

# BUILDING 28 - EHRM INFRASTRUCTURE UPGRADES

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

### OWNER AND CONSULTANTS:

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EMAIL: Jonathan.West@vcaint.com

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PLYMOUTH, MN 55441

CONTACT: IAN WEBER  
PHONE: 763-412-4000

ARCHITECT:  
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PLYMOUTH, MN 55441

CONTACT: EDWARD MARKFORT  
PHONE: 763-412-4000

STRUCTURAL ENGINEER:  
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CONTACT: ZACHARY CRAIG  
PHONE: 952-854-9302

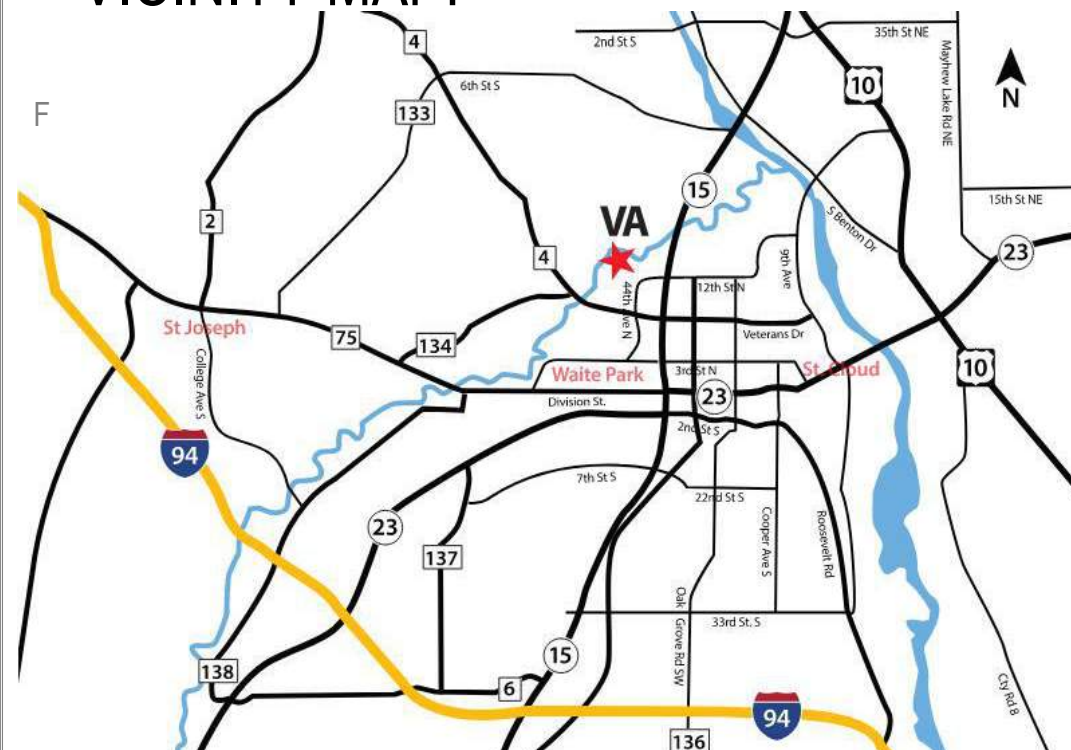
TELECOMMUNICATIONS ENGINEER:  
NAME: SPECIALIZED ENGINEERING SOLUTIONS  
ADDRESS: 10360 ELLISON CIRCLE  
OMAHA, NE 68134

CONTACT: KRIS BURNHAM  
PHONE: 402-991-5520

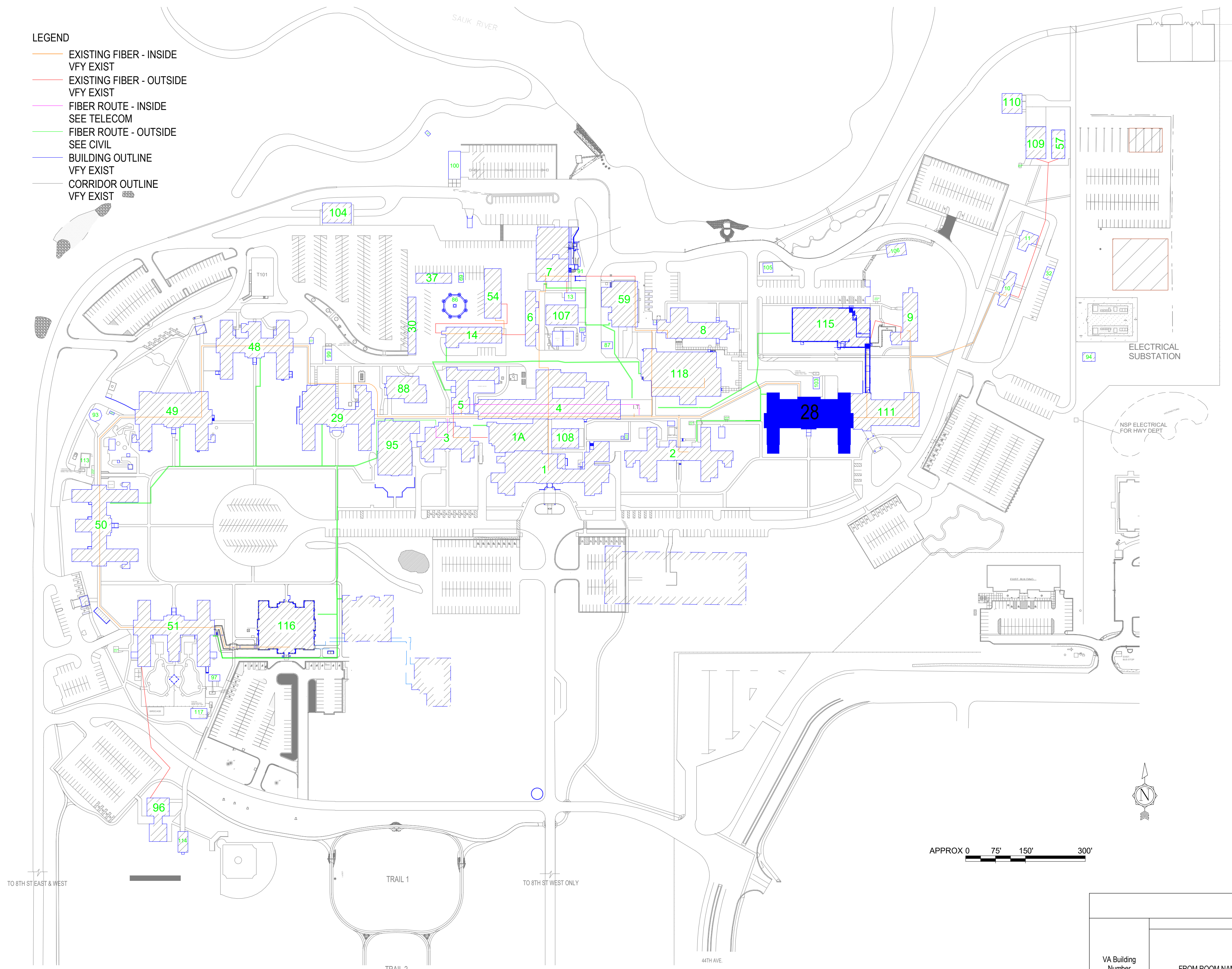
MECHANICAL/PLUMBING ENGINEER:  
NAME: SPECIALIZED ENGINEERING SOLUTIONS  
ADDRESS: 10360 ELLISON CIRCLE  
OMAHA, NE 68134

CONTACT: KRIS BURNHAM  
PHONE: 402-991-5520

### VICINITY MAP:



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



### SHEET INDEX - BUILDING 28

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28-G102	BASEMENT FLOOR - INFECTION CONTROL & PHASING PLAN
28-HA-1A	REFERENCE - BASEMENT FLOOR ASBESTOS RE-SURVEY
28-HA-2A	REFERENCE - FIRST FLOOR ASBESTOS RE-SURVEY
28-HA-3A	REFERENCE - SECOND FLOOR ASBESTOS RE-SURVEY
28-HA-4A	REFERENCE - ATTIC FLOOR ASBESTOS RE-SURVEY
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28-S100	BASEMENT FLOOR PLAN - OVERALL
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28-TD100	BASEMENT FLOOR PLAN - TELECOM - DEMOLITION
28-TD110	FIRST FLOOR PLAN - TELECOM - DEMOLITION
28-TD120	SECOND FLOOR PLAN - TELECOM - DEMOLITION
28-TN100	BASEMENT FLOOR PLAN - TELECOMMUNICATIONS

### SHEET INDEX - BUILDING 28

SHEET NO.	SHEET TITLE
28-TN110	FIRST FLOOR PLAN - TELECOMMUNICATIONS
28-TN120	SECOND FLOOR PLAN - TELECOMMUNICATIONS
28-TN200	BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE
28-TN300	ENLARGED PLANS - TELECOMMUNICATIONS - DEMO
28-TN400	ENLARGED PLANS - TELECOMMUNICATIONS
28-TN401	ENLARGED PLANS - TELECOMMUNICATIONS
28-E200	BASEMENT - ELECTRICAL
28-E201	FIRST FLOOR - ELECTRICAL
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28-E400	ELECTRICAL ONE-LINE DIAGRAMS
28-E500	ELECTRICAL SCHEDULES
28-M100	BASEMENT DEMOLITION - MECHANICAL
28-M200	BASEMENT REMODEL - MECHANICAL
28-M201	FIRST FLOOR REMODEL - MECHANICAL
SEE GENERAL SHEETS FOR ADDITIONAL INFORMATION	

### ROOM SCHEDULE

NO.	NAME	CABLING	PATCH PANEL	FIBER	POWER	BONDING	UPS	DEDICATED COOLING	TEMPERATURE	HUMIDITY	RACK SENSOR	SPACE	AREA	WIDTH (FT)	LENGTH (FT)	REMARKS
BASEMENT																
003	STAIR HALL												66 SF			MODIFIED FOR TELECOM ROOM. SEE MECH DRAWINGS FOR ADDITIONAL REMARKS
003A	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	100 SF	10.0	10.0	CONSTRUCT TO EHRM TELECOM ROOM STANDARDS. SEE TELECOM DRAWINGS AND STRUCTURAL DRAWINGS
066	STAIR HALL												69 SF			MODIFIED FOR TELECOM ROOM. SEE MECH DRAWINGS FOR ADDITIONAL REMARKS
066A	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	122 SF	12.3	10.0	CONSTRUCT TO EHRM TELECOM ROOM STANDARDS. SEE TELECOM DRAWINGS AND STRUCTURAL DRAWINGS
068	EXIST RM												39 SF	5.9	6.7	DECOMMISSION EXIST IT/DATA ROOM. SEE TELECOM DRAWINGS
SECOND FLOOR																
228	EXIST RM												79 SF	5.3	13.1	DECOMMISSION EXIST IT/DATA ROOM. SEE TELECOM DRAWINGS

### HAZARDOUS MATERIAL SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	QUESTIONABLE HAZARDOUS ELEMENT	POSSIBLE ABATEMENT ACTION
BASEMENT	003	STAIR HALL	NONE SEE 28-HA-1A	CONFIRM WITH COR. ABATEMENT COMPLETE UNDER SEPARATE CONTRACT
BASEMENT	003A	TELECOM ROOM	NONE SEE 28-HA-1A	CONFIRM WITH COR. ABATEMENT COMPLETE UNDER SEPARATE CONTRACT
BASEMENT	066	STAIR HALL	ACM SEE 28-HA-1A, CONFIRM LEAD IN PAINTED WALL BASEBOARD	REMOVE HAZARDOUS MATERIAL UNDER FULL CONTAINMENT
BASEMENT	066A	TELECOM ROOM	ACM SEE 28-HA-1A, CONFIRM LEAD IN PAINTED WALL BASEBOARD	REMOVE HAZARDOUS MATERIAL UNDER FULL CONTAINMENT
BASEMENT	068	EXIST RM	NONE SEE 28-HA-1A	NONE, ACM TO REMAIN UNDISTURBED
SECOND FLOOR	228	EXIST RM	NONE	CONFIRM WITH COR. ABATEMENT COMPLETE UNDER SEPARATE CONTRACT

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	003	STAIR HALL	PRIMARY CARE / MH & B	TYPE C	GROUP 1	CLASS II	EAST	ZONE28B	DAY
BASEMENT	003A	TELECOM ROOM	PRIMARY CARE / MH & B	TYPE C	GROUP 1	CLASS II	EAST	ZONE28B	DAY
BASEMENT	066	STAIR HALL	PRIMARY CARE / MH & B	TYPE D	GROUP 1	CLASS II/IV	EAST	ZONE28A	DAY
BASEMENT	066A	TELECOM ROOM	PRIMARY CARE / MH & B	TYPE D	GROUP 1	CLASS II/IV	EAST	ZONE28A	DAY
BASEMENT	068	EXIST RM	PRIMARY CARE / MH & B	TYPE B	GROUP 1	CLASS II	EAST	OCCUPIED CONSTRUCTION	DAY
SECOND FLOOR	228	EXIST RM	PRIMARY CARE / MH & B	TYPE B	GROUP 3	CLASS II	EAST	OCCUPIED CONSTRUCTION	DAY

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

### LEAK PREVENTION / DIVERTER SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	OVERHEAD LEAK DIVERTER AND DRAIN PIPING	LEAK PREVENTION BARRIER WATERPROOFING
BASEMENT	003	STAIR HALL		
BASEMENT	003A	TELECOM ROOM		
BASEMENT	066	STAIR HALL		
BASEMENT	066A	TELECOM ROOM		
BASEMENT	068	EXIST RM		
SECOND FLOOR	228	EXIST RM		

SEE GENERAL NOTES SHEET FOR DETAIL. MMP = MEMBRANE WATERPROOFING. MASONRY = FLUID-APPLIED WATERPROOFING. INT = INTERIOR, EXT = EXTERIOR

### OPENING SCHEDULE

VA Building Number	ASSOCIATED ROOMS			OPENING		PANEL INFORMATION		FRAME INFORMATION		NEW GROUP	FIRE LABEL (MIN)	ELECTRICAL CABINET	ELECTRICAL IS LABEL	COMMENTS
	FROM ROOM NAME	TO ROOM NAME	NUMBER	WIDTH	HEIGHT	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING	FRAME TYPE					
28	STAIR HALL	TELECOM ROOM	003A	3'-0"	7'-0"	WD-F	NONE	HMS-1	NONE	HW-3-2B	45	Y	Y	
28	STAIR HALL	TELECOM ROOM	066A	3'-0"	7'-0"	WD-F	NONE	HMS-1	NONE	HW-3-2B	45	Y	Y	

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

**APPROVED:** DATE APPROVED PROJECTOR 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 APPROVED MEDICAL CENTER DIRECTOR DATE

**DRAWING TITLE**  
BUILDING 28 COVER SHEET & SHEET INDEX

**PROJECT FILE**  
EHRM INFRASTRUCTURE UPGRADES

**DATE**  
03/30/2022

**PLOT SCALE**  
AS SHOWN

**PROJECT NO.**  
656-21-235

**DRAWING NO.**  
28

**CHECKED BY**  
EM

**DRAWN BY**  
EM

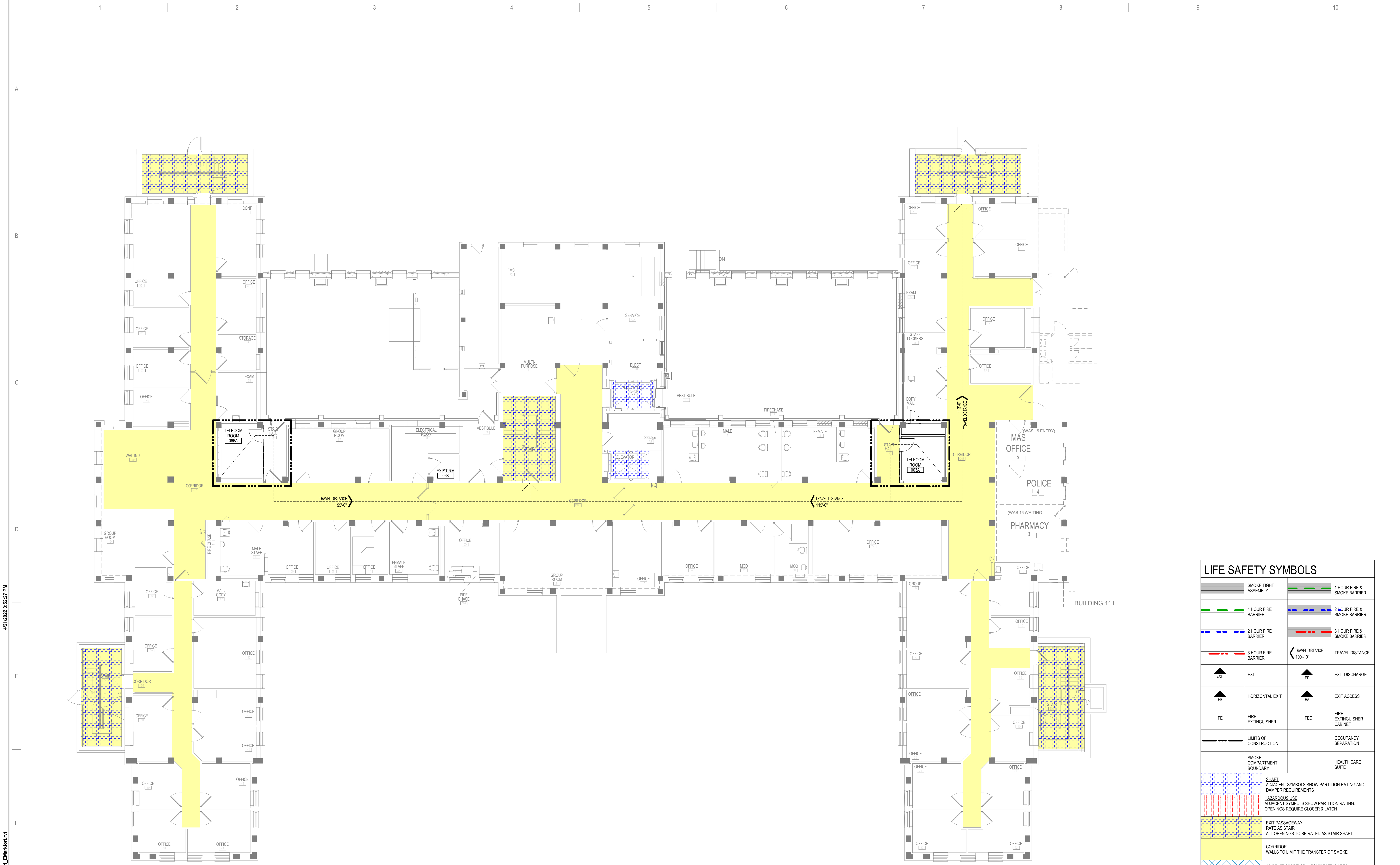
**DATE**  
03/30/2022

**LOCATION**  
VA MEDICAL CENTER ST. CLOUD, MN 56303

**FULLY SPRINKLERED**

**COVER**  
28-G100

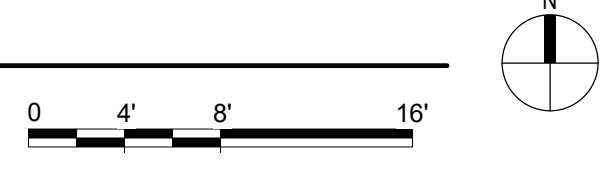
**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System



LIFE SAFETY SYMBOLS			
	SMOKE TIGHT		4 HOUR FIRE & SMOKE BARRIER
	1 HOUR FIRE BARRIER		2 HOUR FIRE & SMOKE BARRIER
	2 HOUR FIRE BARRIER		3 HOUR FIRE & SMOKE BARRIER
	3 HOUR FIRE BARRIER		TRAVEL DISTANCE
	EXIT		EXIT DISCHARGE
	HORIZONTAL EXIT		EXIT ACCESS
	FIRE EXTINGUISHER		FIRE EXTINGUISHER CABINET
	LIMITS OF CONSTRUCTION		OCCUPANCY SEPARATION
	SMOKE COMPARTMENT BOUNDARY		HEALTH CARE SUITE
	SHAFT		HAZARDOUS USE
	EXIT PASSAGEWAY		CORRIDOR
	ADJUNCT CORRIDOR or PSYCHIATRIC AREA or CONSTRUCTED WITH MIN. 4'-0" CLEAR WITH (PER CHAPTER 19)		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

1 BASEMENT LIFE SAFETY PLAN  
1/8" = 1'-0"



NO.	REVISION	DATE

CONSULTANT

**SPECIALIZED ENGINEERING SOLUTIONS**

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

DRAWING TITLE

**BASEMENT FLOOR - LIFE SAFETY PLAN**

PROJECT FILE

**EHRM INFRASTRUCTURE UPGRADES**

DATE: 03/30/2022  
PLOT SCALE: AS SHOWN  
PROJECT NO: 656-21-235  
DRAWING NO: 28-G1100

BUILDING NO: 28  
CHECKED BY: EM  
DRAWN BY: BMW  
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303  
FULLY SPRINKLERED

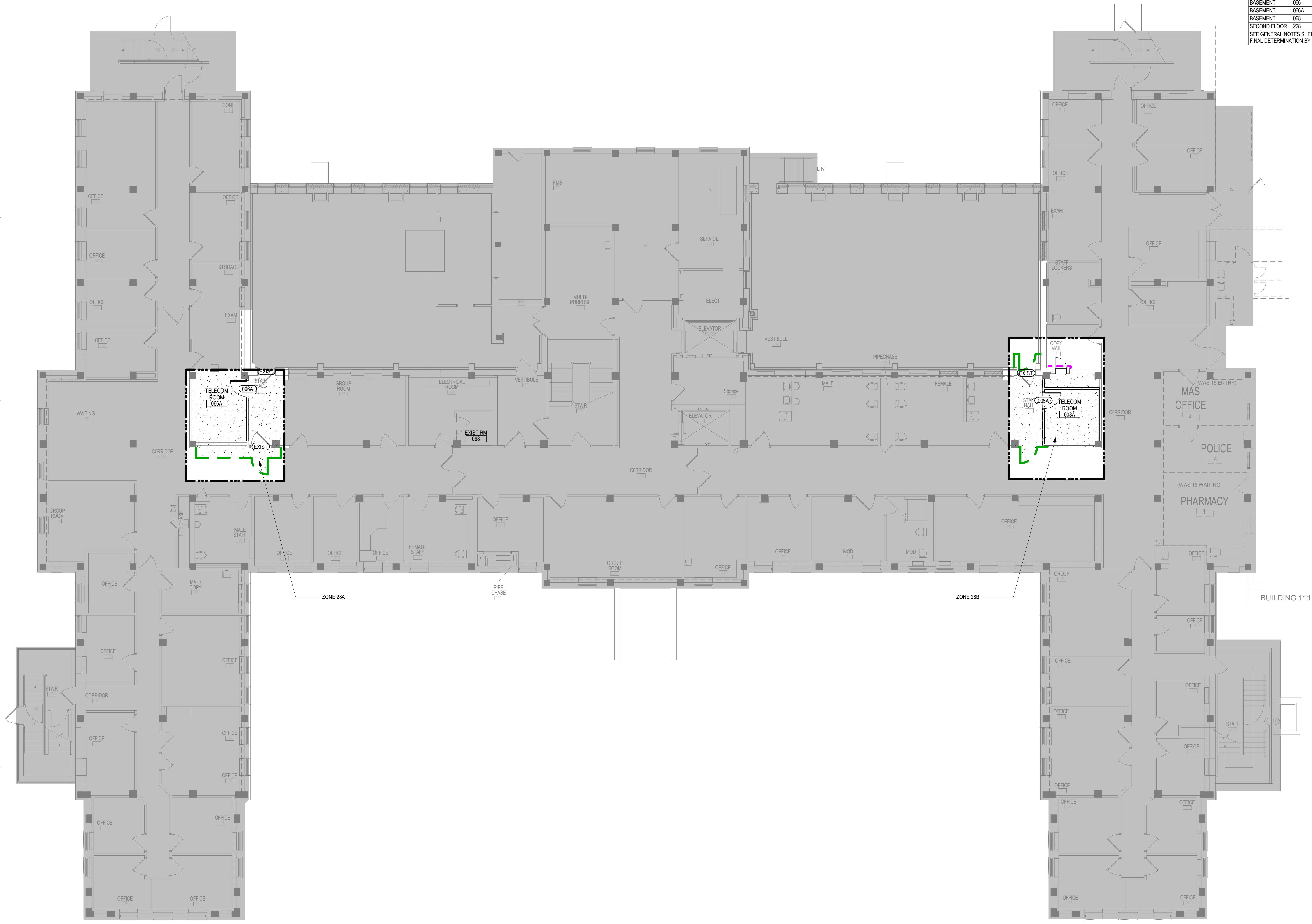
**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System

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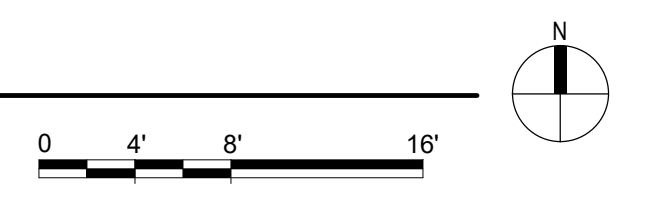
ROOM ICRA SCHEDULE						
LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS
BASEMENT	003	STAIR HALL	PRIMARY CARE / MH & B	TYPE C	GROUP 1	CLASS II
BASEMENT	003A	TELECOM ROOM	PRIMARY CARE / MH & B	TYPE C	GROUP 1	CLASS II
BASEMENT	066	STAIR HALL	PRIMARY CARE / MH & B	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	066A	TELECOM ROOM	PRIMARY CARE / MH & B	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	068	EXIST RM	PRIMARY CARE / MH & B	TYPE B	GROUP 1	CLASS II
SECOND FLOOR	228	EXIST RM	PRIMARY CARE / MH & B	TYPE B	GROUP 3	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 FLOOR - CONST BARRIER PLAN  
1/8" = 1'-0"



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NO.	REVISION	DATE

CONSULTANT

**SPECIALIZED ENGINEERING SOLUTIONS**  
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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

DRAWING TITLE

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

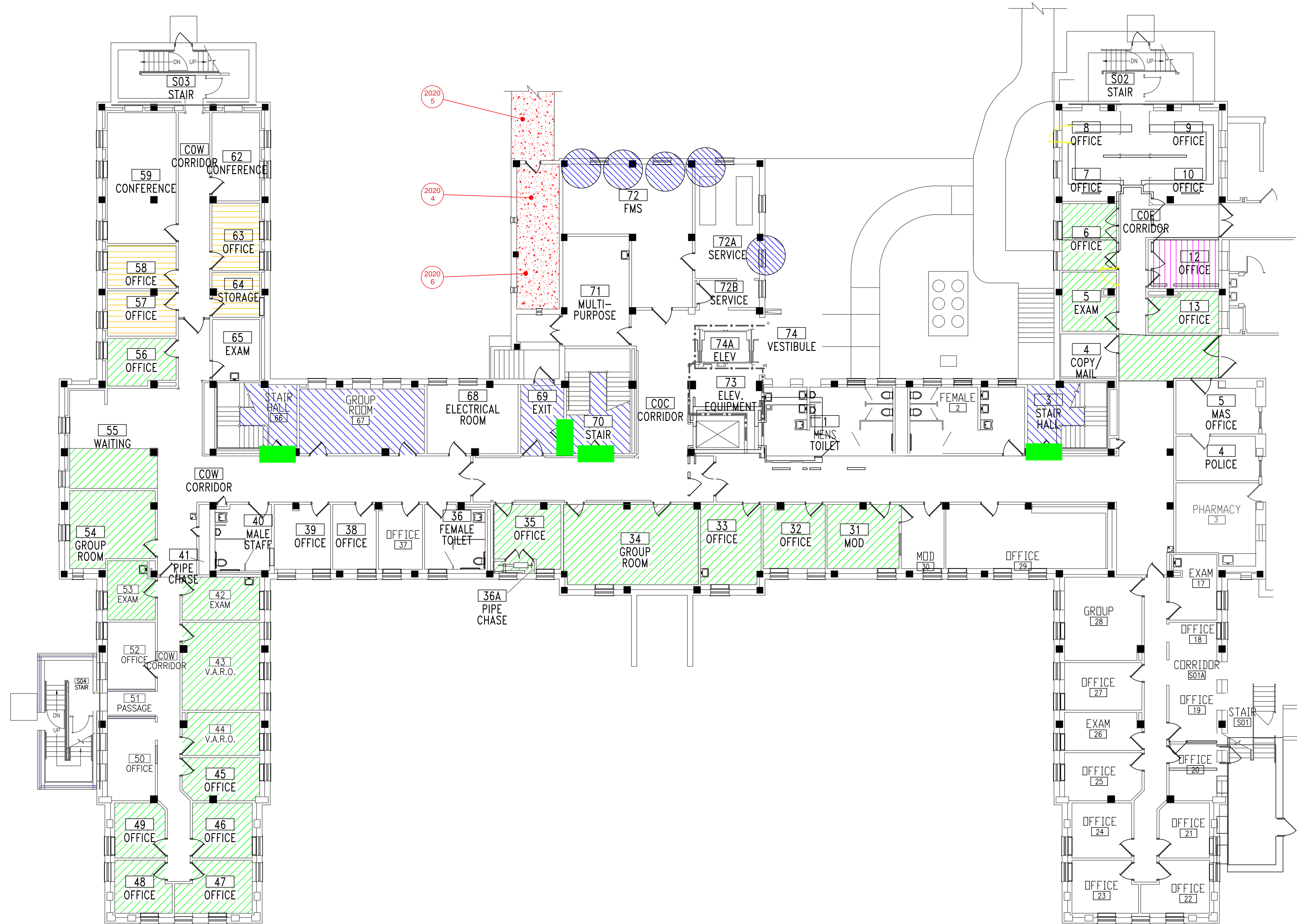
PROJECT FILE

**EHRM INFRASTRUCTURE UPGRADES**

DATE: 03/30/2022  
PLOTSCALE: 1/8" = 1'-0"  
PROJECT NO: 656-21-235  
BUILDING NO: 28  
CHECKED BY: EM  
DRAWN BY: BMW  
DRAWING NO: 28-G101  
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

three eighths inch = 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

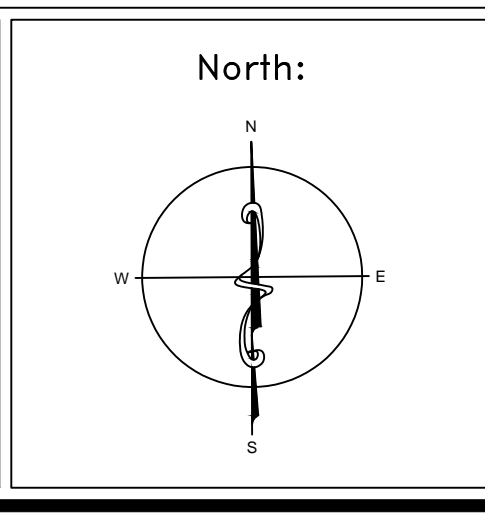


**BUILDING #28 - BASEMENT FLOOR PLAN**

- LEGEND**
- SAMPLE LOCATION
  - POSITIVE SAMPLE LOCATION
  - ASBESTOS-CONTAINING PIPE INSULATION IN CEILING PENETRATIONS
  - ASBESTOS-CONTAINING FIRE DOOR
  - ASBESTOS-CONTAINING DEBRIS IN DIRT CRAWLSPACE
  - ASBESTOS-CONTAINING MASTIC UNDER 12"x12" FLOOR TILE
  - ASBESTOS-CONTAINING MASTIC UNDER CARPET AND FLOOR TILE
  - ASBESTOS-CONTAINING MASTIC UNDER FLOOR FILLER AND CARPET
  - ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET

Revisions	Dates

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



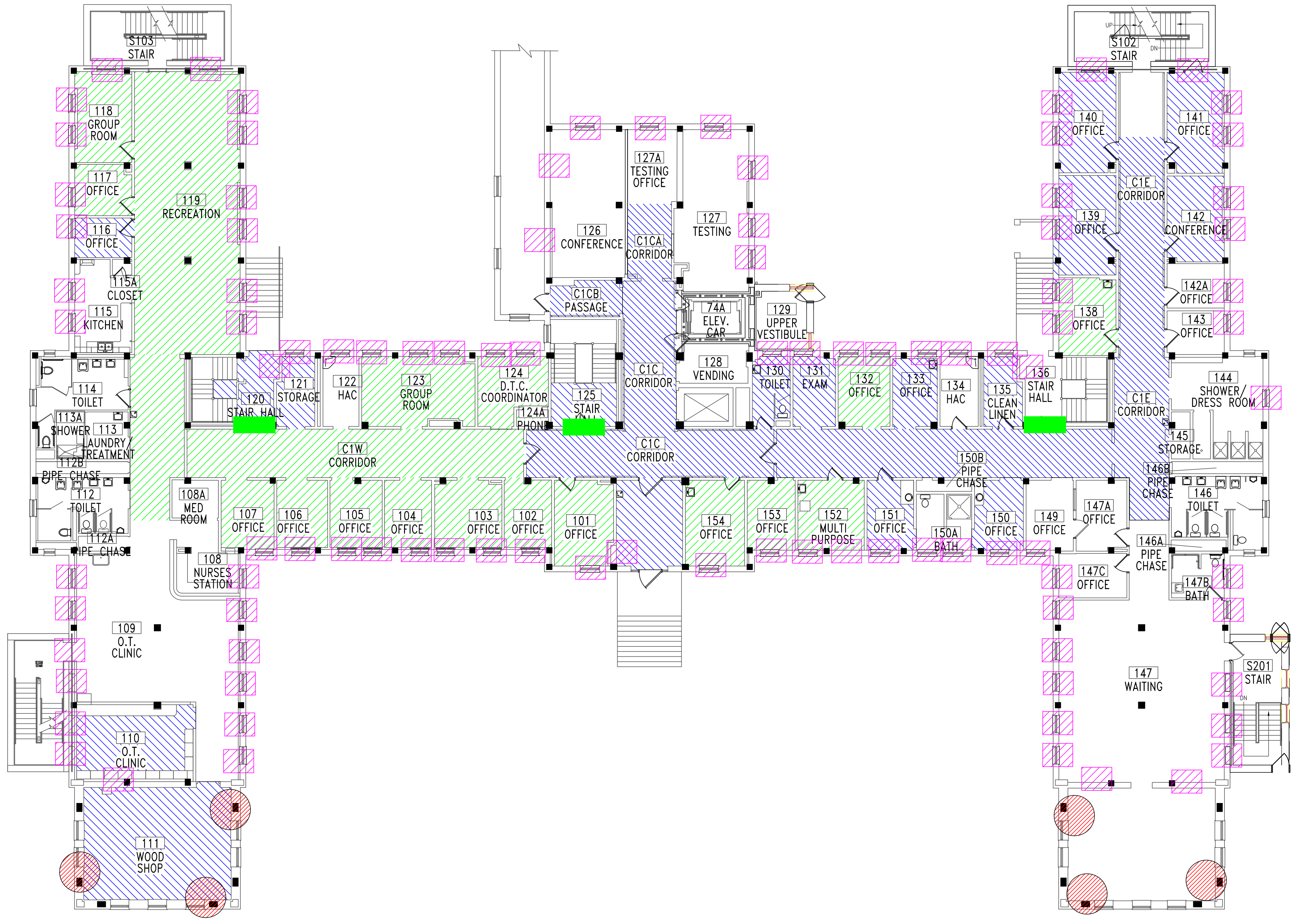
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Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	028	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	1A
Sheet	34 of 71



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

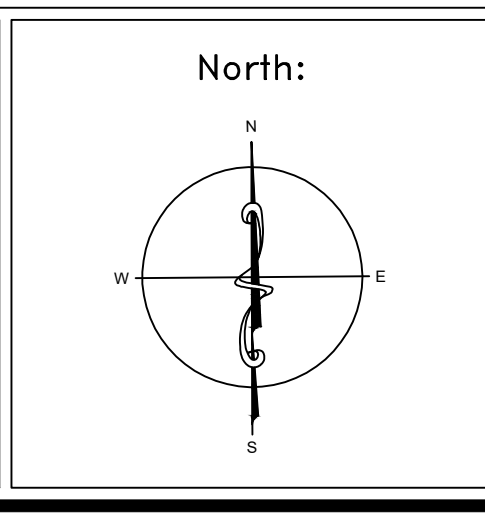


### BUILDING #28 - FIRST FLOOR PLAN

- LEGEND**
- ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
  - ASBESTOS-CONTAINING FIRE DOOR
  - ASBESTOS-CONTAINING CONVECTOR INSULATION
  - ASBESTOS-CONTAINING MASTIC UNDER 12"x12" FLOOR TILE
  - ASBESTOS-CONTAINING MASTIC UNDER CARPET AND FLOOR TILE

Revisions	Dates

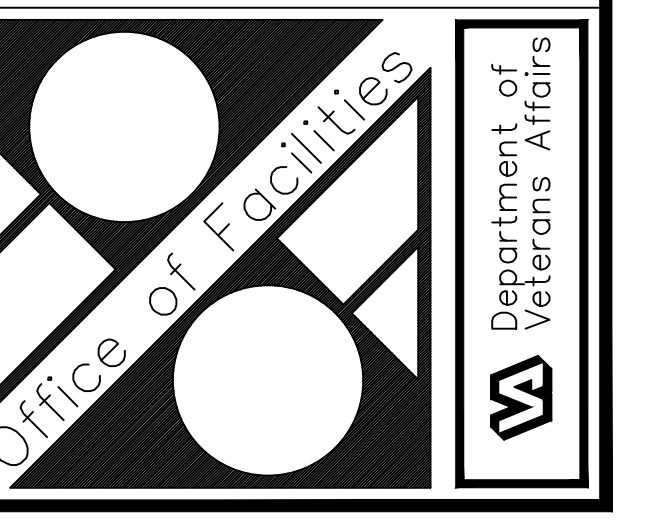
ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
 218-A MECHANIC STREET,  
 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 28          Scale: 1/8" = 1'-0"</b>
Approved: Division Chief Approved: Service Director

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>028</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>2A</b>
Sheet 35 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

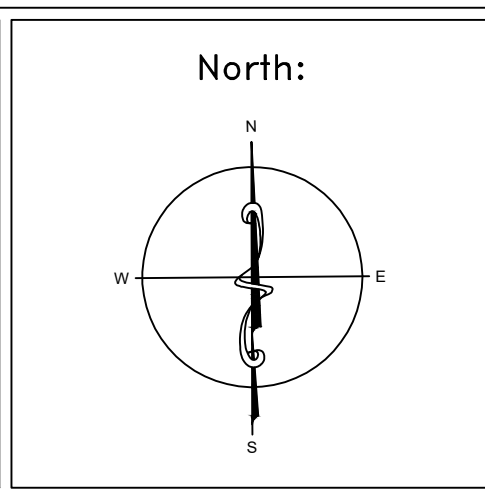


**BUILDING #28 - SECOND FLOOR PLAN**

**LEGEND**  
 -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE

Revisions	Dates

ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
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 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



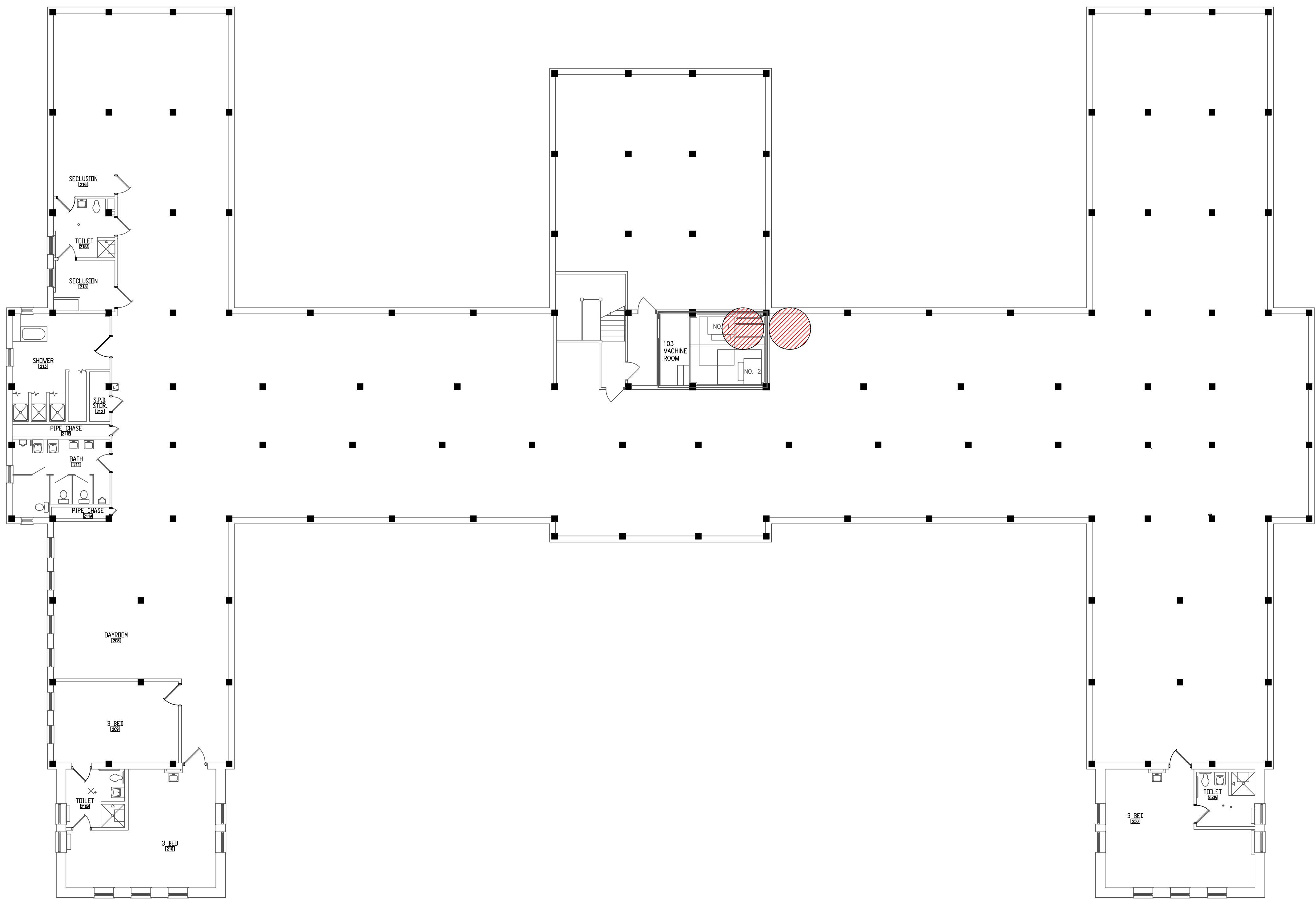
Drawing Title	ARCHITECTURAL PLAN BUILDING 28 Scale: 1/8" = 1'-0"
Approved: Division Chief	
Approved: Service Director	

Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	028	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

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

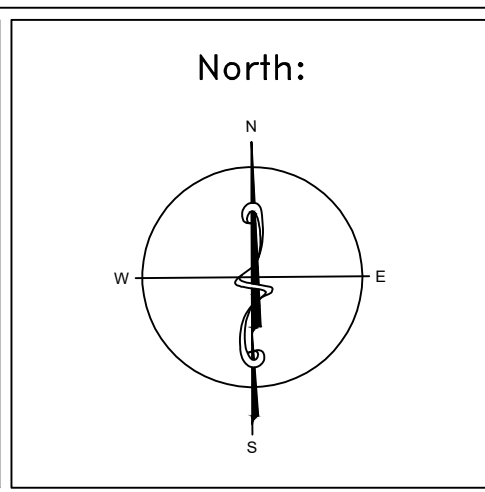


**BUILDING #28 - ATTIC FLOOR PLAN**

**LEGEND**  
 -ASBESTOS-CONTAINING PIPE INSULATION AND FITTINGS

Revisions	Dates

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



Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 28 Scale: 1/8" = 1'-0"</b>
Approved : Division Chief	
Approved : Service Director	

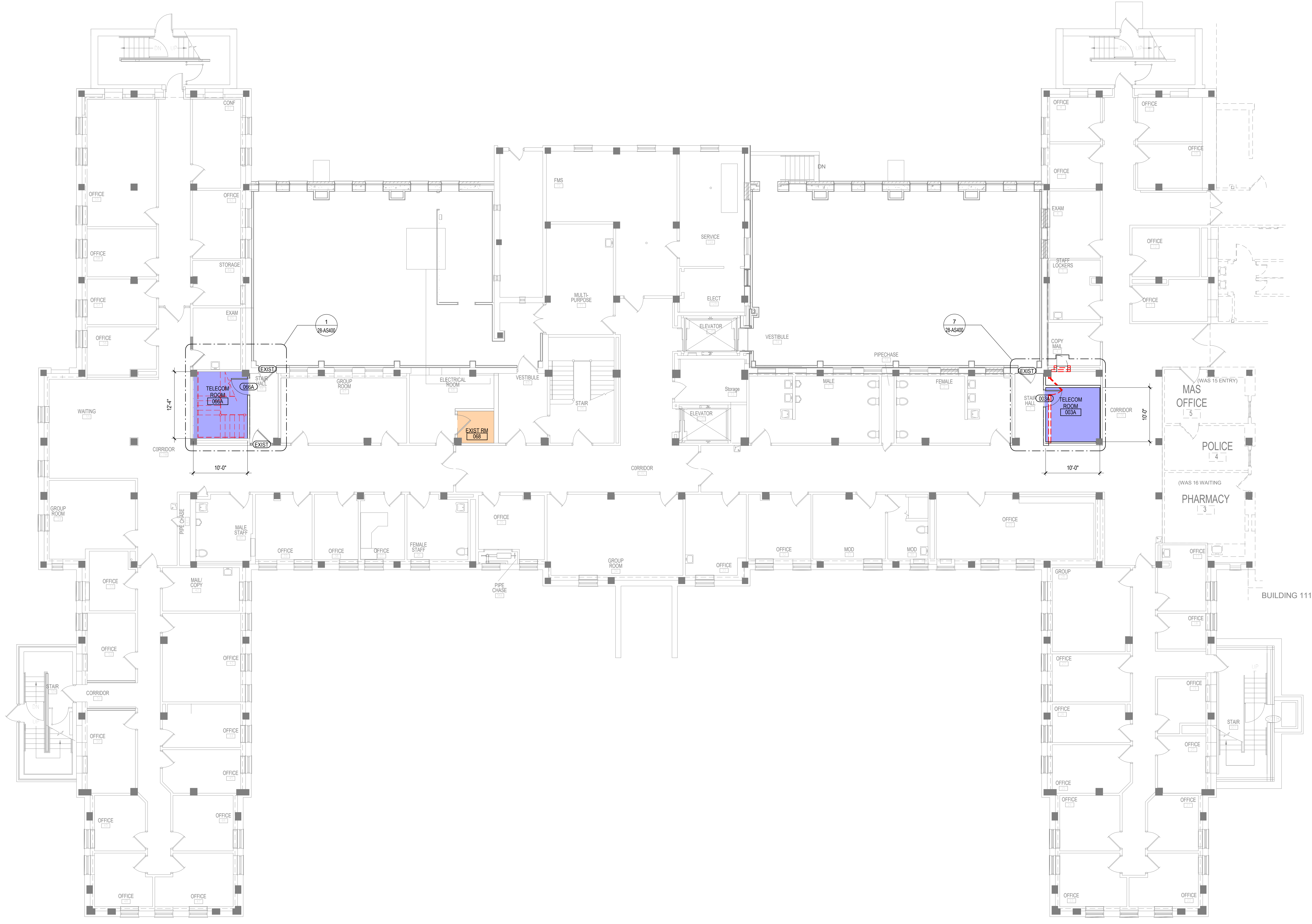
Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	028	Checked	BLB
Drawn	AFS		
Location	<b>ST. CLOUD, MINNESOTA</b>		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>4A</b>
Sheet	37 of 71

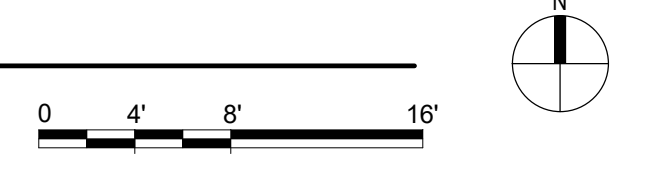


**SHEET NOTES**

- SEE GENERAL NOTES AND CAMPUS DRAWINGS FOR GENERAL INFORMATION, LIFE SAFETY, IGRA, 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.
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- 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**

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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

**DRAWING TITLE**  
BASEMENT FLOOR - OVERALL PLAN

**PROJECT FILE**  
EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022  
PLOT SCALE: 1/8" = 1'-0"  
PROJECT NO: 656-21-235  
DRAWING NO: 28-AS100

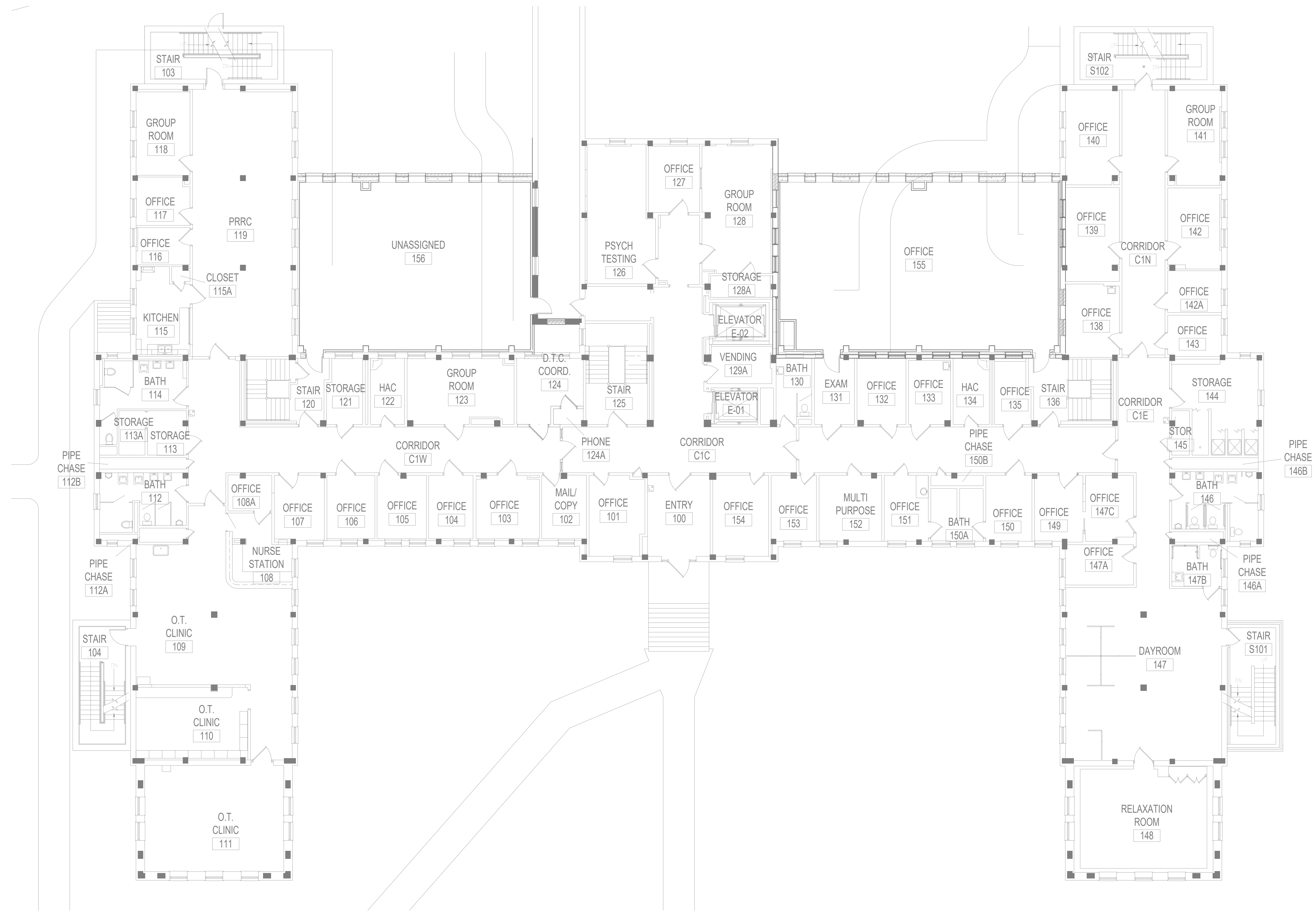
BUILDING No: 28 CHECKED BY: EM DRAWN BY: EM  
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303 FULLY SPRINKLERED

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

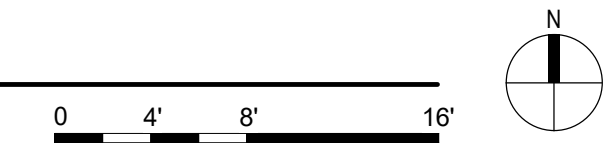


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**1** FIRST FLOOR - OVERALL PLAN  
1/8" = 1'-0"



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

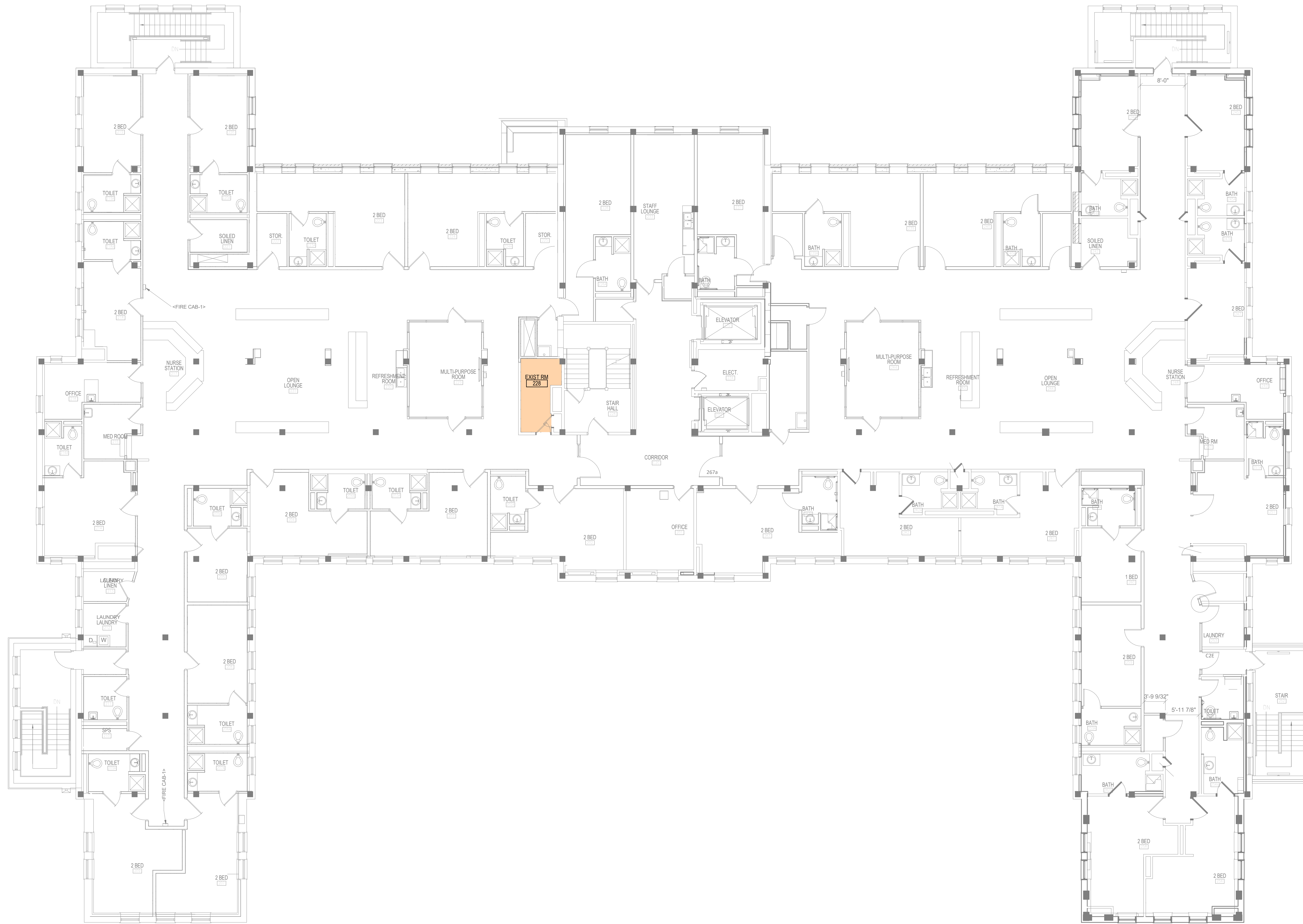
**DRAWING TITLE**  
FIRST FLOOR - OVERALL PLAN

<b>PROJECT FILE</b> EHRM INFRASTRUCTURE UPGRADES	<b>DATE</b> 03/30/2022
<b>BUILDING No.</b> 28	<b>DESIGNED BY</b> EM
<b>LOCATION</b> VA MEDICAL CENTER ST. CLOUD, MN 56303	<b>DRAWN BY</b> EM
<b>PROJECT No.</b> 656-21-235	<b>DRAWING No.</b> 28-AS110
<b>LOCATION</b> VA MEDICAL CENTER ST. CLOUD, MN 56303	<b>DATE</b> 03/30/2022

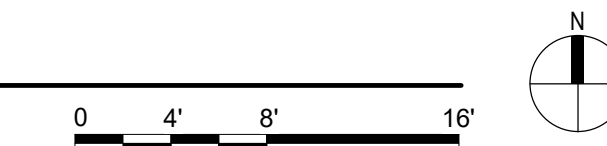
**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System

**SHEET NOTES**

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



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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

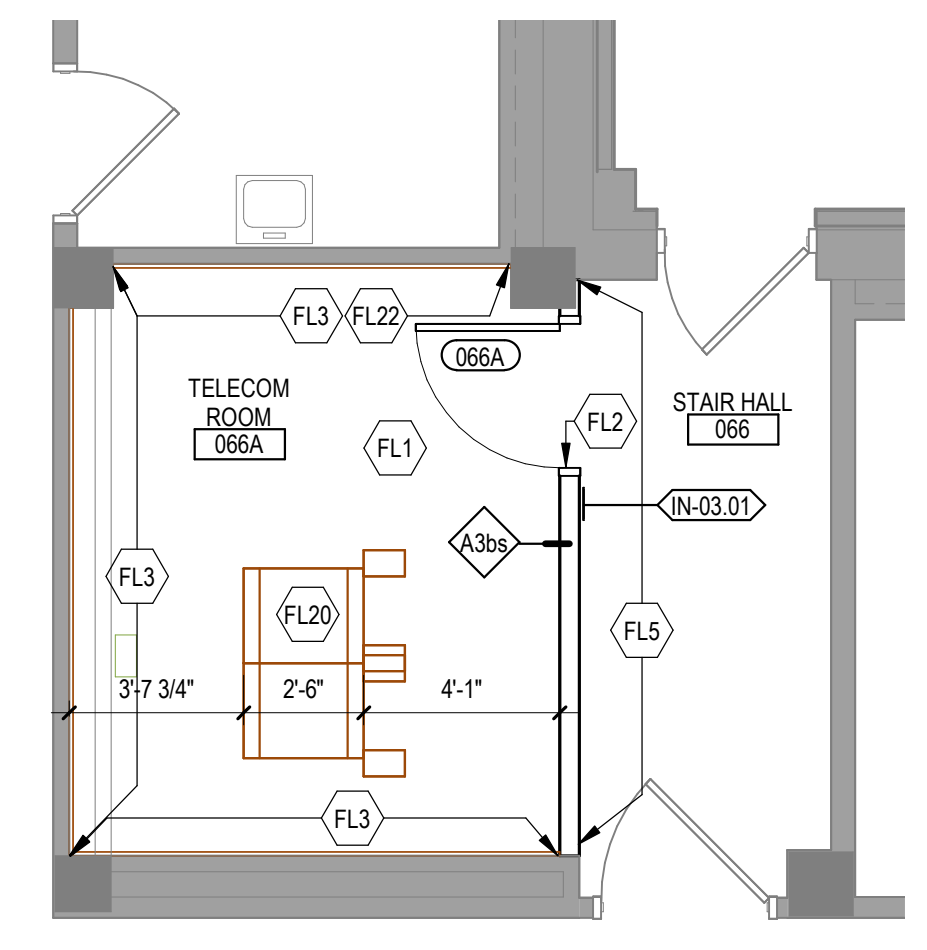
**PROJECT FILE**  
EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022  
PLOT SCALE: 1/8" = 1'-0"  
PROJECT NO: 656-21-235  
BUILDING NO: 28  
CHECKED BY: EM  
DRAWN BY: EM  
DRAWING NO: 28-AS120

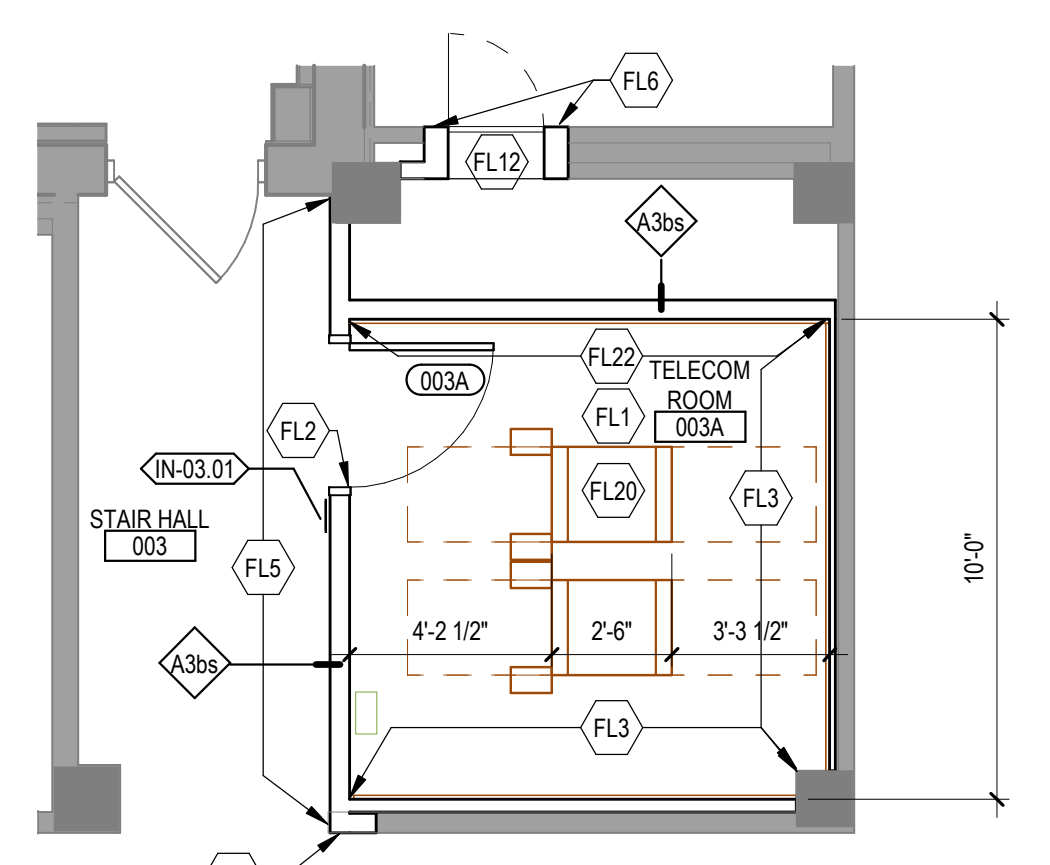
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303  
FULLY SPRINKLERED  
DWS OF

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

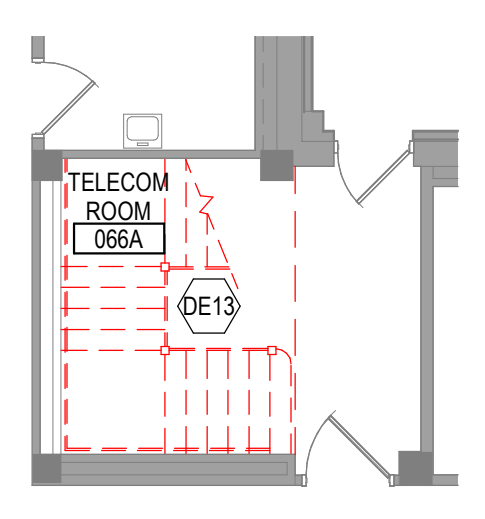
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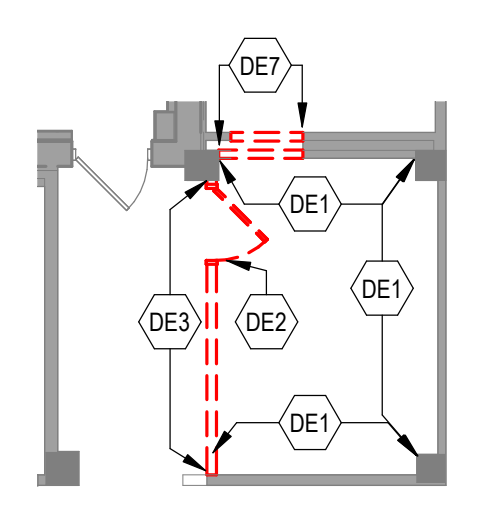
**1 ENLARGED FLOOR PLAN - RM 66A**  
1/4" = 1'-0"



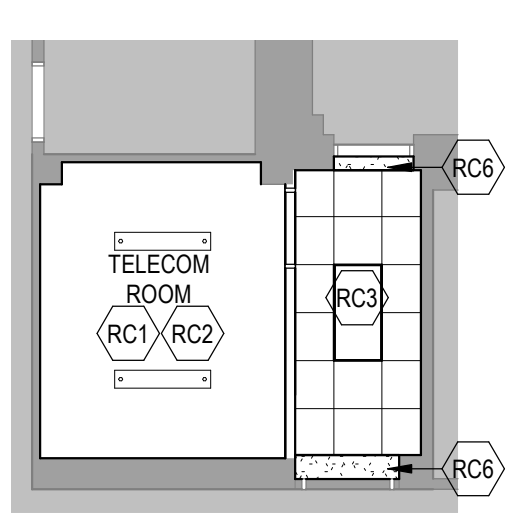
**7 ENLARGED FLOOR PLAN - RM 3A**  
1/4" = 1'-0"



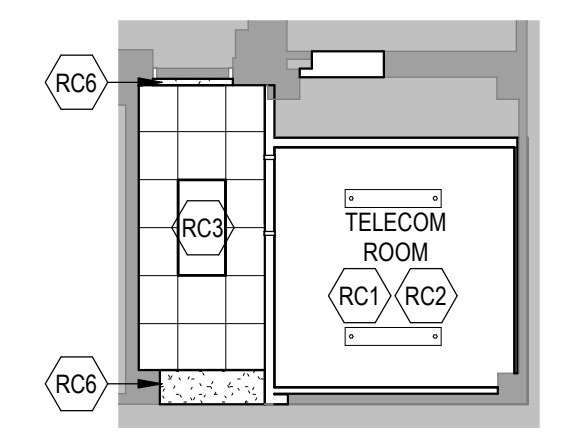
**2 DEMOLITION PLAN - RM 66A**  
1/8" = 1'-0"



**8 DEMOLITION PLAN - RM 3A**  
1/8" = 1'-0"



**3 REFLECTED CEILING PLAN - RM 66A**  
1/8" = 1'-0"



**9 REFLECTED CEILING PLAN - RM 3A**  
1/8" = 1'-0"

**DEMOLITION PLAN KEYED NOTES**

- DE1 PREPARE WALL FOR PLYWOOD BACKBOARD INSTALLATION AND EHRM REQUIREMENTS. SEE FLOOR PLAN AND TELECOM DRAWINGS
- DE2 REMOVE AND SALVAGE DOOR AND PREPARE OPENING TO ACCOMMODATE PLAN. SEE FLOOR PLAN AND DOOR SCHEDULE
- DE3 REMOVE WALL PARTITION IN ITS ENTIRETY.
- DE7 PARTIALLY REMOVE WALL TO ACCOMMODATE PLAN AS REQUIRED. COORDINATE TEMP SHORING WITH STRUCTURAL. SEE FLOOR PLAN
- DE13 DEMO, REMOVE AND DISPOSE CONCRETE STAIRS INCLUDING WALL RAILINGS, ETC. AS REQUIRED FOR THE CONSTRUCTION OF FIRST FLOOR CONCRETE INFILL. SEE STRUCTURAL.

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.
- FL2 DOOR, SIZE AS SCHEDULED, FIRE RESISTANT AS SCHEDULED
- 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.
- FL5 FINISH EXTERNAL SIDE OF NEW PARTITIONS WITH P-2 & RB-1
- FL6 FINISH NEW PARTITIONS TO MATCH EXISTING PARTITIONS THIS AREA
- FL12 BUILDING MECHANICAL ACCESS DOOR PANEL. COORDINATE LOCATION AND CONSTRUCTION DETAILS WITH ADJACENT ROOM FUNCTION. VERIFY EXISTING CONDITION IN FIELD. FOLLOW MANUFACTURER DETAILS FOR HEAD, DOOR, JAMB, AND SUPPORT REQUIREMENTS
- FL20 TELECOM EQUIPMENT. SEE TELECOM DRAWINGS.
- FL22 LEAK PREVENTION BARRIER WATERPROOFING DETAIL AT EXISTING PARTITION. SEE A5601.

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
- RC3 ACT SYSTEM AND 2X4 LIGHT FIXTURE. MATCH EXIST ADJACENT CEILING. SEE ELECTRICAL.
- RC6 GYP SOFFIT. 1/2" GYP BD ON MTL STUD AFFIXED TO OPENING LIMITS. PAINT

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

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No	REVISION	DATE

**CONSULTANT**

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Anderson Engineering of Minnesota, LLC | Proj # 16305

**STAMP**

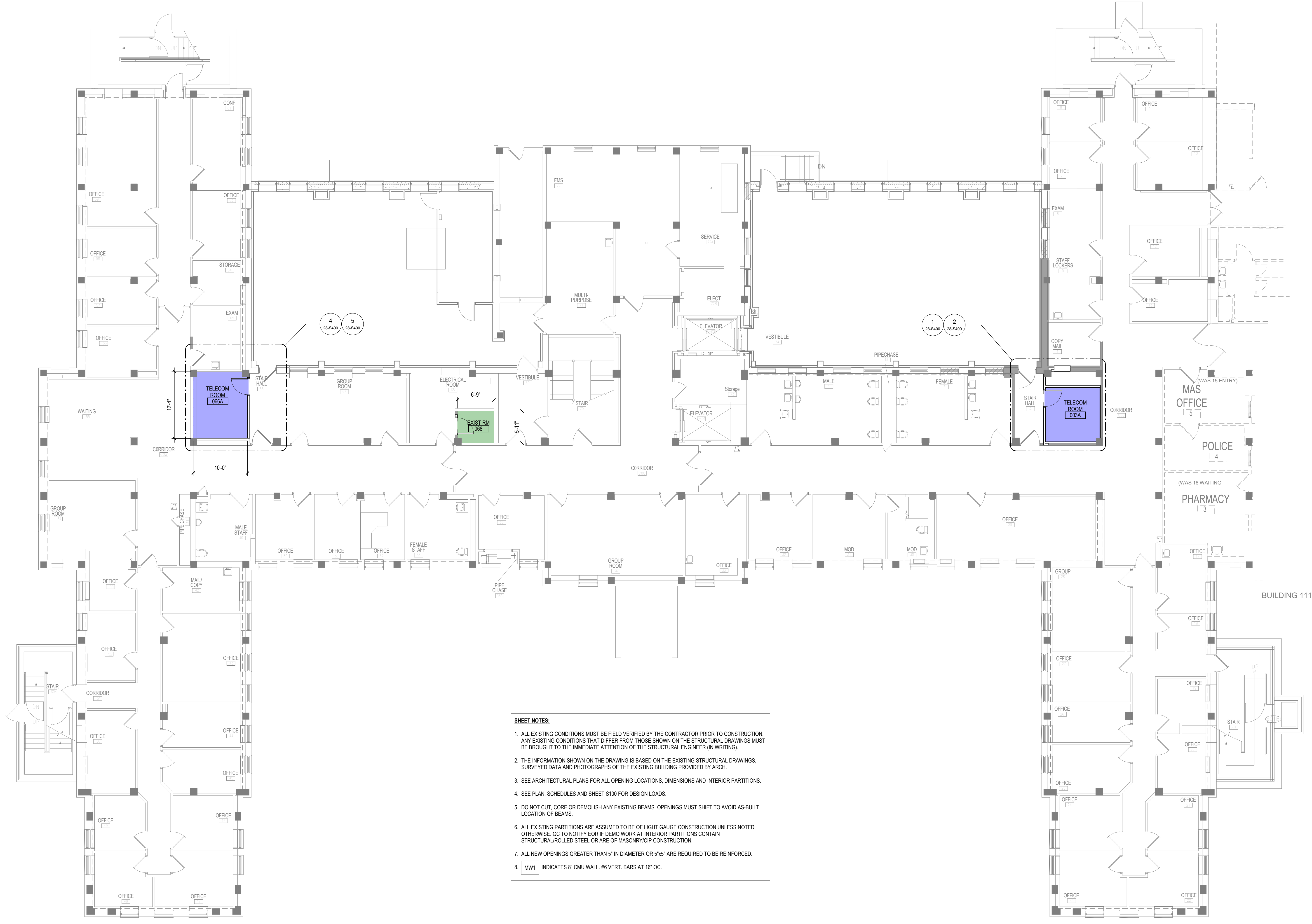
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

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

**DRAWING TITLE**  
LARGE SCALE PLANS

PROJECT FILE <b>EHRM INFRASTRUCTURE UPGRADES</b>	DATE 03/30/2022
BUILDING No <b>28</b>	PLOT SCALE
CHECKED BY <b>EM</b>	PROJECT NO <b>656-21-235</b>
DRAWN BY <b>EM</b>	DRAWING NO <b>28-AS400</b>
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	FULLY SPRINKLERED DWS OF

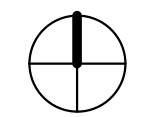
**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System



**SHEET NOTES:**

1. ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY EXISTING CONDITIONS THAT DIFFER FROM THOSE SHOWN ON THE STRUCTURAL DRAWINGS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE STRUCTURAL ENGINEER (IN WRITING).
2. THE INFORMATION SHOWN ON THE DRAWING IS BASED ON THE EXISTING STRUCTURAL DRAWINGS, SURVEYED DATA AND PHOTOGRAPHS OF THE EXISTING BUILDING PROVIDED BY ARCH.
3. SEE ARCHITECTURAL PLANS FOR ALL OPENING LOCATIONS, DIMENSIONS AND INTERIOR PARTITIONS.
4. SEE PLAN, SCHEDULES AND SHEET S100 FOR DESIGN LOADS.
5. DO NOT CUT, CORE OR DEMOLISH ANY EXISTING BEAMS. OPENINGS MUST SHIFT TO AVOID AS-BUILT LOCATION OF BEAMS.
6. ALL EXISTING PARTITIONS ARE ASSUMED TO BE OF LIGHT GAUGE CONSTRUCTION UNLESS NOTED OTHERWISE. GC TO NOTIFY EOR IF DEMO WORK AT INTERIOR PARTITIONS CONTAIN STRUCTURAL ROLLED STEEL OR ARE OF MASONRY/CMU CONSTRUCTION.
7. ALL NEW OPENINGS GREATER THAN 5" IN DIAMETER OR 5'x5' ARE REQUIRED TO BE REINFORCED.
8. MW1 INDICATES 8" CMU WALL, #5 VERT. BARS AT 16" OC.

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



No.	REVISION	DATE

**CONSULTANT**

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7321 OHMS LANE  
SUITE #210  
ORFV 854-8302 TEL  
AST PROJECT NUMBER: MN 1964

EDINA, MN 55439  
ASTENGLDMM

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Omaha, NE 68134

Phone: 402.991.5530  
www.specializedeng.com

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Anderson Engineering of Minnesota, LLC | Proj # 16305

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HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: **Zachary D. Craig**

SIGNATURE: *[Signature]*

DATE: **2/7/2022** LICENSE #57219

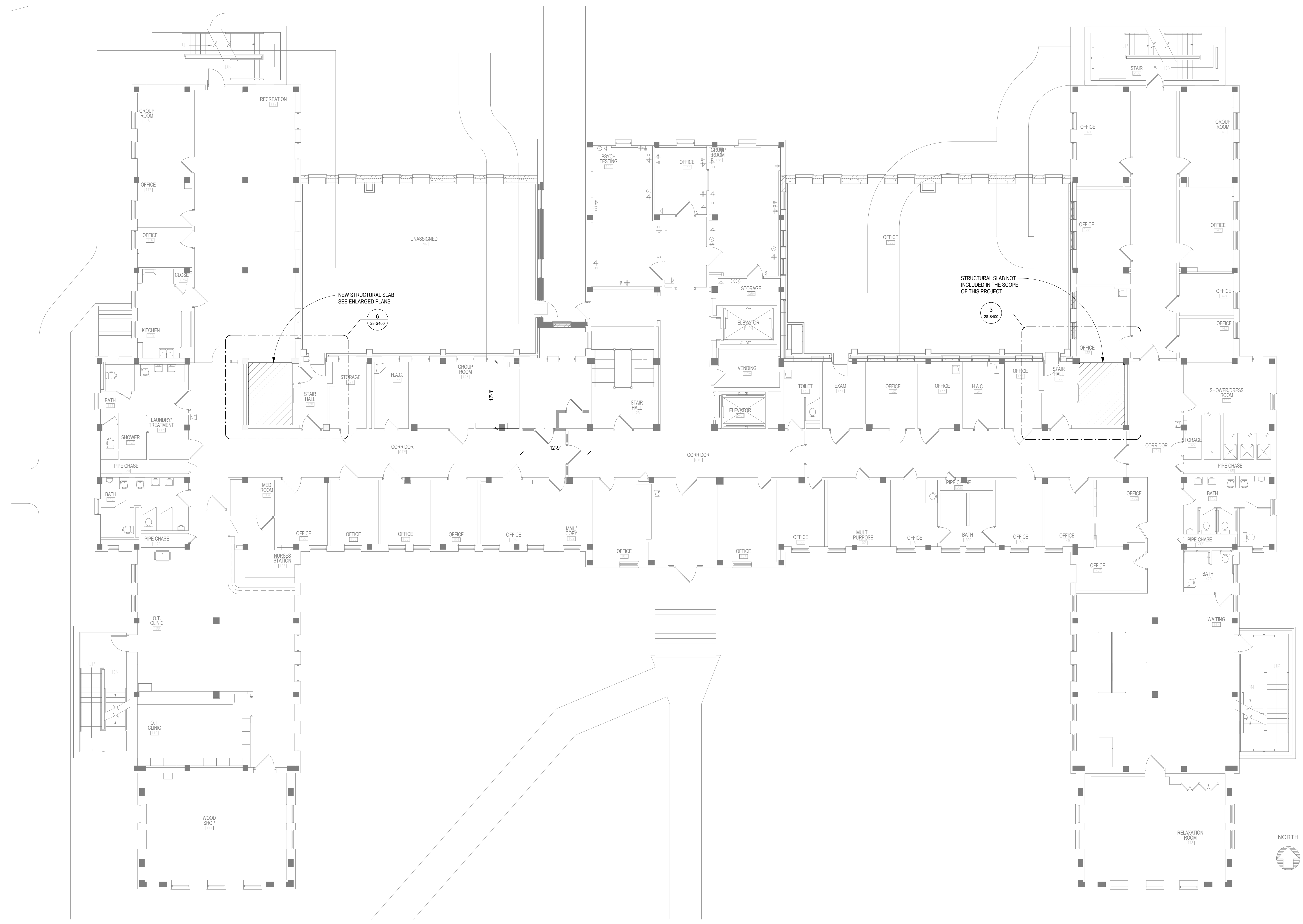
**DRAWING TITLE**

BASEMENT FLOOR PLAN - OVERALL

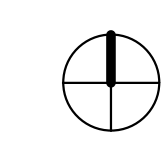
PROJECT TITLE	EHRM INFRASTRUCTURE UPGRADES	DATE	03/30/2022
BUILDING No.	28	DESIGNED BY	ZDC
		DRAWN BY	JRO
		SHEET NO.	28-S100
LOCATION	VA MEDICAL CENTER ST. CLOUD, MN 56303	FULLY SPRINKLERED	DWG. OF

**VA**

**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
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**1** FIRST FLOOR PLAN  
1/8" = 1'-0"



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SUITE #213  
ORIO, IA 50452 TEL: 515-281-4000  
AST PROJECT NUMBER: MN 1964

EDINA, MN 55439  
ASTENGLDMM  
10360 Illinois Circle  
Omaha, NE 68134  
Phone: 402.991.5530  
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PRINT NAME: **Zachary D. Craig**

SIGNATURE: *Zachary D. Craig*

DATE: 2/7/2022 LICENSE #57219

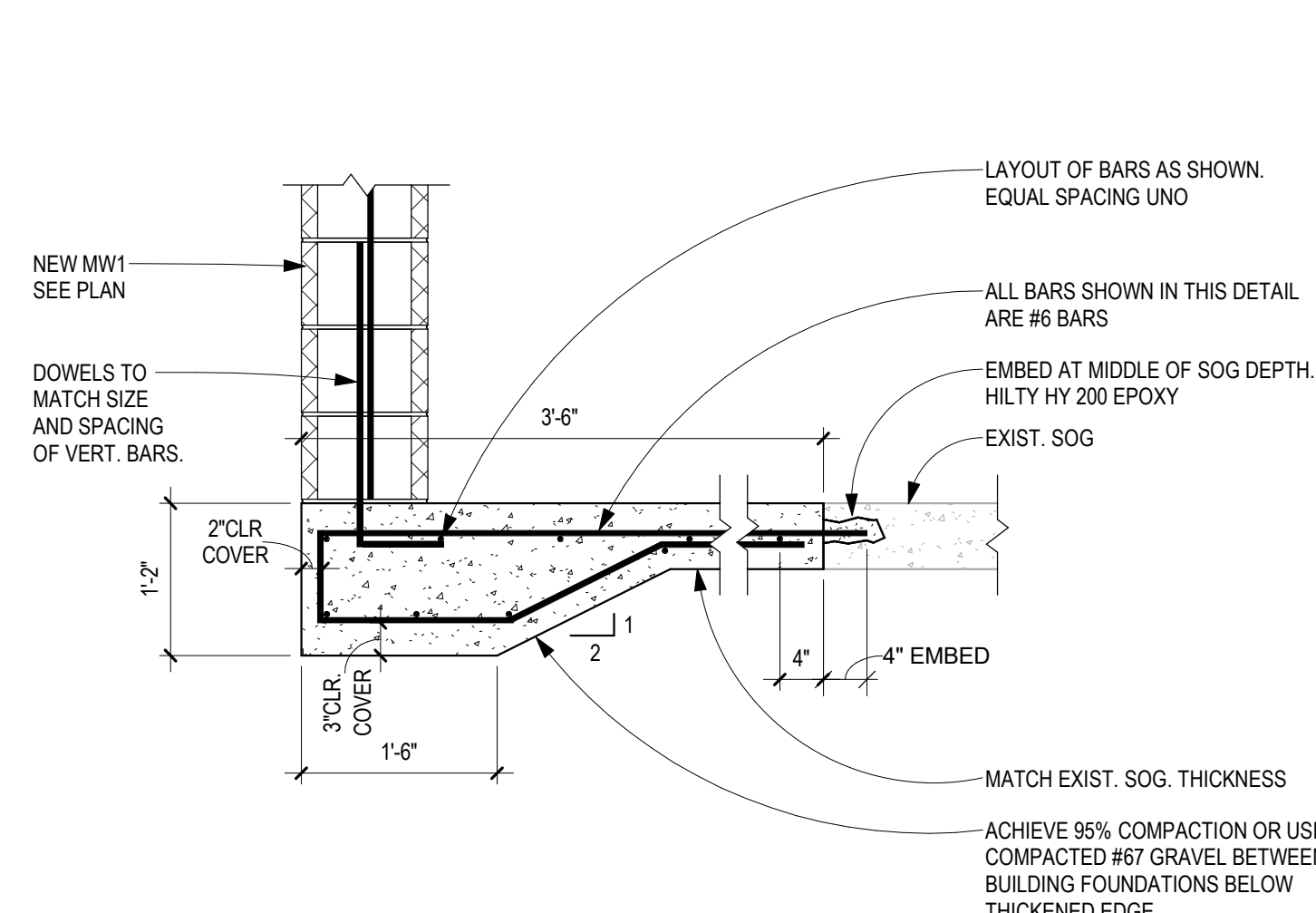
DRAWING TITLE

**FIRST FLOOR PLAN - OVERALL**

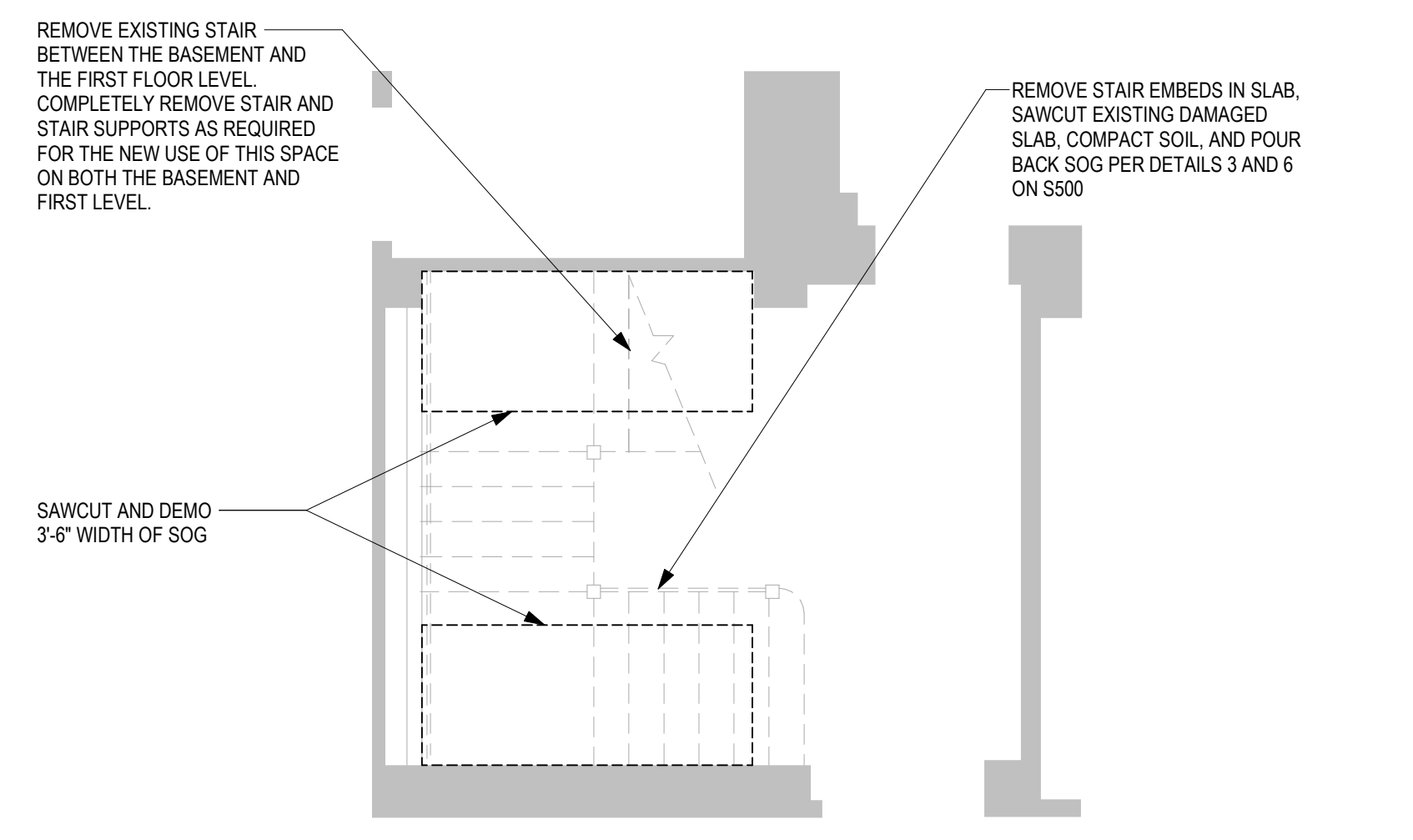
PROJECT TITLE	DATE
<b>EHRM INFRASTRUCTURE UPGRADES</b>	03/30/2022
BUILDING No.	PLOT SCALE
28	656-21-235
CHECKED BY	DRAWN BY
ZDC	JRO
DATE	PROJECT NO.
03/30/2022	28-S110
LOCATION	FULLY SPRINKLERED
VA MEDICAL CENTER ST. CLOUD, MN 56303	DWG. OF

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

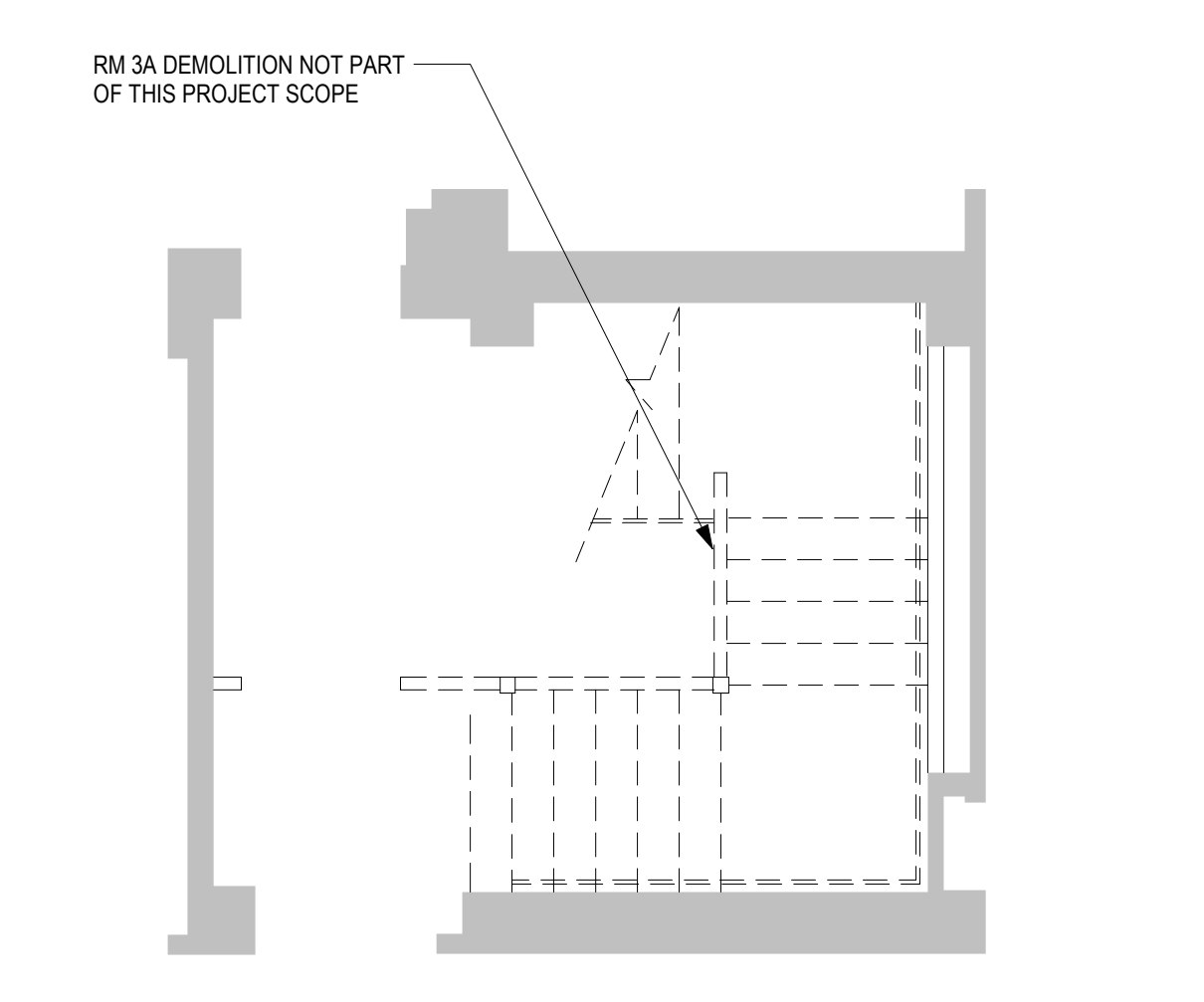
A  
B  
C  
D  
E  
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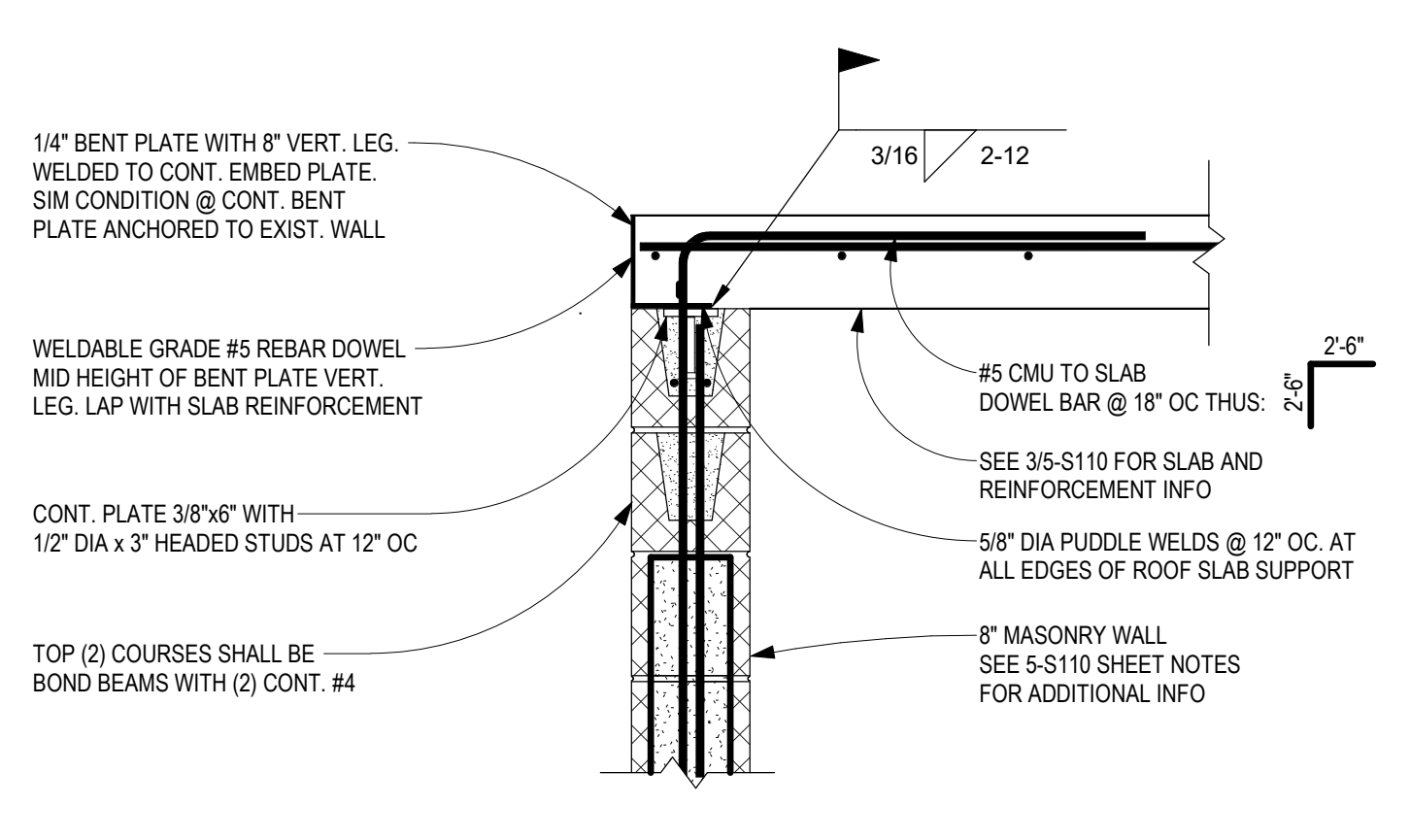
**7** BASE OF CMU WALL  
3/4" = 1'-0"



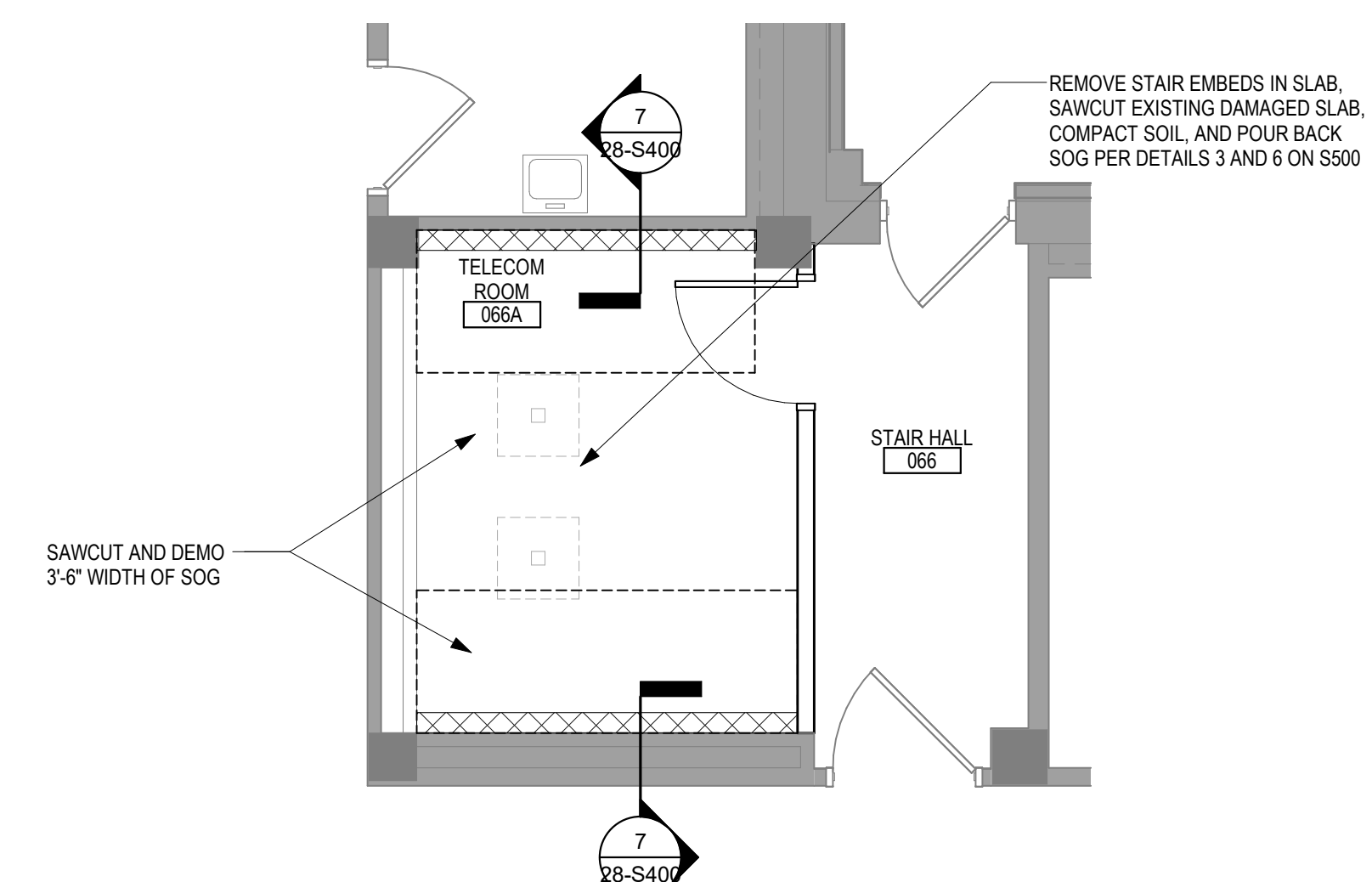
**4** BASEMENT DEMOLITION PLAN - RM 066A  
1/4" = 1'-0"



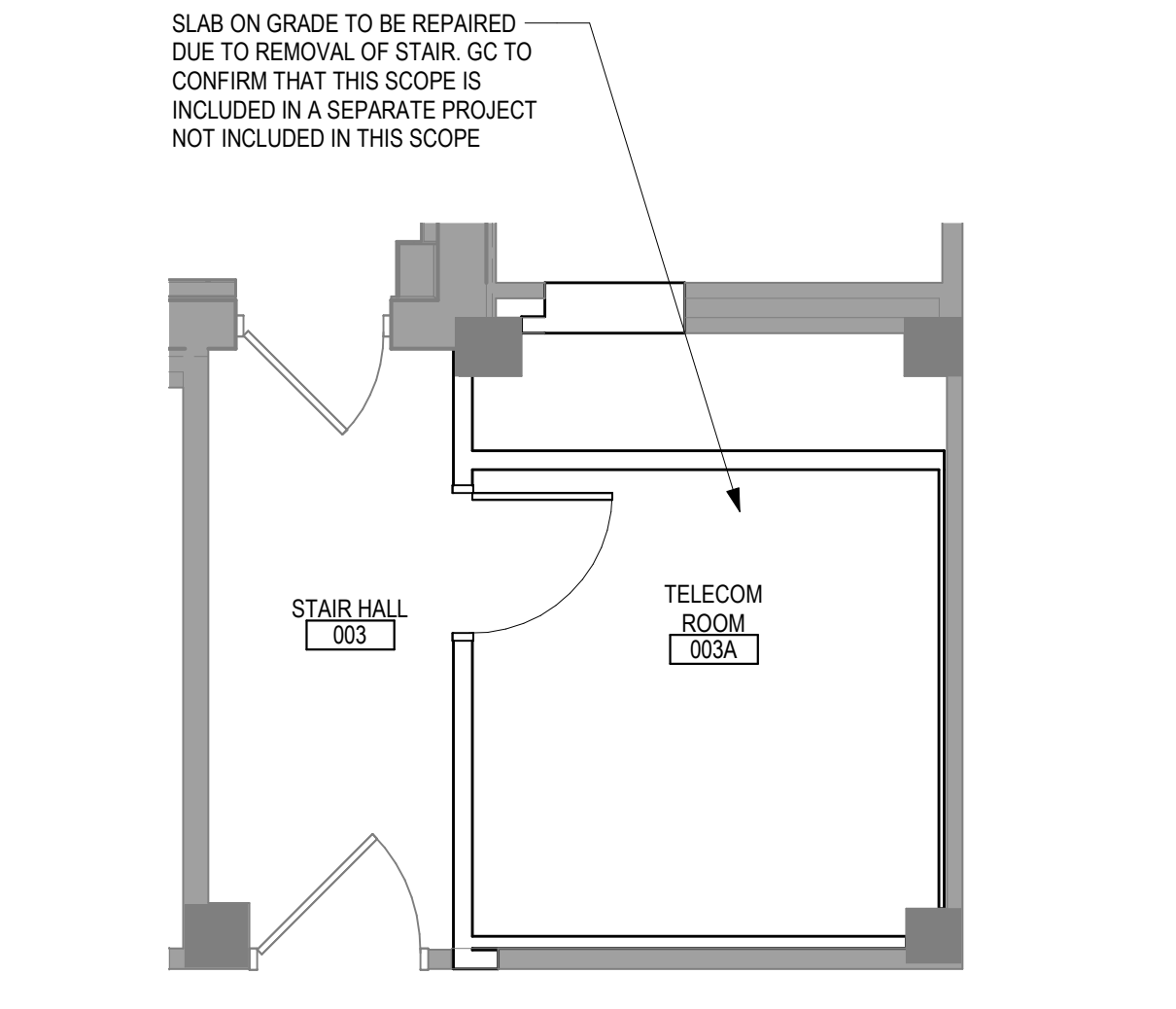
**1** BASEMENT DEMOLITION PLAN - RM 003A  
1/4" = 1'-0"



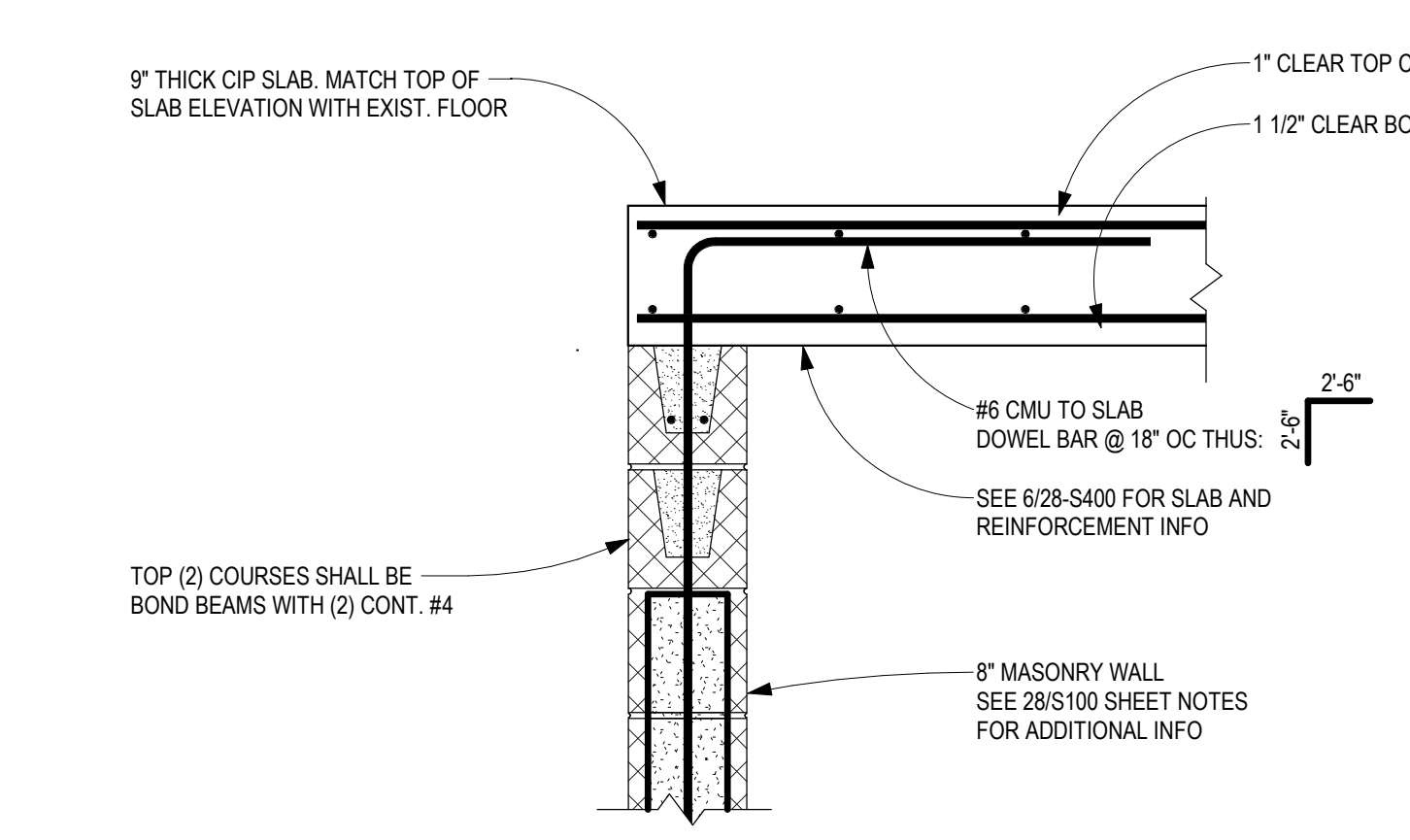
**8** TOP OF NEW CMU WALL DETAIL  
1" = 1'-0"



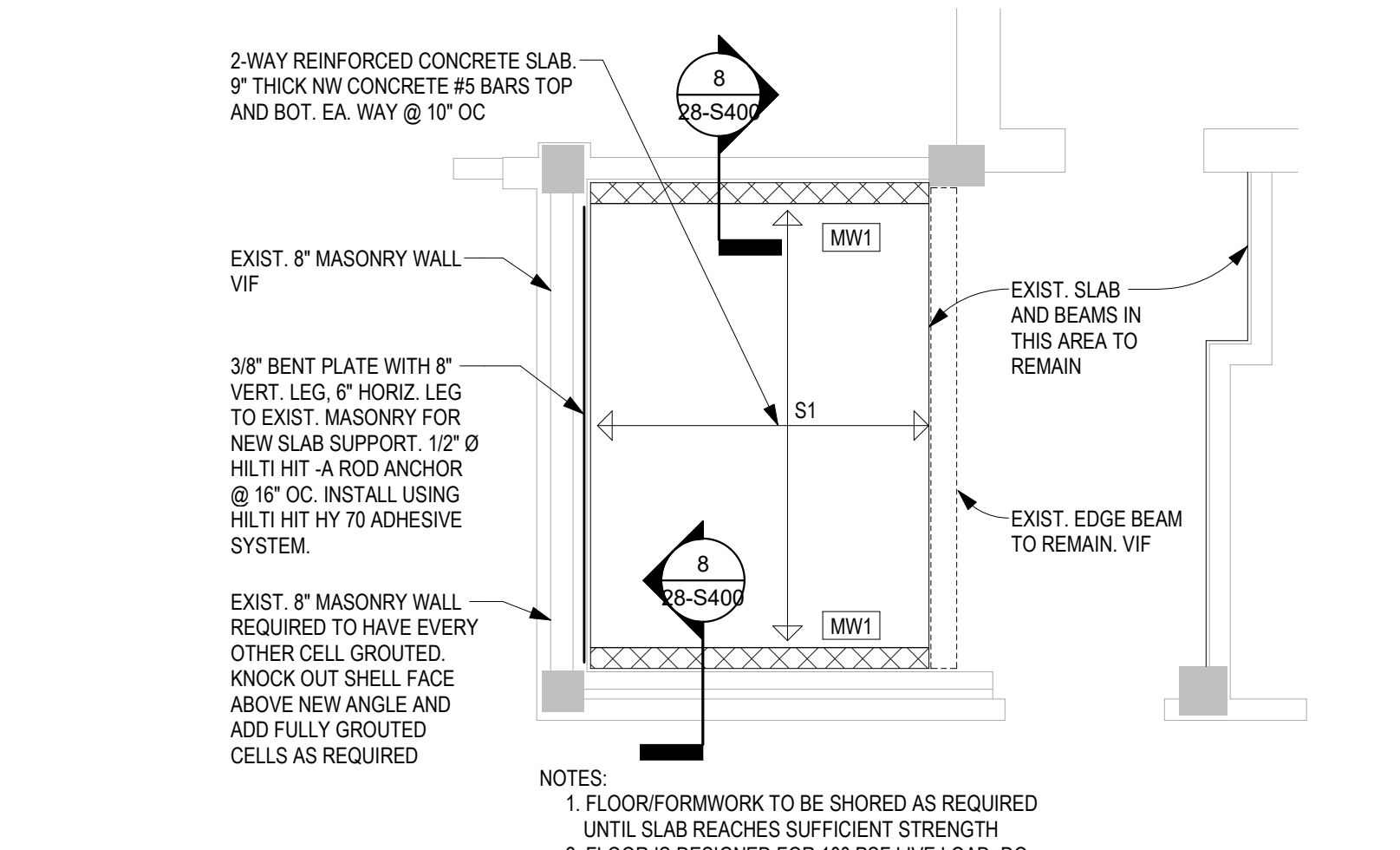
**5** BASEMENT ENLARGED FLOOR PLAN - RM 066A  
1/4" = 1'-0"



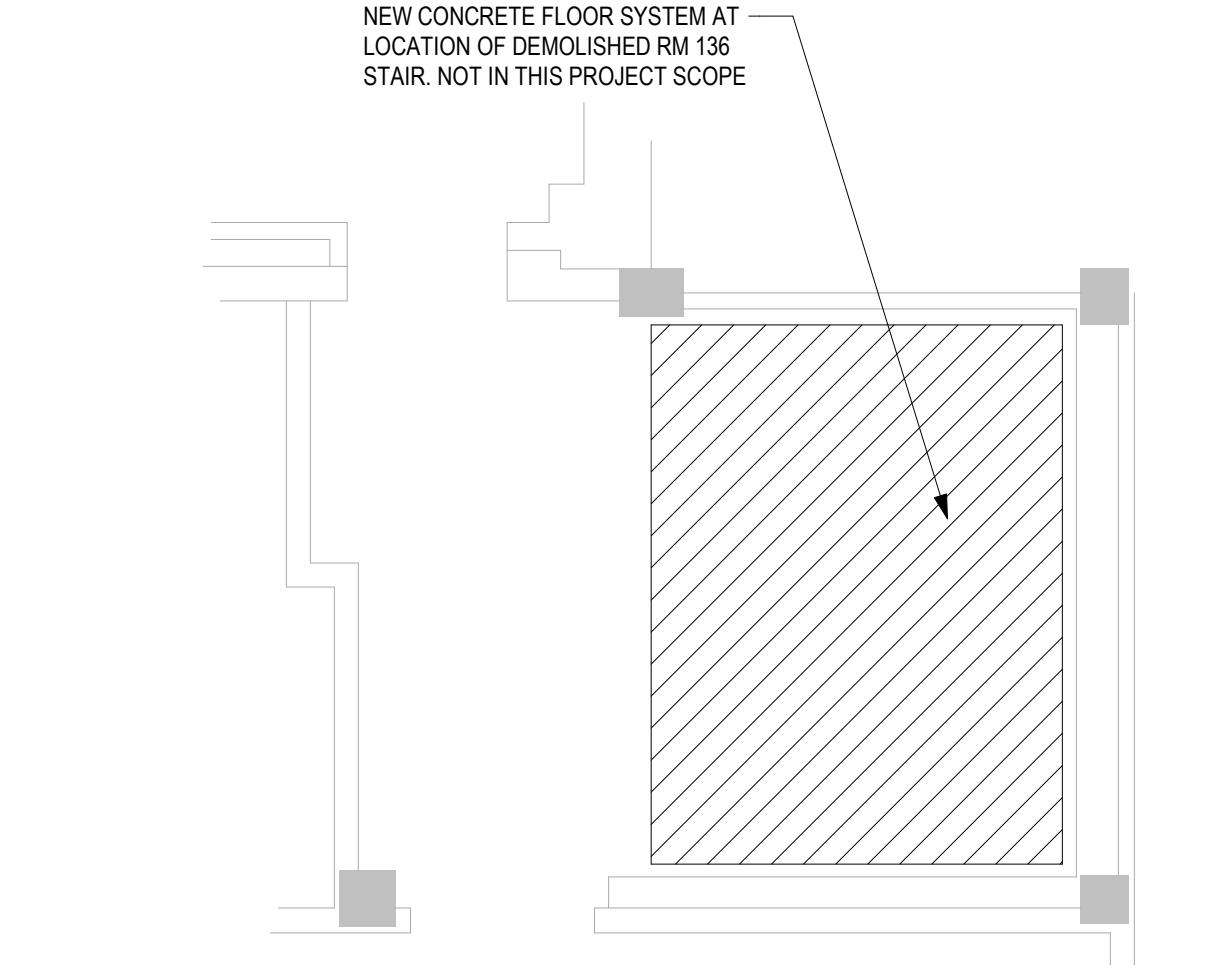
**2** BASEMENT ENLARGED FLOOR PLAN - RM 003A  
1/4" = 1'-0"



**9** TOP OF NEW CMU WALL DETAIL  
1" = 1'-0"



**6** FIRST FLOOR ENLARGED PLAN RM 120  
1/4" = 1'-0"



**3** FIRST FLOOR ENLARGED PLAN RM 136  
1/4" = 1'-0"

3/28/2022 11:46:21 AM  
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**STAMP**

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: Zachary D. Craig  
SIGNATURE: [Signature]  
DATE: 2/24/2022 LICENSE #57219

**DRAWING TITLE**

LARGE SCALE PLANS

**PROJECT TITLE**

EHRM INFRASTRUCTURE UPGRADES

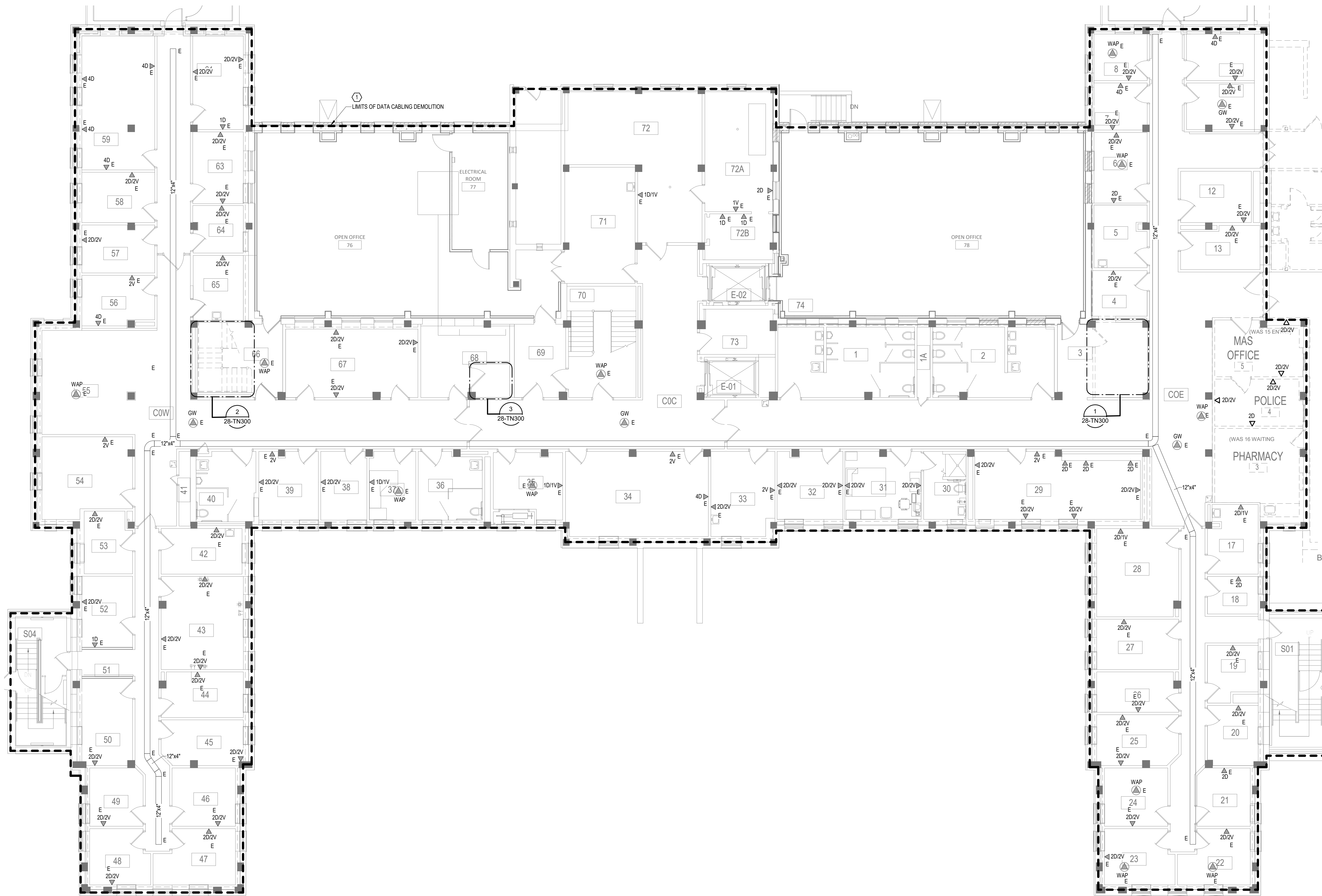
**DATE** 03/30/2022  
**PLOT SCALE**  
**PROJECT NO.** 656-21-235  
**BUILDING No.** 28  
**CHECKED BY** ZDC  
**DRAWN BY** JRO  
**DESIGNED BY** 28-S400  
**LOCATION** VA MEDICAL CENTER ST. CLOUD, MN 56303  
**FULLY SPRINKLERED**

**VA**

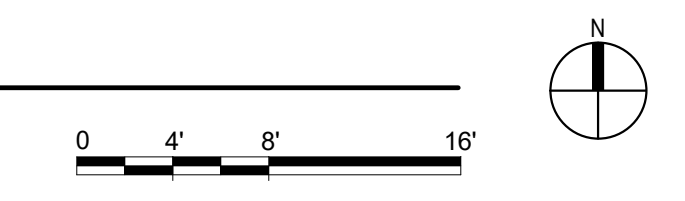
**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System

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

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



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



5/11/2022 3:59:59 PM  
 BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-B28\_T\_R21.rvt

No.	REVISION	DATE

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

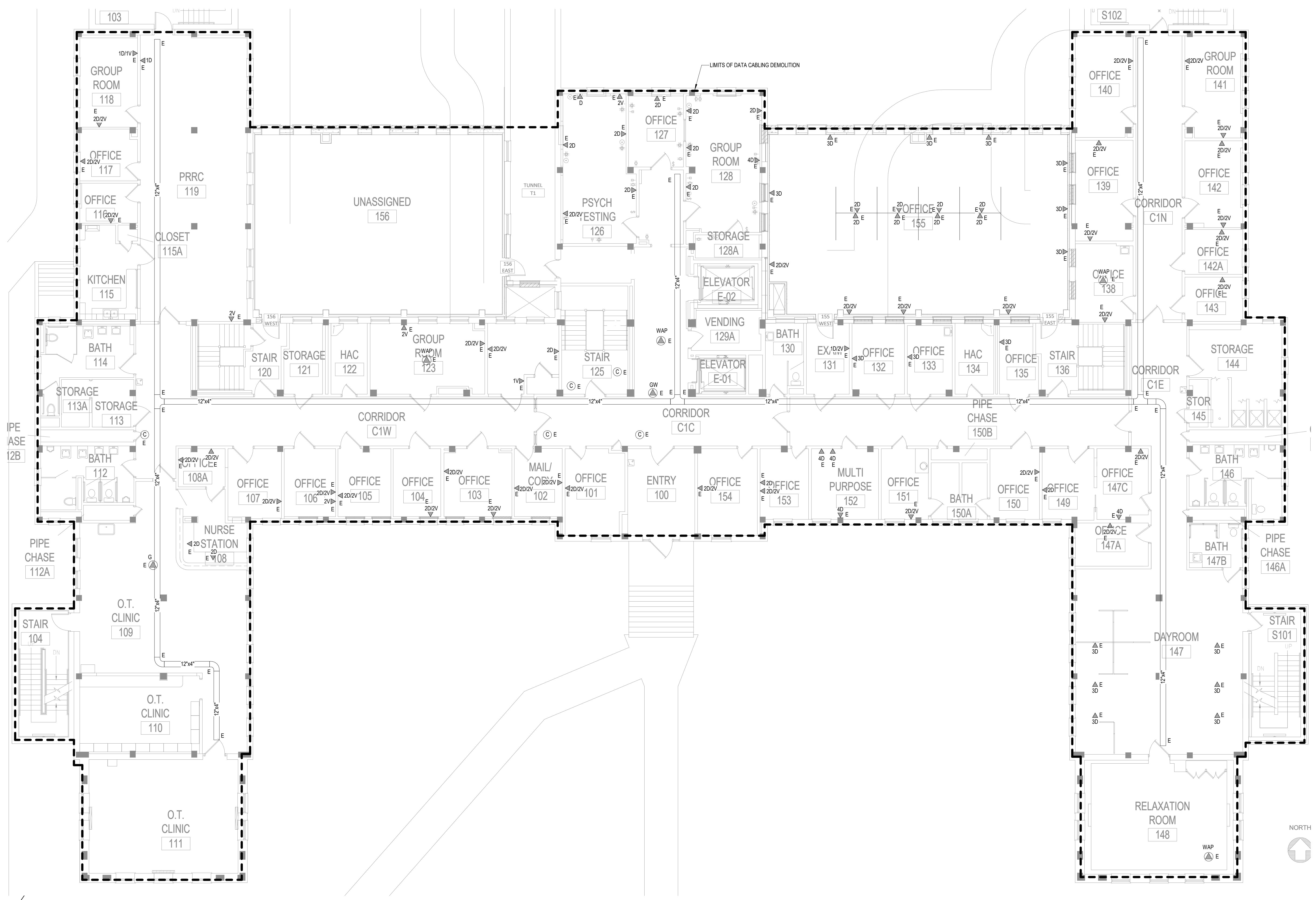
**DRAWING TITLE**  
 BASEMENT FLOOR PLAN - TELECOM - DEMOLITION

<b>PROJECT FILE</b> EHRM INFRASTRUCTURE UPGRADES	<b>DATE</b> 03/30/2022
<b>BUILDING No</b> 28	<b>DESIGNED BY</b> KSB
<b>DRIVER</b> SSK	<b>DRAWING NO</b> 28-TD100
<b>LOCATION</b> VA MEDICAL CENTER ST. CLOUD, MN 56303	<b>FULLY SPRINKLERED</b> DWS 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:**  
 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** FIRST FLOOR PLAN - TELECOM - DEMOLITION  
 1/8" = 1'-0"

5/11/2022 4:00:02 PM  
 BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235.B28\_T\_R21.rvt

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**BicSI**  
 Nathan Timm  
 BICSI ID # 346555  
 Expires 12-31-24  
 Registered Communications Distributor  
 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

**DRAWN BY**  
 SSK

**CHECKED BY**  
 KSB

**DATE**  
 28-TD110

**LOCATION**  
 VA MEDICAL CENTER  
 ST. CLOUD, MN 56303

**FULLY SPRINKLERED**

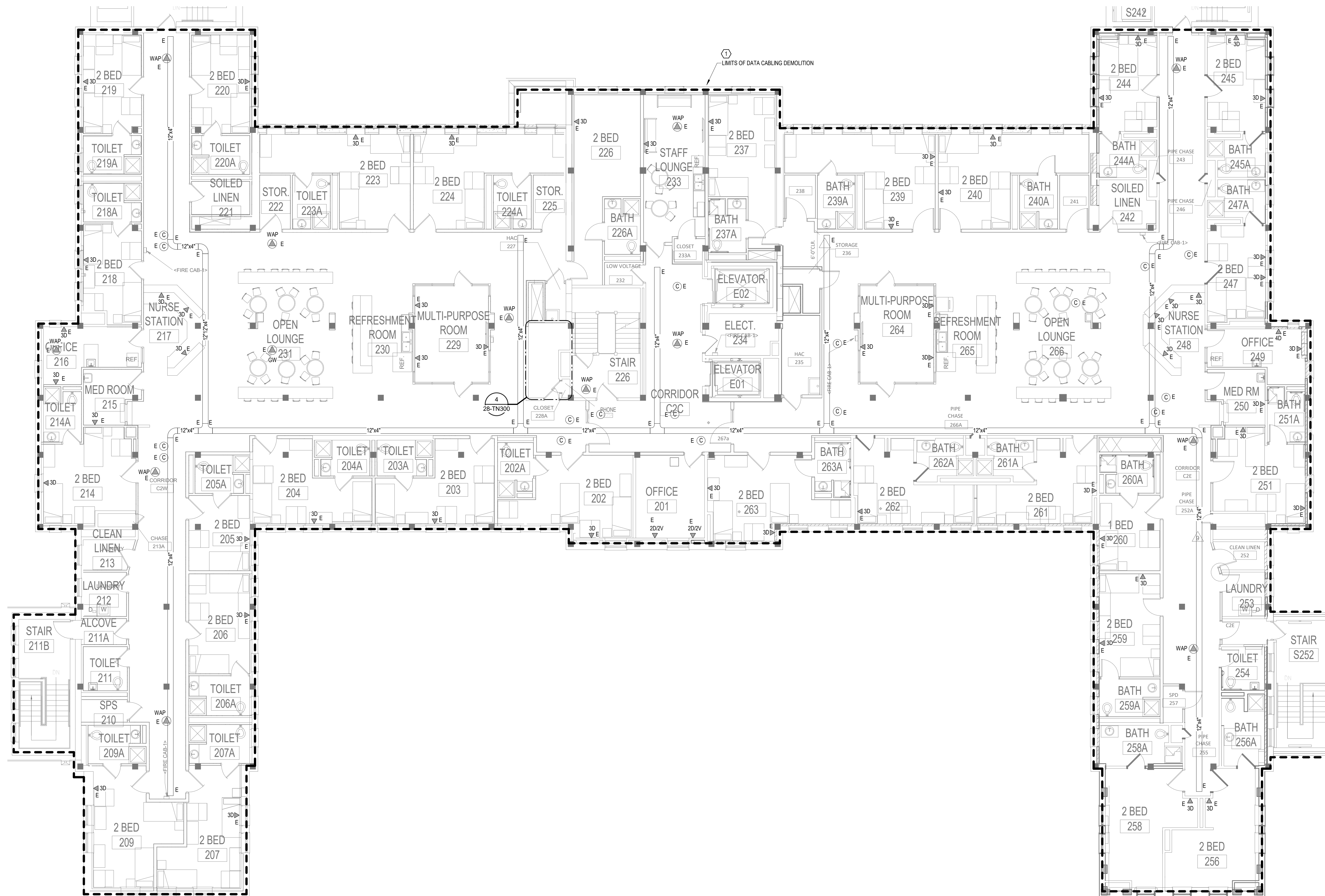
**DWG. OF**

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

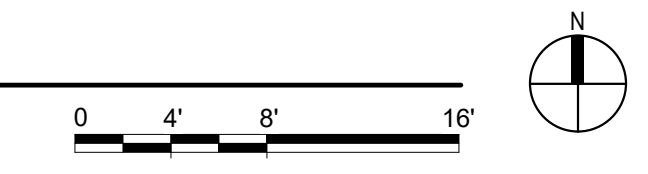


**GENERAL NOTES:**  
A. REFER TO GENERAL DEMOLITION NOTES ON SHEET T000 FOR ADDITIONAL DEMOLITION SCOPE.

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



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



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5/11/2022 4:00:04 PM

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Nathan Timm  
BICS ID # 3346555  
Expires 12-31-22  
Richard M. Timm

DRAWING TITLE

SECOND FLOOR PLAN - TELECOM - DEMOLITION

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022  
PLOT DATE:  
PROJECT NO: 656-21-235  
DRAWN BY: SSK  
CHECKED BY: KSB  
DATE: 28-TD120

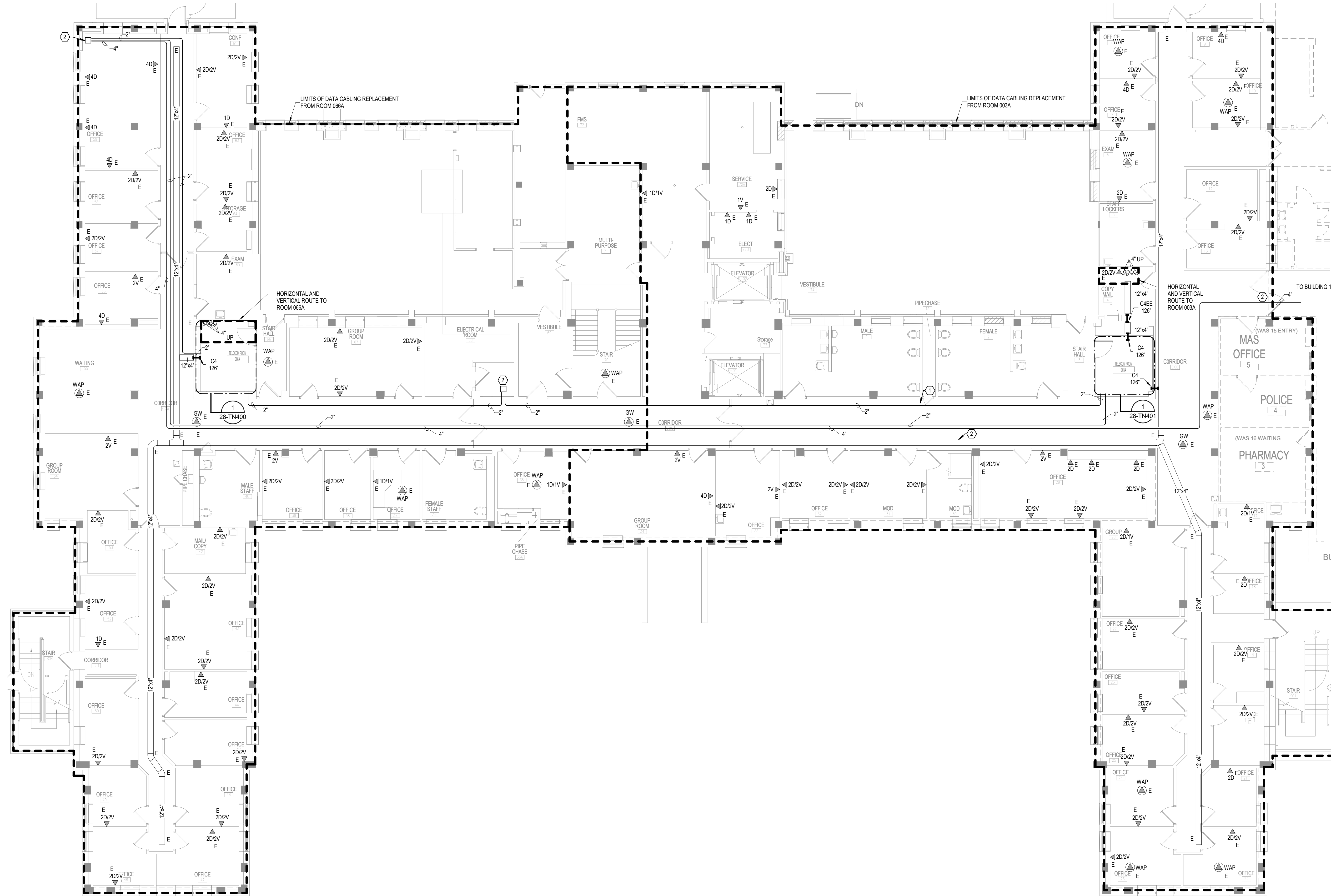
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303  
FULLY SPRINKLERED  
DWS OF

**VA**

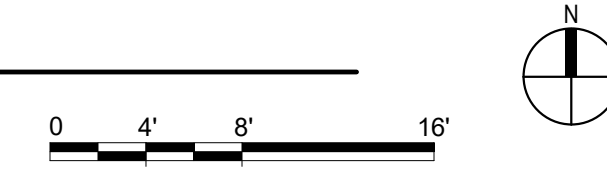
**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System

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

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



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



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No.	REVISION	DATE

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Nathan Timm  
BICS ID # 346555  
Expires 12-31-24  
Richard 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.**  
28-TN100

**BUILDING No.**  
28

**CHECKED BY**  
KSB

**DRAWN BY**  
SSK

**LOCATION**  
VA MEDICAL CENTER  
ST. CLOUD, MN 56303

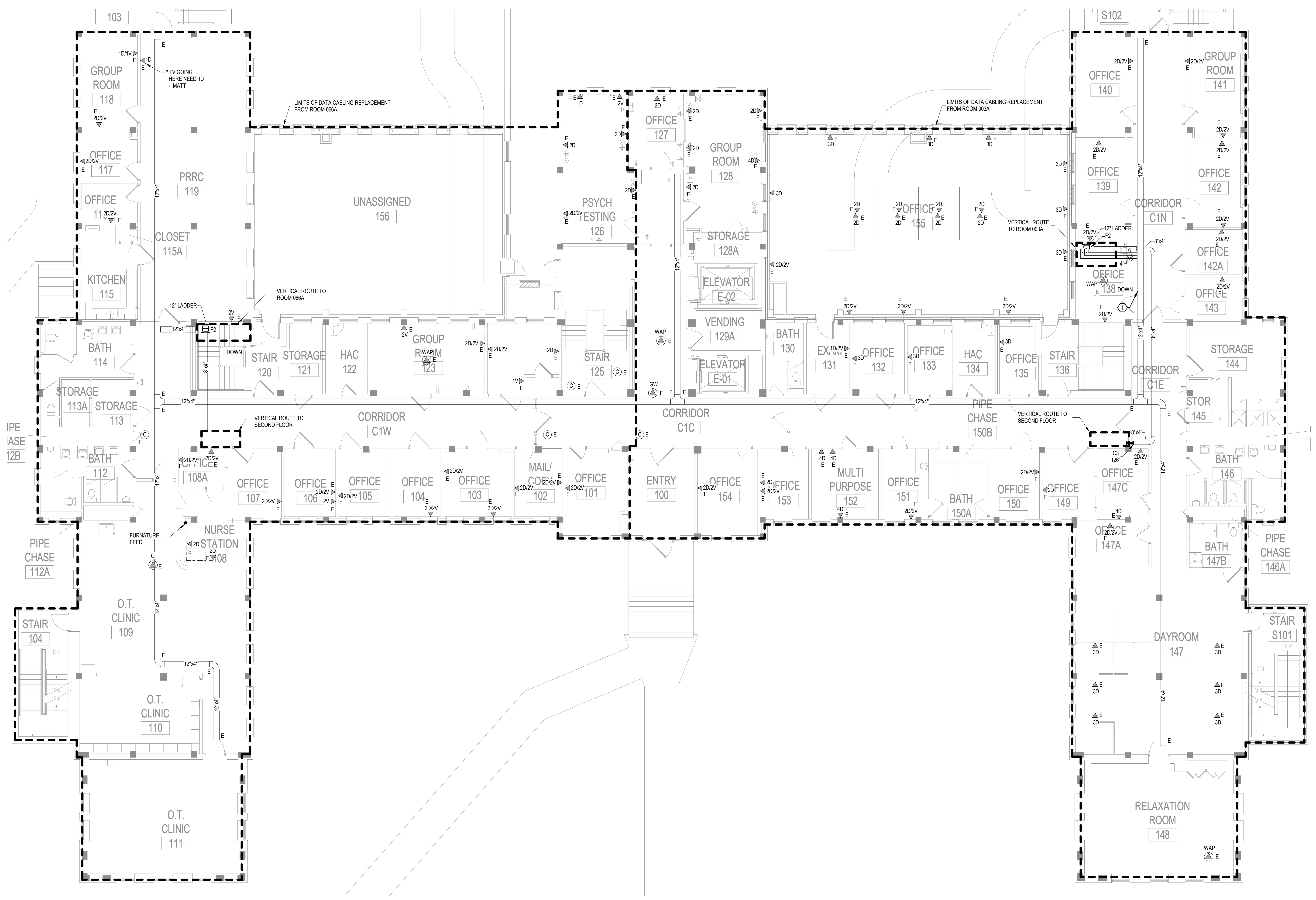
**FULLY SPRINKLERED**

**DWG. OF**

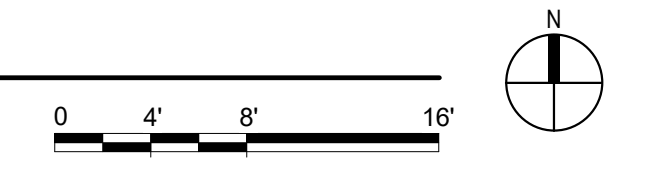
**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System

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

**SHEET NOTES:**  
 1. CONTRACTOR TO PROVIDE NEW WIRE BASKET, AS NEEDED, TO MAINTAIN A 50% OR LESS FILL OF THE CABLE TRAY SYSTEM FOR THE FLOOR. THE NEW WIRE BASKET WILL MATCH THE SIZE AND DISTANCE, EITHER BESIDE OR BELOW THE EXISTING CABLE TRAY, TO MATCH THE EXISTING TELECOM CABLE TRAY.



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



5/11/2022 4:00:08 PM BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-B28\_T\_R21.rvt

No.	REVISION	DATE

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 Nathan Timm  
 BICSI 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**  
 AS SHOWN

**PROJECT NO.**  
 656-21-235

**DRAWING NO.**  
 28-TN110

**BUILDING NO.**  
 28

**CHECKED BY**  
 KSB

**DRAWN BY**  
 SSK

**LOCATION**  
 VA MEDICAL CENTER  
 ST. CLOUD, MN 56303

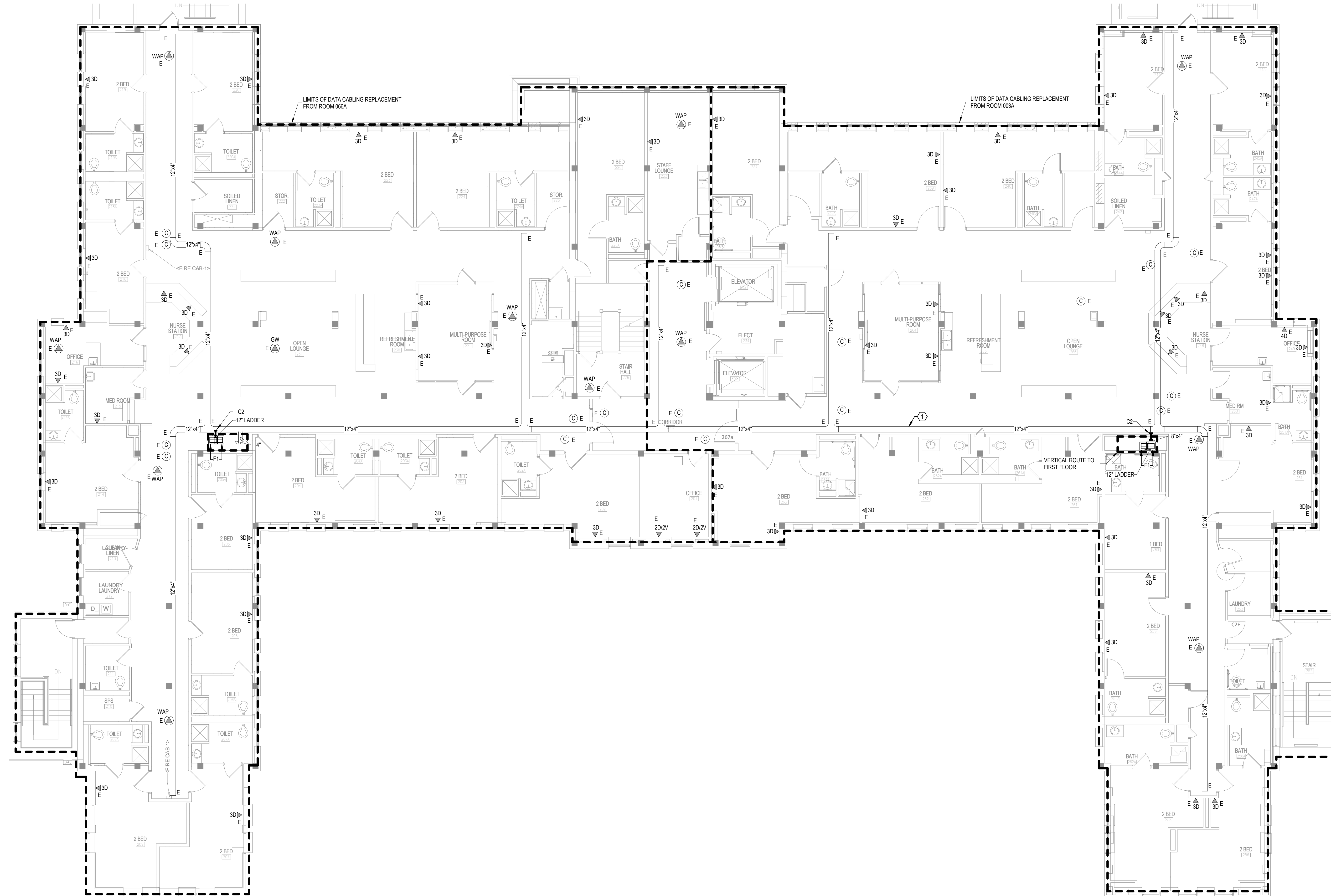
**FULLY SPRINKLERED**

**DWG. OF**

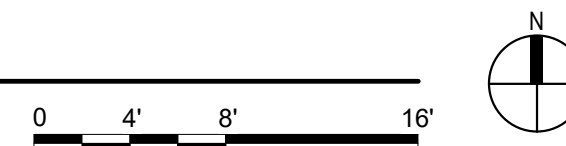
**U.S. Department of Veterans Affairs**  
 Veterans Health Administration  
 St. Cloud VA Health Care System

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

**SHEET NOTES:**  
1. CONTRACTOR TO PROVIDE NEW WIRE BASKET, AS NEEDED, TO MAINTAIN A 50% OR LESS FILL OF THE CABLE TRAY SYSTEM FOR THE FLOOR. THE NEW WIRE BASKET WILL MATCH THE SIZE AND DISTANCE, EITHER BESIDE OR BELOW THE EXISTING CABLE TRAY, TO MATCH THE EXISTING TELECOM CABLE TRAY.



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



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5/11/2022 4:00:10 PM

No.	REVISION	DATE


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**STAMP**



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

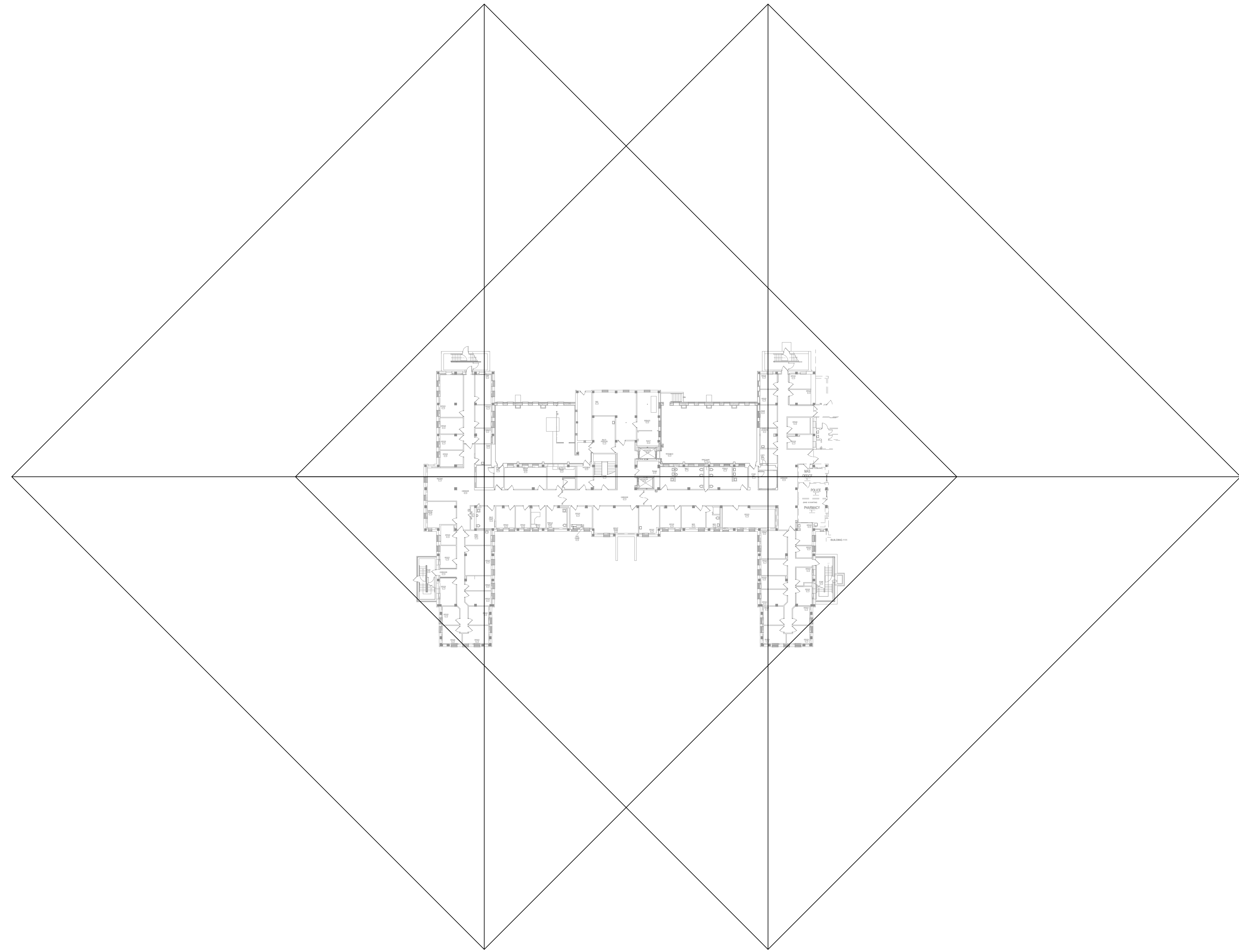
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SECOND FLOOR PLAN - TELECOMMUNICATIONS

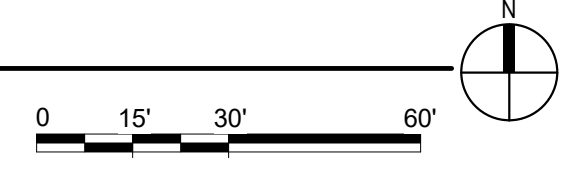
PROJECT FILE	EHRM INFRASTRUCTURE UPGRADES	DATE	03/30/2022
PLOT SCALE		PROJECT NO.	656-21-235
BUILDING No.	28	DRAWING NO.	28-TN120
CHECKED BY	KSB	DRAWN BY	SSK
LOCATION	VA MEDICAL CENTER ST. CLOUD, MN 56303	FULLY SPRINKLERED	DWG. OF




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



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



5/11/2022 4:00:11 PM  
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No.	REVISION	DATE

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**Bicsi**  
 Nathan Timm  
 BICSI ID # 346555  
 Expires 12/31/24

**DRAWING TITLE**  
 BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE

**PROJECT FILE**  
 EHRM INFRASTRUCTURE UPGRADES

**DATE**  
 03/30/2022

**PLOT SCALE**  
 1" = 30'-0"

**PROJECT NO.**  
 656-21-235

**DRAWING NO.**  
 28-TN200

**BUILDING No.**  
 28

**CHECKED BY**  
 KSB

**DRAWN BY**  
 SSK

**LOCATION**  
 VA MEDICAL CENTER  
 ST. CLOUD, MN 56303

**FULLY SPRINKLERED**

**DWG. OF**

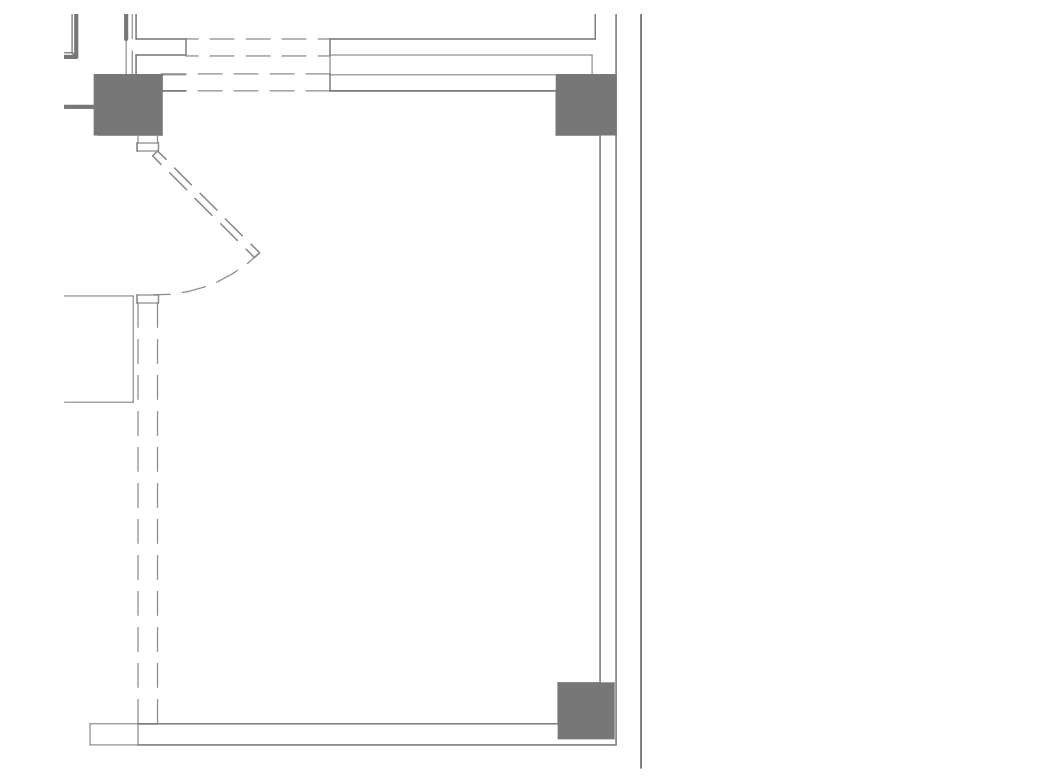
**U.S. Department of Veterans Affairs**  
 Veterans Health Administration  
 St. Cloud VA Health Care System

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

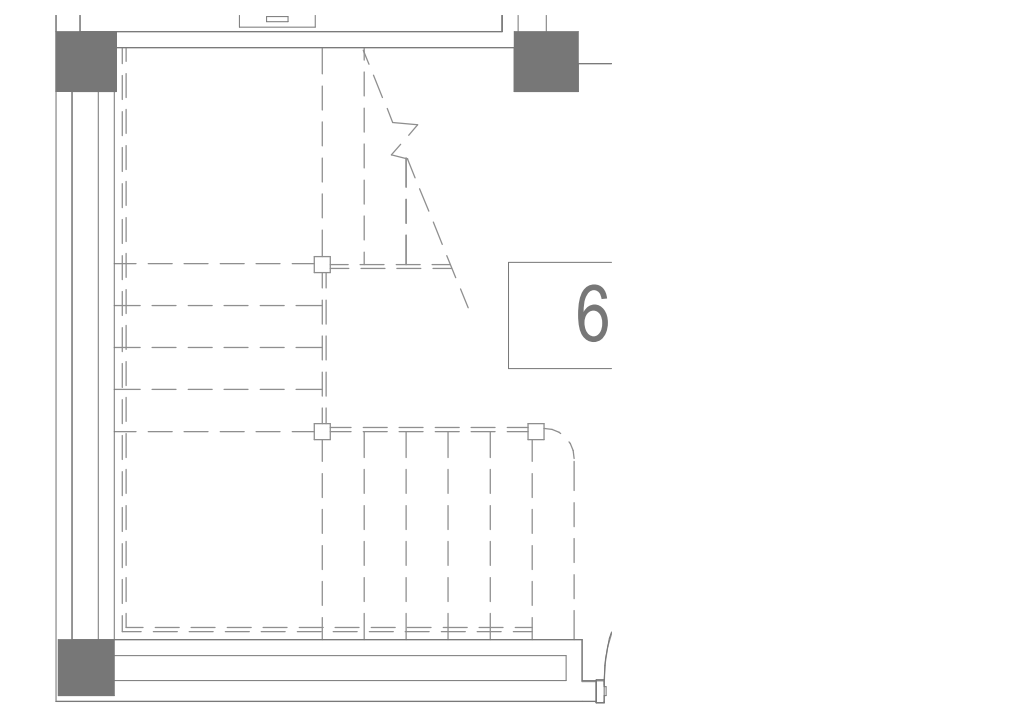
**SHEET NOTES:**  
1. EXISTING TELECOMMUNICATIONS CAGE AND RACK SHALL BE INCLUDED WITHIN THE SCOPE OF DEMOLITION. EXISTING CABLING AND ASSOCIATED OUTLETS SHALL BE REMOVED AND REPLACED 1 FOR 1 AND REFERRED FROM DISTRIBUTION EQUIPMENT LOCATED WITHIN THE NEW TELECOMMUNICATIONS ROOM. REFER TO GENERAL CABLING NOTES FOR APPROXIMATE QUANTITIES. REFER TO NEW WORK PLANS FOR SERVING COMMUNICATIONS ROOM LOCATION AND NEW CABLING ROUTES.  
2. 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:**  
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.

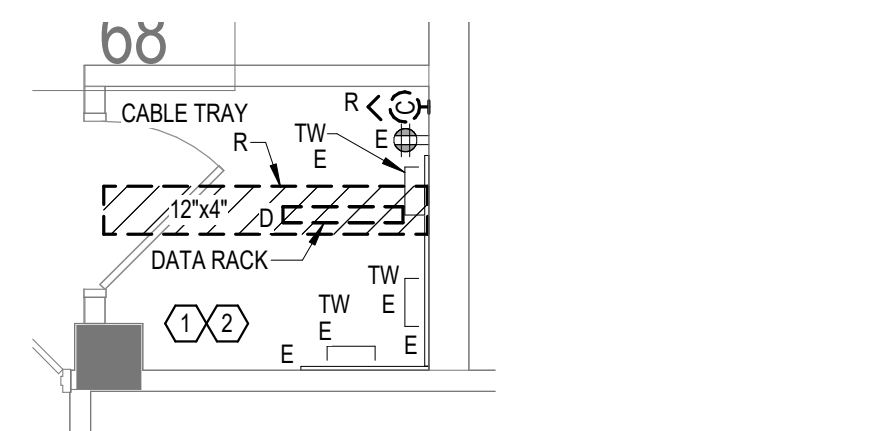
ROOM 066A	ROOM 228
EXISTING CABLE COUNT	EXISTING CABLE COUNT
DATA (CAT6): 0	DATA (CAT6): 288
DATA (CAT5e): 430	DATA (CAT5e): 0
DATA (CAT5): 0	DATA (CAT5): 0
DATA (CAT3): 0	DATA (CAT3): 0
CABLE RELOCATION COUNT	CABLE RELOCATION COUNT
DATA (CAT6): 0	DATA (CAT6): 0
DATA (CAT5e): 0	DATA (CAT5e): 0
DATA (CAT5): 0	DATA (CAT5): 0
DATA (CAT3): 0	DATA (CAT3): 0
EXISTING CABLE TO REMAIN	EXISTING CABLE TO REMAIN
DATA (CAT6): 0	DATA (CAT6): 0
DATA (CAT5e): 0	DATA (CAT5e): 0
DATA (CAT5): 0	DATA (CAT5): 0
DATA (CAT3): 0	DATA (CAT3): 0
FINAL CABLE COUNT	FINAL CABLE COUNT
DATA (CAT6): 0	DATA (CAT6): 0
DATA (CAT5e): 0	DATA (CAT5e): 0
DATA (CAT5): 0	DATA (CAT5): 0
DATA (CAT3): 0	DATA (CAT3): 0



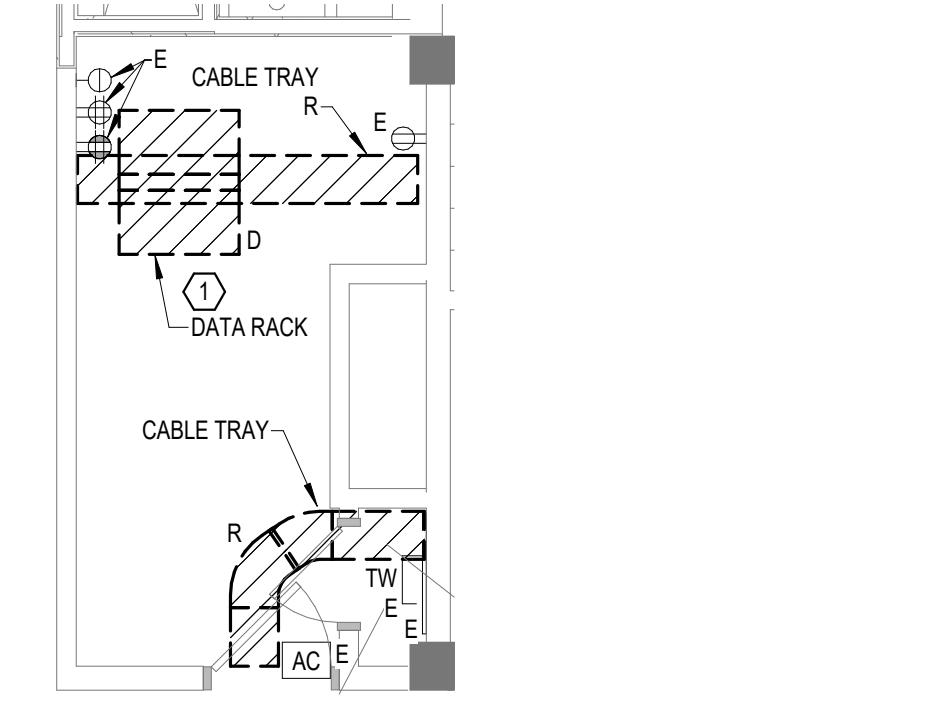
1 ENLARGED PLAN - TR 003A - TELECOM - DEMO  
1/4" = 1'-0"



2 ENLARGED PLAN - TR 066A - TELECOM - DEMO  
1/4" = 1'-0"



3 ENLARGED PLAN - EXIST RM 068 - TELECOM - DEMO  
1/4" = 1'-0"



4 ENLARGED PLAN - EXIST RM 228A - TELECOM - DEMO  
1/4" = 1'-0"

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No.	REVISION	DATE

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**REGISTERED COMMUNICATIONS DISTRIBUTION**

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

**DRAWING TITLE**

ENLARGED PLANS - TELECOMMUNICATIONS - DEMO

**PROJECT FILE**

EHRM INFRASTRUCTURE UPGRADES

**DATE**  
03/30/2022

**PROJECT NO.**  
656-21-235

**DRAWING NO.**  
28-TN300

**BUILDING No.**  
28

**CHECKED BY**  
KSB

**DRAWN**  
SSK

**LOCATION**  
VA MEDICAL CENTER ST. CLOUD, MN 56303

**FULLY SPRINKLERED**

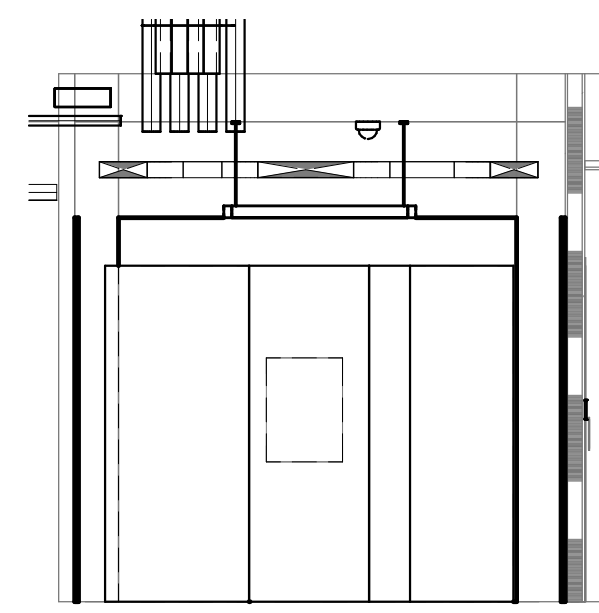
**DWG. OF**

**VA**

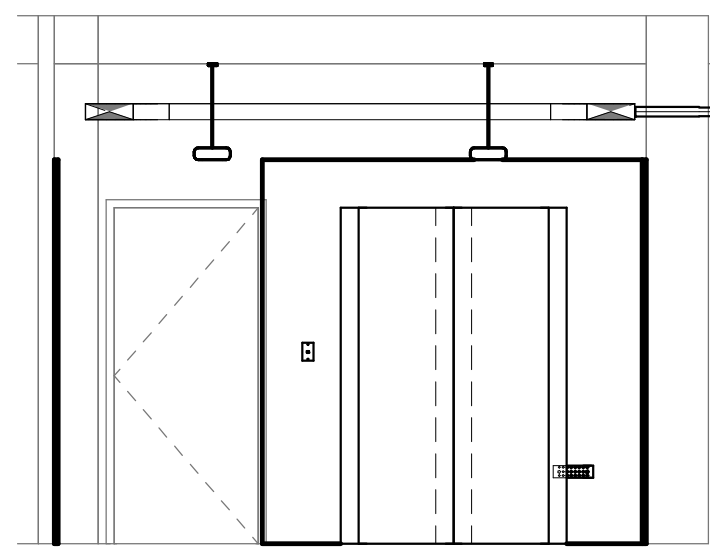
**U.S. Department of Veterans Affairs**

Veterans Health Administration  
St. Cloud VA Health Care System

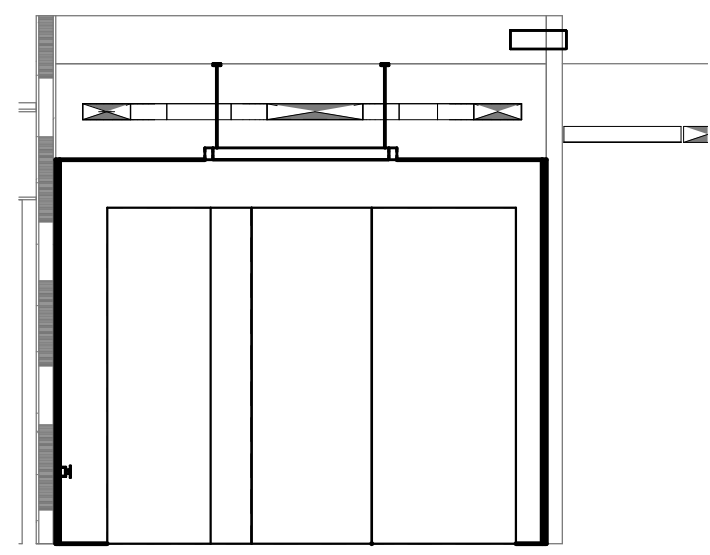
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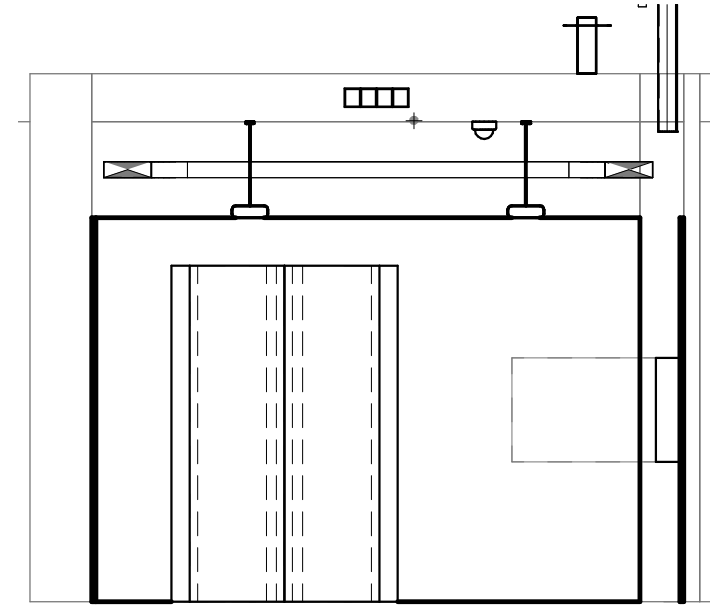
2 1-a  
1/4" = 1'-0"



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



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



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

**GENERAL NOTES:**

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

**SHEET NOTES:**

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

**CABLING NOTE:**

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

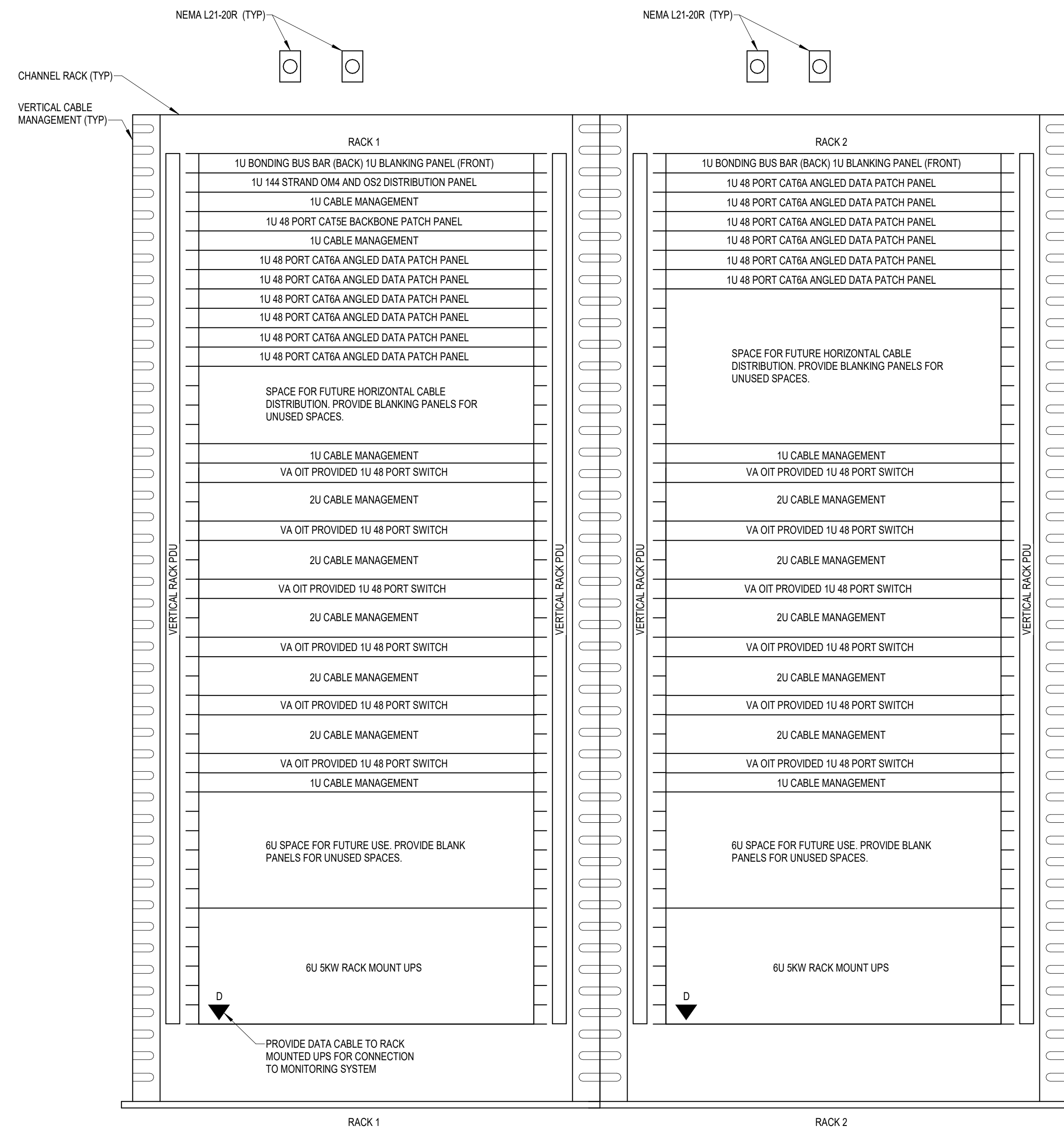
1. ROOM 066A

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

CABLE RELOCATION COUNT  
DATA (CAT6): 0  
DATA (CAT5e): 361 FROM ROOM 066A  
DATA (CAT3): 0  
DATA (CAT3): 0

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

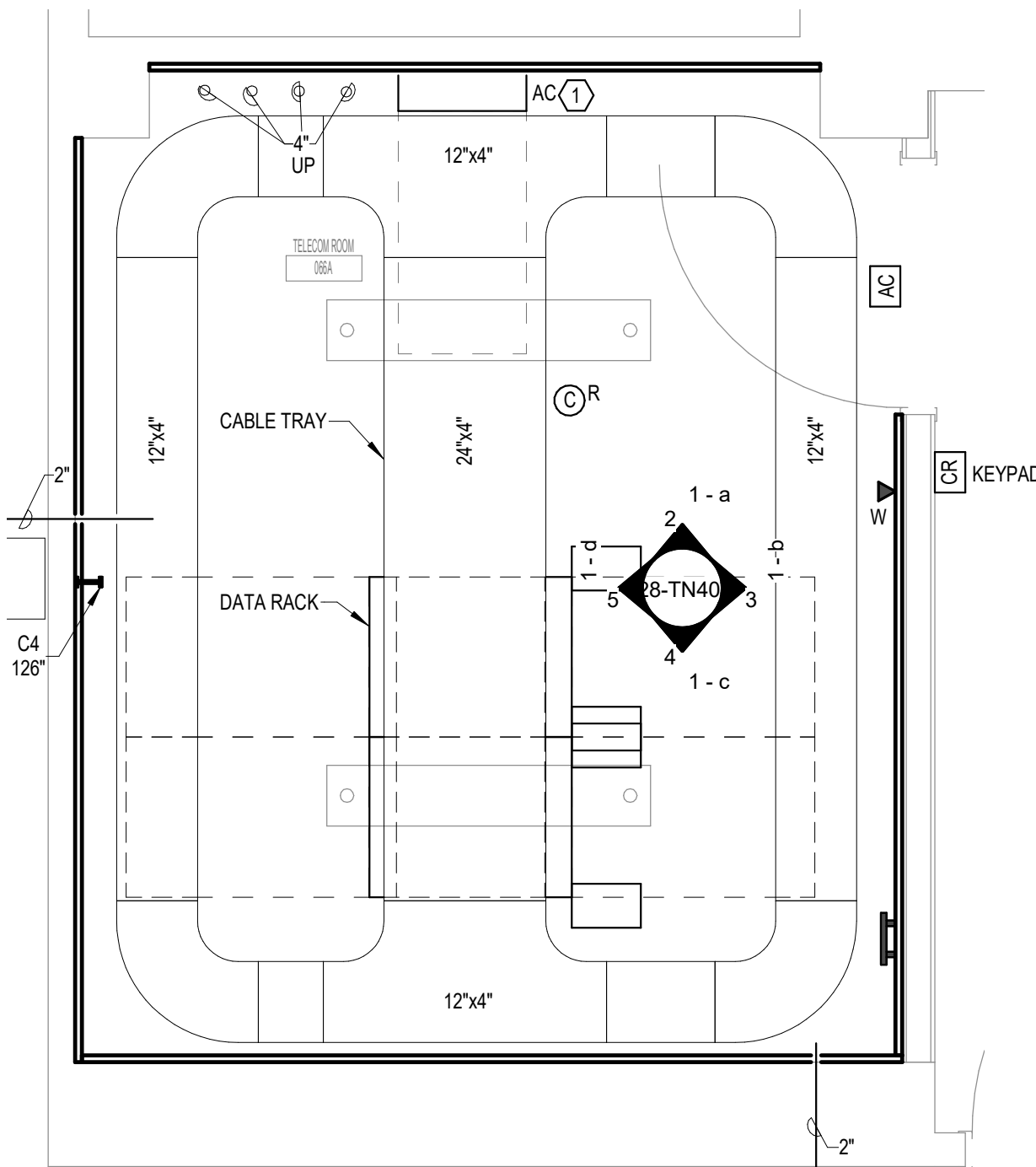
FINAL CABLE COUNT  
DATA (CAT6): 361  
DATA (CAT3): 0



**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 IS/IT 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 "KIT PROVIDED".
- PUNCHDOWN COPPER BACKBONES ON RACK MOUNT PATCH PANELS. TERMINATE ONE (1) PAIR PER PATCH PANEL PORT.

6 COMMUNICATIONS - TYPICAL TWO RACK ELEVATION WITH RACK MOUNT UPS - TR 066A  
NOT TO SCALE



1 ENLARGED PLAN - TR 066A - TELECOM - CABLE TRAY AND DATA  
1/2" = 1'-0"

5/11/2022 4:00:15 PM

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No.	REVISION	DATE

**CONSULTANT**

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www.specializedeng.com

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**STAMP**

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

**DRAWING TITLE**

ENLARGED PLANS - TELECOMMUNICATIONS

**PROJECT FILE**

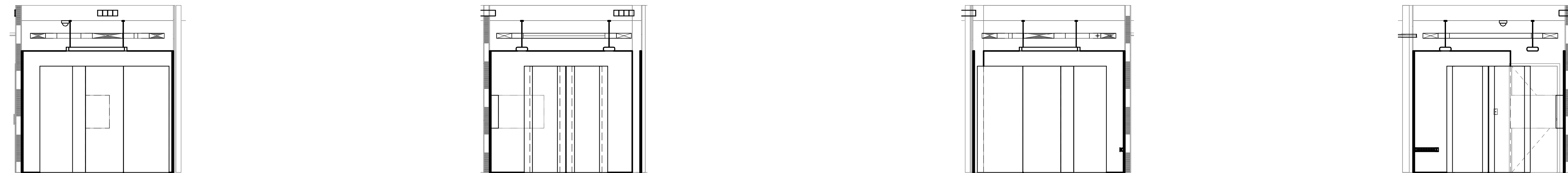
EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022  
PLOT SCALE:  
PROJECT NO: 656-21-235  
DRAWING NO: 28-TN400

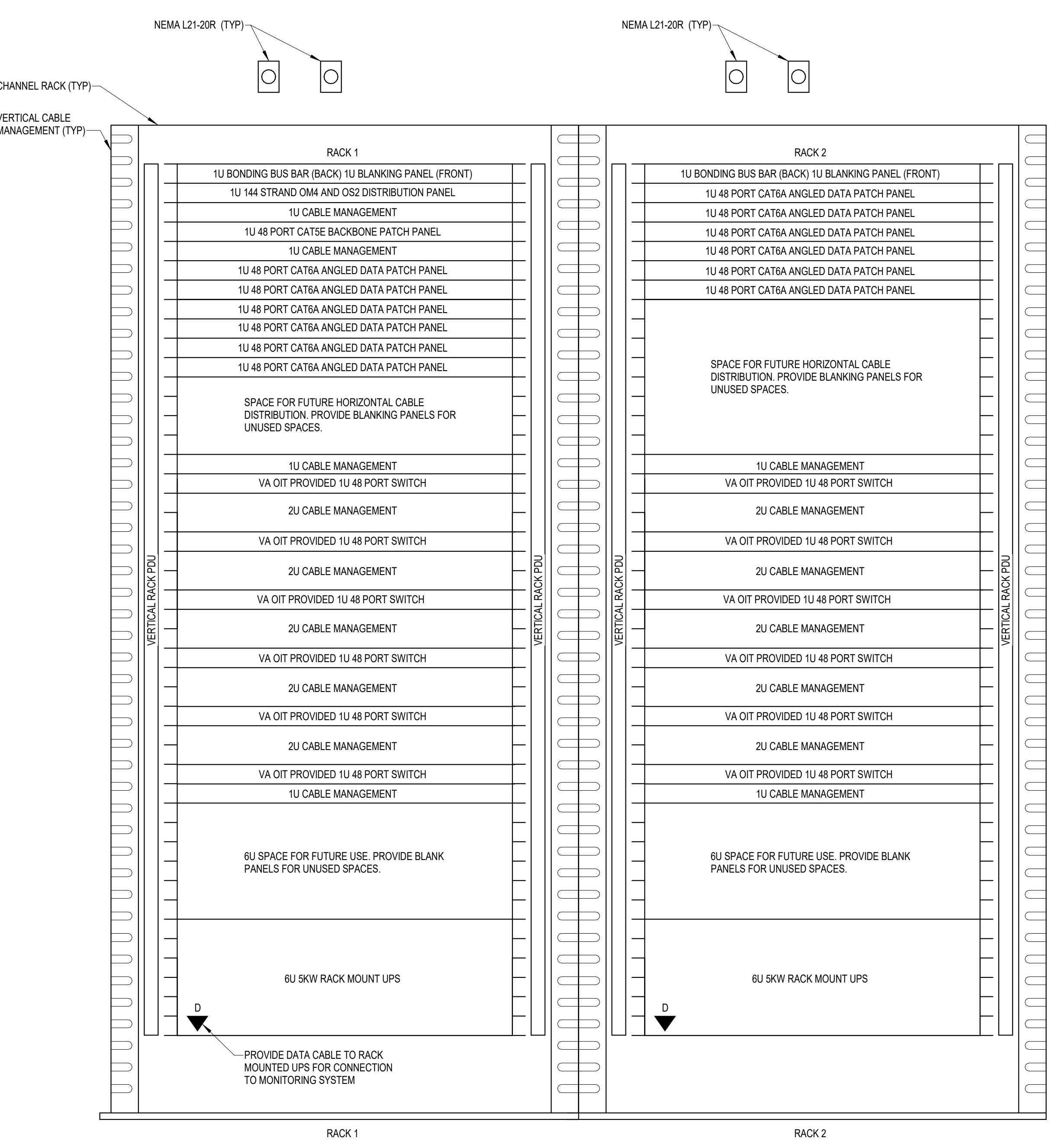
BUILDING No: 28  
CHECKED BY: KSB  
DRAWN BY: SSK  
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303  
FULLY SPRINKLERED  
DWS OF

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

A B C D E F



2 - a 1/4" = 1'-0" 2 - b 1/4" = 1'-0" 2 - c 1/4" = 1'-0" 2 - d 1/4" = 1'-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 S/I 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 TWO RACK ELEVATION WITH RACK MOUNT UPS - TR 003A NO SCALE

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

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

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

1. ROOM 003A

EXISTING CABLE COUNT
DATA (CAT5): 0
DATA (CAT5e): 0
DATA (CAT6): 0
DATA (CAT6e): 0

CABLE RELOCATION COUNT

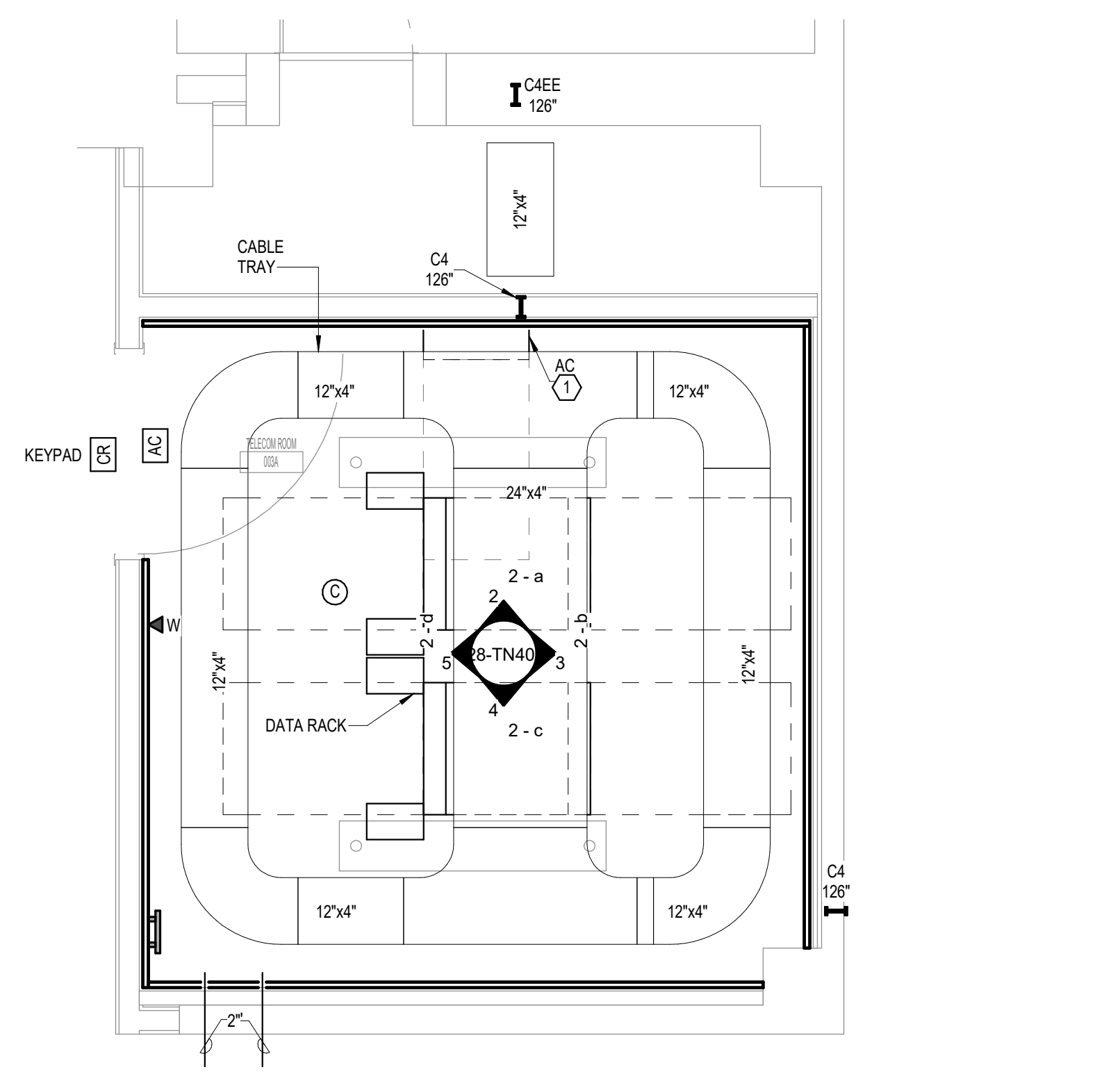
DATA (CAT5): 0
DATA (CAT5e): 73 FROM ROOM 008A, 288 FROM ROOM 228
DATA (CAT6): 0
DATA (CAT6e): 0

EXISTING CABLE TO REMAIN

DATA (CAT5): 0
DATA (CAT5e): 0
DATA (CAT6): 0
DATA (CAT6e): 0

FINAL CABLE COUNT

DATA (CAT5): 361
DATA (CAT6): 0



1 ENLARGED PLAN - TR 003A - TELECOM - CABLE TRAY AND DATA 1/2" = 1'-0"

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No.	REVISION	DATE

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**Bicsi** REGISTERED COMMUNICATIONS DISTRIBUTION

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

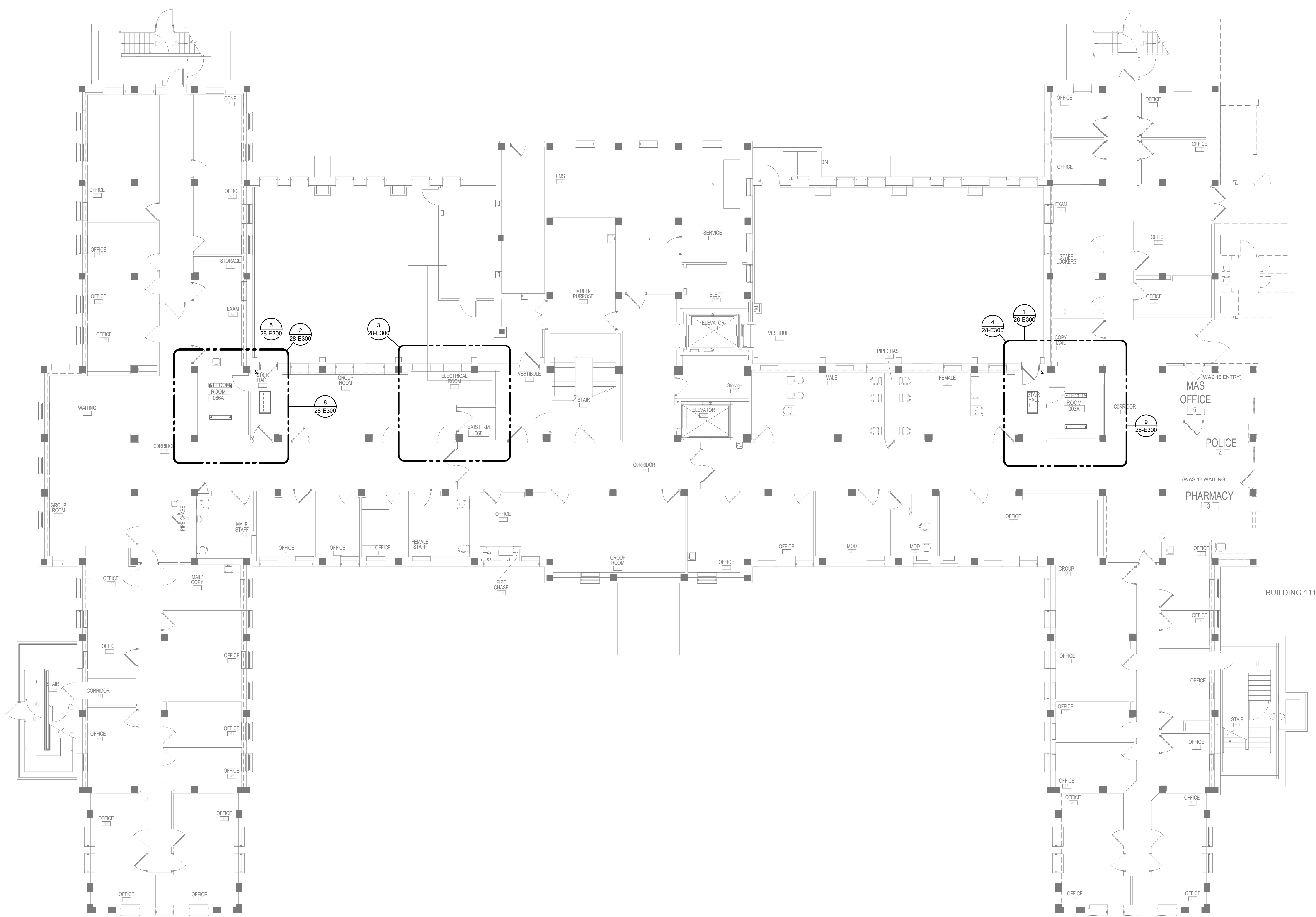
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ENLARGED PLANS - TELECOMMUNICATIONS

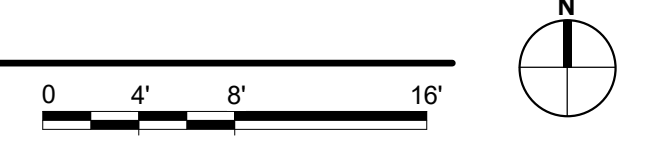
PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
PLOT SCALE	
PROJECT NO.	656-21-235
DRAWING NO.	28-TN401
BUILDING NO.	28
CHECKED BY	KSB
DRAWN BY	SSK
LOCATION	VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED	DWG. OF

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





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



3/28/2022 1:08:56 PM BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-B28.E\_R21.dwg

100% CD	03/30
REVISION	DATE

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

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

**DRAWING TITLE**  
 BASEMENT - ELECTRICAL

**PROJECT FILE**  
 EHRM INFRASTRUCTURE UPGRADES

**DATE**  
 03/30/2022

**PLOT SCALE**  
 AS SHOWN

**BUILDING No**  
 28

**CHECKER**  
 Author

**DRAWN**  
 28-E200

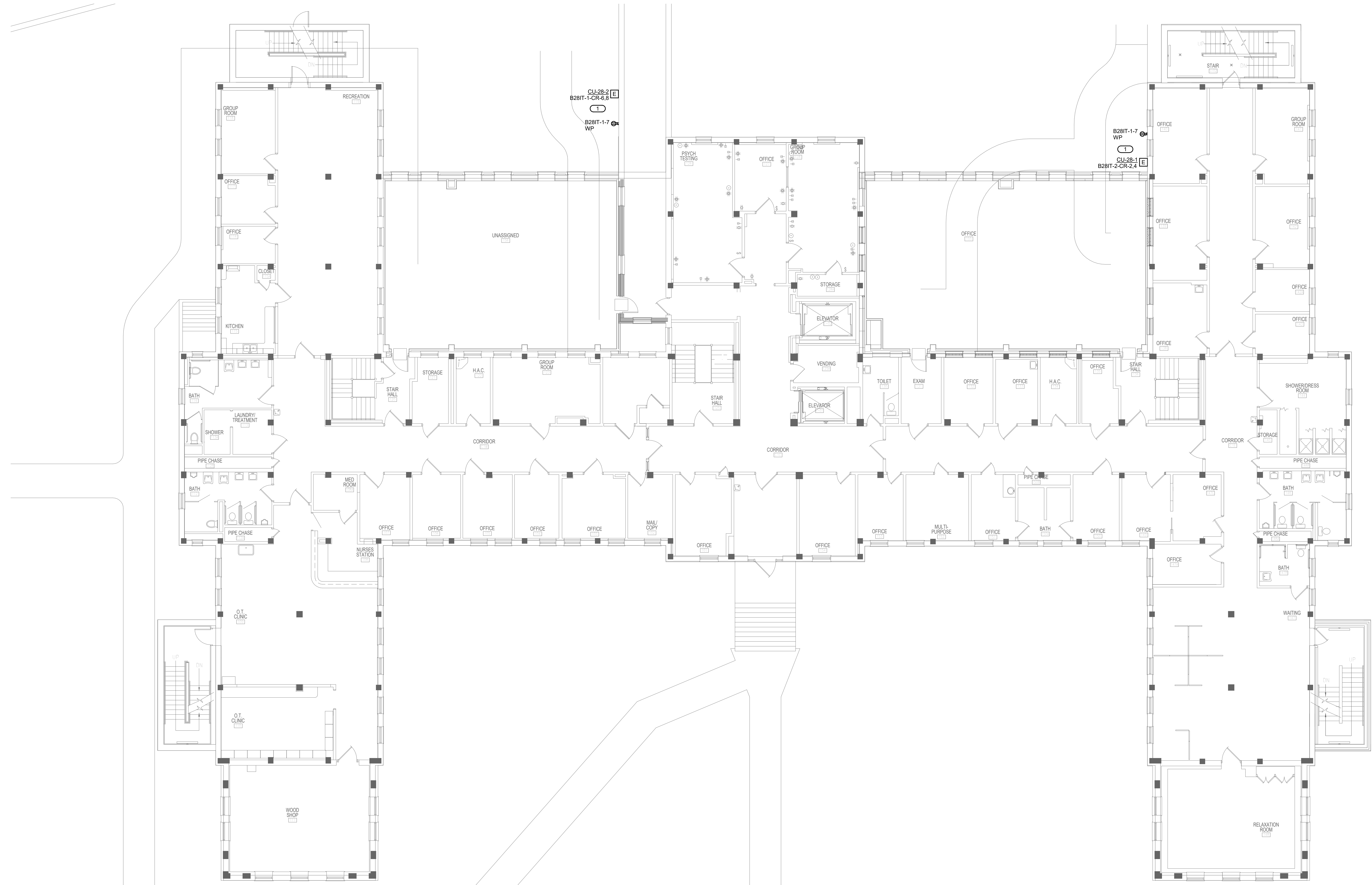
**LOCATION**  
 VA MEDICAL CENTER  
 ST. CLOUD, MN 56303

**FULLY SPRINKLERED**

**DWG. OF**

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

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



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



BIM 360/12/102.001 - VA St. Cloud EHRM Infrastructure Upgrades 656-235-B28.E - R21.dwg 3/28/2022 1:08:57 PM

No.	REVISION	DATE
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Name: *[Signature]*  
 Date: 03/30/2022  
 License Number: MN# 53095

**DRAWING TITLE**  
 FIRST FLOOR - ELECTRICAL

**PROJECT FILE**  
 EHRM INFRASTRUCTURE UPGRADES

**DATE**  
 03/30/2022

**PLOT SCALE**  
 1/8" = 1'-0"

**PROJECT NO.**  
 656-21-235

**BUILDING No.**  
 28

**CHECKED BY**  
 Author

**DRAWN BY**  
 28-E201

**LOCATION**  
 VA MEDICAL CENTER ST. CLOUD, MN 56303

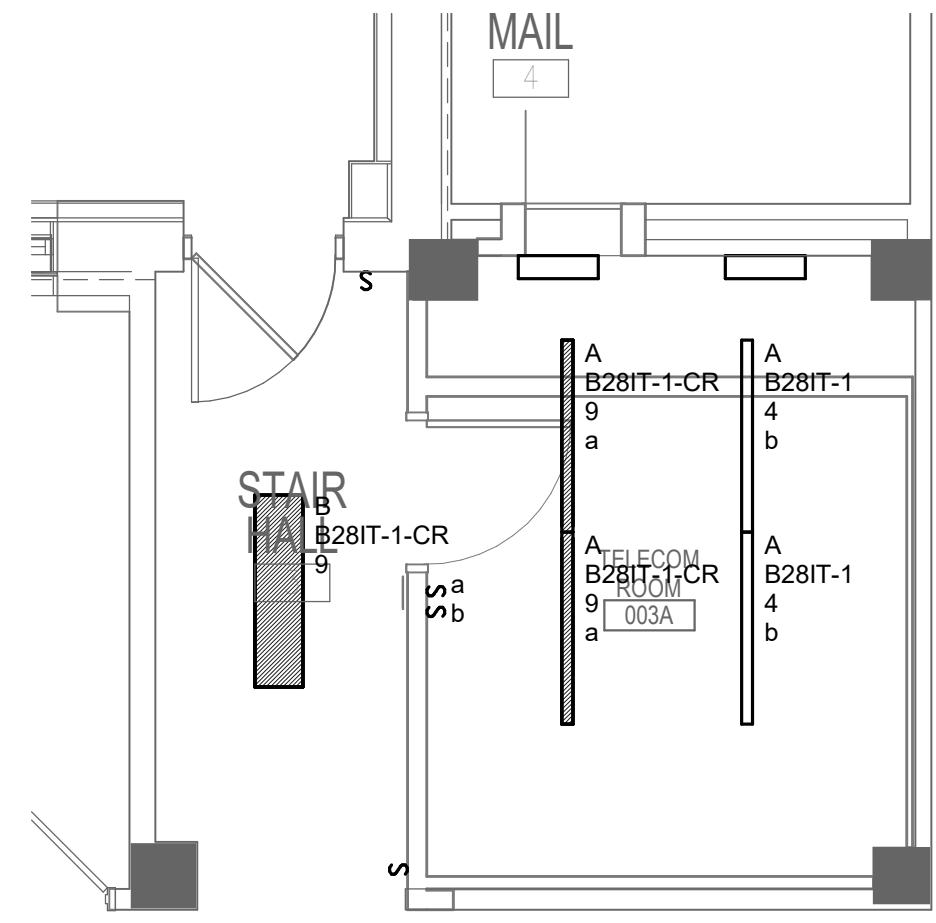
**FULLY SPRINGFIELD**

**DWG. OF**

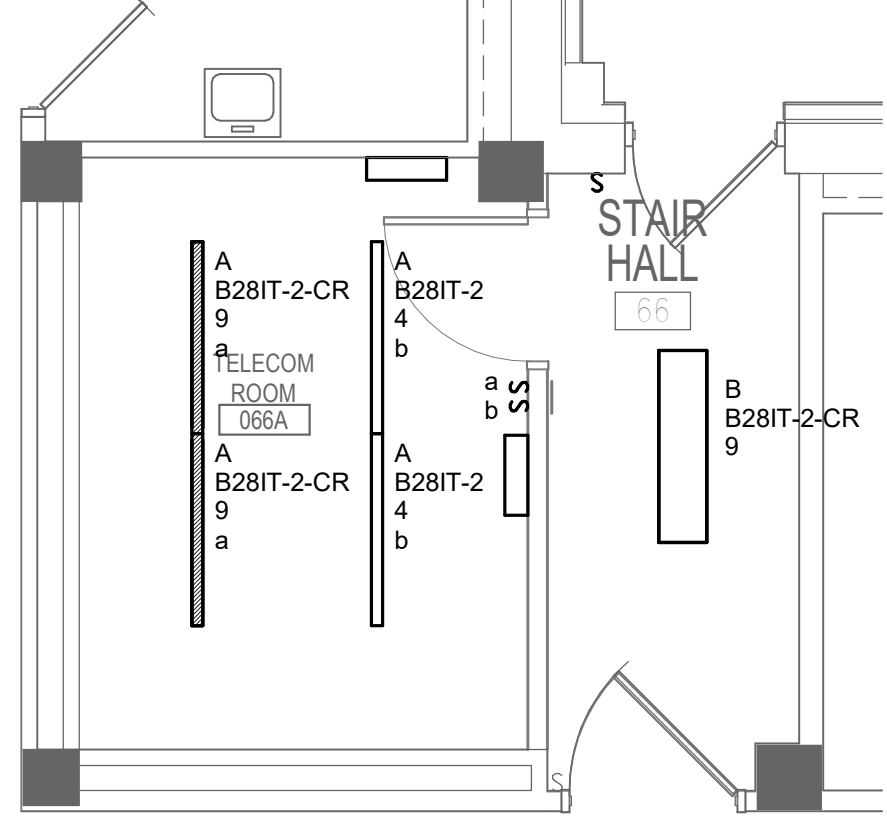
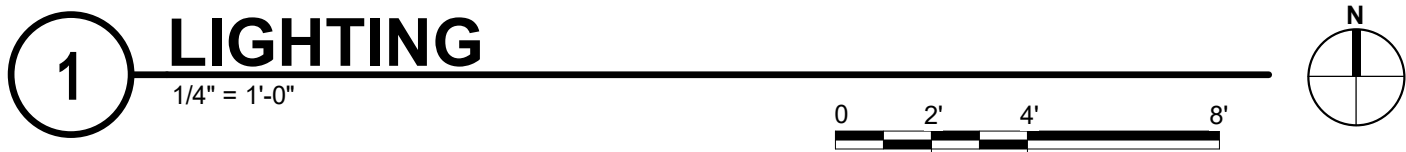
**VA**

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

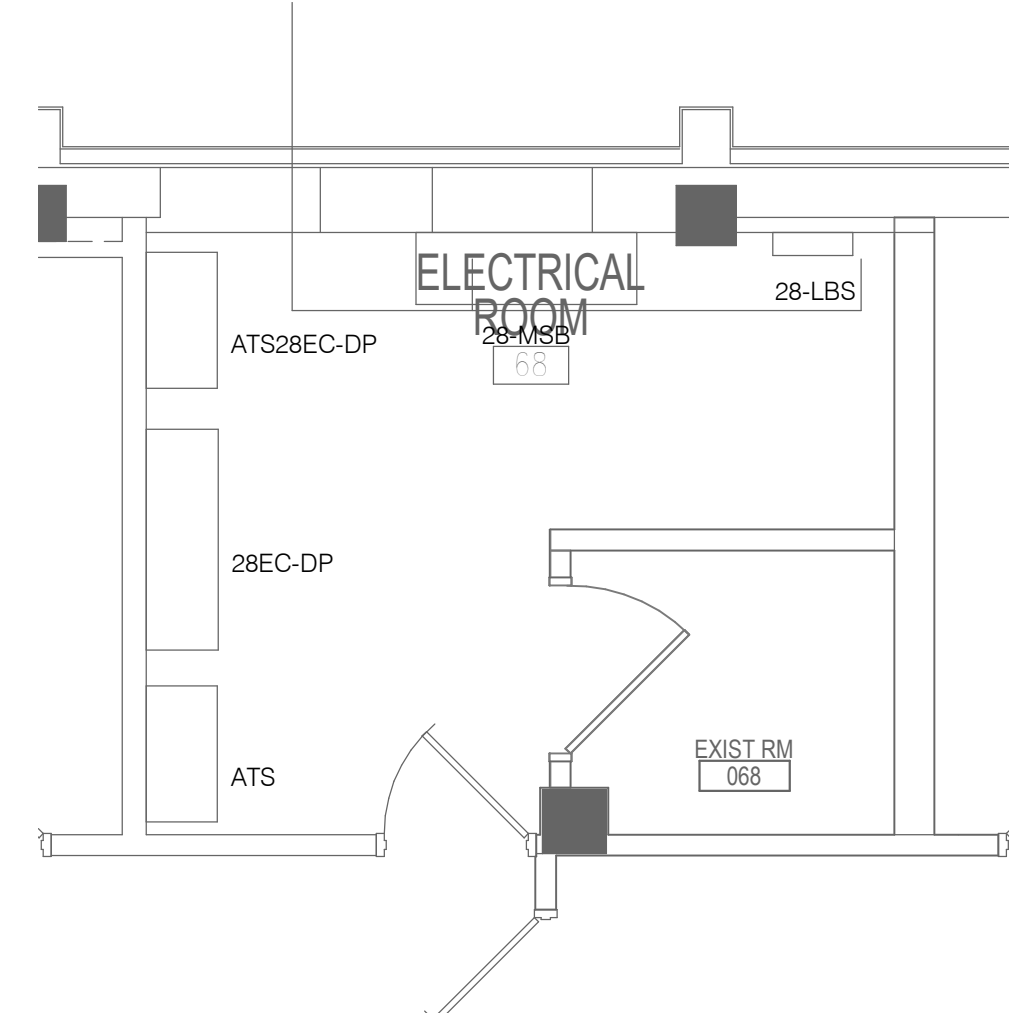
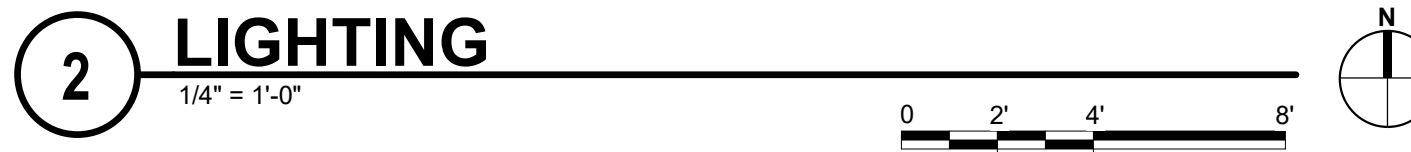
- SHEET NOTES:**
- REFER TO TECHNOLOGY PLANS FOR IT ROOM LAYOUT AND RACK LAYOUT DETAILS.
  - REFER TO SHEET 0-GE400 DETAIL FOR LAYOUT & ONE-LINE OF RACK.
- KEYNOTES:**
- DOOR UNIT TO BE POWERED BY OUTDOOR UNIT. COORDINATE EXACT LOCATION WITH M.C.
  - CONNECT SMOKE DETECTOR TO NEAREST EXISTING SLIC.
  - DISCONNECT AND REMOVE EXISTING LIGHTS AND RECEPTACLES IN ROOM. MAINTAIN CIRCUIT CONTINUITY TO ADJOINING ROOMS.
  - COORDINATE FINAL LOCATION OF RECEPTACLE L21-30R WITH TELECOM CONTRACTOR. PROVIDE 3/4" C-4#10, #12 GND TO PANEL FOR EACH RECEPTACLE.
  - PROVIDE EATON BLADEUPS, SKV, 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.
  - PROVIDE ONE RACK MOUNTED ZONE PDU UNIT, 30 AMP 3 PHASE, 120/208V, 5-WIRE WITH (4) L21-30R, (6) 5-20R AND TWO 10' POWER CORDS. ZONIT#ZPDS-208V-30A-L21-4L21-20R-CR.



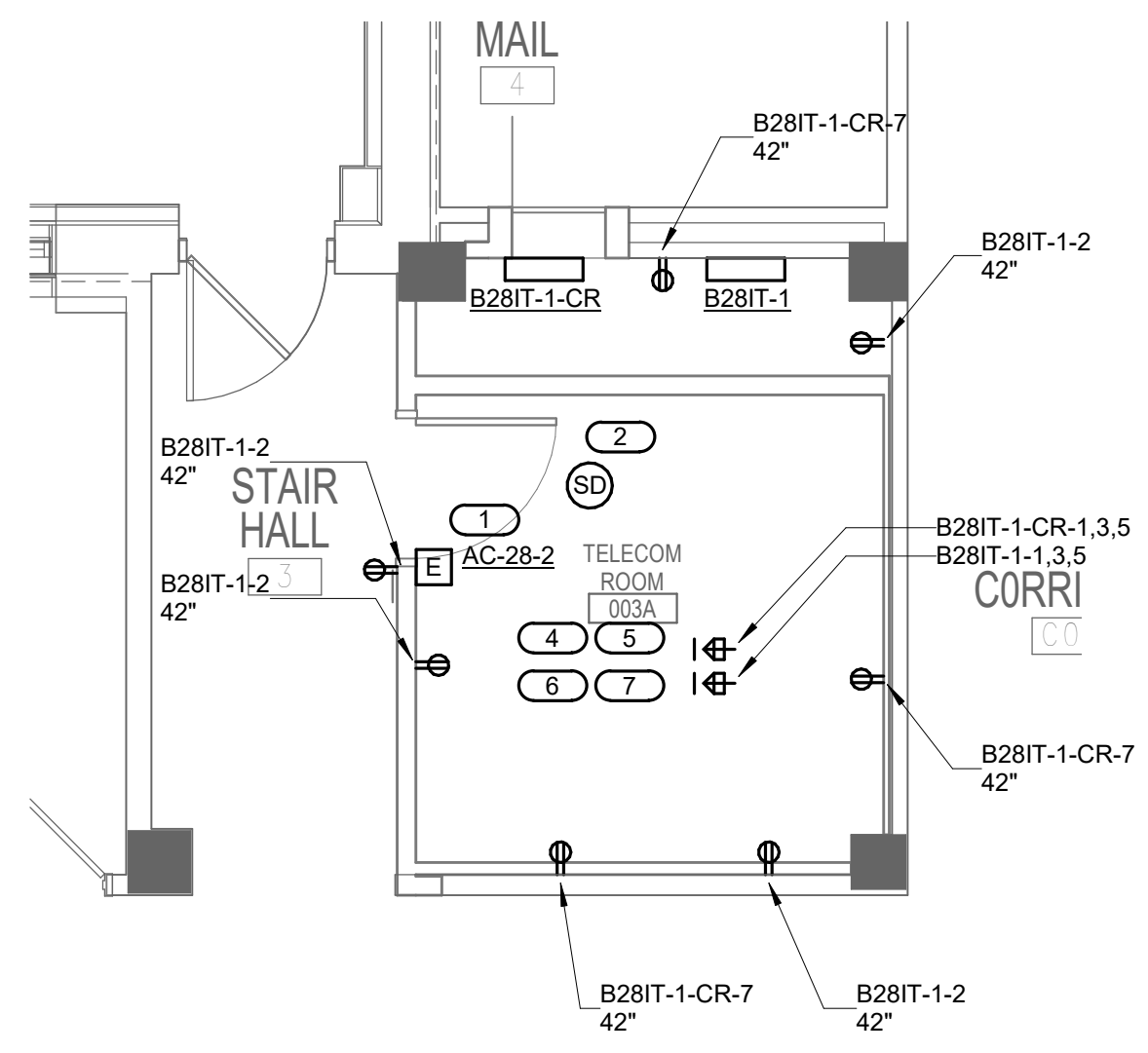
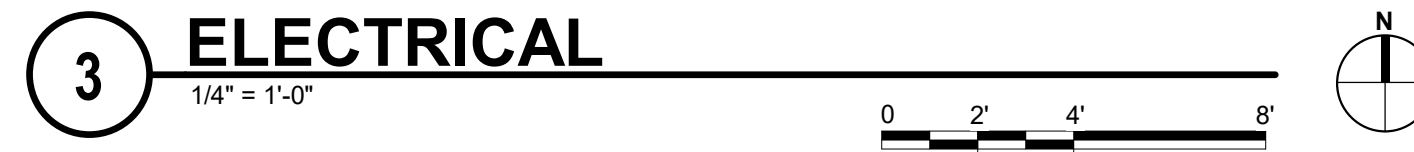
**1 BASEMENT ENLARGED - TR 003A - LIGHTING**



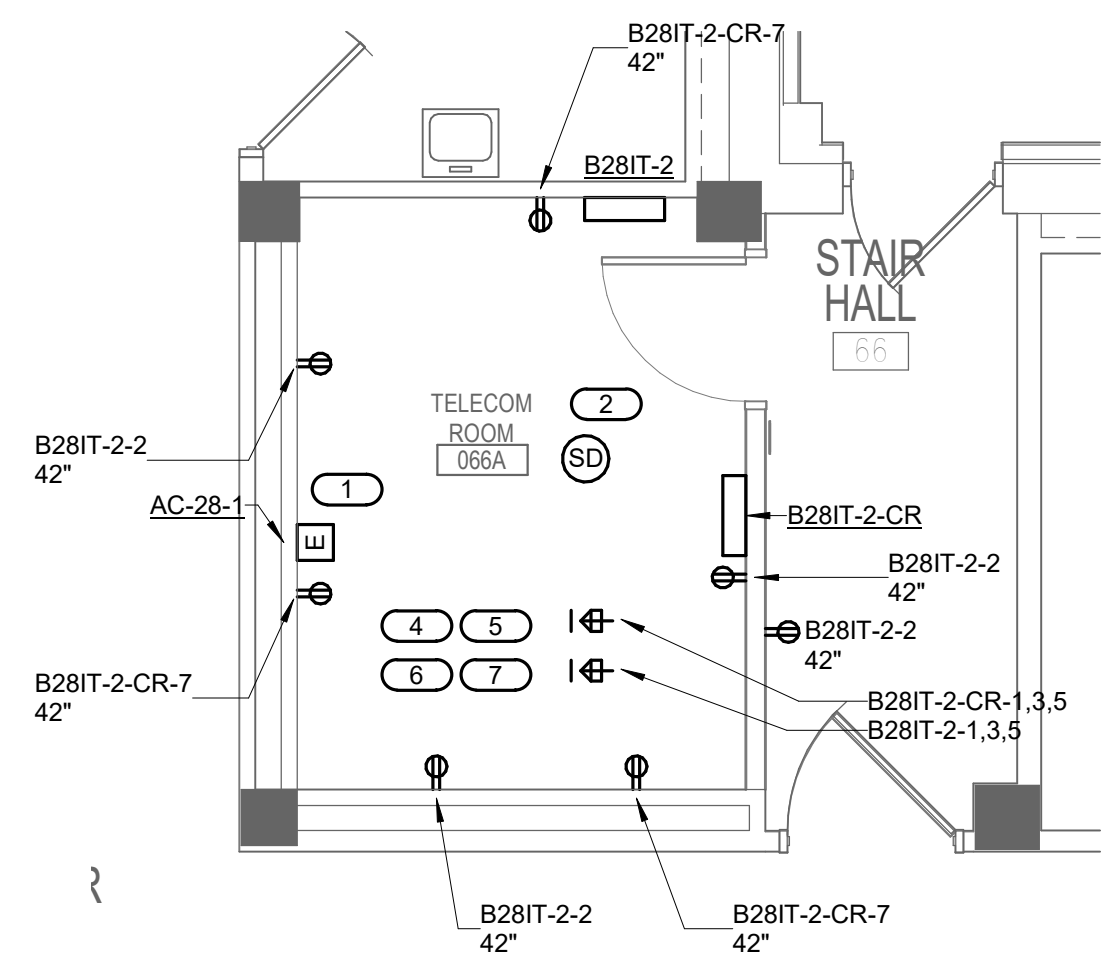
**2 BASEMENT ENLARGED - TR 066A - LIGHTING**



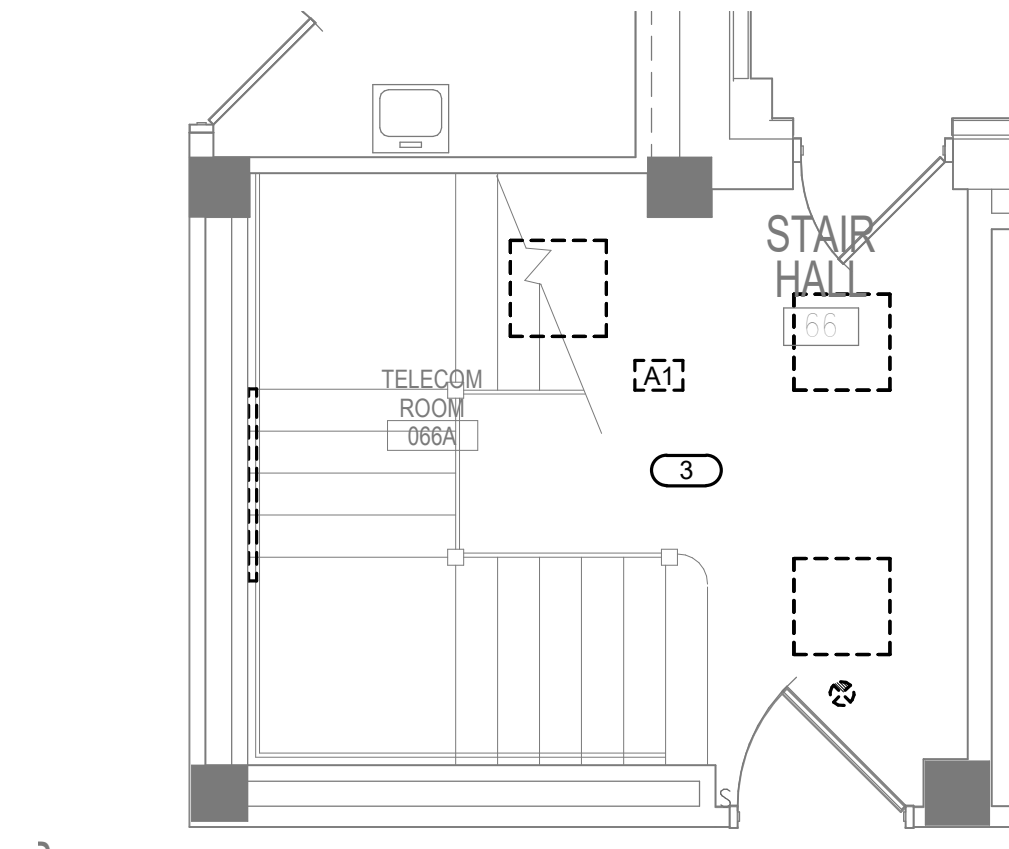
**3 BASEMENT ENLARGED - ELEC 68 - ELECTRICAL**



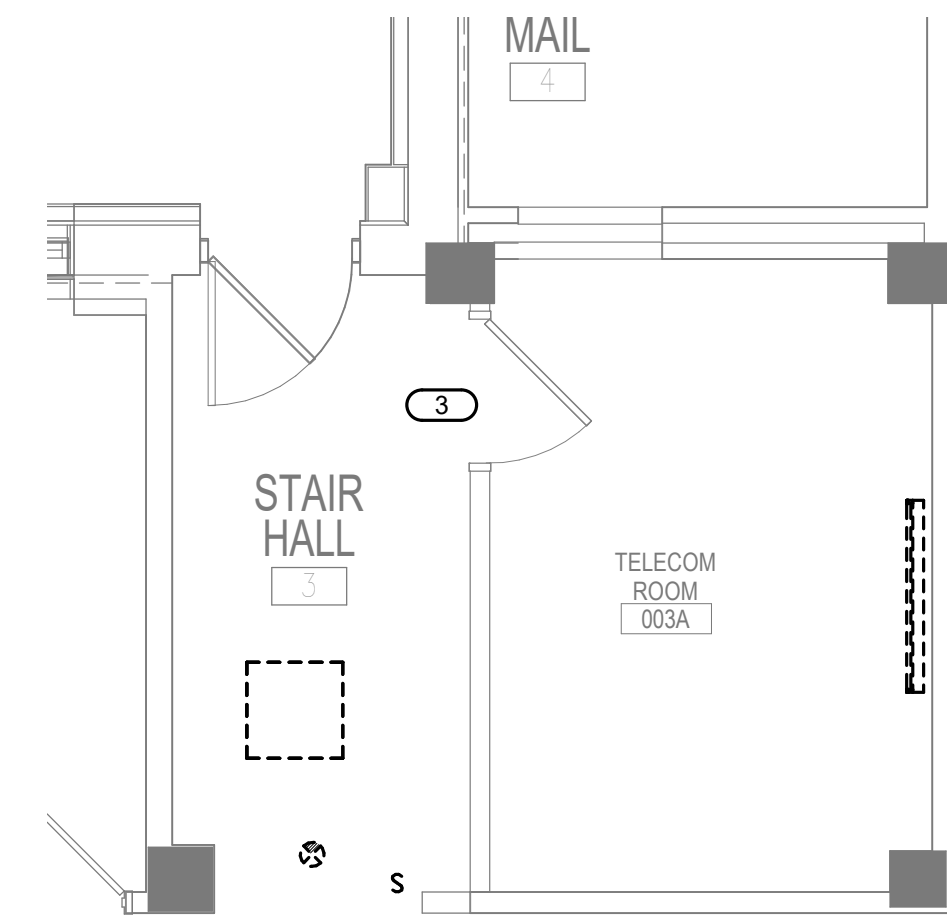
**4 BASEMENT ENLARGED - TR 003A - POWER & SYSTEM**



**5 BASEMENT ENLARGED - TR 006A - POWER & SYSTEM**



**8 BASEMENT DEMOLITION - ELECTRICAL - TR 006A**



**9 BASEMENT DEMOLITION - ELECTRICAL - TR 003A**



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No.	REVISION	DATE
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Name: *[Signature]*  
Date: 03/30/2022  
License Number: MN# 53095

**DRAWING TITLE**

**ELECTRICAL ENLARGED PLANS**

**PROJECT FILE**

**EHRM INFRASTRUCTURE UPGRADES**

DATE: 03/30/2022  
PLOT SCALE:  
PROJECT NO: 656-21-235  
DRAWING NO: 28-E300

**VA**

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

Veterans Health Administration  
St. Cloud VA Health Care System

A

B

C

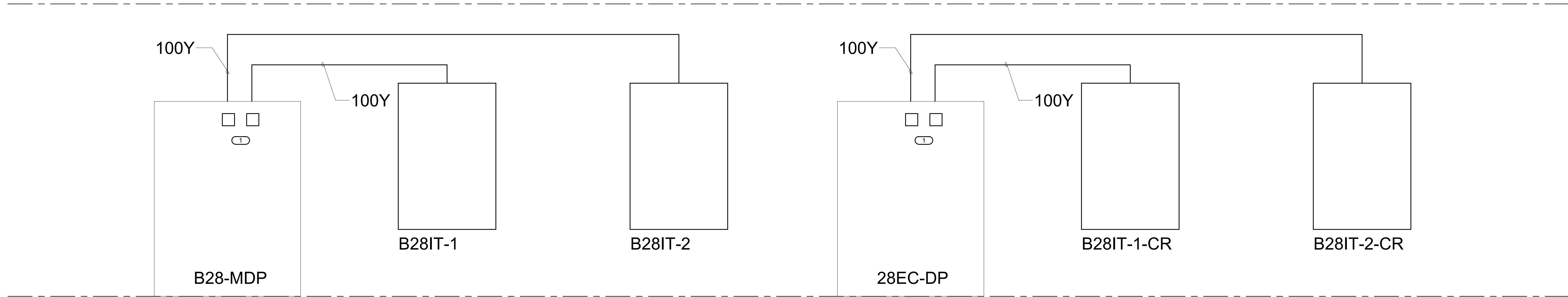
D

E

F

**KEYNOTES:** (Z)

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



**1 PARTIAL POWER RISER**  
NO SCALE

3/28/2022 1:08:59 PM  
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Name: *[Signature]*  
Date: 03/30/2022  
License Number: MNE 53095

**DRAWING TITLE**

**ELECTRICAL ONE-LINE DIAGRAMS**

<b>PROJECT TITLE</b>	<b>DATE</b>
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
<b>PROJECT NO.</b>	<b>PLANT NO.</b>
656-21-235	
<b>BUILDING No.</b>	<b>CHECKED BY</b>
28	Author
<b>DRAWING NO.</b>	<b>DWG. OF</b>
28-E400	
<b>LOCATION</b>	<b>FULLY SPRINKLERED</b>
VA MEDICAL CENTER ST. CLOUD, MN 56303	

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



**FIELD VERIFICATION NOTES**

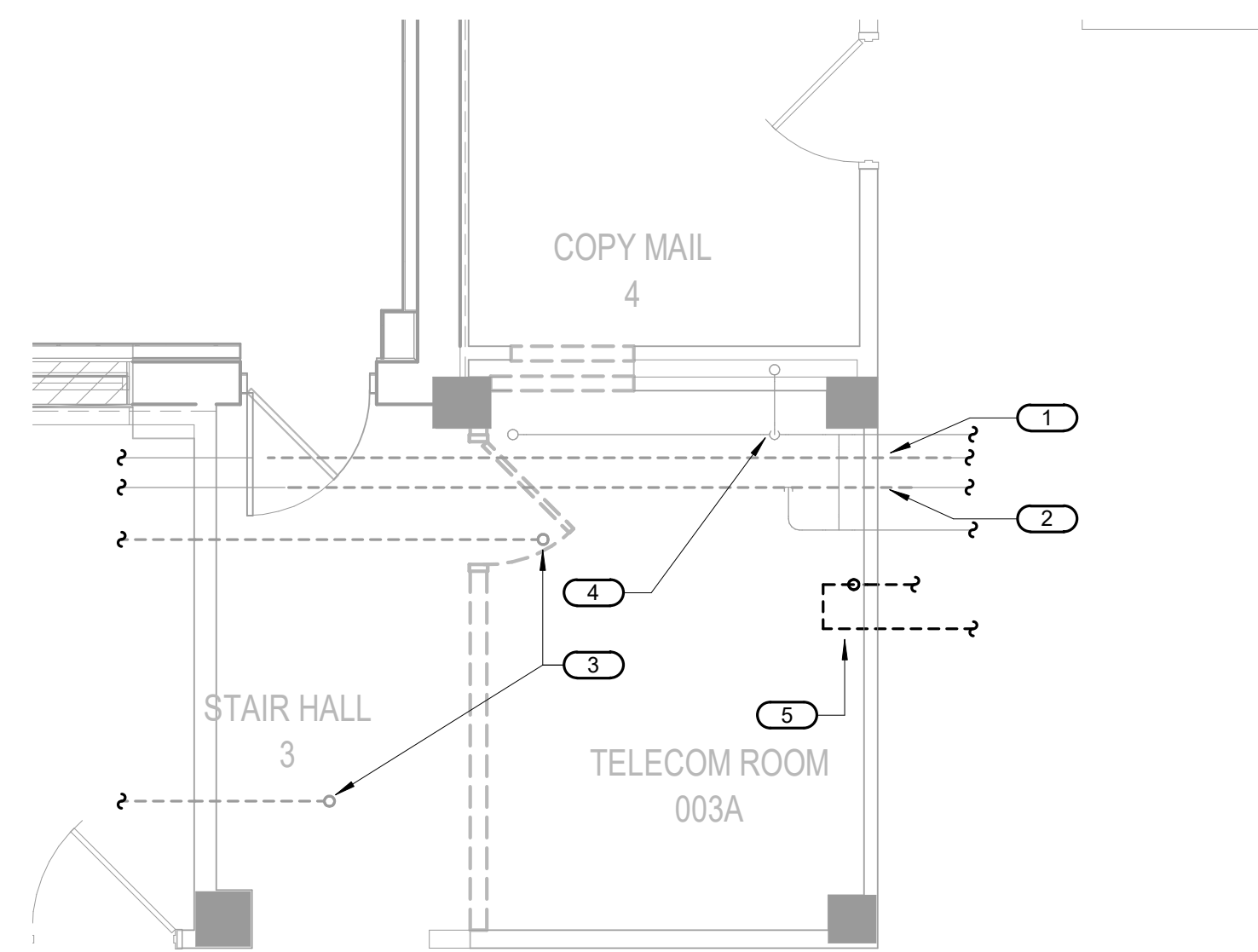
1. THE HVAC CONTRACTOR SHOULD VISIT **PRIOR TO BID** TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED:
  - A. EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK, WHETHER EXPLICITLY SHOWN 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 1/28-M100:**

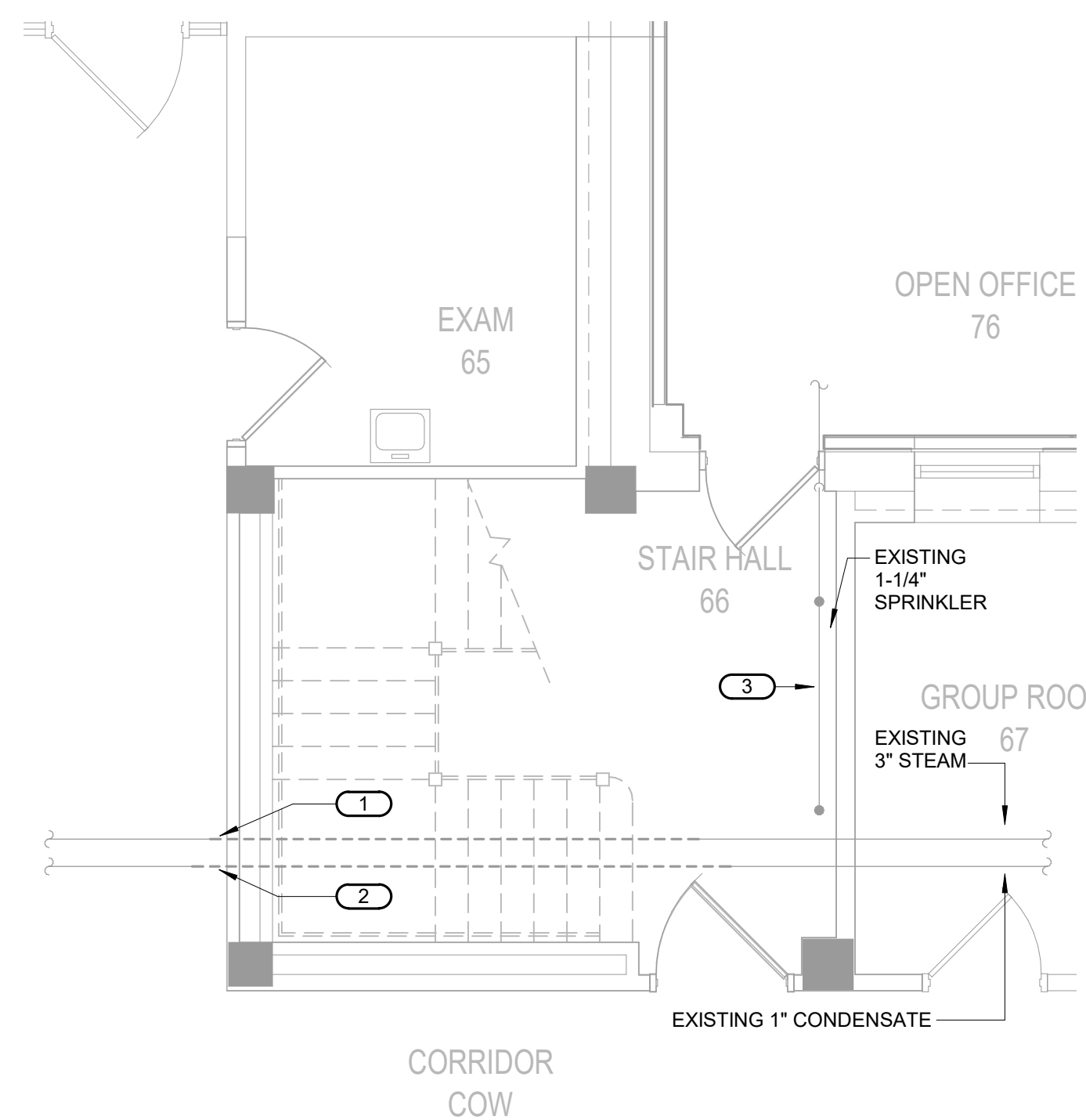
1. REMOVE SECTION OF EXISTING 3" STEAM PIPE AND PREP FOR REROUTING.
2. REMOVE SECTION OF EXISTING 1" CONDENSATE RETURN PIPING AND PREP FOR REROUTING.
3. REMOVE AND DISPOSE OF EXISTING FIRE PROTECTION SPRINKLER LINES BACK TO OUT OF STAIRWELL FOR REROUTING. PREPARE PIPE ENDS FOR RECONNECTION. FIELD VERIFY REQUIREMENTS.
4. EXISTING 2" STEEL AND NO HUB CAST IRON VENT AND SANITARY PIPING.
5. EXISTING 2" SAFE WASTE WITH FUNNEL TO BE REPIPED TO FIT WITHIN NEW CHASE SPACE.

**KEYNOTES 2/28-M100:**

1. REMOVE SECTION OF EXISTING 3" STEAM PIPE AND PREP FOR REROUTING.
2. REMOVE SECTION OF EXISTING 1" CONDENSATE RETURN PIPING AND PREP FOR REROUTING.
3. EXISTING FIRE PROTECTION LINE AND SPRINKLER HEADS TO REMAIN.



**1 BASEMENT DEMOLITION - MECHANICAL - TELECOM 003A**  
 1/4" = 1'-0"



**2 BASEMENT DEMOLITION - MECHANICAL - TELECOM 066A**  
 1/4" = 1'-0"

5/11/2022 10:12:12 PM

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No	REVISION DATE

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**ARCHITECT/ENGINEER OF**

**ANDERSON**

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Anderson Engineering of Minnesota, LLC | Proj # 16305

**STAM**

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

Name: gracie piggler  
 Date: 03/30/2022  
 License Number: MNE 000000000

DRAWING TITLE  
**BASEMENT DEMOLITION - MECHANICAL**

PROJECT FILE	DATE
<b>EHRM INFRASTRUCTURE UPGRADES</b>	03/30/2022
BUILDING No	CHECKED BY
28	RDL
DRW	DJC
DRAWING NO	DATE
28-M100	03/30/2022
LOCATION	SCALE
VA MEDICAL CENTER ST. CLOUD, MN 56303	1/4" = 1'-0"

**VA**

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

**FIELD VERIFICATION NOTES**

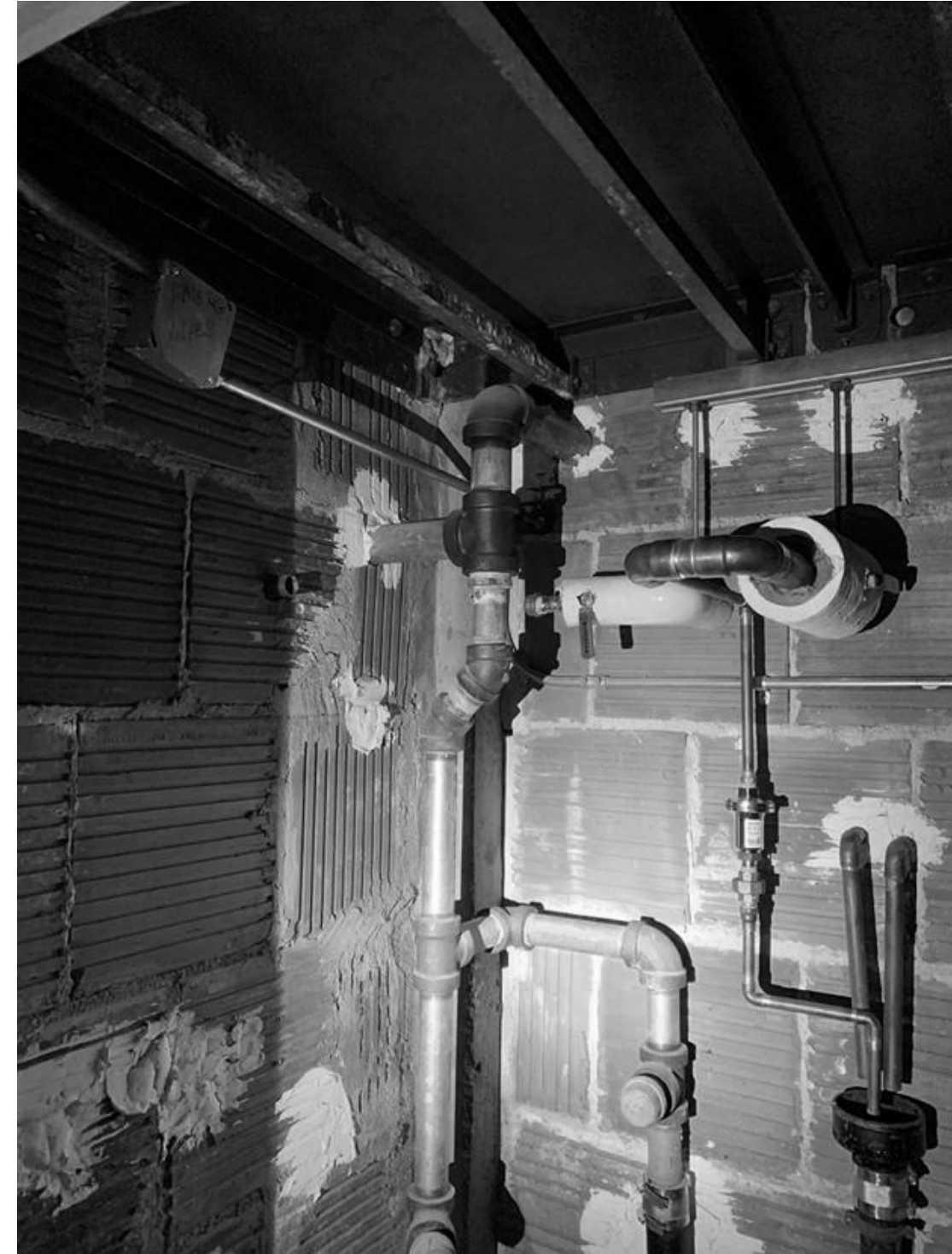
1. THE HVAC CONTRACTOR SHOULD VISIT **PRIOR TO BID** TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED:
  - A. EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK, WHETHER EXPLICITLY SHOWN 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 1/28-M200:**

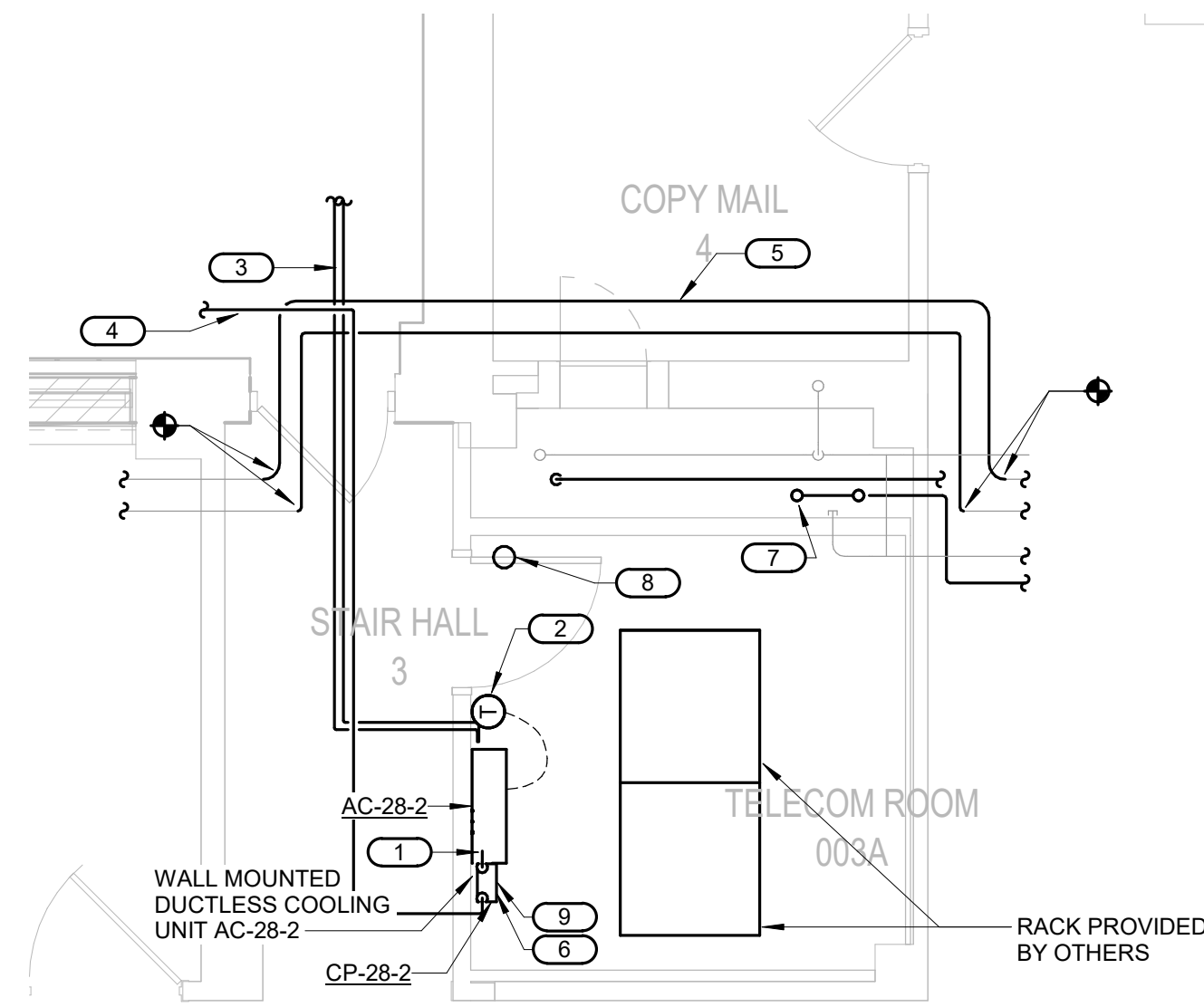
1. PROVIDE NEW WALL-MOUNTED SPLIT SYSTEM AC UNIT.
2. PROVIDE NEW THERMOSTAT.
3. ROUTE NEW REFRIGERANT PIPING NORTH TO NEW AIR-COOLED CONDENSING UNIT LOCATED ON EXTERIOR PATIO. SEE 1/28-M201.
4. ROUTE 1" PUMPED CONDENSATE PIPING TO FLOOR DRAIN IN FMS LOCATED APPROXIMATELY 80 FEET WEST AND 50 FEET NORTH. FIELD VERIFY ROUTING.
5. REROUTE AND RECONNECT EXISTING 3" STEAM AND 1" CONDENSATE RETURN PIPING. FIELD VERIFY REQUIREMENTS.
6. PROVIDE NEW CONDENSATE PUMP.
7. REPLICATE EXISTING SAFE WASTE AND EXTEND DRAIN LINES AS NEEDED. FIELD VERIFY REQUIREMENTS.
8. RE-PIPE EXISTING FLOOR CLEANOUT FOR FINISHED FLOOR APPLICATION WITH FLOOR PLATE.
9. PAN CONDENSATE PUMP AND PIPING ASSEMBLY WITHIN TELECOM ROOM 003A. FIELD VERIFY REQUIREMENTS.

**KEYNOTES 2/28-M200:**

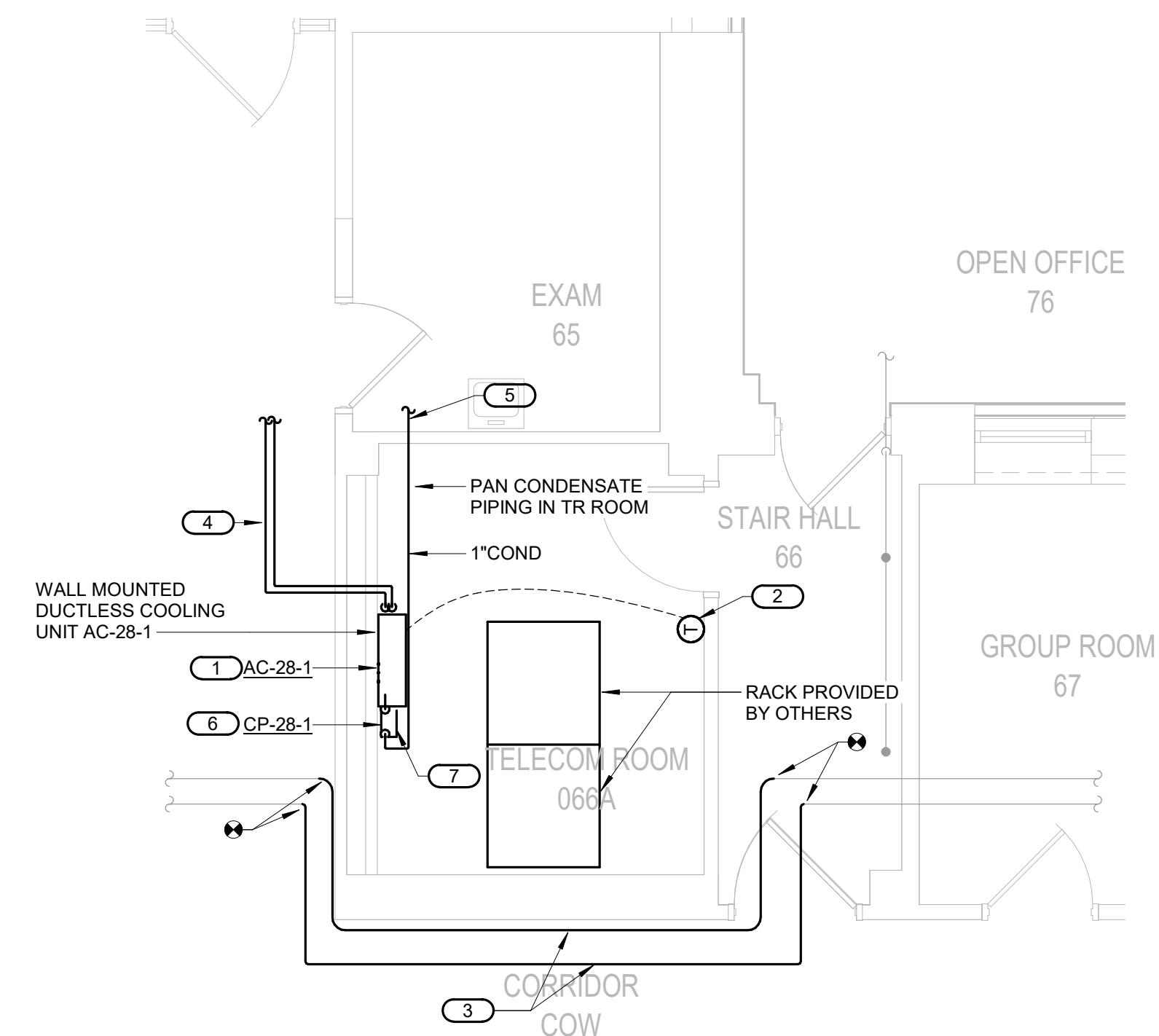
1. PROVIDE NEW WALL-MOUNTED SPLIT SYSTEM AC UNIT.
2. PROVIDE NEW THERMOSTAT.
3. RE-ROUTE AND RECONNECT EXISTING STEAM AND CONDENSATE PIPING. FIELD VERIFY REQUIREMENTS.
4. ROUTE NEW REFRIGERANT PIPING NORTH TO NEW AIR-COOLED CONDENSING UNIT LOCATED ON EXTERIOR PATIO. SEE 1/28-M201.
5. ROUTE 1" PUMPED CONDENSATE PIPING TO FLOOR DRAIN IN FMS LOCATED APPROXIMATELY 85 FEET EAST AND 50 FEET NORTH. FIELD VERIFY ROUTING.
6. PROVIDE NEW CONDENSATE PUMP.
7. PAN CONDENSATE PUMP AND PIPING ASSEMBLY WITHIN TELECOM ROOM 066A. FIELD VERIFY REQUIREMENTS.



**3 PHOTOS**  
NO SCALE



**1 BASEMENT FLOOR - MECHANICAL - TELECOM 003A**  
1/4" = 1'-0"



**2 BASEMENT FLOOR - MECHANICAL - TELECOM 066A**  
1/4" = 1'-0"

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100% CD	03/30
REVISION	DATE

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**SES SPECIALIZED ENGINEERING SOLUTIONS**

10160 Illinois Circle  
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**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

**STAM**

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

Name: [Signature]  
Date: 03/30/2022  
License Number: MN# [Signature]

**DRAWING TITLE**

**BASEMENT REMODEL - MECHANICAL**

<b>PROJECT FILE</b>	<b>DATE</b>
<b>EHRM INFRASTRUCTURE UPGRADES</b>	03/30/2022
<b>PROJECT NO.</b>	<b>PLOT SCALE</b>
656-21-235	
<b>BUILDING No.</b>	<b>CHECKED BY</b>
28	RDL
<b>DRAWN BY</b>	<b>DRAWING No.</b>
DJC	28-M200
<b>LOCATION</b>	<b>FULLY SPRINKLERED</b>
VA MEDICAL CENTER ST. CLOUD, MN 56303	DWG. OF

**VA**

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

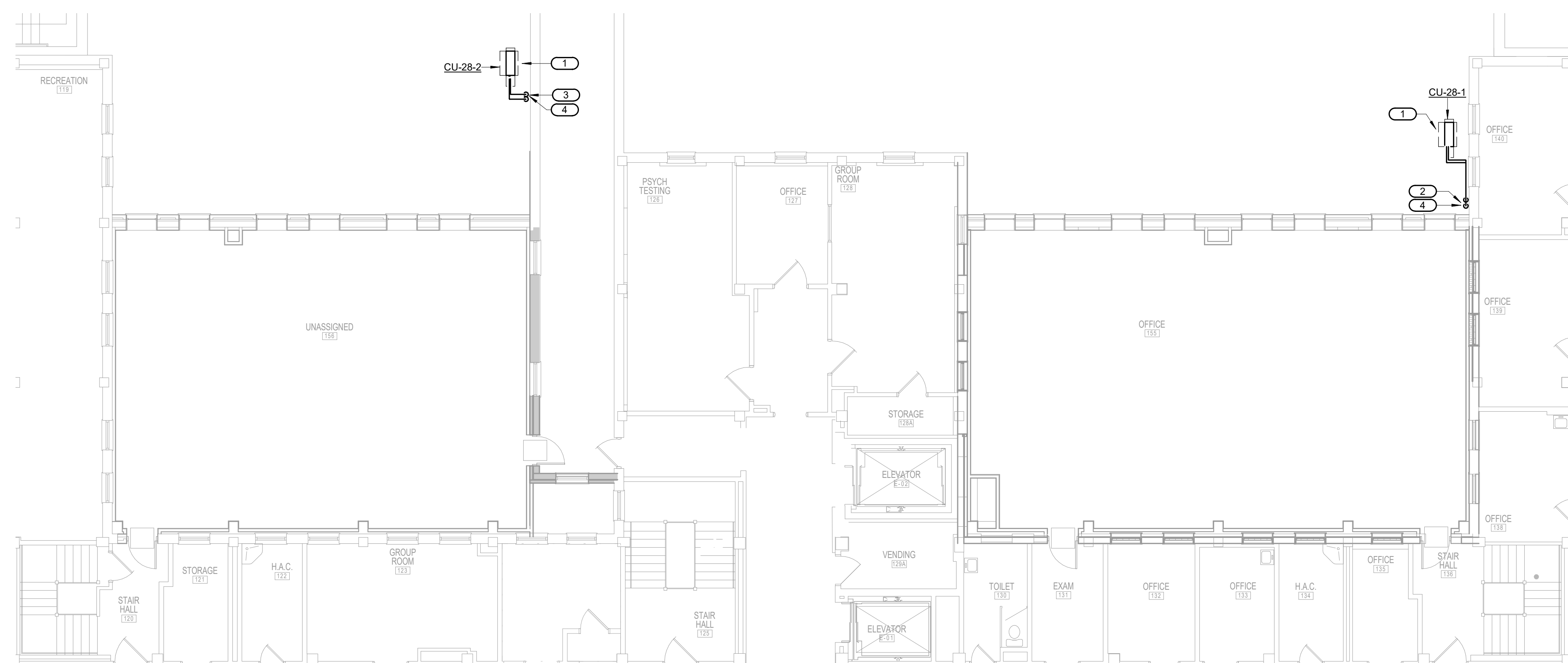
Veterans Health Administration  
St. Cloud VA Health Care System

**FIELD VERIFICATION NOTES**

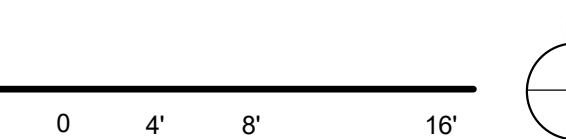
1. THE HVAC CONTRACTOR SHOULD VISIT **PRIOR TO BID**, TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED:
  - A. EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK, WHETHER EXPLICITLY SHOWN 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 1/28-M201:**

1. PROVIDE NEW AIR-COOLED CONDENSING UNIT. PROVIDE CONCRETE PAD. REFER TO REFRIGERANT PIPING DETAIL, 10-GM400 AND PAD MOUNTING DETAIL, 30-GM401 AND TO TELECOM 006A FOR AC-28-1.
2. ROUTE NEW REFRIGERANT PIPING DOWN TO BASEMENT LEVEL AND TO TELECOM 006A FOR AC-28-1.
3. ROUTE NEW REFRIGERANT PIPING DOWN TO BASEMENT LEVEL AND TO TELECOM 003A FOR AC-28-2.
4. SEAL PIPE PENETRATIONS WATER TIGHT. FIELD VERIFY REQUIREMENTS. REFER TO 50-GM401 FOR ROOF/PATIO PENETRATION SEALING DETAIL.



**1 FIRST FLOOR - MECHANICAL - CONDENSING UNITS**  
1/8" = 1'-0"



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100% CD	03/30
No	DATE

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**STAM**

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

Name: grace piper  
Date: 03/30/2022  
License Number: MNE

**DRAWING TITLE**

**FIRST FLOOR REMODEL - MECHANICAL**

PROJECT FILE	DATE
<b>EHRM INFRASTRUCTURE UPGRADES</b>	03/30/2022
BUILDING No	CHECKED BY
28	RDL
DRAWN BY	DWG. NO.
DJC	28-M201
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