

BUILDING 8 - 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@vcaint.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

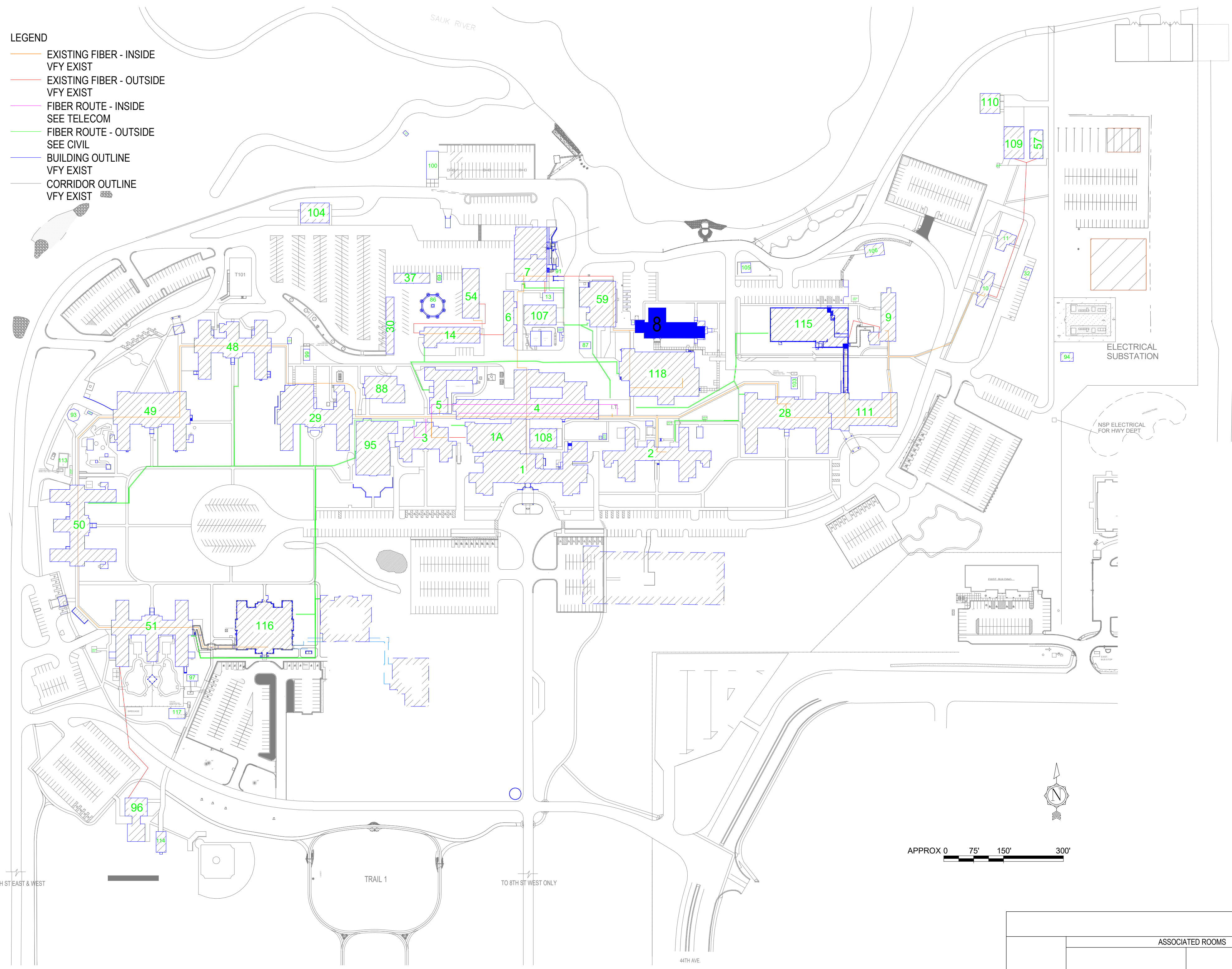
TELECOMMUNICATIONS ENGINEER:
NAME: SPECIALIZED ENGINEERING SOLUTIONS
ADDRESS: 10390 ELLISON CIRCLE
OMAHA, NE 68134

CONTACT: KRIS BURNHAM
PHONE: 402-991-5520

MECHANICAL/PLUMBING/FIRE ENGINEER:
NAME: SPECIALIZED ENGINEERING SOLUTIONS
ADDRESS: 10390 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 8	
SHEET NO.	SHEET TITLE
8-GI000	BUILDING 8 COVER SHEET & SHEET INDEX
8-GI111	FIRST FLOOR - INFECTION CONTROL & PHASING PLAN
8-HA-1A	REFERENCE - BASEMENT FLOOR ASBESTOS RE-SURVEY
8-HA-2A	REFERENCE - FIRST FLOOR ASBESTOS RE-SURVEY
8-HA-3A	REFERENCE - SECOND FLOOR ASBESTOS RE-SURVEY
8-HA-4A	REFERENCE - ATTIC ASBESTOS RE-SURVEY
8-AS100	BASEMENT FLOOR - OVERALL PLAN
8-AS110	FIRST FLOOR PLANS
8-AS120	SECOND FLOOR - OVERALL PLAN
8-TD101	BASEMENT FLOOR PLAN - TELECOM - DEMOLITION
8-TD110	FIRST FLOOR PLAN - TELECOM - DEMOLITION
8-TN101	BASEMENT FLOOR PLAN - TELECOMMUNICATIONS
8-TN110	FIRST FLOOR PLAN - TELECOMMUNICATIONS
8-TN200	FIRST LEVEL FLOOR PLAN - TELECOM - CABLE DISTANCE
8-TN400	ENLARGED PLANS - TELECOMMUNICATIONS
08-E100	FIRST FLOOR DEMOLITION PLAN - ELECTRICAL
08-E200	BASEMENT FLOOR PLAN - ELECTRICAL
08-E201	FIRST FLOOR PLAN - ELECTRICAL
08-E300	ELECTRICAL ENLARGED PLANS
08-E400	ELECTRICAL ONE-LINE DIAGRAMS
08-E500	ELECTRICAL SCHEDULES
08-M101	FIRST FLOOR DEMOLITION - MECHANICAL
08-M201	FIRST FLOOR REMODEL - MECHANICAL
SEE GENERAL SHEETS FOR ADDITIONAL INFORMATION	

ROOM SCHEDULE																	
NO.	NAME	CABING	PATCH/PANEL	FIBER	POWER	BONDING	UPS	DEDICATED COOLING	TEMPERATURE	HUMIDITY	RACK SENSOR	SPACE	AREA	WIDTH (FT)	LENGTH (FT)	HT TO CLC STRUCT	REMARKS
BASEMENT																	
012A	EXIST RM												15 SF	5.2	2.9	9.83	DECOMMISSION EXIST IT/DATA ROOM. SEE TELECOM DRAWINGS. RELOCATE FUNCTION TO ROOM 116
FIRST FLOOR																	
116	TELECOM ROOM	X	X	X				X	X				110 SF	8.7	12.6	11.00	UPDATE EXIST IT/DATA ROOM TO EHRM TELECOM ROOM STANDARDS. SEE TELECOM DRAWINGS

HAZARDOUS MATERIAL SCHEDULE				
LEVEL	ROOM NO.	ROOM NAME	QUESTIONABLE HAZARDOUS ELEMENT	POSSIBLE ABATEMENT ACTION
BASEMENT	012A	EXIST RM	ASBESTOS CONTAINING MASTIC UNDER FLOOR TILE. SEE 8-HA-1A	NONE. ACM TO REMAIN UNDISTURBED
FIRST FLOOR	116	TELECOM ROOM	NONE. SEE 8-HA-2A	NONE. ABATEMENT COMPLETE UNDER SEPARATE CONTRACT
HAZARDOUS MATERIALS MAY BE ENCOUNTERED THROUGHOUT THE DISTRIBUTION ROUTING THROUGHOUT 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	012A	EXIST RM	RECREATION	TYPE B	GROUP 1	CLASS II	EAST	OCCUPIED CONSTRUCTION	DAY
FIRST FLOOR	116	TELECOM ROOM	RECREATION	TYPE C	GROUP 1	CLASS II	EAST	ZONE8	DAY
SEE GENERAL NOTES SHEET FOR CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA) DESCRIPTIONS. TYPE, GROUP AND CLASS SELECTED TO BEST OF DESIGN TEAMS 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	012A	EXIST RM		
FIRST FLOOR	116	TELECOM ROOM		MWP INT: EAST
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			FRAME INFORMATION			FRAME GROUP	FRAME LABEL (MM)	COMMENTS
	FROM ROOM NAME	TO ROOM NAME	NUMBER	WIDTH	HEIGHT	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING			

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NO.	REVISION	DATE

CONSULTANT

SPECIALIZED ENGINEERING SOLUTIONS
10360 Ellison Circle
Omaha, NE 68134
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www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

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 Ciesak*
Typed or Printed Name: Tom Ciesak
Date: 03/30/2022 License Number: MN# 18157

APPROVED: PROJECT DIRECTOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: O&M MANAGER	DATE:	APPROVED: DIRECTOR/FM	DATE:
APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: MO MANAGER	DATE:	APPROVED: ASSOCIATE DIRECTOR	DATE:
APPROVED: O&M COORDINATOR	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: NURSE EXECUTIVE	DATE:
APPROVED: INFECTION CONTROL NURSE	DATE:	APPROVED: O&M MANAGER	DATE:	APPROVED: ASSISTANT CHIEF ENGINEER	DATE:	APPROVED: CHIEF OF STAFF	DATE:

DRAWING TITLE
BUILDING 8 COVER SHEET & SHEET INDEX

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOTTING
PLOT SCALE: 656-21-235

BUILDING NO.
8

CHECKED BY
EM

DRAWN BY
EM

SHOWN BY
8-GI000

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

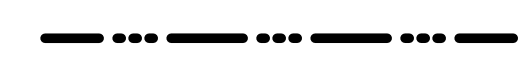
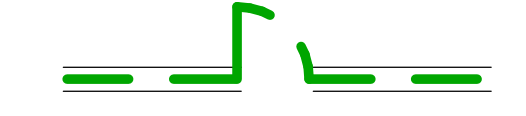

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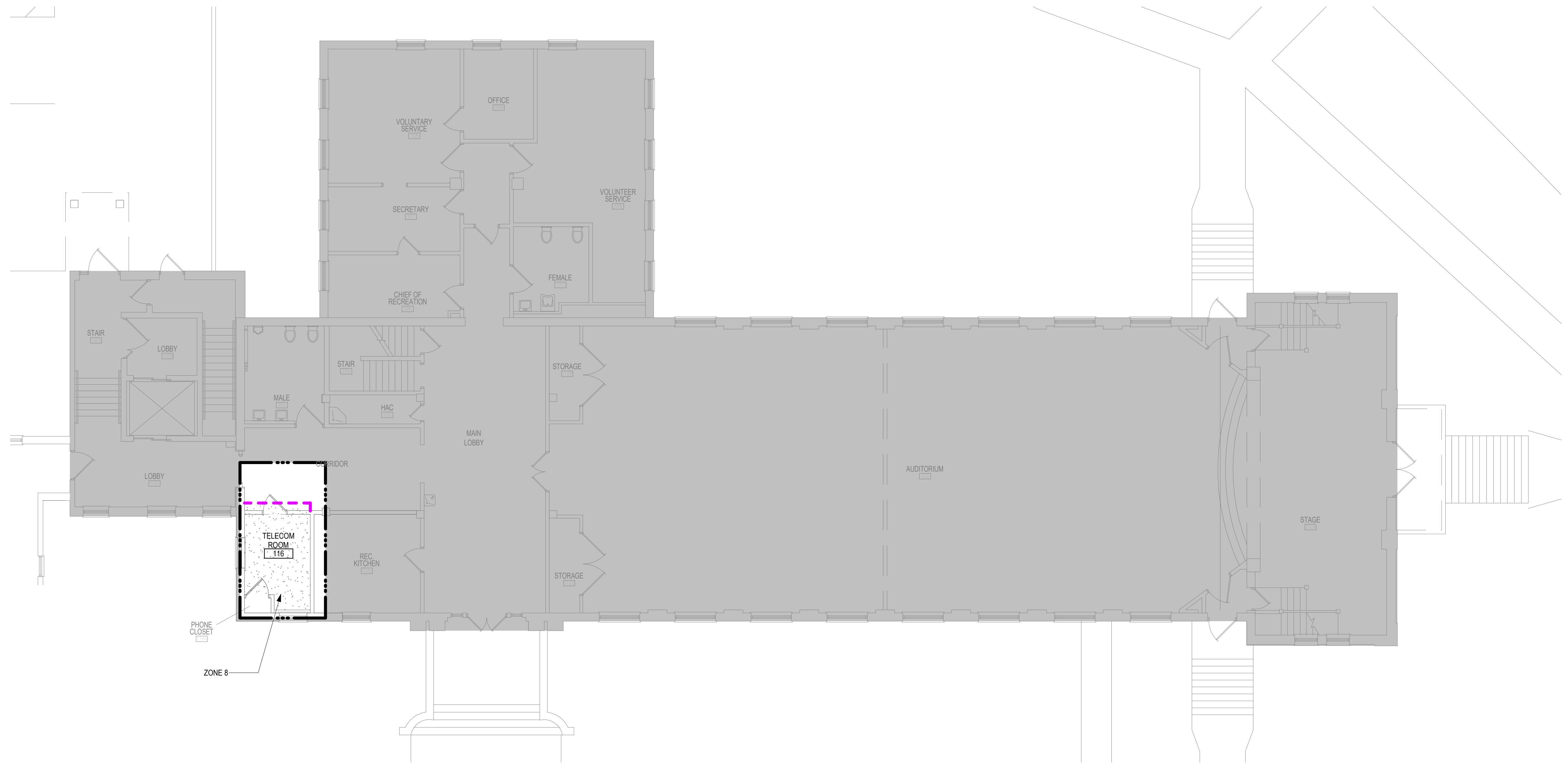
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U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

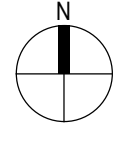
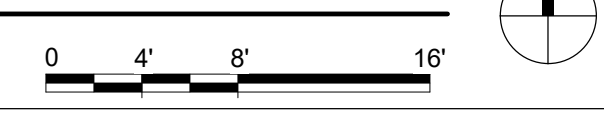
ROOM ICRA SCHEDULE						
LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS
BASEMENT	012A	EXIST RM	RECREATION	TYPE B	GROUP 1	CLASS II
FIRST FLOOR	116	TELECOM ROOM	RECREATION	TYPE C	GROUP 1	CLASS II

SEE GENERAL NOTES SHEET FOR CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA) DESCRIPTIONS. TYPE, GROUP AND CLASS SELECTED TO BEST OF DESIGN TEAMS KNOWLEDGE. FINAL DETERMINATION BY THE VA WILL BE MADE AT A LATER DATE.

INFECTION CONTROL RISK ASSESSMENT (ICRA) LEGEND	
	LIMITS OF CONSTRUCTION
	1 HOUR FIRE RATED ICRA / CONSTRUCTION BARRIER LOCATION AND DOOR, WHERE SHOWN
	TEMPORARY NON-RATED (PLASTIC SHEETING) CONSTRUCTION BARRIER LOCATION, WHERE APPROVED BY THE VA FOR USE IN RISK TYPE B. UPGRADE TO 1 HOUR RATED PARTITION WHEN DIRECTED BY THE VA



1 FIRST FLOOR - CONST BARRIER PLAN
1/8" = 1'-0"



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No.	REVISION	DATE

CONSULTANT



SPECIALIZED ENGINEERING SOLUTIONS

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Omaha, NE 68134
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Name: *Tom Ciesak*
Typed or Printed Name: Tom Ciesak
Date: 03/30/2022 License Number: MN# 18157

DRAWING TITLE
FIRST FLOOR - INFECTION CONTROL & PHASING PLAN

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

BUILDING No.
8

CHECKED BY
EM

DRAWN BY
BMW

DESIGNED BY
8-GI111

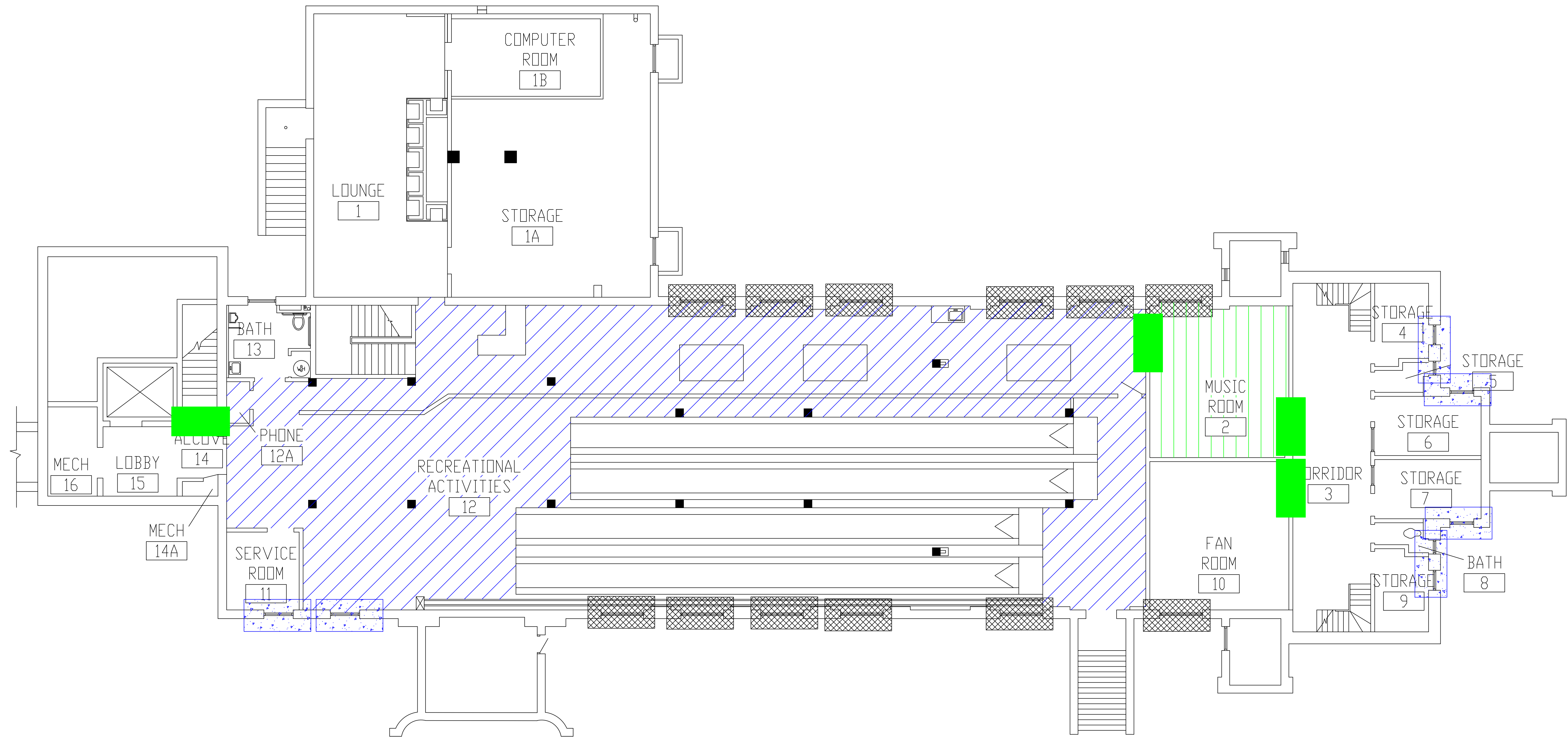
LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF




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



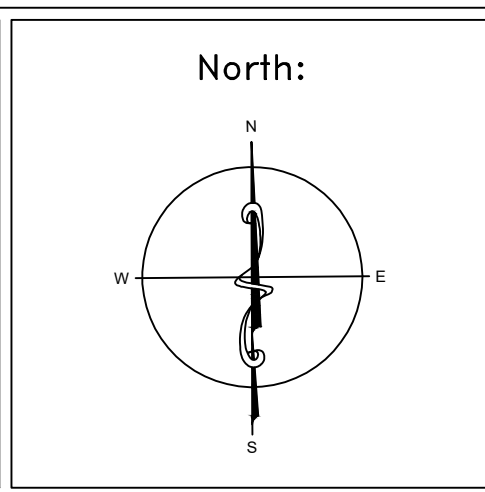
BUILDING #8 - BASEMENT FLOOR PLAN

LEGEND

- ASBESTOS-CONTAINING FIRE DOOR
- ASBESTOS-CONTAINING 9"X9" FLOOR TILE AND MASTIC
- ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- ASBESTOS-CONTAINING WINDOW CAULK AND GLAZING
- ASBESTOS-CONTAINING WINDOW CAULK

Revisions	Dates

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



Drawing Title ARCHITECTURAL PLAN BUILDING 8 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 008	Checked BLB	Drawn AFS
Location ST. CLOUD, MINNESOTA		

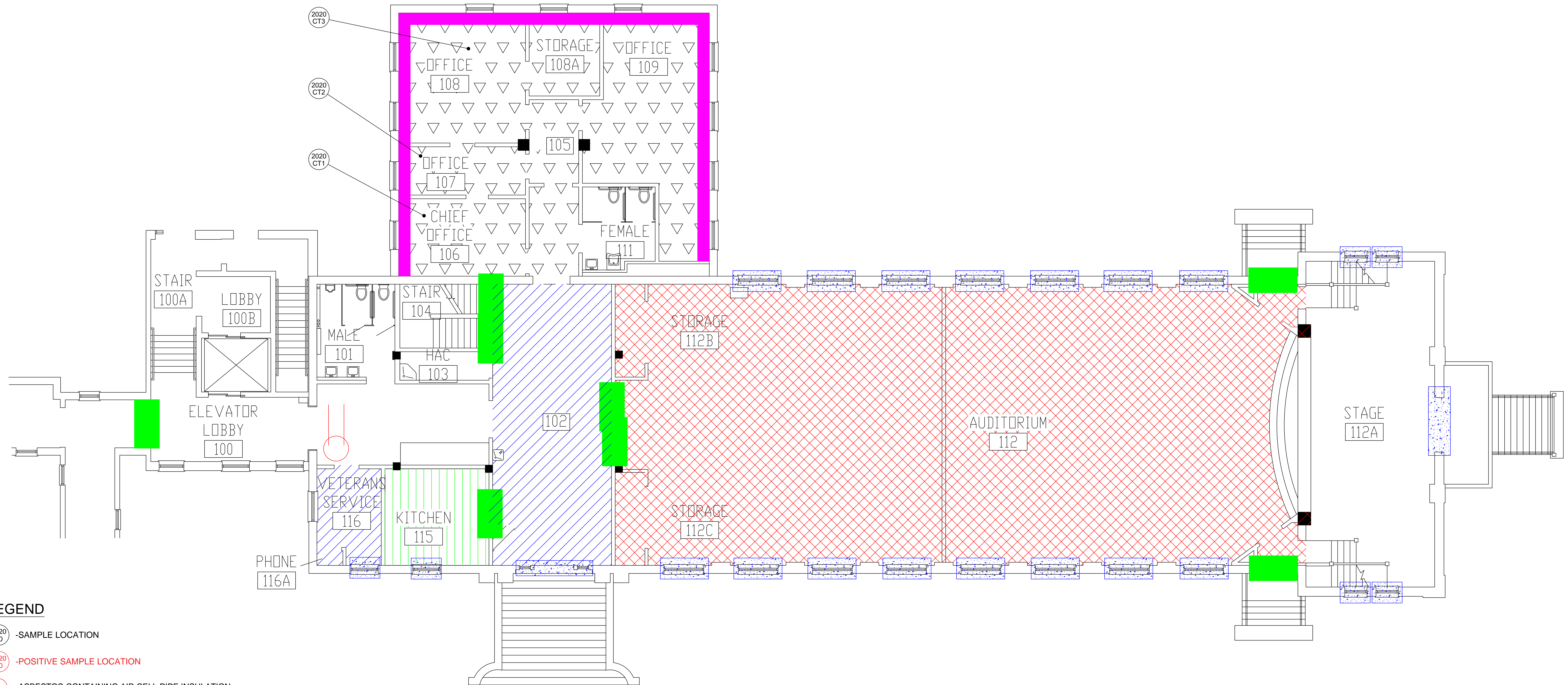
Date NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 19 of 71



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

A
 B
 C
 D
 E
 F

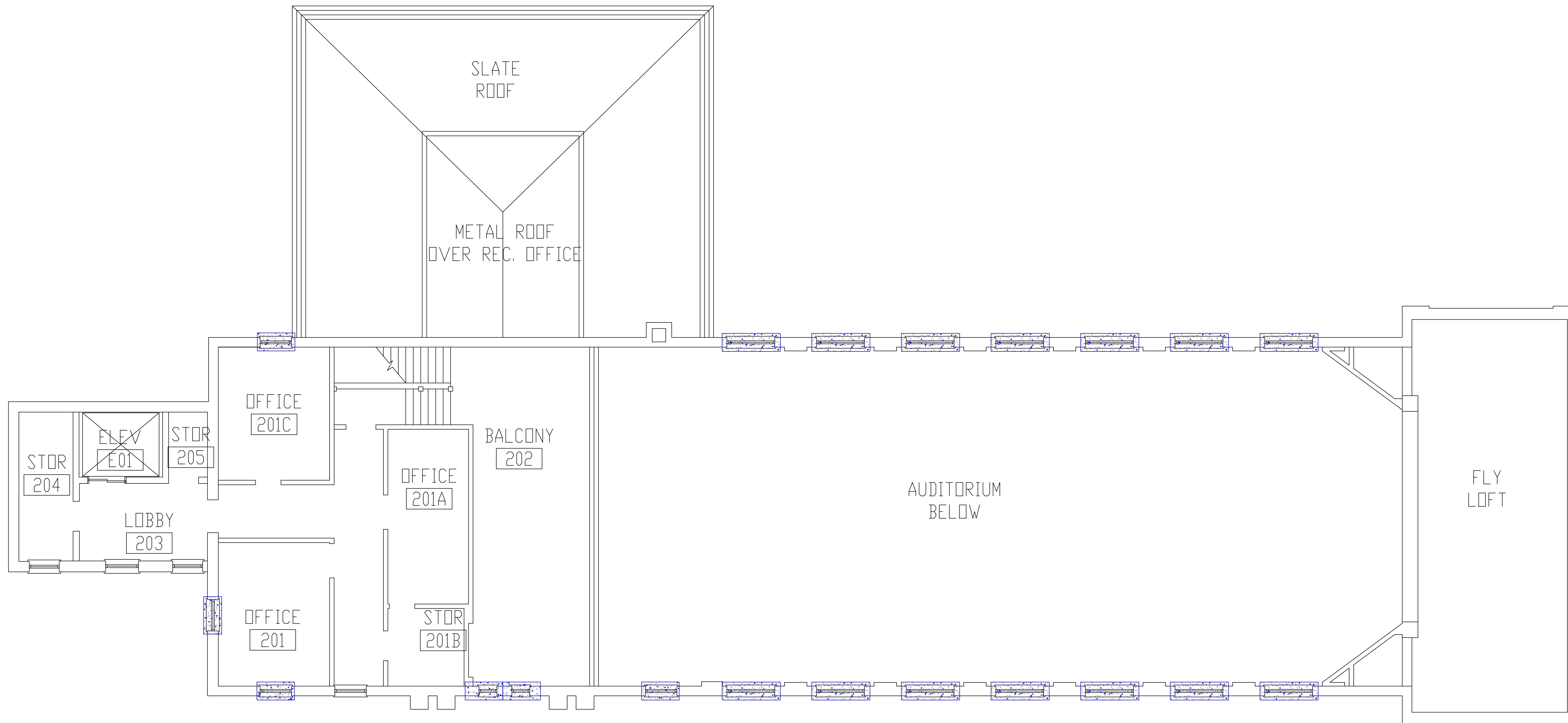
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 one inch = one foot
 three-quarters inch = one foot
 one-half inch = one foot
 three-eighths inch = one foot
 one-quarter inch = one foot
 one-eighth inch = one foot



- LEGEND**
- SAMPLE LOCATION
 - POSITIVE SAMPLE LOCATION
 - ASBESTOS-CONTAINING AIR CELL PIPE INSULATION
 - ASBESTOS-CONTAINING FIRE DOOR
 - ASBESTOS-CONTAINING 9"X9" FLOOR TILE AND MASTIC
 - ASBESTOS-CONTAINING 12"X12" FLOOR TILE AND MASTIC
 - ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
 - ASBESTOS-CONTAINING MASTIC UNDER CARPET
 - ASBESTOS-CONTAINING BLACK WALL MASTIC
 - ASBESTOS-CONTAINING WINDOW GLAZING

BUILDING #8 - FIRST FLOOR PLAN

<p>Revisions</p>	<p>Dates</p>	<p>ENVIRONMENTAL CONSULTANT: CASTLE HILL ASSOCIATES, LLC. 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212</p>		<p>Professional Seal:</p>	<p>North:</p>	<p>Drawing Title</p> <p style="text-align: center;">ARCHITECTURAL PLAN BUILDING 8 Scale: 1/8" = 1'-0"</p> <p>Approved: Division Chief</p> <p>Approved: Service Director</p>	<p>Project Title</p> <p style="text-align: center;">FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</p> <p>Building Number: 008</p> <p>Location: ST. CLOUD, MINNESOTA</p>	<p>Date</p> <p style="text-align: center;">NOVEMBER 2019</p> <p>Project No. 36C26319P1003</p> <p>Drawing No. 2A</p> <p style="text-align: right; font-size: small;">Sheet 20 of 71</p>		
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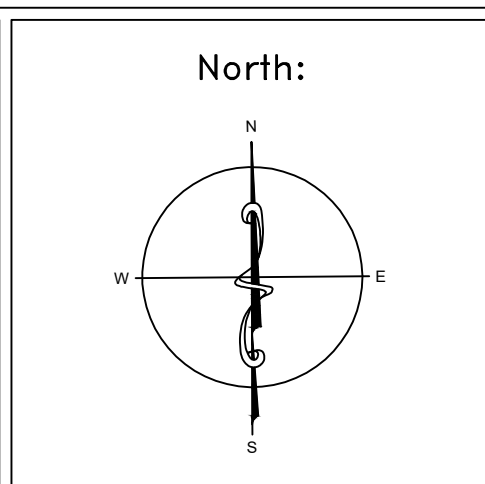
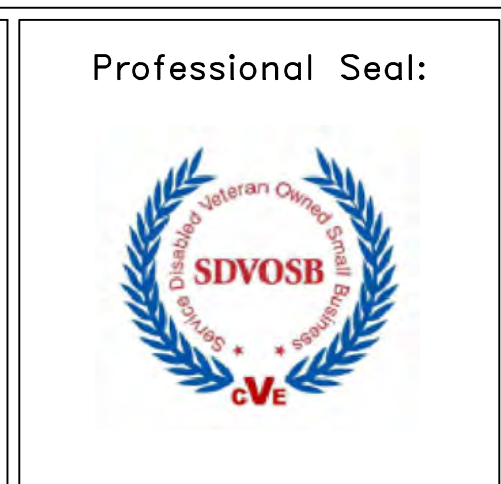
BUILDING #8 - SECOND FLOOR PLAN

LEGEND

 -ASBESTOS-CONTAINING WINDOW CAULK AND GLAZING

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
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 218-A MECHANIC STREET,
 WATERVILLE, OHIO 43566
 Tel: (567) 952-0212

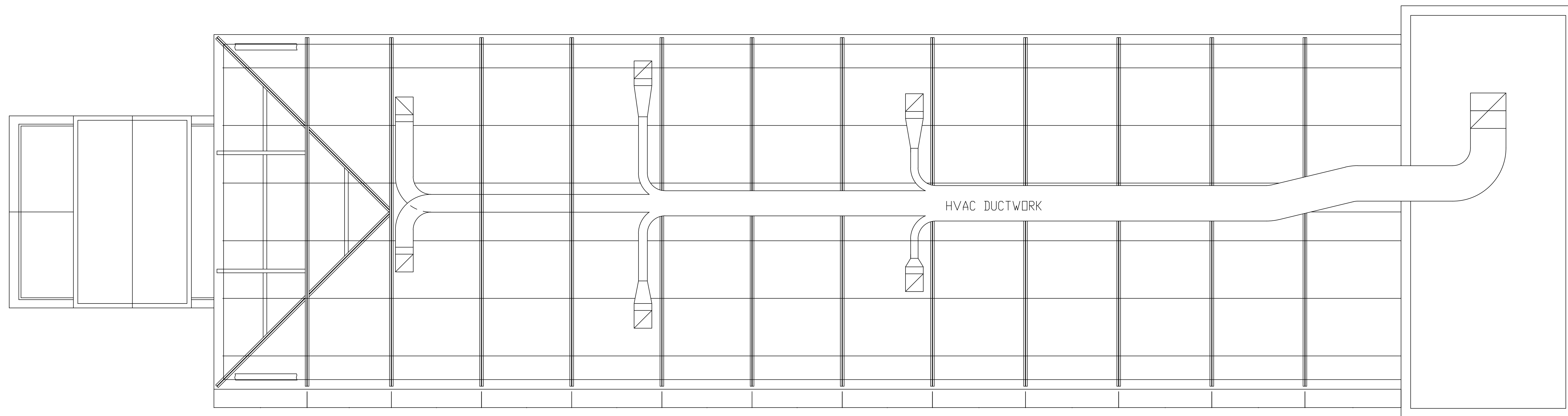


Drawing Title	ARCHITECTURAL PLAN BUILDING 8 Scale: 1/8" = 1'-0"	
Approved : Division Chief		
Approved : Service Director		

Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	008	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	3A
Sheet	21 of 71





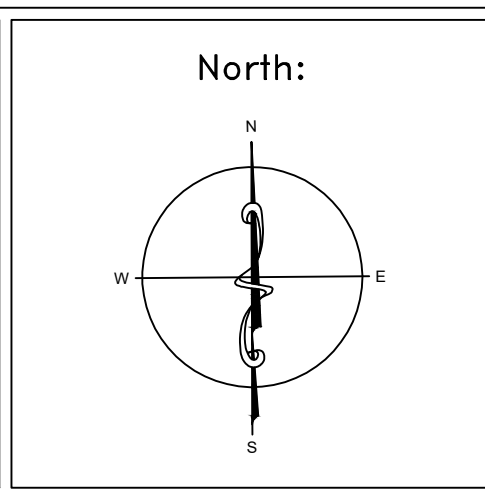
BUILDING #8 - ATTIC FLOOR PLAN

NO ACM

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

Revisions	Dates

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

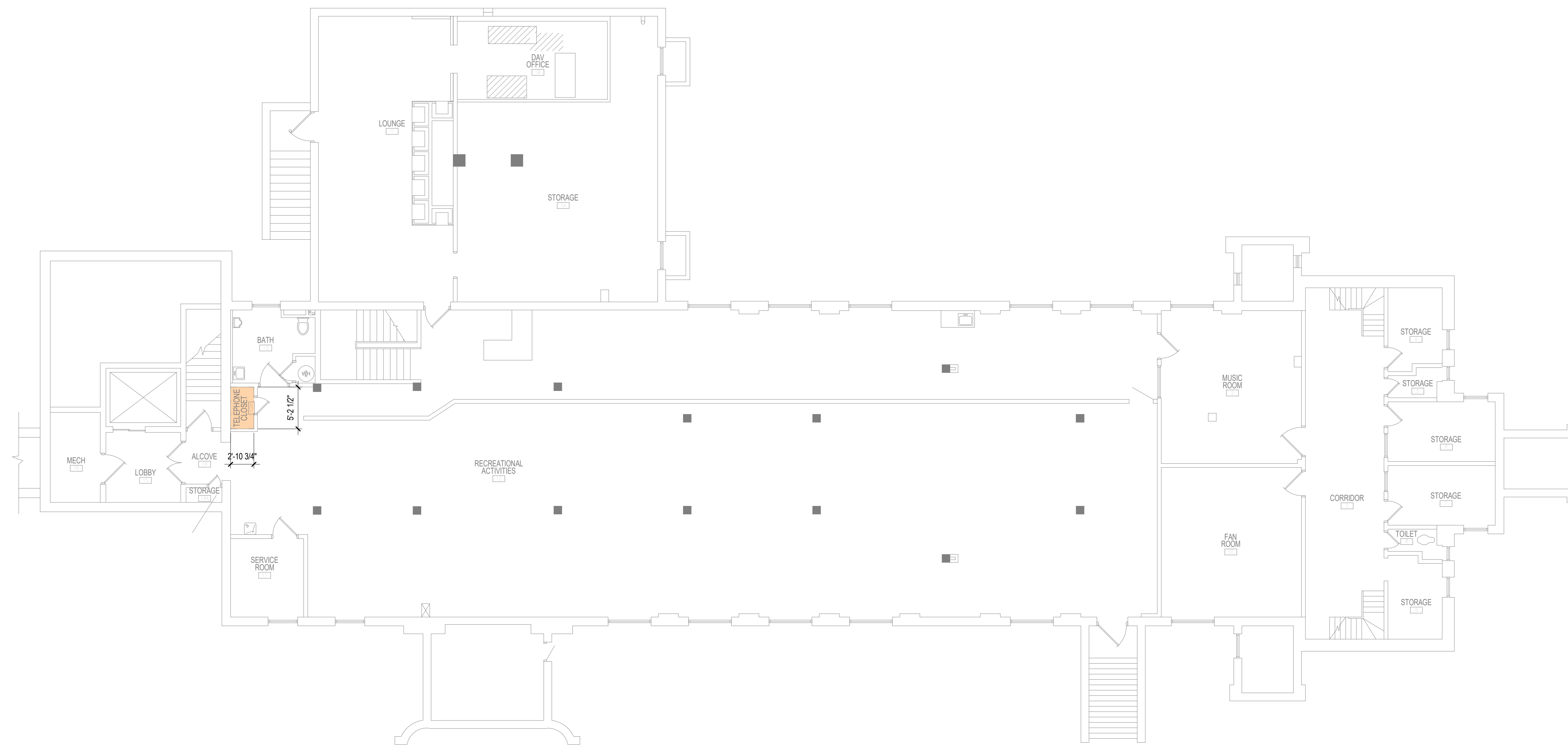
Project Title FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number 008	Checked BLB	Drawn AFS
Location ST. CLOUD, MINNESOTA		

Date NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 4A
Sheet 22 of 71

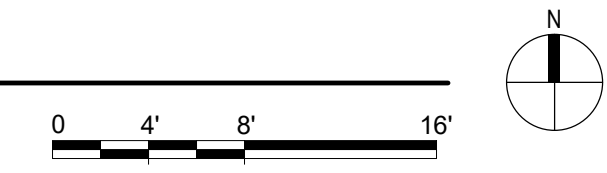


SHEET NOTES

1. SEE GENERAL NOTES AND CAMPUS DRAWINGS FOR GENERAL INFORMATION, LIFE SAFETY, ICRA, AND PHASING
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.
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.
4. SEE CIVIL, STRUCTURAL, TELECOM, ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION AND CONSTRUCTION REQUIREMENTS.
5. PORTABLE FIRE EXTINGUISHERS (CO2 OR HALOGENATED TYPE AS DETERMINED BY VA) WITH WALL MOUNT BRACKET AND CODE REQUIRED SIGNAGE SHALL BE PROVIDED BY THE CONTRACTOR WITHIN TELECOM ROOMS.



1 BASEMENT FLOOR - OVERALL PLAN
1/8" = 1'-0"



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No.	REVISION	DATE

CONSULTANT

SPECIALIZED ENGINEERING SOLUTIONS
10360 Illinois Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

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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 Cieslak*
Typed or Printed Name: Tom Cieslak
Date: 03/30/2022 License Number: MN# 18157

DRAWING TITLE
BASEMENT FLOOR - OVERALL PLAN

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

BUILDING No.
8

CHECKED BY
EM

DRAWN BY
EM

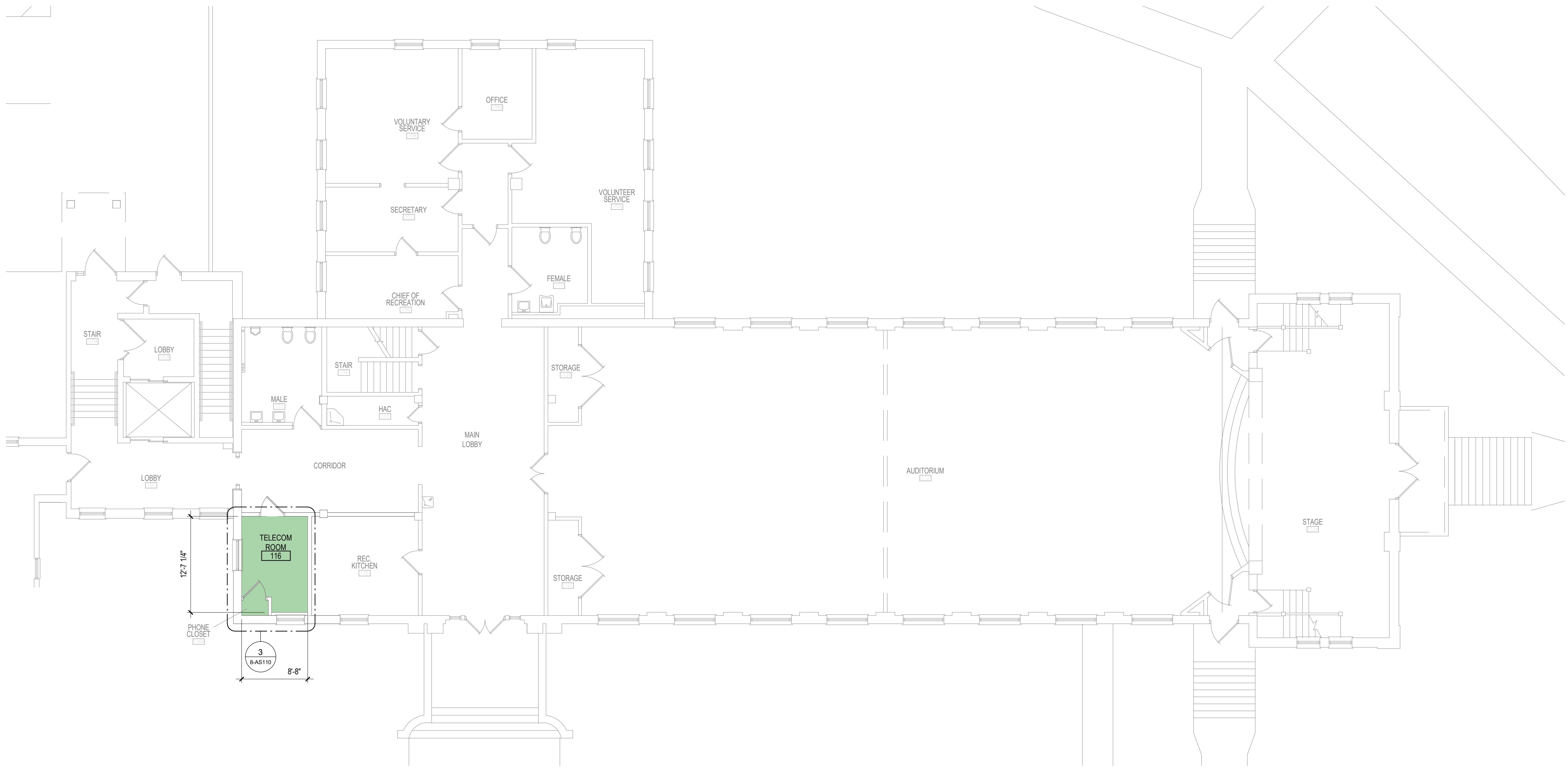
DRAWING NO.
8-AS100

LOCATION
VA MEDICAL CENTER ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF

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



1 FIRST FLOOR - OVERALL PLAN
1/8" = 1'-0"
0 4 8 16'

DEMOLITION PLAN KEYED NOTES

DE1 PREPARE WALL FOR PLYWOOD BACKBOARD INSTALLATION AND EHRM REQUIREMENTS. SEE FLOOR PLAN AND TELECOM DRAWINGS

DE23 PREPARE EXISTING PARTITION FOR LEAK PREVENTION BARRIER. SEE FLOOR PLAN AND SHEET AS601

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

FLOOR PLAN KEYED NOTES

FL1 ALL FOUR PERIMETER WALL PARTITIONS APPLY 4" BY 8" AC GRADE 3/4" 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.

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.

FL20 TELECOM EQUIPMENT. SEE TELECOM DRAWINGS.

FL22 LEAK PREVENTION BARRIER WATERPROOFING DETAIL AT EXISTING PARTITION. SEE AS601.

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

REFLECTED CEILING PLAN KEYED NOTES

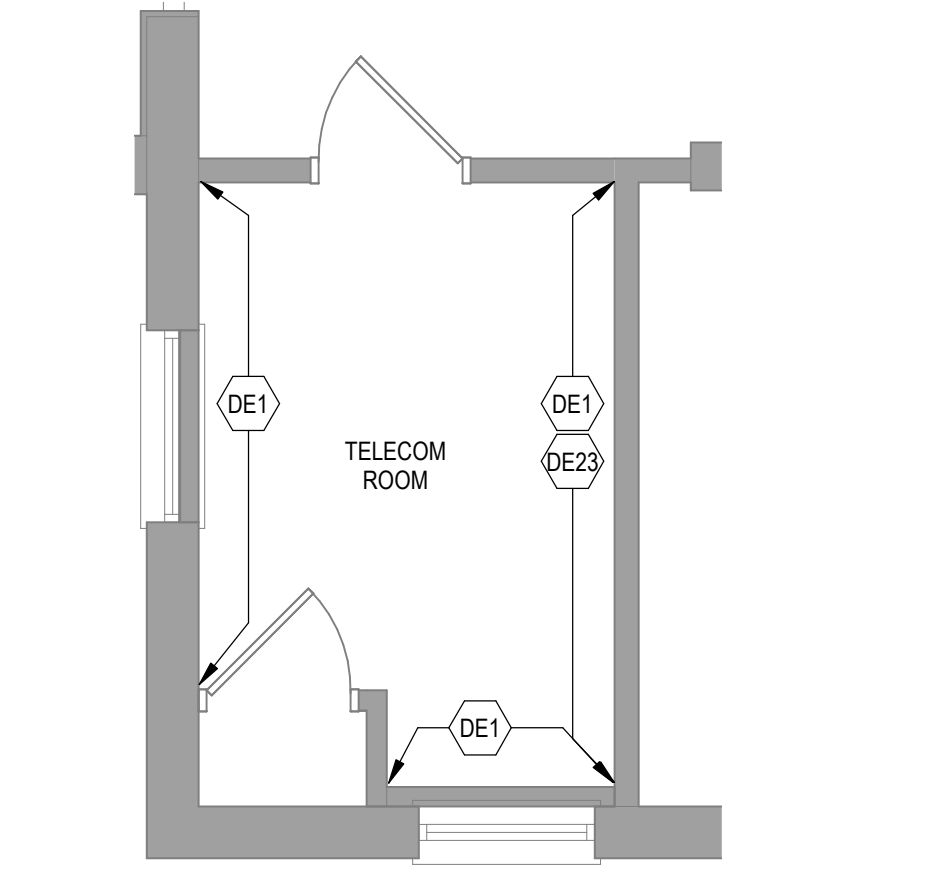
RC1 LED LIGHTING. SEE ELECTRICAL. IN FRONT OF AND BEHIND CABINET ROWS PROVIDE 500 LUMENS IN HORIZONTAL AND 200 LUMENS IN THE VERTICAL AT 3 FT AFF. OPERATED BY MOTION SENSOR PER CABINET ROW OR SECTION

RC2 OPEN TO STRUCTURAL FLOOR ABOVE

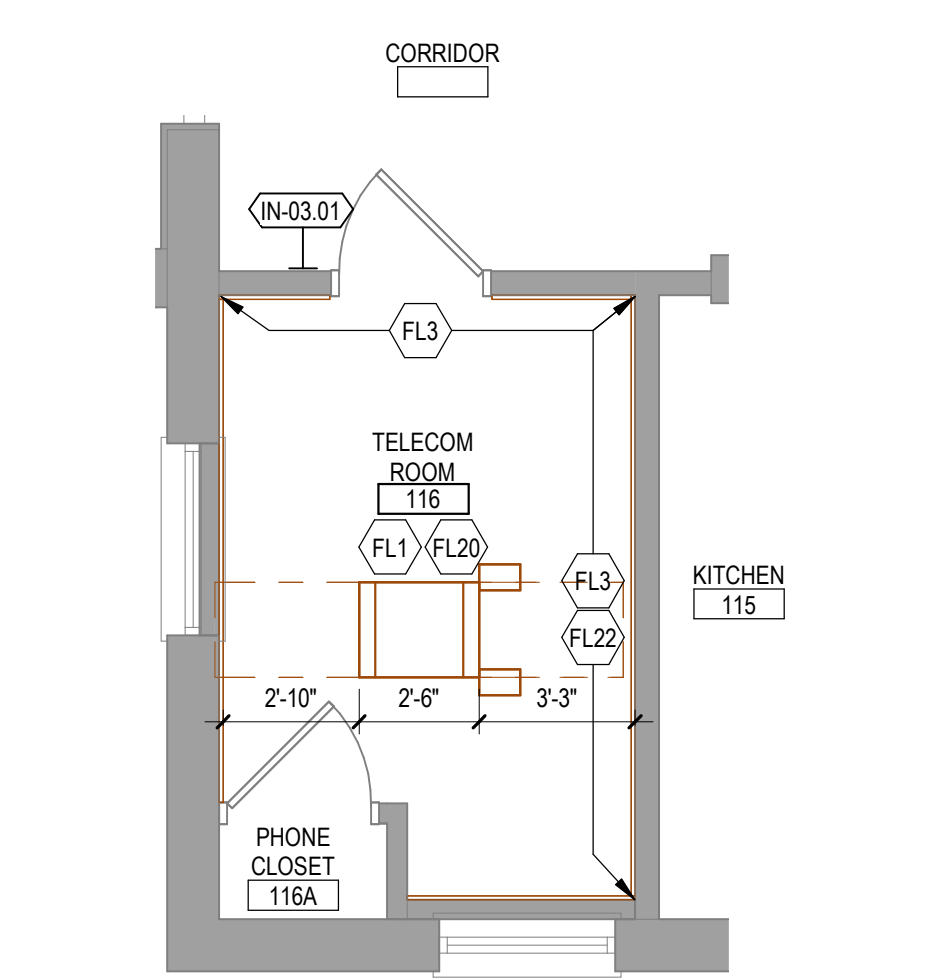
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SHEET NOTES

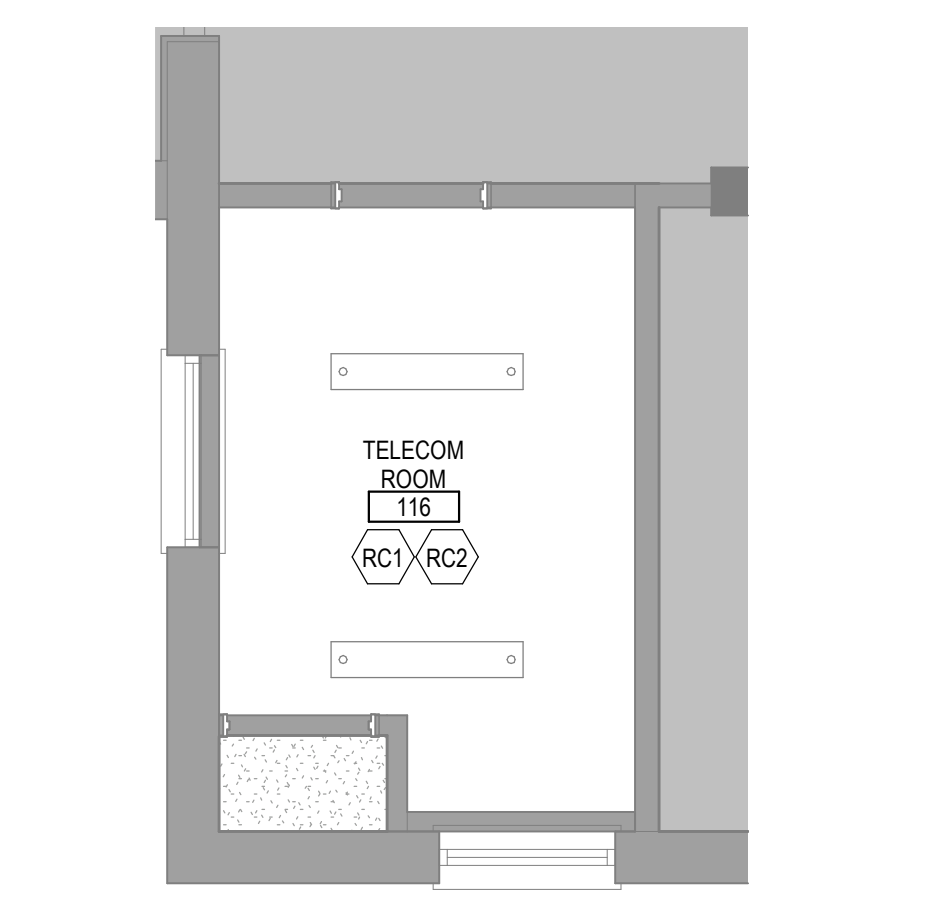
- SEE GENERAL NOTES AND CAMPUS DRAWINGS FOR GENERAL INFORMATION, LIFE SAFETY, ICRA, AND PHASING
- ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO DEMOLITION OR CONSTRUCTION. EXISTING CONDITIONS THAT DIFFER FROM THOSE SHOWN MUST BE BROUGHT TO THE ATTENTION OF THE C.O.R. TO INFORM THE ARCHITECTS AND ENGINEERS.
- 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.
- SEE CIVIL, STRUCTURAL, TELECOM, ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION AND CONSTRUCTION REQUIREMENTS.
- PORTABLE FIRE EXTINGUISHERS (CO2 OR HALOGENATED TYPE AS DETERMINED BY VA) WITH WALL MOUNT BRACKET AND CODE REQUIRED SIGNAGE SHALL BE PROVIDED BY THE CONTRACTOR WITHIN TELECOM ROOMS.



2 PARTIAL DEMOLITION PLAN
1/4" = 1'-0"
0 4 8 16'



3 ENLARGED FLOOR PLAN
1/4" = 1'-0"
0 2 4 8'



4 REFLECTED CEILING PLAN
1/4" = 1'-0"
0 4 8 16'

No.	REVISION	DATE

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Phone: 402.991.5530
www.specializedeng.com

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STAMP

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

Name: *Tom Cieslak*

Typed or Printed Name: Tom Cieslak
Date: 03/30/2022 License Number: MN# 18157

DRAWING TITLE

FIRST FLOOR PLANS

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOT SCALE: 1/8" = 1'-0"
PROJECT NO: 656-21-235
DRAWING NO: 8-AS110

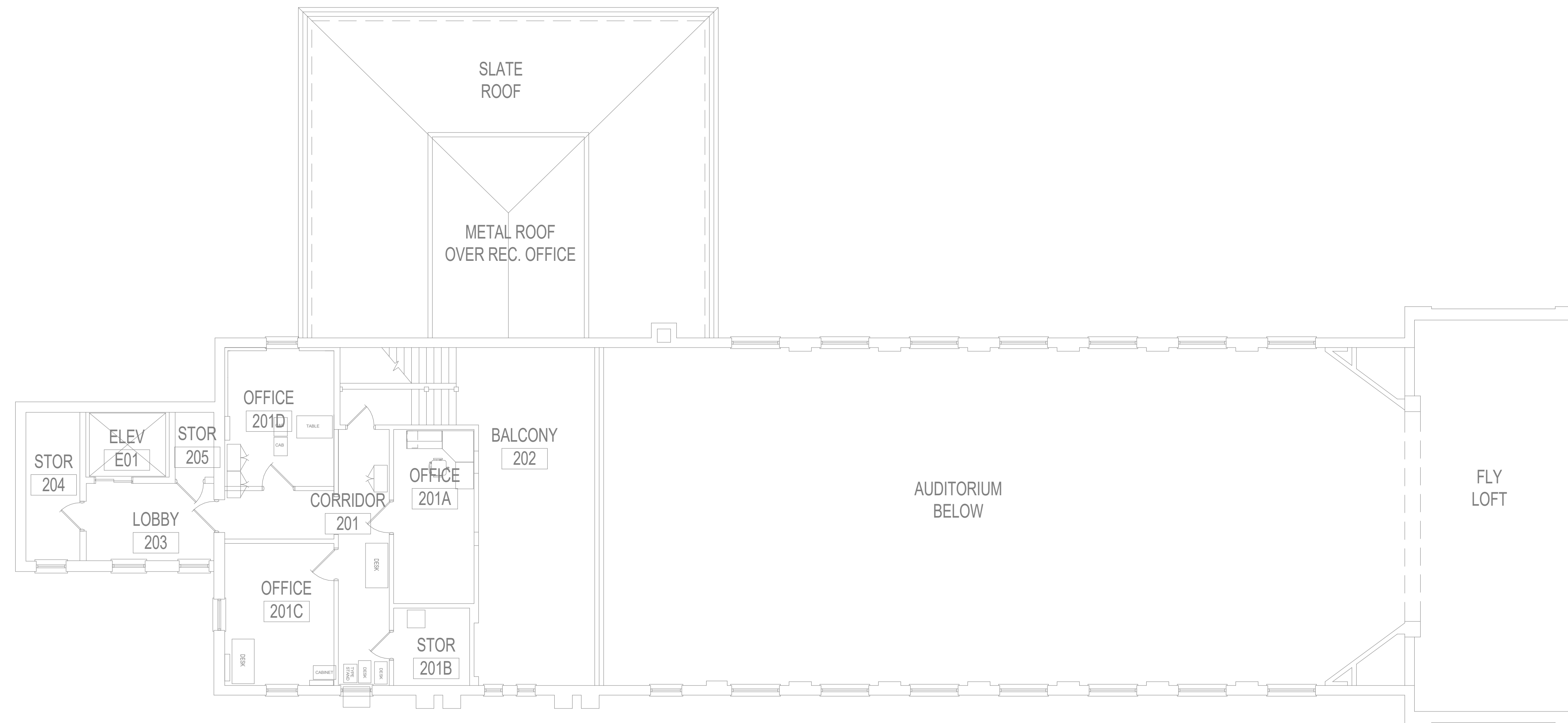
BUILDING No: 8
CHECKED BY: EM
DRAWN BY: EM
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED

VA

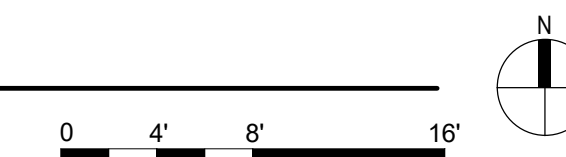
U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

SHEET NOTES

1. SEE GENERAL NOTES AND CAMPUS DRAWINGS FOR GENERAL INFORMATION, LIFE SAFETY, ICRA, AND PHASING
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.
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.
4. SEE CIVIL, STRUCTURAL, TELECOM, ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION AND CONSTRUCTION REQUIREMENTS.
5. PORTABLE FIRE EXTINGUISHERS (CO2 OR HALOGENATED TYPE AS DETERMINED BY VA) WITH WALL MOUNT BRACKET AND CODE REQUIRED SIGNAGE SHALL BE PROVIDED BY THE CONTRACTOR WITHIN TELECOM ROOMS.



1 SECOND FLOOR - OVERALL PLAN
1/8" = 1'-0"



4/22/2022 7:34:59 AM

C:\Users\Public\Documents\Revit Projects\16305-8-AS1 - E\A\skort.rvt

No.	REVISION	DATE

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Name: *Tom Ciesak*

Typed or Printed Name: Tom Ciesak
Date: 03/30/2022 License Number: MN# 18157

DRAWING TITLE

SECOND FLOOR - OVERALL PLAN

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

BUILDING No.
8

CHECKED BY
EM

DRAWN BY
EM

DRAWING NO.
8-AS120

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

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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. RETAIN DATA CABLE EXISTING DATA CABLE THROUGHOUT THIS AREA IS SUFFICIENT TO REMAIN. NEW CABLING NOT REQUIRED. RETAIN EXISTING CABLING IN SERVICE.
2. DEMO RACK AND DATA CABLES NO LONGER IN USE OUT OF ROOM 12A. ALL PHONE CABLES AND EQUIPMENT TO REMAIN AS IS EXISTING CABLE TRAY, SECURITY CAMERAS, GROUND BUS BARS, AND RACKS FROM DECOMMISSIONED ROOMS ARE TO BE REUSED, WHEN POSSIBLE, IN NEW CONSTRUCTION TRS.

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 012A

EXISTING CABLE COUNT
 DATA (CAT6): 105
 DATA (CAT5e): 0
 DATA (CAT5): 0
 DATA (CAT3): 0

CABLE RELOCATION COUNT

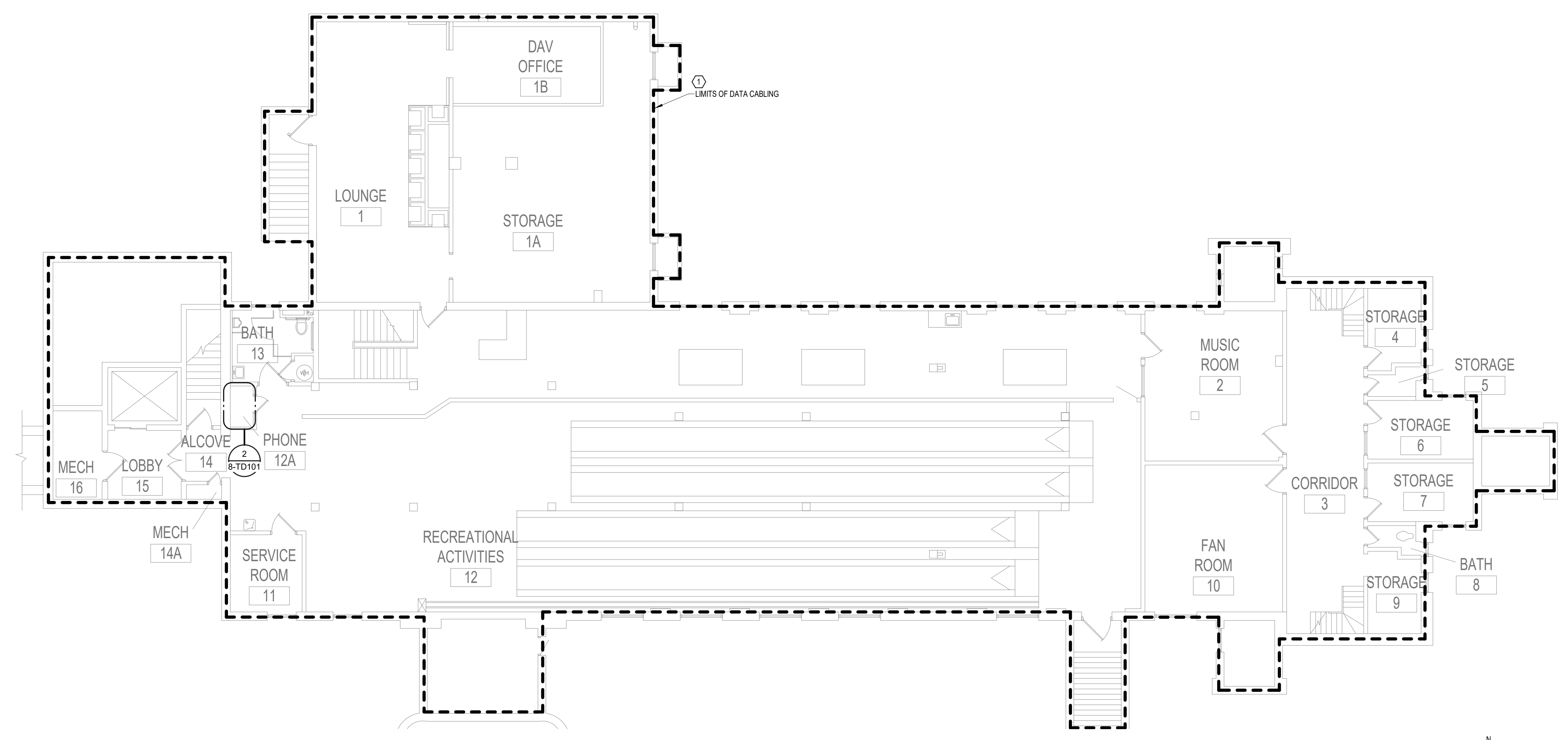
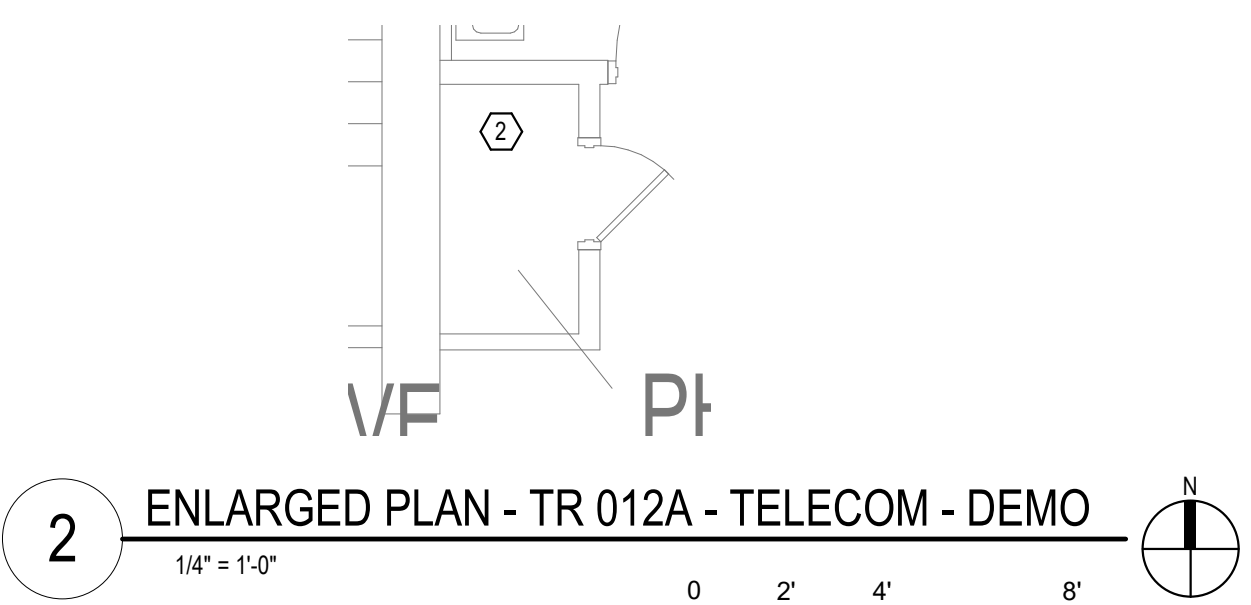
DATA (CAT6): 0
 DATA (CAT5e): 0
 DATA (CAT5): 0
 DATA (CAT3): 0

EXISTING CABLE TO REMAIN

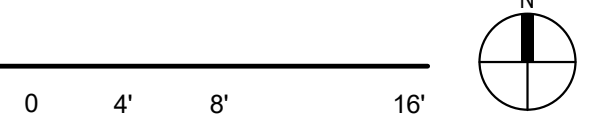
DATA (CAT6): 105
 DATA (CAT5e): 0
 DATA (CAT5): 0
 DATA (CAT3): 0

FINAL CABLE COUNT

DATA (CAT6): 105
 DATA (CAT5e): 0
 DATA (CAT5): 0
 DATA (CAT3): 0



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



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No.	REVISION	DATE

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 Nathan Timm
 BICSI ID # 346555
 Expires 12-31-24
 Nathan M. Timm

DRAWING TITLE

BASEMENT FLOOR PLAN - TELECOM - DEMOLITION

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
 PLOT SCALE
 PROJECT NO: 656-21-235
 DRAWN BY: SSK
 CHECKED BY: KSB
 FULLY SPRINKLERED

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

A

B

C

D

E

F

GENERAL NOTES:

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

SHEET NOTES:

1. RETAIN DATA CABLE EXISTING DATA CABLE THROUGHOUT THIS AREA IS SUFFICIENT TO REMAIN. NEW CABLEING NOT REQUIRED. RETAIN EXISTING CABLEING IN SERVICE.
2. ROOM 116 IS A NEW DATA CLOSET. ITEMS WILL BE ADDED TO THE ROOM TO BRING IT TO THE EHRM STANDARD.

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.

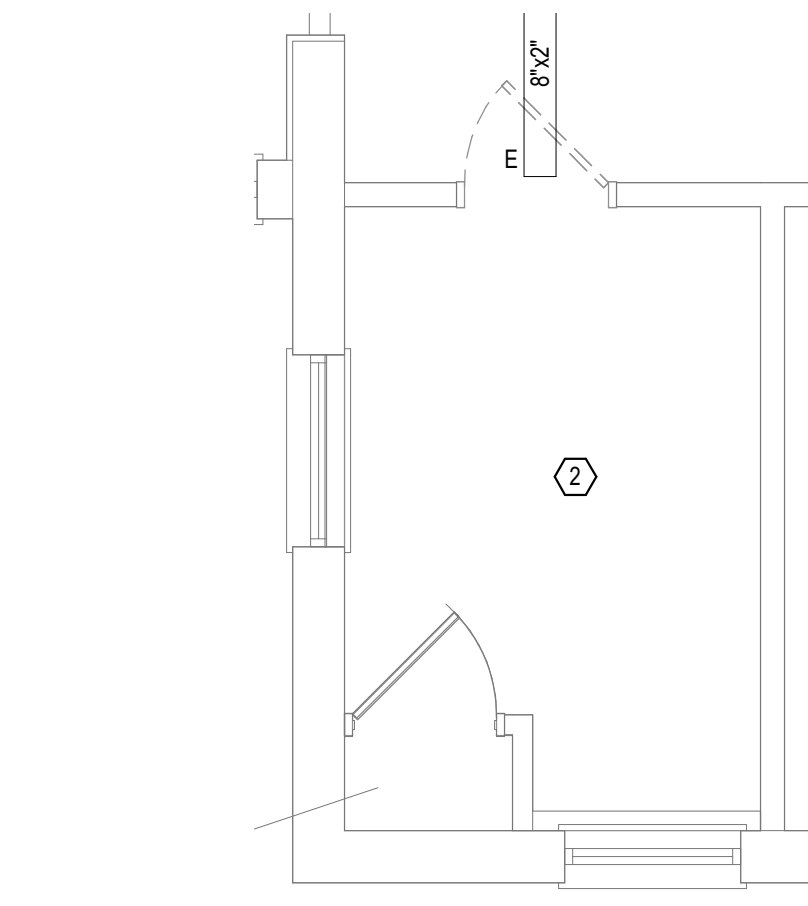
1. ROOM 116

EXISTING CABLE COUNT
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DATA (CAT5e): 0
DATA (CAT5): 0
DATA (CAT3): 0

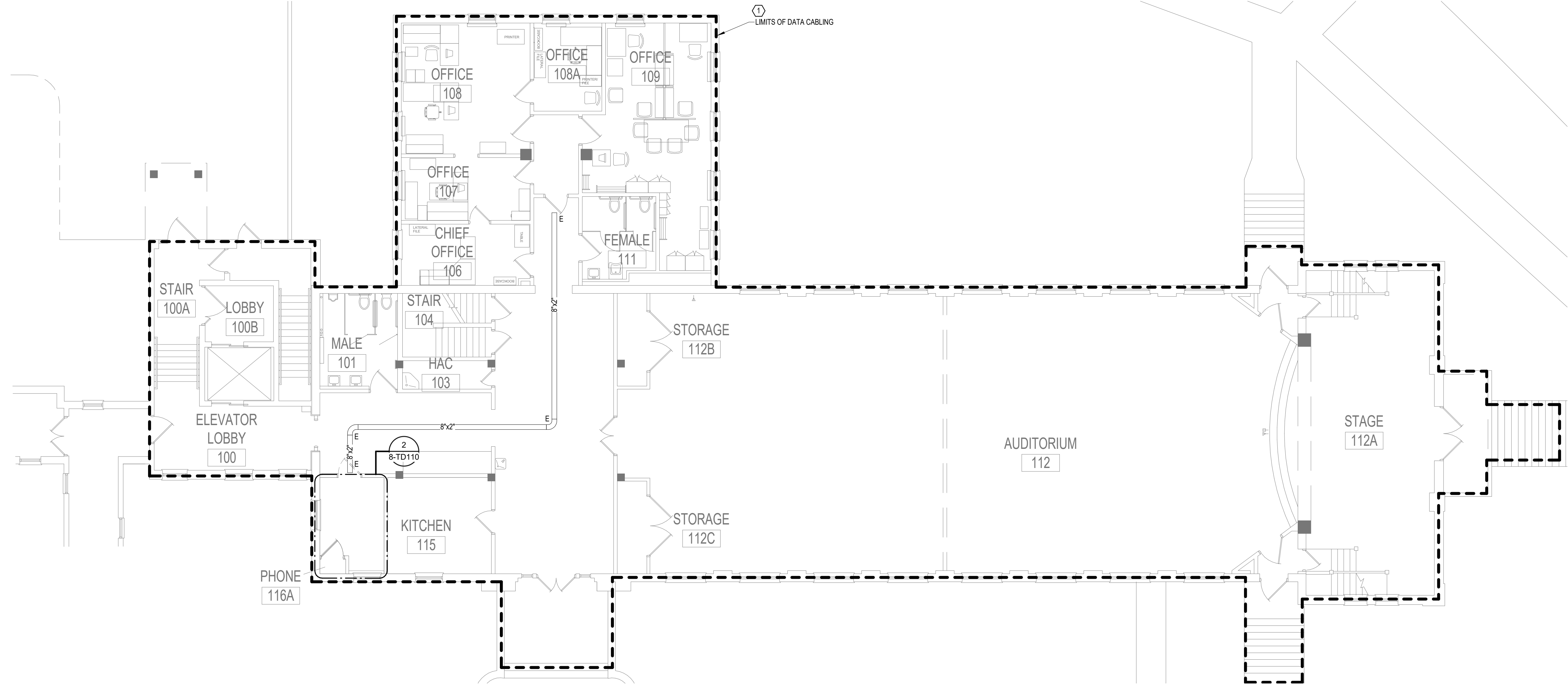
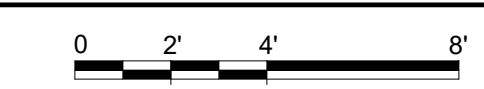
CABLE RELOCATION COUNT
DATA (CAT6): 0
DATA (CAT5e): 0
DATA (CAT5): 0
DATA (CAT3): 0

EXISTING CABLE TO REMAIN
DATA (CAT6): 105
DATA (CAT5e): 0
DATA (CAT5): 0
DATA (CAT3): 0

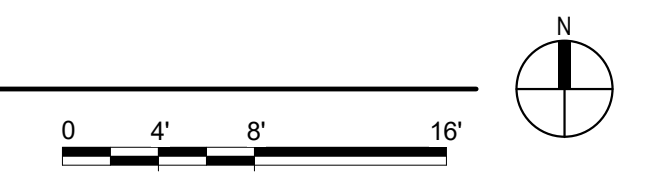
FINAL CABLE COUNT
DATA (CAT6): 105
DATA (CAT5e): 0
DATA (CAT5): 0
DATA (CAT3): 0



2 ENLARGED PLAN - TR 116 - TELECOM - DEMO
1/4" = 1'-0"



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



5/11/2022 3:40:41 PM
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Nathan Timm
BICS1 ID # 346555
Expires 12-31-24
REGISTERED COMMUNICATIONS DISTRIBUTION

DRAWING TITLE
FIRST FLOOR PLAN - TELECOM - DEMOLITION

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

DRAWN BY
SSK

CHECKED BY
KSB

DATE
8-TD110

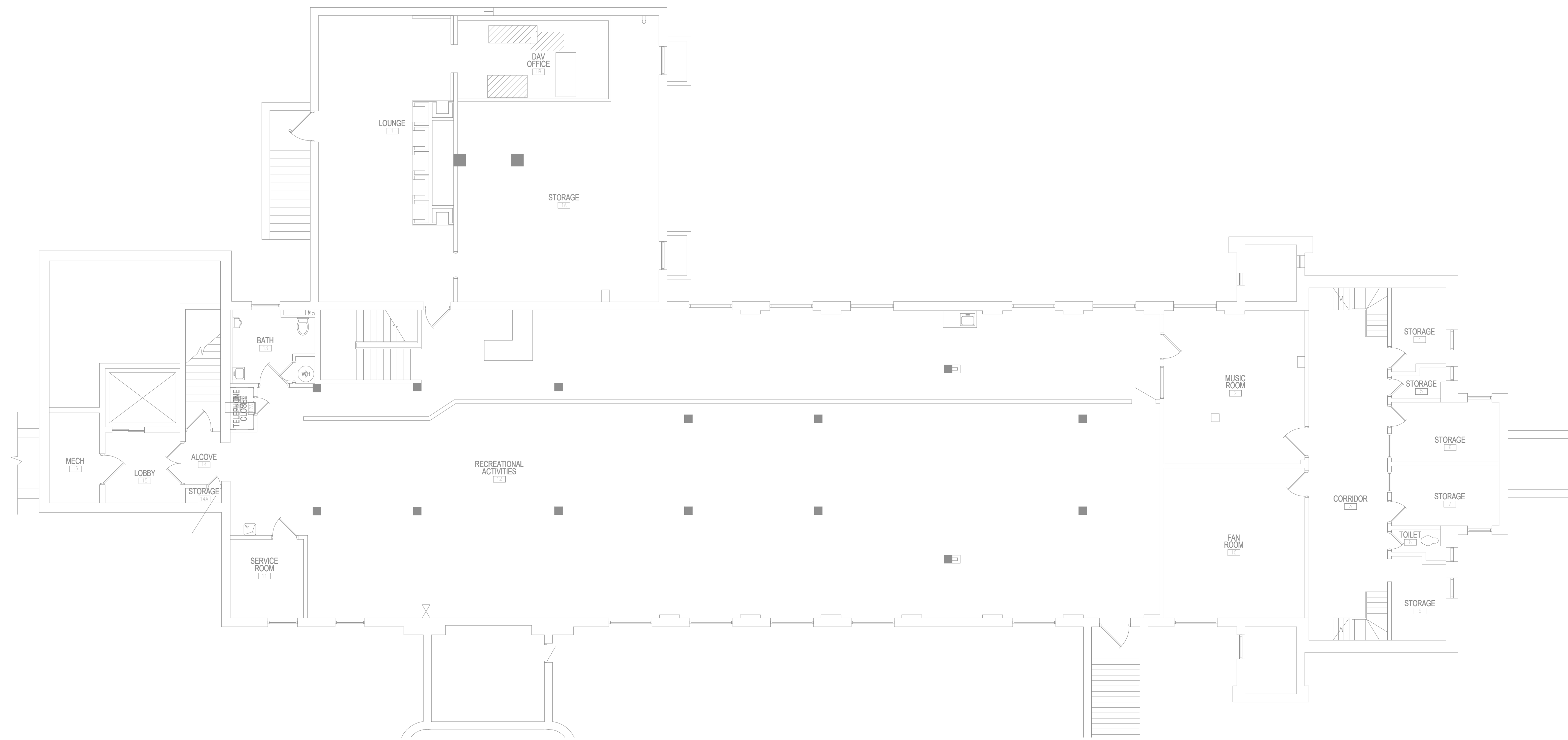
LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF

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.




1 BASEMENT FLOOR PLAN - TELECOMMUNICATIONS
1/8" = 1'-0"



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Nathan Timm
BICS1 ID # 346555
Expires 12-31-24
Nathan M. Timm

DRAWING TITLE
BASEMENT FLOOR PLAN - TELECOMMUNICATIONS

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

DRAWING NO.
8-TN101

BUILDING No.
8



CHECKED BY
KSB

DRAWN BY
SSK

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

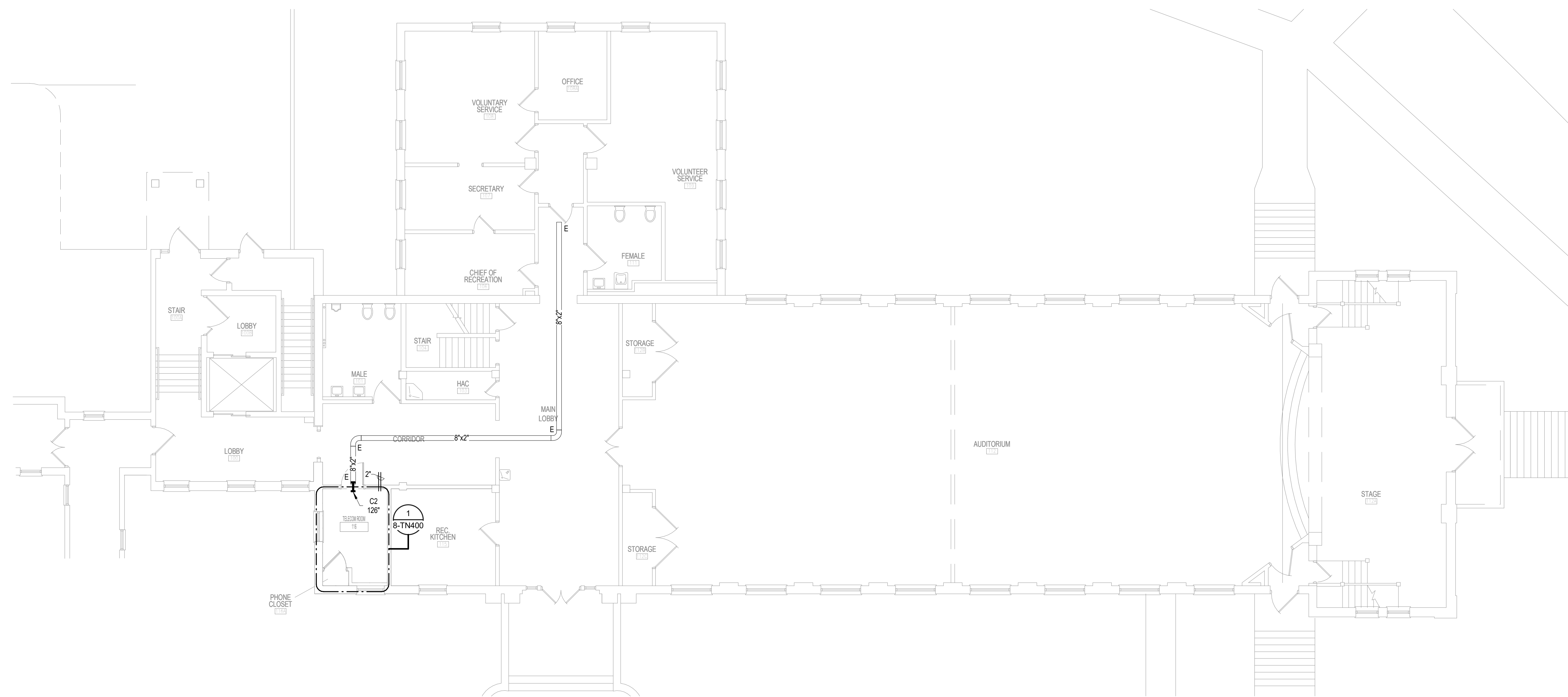
FULLY SPRINKLERED

DWG. OF

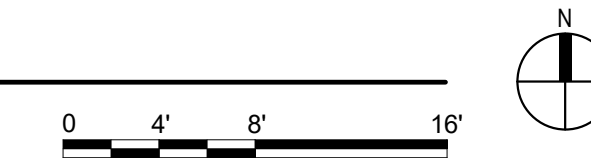



U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

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



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



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Nathan Timm
BICS ID # 346555
Expires 12-31-24
Nathan M. Timm

DRAWING TITLE



FIRST FLOOR PLAN - TELECOMMUNICATIONS

PROJECT FILE

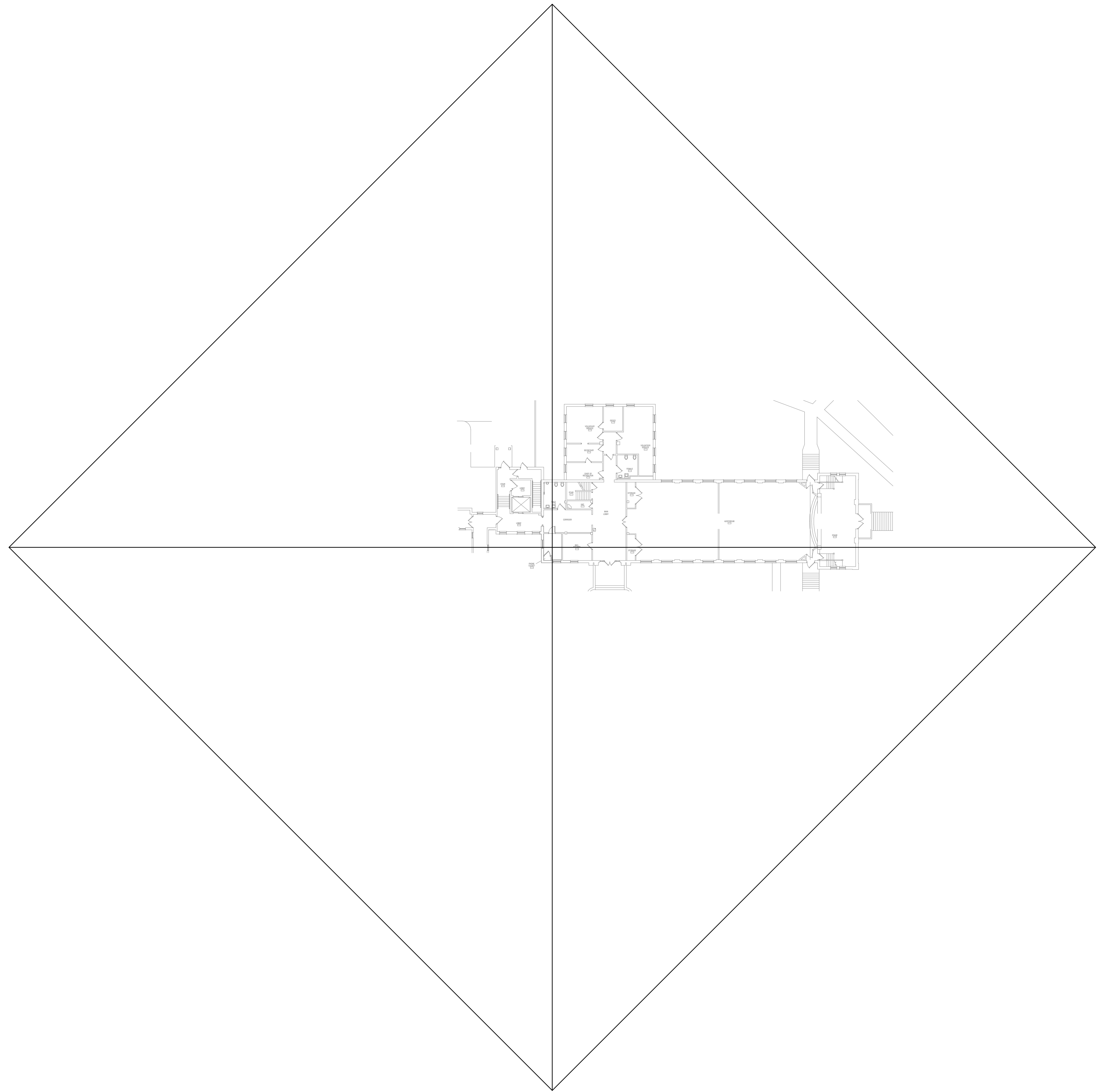
EHRM INFRASTRUCTURE UPGRADES

DATE 03/30/2022
PLOT SCALE
PROJECT NO. 656-21-235
DRAWING NO. 8-TN110

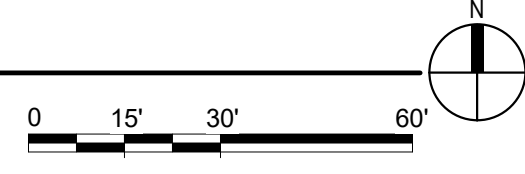
BUILDING No. 8
CHECKED BY KSB
DRAWN BY SSK
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED

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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No.	REVISION	DATE

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DRAWING TITLE

FIRST LEVEL FLOOR PLAN - TELECOM - CABLE DISTANCE

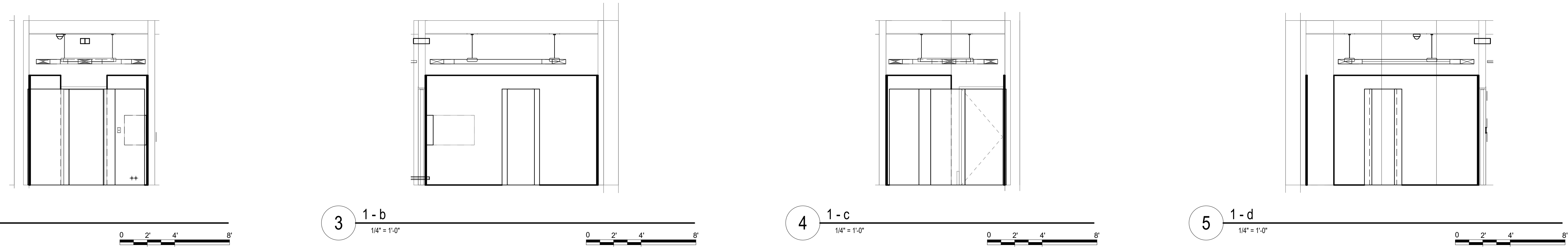
PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE 03/30/2022
PLOT SCALE
PROJECT NO. 656-21-235
DRAWING NO. 8-TN200

BUILDING No. 8
CHECKED BY KSB
DRAWN SSK
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED

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. IF ROOM 116 DOES NOT HAVE AN ACCESS CONTROL PANEL, 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:

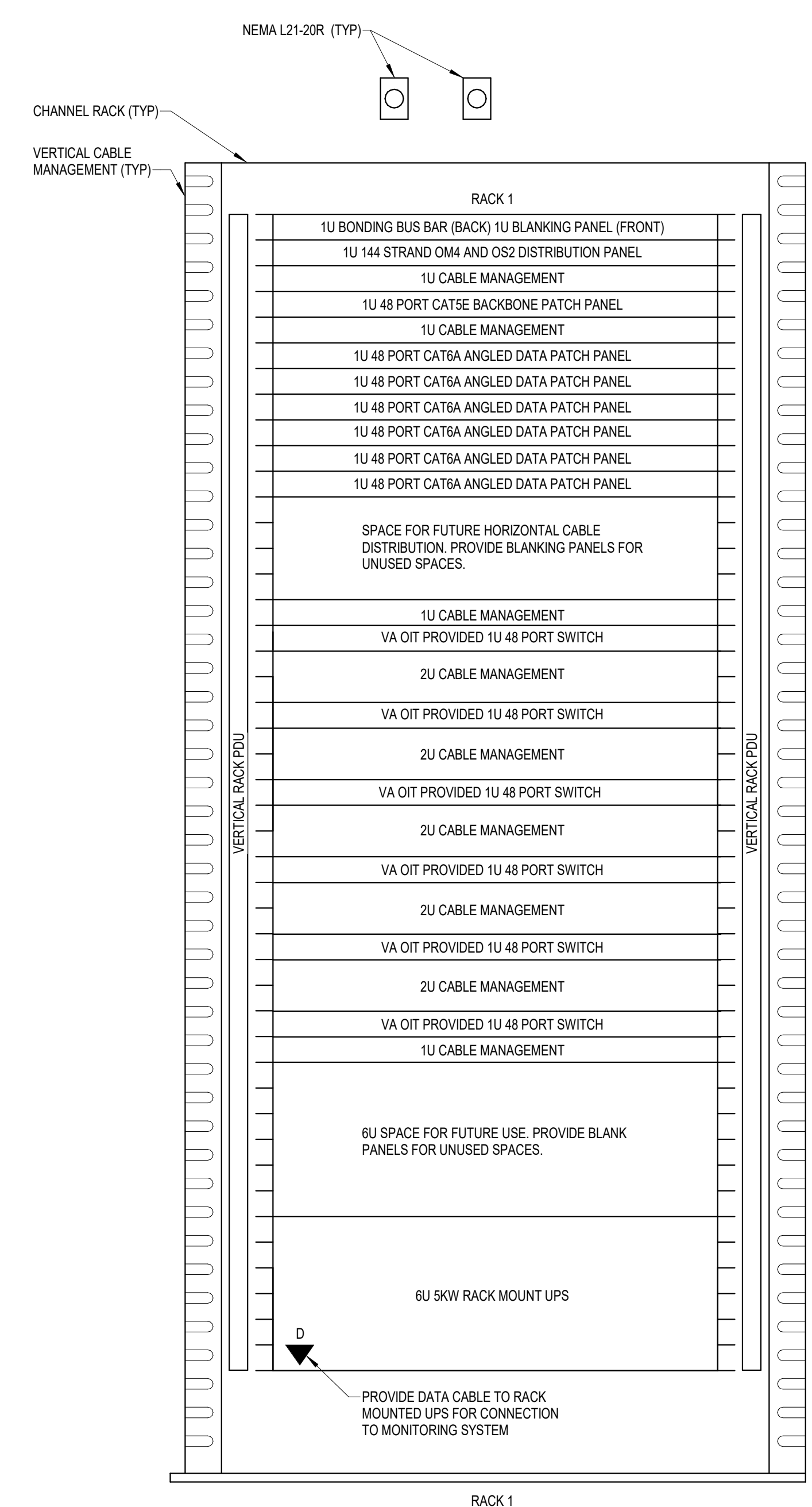
CABLING NOTES
 A. THE EXISTING CABLE COUNT ARE THE CABLES CURRENTLY PRESENT IN THE SPACE. THE CABLE RELOCATION COUNT ARE THE NEW OR RELOCATED CABLES TO BE FED FROM THE SPACE. THE FINAL CABLE COUNT ARE THE CABLES THAT WILL BE PRESENT IN THE SPACE AT THE COMPLETION OF THE PROJECT.

1. ROOM 116
 EXISTING CABLE COUNT
 DATA (CAT6): 106
 DATA (CAT5e): 0
 DATA (CAT5): 0
 DATA (CAT3): 0

CABLE RELOCATION COUNT
 DATA (CAT6): 0
 DATA (CAT5e): 0
 DATA (CAT5): 0
 DATA (CAT3): 0

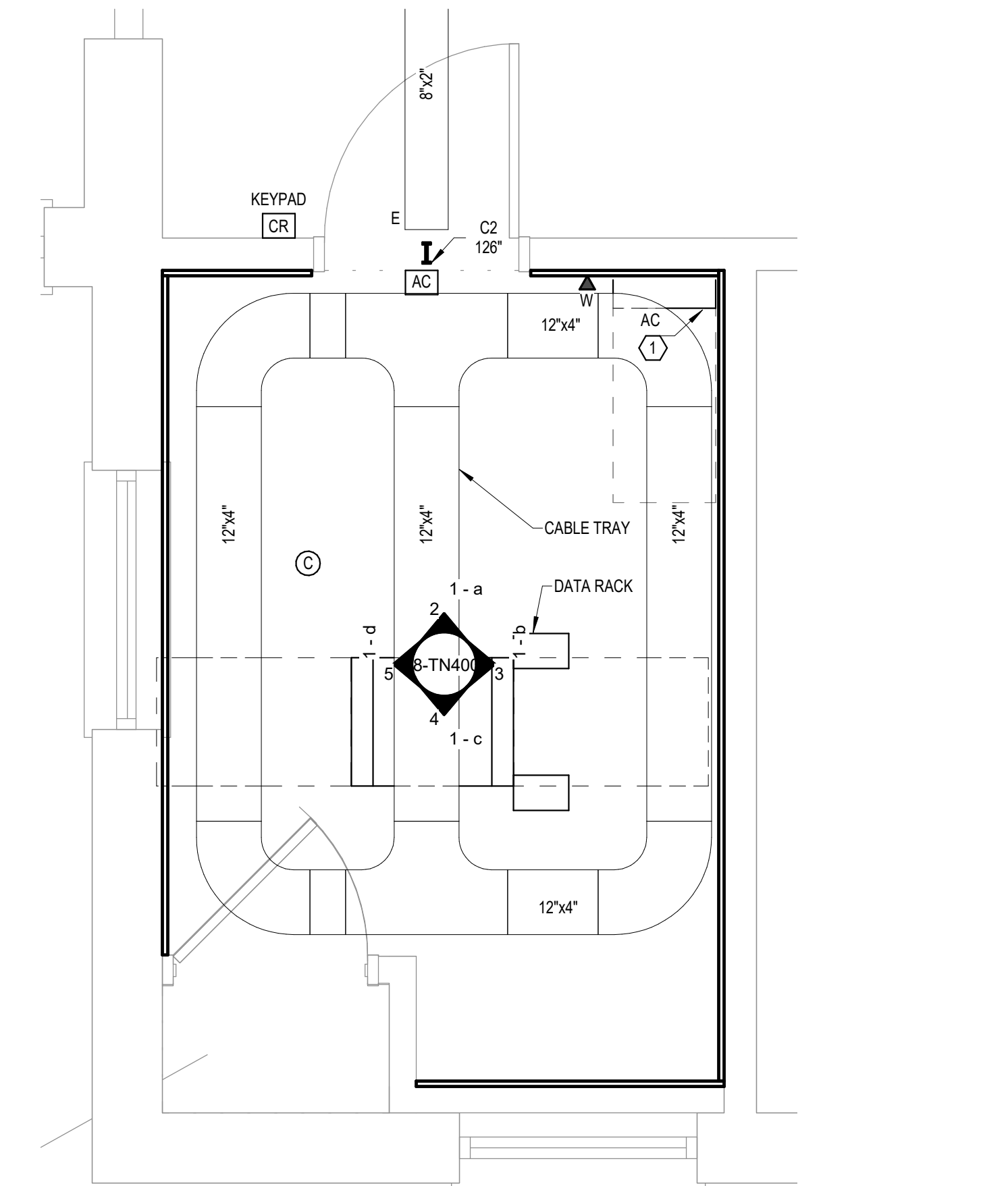
EXISTING CABLE TO REMAIN
 DATA (CAT6): 106
 DATA (CAT5e): 0
 DATA (CAT5): 0
 DATA (CAT3): 0

FINAL CABLE COUNT
 DATA (CAT6): 0
 DATA (CAT5): 106



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 OWNERS 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 116
 NO SCALE

1 ENLARGED PLAN - TR 116 - TELECOM - CABLE TRAY AND DATA
 1/2\"/>

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No.	REVISION	DATE

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 Nathan Timm
 BICS ID # 346555
 Expires 12-31-24
 Nathan M. Timm

DRAWING TITLE

ENLARGED PLANS - TELECOMMUNICATIONS

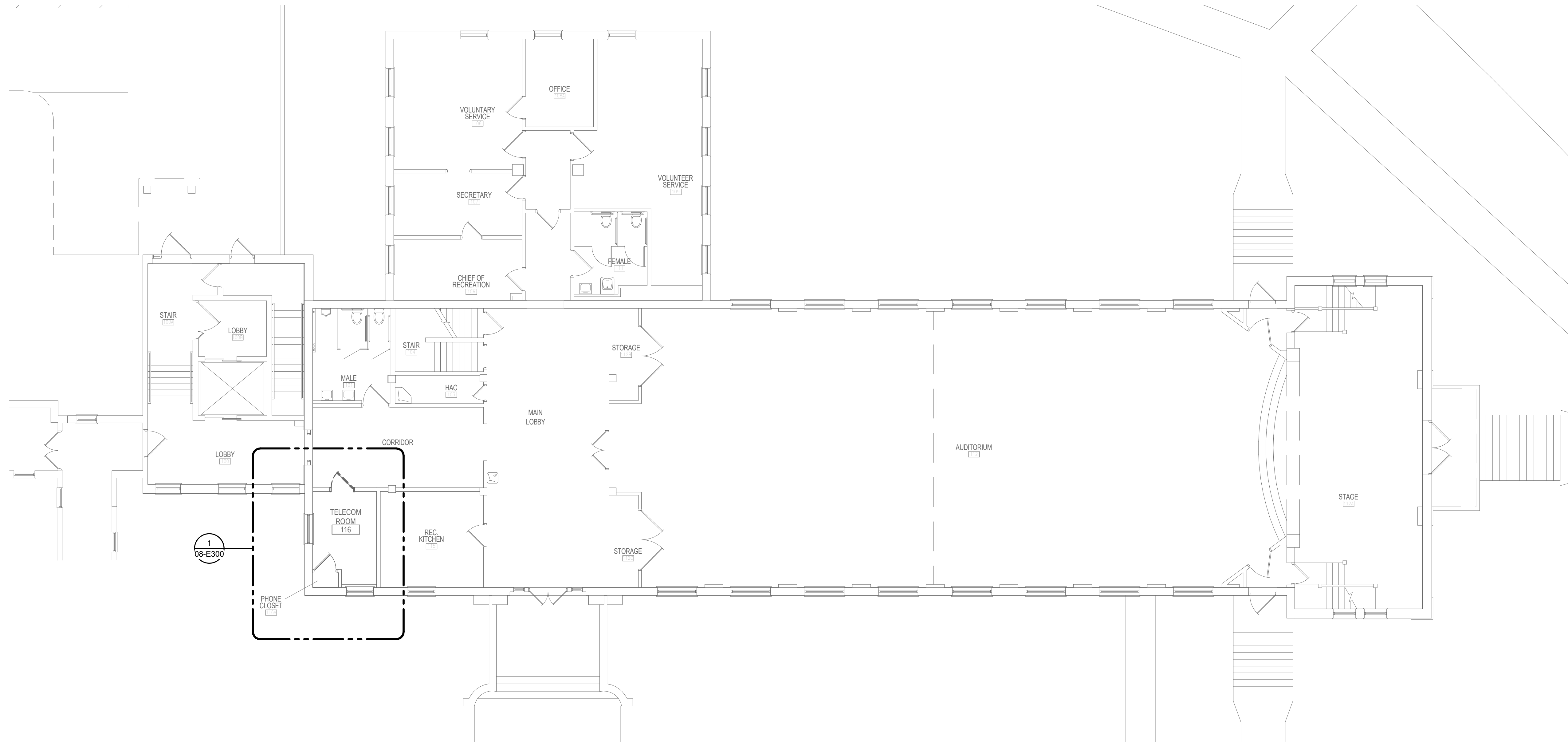
PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

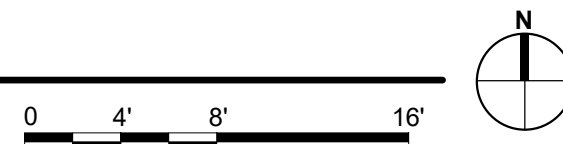
DATE: 03/30/2022
 PLOT SCALE:
 PROJECT NO: 656-21-235
 DRAWING NO: 8-TN400

BUILDING No: 8
 CHECKED BY: KSB
 DRAWN BY: SSK
 FULLY SPRINKLERED

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



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



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No.	REVISION	DATE
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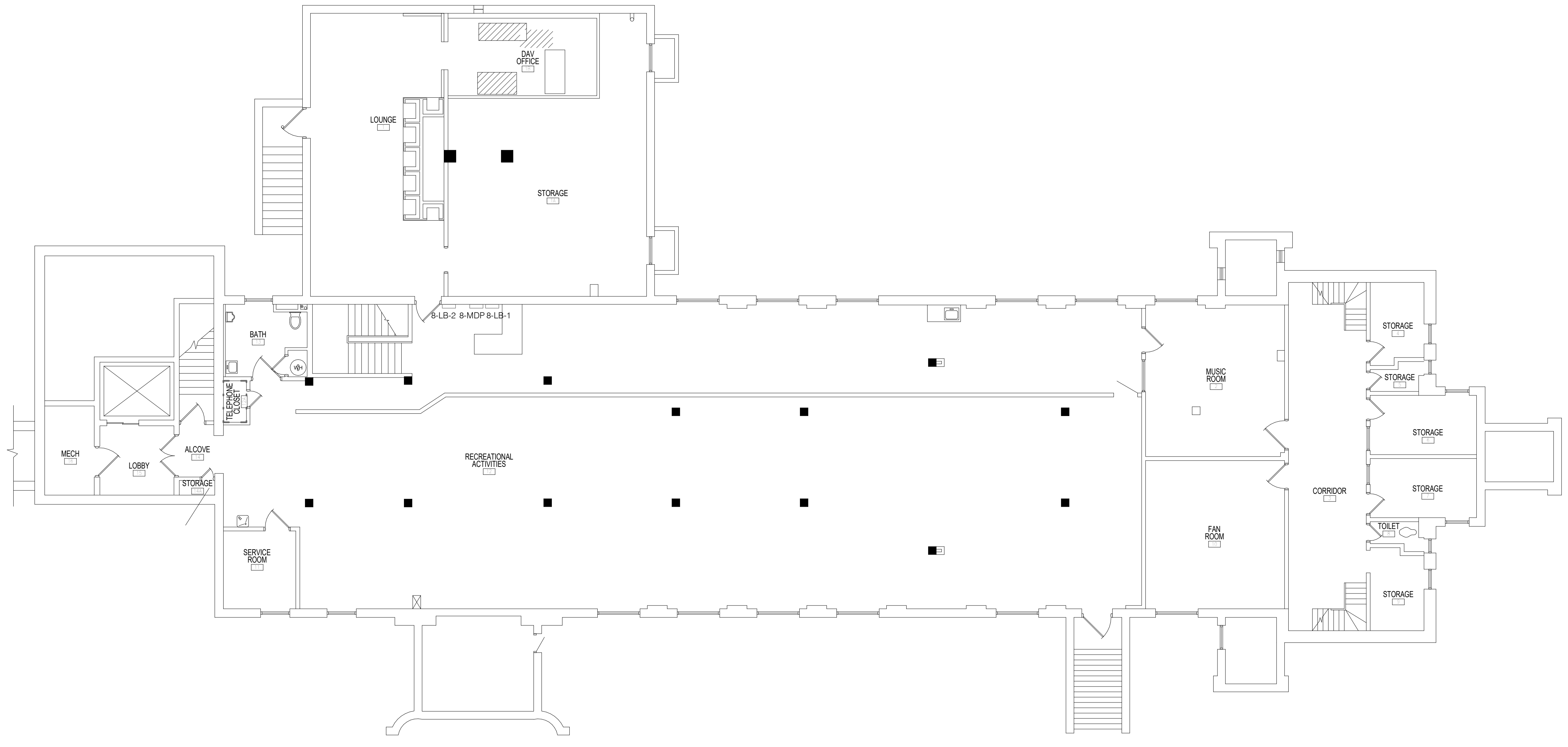
STAMP

05-06-2022

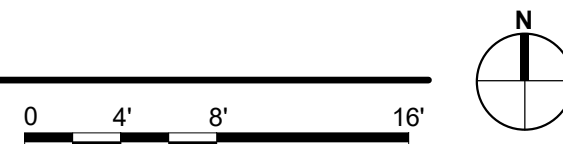
DRAWING TITLE
 FIRST FLOOR DEMOLITION
 PLAN - ELECTRICAL

PROJECT TITLE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
BUILDING No.	PROJECT No.
08	656-21-235
CHECKED BY	DRAWN BY
TBD	G.J.L.
LOCATION	DRAWING No.
VA MEDICAL CENTER ST. CLOUD, MN 56303	08-E100
FULLY SPRINKLERED	DWG. OF

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 Veterans Health Administration
 St. Cloud VA Health Care System



1 BASEMENT FLOOR PLAN - ELECTRICAL
1/8" = 1'-0"



3/28/2022 12:23:59 PM
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No.	REVISION	DATE
100% CD		03/30

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 Anderson Engineering of Minnesota, LLC | Proj # 16305

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

Name: *[Signature]*
 Date: 03/30/2022
 License Number: MNE 53095

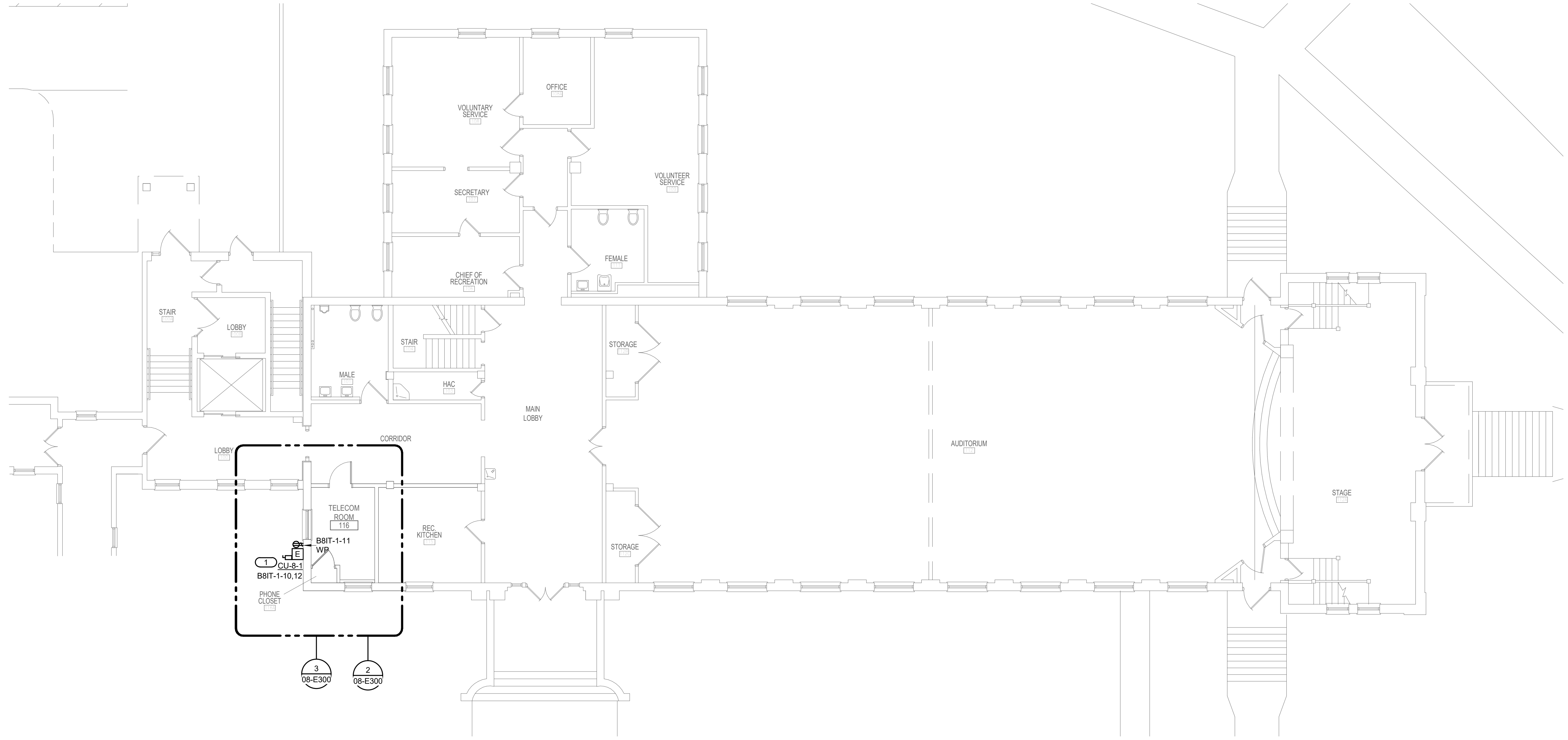
DRAWING TITLE

BASEMENT FLOOR PLAN - ELECTRICAL

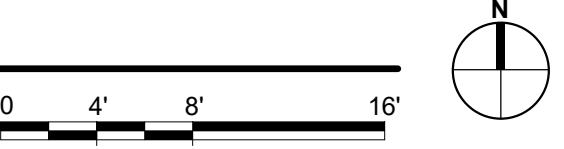
PROJECT TITLE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
BUILDING No.	PROJECT No.
08	656-21-235
CHECKED BY	DRAWN BY
TBD	GJL
LOCATION	DRAWING NO.
VA MEDICAL CENTER ST. CLOUD, MN 56303	08-E200
FULLY SPRINKLERED	DWG. OF

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

KEYNOTES: (#)
 1. PROVIDE ELECTRICAL CONNECTION TO CONDENSING UNIT, AS REQUIRED. COORDINATE FINAL LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL.



1 FIRST FLOOR PLAN - ELECTRICAL
 1/8" = 1'-0"



BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-B/08.E_R21.rvt

100% CD	03/30
No	REVISION
	DATE

CONSULTANT

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 Omaha, NE 68134
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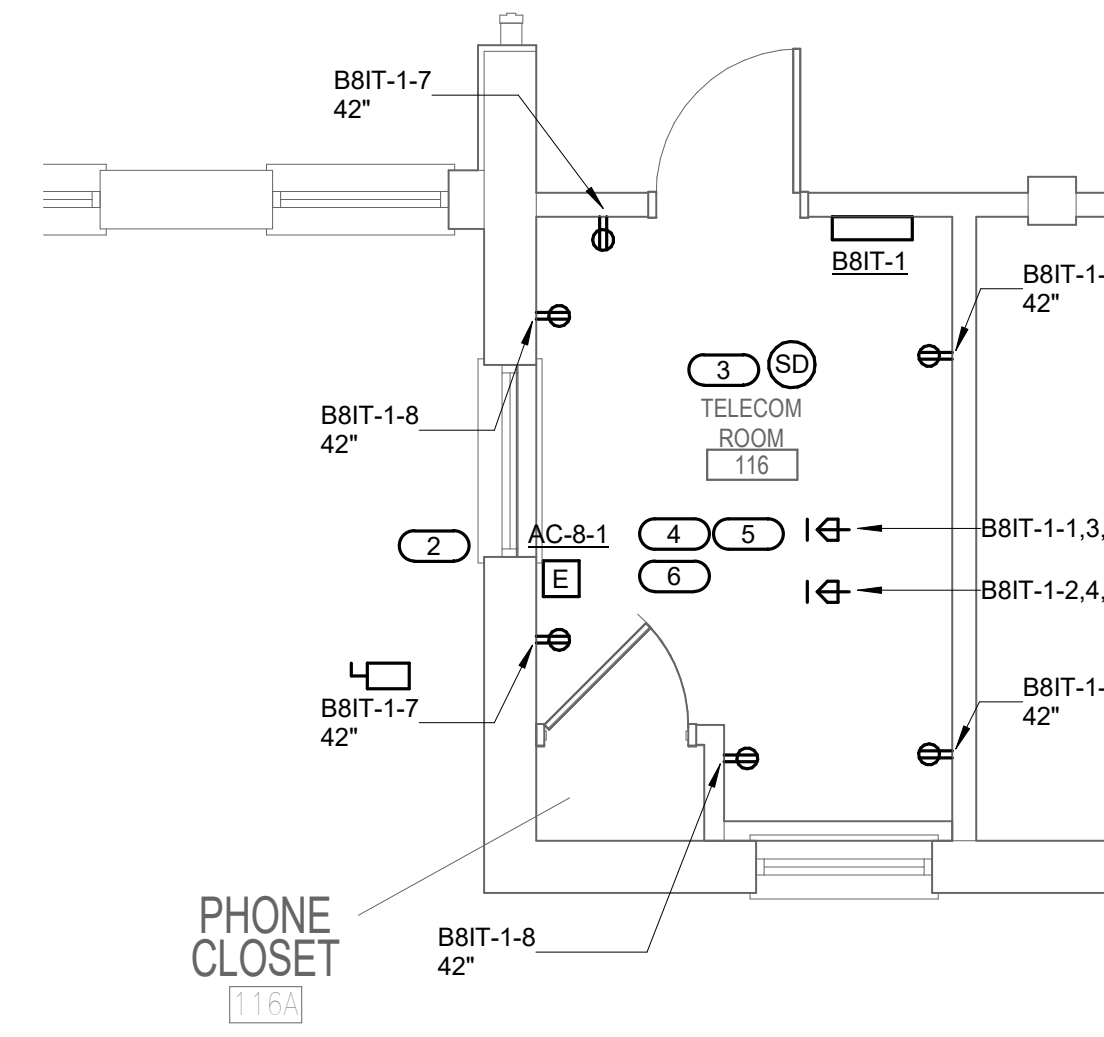
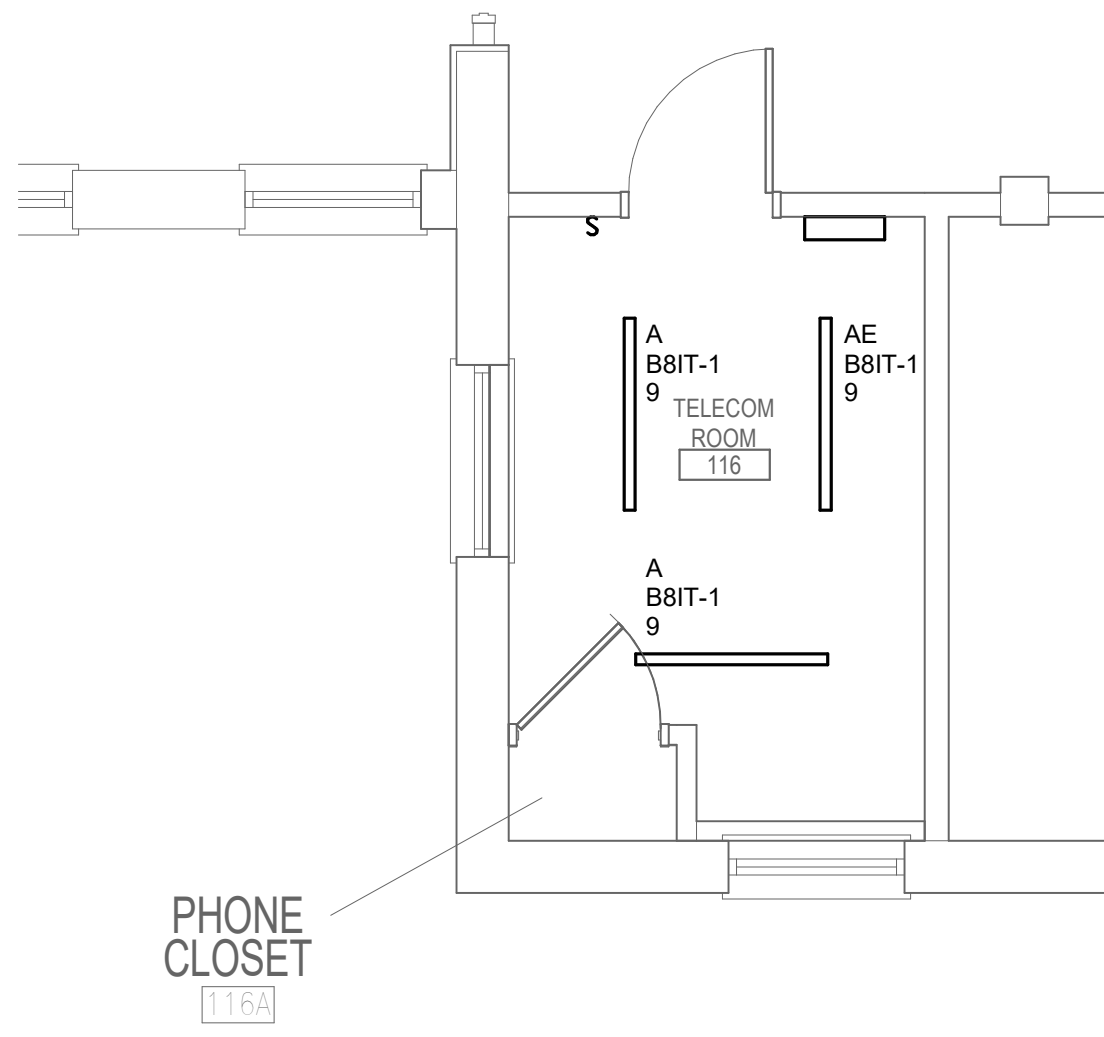
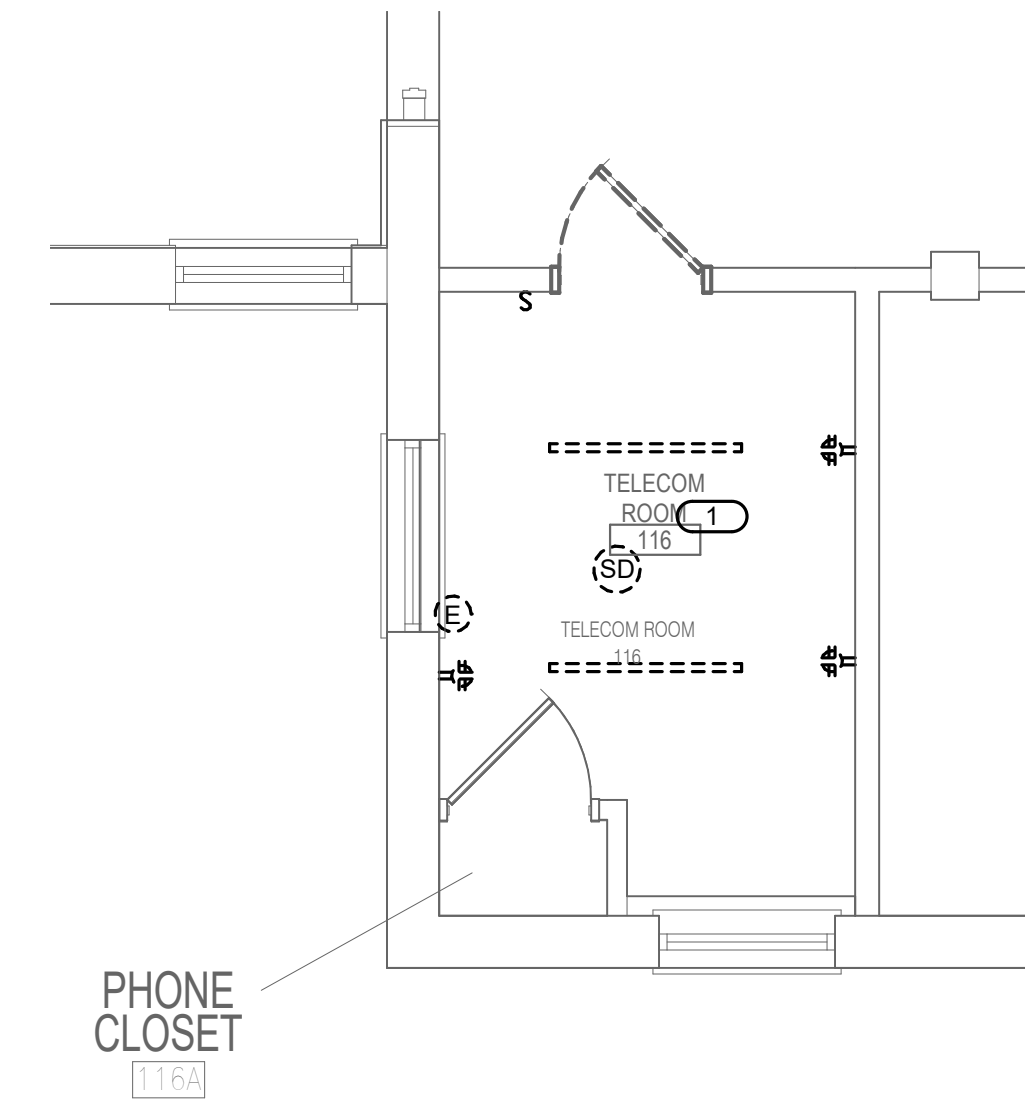
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DRAWING TITLE
 FIRST FLOOR PLAN - ELECTRICAL

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES	DATE 03/30/2022
BUILDING No 08	PROJECT No 656-21-235
CHECKED BY TBD	DRAWN BY G.J.L.
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	DRAWING NO. 08-E201
FULLY SPRINKLERED	DWG. OF

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



1 FIRST FLOOR DEMOLITION ENLARGED - TR 116 - ELECTRICAL
1/4" = 1'-0"

2 FIRST FLOOR ENLARGED - TR 116 - LIGHTING
1/4" = 1'-0"

3 FIRST FLOOR - TR116 - POWER & SIGNAL
1/4" = 1'-0"

SHEET NOTES:

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

KEYNOTES: (#)

- DISCONNECT AND REMOVE LIGHTS AND RECEPTACLES IN AREA OF NEW IT ROOM. MAINTAIN CIRCUIT CONTINUITY TO ADJOINING SPACES.
- INDOOR UNIT TO BE POWERED BY OUTDOOR UNIT. COORDINATE EXACT LOCATION WITH M.C.
- CONNECT SMOKE DETECTOR TO NEAREST EXISTING SLC.
- COORDINATE FINAL LOCATION OF RECEPTACLE L21-20R WITH TELECOM CONTRACTOR. PROVIDE 3/4" C-4#12, 1#12 GND TO PANEL FOR EACH RECEPTACLE.
- PROVIDE EATON BLADEUPS, 5KW, 120/208V, 3-PHASE, 4-WIRE RACK MOUNTED UPS FOR EACH RACK TOWER.
- PROVIDE APC#AP8861 RPOU RACK PDU 2G WITH L21-20P CORD, (120/208V, 3-PHASE, 20A, ZERO U, 5.7 KW, 208V, (3) C13 (6) C19 (2) 5-20R OUTLETS. PROVIDE TWO PER RACK, MOUNTED PER MANUFACTURER'S REQUIREMENTS.

BIM 360/21/02/102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-BR68.E - R21.DWG

100% CD	03/30
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	DATE

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Professional Engineer Seal for Anderson Engineering of Minnesota, LLC, dated 05-06-2022.

DRAWING TITLE

ELECTRICAL ENLARGED PLANS

PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
PLOT SCALE	
PROJECT NO.	DRAWING NO.
656-21-235	08-E300
BUILDING No.	CHECKED BY
08	TBD
DRAWN	DATE
GJL	08-E300
LOCATION	FULLY SPRINKLERED
VA MEDICAL CENTER ST. CLOUD, MN 56303	

VA U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System

A

B

C

D

E

F

KEYNOTES: (#)

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

PANEL B8IT-1

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: B-MDP
LOCATION: TELECOM ROOM 116

SOLID NEUTRAL
GROUND BUS

MAIN: 100 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA

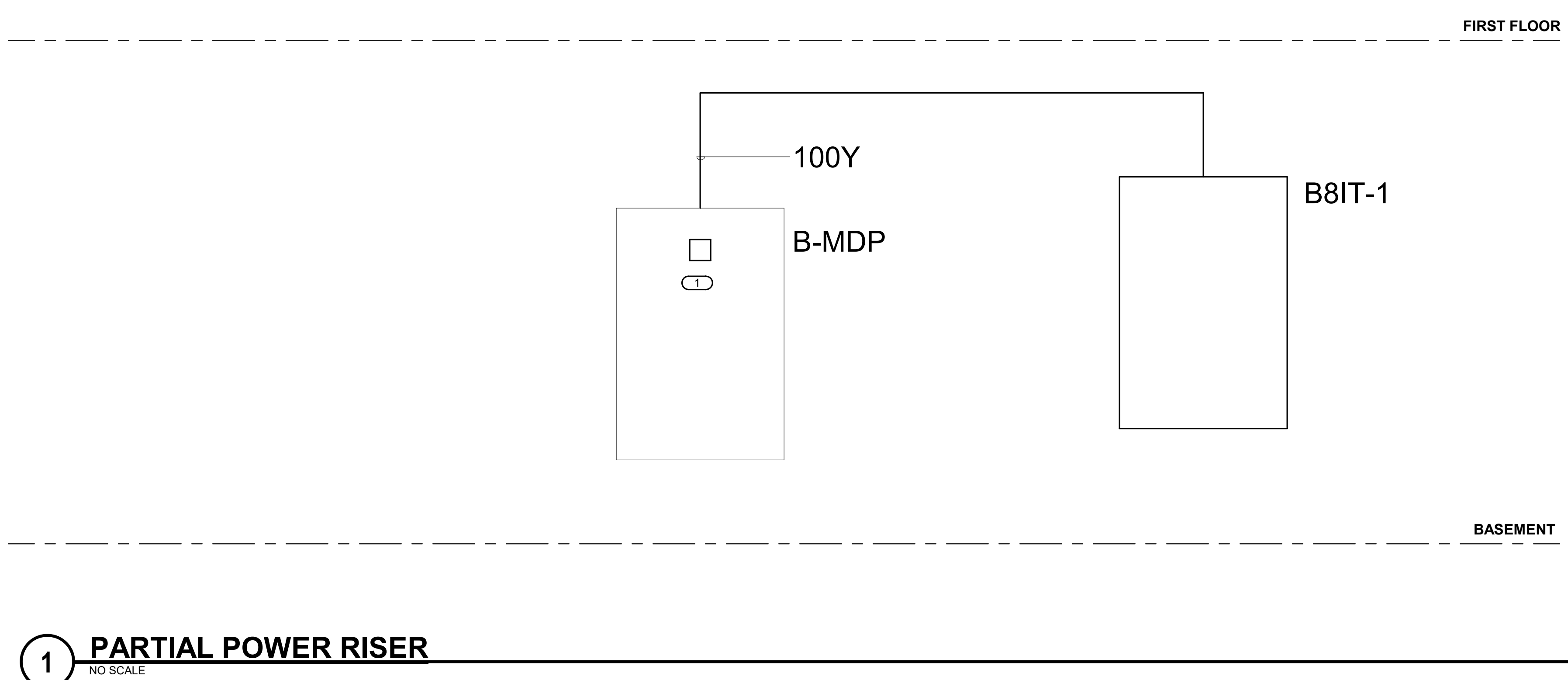
NOTES:

KEY NO.	LOAD DESCRIPTION	OCB			WIRE SIZE			WIRE SIZE			OCB	LOAD DESCRIPTION	KEY NO.	
		AMPS	P	H	N	G	A	B	C	G				N
1	L21-20R	20 A	3		1.67	1.67					3	20 A	L21-20R	2
3						1.67	1.67							4
5							1.67	1.67						6
7	TELECOM ROOM REC.	20 A	1		0.54	0.54					1	20 A	TELECOM ROOM REC.	8
9	TELECOM LIGHTING	20 A	1			0.1	1				2	20 A	CU-8-1	10
11	WP GFI REC.	20 A	1				0.18	1						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:		4.41 kVA	4.43 kVA	4.51 kVA								
		Total Amps:		36.78	36.97	37.64								

LOAD CLASSIFICATION				CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS*	
Lighting				0.1 kVA	100.00%	0.1 kVA	TOTAL CONNECTED LOAD:	13.36 kVA
Power				12 kVA	100.00%	12 kVA	TOTAL ESTIMATED DEMAND LOAD:	13.36 kVA
Receptacles				1.26 kVA	100.00%	1.26 kVA	TOTAL CONNECTED AMPS:	37.08 A
							TOTAL ESTIMATED DEMAND AMPS:	37.1 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:



BIM 360/21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-BR/E_R21.dwg

No.	100% CD	REVISION	03/30	DATE
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LEEDND PROFESSIONAL ENGINEER
2009

06-06-2022

DRAWING TITLE
ELECTRICAL ONE-LINE DIAGRAMS & SCHEDULE

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE

PROJECT NO.
656-21-235

BUILDING No.
08

CHECKED BY
TBD

DRAWN BY
GJL

DRAWING NO.
08-E400

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

A

B

C

D

E

F

PANEL B8IT-1															
MOUNTING: SURFACE ENCLOSURE: NEMA PB 1 FED FROM: B-MDP LOCATION: TELECOM ROOM 116					SOLID NEUTRAL GROUND BUS					MAIN: 100 A MCB VOLTS: 120/208 Wye PHASE: 3 WIRE: 4 SCCR: 10 kA					
NOTES:															
K E Y	CTK NO.	LOAD DESCRIPTION	OC PD AMPS	P	WIRE SIZE H N G	A	B	C	WIRE SIZE G N H P	OC PD AMPS	LOAD DESCRIPTION	CTK NO.	K E Y		
--	1	L21-20R	20 A	3		1.67	1.67			3	20 A	L21-20R	2	--	
--	3		--	--	--		1.67	1.67		--	--		4	--	
--	5		--	--	--			1.67	1.67	--	--		6	--	
--	7	TELECOM ROOM REC.	20 A	1		0.54	0.54			1	20 A	TELECOM ROOM REC.	8	--	
--	9	TELECOM LIGHTING	20 A	1			0.1	1		2	20 A	CU-8-1	10	--	
--	11	WP GFI REC.	20 A	1				0.18	1	--	--		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:			4.41 kVA	4.43 kVA	4.51 kVA							
			Total Amps:			36.78	36.97	37.64							

LOAD SUMMARY				
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS*
Lighting	0.1 kVA	100.00%	0.1 kVA	
Power	12 kVA	100.00%	12 kVA	TOTAL CONNECTED LOAD: 13.36 kVA
Receptacles	1.26 kVA	100.00%	1.26 kVA	TOTAL ESTIMATED DEMAND LOAD: 13.36 kVA
				TOTAL CONNECTED AMPS: 37.08 A
				TOTAL ESTIMATED DEMAND AMPS: 37.1 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:

5/8/2022 10:35:06 AM BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-BRM_E_R21.dwg


No.	100% CD	REVISION	03/30	DATE
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06-06-2022

DRAWING TITLE: XELECTRICAL SCHEDULES

PROJECT FILE: EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022

PLOT SCALE: 1"=1'-0"

PROJECT NO: 656-21-235

BUILDING No: 08

CHECKED BY: TBD

DRAWN BY: GJL

DRAWING NO: 08-E500

LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF



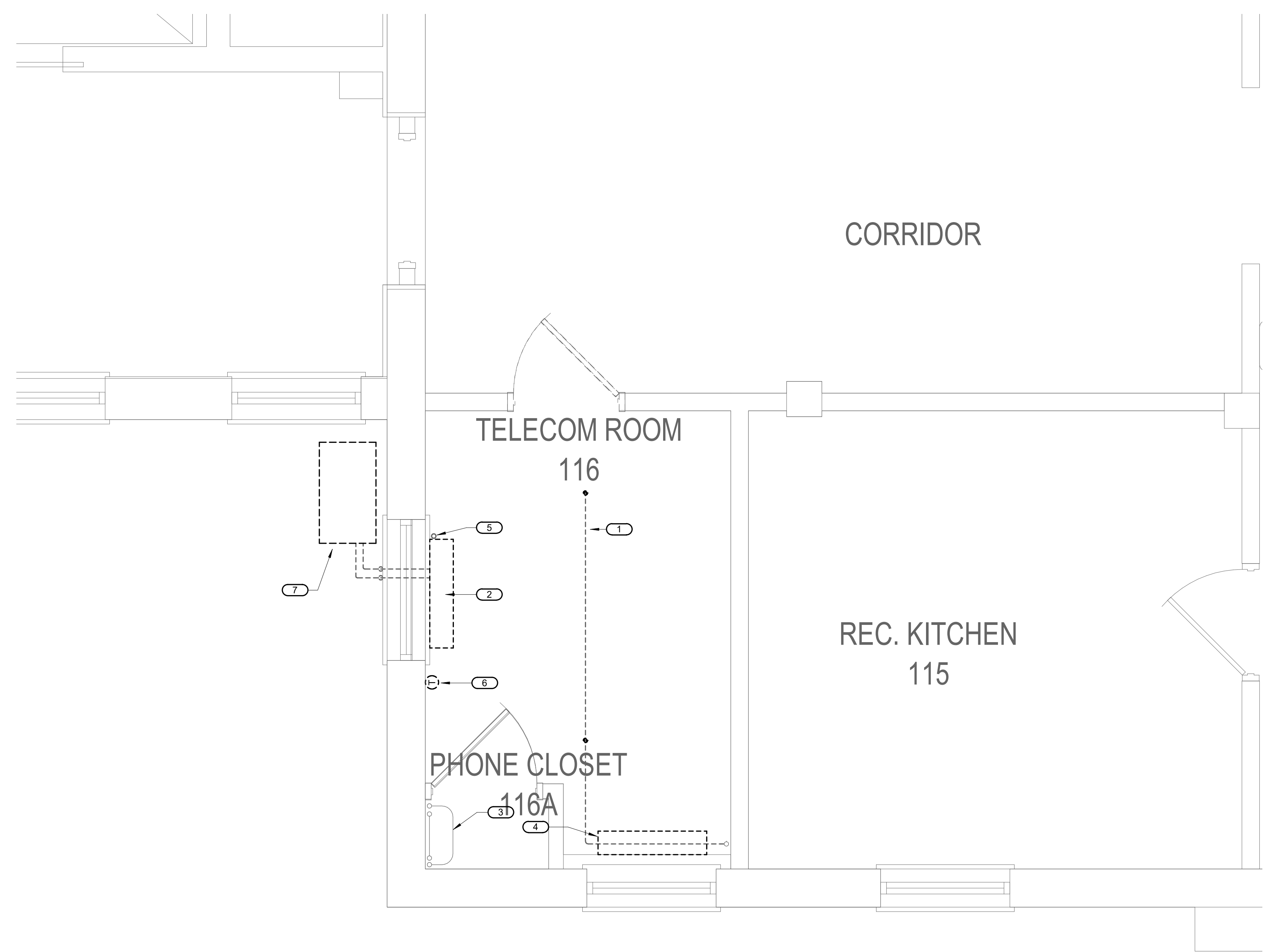

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

FIELD VERIFICATION NOTES

1. 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.
 - A. EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK, WHETHER EXPLICITLY SHOWN OR NOT.
 - B. SIZE AND LOCATION OF ALL EXISTING DUCTWORK.
 - C. SIZE AND LOCATION OF ALL EXISTING GRILLES, REGISTERS, AND DIFFUSERS.
 - D. SIZE AND LOCATION OF ALL EXISTING THERMOSTATIC CONTROL DEVICES.
 - E. SIZE AND LOCATION OF ALL EXISTING PLUMBING AND HYDRONIC PIPING.
2. 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 AND ALL AMOUNTS REQUIRED TO ACCOMMODATE EXISTING CONDITIONS.
3. NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
4. ANY DISCREPANCIES WHICH MAY AFFECT THE CONTRACTORS BID SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT FOR DIRECTION.

KEYNOTES 108-M101:

1. DEMOLISH EXISTING 1" FIRE SPRINKLER LINE TO BE DEMO'D BACK TO RISER AND PREPARE FOR RECONNECTION.
2. EVACUATE AND CAPTURE EXISTING REFRIGERANT, AND DISPOSE OF IN ACCORDANCE WITH SPECIFICATIONS AND ALL REGULATORY REQUIREMENTS. REMOVE AND DISPOSE OF EXISTING SPLIT-SYSTEM UNIT AND ASSOCIATED PIPING & CONTROLS.
3. EXISTING 2-1/2" HYDRONIC PIPING TO REMAIN.
4. REMOVE AND DISPOSE OF EXISTING CONVECTOR HEATING UNIT & CONTROLS. CAP HWS & HWR PIPING AT FLOOR. COORDINATE FLOOR PATCHING WITH GENERAL CONTRACTOR.
5. REMOVE AND DISPOSE OF EXISTING 3/4" CONDENSATE LINE DOWN THROUGH FLOOR TO TERMINATION, AND CAP AT MAIN. COORDINATE FLOOR PATCHING WITH GENERAL CONTRACTOR.
6. REMOVE AND DISPOSE OF EXISTING THERMOSTAT.
7. REMOVE AND DISPOSE OF EXISTING AIR COOLED CONDENSING UNIT. COORDINATE WALL PATCHING WITH GENERAL CONTRACTOR.



1 FIRST FLOOR DEMOLITION - MECHANICAL- TELECOM 116
 1/2" = 1'-0"

5/11/2022 8:36:39 PM BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-B06.M_R21.rvt

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STAM

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: MNE

DRAWING TITLE

FIRST FLOOR DEMOLITION - MECHANICAL

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

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

BUILDING No: 8
CHECKED BY: RDL
DRAWN BY: DJC

LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303

DRAWING NO: 08-M101
FULLY SPRINKLERED
DWS OF

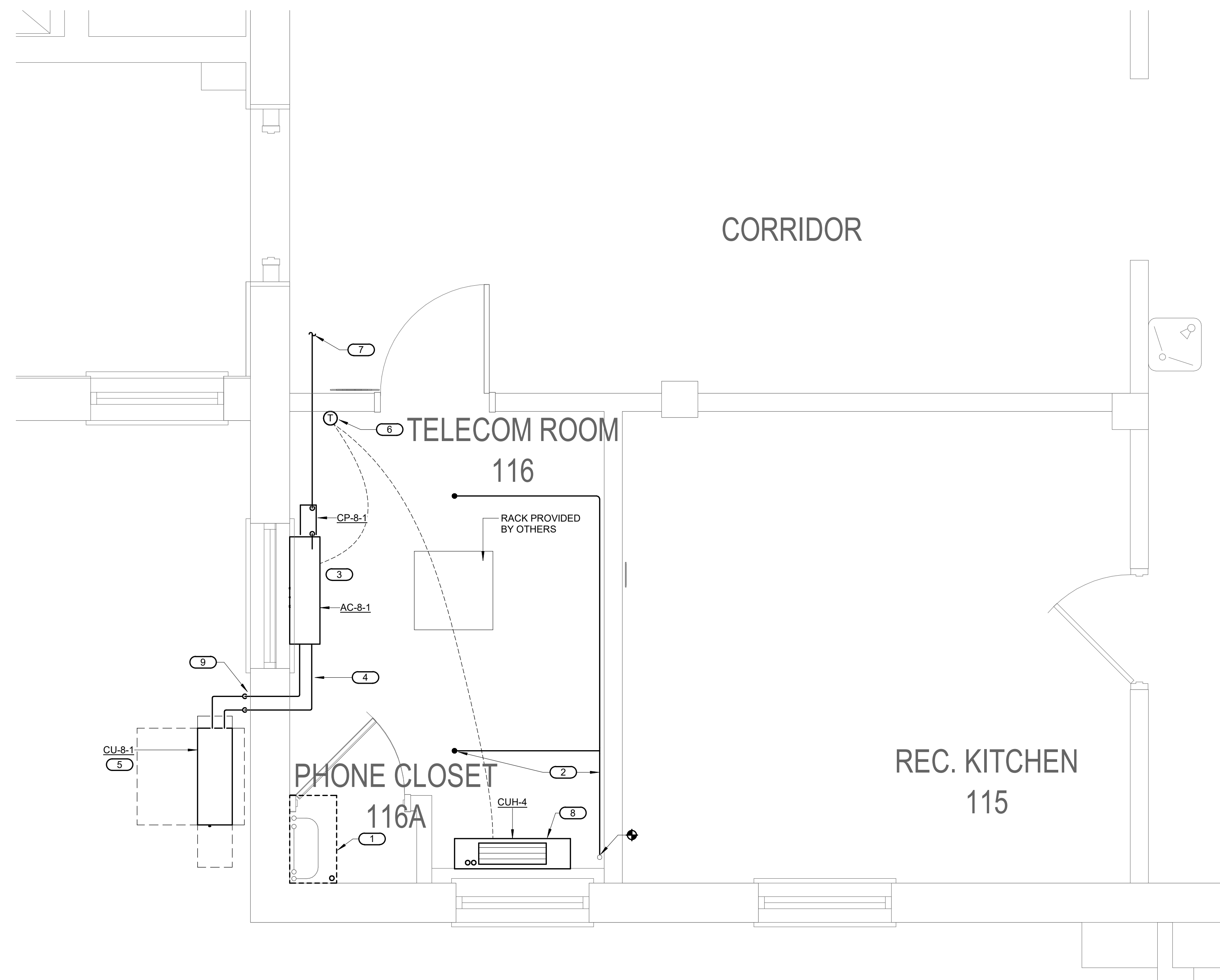
U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System

FIELD VERIFICATION NOTES

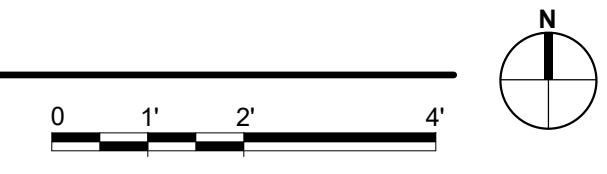
1. THE HVAC CONTRACTOR SHOULD VISIT THE SITE **PRIOR TO BID** TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED.
 - A. EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK, WHETHER EXPLICITLY SHOWN OR NOT.
 - B. SIZE AND LOCATION OF ALL EXISTING DUCTWORK.
 - C. SIZE AND LOCATION OF ALL EXISTING GRILLES, REGISTERS, AND DIFFUSERS.
 - D. SIZE AND LOCATION OF ALL EXISTING THERMOSTATIC CONTROL DEVICES.
 - E. SIZE AND LOCATION OF ALL EXISTING PLUMBING AND HYDRONIC PIPING.
2. 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 AND ALL AMOUNTS REQUIRED TO ACCOMMODATE EXISTING CONDITIONS.
3. NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
4. ANY DISCREPANCIES WHICH MAY AFFECT THE CONTRACTORS BID SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT FOR DIRECTION.

KEYNOTES 108-M201:

1. DRIP PAN EXISTING HYDRONIC PIPING. DROP 1" DRIP PAN DRAIN LINE DOWN TO SERVICE ROOM AND ROUTE TO FLOOR DRAIN. FIELD VERIFY REQUIREMENTS.
2. PROVIDE 1" FIRE SPRINKLER LINE. PROVIDE NEW SPRINKLER HEADS.
3. PROVIDE NEW WALL-MOUNTED DUCTLESS COOLING UNIT AC-8-1.
4. ROUTE NEW REFRIGERANT PIPING TO CU-8-1 UNIT. LOCATE CU-8-1 ON GRADE.
5. PROVIDE NEW AIR COOLED CONDENSING UNIT. PROVIDE CONCRETE PAD. REFER TO REFRIGERANT PIPING DETAIL 110-GM400 AND PAD MOUNTING DETAIL 310-GM401.
6. PROVIDE NEW THERMOSTAT - WIRE COMMON WITH NEW AC UNIT AND CUH.
7. ROUTE 1" PUMPED CONDENSATE DRAIN APPROXIMATELY 35 FEET NORTH AND DROP TO MOP SINK IN HAC ROOM 103. FIELD VERIFY REQUIREMENTS.
8. PROVIDE NEW CABINET UNIT HEATER CUH-4. RECONNECT TO EXISTING HYDRONIC HEATING PIPING.
9. REFER TO 410-GM401 FOR WALL PENETRATION SEALING DETAIL.



1 FIRST FLOOR - MECHANICAL - TELECOM 116
1/2" = 1'-0"



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100% CD	03/30
No	REVISION DATE

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Anderson Engineering of Minnesota, LLC | Proj # 16305

STAM

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: MNE 08-M201

FIRST FLOOR REMODEL - MECHANICAL		PROJECT FILE: EHRM INFRASTRUCTURE UPGRADES	DATE: 03/30/2022
BUILDING No: 8	CHECKED BY: RDL	DRAWN BY: DJC	PROJECT No: 656-21-235
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303		DRAWING No: 08-M201	DATE OF: 08-M201

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