

## A

## B

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## 3

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Omaha, NE 68134

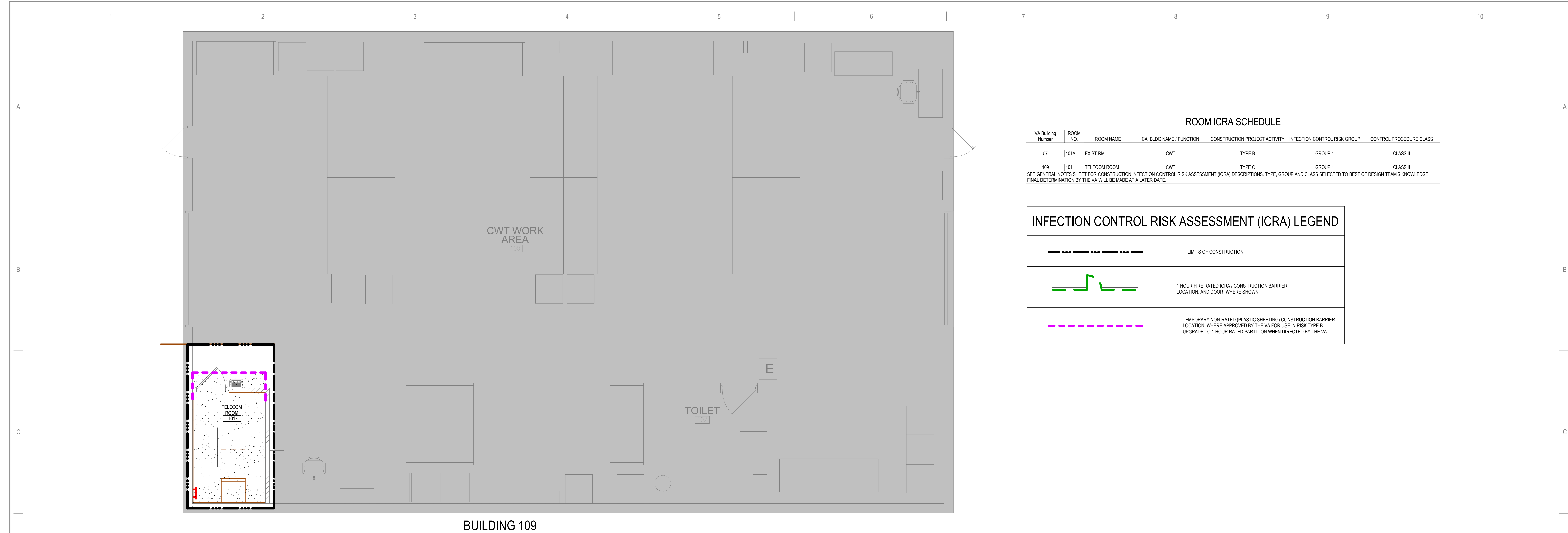
Phone: 402.991.5520  
[www.specializedeng.com](http://www.specializedeng.com)

[illegible]

DRAWING TITLE <b>BUILDINGS 109 &amp; 57 COVER SHEET &amp; SHEET INDEX</b>		PROJECT TITLE <b>EHRM INFRASTRUCTURE UPGRADES</b>		DATE: <b>03/30/2022</b>	
				PLOT SCALE: <b>656-21-235</b>	
				PROJECT NO: <b>109-G1000</b>	
APPROVED: MEDICAL CENTER DIRECTOR		DATE:		DRAWING NO:	
				<b>109-G1000</b>	
		BUILDING NO: <b>109 &amp; 57</b>	CHECKED BY: <b>EM</b>	DRAWN: <b>EM</b>	
		LOCATION VA MEDICAL CENTER ST CLOUD, MN 56301		FULLY SPRINKLERED	COVER OF DWG.



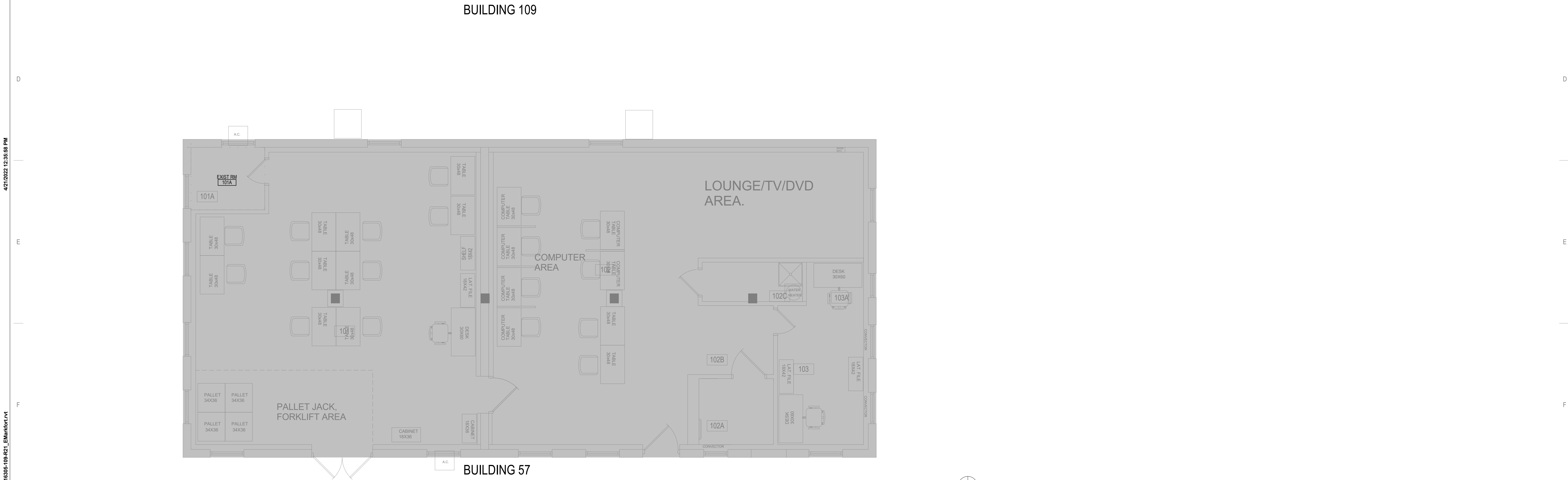




ROOM ICRA SCHEDULE						
VA Building Number	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS
57	101A	EXIST RM	CWT	TYPE B	GROUP 1	CLASS II
109	101	TELECOM ROOM	CWT	TYPE C	GROUP 1	CLASS II

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 FIRST FLOOR - CONST BARRIER PLAN

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

656-21-235

BUILDING NO.

109 & 57

CHECKED BY

EM

DRAWN

BMW

DRAWING NO.

109-G1111

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

C:\Users\Public\Documents\Revit Projects\16305-109-R21\_E\markfort.rvt 4/21/2022 12:38:03 PM



1 FIRST FLOOR - OVERALL PLAN - BUILDINGS 109 AND 57  
1/4" = 1'-0"

**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.

FL20 TELECOM EQUIPMENT. SEE TELECOM DRAWINGS.

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

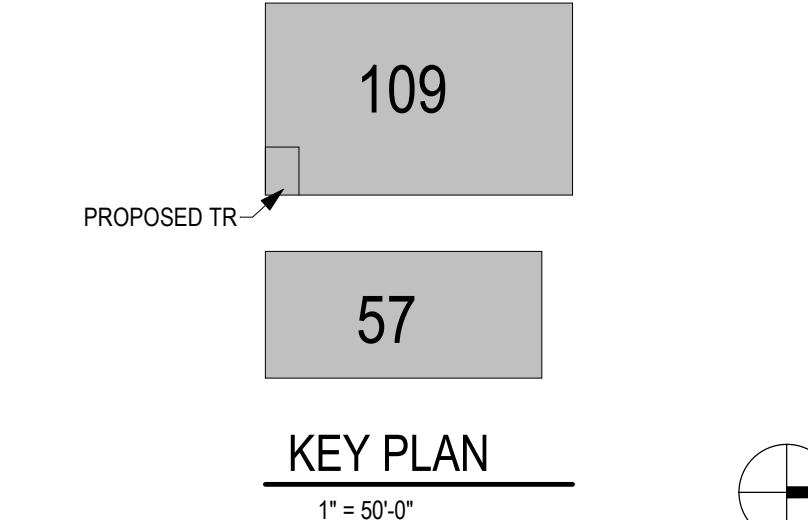
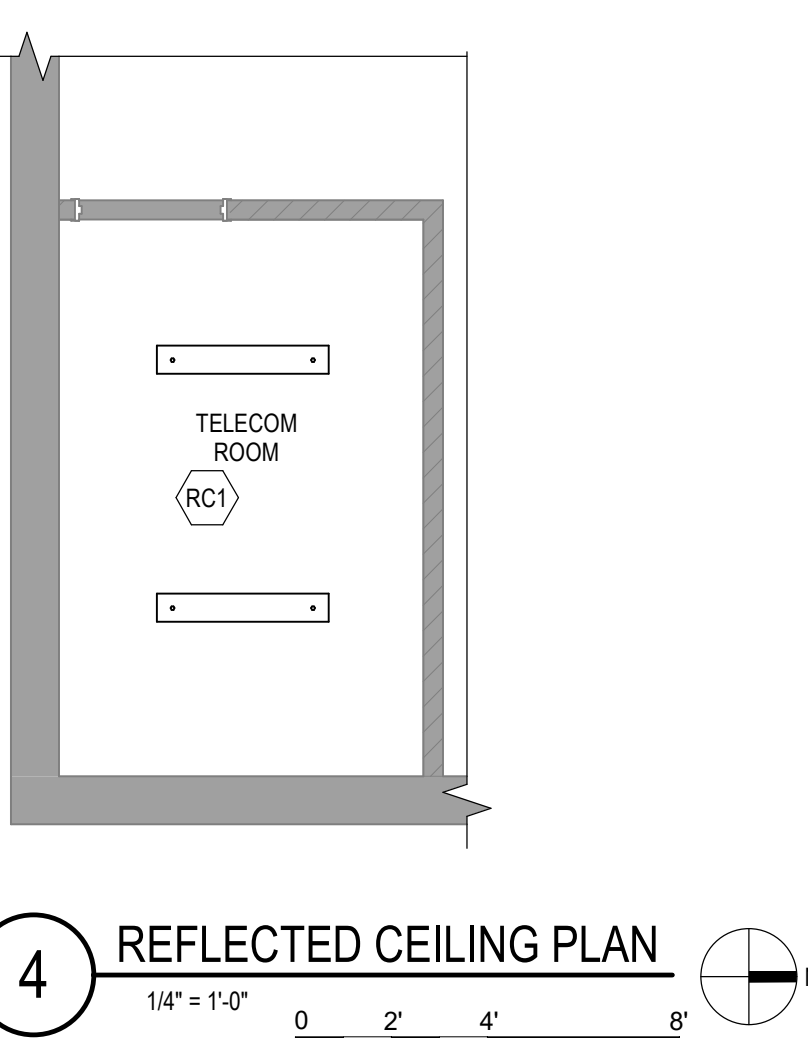
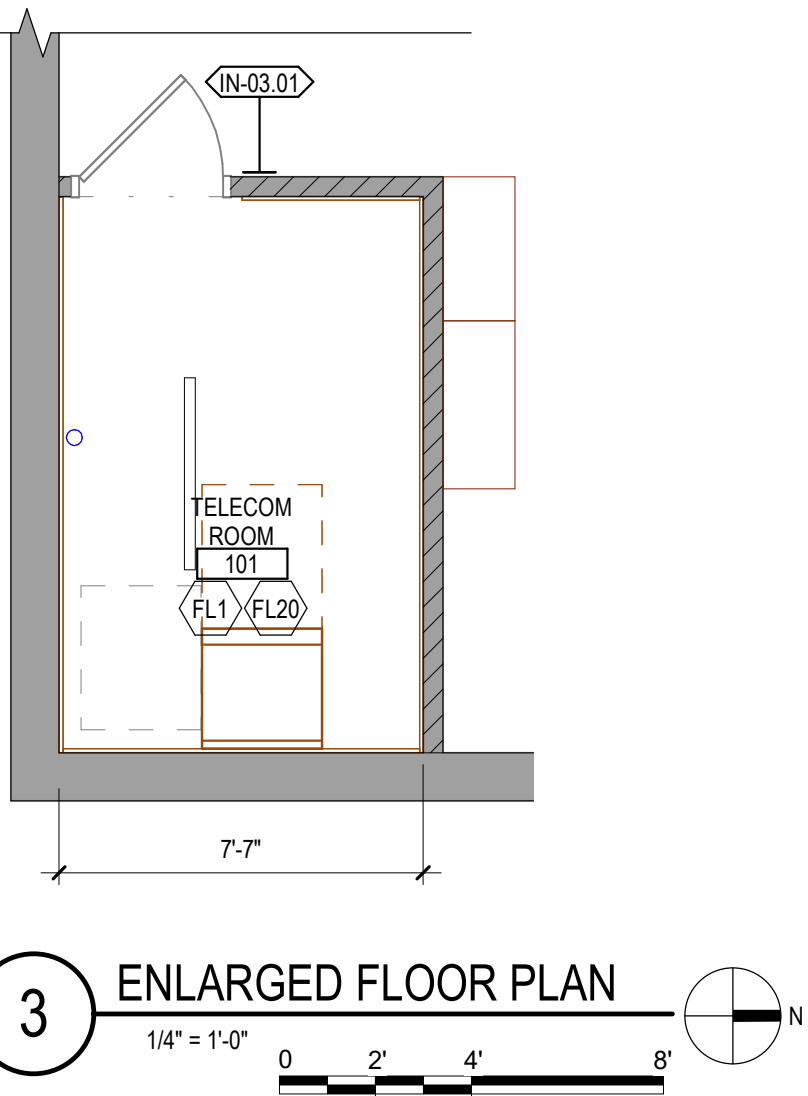
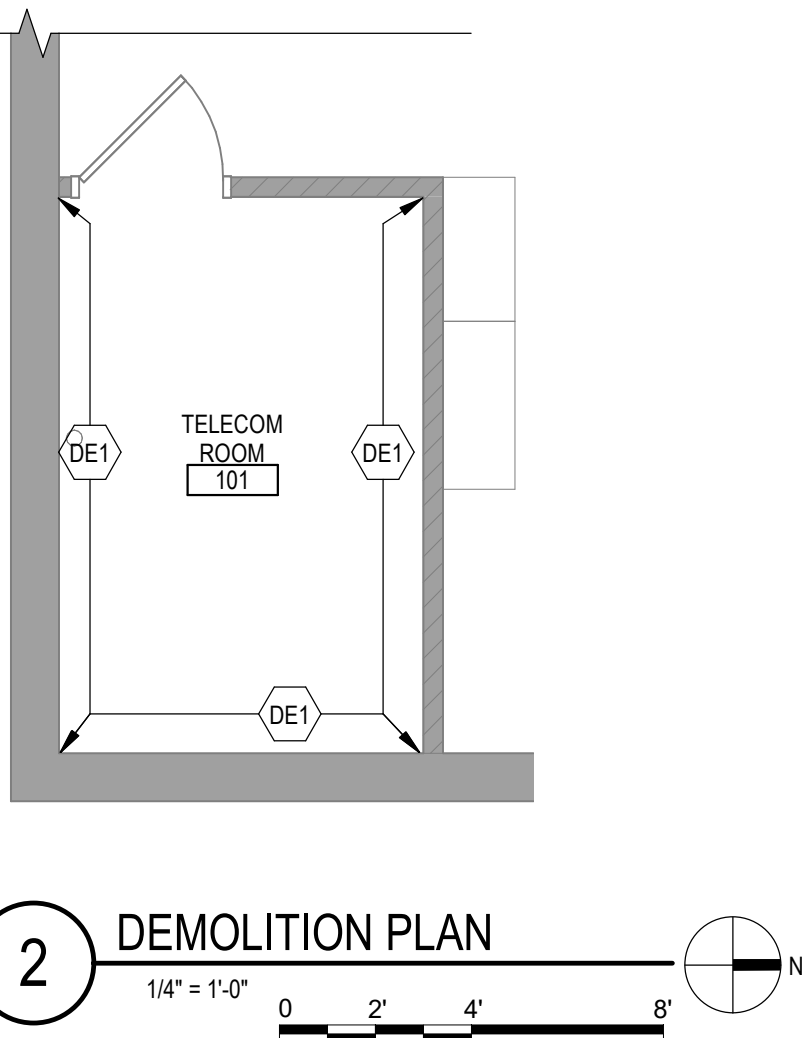
**REFLECTED CEILING PLAN KEYED NOTES**

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.

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

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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 Olesek*

Typed or Printed Name: Tom Olesek

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

DRAWING TITLE

**FIRST FLOOR PLANS  
(BUILDINGS 109 & 57)**

PROJECT FILE

**EHRM INFRASTRUCTURE  
UPGRADES**

DATE: 03/30/2022  
PLOT SCALE: 1/4" = 1'-0"

BUILDING NO: 109 & 57  
CHECKED BY: EM  
DRAWN BY: EM

DRAWING NO: 109-AS110  
FULLY SPRINKLERED

LOCATION: VA MEDICAL CENTER  
ST. CLOUD, MN 56303

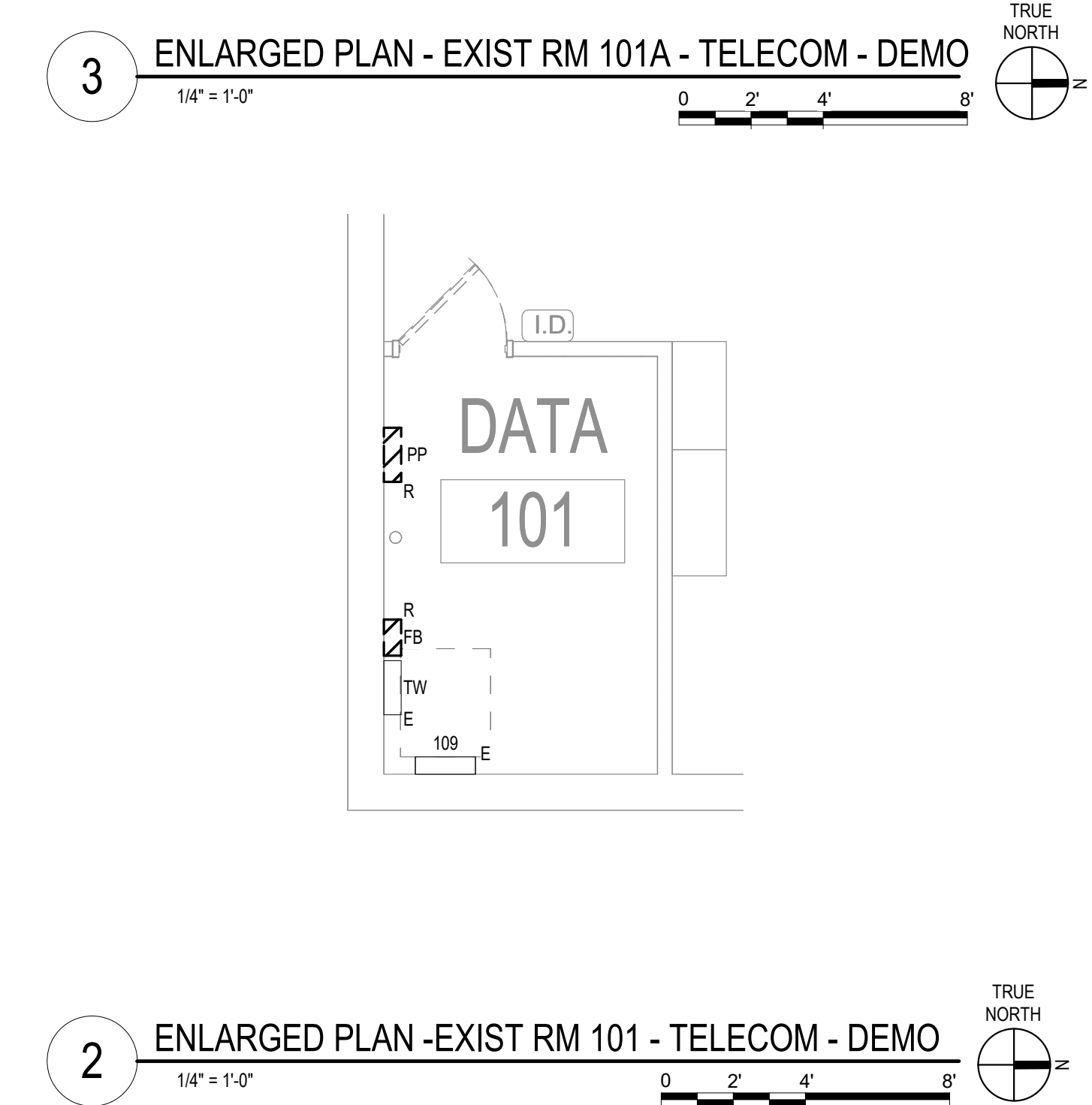
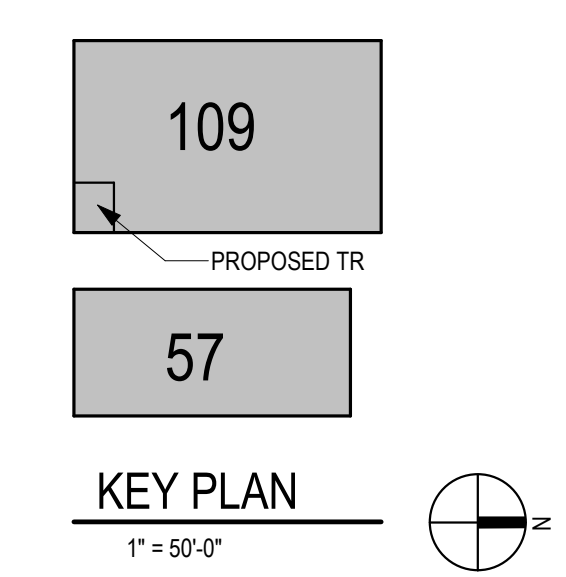
DWG. OF:  


**VA**

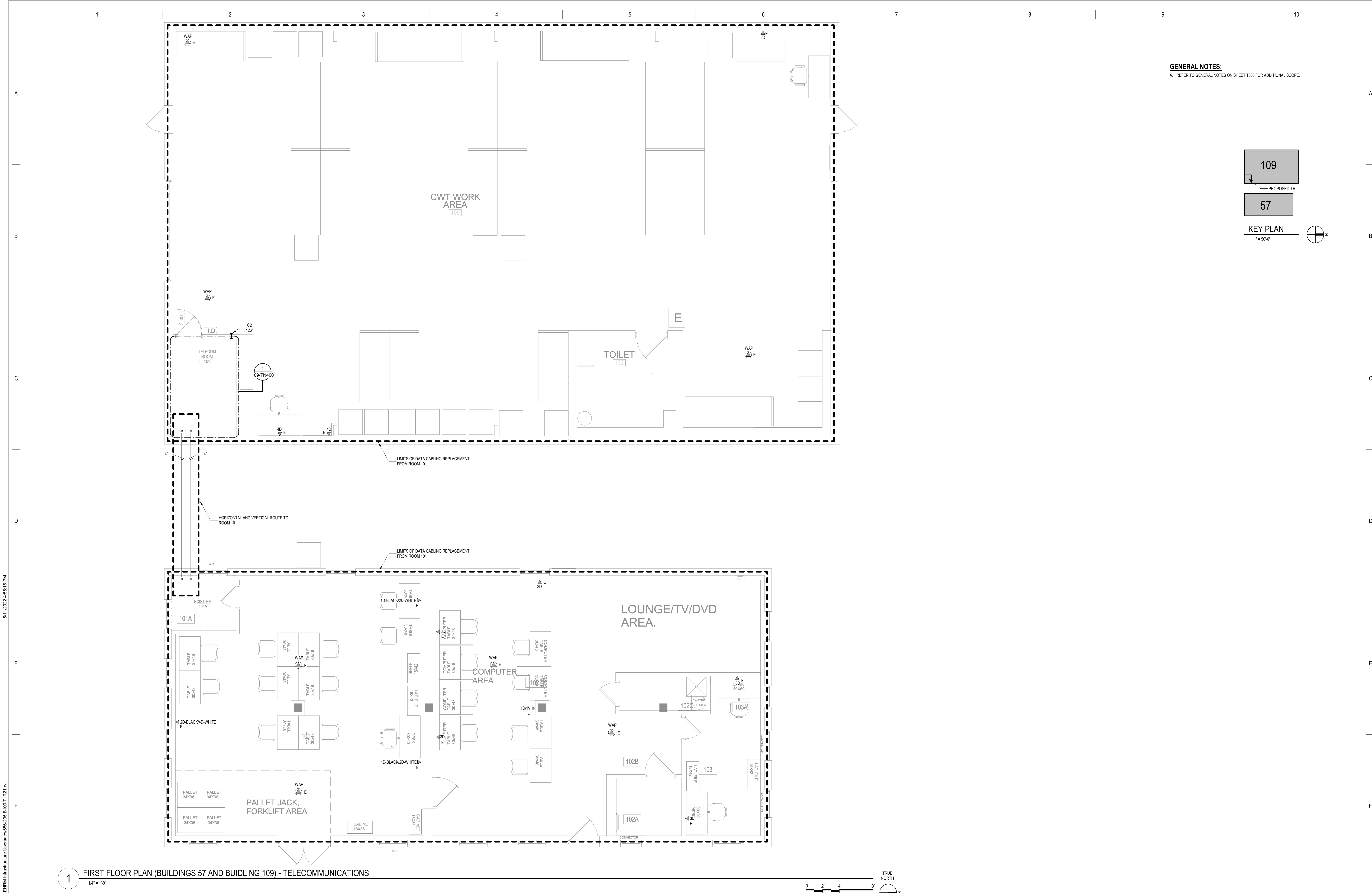
**U.S. Department  
of Veterans Affairs**

Veterans Health  
Administration  
St. Cloud VA  
Health Care System





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		10300 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com		13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   a-e-mn.com Anderson Engineering of Minnesota, LLC   Proj # 16305								PROJECT TITLE <b>FIRST FLOOR PLAN - TELECOM - DEMOLITION</b>		DATE <b>03/30/2022</b>	
												PROJECT NO <b>656-21-235</b>		PROJECT NO <b>656-21-235</b>	
												BILLING TO <b>109 &amp; 57</b>		CHECKED BY <b>KSB</b>	
												DRAWN BY <b>SSK</b>		DRAWN BY <b>109-TD110</b>	
												LOCATION VA MEDICAL CENTER ST CHARLES, MO 63043		FULLY SPRING-RENDERED	
												DWS OF		DWS OF	



1 FIRST FLOOR PLAN (BUILDINGS 57 AND BUILDING 109) - TELECOMMUNICATIONS  
1/4" = 1'-0"

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No	REVISION	DATE

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Bicsi

Nathan Timm  
BICS I ID # 346555  
EXPIRES 12-31-24

DRAWING TITLE

FIRST FLOOR PLAN -  
TELECOMMUNICATIONS

PROJECT FILE

EHRM INFRASTRUCTURE  
UPGRADES

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

BUILDING NO.  
109 & 57

CHECKED BY  
KSB

DRAWN  
SSK

LOCATION  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

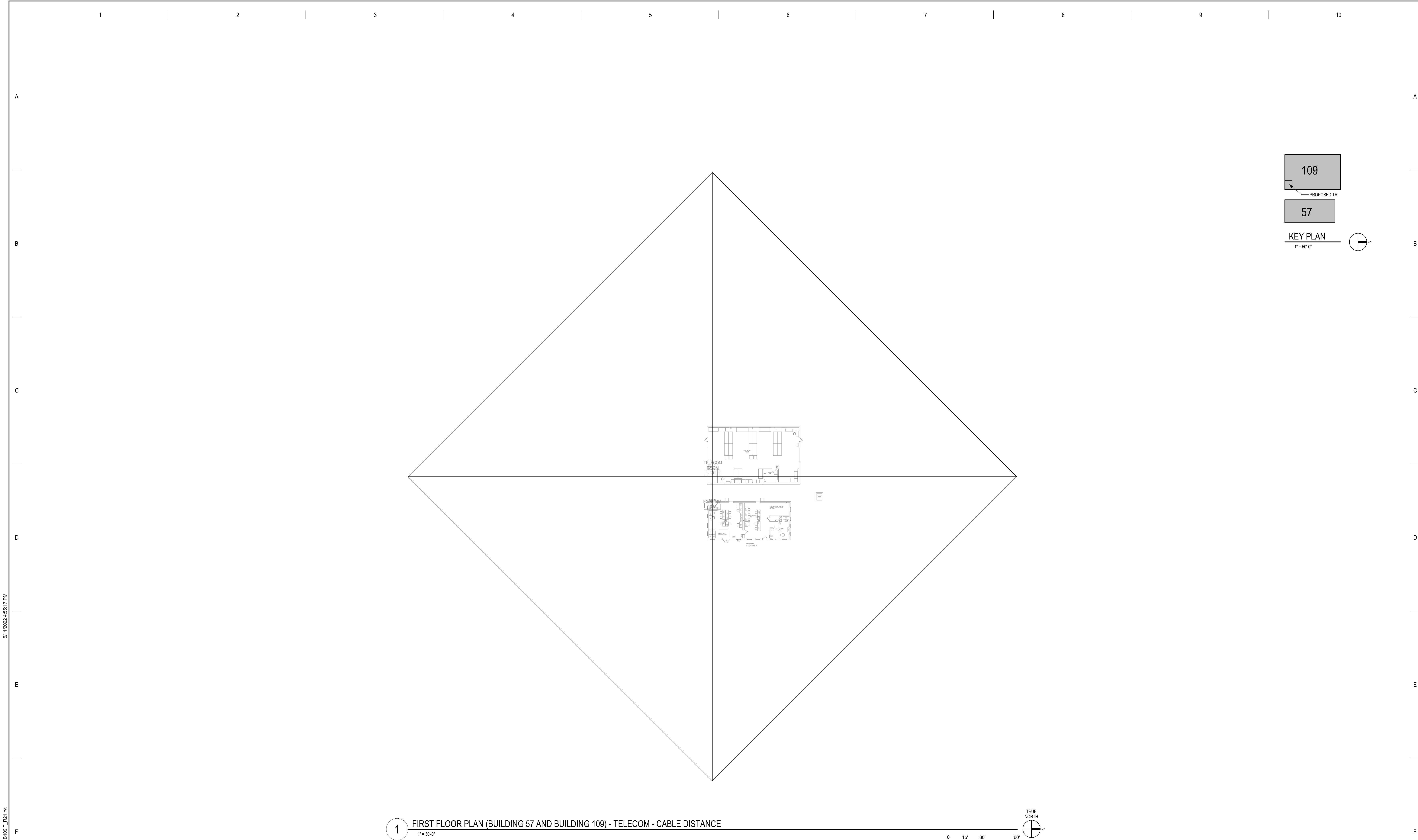
FULLY  
SPRINKLERED

DWG. OF

VA

U.S. Department  
of Veterans Affairs

Veterans Health  
Administration  
St. Cloud VA  
Health Care System



1 FIRST FLOOR PLAN (BUILDING 57 AND BUILDING 109) - TELECOM - CABLE DISTANCE  
1" = 30'-0"



No	REVISION	DATE

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

*Nathan M. Timm*  
Nathan M. Timm

DRAWING TITLE

FIRST FLOOR PLAN -  
TELECOM - CABLE DISTANCE

PROJECT TITLE		DATE	
EHRM INFRASTRUCTURE UPGRADES		03/30/2022	
BUILDING NO.		CHECKED BY	DRAWN
109 & 57	KSB	SSK	
LOCATION		DRAWING NO.	
VA MEDICAL CENTER ST. CLOUD, MN 56303		109-TN210	
FULLY SPRINKLERED		DWS. OF	

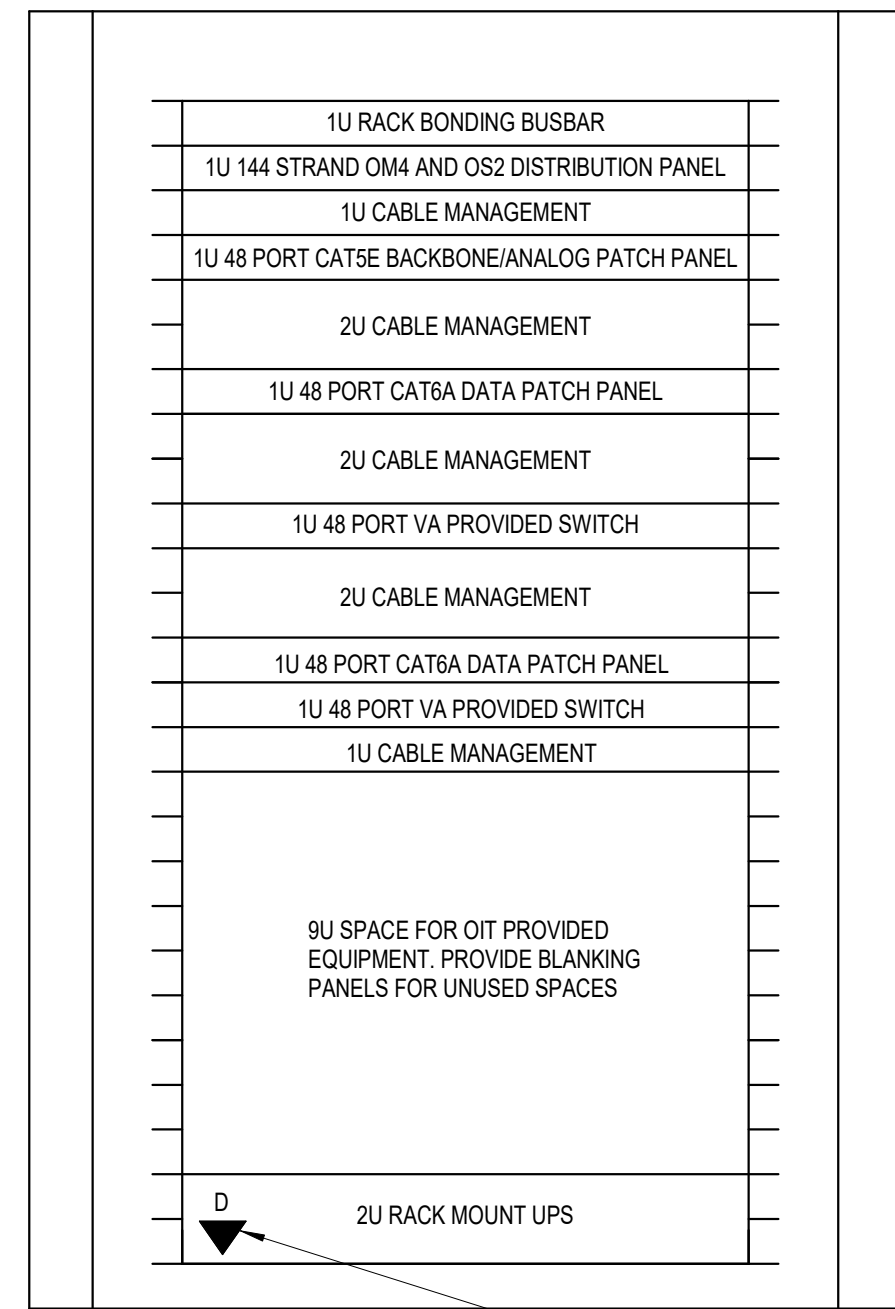
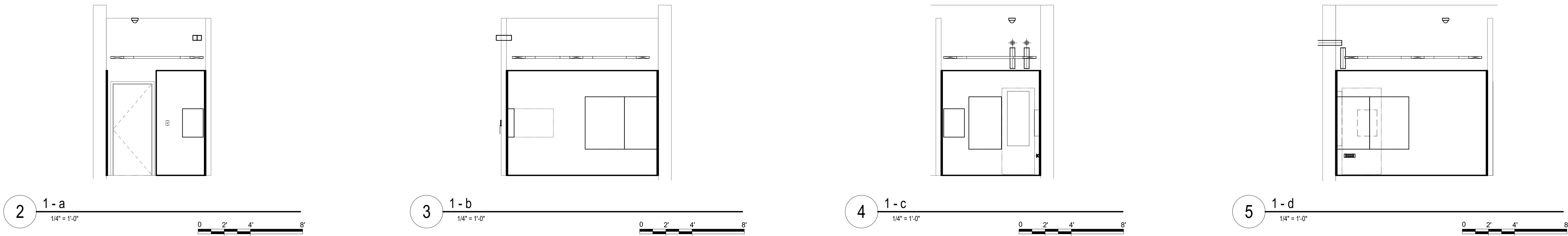


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Administration  
St. Cloud VA  
Health Care System

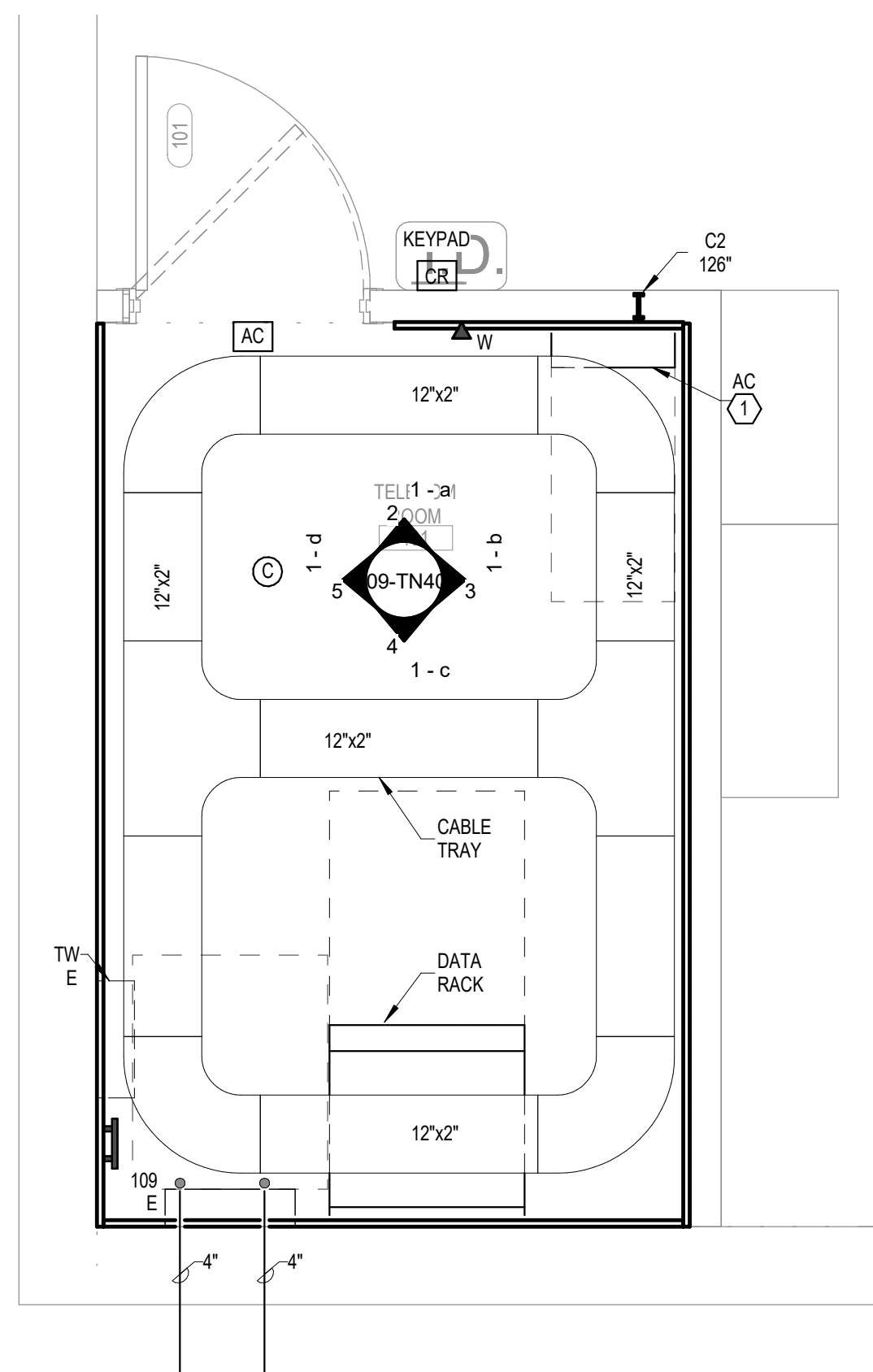
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A  
B  
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E  
F



- 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 SUI 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 WALL CABINET (TE) ELEVATION - EXIST TR 101 (BUILDING 109)  
NOT TO SCALE



1 ENLARGED PLAN - EXIST TR 101 (BUILDING 109) - TELECOM - CABLE TRAY AND DATA  
1/2" = 1'-0"

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

**SHEET NOTES:**  
1. 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 101 (BUILDING 109)  
EXISTING CABLE COUNT  
DATA (CAT6): 0  
DATA (CAT5e): 56  
DATA (CAT5): 0  
DATA (CAT3): 0  
CABLE RELOCATION COUNT  
DATA (CAT6): 0  
DATA (CAT5e): 32 FROM ROOM 101A (BUILDING 57)  
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 (CAT6A): 88  
DATA (CAT6): 0

No	REVISION	DATE

CONSULTANT

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

*Nathan M. Timm*

DRAWING TITLE

ENLARGED PLANS (B57 AND B109) - TELECOMMUNICATIONS

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

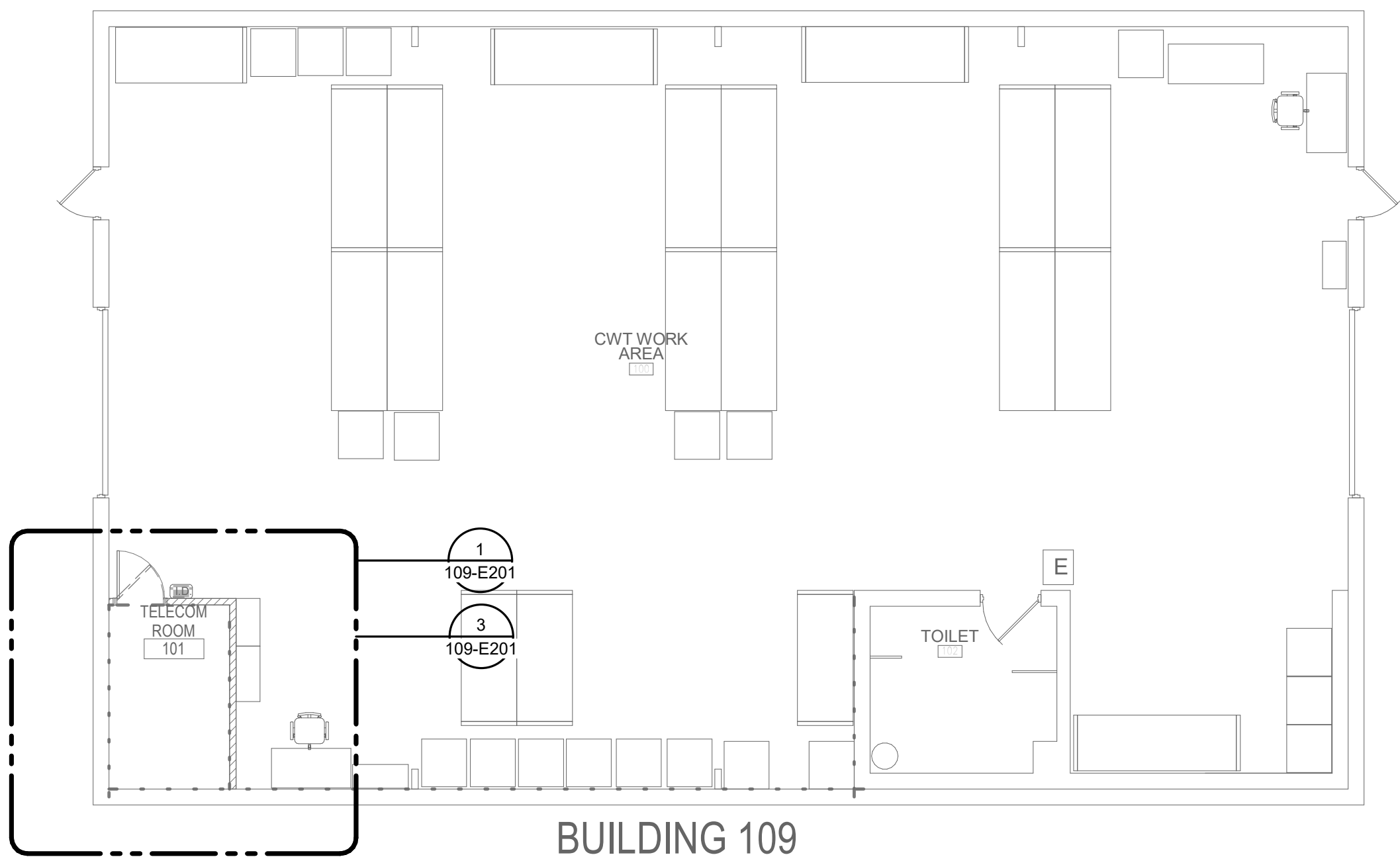
DATE: 03/30/2022  
PLOT SCALE:  
PROJECT NO: 656-21-235  
DRAWING NO: 109-TN400

BUILDING NO: 109 & 57  
CHECKED BY: KSB  
DRAWN: SSK  
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303  
FULLY SPRINKLERED  
DWS OF

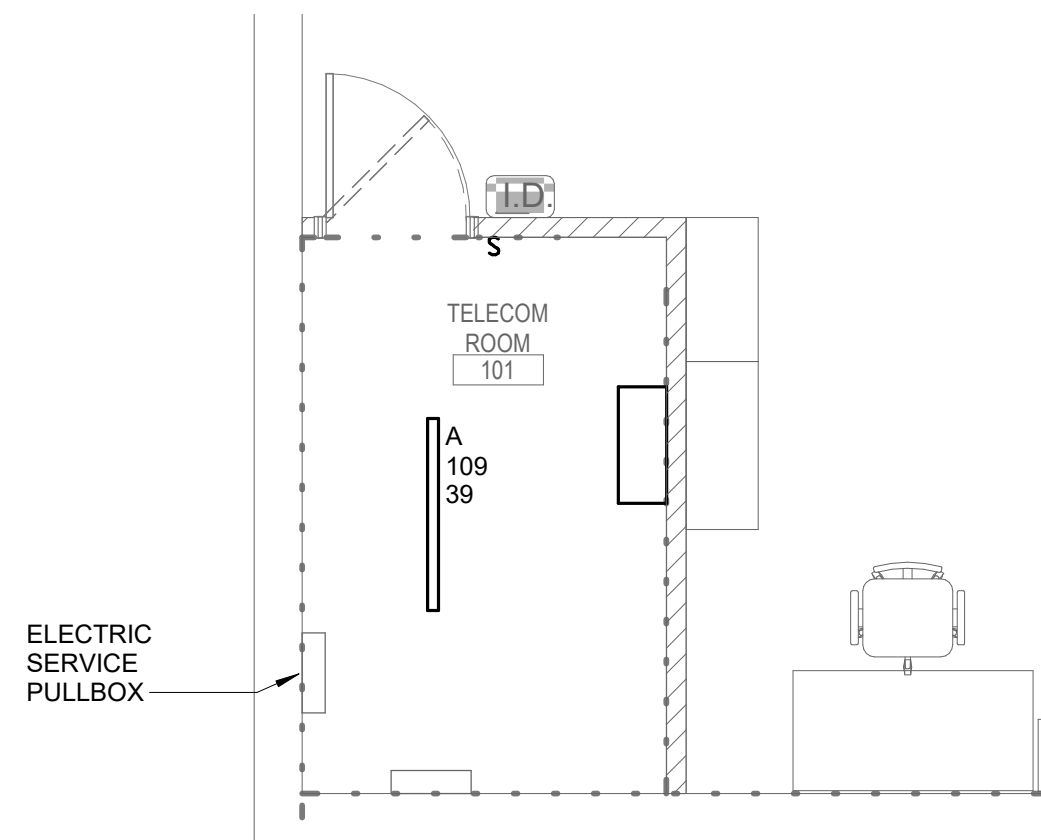
**VA**

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

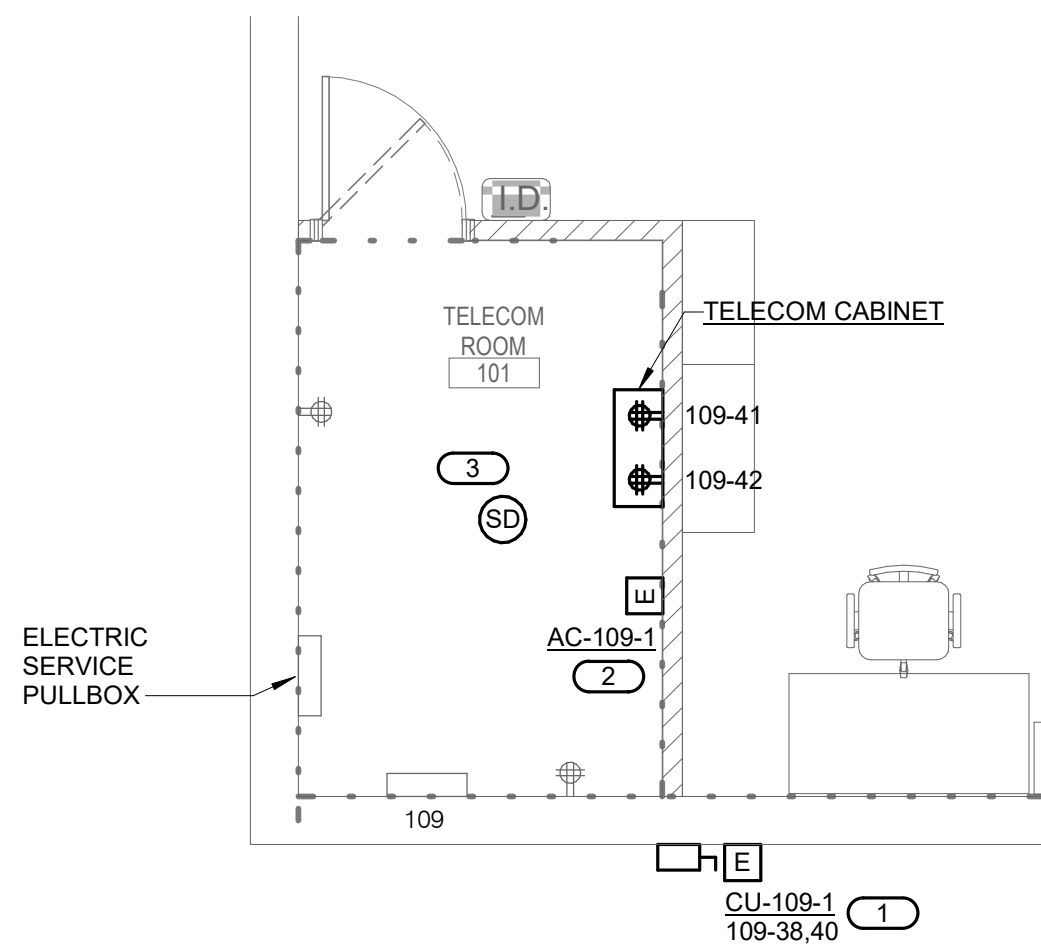
- KEYNOTES: (#)
1. PROVIDE ELECTRICAL CONNECTION TO CONDENSING UNIT, AS REQUIRED. COORDINATE FINAL LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL.
  2. INDOOR UNIT TO BE POWERED BY OUTDOOR UNIT. COORDINATE EXACT LOCATION WITH M.C.
  3. CONNECT SMOKE DETECTOR TO NEAREST EXISTING SLC.



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



1 FIRST FLOOR PLAN - TR 101 - LIGHTING  
NO SCALE



3 FIRST FLOOR PLAN - TR 101 - POWER & SYSTEM  
NO SCALE

BIM 360/2102.001 - VA St Cloud EHRM Infrastructure Upgrades 656-235 B109 E\_R21.rvt 5/6/2022 12:03:46 PM

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DRAWING TITLE

FIRST FLOOR PLAN -  
ELECTRICAL

PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
PLOT SCALE	
PROJECT NO.	DRAWING NO.
656-21-235	109-E201
BUILDING NO.	CHECKED BY
109	TBD
LOCATION	DRAWN
VA MEDICAL CENTER ST. CLOUD, MN 56303	GJL
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 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 1/109-M101; #

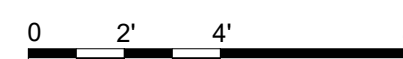
1. EXISTING 2" DOMESTIC WATER SERVICE TO BE REMOVED WHERE SHOWN AND REROUTED. PREPARE FOR RECONNECTION.
2. EXISTING FIRE SPRINKLER HEAD AND BRANCH LINE TO BE REMOVED WHERE SHOWN AND REROUTED. PREPARE FOR RECONNECTION.

CWT WORK  
AREA

100

**1 FIRST FLOOR DEMOLITION**  
1/4" = 1'-0"

1/4" = 1'-0"



	<b>100% CD</b>	<b>03/30</b>
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: MN# \_\_\_\_\_

DRAWING TITLE

**FIRST FLOOR  
DEMOLITION -  
MECHANICAL**

PROJECT TITLE  
**EHRM  
INFRASTRUCTURE  
UPGRADES**

BUILDING No <b>109</b>	CHECKED BY <b>RDL</b>	DRAWN <b>DJC</b>
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303		FULLY SPRINKLERED

DATE:	03/30/2022
PLOT SCALE	
PROJECT NO.	050-01-000

DRAWING NO.	109-M1
DWG. OF	



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

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 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.

1. PROVIDE NEW WALL MOUNTED SPLIT SYSTEM AC UNIT.
2. PROVIDE CONDENSATE PUMP.
3. ROUTE NEW 1" PUMPED CONDENSATE LINE TO FLOOR DRAIN IN TOILET ROOM 102, APPROXIMATELY 35 FEET EAST.
4. ROUTE REFRIGERANT PIPING TO NEW AIR-COOLED CONDENSING UNIT.
5. PROVIDE NEW AIR-COOLED CONDENSING UNIT ON GRADE. PROVIDE CONCRETE PAD. REFER TO REFRIGERANT PIPING DETAIL 1/0-GM400 AND PAD MOUNTING DETAIL 3/0-GM401
6. PROVIDE NEW THERMOSTAT.
7. REROUTE AND RECONNECT 2" DOMESTIC WATER LINE.
8. REROUTE AND RECONNECT FIRE SPRINKLER BRANCH LINE. PROVIDE NEW SPRINKLER HEAD.
9. PROVIDE DRIP PAN FOR WATER PIPE IN TR ROOM. SEE DETAIL FOR REQUIREMENTS.
10. REFER TO 4/0-GM401 FOR WALL PENETRATION SEALING DETAIL.

