

# BUILDING 111 - 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  
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PHONE: 320-252-1670  
PROGRAM MANAGER:  
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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:  
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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

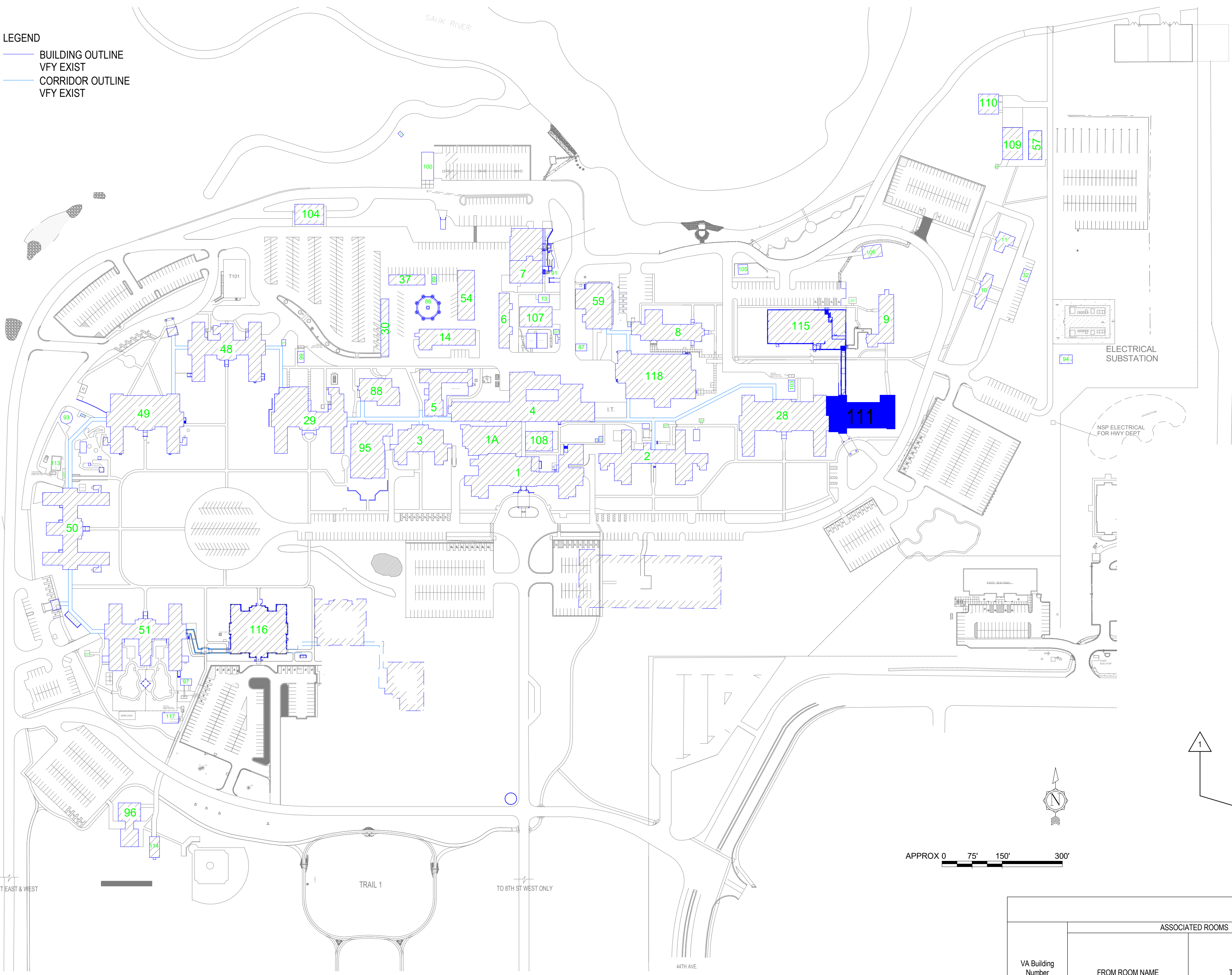
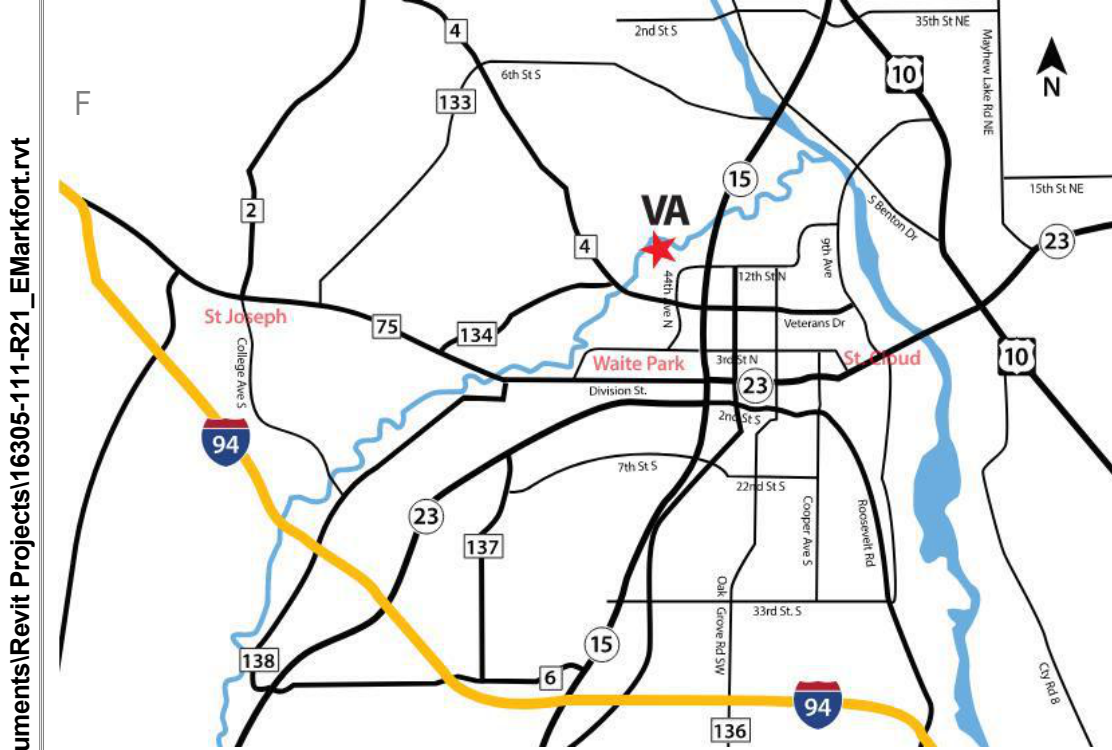
TELECOMMUNICATIONS ENGINEER:  
NAME: SPECIALIZED ENGINEERING SOLUTIONS  
ADDRESS: 10360 ELLISON CIRCLE  
OMAHA, NE 68134

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:



SHEET INDEX - BUILDING 111		
SHEET NO.	SHEET TITLE	
111-G000	BUILDING 111 COVER SHEET & SHEET INDEX	
111-G101	BASEMENT FLOOR PLAN - INFECTION CONTROL & PHASING PLAN	
111-G111	FIRST FLOOR - INFECTION CONTROL & PHASING PLAN	
111-AS100	BASEMENT FLOOR PLANS	
111-AS110	FIRST FLOOR PLANS	
111-TD100	BASEMENT FLOOR PLAN - TELECOM - DEMOLITION	
111-TN100	BASEMENT FLOOR PLAN - TELECOMMUNICATIONS	
111-TD110	FIRST FLOOR PLAN - TELECOM - DEMOLITION	
111-TN110	FIRST FLOOR PLAN - TELECOMMUNICATIONS	
111-TN210	FIRST FLOOR PLAN - TELECOM - CABLE DISTANCE	
111-TN200	BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE	
111-TN400	ENLARGED PLANS - TELECOMMUNICATIONS	
111-TN401	ENLARGED PLANS - TELECOMMUNICATIONS	
111-E200	BASEMENT FLOOR PLAN - ELECTRICAL	
111-E201	FIRST FLOOR PLAN - ELECTRICAL	
111-E300	ELECTRICAL ENLARGED PLANS	
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)	REMARKS
BASEMENT																
62	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	70 SF	5.2	13.5	UPDATE EXIST IT/DATA ROOM TO EHRM TELECOM ROOM STANDARDS. SEE TELECOM DRAWINGS
FIRST FLOOR																
29	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	75 SF	5.6	14.1	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	062	TELECOM ROOM	NONE	
FIRST FLOOR	129	TELECOM ROOM	NONE	
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	062	TELECOM ROOM	OUTPATIENT MENTAL HEALTH	TYPE C	GROUP 1	CLASS II	EAST	OCCUPIED CONSTRUCTION	NIGHT
FIRST FLOOR	129	TELECOM ROOM	OUTPATIENT MENTAL HEALTH	TYPE C	GROUP 2	CLASS III	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.									

1

OPENING SCHEDULE														
ASSOCIATED ROOMS			OPENING			PANEL INFORMATION			FRAME INFORMATION			HOW GROUP		
FROM ROOM NAME			NUMBER	WIDTH	HEIGHT	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING		HOW GROUP	FIRE LABEL (MIN)	COMMENTS
VA Building Number														

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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

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

DRAWING TITLE

BUILDING 111 COVER SHEET & SHEET INDEX

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE

03/30/2022

PLOT SCALE

PROJECT NO.

656-21-235

DRAWING NO.

111-G1000

CHECKED BY

EM

DRAWN BY

EM

LOCATION

VA MEDICAL CENTER ST. CLOUD, MN 56303

FULLY SPRINKLERED

COVER OF

DWG

U.S. Department of Veterans Affairs

Veterans Health Administration

St. Cloud VA Health Care System



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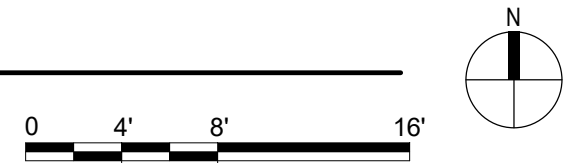


ROOM ICRA SCHEDULE						
LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS
BASEMENT	062	TELECOM ROOM	OUTPATIENT MENTAL HEALTH	TYPE C	GROUP 1	CLASS II
FIRST FLOOR	129	TELECOM ROOM	OUTPATIENT MENTAL HEALTH	TYPE C	GROUP 2	CLASS III

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



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No.	REVISION	DATE

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Name:

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

DRAWING TITLE

**BASEMENT FLOOR - INFECTION CONTROL & PHASING PLAN**

PROJECT TITLE	DATE
<b>EHM INFRASTRUCTURE UPGRADES</b>	03/30/2022
PLOT SCALE	
PROJECT NO.	DRAWING NO.
656-21-235	111-G101
BUILDING NO.	CHECKED BY
111	EM
DRAWN	BMW
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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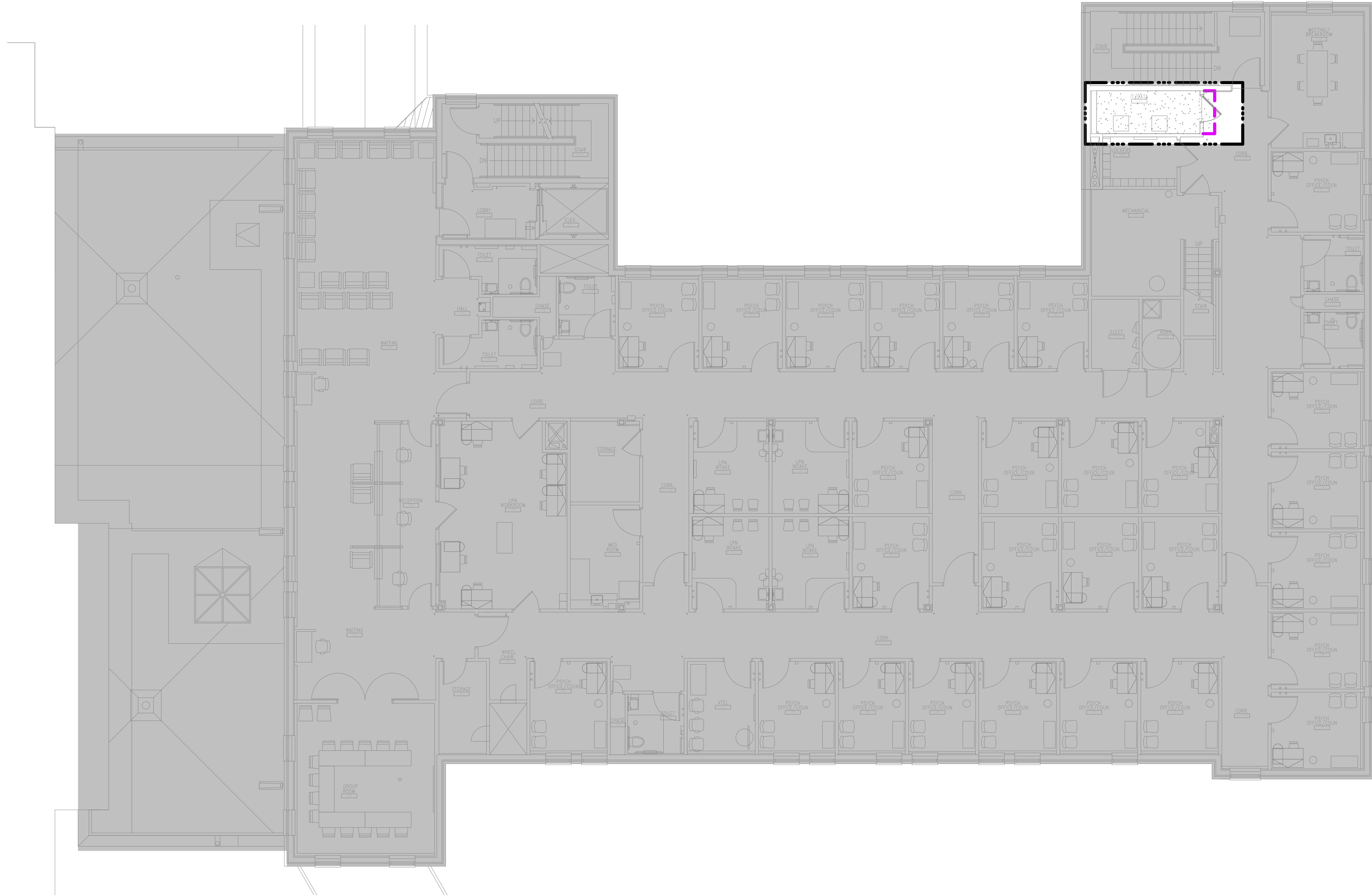
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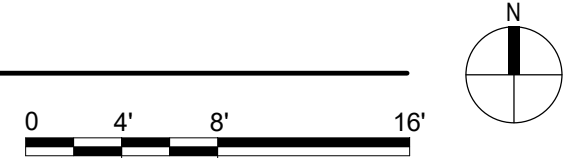
ROOM ICRA SCHEDULE						
LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS
BASEMENT	062	TELECOM ROOM	OUTPATIENT MENTAL HEALTH	TYPE C	GROUP 1	CLASS II
FIRST FLOOR	129	TELECOM ROOM	OUTPATIENT MENTAL HEALTH	TYPE C	GROUP 2	CLASS III

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



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No.	REVISION	DATE

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

DRAWING TITLE

**FIRST FLOOR - INFECTION  
CONTROL & PHASING PLAN**

PROJECT TITLE

**EHRM INFRASTRUCTURE  
UPGRADES**

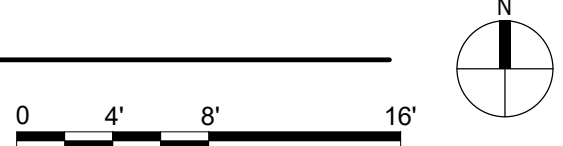
DATE: 03/30/2022  
PLOT SCALE:  
PROJECT NO: 656-21-235  
DRAWING NO: 111-G1111

BUILDING NO: 111  
CHECKED BY: EM  
DRAWN BY: EM  
LOCATION: VA MEDICAL CENTER  
ST. CLOUD, MN 56303  
FULLY SPRINKLERED  
DWS OF

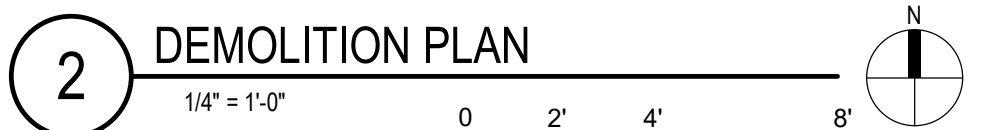


**U.S. Department  
of Veterans Affairs**  
Veterans Health  
Administration  
St. Cloud VA  
Health Care System





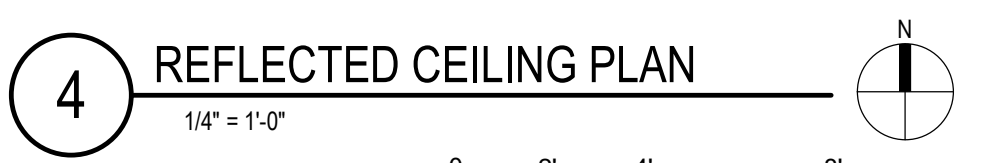
NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN



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




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



1. SEE GENERAL NOTES AND CANNOT 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 MOUNT WALL BRACKET AND CODE REQUIRED. SIGNAGE SHALL BE PROVIDED BY THE CONTRACTOR WITHIN TELECOM ROOMS.

**VA**



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

Veterans Health  
Administration

St. Cloud VA  
Health Care System





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NO.	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/28/2022

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Name: *Tom Olezak*

Typed or Printed Name: Tom Olezak

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

DRAWING TITLE

FIRST FLOOR PLANS

PROJECT TITLE	EHRM INFRASTRUCTURE UPGRADES	DATE	03/30/2022
PLOT SCALE			
PROJECT NO.	656-21-235		
BUILDING NO.	111	CHECKED BY	EM
LOCATION	VA MEDICAL CENTER ST CLOUD, MN 56303	DRAWN	EM
		FULLY	SPRINKLERED
		DWG. OF	

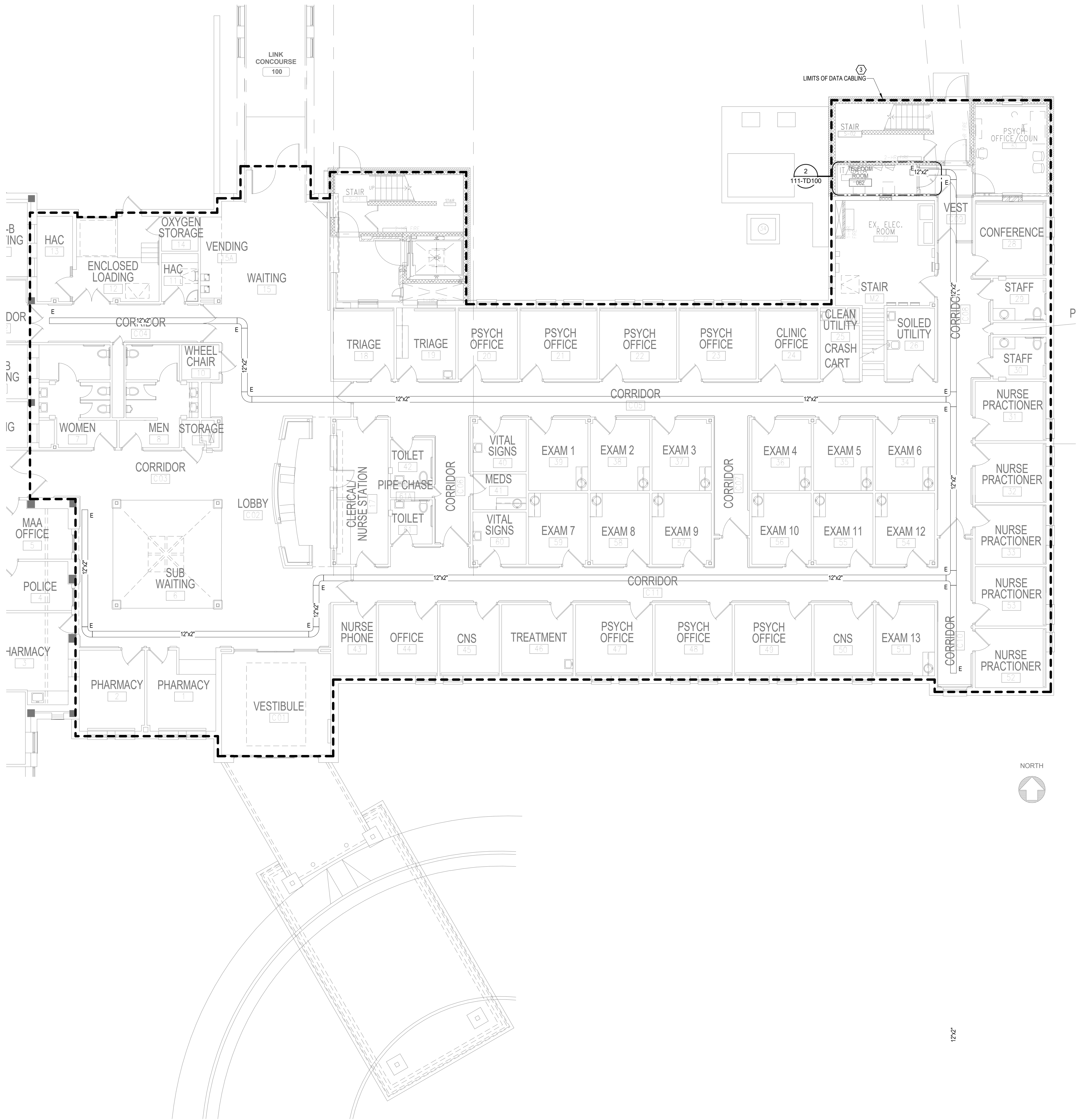
**VA**

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

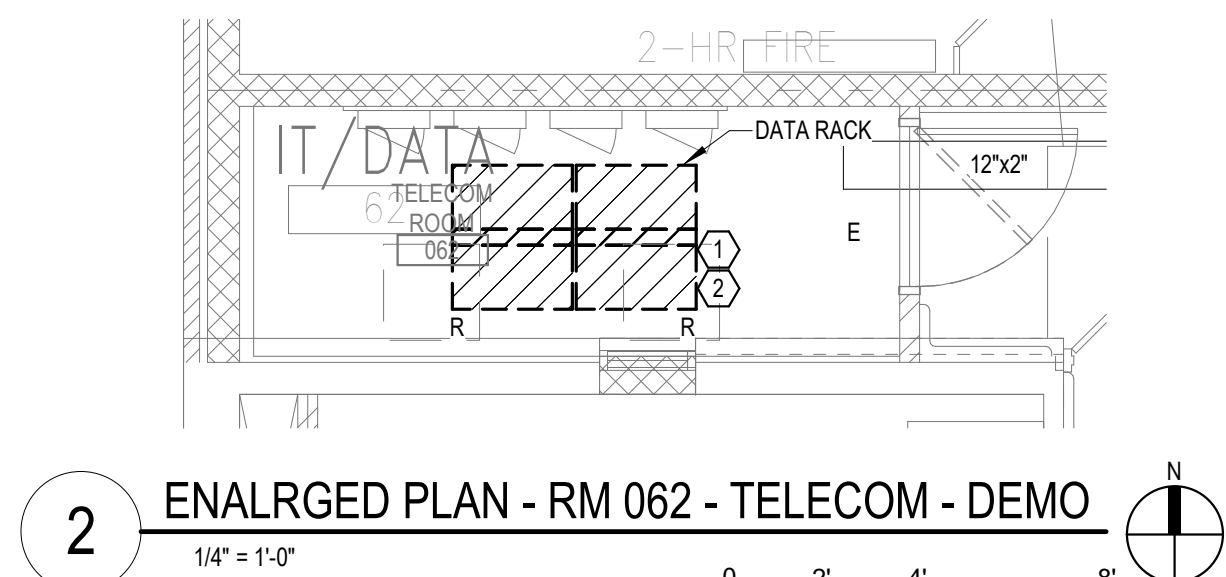
Veterans Health Administration

St. Cloud VA Health Care System

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



2 ENLARGED PLAN - RM 062 - TELECOM - DEMO  
1/4" = 1'-0"

- GENERAL NOTES:**
- A. REFER TO GENERAL DEMOLITION NOTES ON SHEET T000 FOR ADDITIONAL DEMOLITION SCOPE.
- SHEET NOTES:**
- EXISTING 2 POST RACKS WILL BE DEMOLISHED AND REPLACED BY A SINGLE 4 POST CHANNEL RACK.
  - NEW COPPER BACKBONE WILL BE PULLED TO EACH NEW TR AND INSTALLED TO A 48 PORT PATCH PANEL IN THE RACK.
  - RETAIN DATA CABLE: EXISTING DATA CABLE THROUGHOUT THIS AREA IS SUFFICIENT TO REMAIN. NEW CABLING NOT REQUIRED. RETAIN EXISTING CABLING IN SERVICE.
- 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 062
- EXISTING CABLE COUNT
- DATA (CAT6): 100
- DATA (CAT5e): 0
- 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): 100
- DATA (CAT5e): 0
- DATA (CAT3): 0
- DATA (CAT3): 0
- FINAL CABLE COUNT
- DATA (CAT6): 100
- DATA (CAT5e): 0
- DATA (CAT3): 0
- DATA (CAT3): 0

No	REVISION	DATE

CONSULTANT

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10360 Ellison Circle  
Omaha, NE 68134

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REGISTERED COMMUNICATIONS DISTRIBUTION

**Bicsi**

Nathan Timm  
BICS 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

DRAWING NO.  
111-TD100

LOCATION  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

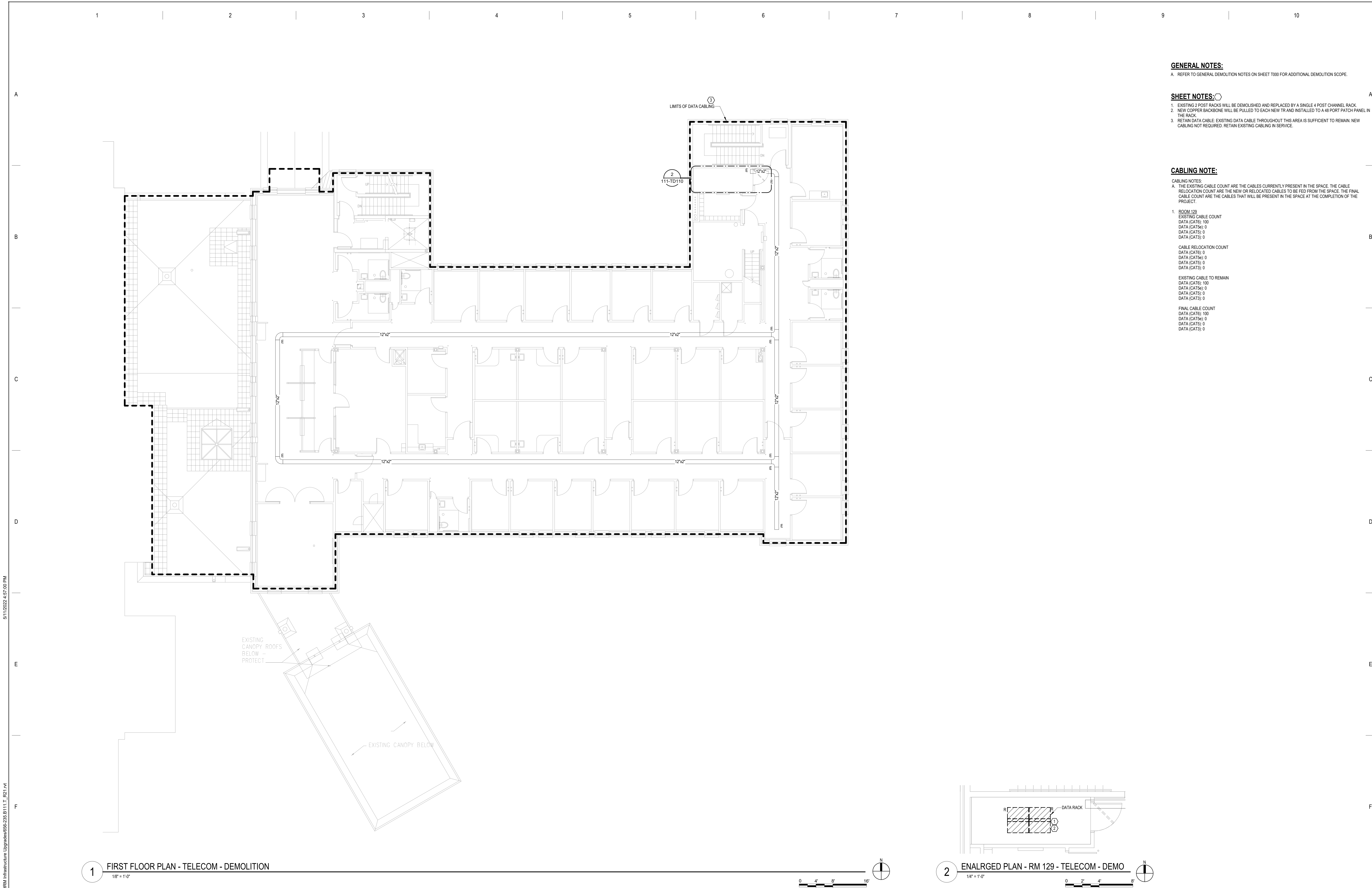
FULLY  
SPRINKLERED

DWG. OF

**VA**

U.S. Department  
of Veterans Affairs

Veterans Health  
Administration  
St. Cloud VA  
Health Care System

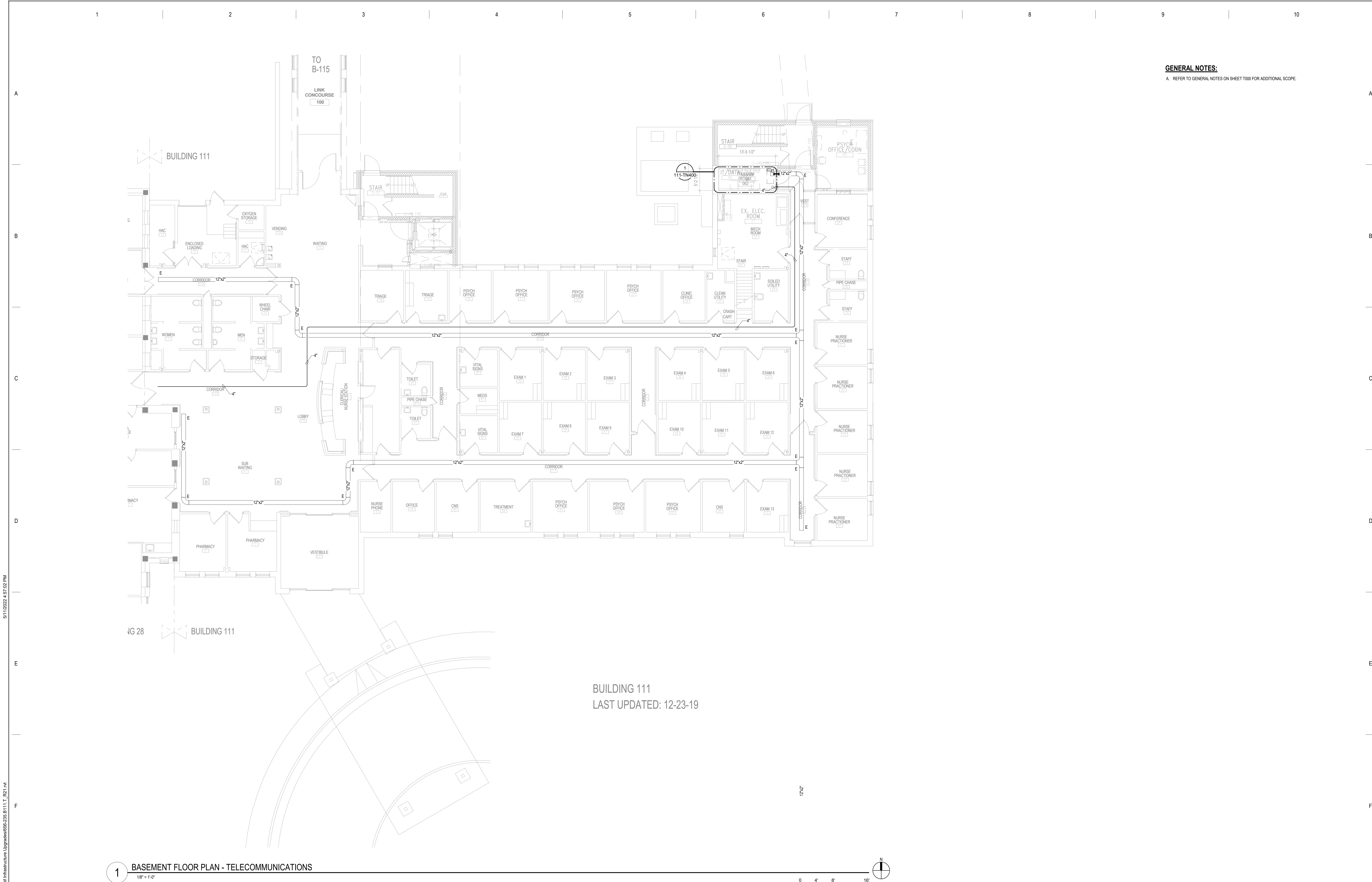


- GENERAL NOTES:**
- A. REFER TO GENERAL DEMOLITION NOTES ON SHEET T000 FOR ADDITIONAL DEMOLITION SCOPE.
- SHEET NOTES:**
1. EXISTING 2 POST RACKS WILL BE DEMOLISHED AND REPLACED BY A SINGLE 4 POST CHANNEL RACK.  
2. NEW COPPER BACKBONE WILL BE PULLED TO EACH NEW TR AND INSTALLED TO A 48 PORT PATCH PANEL IN THE RACK.  
3. RETAIN DATA CABLE. EXISTING DATA CABLE THROUGHOUT THIS AREA IS SUFFICIENT TO REMAIN. NEW CABLING NOT REQUIRED. RETAIN EXISTING CABLING IN SERVICE.

- 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 129  
EXISTING CABLE COUNT  
DATA (CAT6): 100  
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): 100  
DATA (CAT5e): 0  
DATA (CAT5): 0  
DATA (CAT3): 0  
FINAL CABLE COUNT  
DATA (CAT6): 100  
DATA (CAT5e): 0  
DATA (CAT5): 0  
DATA (CAT3): 0



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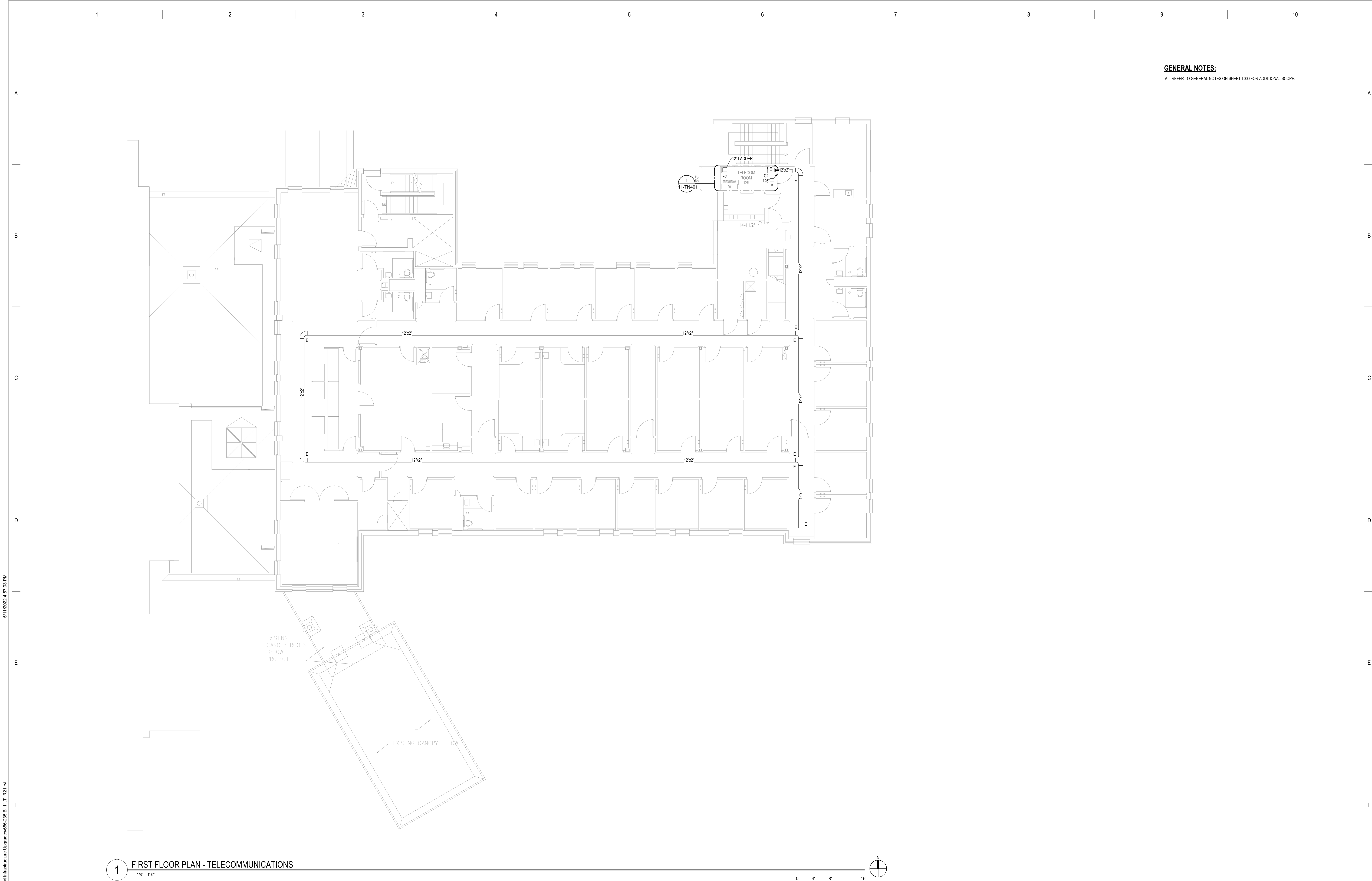


**GENERAL NOTES:**  
A. REFER TO GENERAL NOTES ON SHEET T000 FOR ADDITIONAL SCOPE.

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

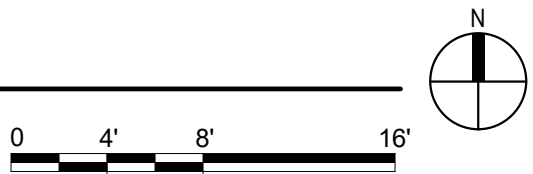
<div>5/11/2022 4:57:02 PM</div> <div>BIM 360://21102.001 - VA St Cloud EHRM Infrastructure Upgrades/656-235.B111.T_R01.rvt</div>		<div>CONSULTANT</div> <div><b>SPECIALIZED ENGINEERING SOLUTIONS</b><div>10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com</div></div>		<div>ARCHITECT/ENGINEER OF RECORD</div> <div><b>ANDERSON</b><div>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   <a href="http://ae-mn.com">ae-mn.com</a> Anderson Engineering of Minnesota, LLC   Proj # 16305</div></div>		<div>STAMP</div> <div><b>Bicsi</b><div>Nathan Timm BICS1 ID # 346555 Expires 12-31-24 Nathan M. Timm</div></div>		<div>DRAWING TITLE</div> <div><b>BASEMENT FLOOR PLAN - TELECOMMUNICATIONS</b></div>		<div>PROJECT FILE</div> <div><b>EHRM INFRASTRUCTURE UPGRADES</b></div>		<div>DATE</div> <div><b>03/30/2022</b></div>		<div>LOCATION</div> <div><b>VA MEDICAL CENTER ST. CLOUD, MN 56303</b></div>		<div>U.S. Department of Veterans Affairs</div> <div><b>VA</b></div> <div>Veterans Health Administration St. Cloud VA Health Care System</div>	
<div>No</div> <div>REVISION</div> <div>DATE</div>		<div>BUILDING NO.</div> <div><b>111</b></div>		<div>CHECKED BY</div> <div><b>KSB</b></div>		<div>DRAWN</div> <div><b>SSK</b></div>		<div>PROJECT NO.</div> <div><b>656-21-235</b></div>		<div>DRAWING NO.</div> <div><b>111-TN100</b></div>		<div>FULLY SPRINKLERED</div> <div>DWG. OF</div>					





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

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



No	REVISION	DATE


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BICSI ID # 346555  
Expires 12-31-24

DRAWING TITLE

FIRST FLOOR PLAN -  
TELECOMMUNICATIONS

PROJECT TITLE  
EHRM INFRASTRUCTURE  
UPGRADES

DATE  
03/30/2022  
PLOT SCALE

PROJECT NO.  
656-21-235

DRAWING NO.  
111-TN110

BUILDING NO.  
111

CHECKED BY  
KSB

DRAWN  
SSK

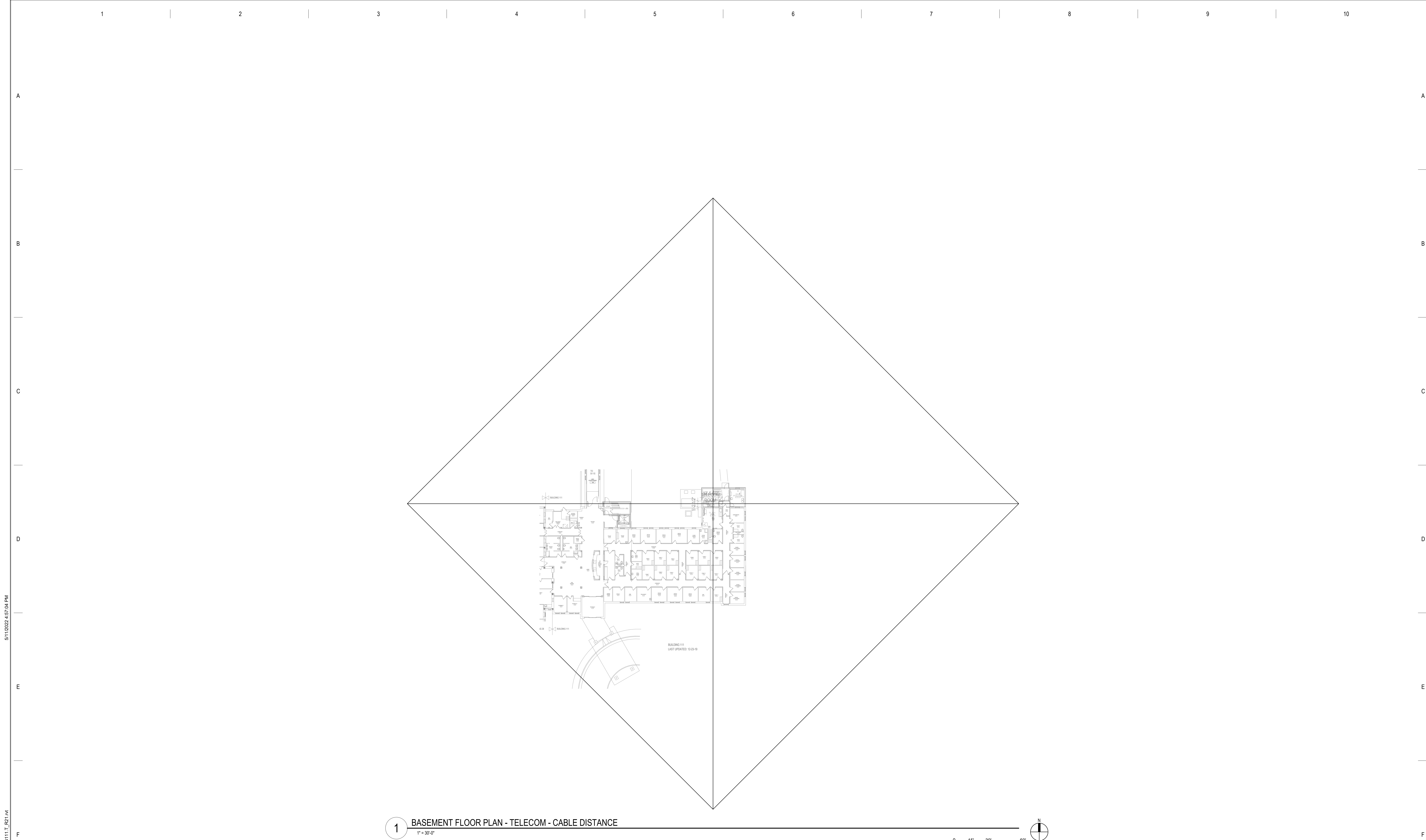
LOCATION  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

FULLY  
SPRINKLERED

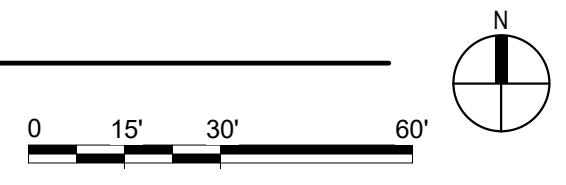
DWG. OF



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



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



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BICSI ID # 346555  
EXPIRES 12-31-24

DRAWING TITLE

BASEMENT FLOOR PLAN -  
TELECOM - CABLE DISTANCE

PROJECT TITLE  
EHRM INFRASTRUCTURE  
UPGRADES

BUILDING No  
111

CHECKED BY  
KSB

DRAWN  
SSK

DATE  
03/30/2022

PLOT SCALE

PROJECT NO  
656-21-235

DRAWING NO  
111-TN200

LOCATION  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

FULLY  
SPRINKLERED

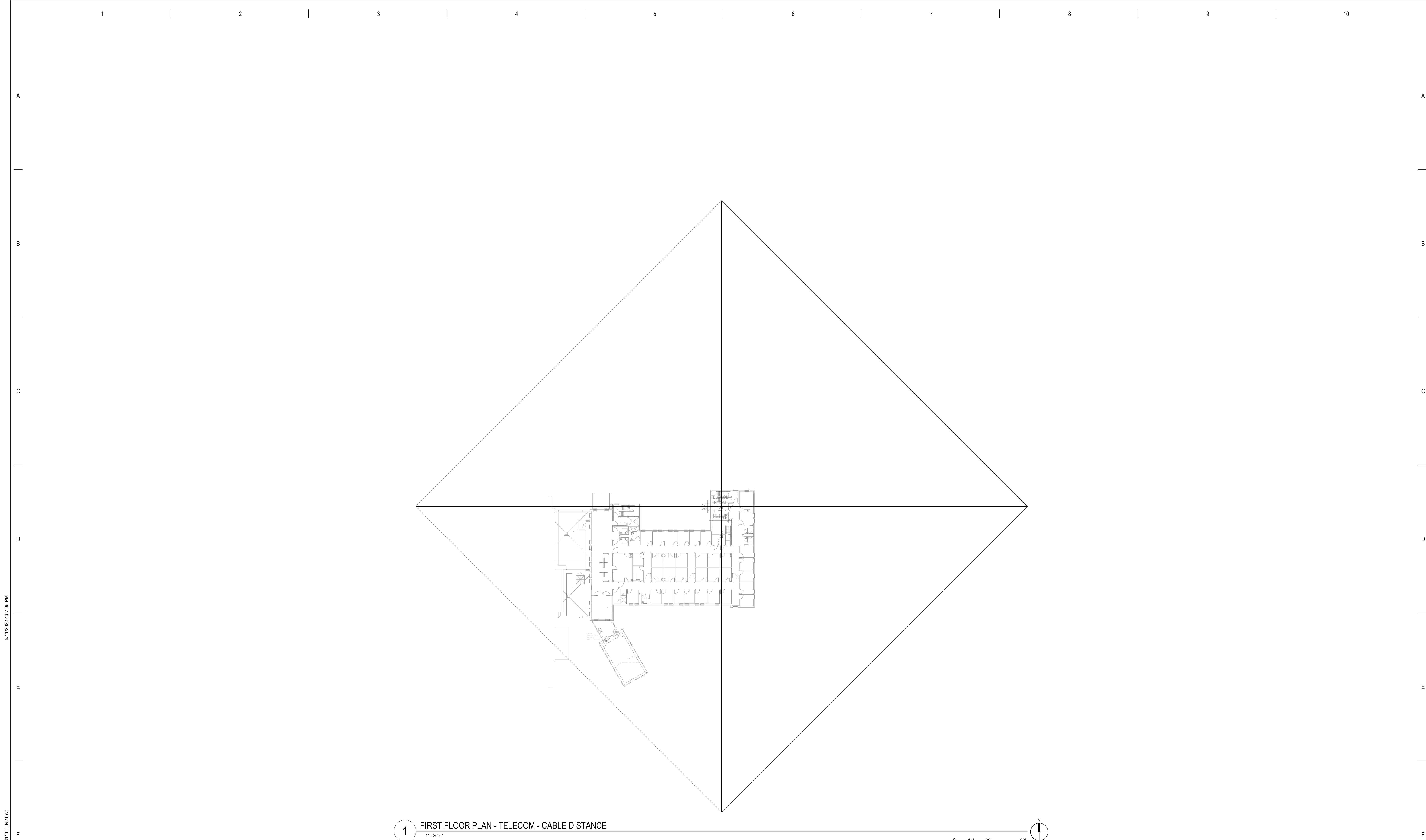
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U.S. Department  
of Veterans Affairs  
Veterans Health  
Administration  
St. Cloud VA  
Health Care System





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Nathan Timm

BICS ID # 346555

EXPIRES 12-31-24

Signature

Nathan M. Timm

DRAWING TITLE

FIRST FLOOR PLAN -  
TELECOM - CABLE DISTANCE

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

BUILDING NO.  
111

CHECKED BY  
KSB

DRAWN  
SSK

DATE  
03/30/2022

PLOT SCALE

PROJECT NO.  
656-21-235

DRAWING NO.  
111-TN210

LOCATION  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

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Veterans Health  
Administration  
St. Cloud VA  
Health Care System

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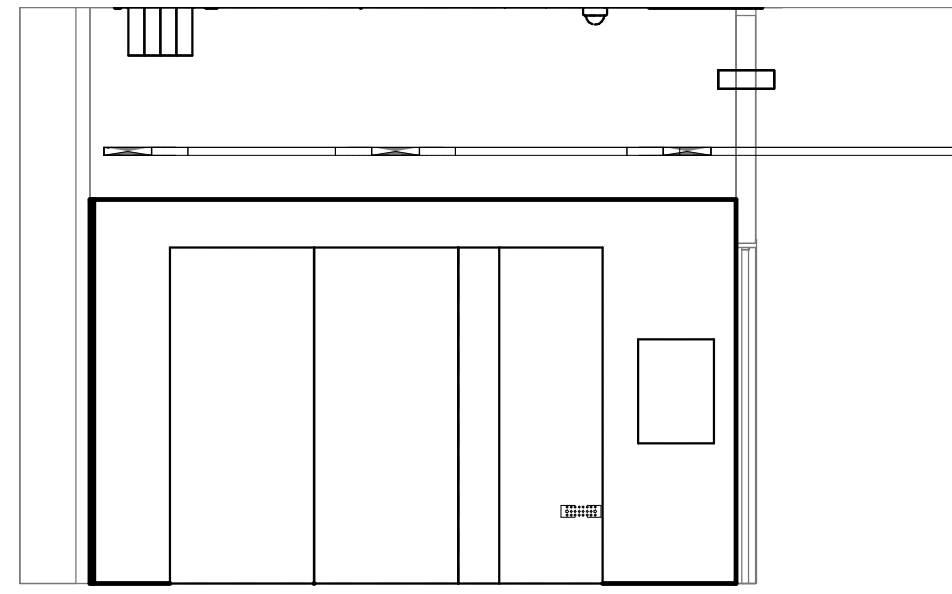
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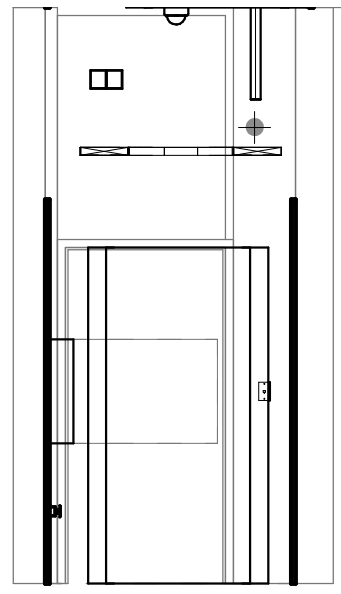
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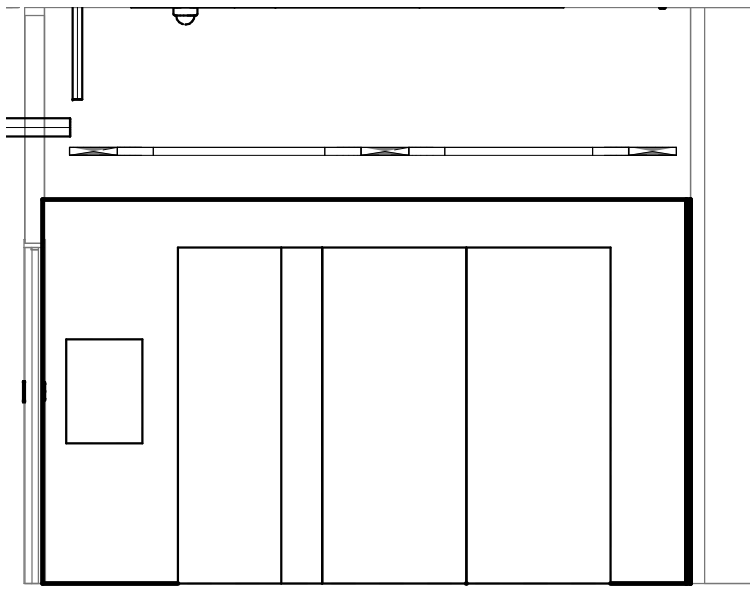
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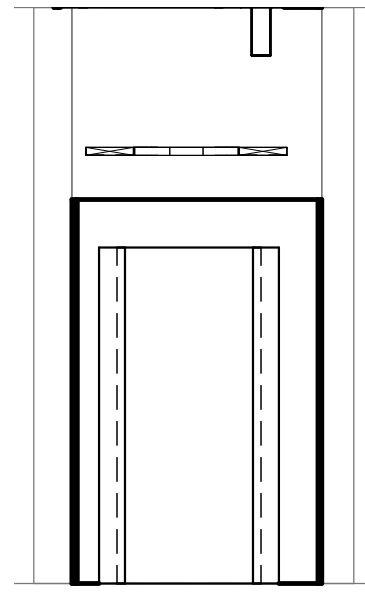
2 1 - a  
1/4" = 1'-0"



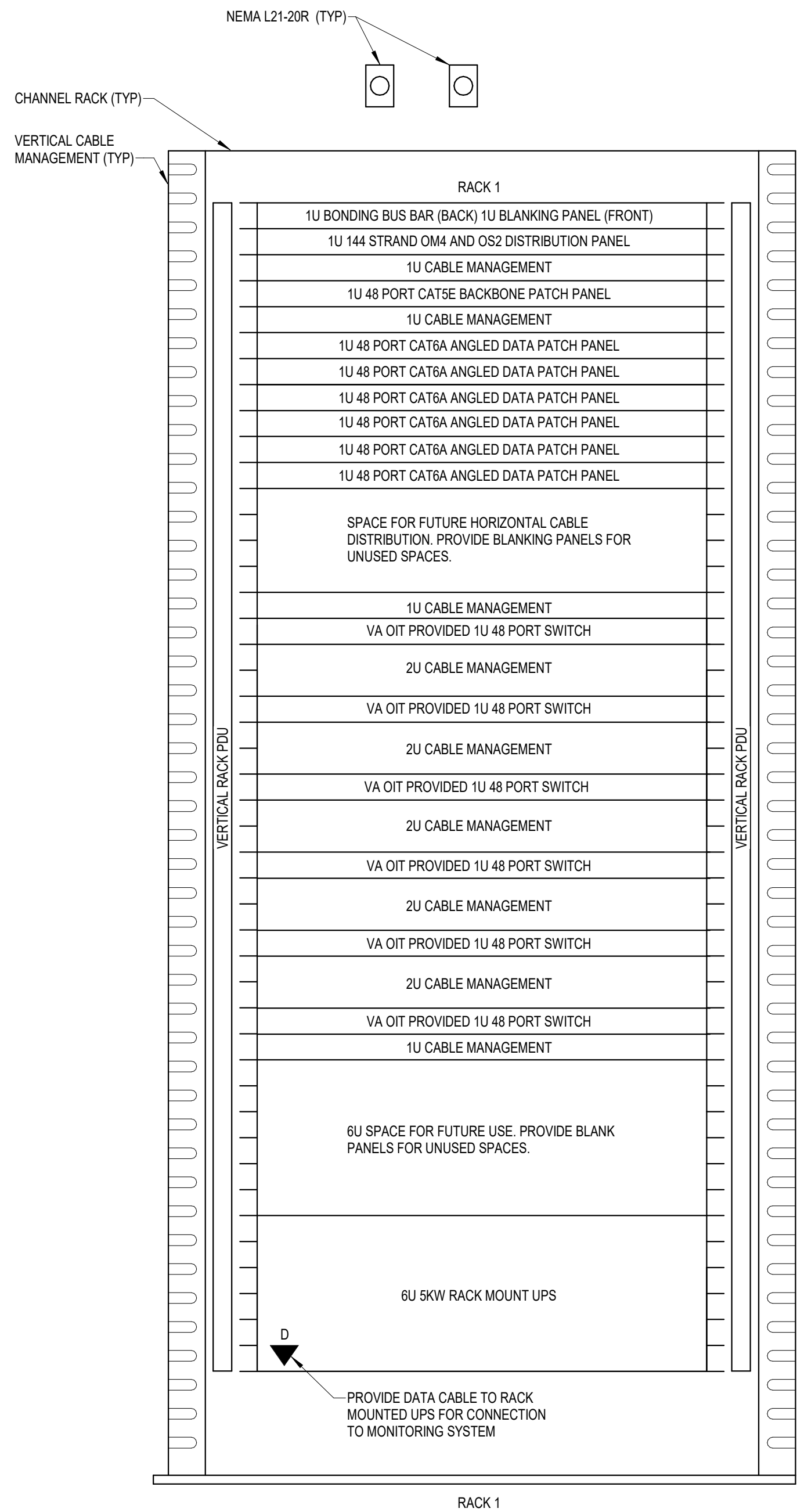
3 1 - b  
1/4" = 1'-0"



4 1 - c  
1/4" = 1'-0"



5 1 - d  
1/4" = 1'-0"



- NOTES:
1. REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
  2. COORDINATE EXACT RACK COUNT AND LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
  3. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL RACK COMPONENTS.
  4. 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).
  5. COORDINATE FINAL RACK COMPONENT LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
  6. 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".
  7. 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 062  
NOT TO SCALE

#### GENERAL NOTES:

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

#### SHEET NOTES:

1. IF NO ACCESS CONTROL PANEL IS PRESENT IN THE TR, 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:

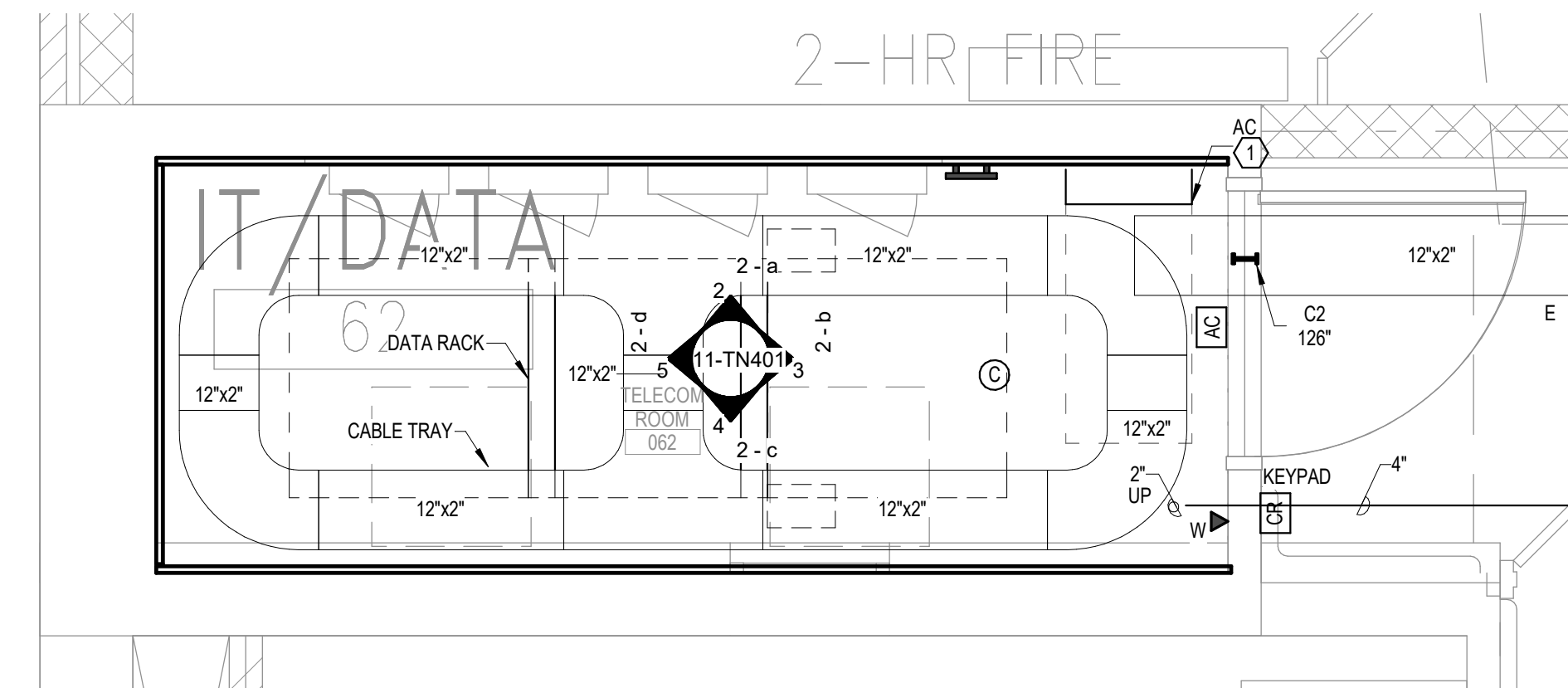
CABLING NOTES:  
A. THE EXISTING CABLE COUNT ARE THE CABLES CURRENTLY PRESENT IN THE SPACE.  
THE CABLE RELOCATION COUNT ARE THE NEW OR RELOCATED CABLES TO BE FED FROM THE SPACE. THE FINAL CABLE COUNT ARE THE CABLES THAT WILL BE PRESENT IN THE SPACE AT THE COMPLETION OF THE PROJECT.

1. ROOM 062  
EXISTING CABLE COUNT  
DATA (CAT6): 100  
DATA (CAT6a): 0  
DATA (CAT5): 0  
DATA (CAT5e): 0

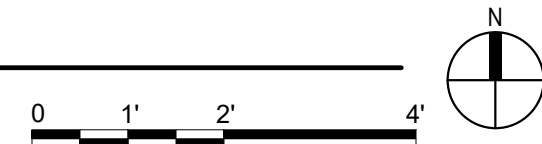
CABLE RELOCATION COUNT  
DATA (CAT6): 0  
DATA (CAT6a): 0  
DATA (CAT5): 0  
DATA (CAT5e): 0

EXISTING CABLE TO REMAIN  
DATA (CAT6): 100  
DATA (CAT6a): 0  
DATA (CAT5): 0  
DATA (CAT5e): 0

FINAL CABLE COUNT  
DATA (CAT6): 0  
DATA (CAT6a): 100



1 ENLARGED PLAN - TR 062 - TELECOM - CABLE TRAY AND DATA  
1/2" = 1'-0"



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 <b>EHRM INFRASTRUCTURE UPGRADES</b>	DATE <b>03/30/2022</b>
BUILDING NO. <b>111</b>	CHECKED BY <b>KSB</b>
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	DRAWN <b>SSK</b>
PROJECT NO. <b>656-21-235</b>	DRAWING NO. <b>111-TN400</b>
FULLY SPRINKLERED	DWG. OF

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



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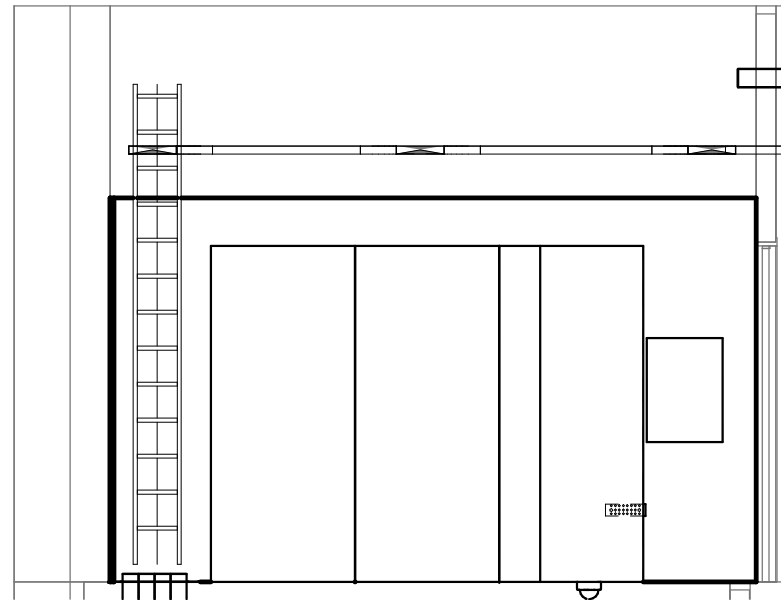
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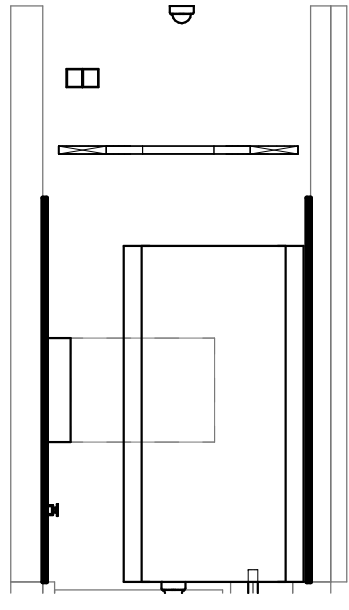
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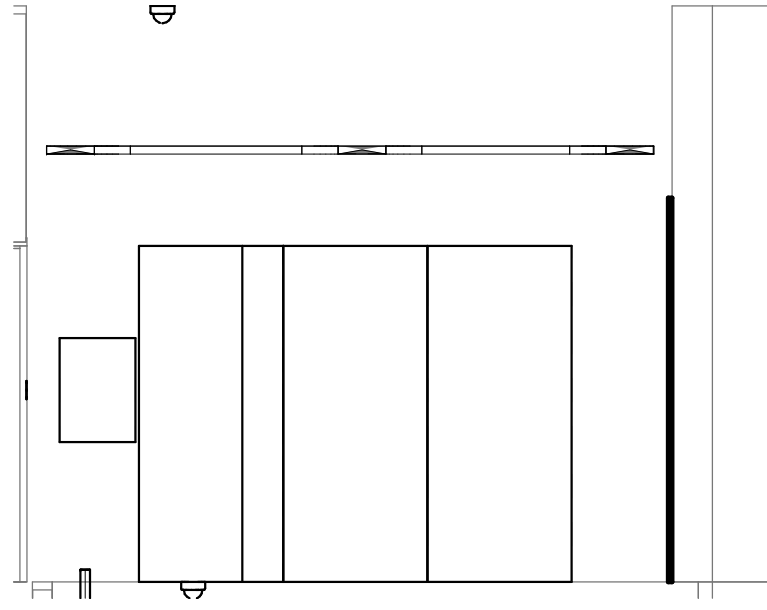
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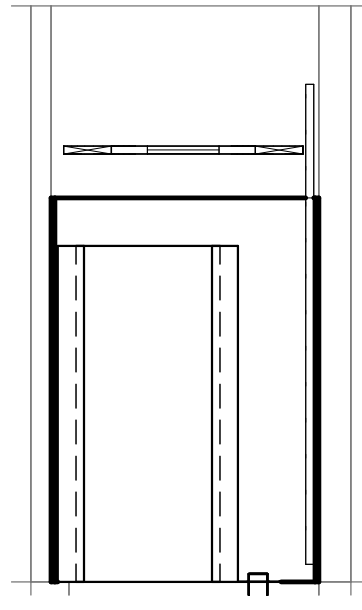
2 2 - a  
1/4" = 1'-0"



3 2 - b  
1/4" = 1'-0"



4 2 - c  
1/4" = 1'-0"



5 2 - d  
1/4" = 1'-0"

GENERAL NOTES:

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

SHEET NOTES:

1. IF NO ACCESS CONTROL PANEL IS PRESENT IN THE TR, 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:

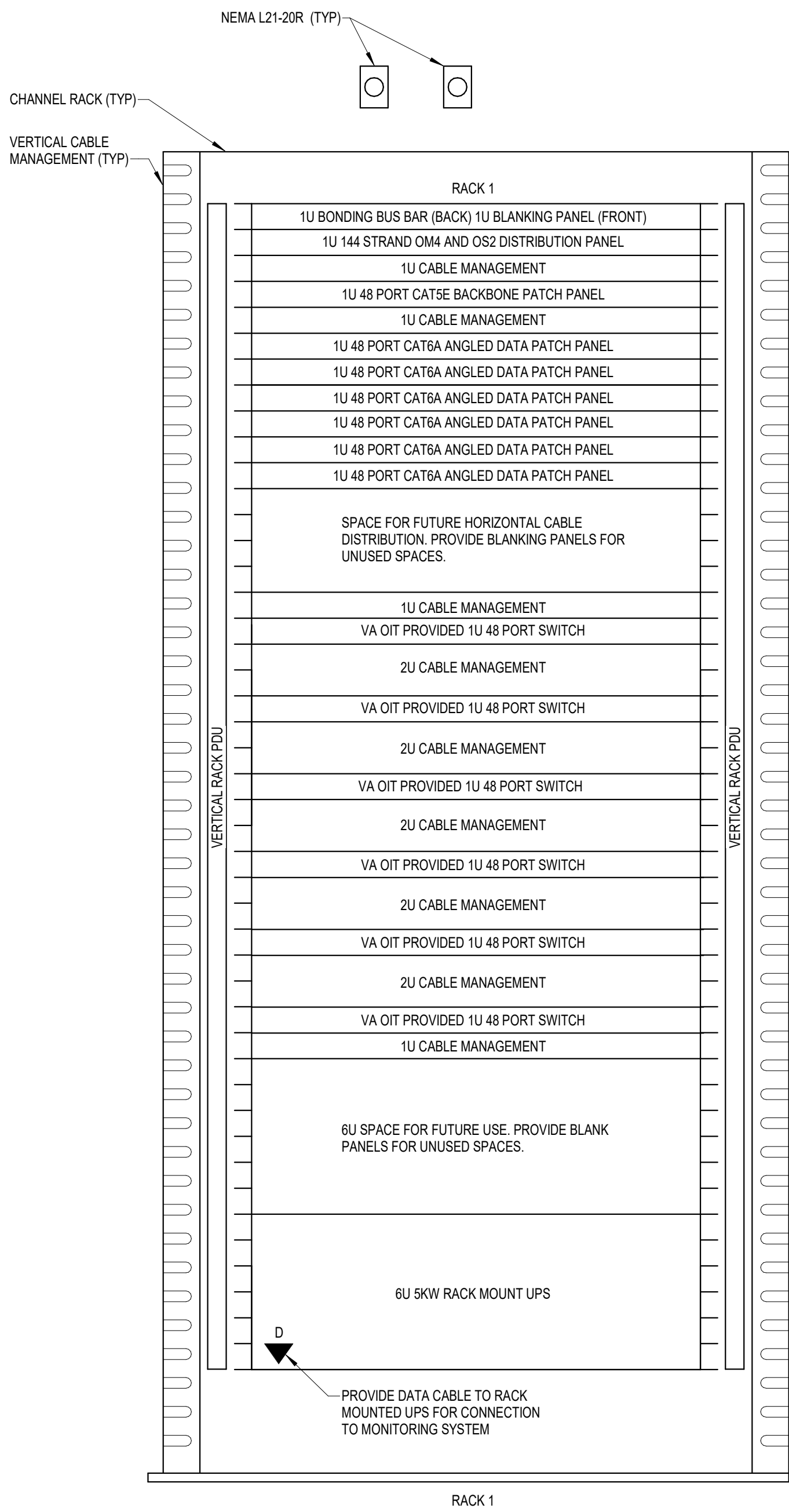
CABLING NOTES  
A. THE EXISTING CABLE COUNT ARE THE CABLES CURRENTLY PRESENT IN THE SPACE.  
THE CABLE RELOCATION COUNT ARE THE NEW OR RELOCATED CABLES TO BE FED FROM THE SPACE. THE FINAL CABLE COUNT ARE THE CABLES THAT WILL BE PRESENT IN THE SPACE AT THE COMPLETION OF THE PROJECT.

1. ROOM 129  
EXISTING CABLE COUNT  
DATA (CAT6): 0  
DATA (CAT5e): 100  
DATA (CAT5): 0  
DATA (CAT3): 0

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

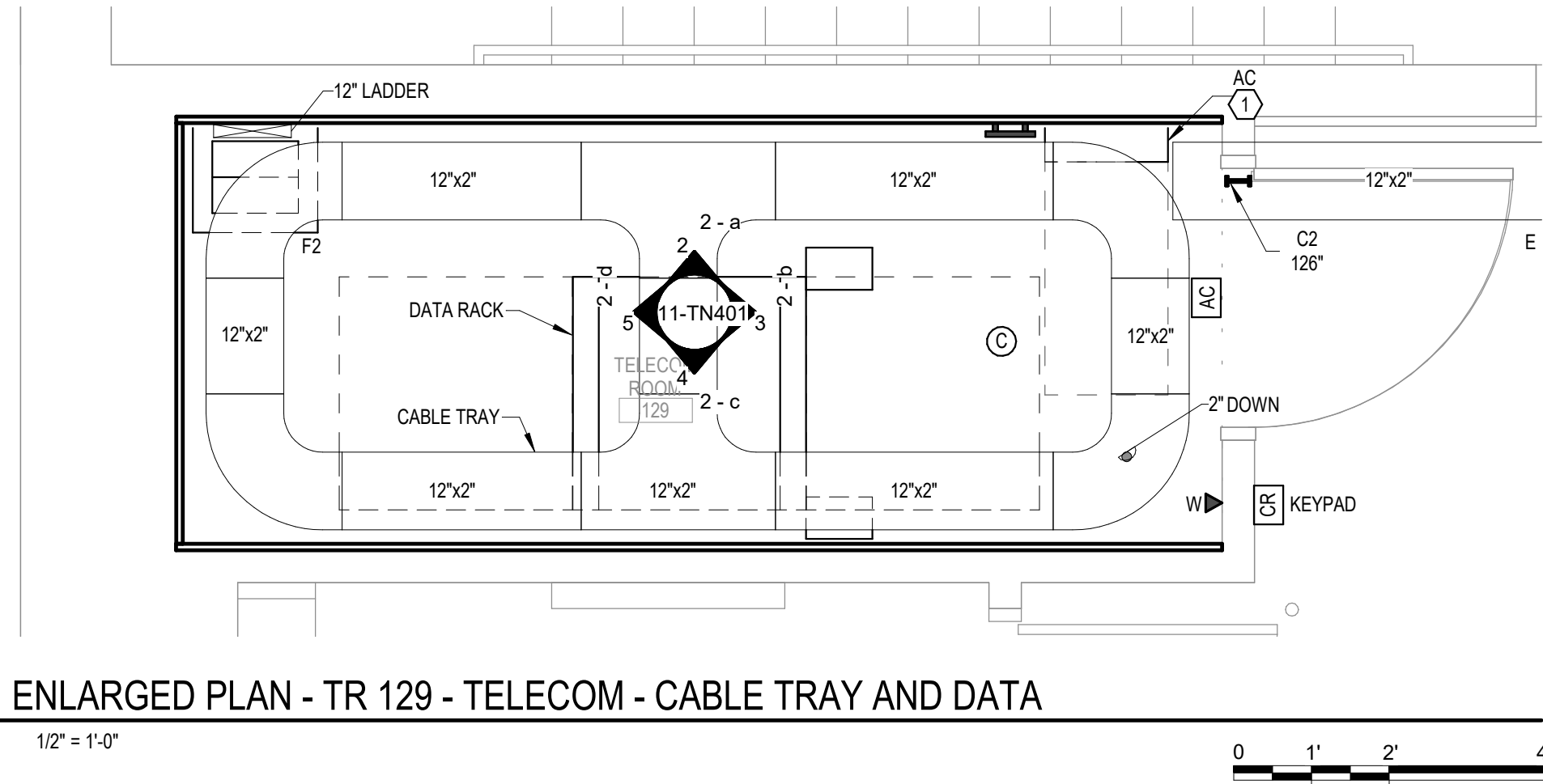
EXISTING CABLE TO REMAIN  
DATA (CAT6): 0  
DATA (CAT5e): 0  
DATA (CAT5): 0  
DATA (CAT3): 0

FINAL CABLE COUNT  
DATA (CAT6): 100  
DATA (CAT5): 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 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 129  
NOT TO SCALE



1 ENLARGED PLAN - TR 129 - TELECOM - CABLE TRAY AND DATA  
1/2" = 1'-0"

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: 111-TN401

BUILDING NO: 111  
CHECKED BY: KSB  
DRAWN: SSK

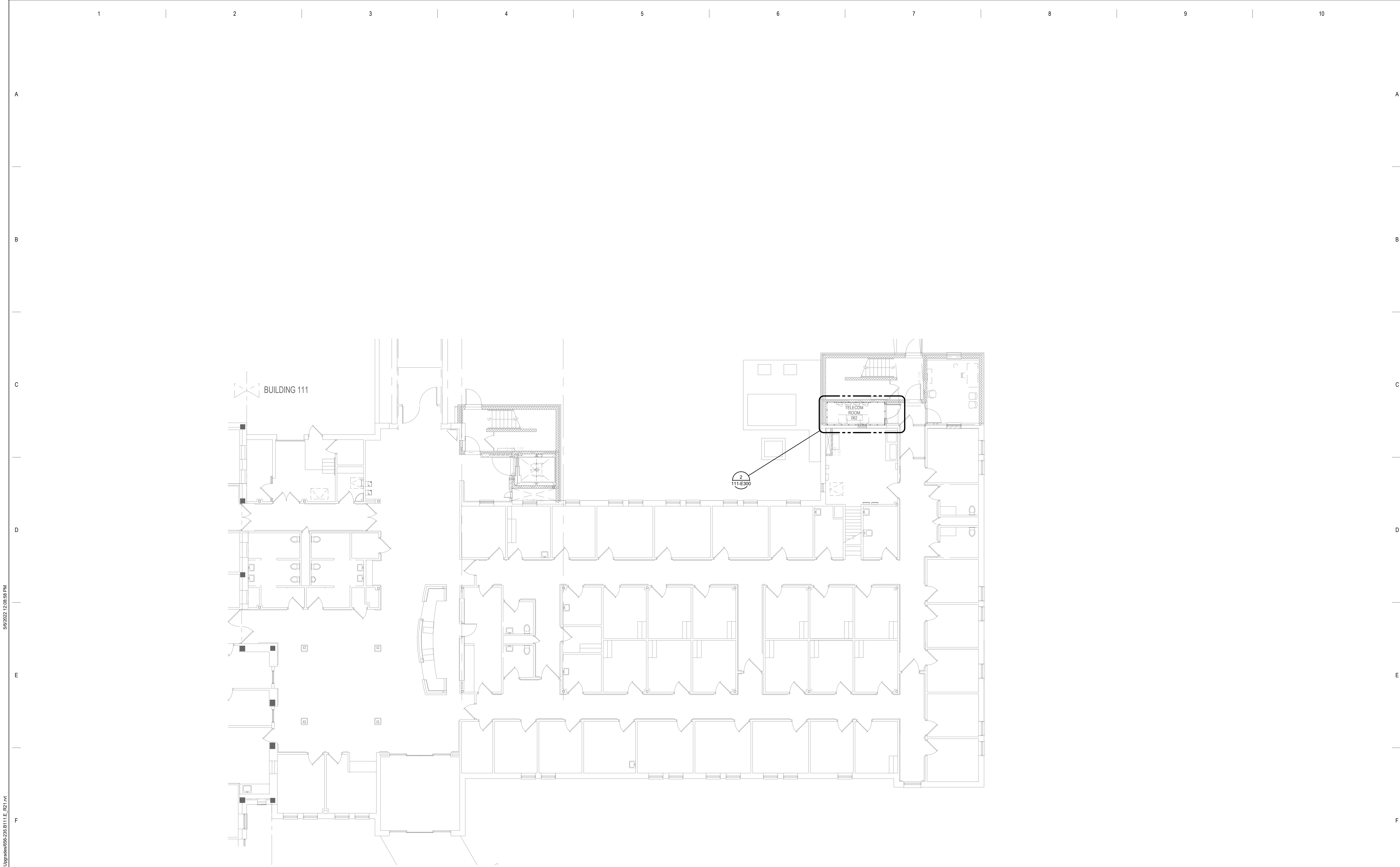
LOCATION: VA MEDICAL CENTER  
ST. CLOUD, MN 56303

FULLY SPRINKLERED

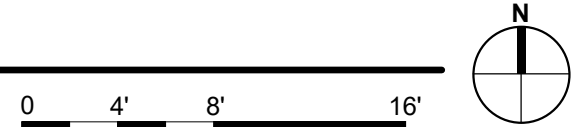
DWG. OF:

**VA**

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



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



100% CD		03/30
No	REVISION	DATE

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ELECTRICAL  
55000

05-06-2022

DRAWING TITLE

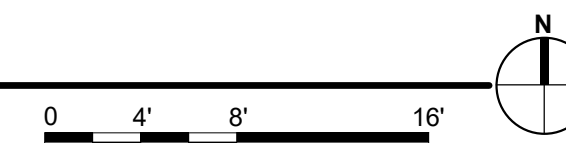
BASEMENT FLOOR PLAN - ELECTRICAL

PROJECT TITLE	EHRM INFRASTRUCTURE UPGRADES		DATE	03/30/2022	
BUILDING NO.	111	CHECKED BY	TBD	DRAWN	GJL
LOCATION	VA MEDICAL CENTER ST. CLOUD, MN 56303		PROJECT NO.	656-21-235	
	FULLY SPRINKLERED		DRAWING NO.	111-E200	
	DWS. OF				

**VA**

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





No	REVISION	DATE

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PROJECT TITLE		DATE: 03/30/2022	
EHRM INFRASTRUCTURE UPGRADES		PLOT SCALE	
		PROJECT NO. 656-21-235	
BUILDING NO. 111	CHECKED BY TBD	DRAWN GJL	DRAWING NO. 111-E201
LOCATION VA MEDICAL CENTER ST.CLOUD, MN 56303		FULLY SPRINKLERED  DWG. OF	



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No	REVISION	DATE
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REGISTERED PROFESSIONAL  
ENGINEER  
ELECTRICAL  
NO. 00000

05-06-2022

DRAWING TITLE

ELECTRICAL ENLARGED  
PLANS

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

DATE

03/30/2022

PLOT SCALE

PROJECT NO.

656-21-235

DRAWING NO.

111-E300

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

- 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: 1
1. COORDINATE FINAL LOCATION OF RECEPTACLE L21-20R WITH TELECOM CONTRACTOR. PROVIDE 3/4"C-4#12, 1#12 GND TO PANEL FOR EACH RECEPTACLE.

2. PROVIDE EATON BLADEUPS, 5KW, 120/208V, 3-PHASE, A-WIRE RACK MOUNTED UPS FOR EACH RACK TOWER.

3. PROVIDE APC#AP8881 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.

4. VERIFY EXACT CIRCUIT AVAILABILITY IN PANEL.

