

BUILDING 11 - 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

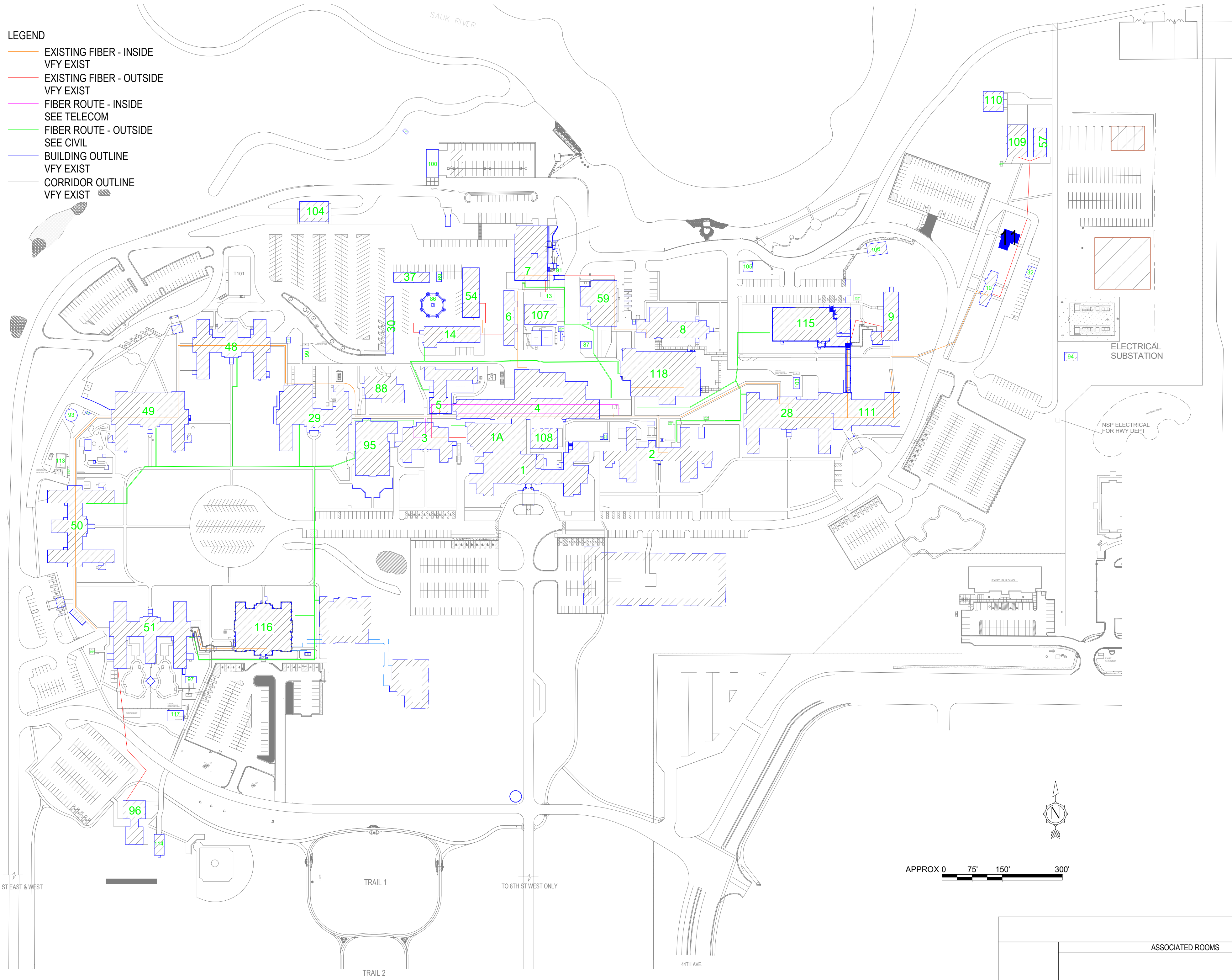
MECHANICAL/PLUMBING/FIRE ENGINEER:
NAME: SPECIALIZED ENGINEERING SOLUTIONS
ADDRESS: 10390 ELLISON CIRCLE
OMAHA, NE 68134

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 11	
SHEET NO.	SHEET TITLE
11-G000	BUILDING 11 COVER SHEET & SHEET INDEX
11-G101	BASEMENT FLOOR INFECTION CONTROL & PHASING PLAN
11-HA-1A	REFERENCE - BASEMENT FIRST FLOOR ASBESTOS RE-SURVEY
11-HA-2A	REFERENCE - SECOND ATTIC FLOOR ASBESTOS RE-SURVEY
11-AS100	BASEMENT - FIRST AND SECOND FLOOR PLANS
11-TD100	BASEMENT FLOOR PLAN - TELECOM - DEMOLITION
11-TN100	BASEMENT FLOOR PLAN - TELECOMMUNICATIONS
11-TD110	FIRST FLOOR PLAN - TELECOM - DEMOLITION
11-TD120	SECOND FLOOR PLAN - TELECOM - DEMOLITION
11-TN110	FIRST FLOOR PLAN - TELECOMMUNICATIONS
11-TN120	SECOND FLOOR PLAN - TELECOMMUNICATIONS
11-TN200	BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE
11-TN300	ENLARGED PLANS - TELECOMMUNICATIONS - DEMO
11-TN400	ENLARGED PLANS - TELECOMMUNICATIONS
11-E200	BASEMENT - ELECTRICAL
11-E300	ELECTRICAL ENLARGED PLANS
11-E600	ELECTRICAL SCHEDULES
11-M100	BASEMENT DEMOLITION - MECHANICAL
11-M200	BASEMENT FLOOR - MECHANICAL
SEE GENERAL SHEETS FOR ADDITIONAL INFORMATION	

ROOM SCHEDULE																
NO.	NAME	CABING	PATCH PANEL	FIBER	POWER	BONDING	UPS	DEDICATED COOLING	TEMPERATURE	HUMIDITY	RACK BENDER	SPACE	AREA	WIDTH (FT)	LENGTH (FT)	REMARKS
BASEMENT C00A	TELECOM ROOM	X	X	X	X	X	X	X	X	X			117 SF	7.0	16.7	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	C00A	TELECOM ROOM	NONE. SEE 11-HA-1A	NONE. ACM TO REMAIN UNDISTURBED
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	C00A	TELECOM ROOM	EMPLOYEE TRAVEL / CONTRACTING	TYPE C	GROUP 1	CLASS II	EAST	OCCUPIED CONSTRUCTION	NIGHT
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	C00A	TELECOM ROOM	YES	
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			COMMENTS
	FROM ROOM NAME	TO ROOM NAME	NUMBER	WIDTH	HEIGHT	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING	NON-GROUP FIRE LABEL (MIN)	

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NO.	REVISION	DATE

CONSULTANT

SPECIALIZED ENGINEERING SOLUTIONS
10360 Ellison Circle Omaha, NE 68134
Phone: 402-991-5520 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 Cieslak*
Typed or Printed Name: Tom Cieslak
Date: 03/30/2022 License Number: MN# 18157

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

DRAWING TITLE
BUILDING 11 COVER SHEET & SHEET INDEX

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

BUILDING NO.
11

CHECKED BY
EM

DRAWN BY
EM

SHEET NO.
11-G1000


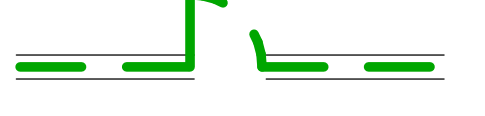

LOCATION
VA MEDICAL CENTER ST. CLOUD, MN 56303

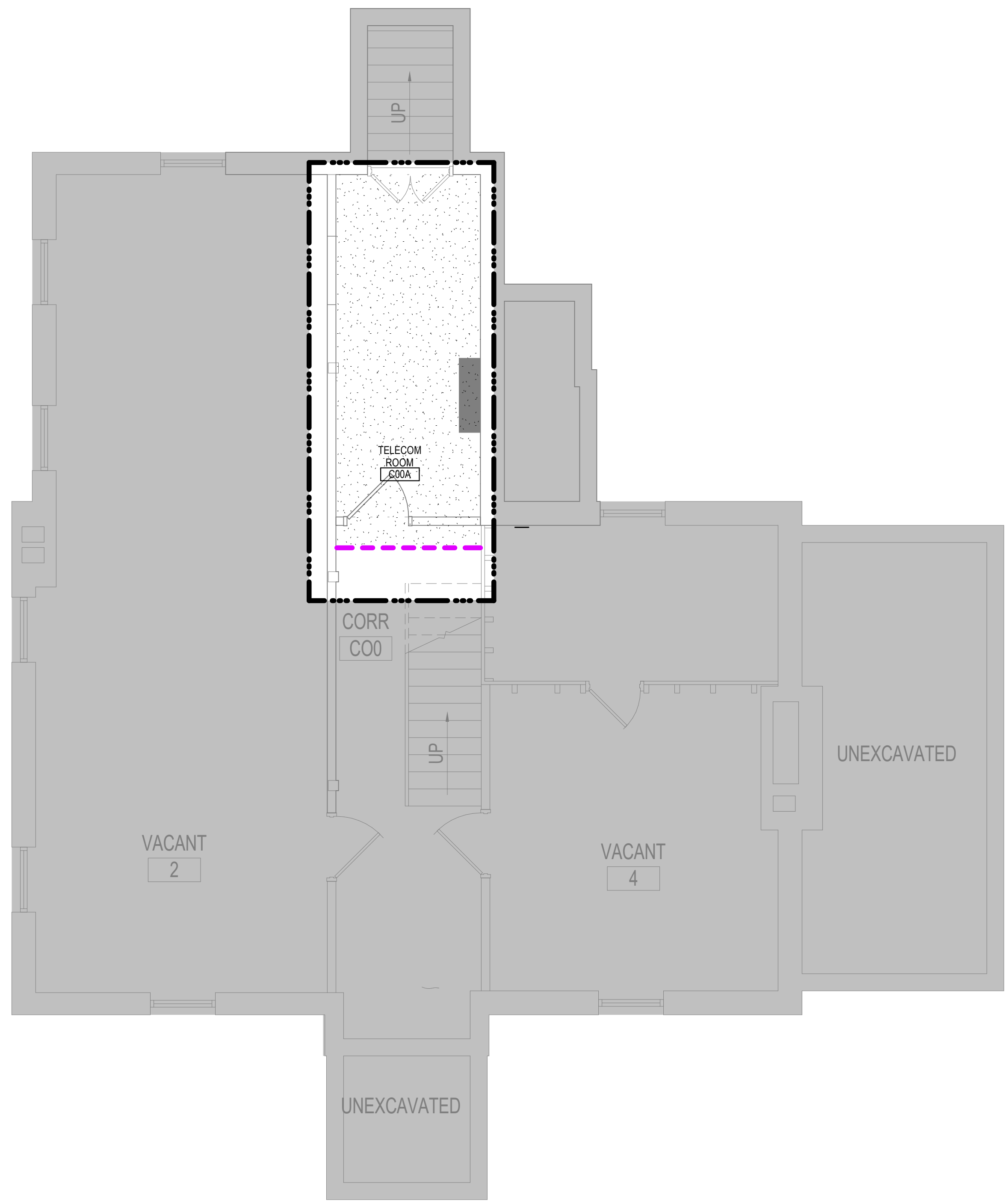
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COVER

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	000A	TELECOM ROOM	EMPLOYEE TRAVEL / CONTRACTING	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 TEAM'S 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 BASEMENT - CONST BARRIER PLAN BASEMENT
1/4" = 1'-0"

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No.	REVISION	DATE

CONSULTANT



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

DRAWING TITLE
BASEMENT FLOOR INFECTION CONTROL & PHASING PLAN

PROJECT TITLE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

BUILDING No.
11

CHECKED BY
EM

DRAWN BY
BMW

SHOWN NO.
11-G101

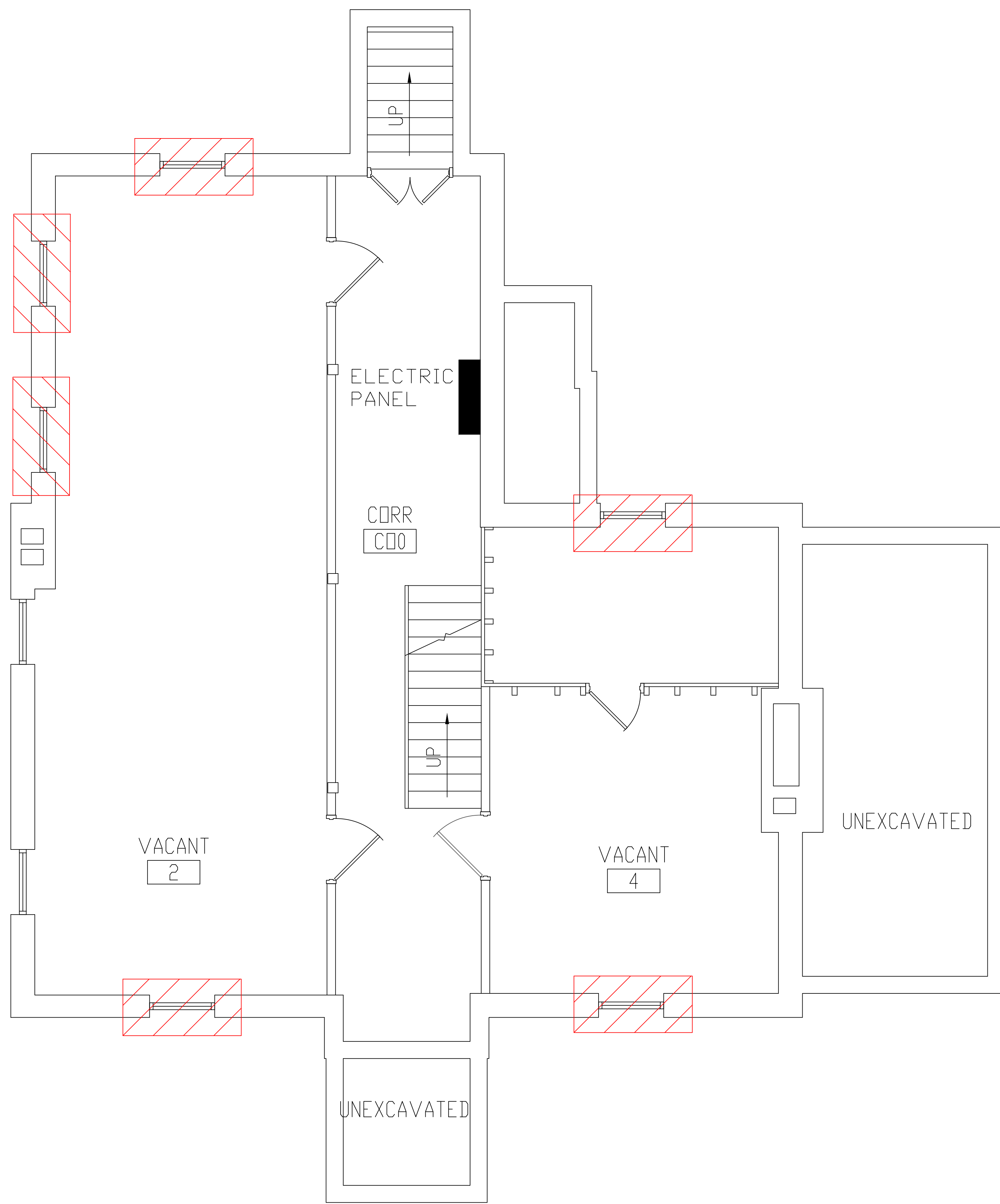
LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

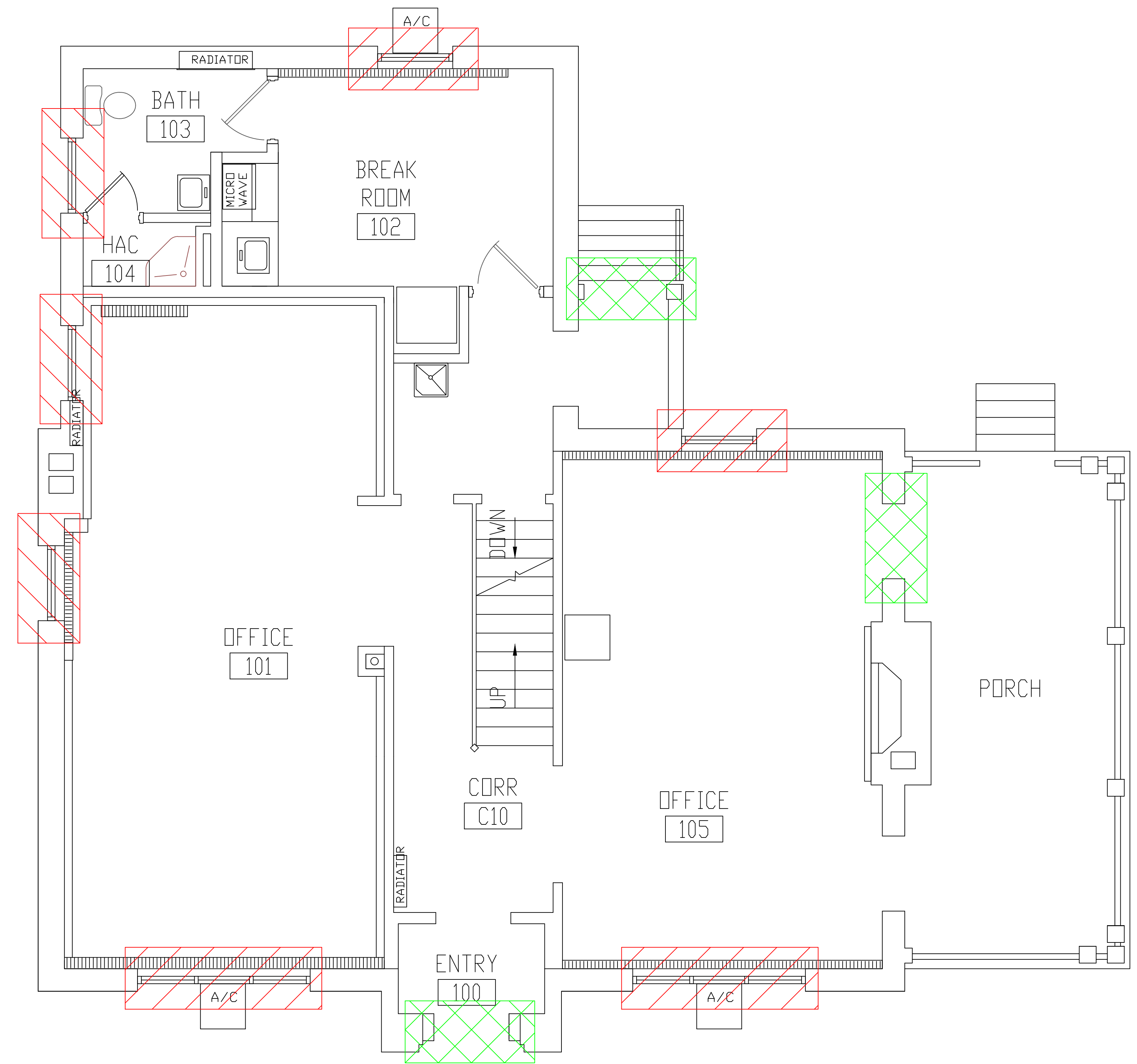
DWG. OF




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



BUILDING #11 - BASEMENT FLOOR PLAN



BUILDING #11 - FIRST FLOOR PLAN

LEGEND

- ASBESTOS-CONTAINING WINDOW GLAZING
- ASBESTOS-CONTAINING DOOR CAULK

Revisions	Dates

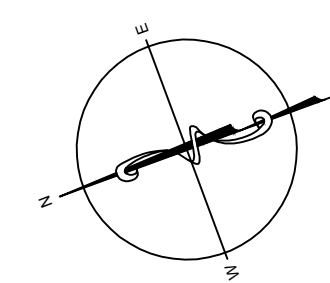
ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
 218-A MECHANIC STREET,
 WATERVILLE, OHIO 43566
 Tel: (567) 952-0212



Professional Seal:



North:



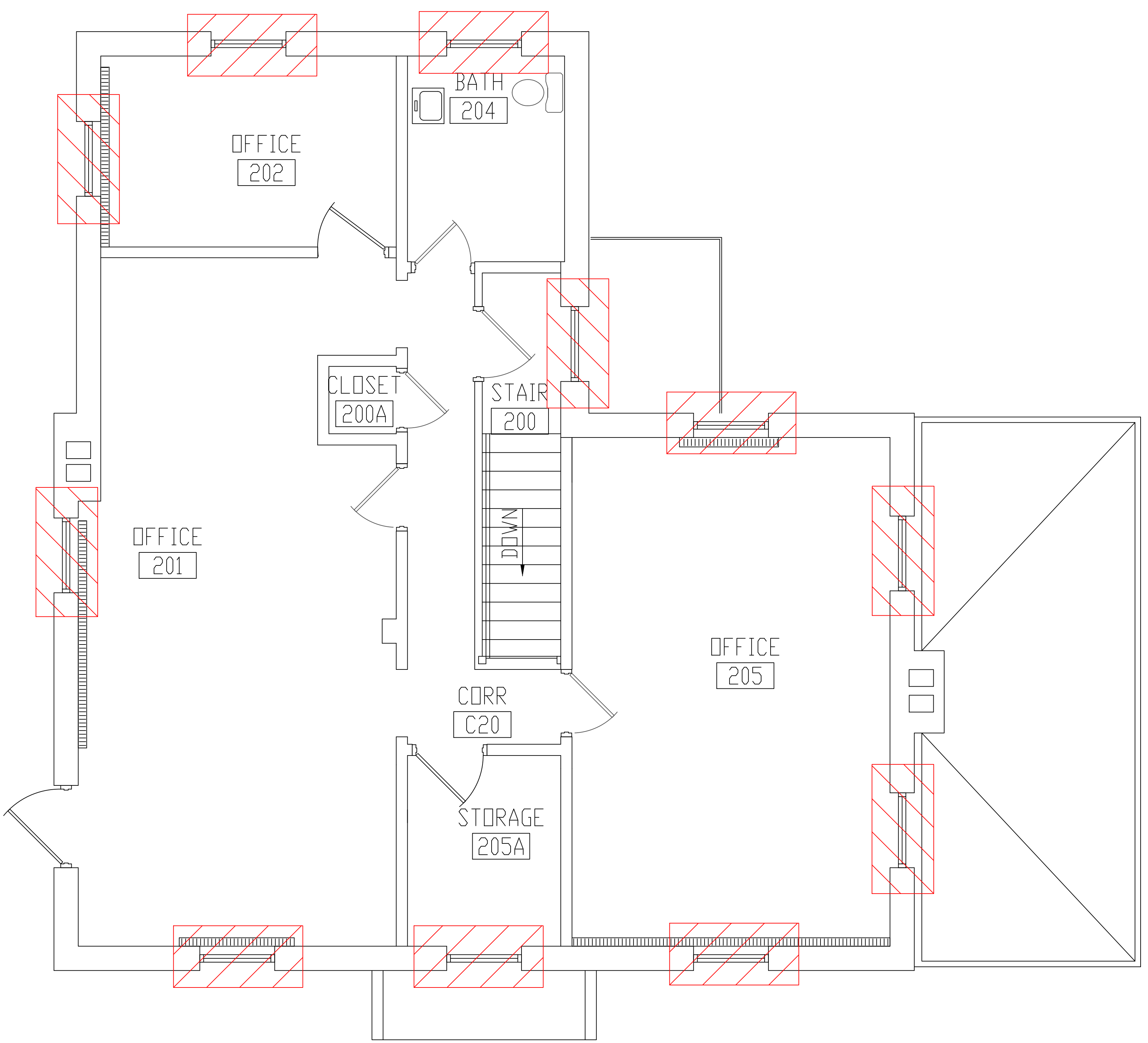
Drawing Title	ARCHITECTURAL PLAN BUILDING 11 Scale: 1/4" = 1'-0"
Approved: Division Chief	
Approved: Service Director	

Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	011	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

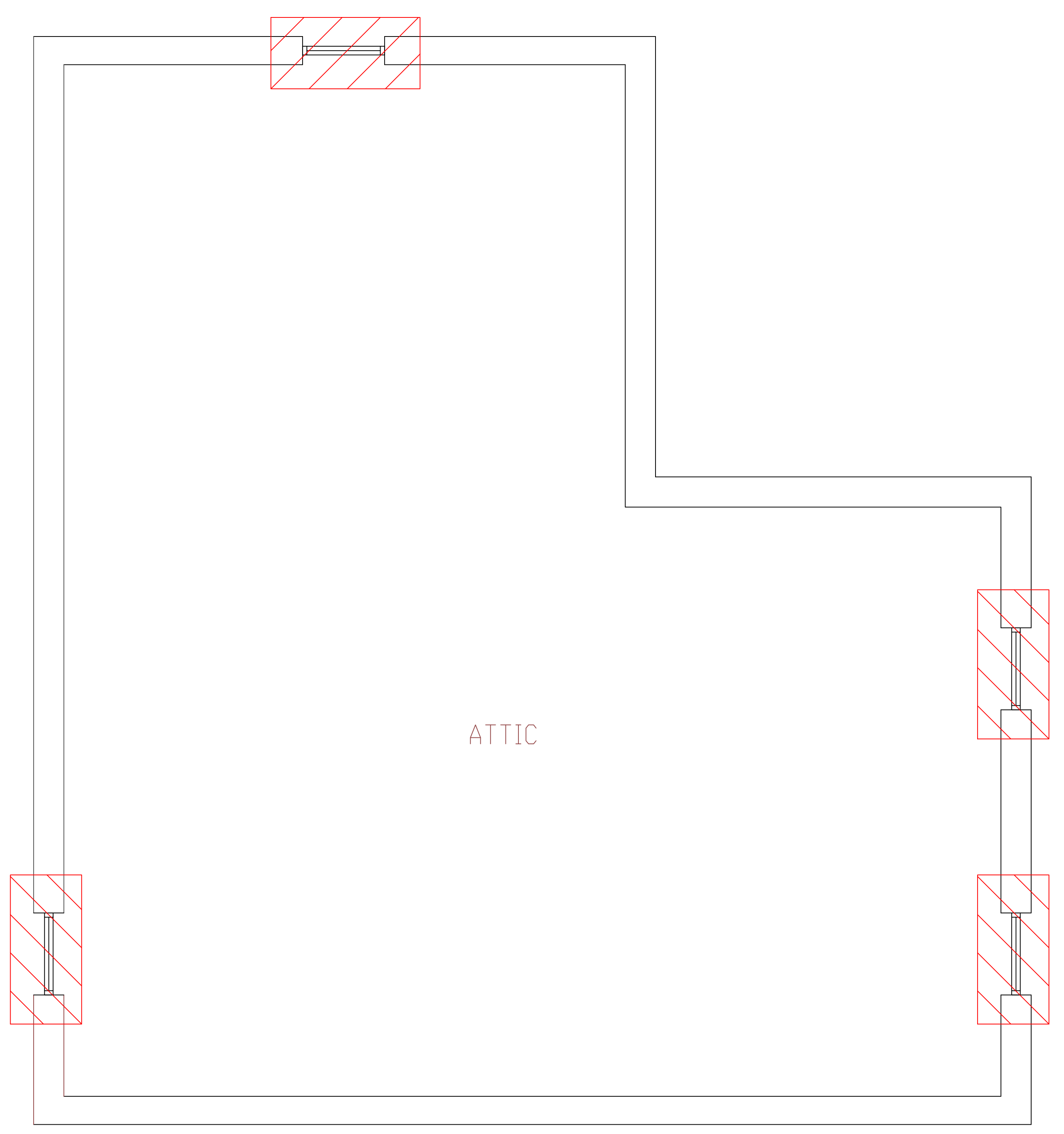
Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	1A
Sheet	30 of 71



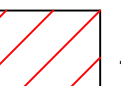
three inches = one foot
 one and one-half inches = one foot
 one inch = one foot
 three-quarters inch = one foot
 one-half inch = one foot
 three-eighths inch = one foot
 one-quarter inch = one foot
 one-eighth inch = one foot



BUILDING #11 - SECOND FLOOR PLAN

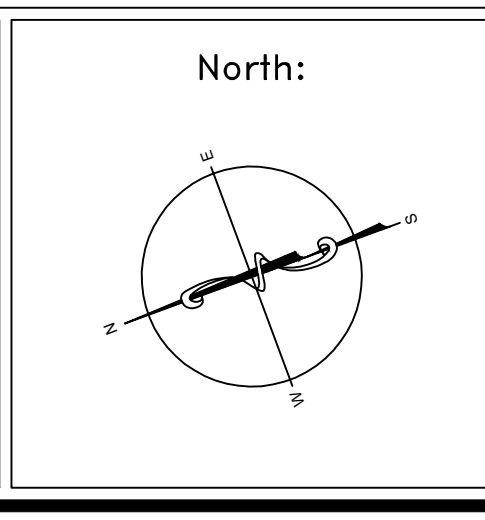


BUILDING #11 - ATTIC FLOOR PLAN

LEGEND
 -ASBESTOS-CONTAINING WINDOW GLAZING

Revisions	Dates

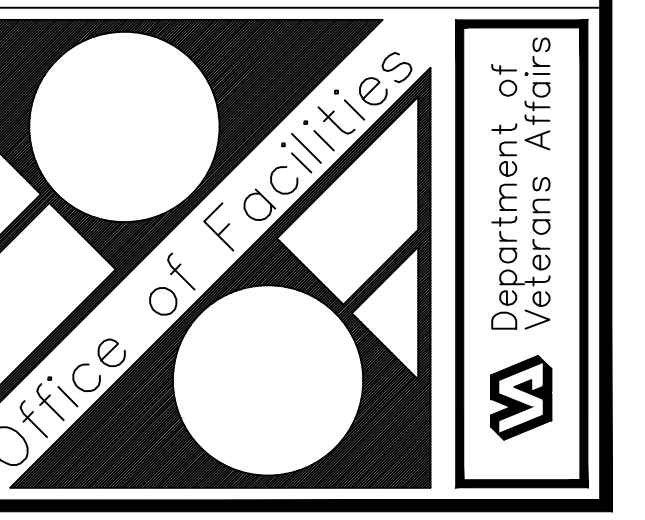
ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
 218-A MECHANIC STREET,
 WATERVILLE, OHIO 43566
 Tel: (567) 952-0212

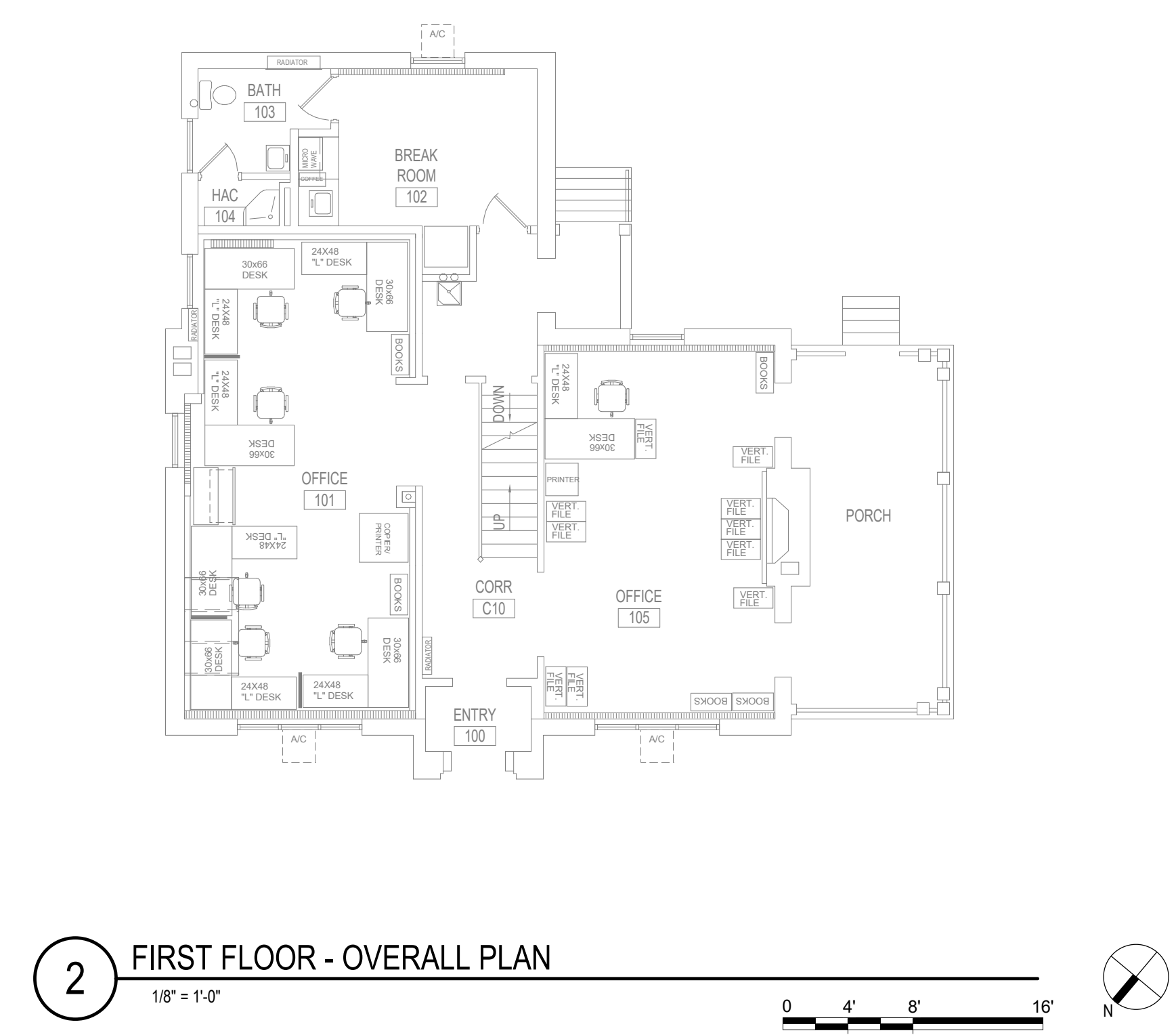
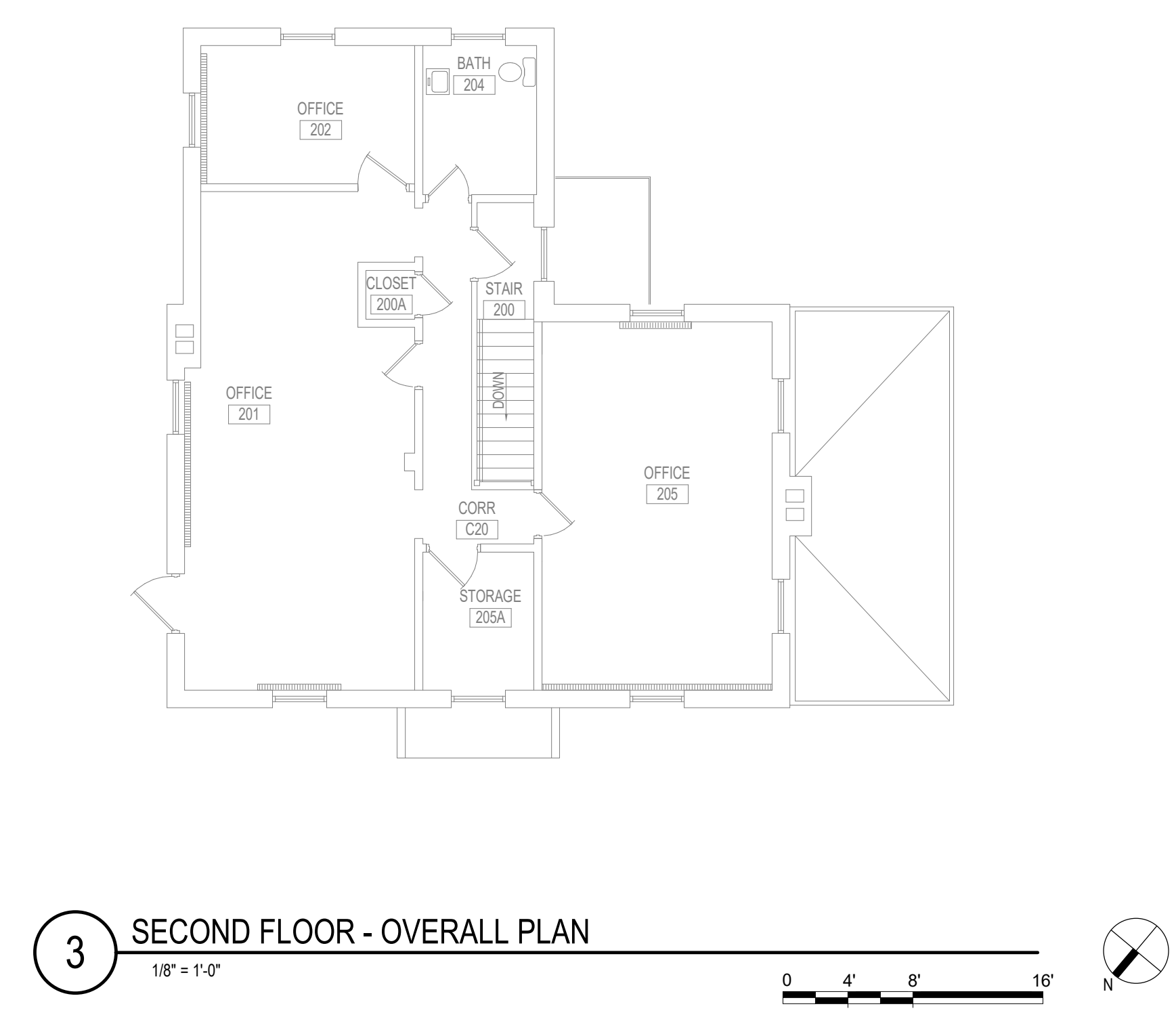
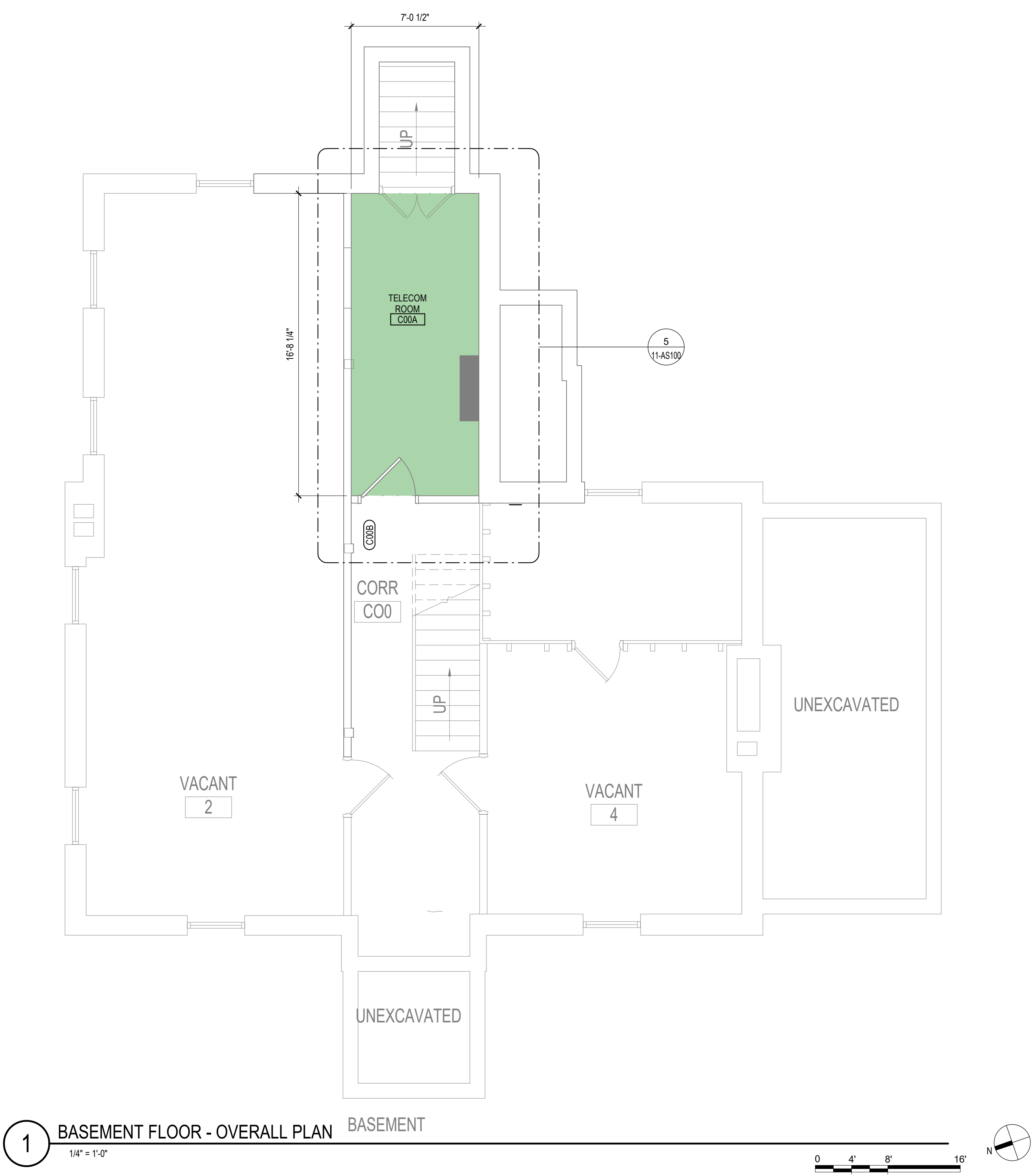


Drawing Title ARCHITECTURAL PLAN BUILDING 11 Scale: 1/4" = 1'-0"
Approved: Division Chief Approved: Service Director

Project Title FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number 011	Checked BLB	Drawn AFS
Location ST. CLOUD, MINNESOTA		

Date NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 2A
Sheet 31 of 71





DEMOLITION PLAN KEYED NOTES

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

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 1/2" 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 CALK.

FL14 PROVIDE UL RATED 1 HOUR HORIZONTAL SHAFT WALL ASSEMBLY AT CEILING TIGHT TO UNDERSIDE OF EXISTING STRUCTURE ABOVE. WHERE EXISTING FINISHES ARE DISTURBED ON PAINTED SURFACES, PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE PARTITION ON INTERIOR SPACES WHERE PATCHING OCCURS. PAINT CEILING TO MATCH ADJACENT FINISH

FL20 TELECOM EQUIPMENT. SEE TELECOM DRAWINGS.

FL21 OVERHEAD LEAK DIVERTER. SEE PLUMBING.

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

REFLECTED CEILING PLAN KEYED NOTES

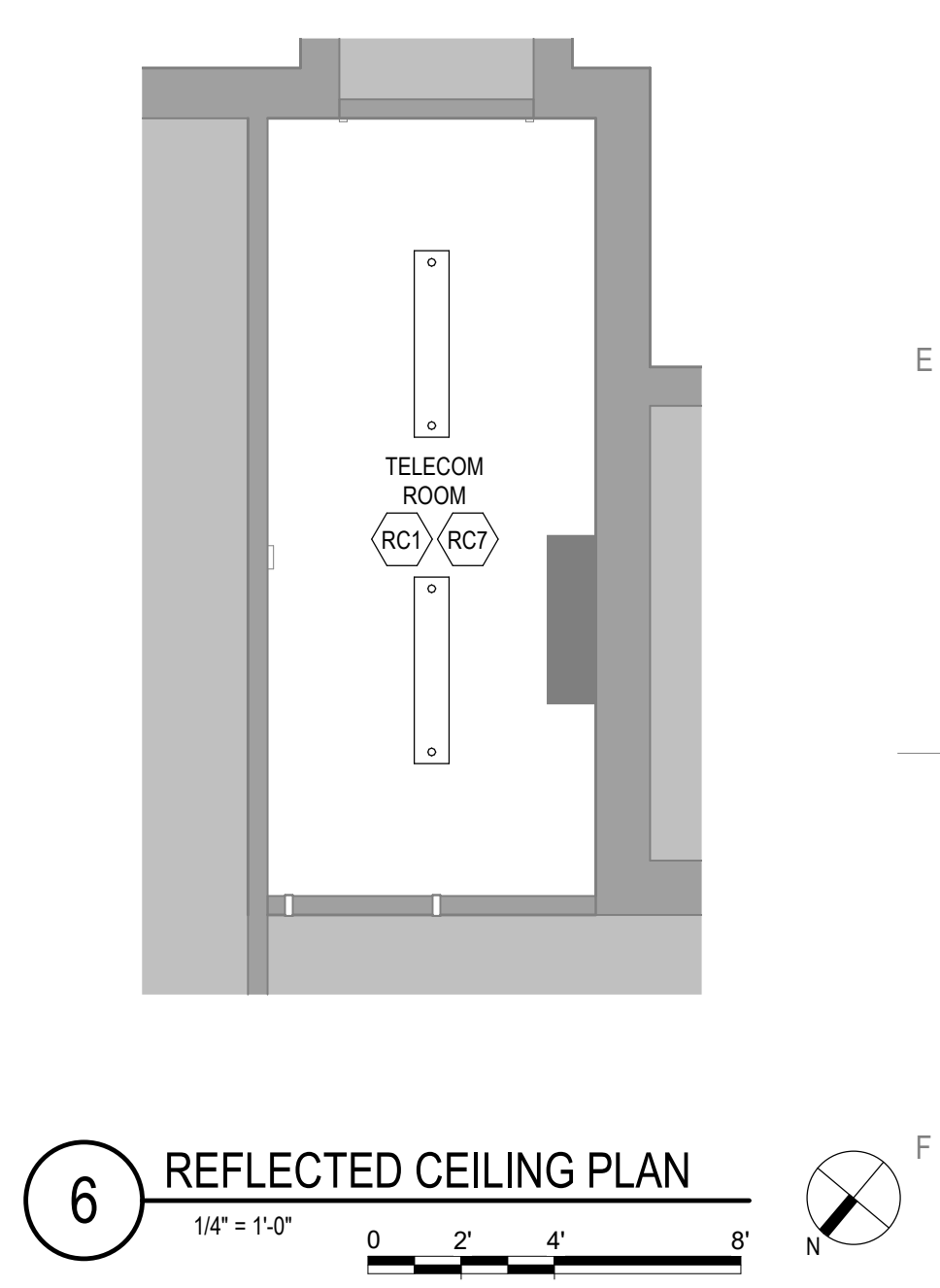
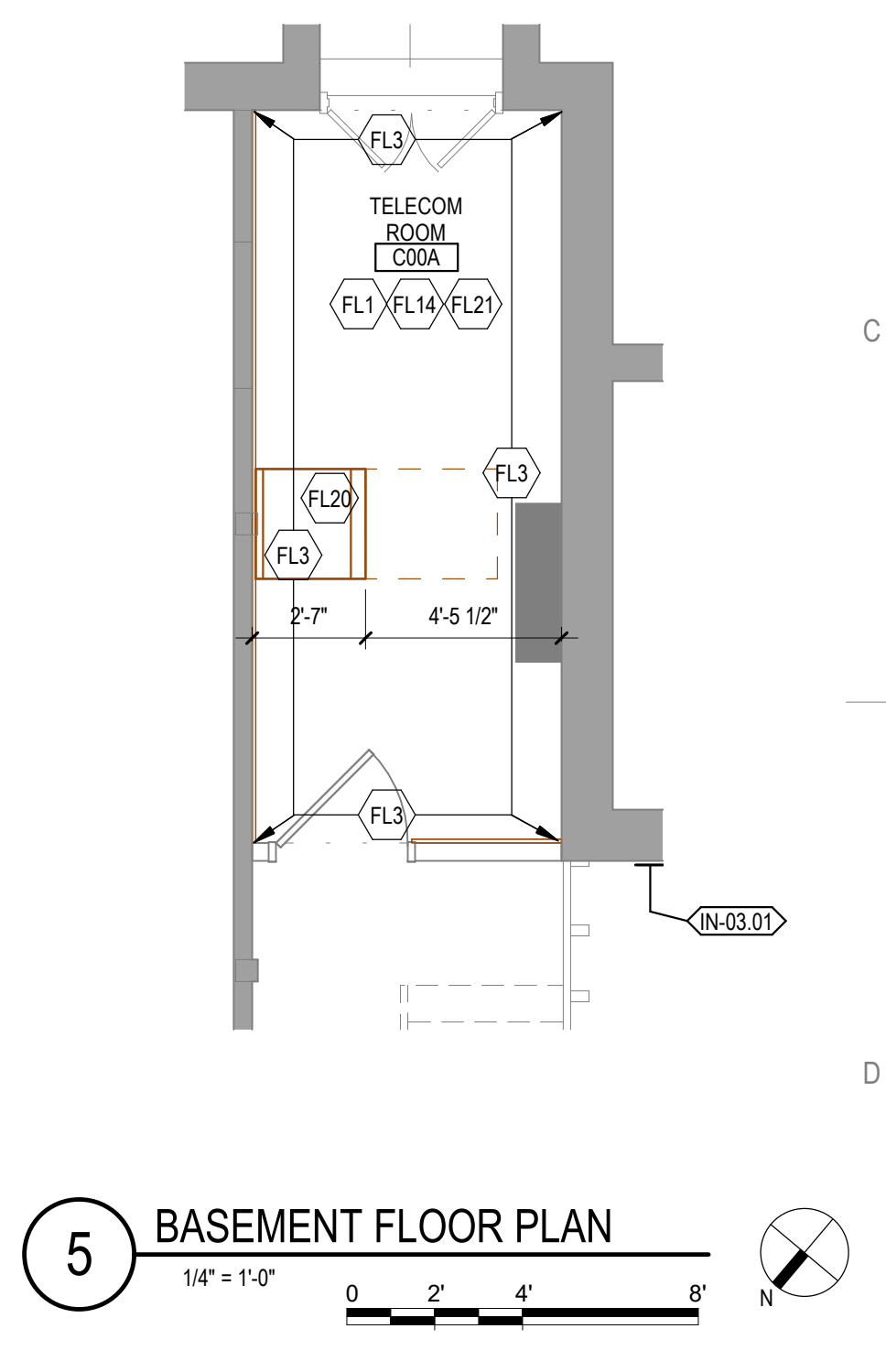
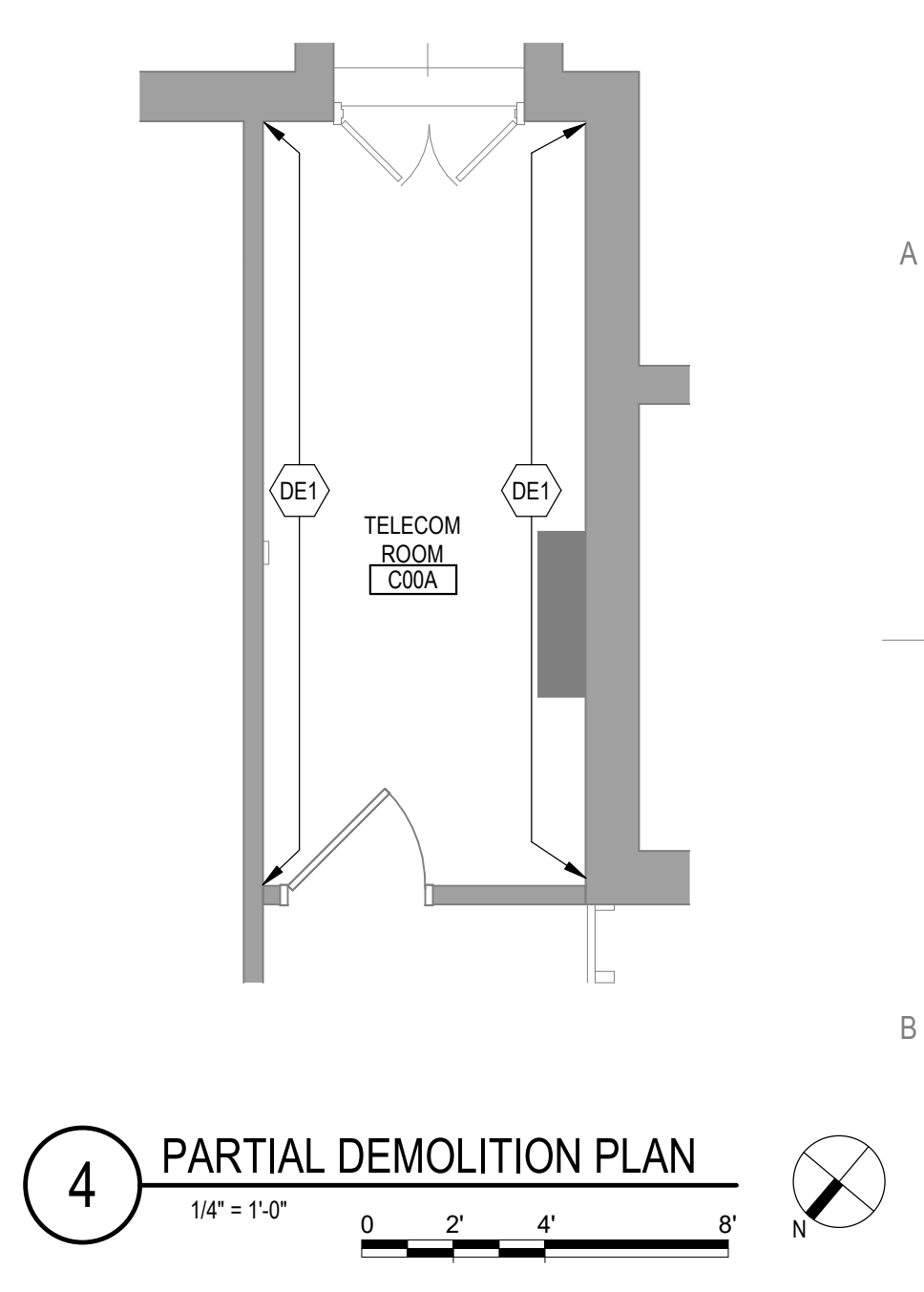
RC1 LED LIGHTING. SEE ELECTRICAL. IN FRONT OF AND BEHIND CABINET ROWS PROVIDE 500 LUMENS IN HORIZONTAL AND 200 LUMENS IN THE VERTICAL AT 3 FT AFF. OPERATED BY MOTION SENSOR PER CABINET ROW OR SECTION.

RC7 RATED CEILING SEE FLOOR PLAN KEYED NOTE 14

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

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.



No	REVISION	DATE

CONSULTANT

AST SES SPECIALIZED ENGINEERING SOLUTIONS

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

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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STAMP

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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
656-21-235

BUILDING No
11

CHECKED BY
EM

DRAWN BY
EM

DRAWING No
11-AS100

LOCATION
VA MEDICAL CENTER ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF

VA

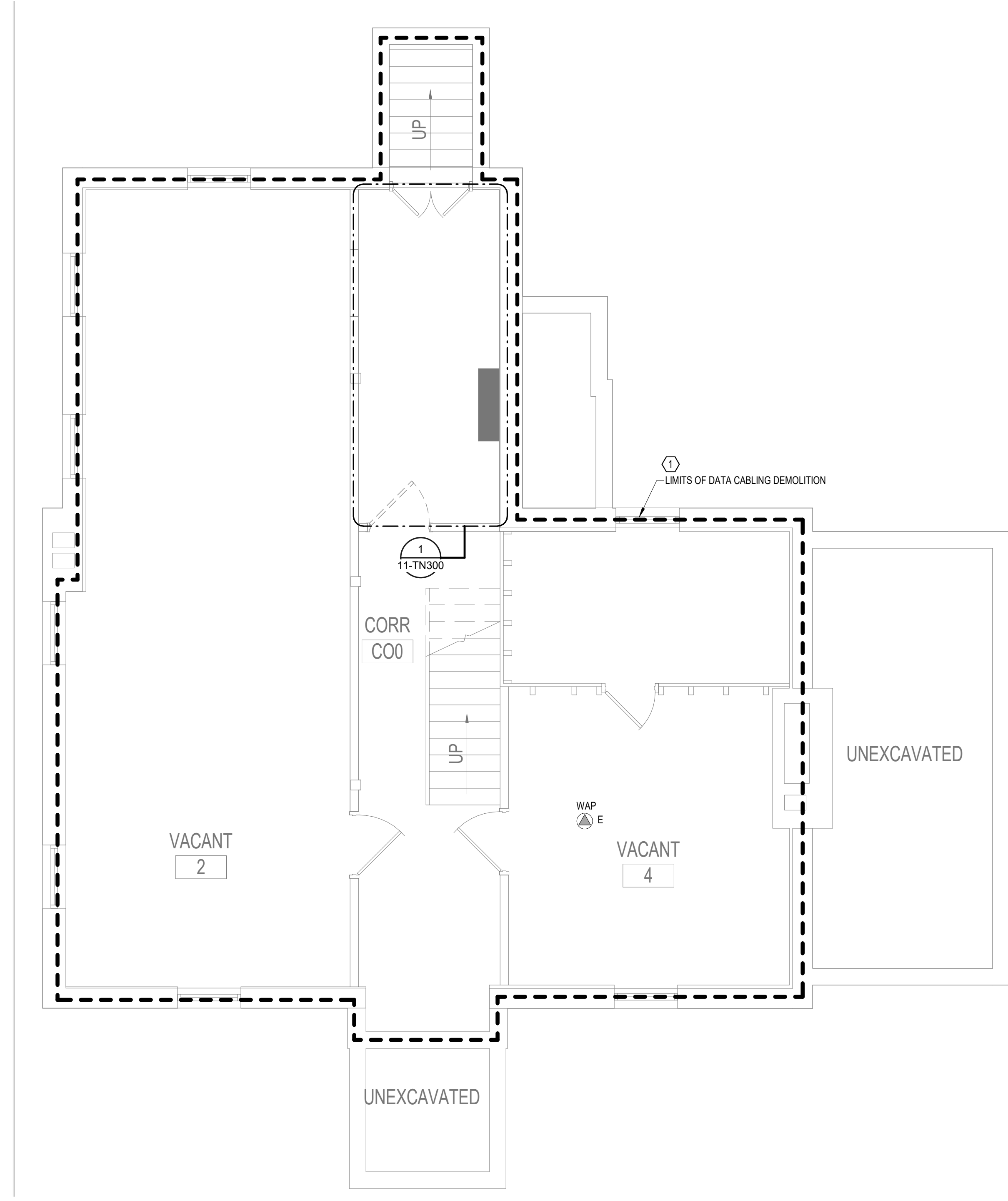
U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System

GENERAL NOTES:
 A. REFER TO GENERAL DEMOLITION NOTES ON SHEET 1000 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 - ELECTRICAL - DEMOLITION
 1/4" = 1'-0"

5/11/2022 3:53:31 PM
 BIM 360://21102.001 - VA St Cloud EHRM Infrastructure Upgrades/656-235.B11.T_R21.rvt

No.	REVISION	DATE

CONSULTANT

SPECIALIZED ENGINEERING SOLUTIONS
 10360 Illinois Circle
 Omaha, NE 68134
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ARCHITECT/ENGINEER OF RECORD

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 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
 Nathan M. Timm

DRAWING TITLE
 BASEMENT FLOOR PLAN - TELECOM - DEMOLITION

PROJECT FILE
 EHRM INFRASTRUCTURE UPGRADES

DATE
 03/30/2022

PLOT SCALE
 AS SHOWN

PROJECT NO.
 656-21-235

DRAWING NO.
 11-TD100

BUILDING No.
 11

CHECKED BY
 KSB

DRAWN BY
 SSK

LOCATION
 VA MEDICAL CENTER
 ST. CLOUD, MN 56303

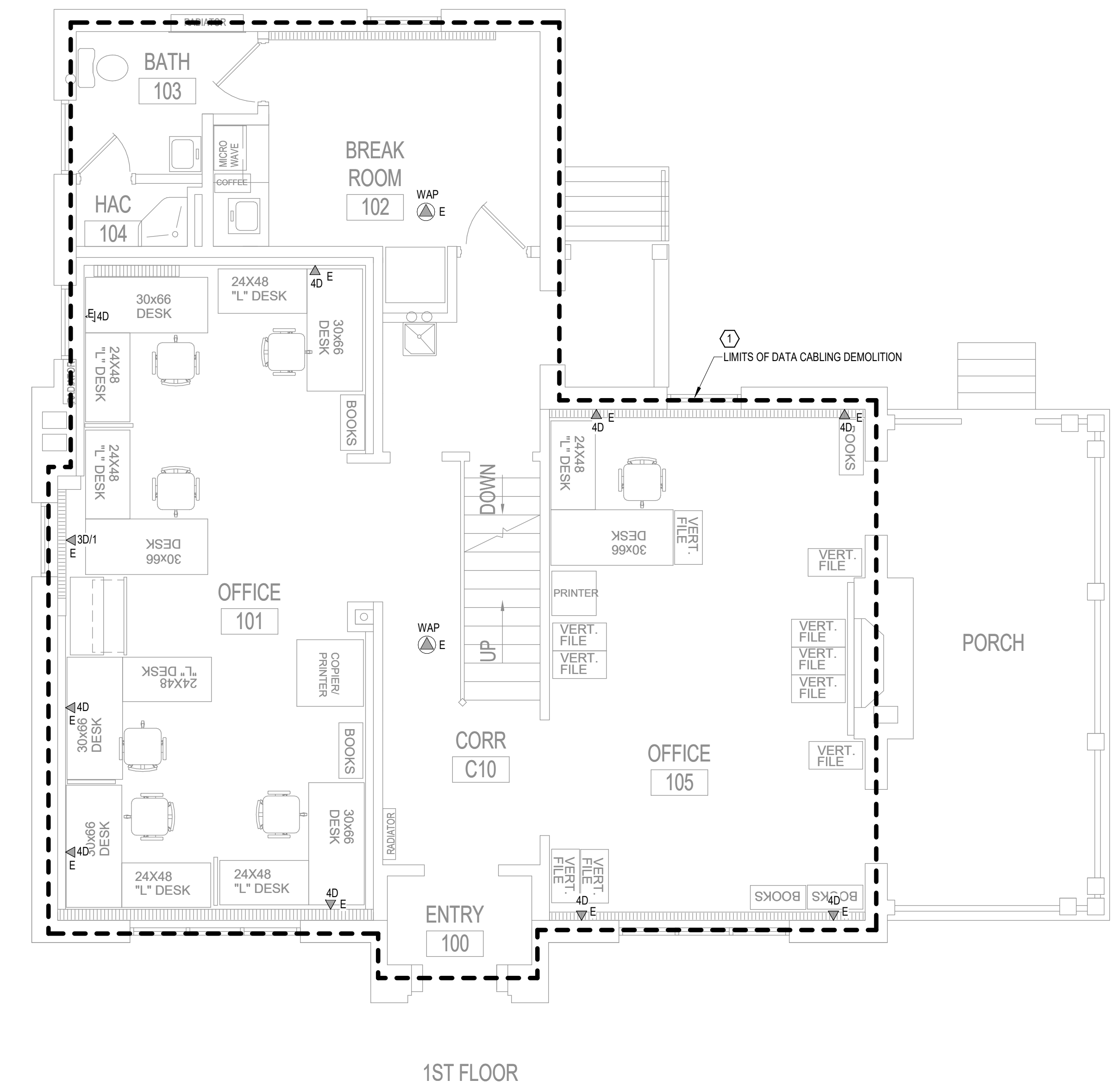
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DWG. OF

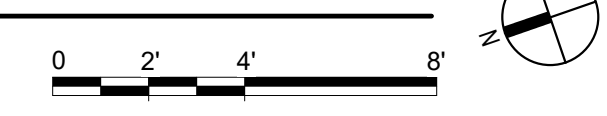
U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System

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

SHEET NOTES:
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1 FIRST FLOOR PLAN - TELECOM - DEMOLITION
 1/4" = 1'-0"



5/11/2022 3:53:32 PM BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-B11.T_R21.rvt


No.	REVISION	DATE

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 Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP



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

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

DRAWING NO.
11-TD110

BUILDING No.
11

CHECKED BY
KSB

DRAWN BY
SSK

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

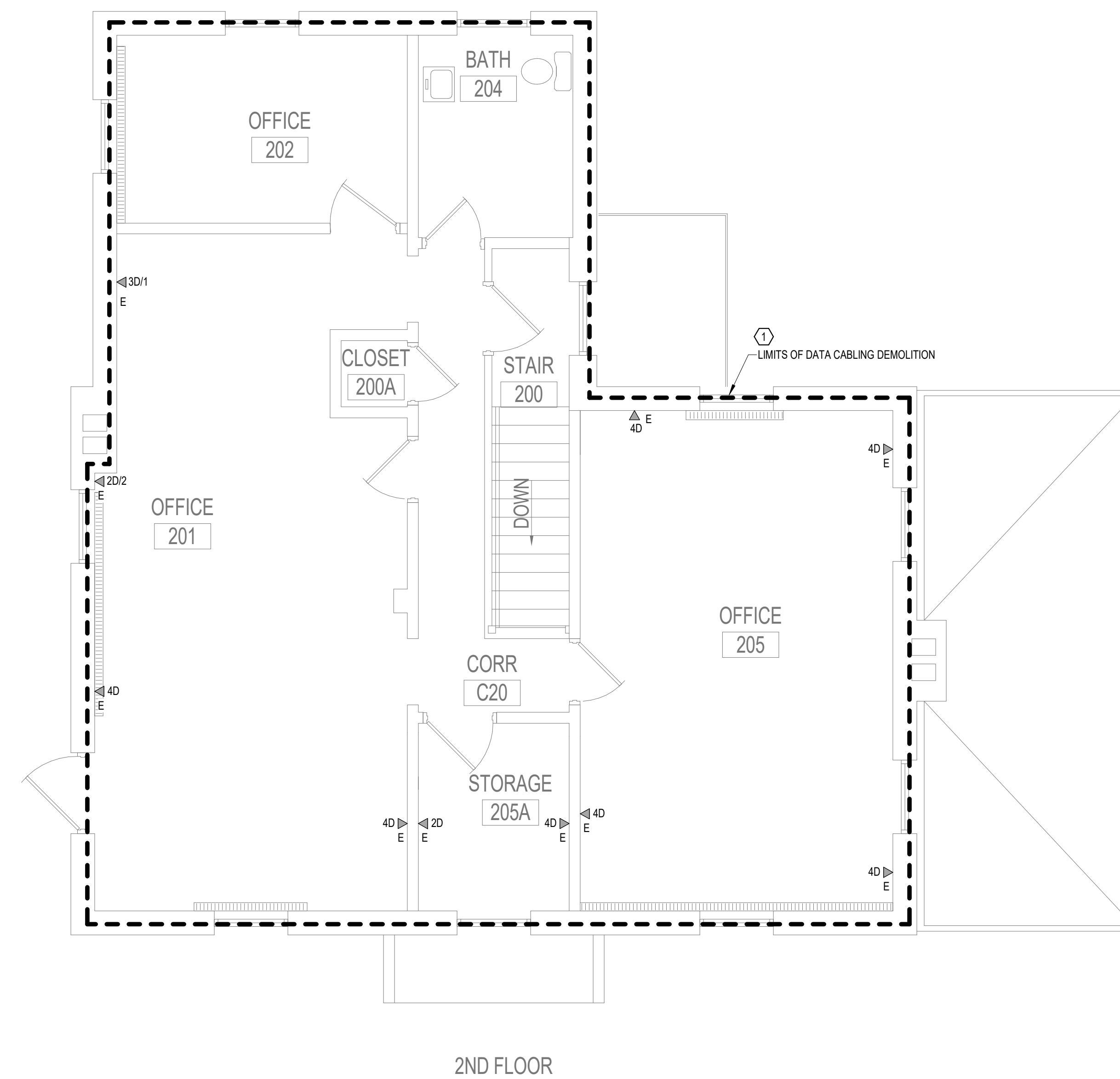
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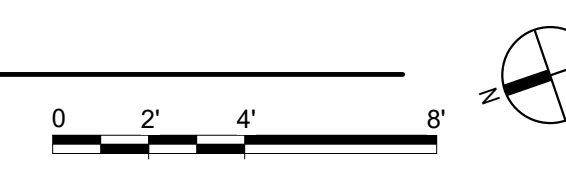
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 A. REFER TO GENERAL DEMOLITION NOTES ON SHEET T000 FOR ADDITIONAL DEMOLITION SCOPE.

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.



2ND FLOOR

1 SECOND FLOOR PLAN - TELECOM - DEMOLITION
 1/4" = 1'-0"



5/11/2022 3:53:34 PM
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No.	REVISION	DATE

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

DRAWING TITLE
 SECOND FLOOR PLAN - TELECOM - DEMOLITION

PROJECT FILE
 EHRM INFRASTRUCTURE UPGRADES

DATE
 03/30/2022

PLOT SCALE
 1/4" = 1'-0"

PROJECT NO.
 656-21-235

DRAWING NO.
 11-TD120

BUILDING No.
 11

CHECKED BY
 KSB

DRAWN BY
 SSK

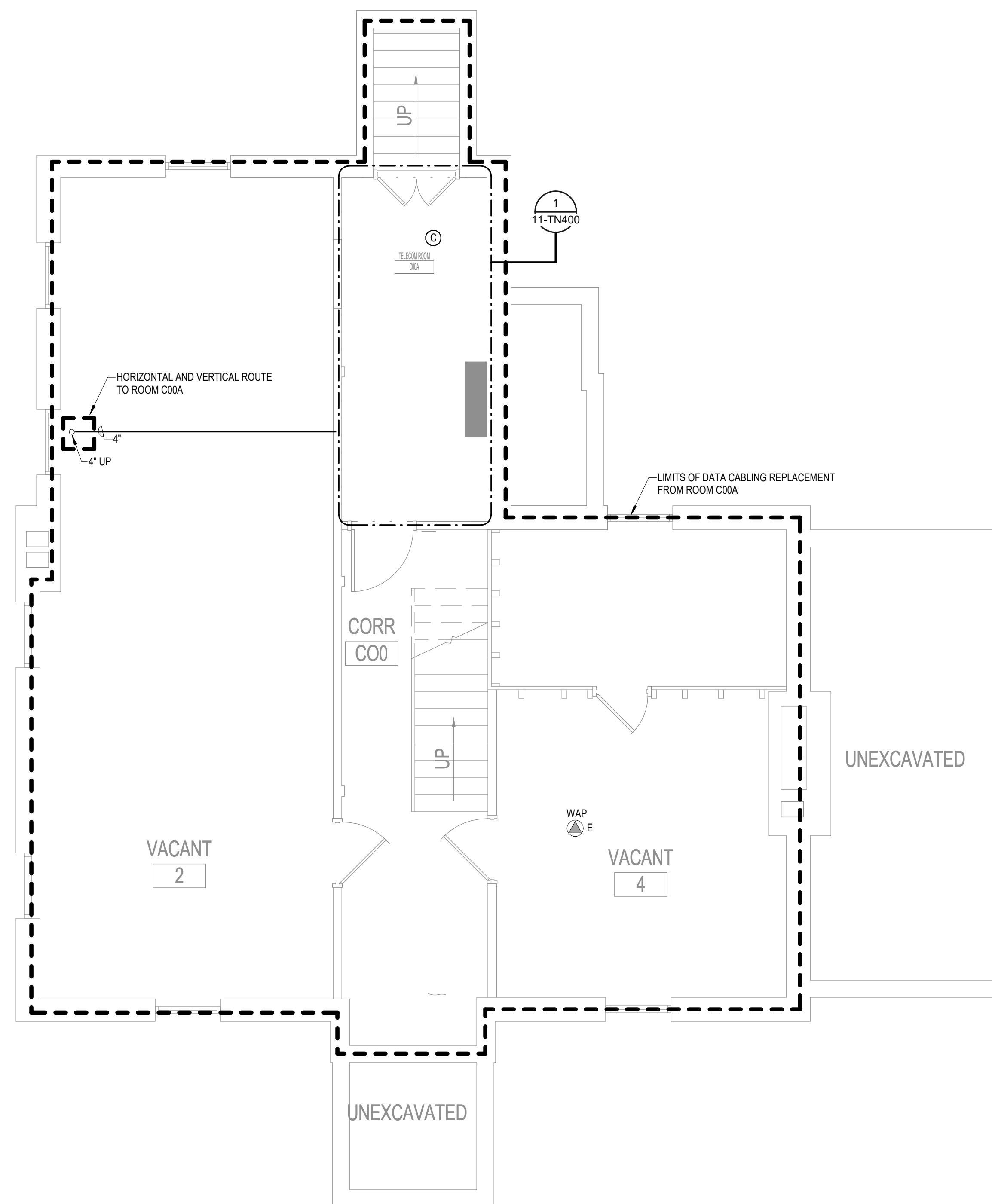
LOCATION
 VA MEDICAL CENTER
 ST. CLOUD, MN 56303

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 BASEMENT FLOOR PLAN - TELECOMMUNICATIONS
 1/4" = 1'-0"
 0 2' 4' 8'

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 BICSI ID # 346555
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 Nathan M. Timm

DRAWING TITLE

BASEMENT FLOOR PLAN - TELECOMMUNICATIONS

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE

PROJECT NO.
656-21-235

DRAWING NO.
11-TN100

BUILDING No.
11

CHECKED BY
KSB

DRAWN BY
SSK

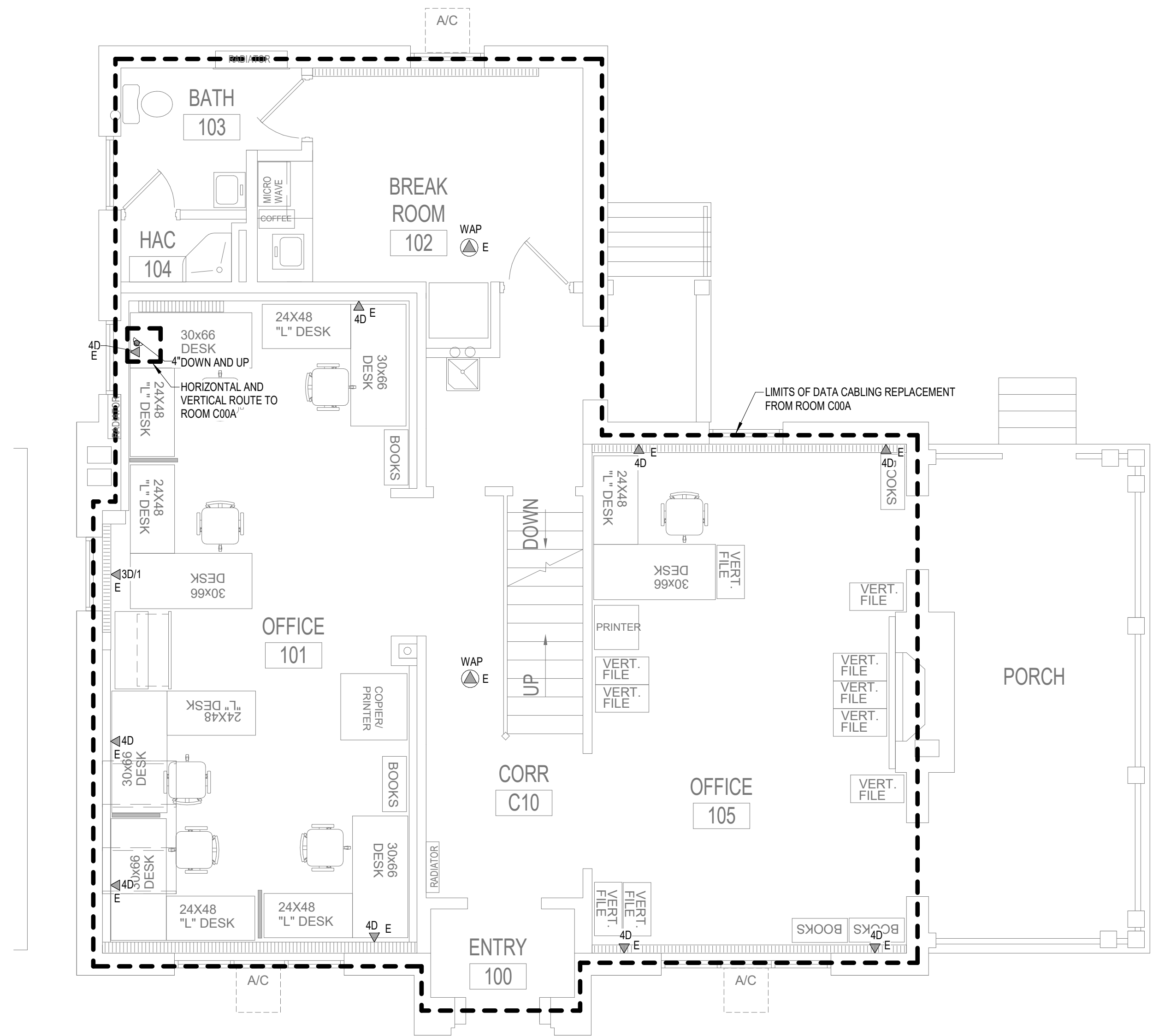
LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

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.



1ST FLOOR

1 FIRST FLOOR PLAN - TELECOMMUNICATIONS
 1/4" = 1'-0"



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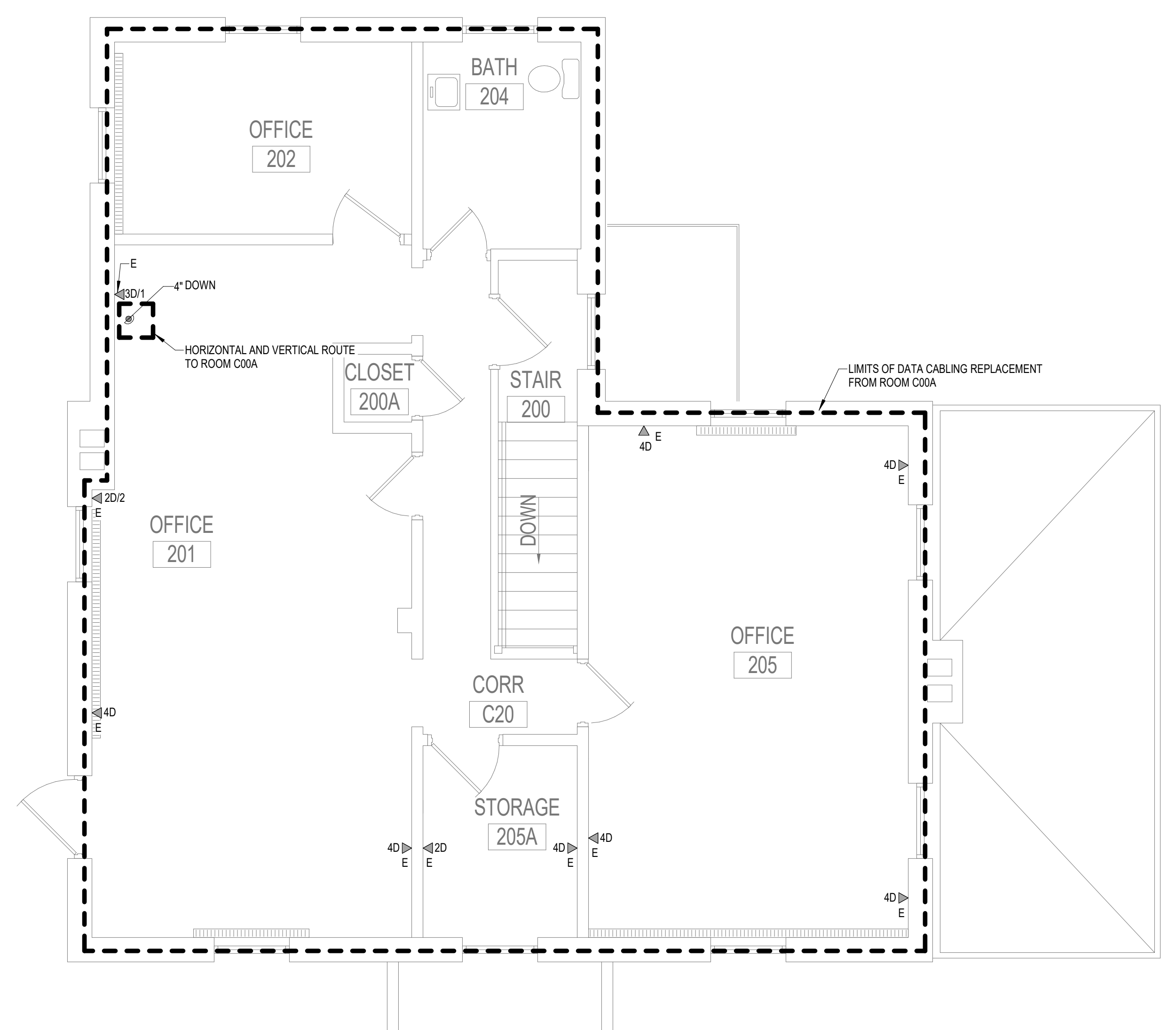
Bicsi
 Nathan Timm
 BICS1 ID # 346555
 Expires 12-31-24
 Nathan M. Timm

DRAWING TITLE
 FIRST FLOOR PLAN - TELECOMMUNICATIONS

PROJECT FILE EHRM INFRASTRUCTURE UPGRADES	DATE 03/30/2022
BUILDING No. 11	DESIGNED BY KSB
DRAWN BY SSK	DRAWING NO. 11-TN110
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	FULLY SPRINKLERED DWS OF

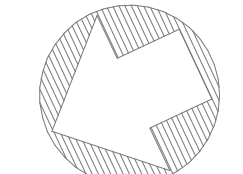
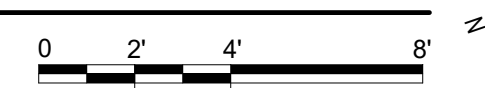
U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System

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



2ND FLOOR

1 SECOND FLOOR PLAN - TELECOMMUNICATIONS
1/4" = 1'-0"

NORTH 
0 2' 4' 8' 

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BICS1 ID # 346555
Expires 12-31-22
Nathan M. Timm

DRAWING TITLE

SECOND FLOOR PLAN - TELECOMMUNICATIONS

PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
PLOT SCALE	
PROJECT NO.	656-21-235
DRAWING NO.	11-TN120
BUILDING No.	11
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

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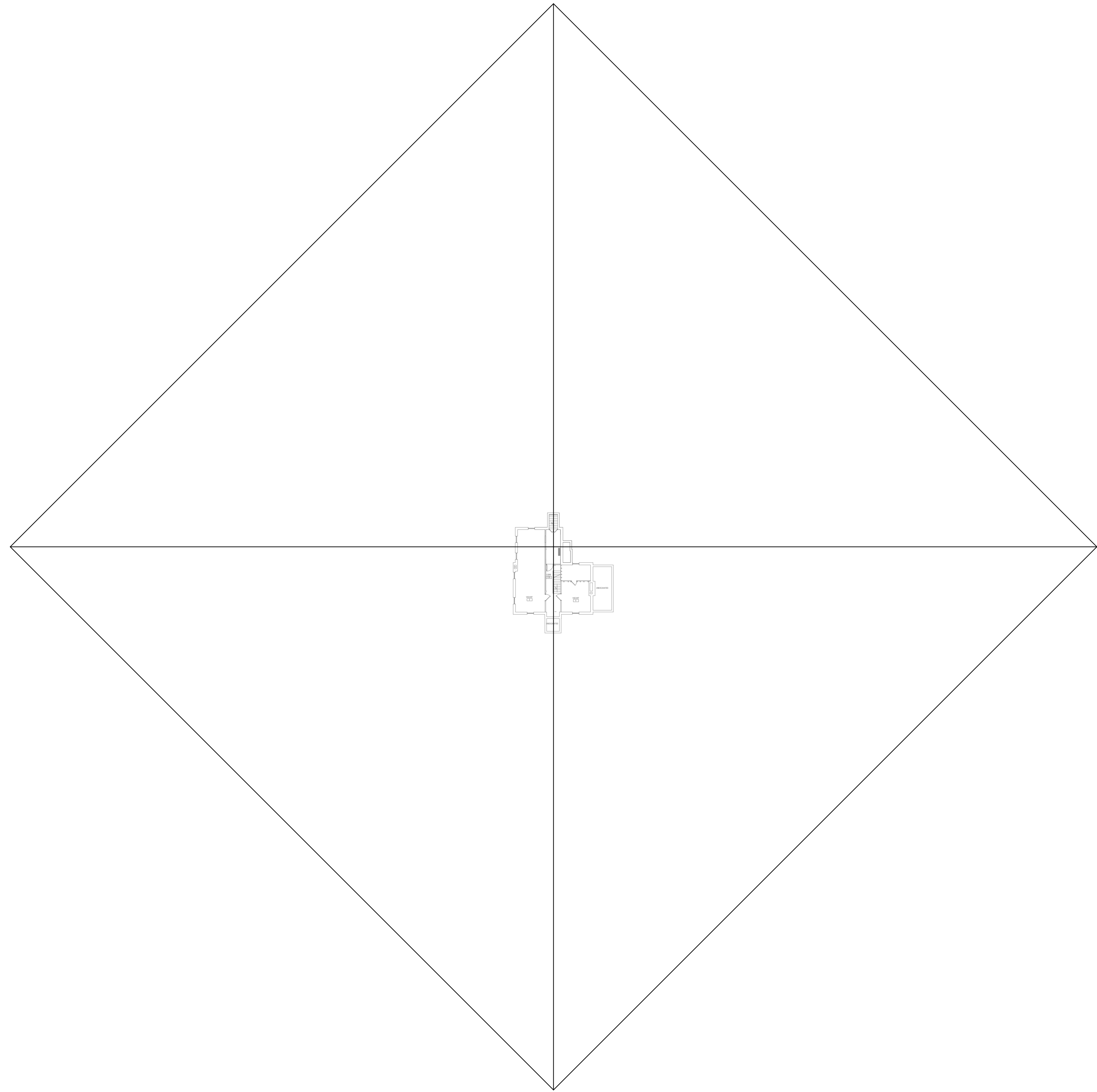
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C

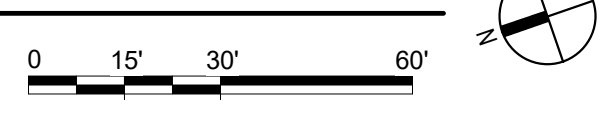
D

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



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 Expires 12-31-24
 Nathan M. Timm

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BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE

PROJECT NO.
656-21-235

DRAWING NO.
11-TN200

BUILDING NO.
11

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LOCATION
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GENERAL NOTES:

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

SHEET NOTES:

- EXISTING TELECOMMUNICATIONS CAGE AND RACK SHALL BE INCLUDED WITHIN THE SCOPE OF DEMOLITION. EXISTING CABLING AND ASSOCIATED OUTLETS SHALL BE REMOVED AND REPLACED 1 FOR 1 AND REFEED FROM DISTRIBUTION EQUIPMENT LOCATED WITHIN THE NEW TELECOMMUNICATIONS ROOM. REFER TO GENERAL CABLING NOTES FOR APPROXIMATE QUANTITIES. REFER TO NEW WORK PLANS FOR SERVING COMMUNICATIONS ROOM LOCATION AND NEW CABLING ROUTES.
- EXISTING DATA CABINET TO BE REPLACED WITH NEW EHRM TE.

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.

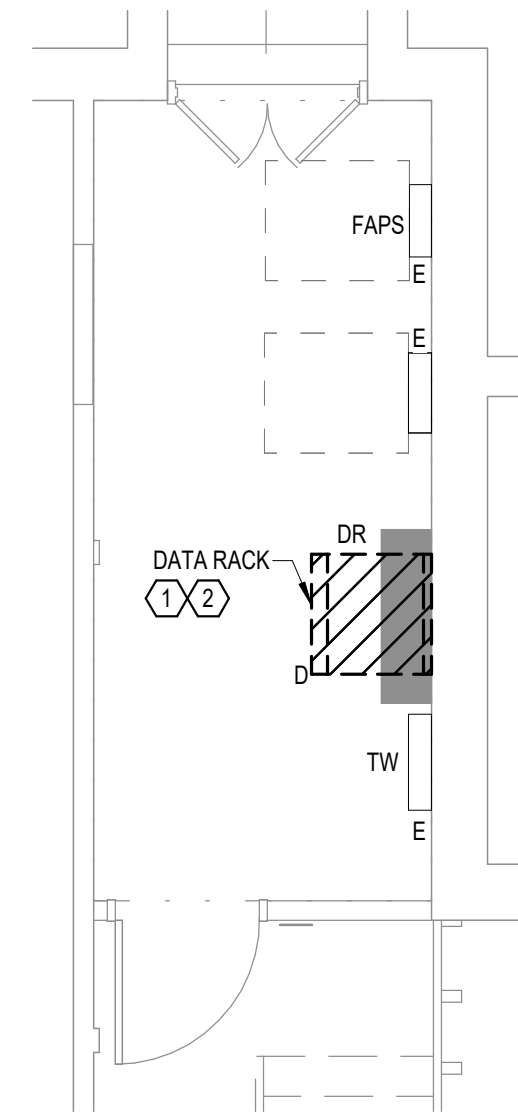
1. ROOM C00A

EXISTING CABLE COUNT
 DATA (CAT6): 0
 DATA (CAT5e): 57
 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): 0
 DATA (CAT5e): 0
 DATA (CAT5): 0
 DATA (CAT3): 0

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



1 ENLARGED PLAN - EXIST RM C00A - TELECOM - DEMO
 1/4" = 1'-0"
 0 2' 4' 8'

5/11/2022 3:53:41 PM

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

DRAWING TITLE

ENLARGED PLANS - TELECOMMUNICATIONS - DEMO

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE

PROJECT NO.
656-21-235

DRAWING NO.
11-TN300

BUILDING No.
11

CHECKED BY
KSB

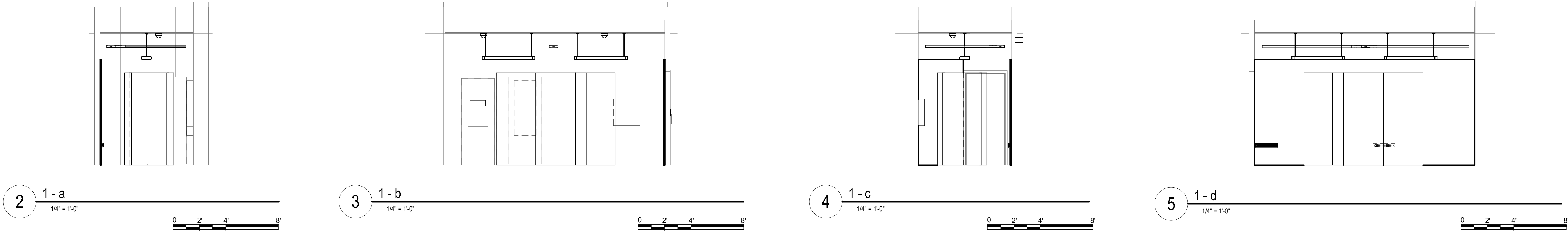
DRAWN BY
SSK

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF

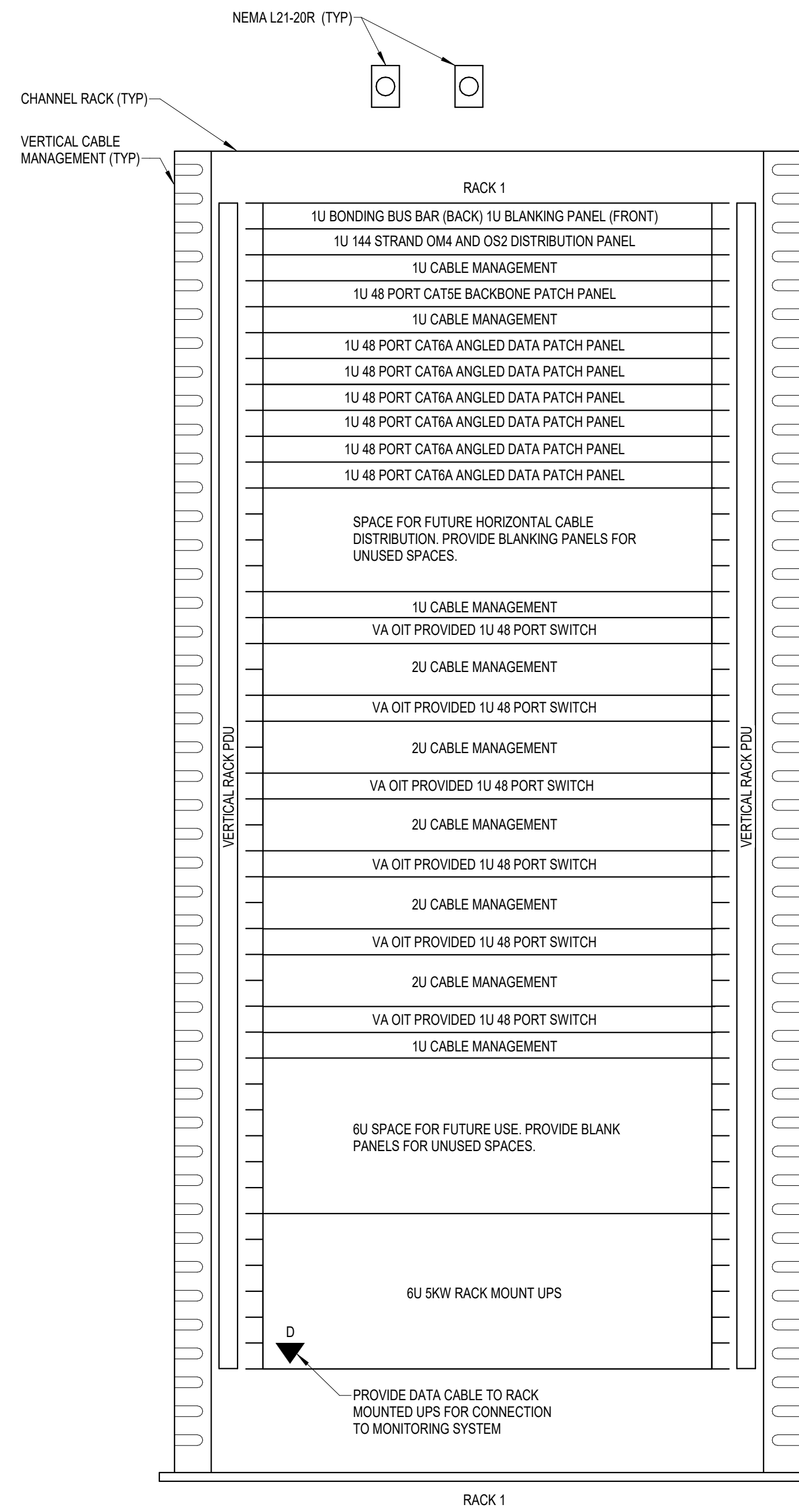
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 Veterans Health Administration
 St. Cloud VA Health Care System



GENERAL NOTES:
 A. REFER TO GENERAL NOTES ON SHEET T100 FOR ADDITIONAL SCOPE.

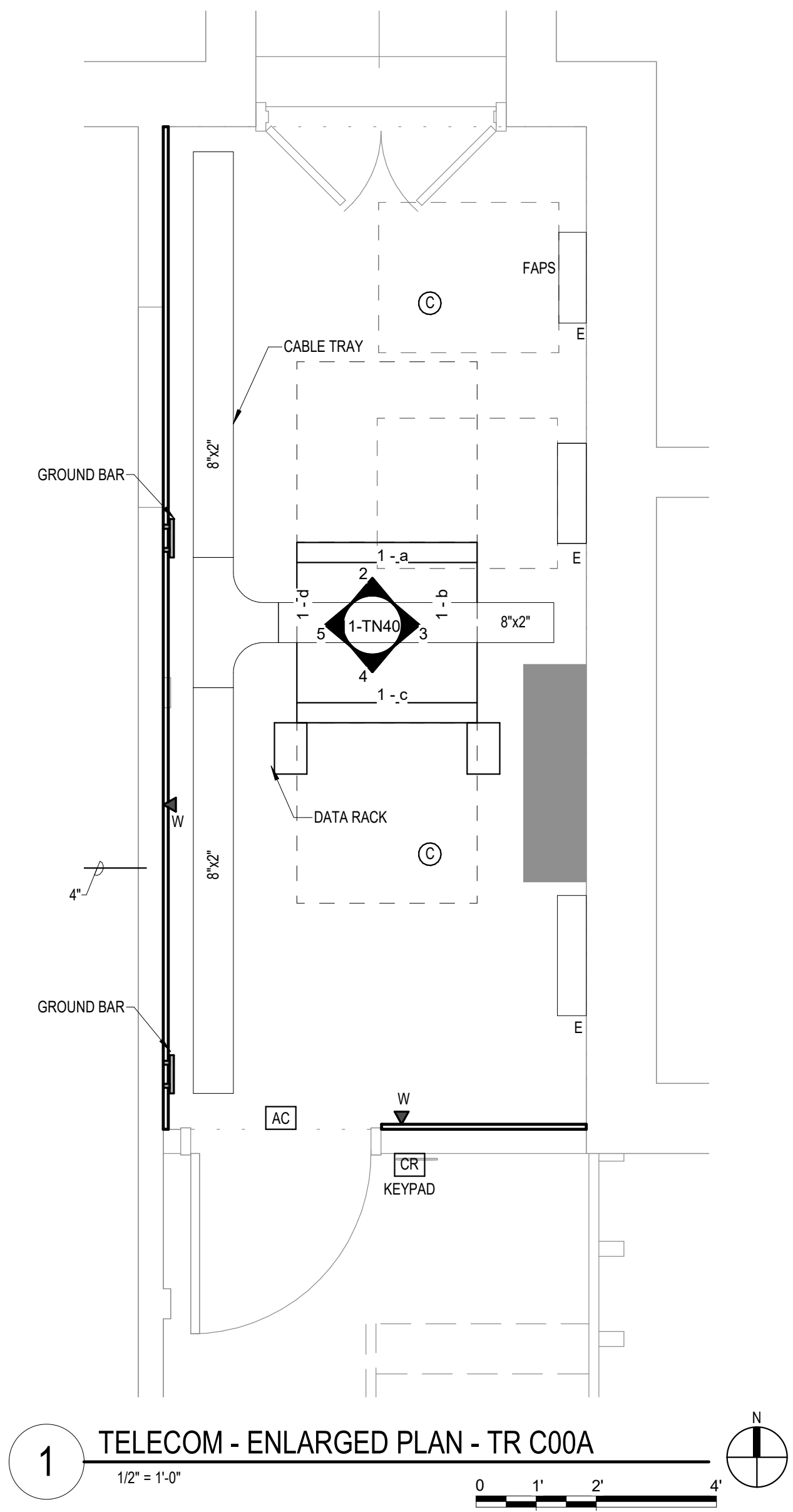
CABLING NOTE:
 CABLING NOTES:
 A. THE EXISTING CABLE COUNT ARE THE CABLES CURRENTLY PRESENT IN THE SPACE.
 THE CABLE RELOCATION COUNT ARE THE NEW OR RELOCATED CABLES TO BE FED
 FROM THE SPACE. THE FINAL CABLE COUNT ARE THE CABLES THAT WILL BE
 PRESENT IN THE SPACE AT THE COMPLETION OF THE PROJECT.

1. ROOM C00A
- EXISTING CABLE COUNT
 DATA (CAT6): 0
 DATA (CAT5e): 57
 DATA (CAT3): 0
 DATA (CAT3): 0
- CABLE RELOCATION COUNT
 DATA (CAT6): 0
 DATA (CAT5e): 0
 DATA (CAT3): 0
 DATA (CAT3): 0
- EXISTING CABLE TO REMAIN
 DATA (CAT6): 0
 DATA (CAT5e): 0
 DATA (CAT3): 0
 DATA (CAT3): 0
- FINAL CABLE COUNT
 DATA (CAT6): 57
 DATA (CAT3): 0



- 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 SIFT 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 C00A
 NOT TO SCALE



1 TELECOM - ENLARGED PLAN - TR C00A
 1/2" = 1'-0"

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

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ENLARGED PLANS - TELECOMMUNICATIONS

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE 03/30/2022

PLOT SCALE

PROJECT NO. 656-21-235

DRAWN BY SSK

CHECKED BY KSB

DATE 03/30/2022

ISSUED BY SSK

PROJECT NO. 656-21-235

LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303

DATE 03/30/2022

SCALE FULLY SPRINGFIELD

DWG. OF

VA

U.S. Department of Veterans Affairs

Veterans Health Administration

St. Cloud VA Health Care System

A

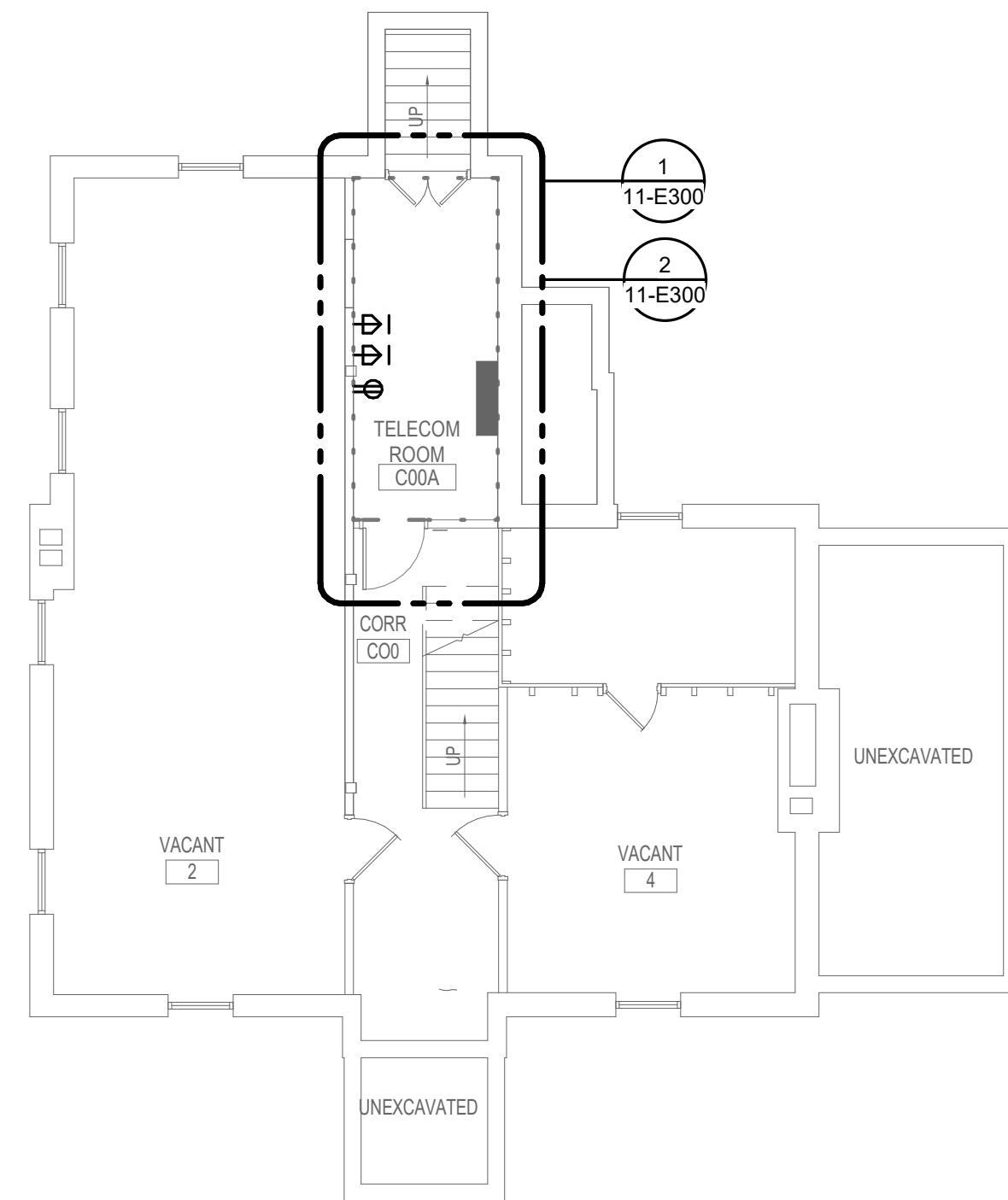
B

C

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E

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

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06-06-2022

DRAWING TITLE
BASEMENT - ELECTRICAL

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

BUILDING No.
11

CHECKED BY
TBD

DRAWN
G.J.L.

DRAWING NO.
11-E200

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

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DWG. OF

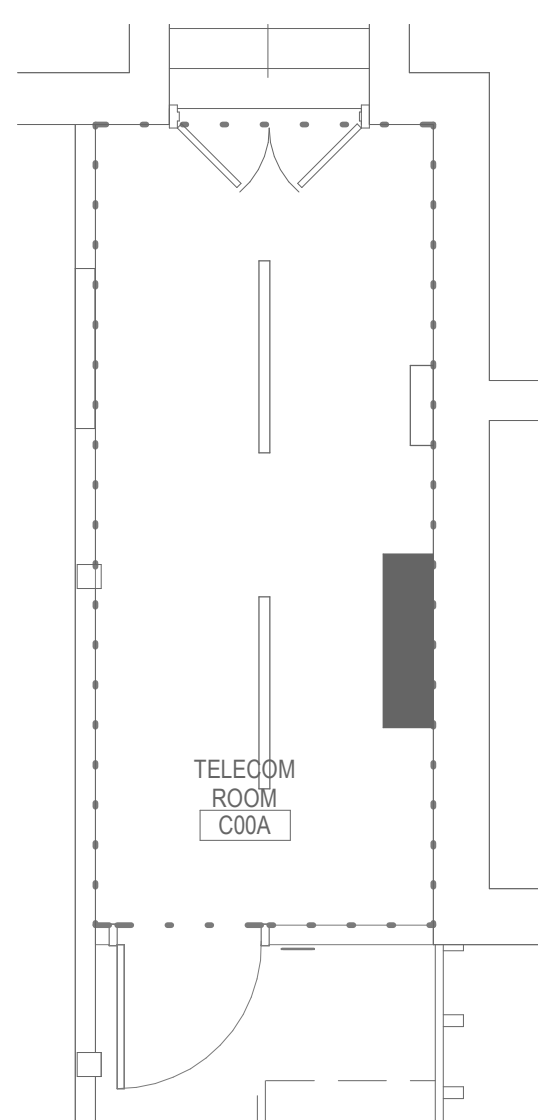
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SHEET NOTES:

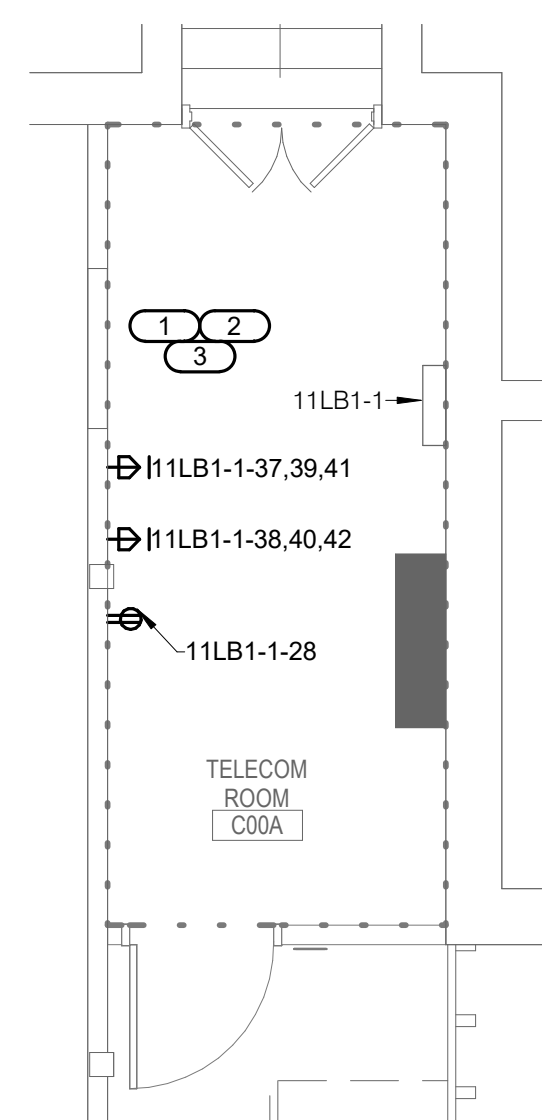
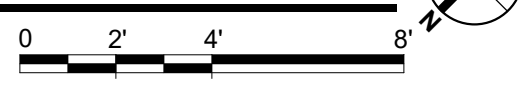
- REFER TO TECHNOLOGY PLANS FOR IT ROOM LAYOUT AND RACK LAYOUT/DETAILS.
- REFER TO SHEET 0-GE400 DETAIL LAYOUT & ONE-LINE OF RACK.

KEYNOTES: (#)

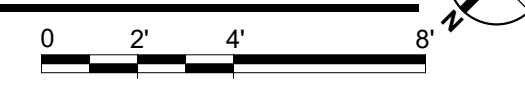
- COORDINATE FINAL LOCATION OF RECEPTACLE L21-20R WITH TELECOM CONTRACTOR. PROVIDE 3/4" C-4#12, 1#12 GND TO PANEL FOR EACH RECEPTACLE.
- PROVIDE EATON BLADEUPS, 5KW, 120/208V, 3-PHASE, 4-WIRE RACK MOUNTED UPS FOR EACH RACK TOWER.
- PROVIDE APC/AP8661 RACK PDU 2G WITH L21-20P CORD, (120/208V, 3-PHASE, 20A, ZERO U, 5.7 KW, 208V, 136) C 13 (6) C 19 (2) 5-20R OUTLETS. PROVIDE TWO PER RACK, MOUNTED PER MANUFACTURER'S REQUIREMENTS.



1 BASEMENT ENLARGED - C00A - LIGHTING
1/4" = 1'-0"



2 BASEMENT ENLARGED - C00A - POWER & SYSTEM
1/4" = 1'-0"



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ELECTRICAL ENLARGED PLANS

PROJECT TITLE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
PROJECT NO.	PLOT SCALE
656-21-235	
BUILDING No.	CHECKED BY
11	TBD
DRAWN	DRAWING NO.
GJL	11-E300
LOCATION	FULLY SPRINKLERED
VA MEDICAL CENTER ST. CLOUD, MN 56303	DWG. OF

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

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EXISTING PANEL 11LB1-1

<p>MOUNTING: SURFACE ENCLOSURE: NEMA PB 1 FED FROM: 0 AWP @ LOCATION: TELECOM ROOM C00A</p>	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>SOLID NEUTRAL GROUND BUS</p> </div>	<p>MAIN: 100 A MCB VOLTS: 120/208 Wye PHASE: 3 WIRE: 4 SCCR: 65 kA</p>
--	--	---

NOTES:

KEY CKT NO.	LOAD DESCRIPTION	OCPD AMPS	WIRE SIZE H N G	A			B			C			WIRE SIZE G N H	OCPD AMPS	LOAD DESCRIPTION	KEY CKT NO.
-- 1	SPACE	-- 1	-- --	--	0							-- --	1	20 A	EXISTING LOAD	2
-- 3	EXISTING LOAD	20 A	1 -- --	--	0	0						-- --	1	20 A	EXISTING LOAD	4
-- 5	EXISTING LOAD	20 A	1 -- --	--								-- --	1	20 A	EXISTING LOAD	6
-- 7	EXISTING LOAD	20 A	1 -- --	0	0							-- --	1	20 A	EXISTING LOAD	8
-- 9	EXISTING LOAD	20 A	1 -- --	--				0	0			-- --	1	20 A	EXISTING LOAD	10
-- 11	EXISTING LOAD	20 A	1 -- --	--						0	0	-- --	1	20 A	EXISTING LOAD	12
-- 13	EXISTING LOAD	20 A	1 -- --	0	0							-- --	1	20 A	EXISTING LOAD	14
-- 15	EXISTING LOAD	20 A	1 -- --	--								-- --	1	20 A	EXISTING LOAD	16
-- 17	EXISTING LOAD	20 A	1 -- --	--						0	0	-- --	1	20 A	EXISTING LOAD	18
-- 19	EXISTING LOAD	20 A	1 -- --	0	0							-- --	1	20 A	EXISTING LOAD	20
-- 21	EXISTING LOAD	20 A	1 -- --	--				0	0			-- --	1	20 A	EXISTING LOAD	22
-- 23	EXISTING LOAD	20 A	1 -- --	--						0	0	-- --	1	20 A	EXISTING LOAD	24
-- 25	EXISTING LOAD	20 A	1 -- --	0	0							-- --	1	20 A	EXISTING LOAD	26
-- 27	EXISTING LOAD	20 A	1 -- --	--						0	0.36	-- --	1	20 A	Receptacles	28
-- 29	EXISTING LOAD	20 A	1 -- --	--								-- --	1	20 A	EXISTING LOAD	30
-- 31	EXISTING LOAD	20 A	1 -- --	0	0							-- --	1	20 A	EXISTING LOAD	32
-- 33	SPARE	20 A	1 -- --	--						0	0	-- --	1	20 A	EXISTING LOAD	34
-- 35	SPARE	20 A	1 -- --	--								-- --	1	20 A	EXISTING LOAD	36
-- 37	L21-20R	20 A	3 -- --	1.67	1.67							-- --	3	20 A	L21-20R	38
-- 39	--	--	-- --	--	--			1.67	1.67			-- --	--	--	--	40
-- 41	--	--	-- --	--	--			--	--			-- --	--	--	--	42
Total Load:				3.33 kVA	3.69 kVA	3.33 kVA										
Total Amps:				27.78	30.78	27.78										

LOAD SUMMARY			
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Power	10 kVA	100.00%	10 kVA
Receptacles	0.36 kVA	100.00%	0.36 kVA
			TOTALS*
TOTAL CONNECTED LOAD:			10.36 kVA
TOTAL ESTIMATED DEMAND LOAD:			10.36 kVA
TOTAL CONNECTED AMPS:			28.76 A
TOTAL ESTIMATED DEMAND AMPS:			28.8 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: REARRANGE THIS CIRCUIT BREAKERS IN PANEL TO ALLOW FOR 3 CONSECUTIVE SPACES.

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100% CD	03/30
No	DATE

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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

06-06-2022

DRAWING TITLE
ELECTRICAL SCHEDULES

PROJECT FILE EHRM INFRASTRUCTURE UPGRADES		DATE 03/30/2022
BUILDING No 11		PLOT SCALE
CHECKED BY TBD	DRAWN GJL	PROJECT NO 656-21-235
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303		DRAWING NO 11-E600
FULLY SPRINKLERED		DWG. OF

**U.S. Department
of Veterans Affairs**

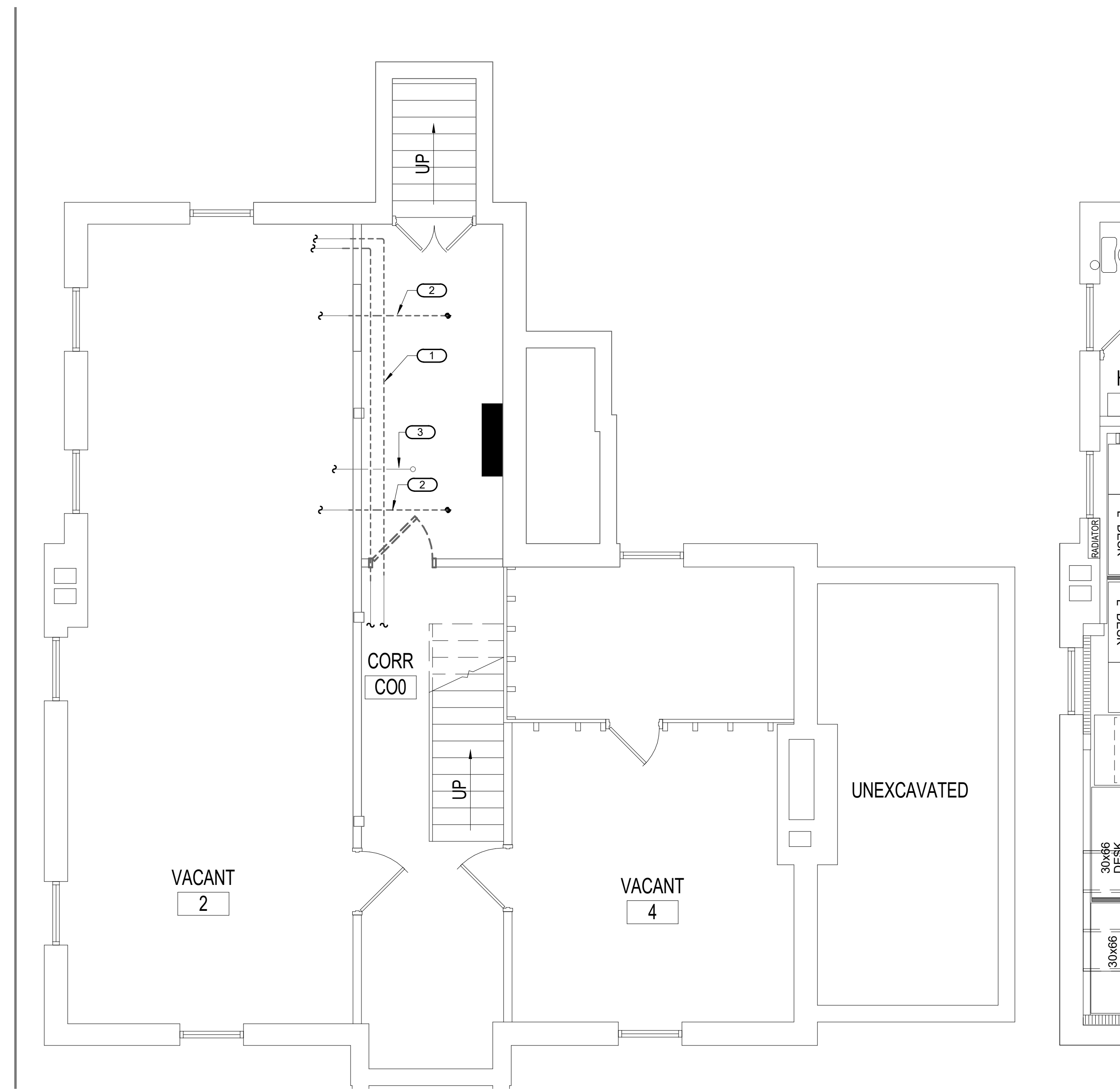
Veterans Health
Administration
St. Cloud VA
Health Care System

FIELD VERIFICATION NOTES

1. THE HVAC CONTRACTOR SHALL 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 ANY 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 1/11-M100: (5)

1. REMOVE EXISTING 2" HEATING WATER SUPPLY AND RETURN PIPING WHERE SHOWN FOR REROUTING. PREPARE PIPE ENDS FOR NEW CONNECTION FIELD VERIFY REQUIREMENTS.
2. REMOVE EXISTING FIRE SPRINKLER HEADS AND BRANCH LINE BACK AS SHOWN FOR REROUTING. FIELD VERIFY REQUIREMENTS.
3. EXISTING 4" SANITARY DRAIN TO REMAIN.



1 BASEMENT DEMOLITION - MECHANICAL
 1/4" = 1'-0"
 0 4' 8' 16'

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100% CD	03/28
No	REVISION DATE

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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-11-0000

DRAWING TITLE
 BASEMENT DEMOLITION - MECHANICAL

PROJECT FILE
 EHRM INFRASTRUCTURE UPGRADES

DATE
 03/30/2022

PLANT SCALE
 1/4" = 1'-0"

PROJECT NO.
 656-21-235

BUILDING NO.
 11

CHECKED BY
 RDL

DRAWN BY
 DJC

DRAWING NO.
 11-M100

LOCATION
 VA MEDICAL CENTER
 ST. CLOUD, MN 56303

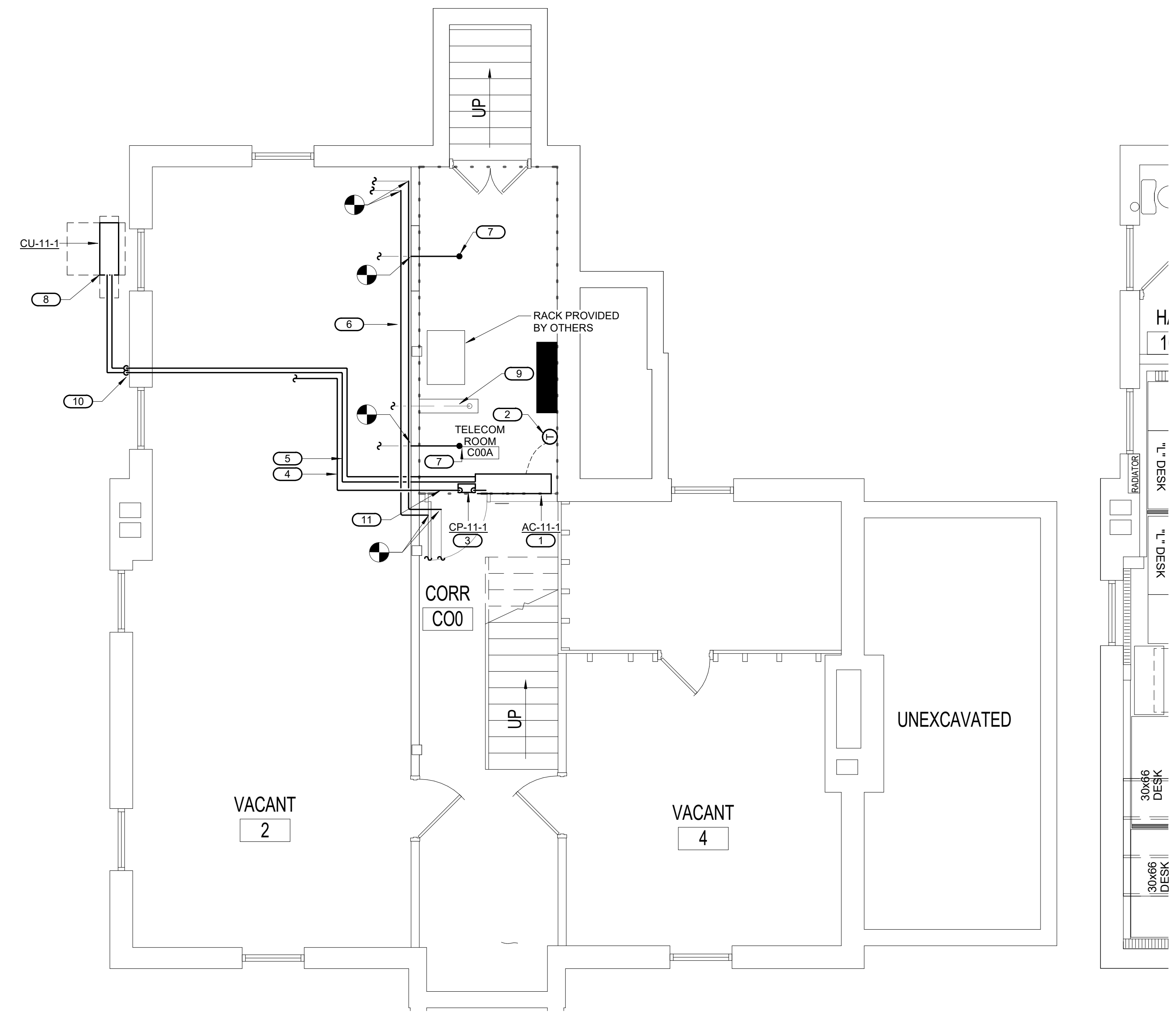
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DWG. OF

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

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- KEYNOTES 1/11-M200:**
1. PROVIDE NEW WALL-MOUNTED DUCTLESS COOLING UNIT.
 2. PROVIDE NEW THERMOSTAT.
 3. PROVIDE CONDENSATE PUMP.
 4. ROUTE 1" PUMPED CONDENSATE PIPE NORTH TO EXTERIOR WALL THEN RISE INTO HAC 104 AND DISCHARGE TO MOP SINK, APPROXIMATELY 120 FEET. COORDINATE FINAL ROUTING IN FIELD.
 5. ROUTE REFRIGERANT PIPING TO NEW AIR-COOLED CONDENSING UNIT ON GRADE. PROVIDE CONCRETE PAD.
 6. REROUTE 2" HEATING WATER SUPPLY AND RETURN PIPING AND RECONNECT AS SHOWN.
 7. REROUTE EXISTING FIRE SPRINKLER BRANCH LINE AND PROVIDE NEW SPRINKLER HEAD.
 8. PROVIDE NEW AIR COOLED CONDENSING UNIT CU-11-1 ON GRADE ABOVE. REFER TO REFRIGERANT PIPING DETAIL 1/0-GM400 AND PAD MOUNTING DETAIL 3/0-GM401
 9. EXISTING 4" SANITARY DRAIN. PROVIDE DRIP PAN. SEE DETAIL 6/0-GM400 FOR REQUIREMENTS. DRIP PAN TO DISCHARGE TO NEAREST FLOOR DRAIN OR AREA WELL.
 10. REFER TO 4/0-GM401 FOR WALL PENETRATION SEALING DETAIL.
 11. PROVIDE NEW CONDENSATE DRIP PAN FOR ALL CONDENSATE PIPING. SEE DETAIL 6/0-GM400 FOR REQUIREMENTS



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Name: _____
 Date: 03/30/2022
 License Number: MN# _____ OF MINNESOTA

DRAWING TITLE

BASEMENT FLOOR - MECHANICAL

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

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