

BUILDING 50 - EHRM INFRASTRUCTURE UPGRADES

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

OWNER AND CONSULTANTS:

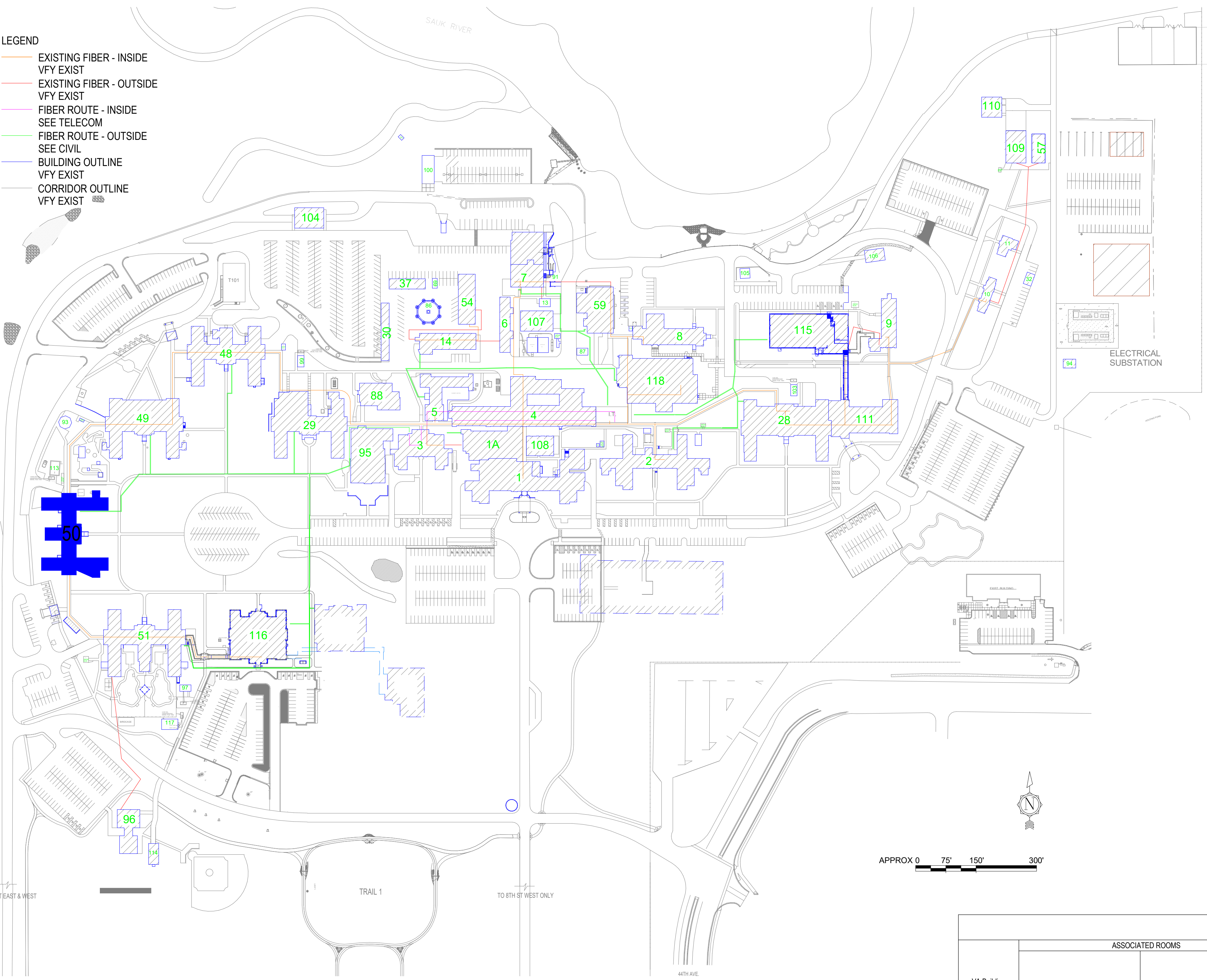
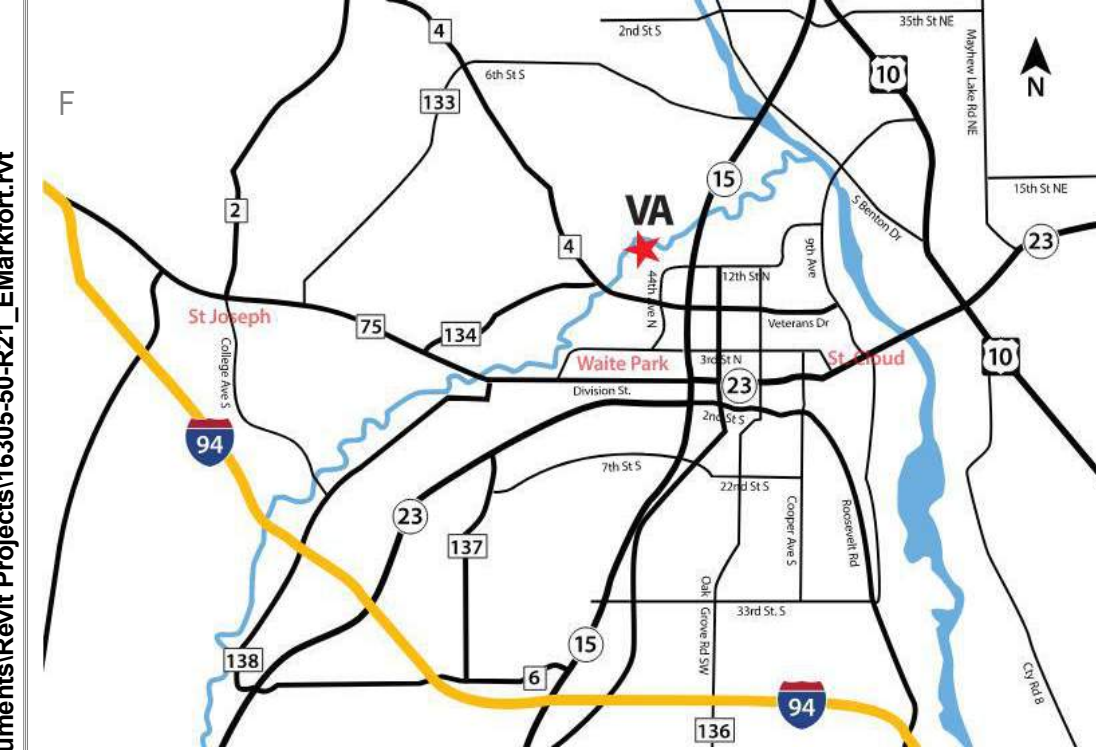
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ST. CLOUD, MN 56303
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STRUCTURAL ENGINEER:
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TELECOMMUNICATIONS ENGINEER:
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OMAHA, NE 68134
CONTACT: KRIS BURNHAM
PHONE: 402-991-5520

MECHANICAL/ELECTRICAL/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 50	
SHEET NO.	SHEET TITLE
50-G000	BUILDING 50 COVER SHEET & SHEET INDEX
50-G101	BASEMENT FLOOR - INFECTION CONTROL & PHASING PLAN
50-HA-1A	REFERENCE - CRAWLSPACE FLOOR ASBESTOS RE-SURVEY
50-HA-2A	REFERENCE - BASEMENT FLOOR ASBESTOS RE-SURVEY
50-HA-3A	REFERENCE - FIRST FLOOR ASBESTOS RE-SURVEY
50-HA-4A	REFERENCE - SECOND FLOOR ASBESTOS RE-SURVEY
50-HA-5A	REFERENCE - ATTIC FLOOR ASBESTOS RE-SURVEY
50-AS100	BASEMENT PLANS
50-AS110	FIRST FLOOR - OVERALL PLAN
50-AS120	SECOND FLOOR - OVERALL PLAN
50-TD100	BASEMENT FLOOR PLAN - TELECOM - DEMOLITION
50-TD110	FIRST FLOOR PLAN - TELECOM - DEMOLITION
50-TD120	SECOND FLOOR PLAN - TELECOM - DEMOLITION
50-TN100	BASEMENT FLOOR PLAN - TELECOMMUNICATIONS
50-TN110	FIRST FLOOR PLAN - TELECOMMUNICATIONS
50-TN120	SECOND FLOOR PLAN - TELECOMMUNICATIONS
50-TN200	BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE
50-TN300	ENLARGED PLANS - TELECOMMUNICATIONS - DEMO
50-TN400	ENLARGED PLANS - TELECOMMUNICATIONS - DEMO
50-E100	BASEMENT FLOOR PLAN - ELECTRICAL
50-E101	FIRST FLOOR PLAN - ELECTRICAL
50-E300	ENLARGED PLANS - ELECTRICAL
50-E500	ELECTRICAL POWER DIAGRAMS
50-E600	ELECTRICAL SCHEDULES
50-M100	BASEMENT DEMOLITION PLAN - MECHANICAL
50-M200	BASEMENT FLOOR PLAN - 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)
BASEMENT														
020	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	138 SF	10.3
023C	EXIST RM												40 SF	6.1
FIRST FLOOR														
103A	EXIST RM												41 SF	11.1
REMARKS														
CONSTRUCT TO EHRM TELECOM ROOM STANDARDS. SEE TELECOM DRAWINGS														
DECOMMISSION EXIST IT/DATA ROOM. SEE TELECOM DRAWINGS RELOCATE FUNCTIONS TO ROOM 020														

HAZARDOUS MATERIAL SCHEDULE				
LEVEL	ROOM NO.	ROOM NAME	QUESTIONABLE HAZARDOUS ELEMENT	POSSIBLE ABATEMENT ACTION
BASEMENT	020	TELECOM ROOM	ASBESTOS CONTAINING FIRE DOOR. SEE 50-HA-2A	REMOVE HAZARDOUS MATERIAL UNDER FULL CONTAINMENT
BASEMENT	023C	EXIST RM	NONE. SEE 50-HA-2A	NONE. ACM TO REMAIN UNDISTURBED
FIRST FLOOR	103A	EXIST RM	NONE. SEE 50-HA-3A	NONE. ACM TO REMAIN UNDISTURBED
HAZARDOUS MATERIALS MAY BE ENCOUNTERED THROUGHOUT THE DISTRIBUTION ROUTING THROUGH CEILING PLENUMS AND UTILITY TUNNELS. INSTALLATION OF DISTRIBUTION SHALL NOT DISTURB QUESTIONABLE HAZARDOUS MATERIAL.				

ICRA PHASE CONSTRUCTION ROOM SCHEDULE									
LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS	SECTION	CONSTRUCTION ZONE / OCCUPIED CONSTR	DAY / NIGHT
BASEMENT	020	TELECOM ROOM	EXTENDED CARE	TYPE C	GROUP 1	CLASS I	WEST	ZONE 50	DAY
BASEMENT	023C	EXIST RM	EXTENDED CARE	TYPE B	GROUP 1	CLASS II	WEST	OCCUPIED CONSTRUCTION	DAY
FIRST FLOOR	103A	EXIST RM	EXTENDED CARE	TYPE B	GROUP 3	CLASS II	WEST	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
BASEMENT	020	TELECOM ROOM	YES
BASEMENT	023C	EXIST RM	
FIRST FLOOR	103A	EXIST RM	
SEE GENERAL NOTES SHEET FOR DETAIL. MWP = MEMBRANE WATERPROOFING. MASONRY = FLUID-APPLIED WATERPROOFING. INT = INTERIOR. EXT = EXTERIOR			

OPENING SCHEDULE														
ASSOCIATED ROOMS			OPENING		PANEL INFORMATION			FRAME INFORMATION			NEW GROUP			
FROM ROOM NAME	TO ROOM NAME	TELECOM ROOM	NUMBER	WIDTH	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING	FRAME LABEL (MIN)	NEW GROUP	GASKET	ELECTRICAL	COMMENTS
50			020	3'-0"	7'-0"	WD-F	NONE	HMS-T	NONE	HW-3.2B	45	Y	Y	

NO.	REVISION	DATE

CONSULTANT



SPECIALIZED ENGINEERING SOLUTIONS
10360 Ellison Circle
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Phone: 402.991.5520
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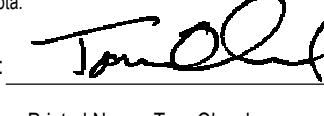
ARCHITECT/ENGINEER OF RECORD



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Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

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

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

APPROVED: _____ DATE: _____	APPROVED: _____ DATE: _____	APPROVED: _____ DATE: _____	APPROVED: _____ DATE: _____	APPROVED: _____ DATE: _____	APPROVED: _____ DATE: _____
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DRAWING TITLE
BUILDING 50 COVER SHEET & SHEET INDEX

DRAWING NO.
50

CHECKED BY
EM

DRAWN BY
EM

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

DATE
03/30/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

DRAWING NO.
50-G1000

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

DATE
03/30/2022

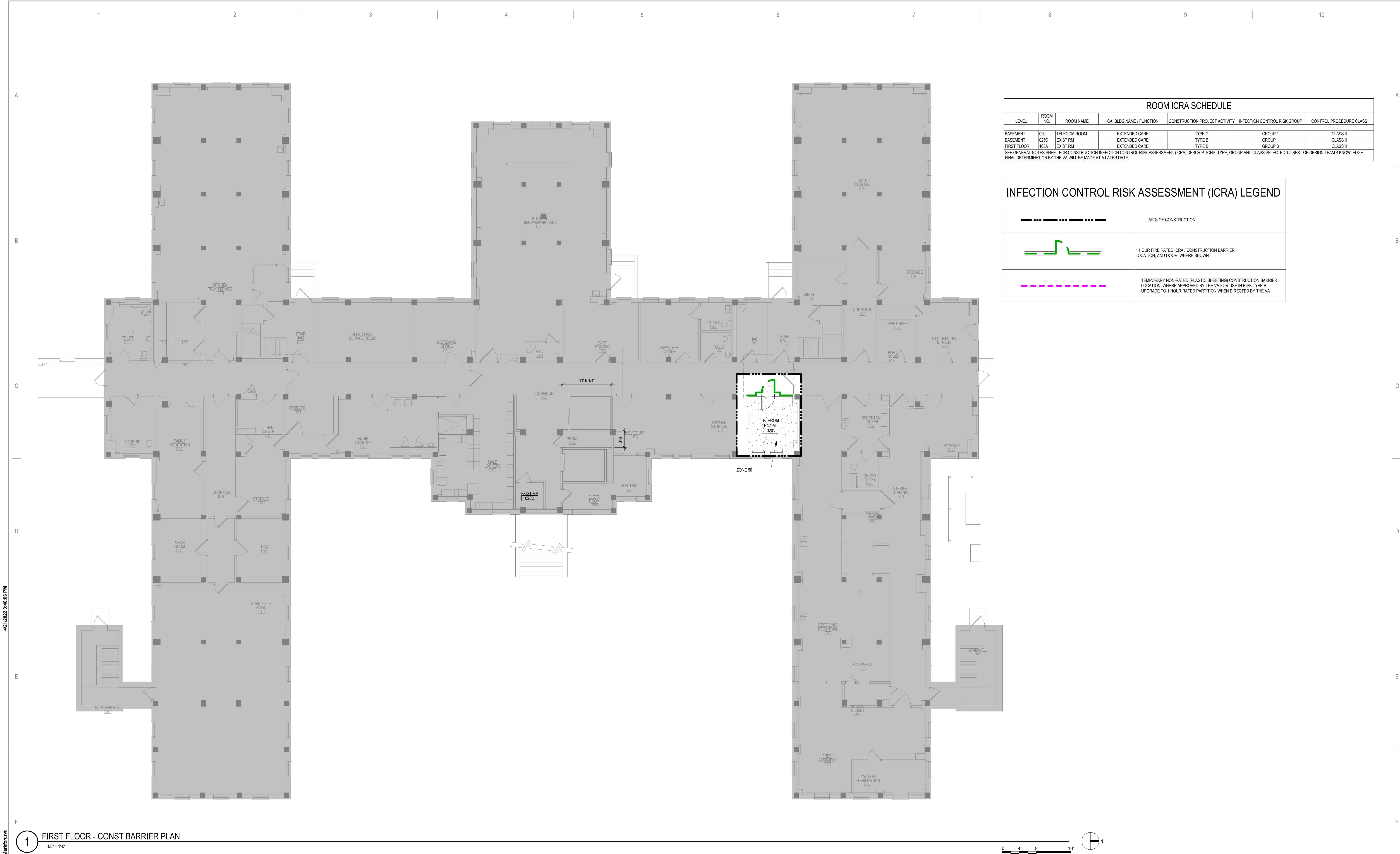
PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

DRAWING NO.
50-G1000



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



ROOM ICRA SCHEDULE						
LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS
BASEMENT	020	TELECOM ROOM	EXTENDED CARE	TYPE C	GROUP 1	CLASS II
BASEMENT	023C	EXIST RM	EXTENDED CARE	TYPE B	GROUP 1	CLASS II
FIRST FLOOR	103A	EXIST RM	EXTENDED CARE	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 TEAMS KNOWLEDGE. FINAL DETERMINATION BY THE VA WILL BE MADE AT A LATER DATE.

INFECTION CONTROL RISK ASSESSMENT (ICRA) LEGEND

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

1 FIRST FLOOR - CONST BARRIER PLAN

No	REVISION	DATE

CONSULTANT

AST **SES** **SPECIALIZED ENGINEERING SOLUTIONS**

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Name: *Tom Olesak*

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

DRAWING TITLE

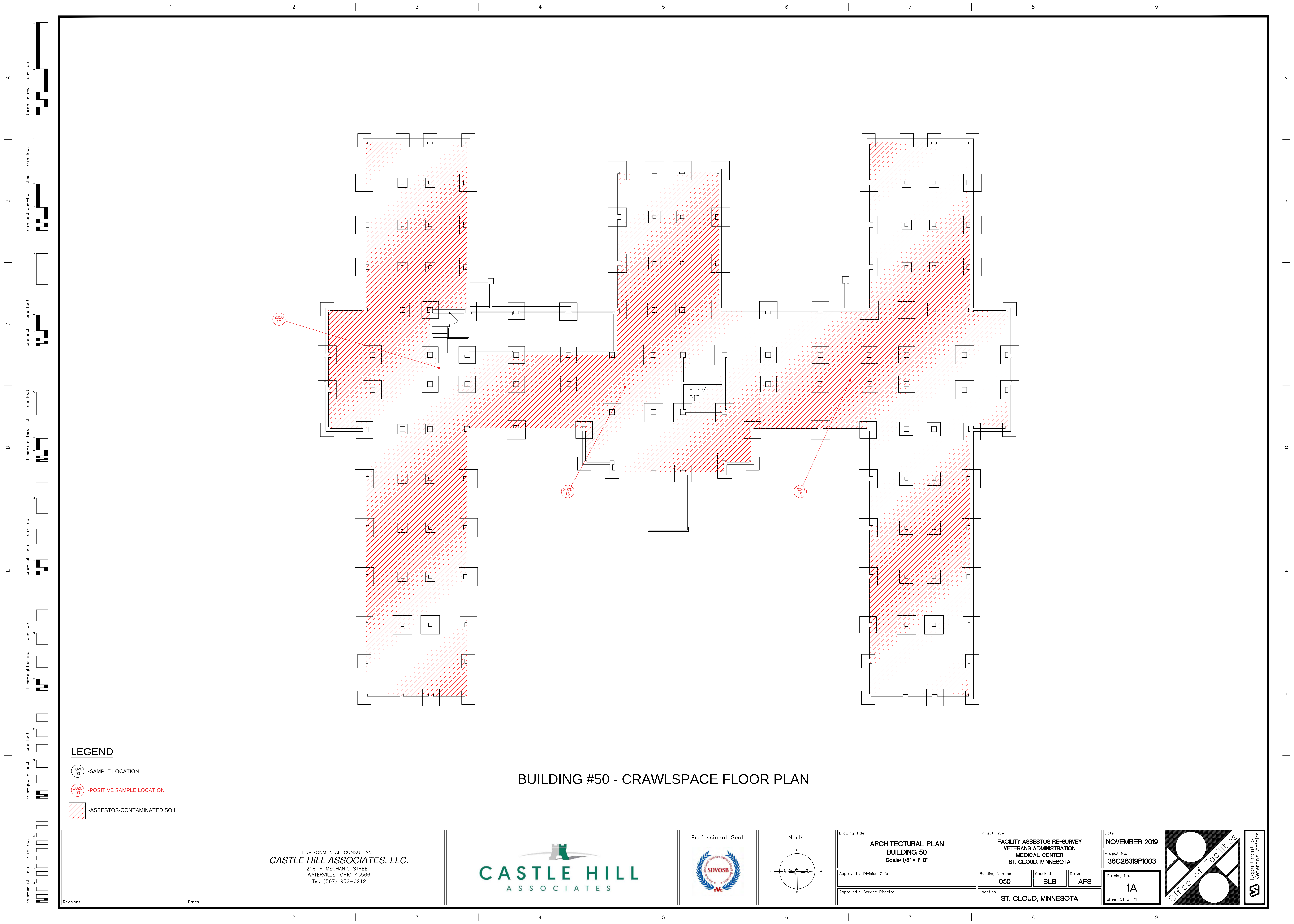
BASEMENT FLOOR - INFECTION CONTROL & PHASING PLAN

PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
BUILDING NO.	PLOT SCALE
50	656-21-235
CHECKED BY	DRAWN
EM	BMW
LOCATION	DWG. OF
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

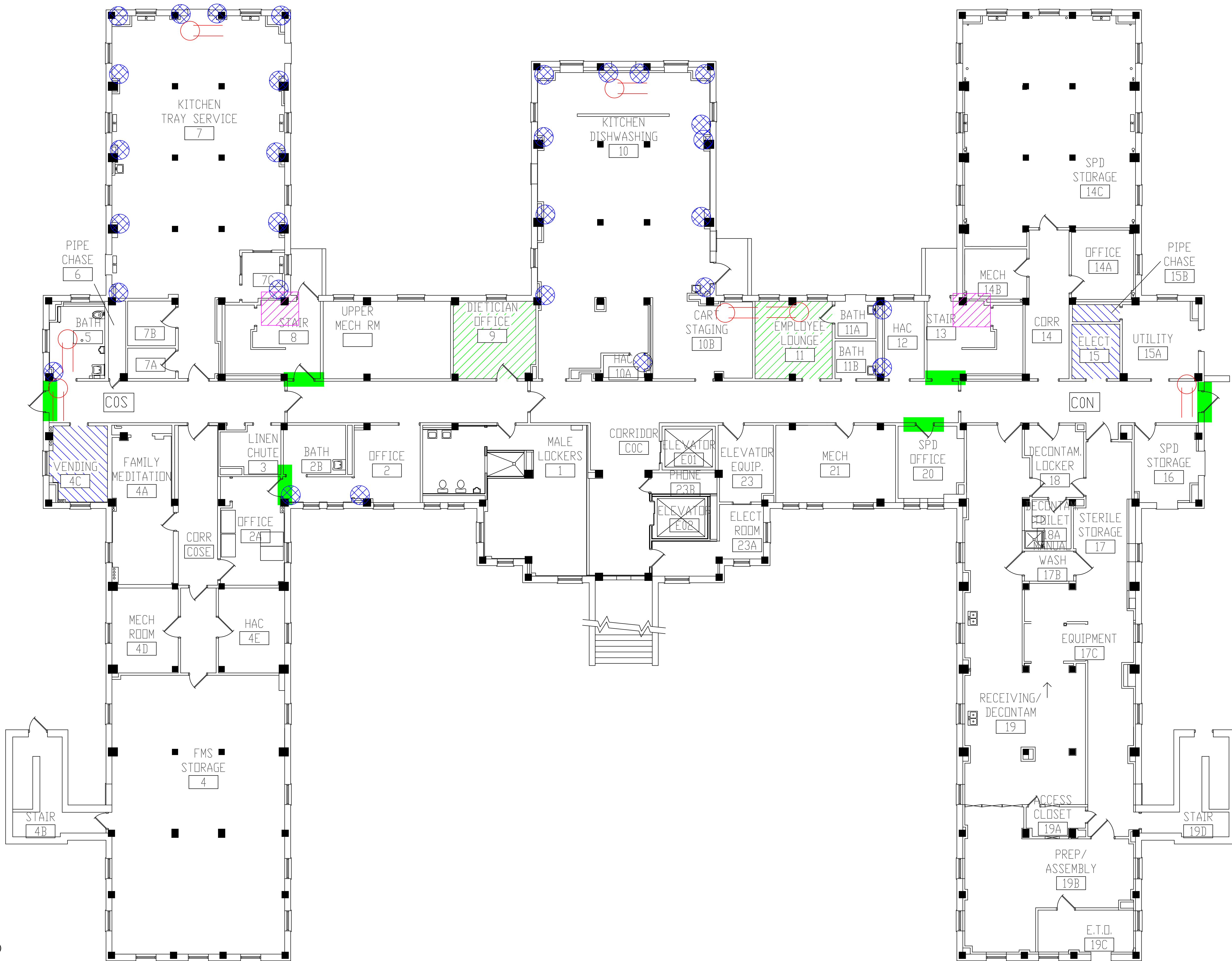


LEGEND

- SAMPLE LOCATION
- POSITIVE SAMPLE LOCATION
- ASBESTOS-CONTAMINATED SOIL

BUILDING #50 - CRAWLSPACE FLOOR PLAN

Revisions Dates	ENVIRONMENTAL CONSULTANT: CASTLE HILL ASSOCIATES, LLC. 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212	CASTLE HILL ASSOCIATES	Professional Seal: 	North: 	Drawing Title ARCHITECTURAL PLAN BUILDING 50 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 050 Location ST. CLOUD, MINNESOTA	Checked BLB Drawn AFS	Date NOVEMBER 2019 Project No. 36C26319P1003 Drawing No. 1A Sheet 51 of 71	Department of Veterans Affairs



LEGEND

- ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
- ASBESTOS-CONTAINING FIRE DOOR
- ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET
- ASBESTOS-CONTAINING 12"X12" FLOOR TILE AND MASTIC
- ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR

BUILDING #50 - BASEMENT FLOOR PLAN

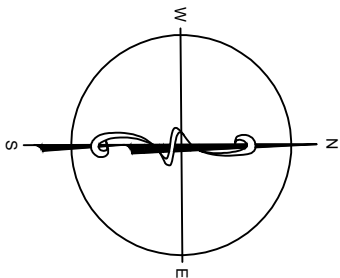
ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212



Professional Seal:



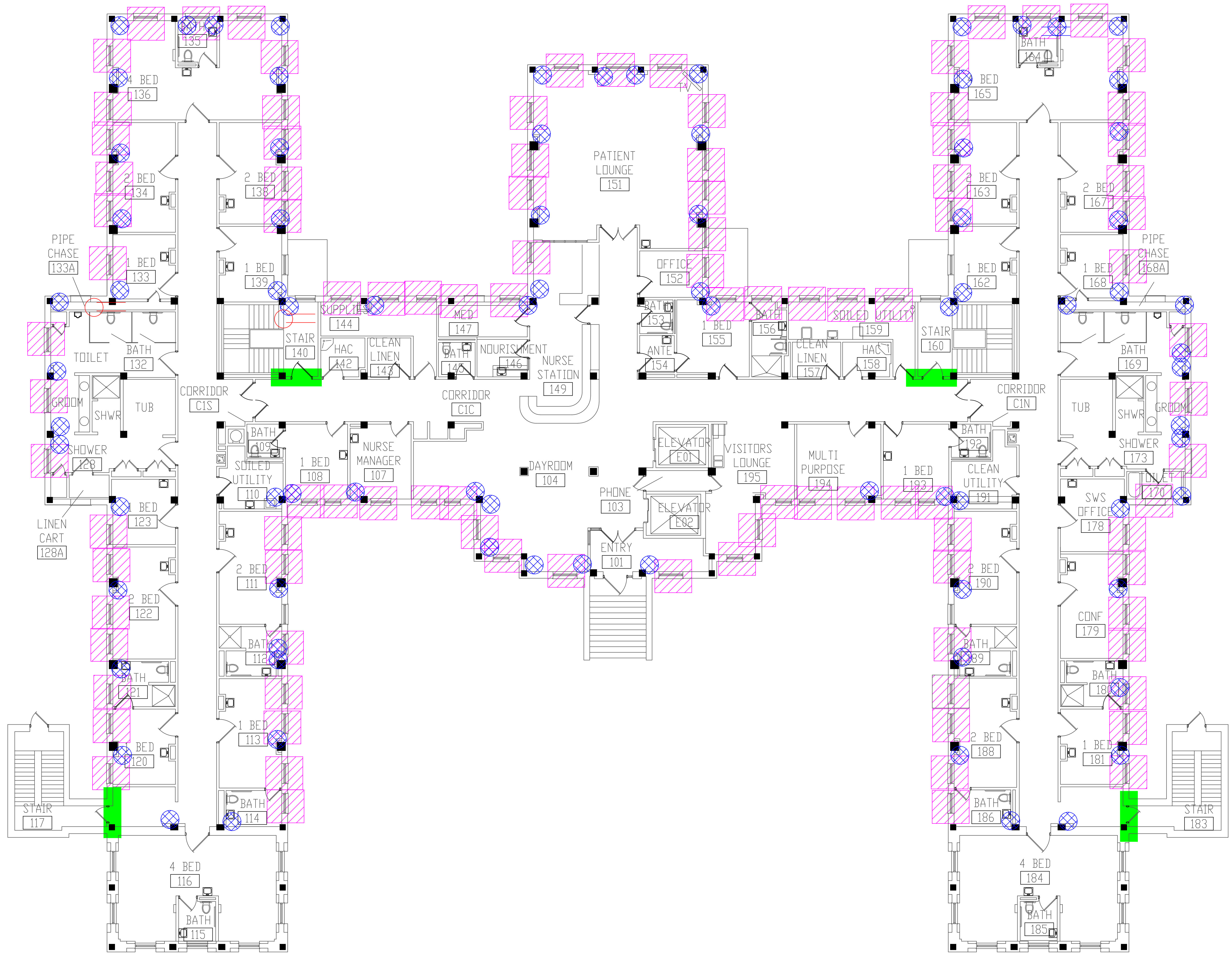
North:



Drawing Title ARCHITECTURAL PLAN BUILDING 50 Scale: 1/8" = 1'-0"	
Approved : Division Chief	
Approved : Service Director	

Project Title FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA			Date NOVEMBER 2019
Building Number 050	Checked BLB	Drawn AFS	Project No. 36C26319P1003
Location ST. CLOUD, MINNESOTA			Drawing No. 2A
			Sheet 52 of 71



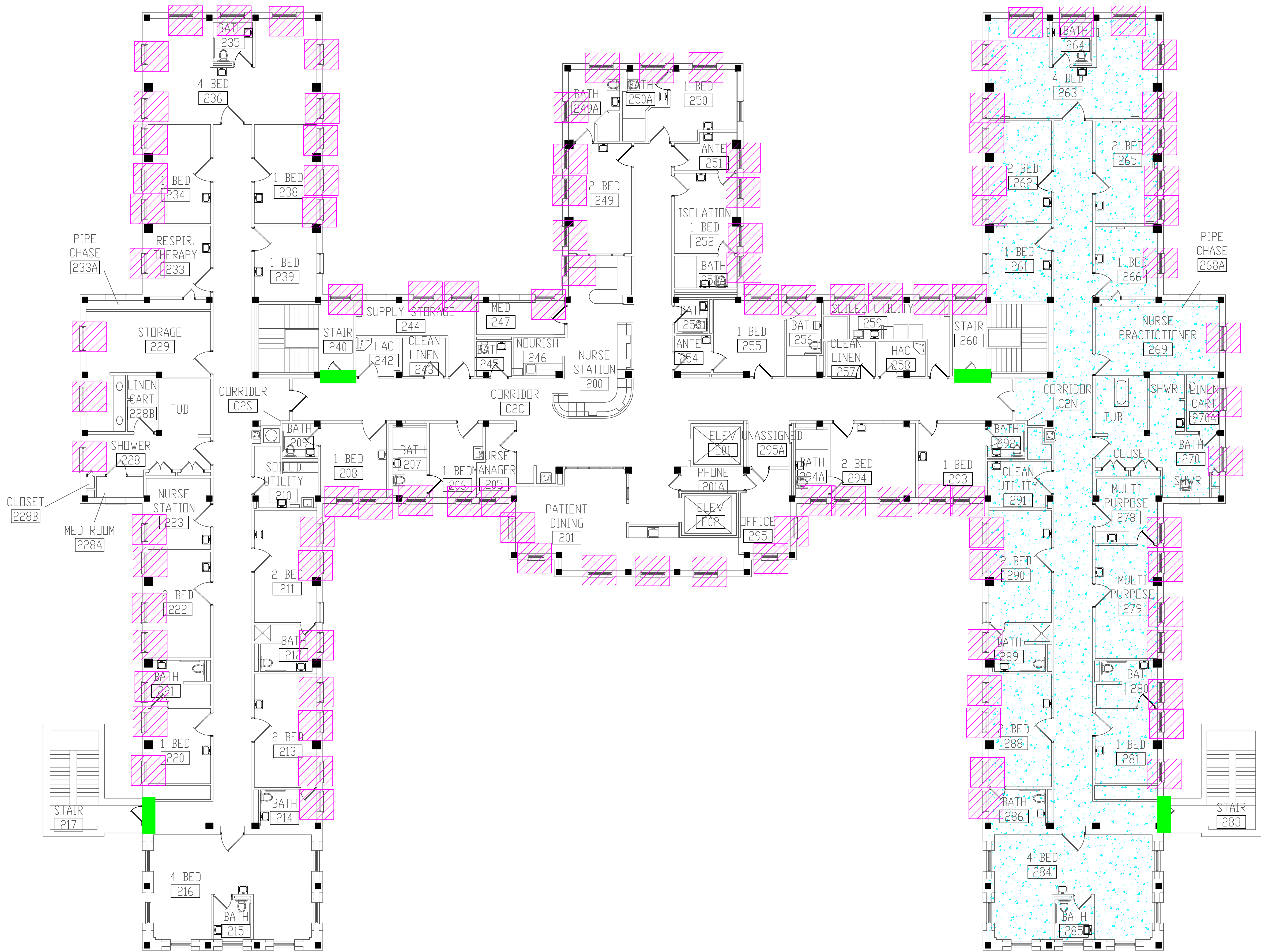


BUILDING #50 - FIRST FLOOR PLAN

- LEGEND**
- ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
 - ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
 - ASBESTOS-CONTAINING FIRE DOOR
 - ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR

Revisions	Dates	ENVIRONMENTAL CONSULTANT: CASTLE HILL ASSOCIATES, LLC. 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212		Professional Seal: 	North: 	Drawing Title ARCHITECTURAL PLAN BUILDING 50 Scale: 1/8" = 1'-0"	Project Title FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA	Date NOVEMBER 2019		Department of Veterans Affairs
						Approved: Division Chief	Building Number 050	Checked BLB		
						Approved: Service Director	Location ST. CLOUD, MINNESOTA		Sheet 53 of 71	

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120 126 132 138 144 150 156 162 168 174 180 186 192 198 204 210 216 222 228 234 240 246 252 258 264 270 276 282 288 294 300 306 312 318 324 330 336 342 348 354 360 366 372 378 384 390 396 402 408 414 420 426 432 438 444 450 456 462 468 474 480 486 492 498 504 510 516 522 528 534 540 546 552 558 564 570 576 582 588 594 600 606 612 618 624 630 636 642 648 654 660 666 672 678 684 690 696 702 708 714 720 726 732 738 744 750 756 762 768 774 780 786 792 798 804 810 816 822 828 834 840 846 852 858 864 870 876 882 888 894 900 906 912 918 924 930 936 942 948 954 960 966 972 978 984 990 996 1000

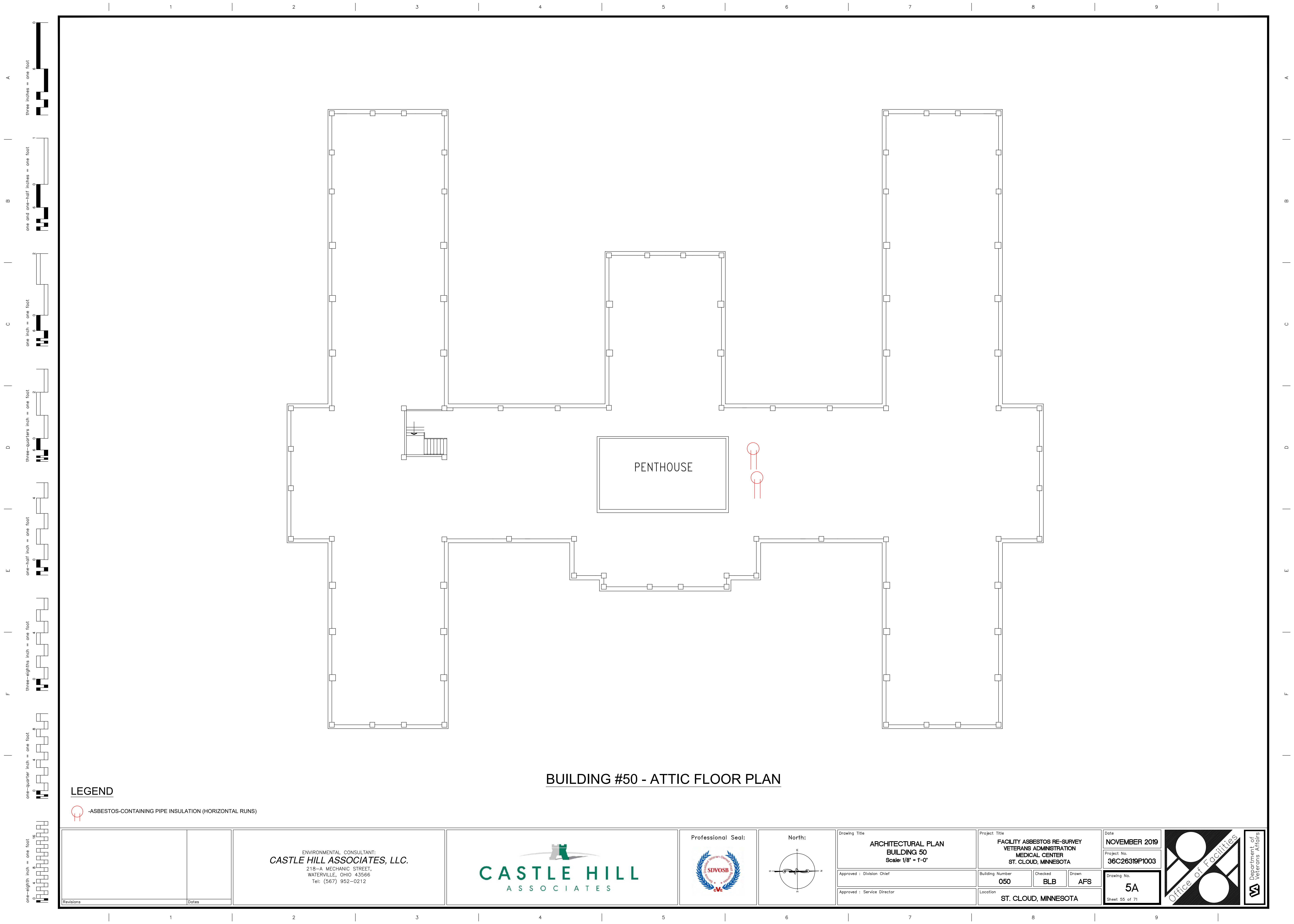


LEGEND

- ASBESTOS-CONTAINING FIRE DOOR
- ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR
- ASBESTOS-CONTAINING DUCT SEAM SEALANT

BUILDING #50 - SECOND FLOOR PLAN

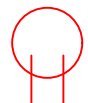
Revisions	Dates	ENVIRONMENTAL CONSULTANT: CASTLE HILL ASSOCIATES, LLC. 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212		Professional Seal: 	North: 	Drawing Title ARCHITECTURAL PLAN BUILDING 50 Scale: 1/8" = 1'-0"	Project Title FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA	Date NOVEMBER 2019		Department of Veterans Affairs
						Approved : Division Chief	Building Number 050	Checked BLB		
						Approved : Service Director	Location ST. CLOUD, MINNESOTA		Sheet 54 of 71	



PENTHOUSE

BUILDING #50 - ATTIC FLOOR PLAN

LEGEND

 -ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)

Revisions		Dates	

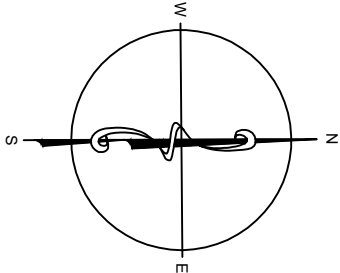
ENVIRONMENTAL CONSULTANT:
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WATERVILLE, OHIO 43566
Tel: (567) 952-0212



Professional Seal:



North:



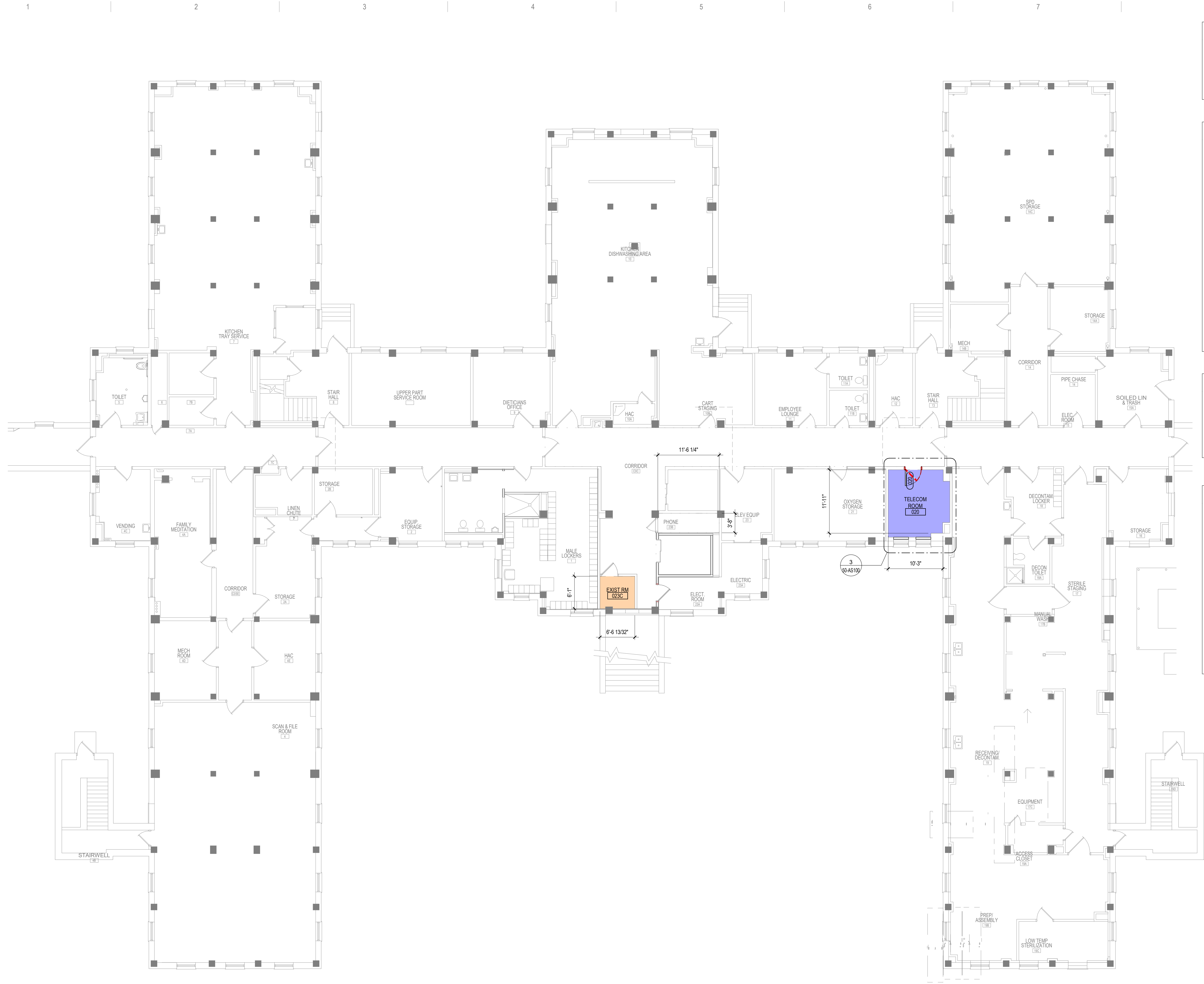
Drawing Title	
ARCHITECTURAL PLAN BUILDING 50 Scale: 1/8" = 1'-0"	
Approved : Division Chief	
Approved : Service Director	

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

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	5A
Sheet 55 of 71	



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

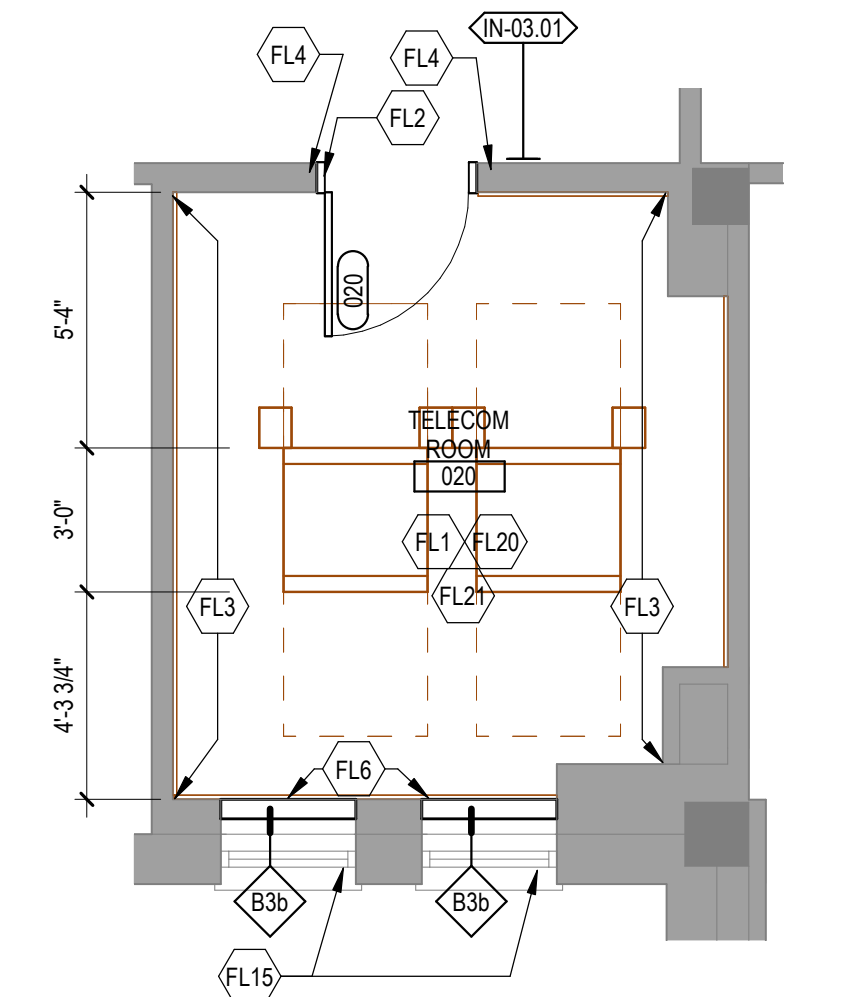
- ### DEMOLITION PLAN KEYED NOTES
- DE1 PREPARE WALL FOR PLYWOOD BACKBOARD INSTALLATION AND EHRM REQUIREMENTS. SEE FLOOR PLAN AND TELECOM DRAWINGS
- DE2 REMOVE AND SALVAGE DOOR AND PREPARE OPENING TO ACCOMMODATE PLAN. SEE FLOOR PLAN AND DOOR SCHEDULE
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

- ### 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.
- 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.
- FL4 PATCH TO MATCH FINISHES DISTURBED BY CONSTRUCTION TO MATCH EXISTING FLOOR AND WALL. CONTRACTOR TO PROVIDE LABOR AND MATERIAL.
- FL6 FINISH NEW PARTITIONS TO MATCH EXISTING PARTITIONS THIS AREA
- FL15 PROVIDE BLACK OUT FILM AT EXISTING WINDOW. NOTED WINDOW SIZE IS APPROXIMATE. PROVIDE METAL SECURITY SCREEN AT EXTERIOR WINDOW. INFILL INTERIOR OF WINDOW WITH METAL STUD PARTITION.
- FL20 TELECOM EQUIPMENT. SEE TELECOM DRAWINGS.
- FL21 OVERHEAD LEAK DIVERTER, SEE PLUMBING.
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

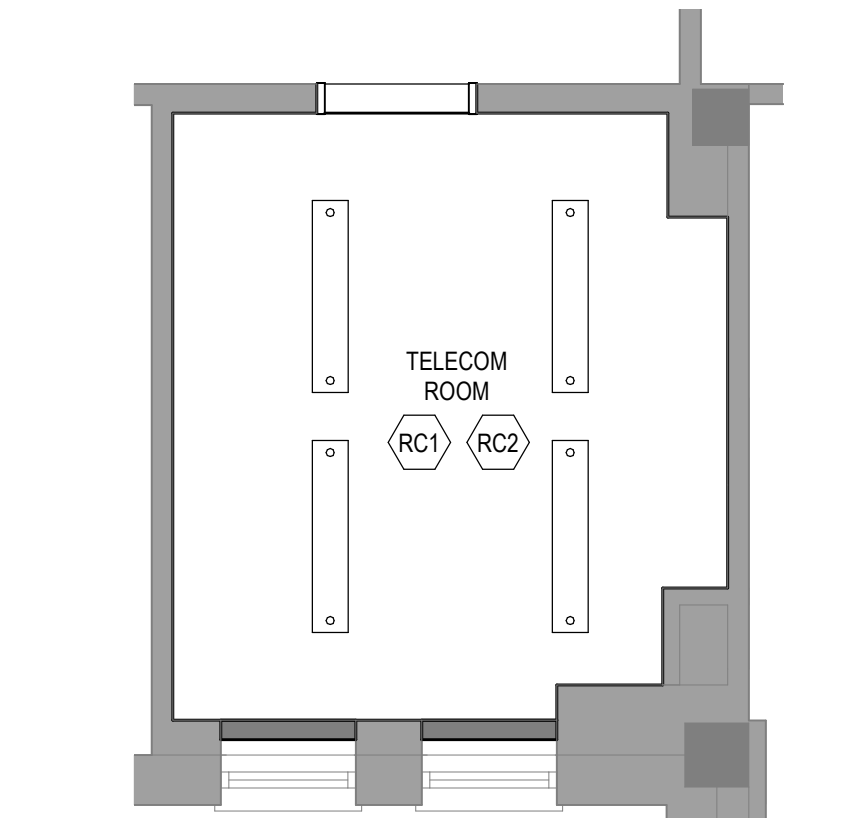
- ### REFLECTED CEILING PLAN KEYED NOTES
- RC1 LED LIGHTING, SEE ELECTRICAL. IN FRONT OF AND BEHIND CABINET ROWS PROVIDE 500 LUMENS IN HORIZONTAL AND 200 LUMENS IN THE VERTICAL AT 3 FT AFF. OPERATED BY MOTION SENSOR PER CABINET ROW OR SECTION.
- RC2 OPEN TO STRUCTURAL FLOOR ABOVE
- NOTE: NOT ALL KEYED 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.

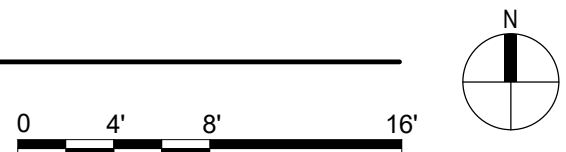
2 DEMOLITION PLAN
1/4" = 1'-0"



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



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



No.	REVISION	DATE

CONSULTANT

AST **SES** **SPECIALIZED ENGINEERING SOLUTIONS**

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ARCHITECT/ENGINEER OF RECORD

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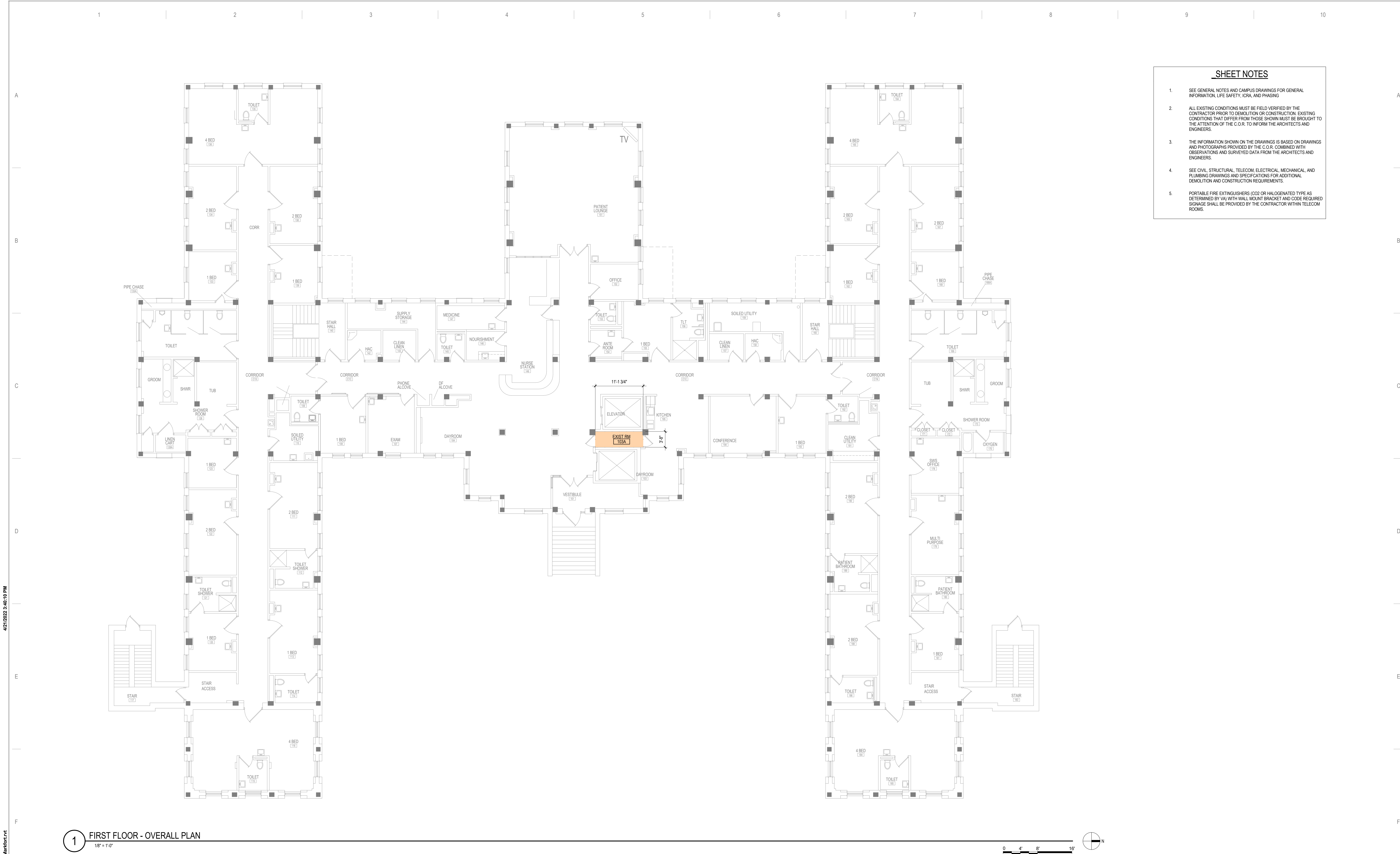
DRAWING TITLE
BASEMENT PLANS

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES	DATE 03/30/2022
BUILDING No. 50	PLOT SCALE
CHECKED BY EM	PROJECT NO. 656-21-235
DRAWN BY EM	DRAWING NO. 50-AS100
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	FULLY SPRINKLERED
DWG. OF	

VA

U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System



SHEET NOTES

- SEE GENERAL NOTES AND CAMPUS DRAWINGS FOR GENERAL INFORMATION, LIFE SAFETY, I/O, 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 VAI) WITH WALL MOUNT BRACKET AND CODE REQUIRED SIGNAGE SHALL BE PROVIDED BY THE CONTRACTOR WITHIN TELECOM ROOMS.

4/21/2022 3:40:10 PM

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No.	REVISION	DATE

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Anderson Engineering of Minnesota, LLC | **Proj # 16305**

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed 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 - OVERALL PLAN

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOT SCALE: 1/8" = 1'-0"
PROJECT NO: 656-21-235
DRAWING NO: 50-AS110

BUILDING NO: 50
CHECKED BY: EM
DRAWN BY: EM
FULLY SPRINKLERED

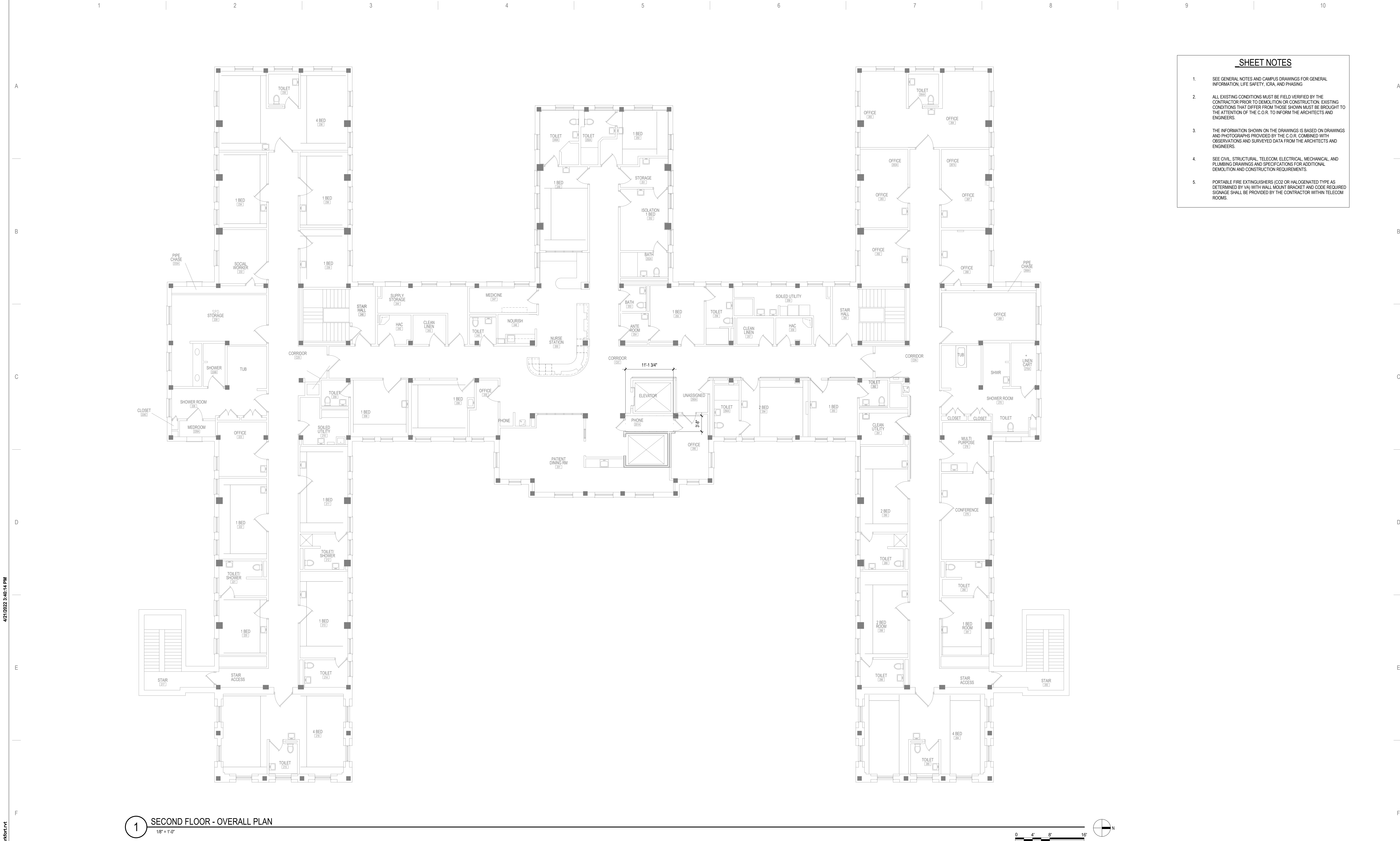
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303

DWG. OF

VA

U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System



SHEET NOTES

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Name: *Tom Olezak*

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

DRAWING TITLE
SECOND FLOOR - OVERALL PLAN

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES	DATE 03/30/2022
BUILDING NO. 50	PLOT SCALE
CHECKED BY EM	DRAWN BY EM
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	PROJECT NO. 656-21-235
FULLY SPRINKLERED	DRAWING NO. 50-AS120
DWG. OF	

VA

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



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.

STAMP

REGISTERED COMMUNICATIONS DISTRIBUTION

Bicsi

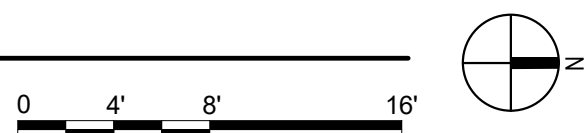
Nathan Timm

BICSi ID # 346555

EXPIRES 12-31-23

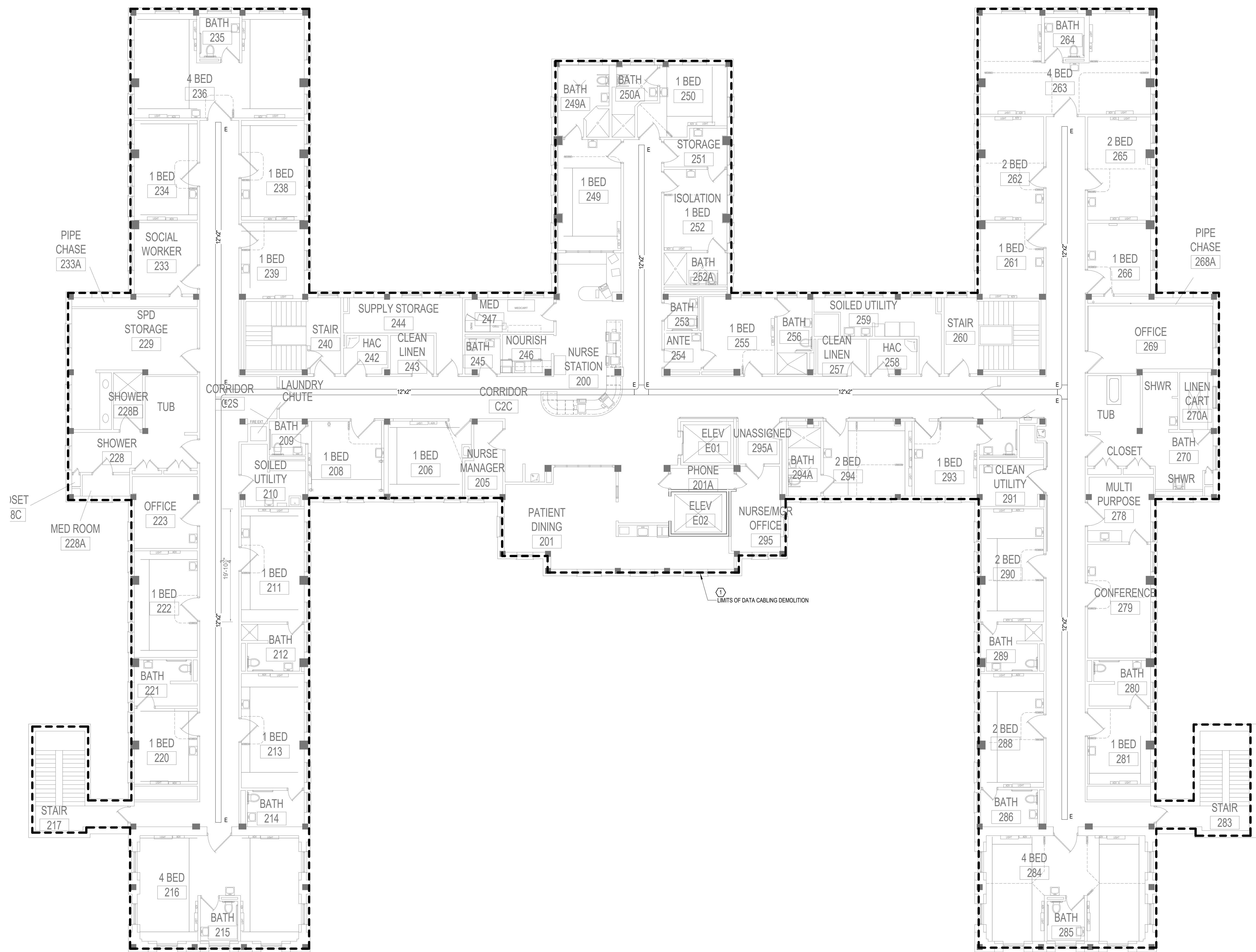
[Signature]

Nathan M. Timm



GENERAL NOTES:
A. REFER TO GENERAL DEMOLITION NOTES ON SHEET 1000 FOR ADDITIONAL DEMOLITION SCOPE.

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



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



BIM 360/21102.001 - VA St Cloud EHRM Infrastructure Upgrades/656-235 B60.T_R21.rvt 5/11/2022 4:45:38 PM

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BICSI ID # 346555
Expires 12-31-24
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DRAWING TITLE
SECOND FLOOR PLAN -
TELECOM - DEMOLITION

PROJECT FILE EHRM INFRASTRUCTURE UPGRADES	DATE 03/30/2022
BUILDING NO. 50	CHECKED BY KSB
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	DRAWING NO. 656-21-235
FULLY SPRINKLERED	DWG. OF 50-TD120



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

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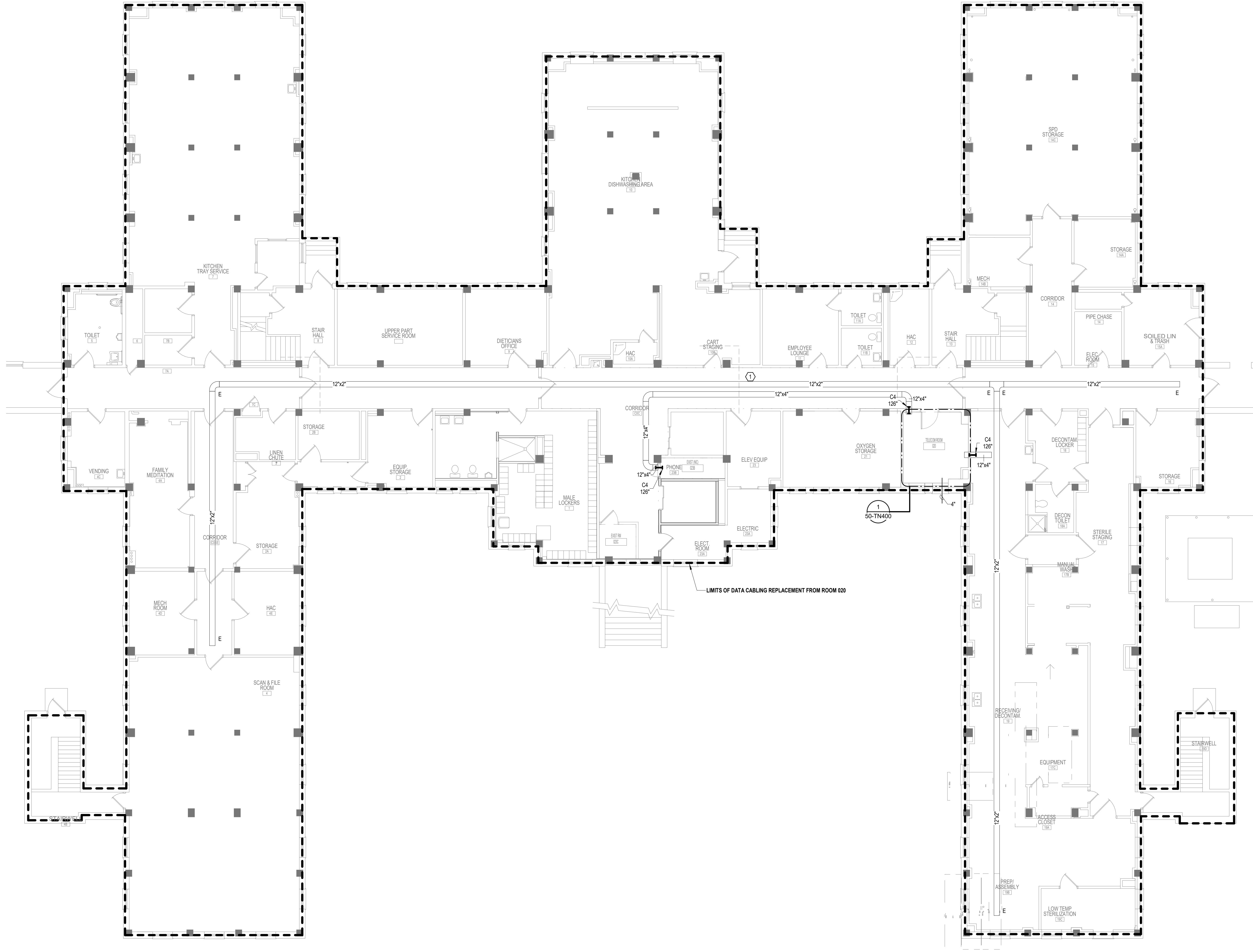
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GENERAL NOTES:

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

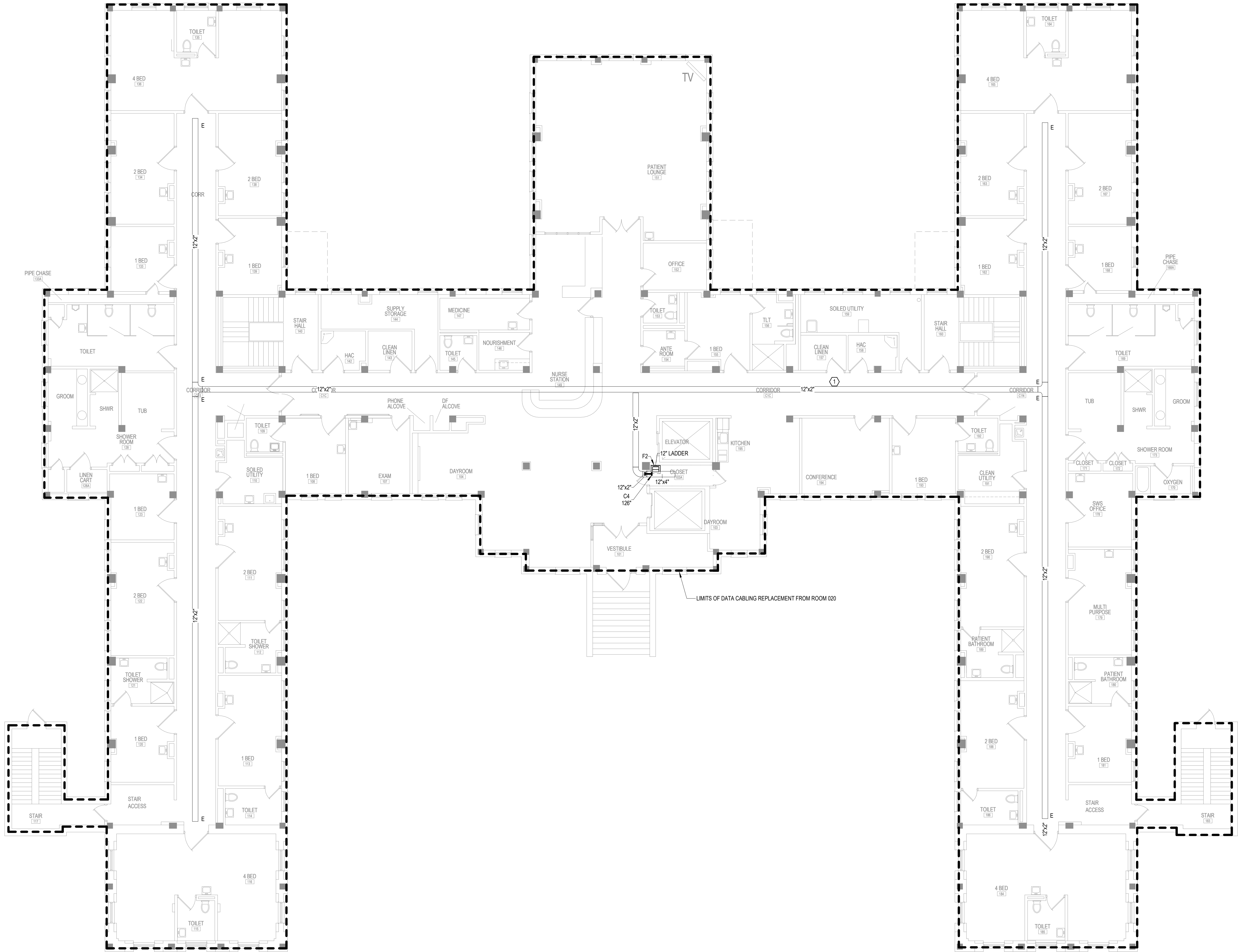
SHEET NOTES:

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.

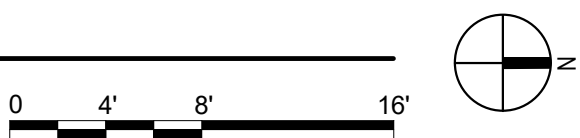


GENERAL NOTES:
A. REFER TO GENERAL NOTES ON SHEET T000 FOR ADDITIONAL SCOPE.

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



No	REVISION	DATE

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

DRAWING TITLE
FIRST FLOOR PLAN -
TELECOMMUNICATIONS

PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
BUILDING No	CHECKED BY
50	KSB
LOCATION	DRAWN
VA MEDICAL CENTER ST. CLOUD, MN 56303	SSK
FULLY SPRINKLERED	DRAWING NO.
DWG. OF	50-TN110



U.S. Department
of Veterans Affairs

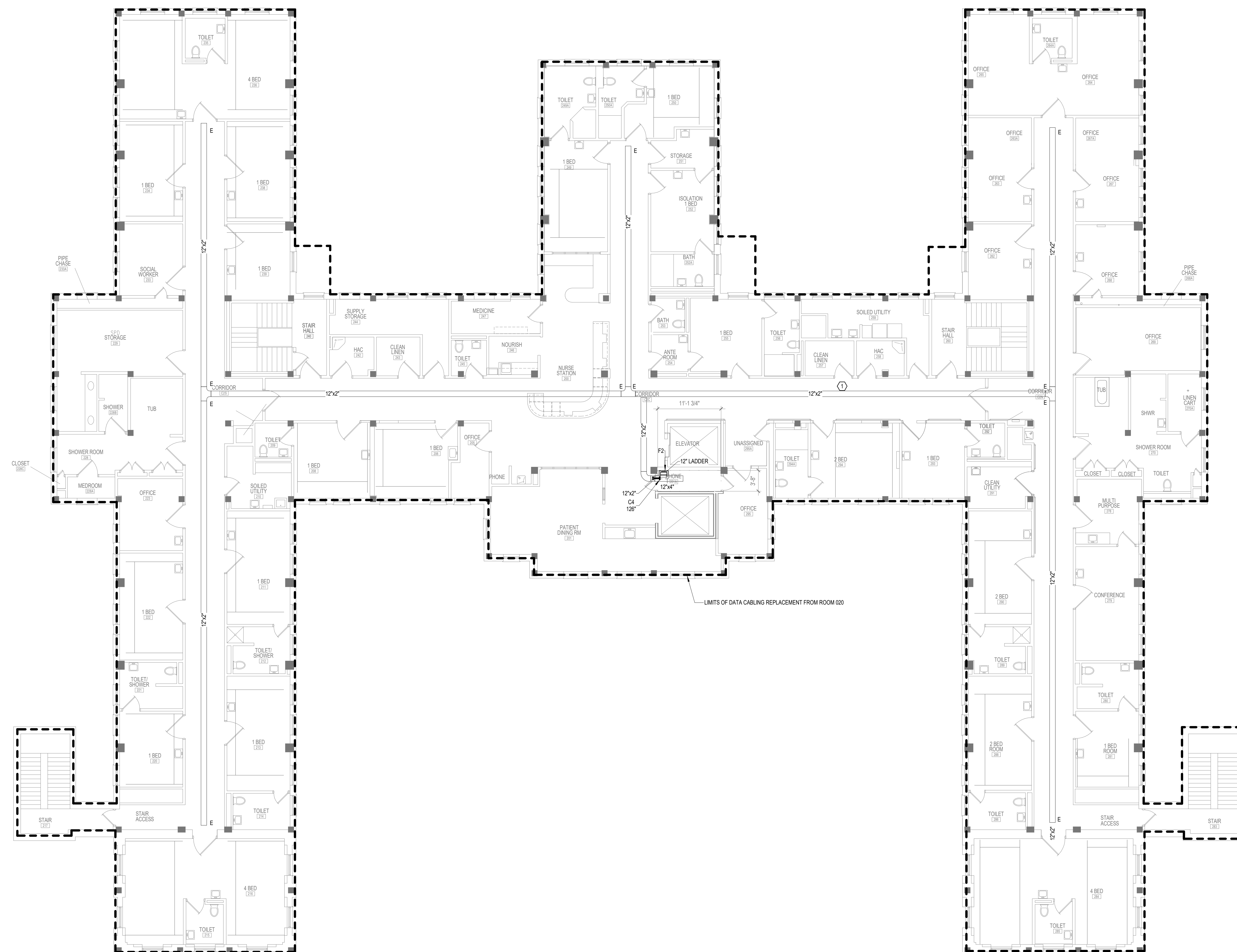
Veterans Health
Administration
St. Cloud VA
Health Care System

SHEET NOTES: 

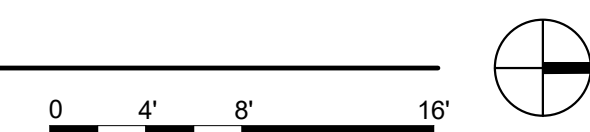
A. REFER TO GENERAL NOTES ON SHEET T000 FOR ADDITIONAL SCOPE.

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



No	REVISION	DATE

CONSULTANT

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Omaha, NE 68134

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Bicsi

Nathan Timm

BICSI ID # 346555

EXPIRES 12-31-23

Nathan M. Timm

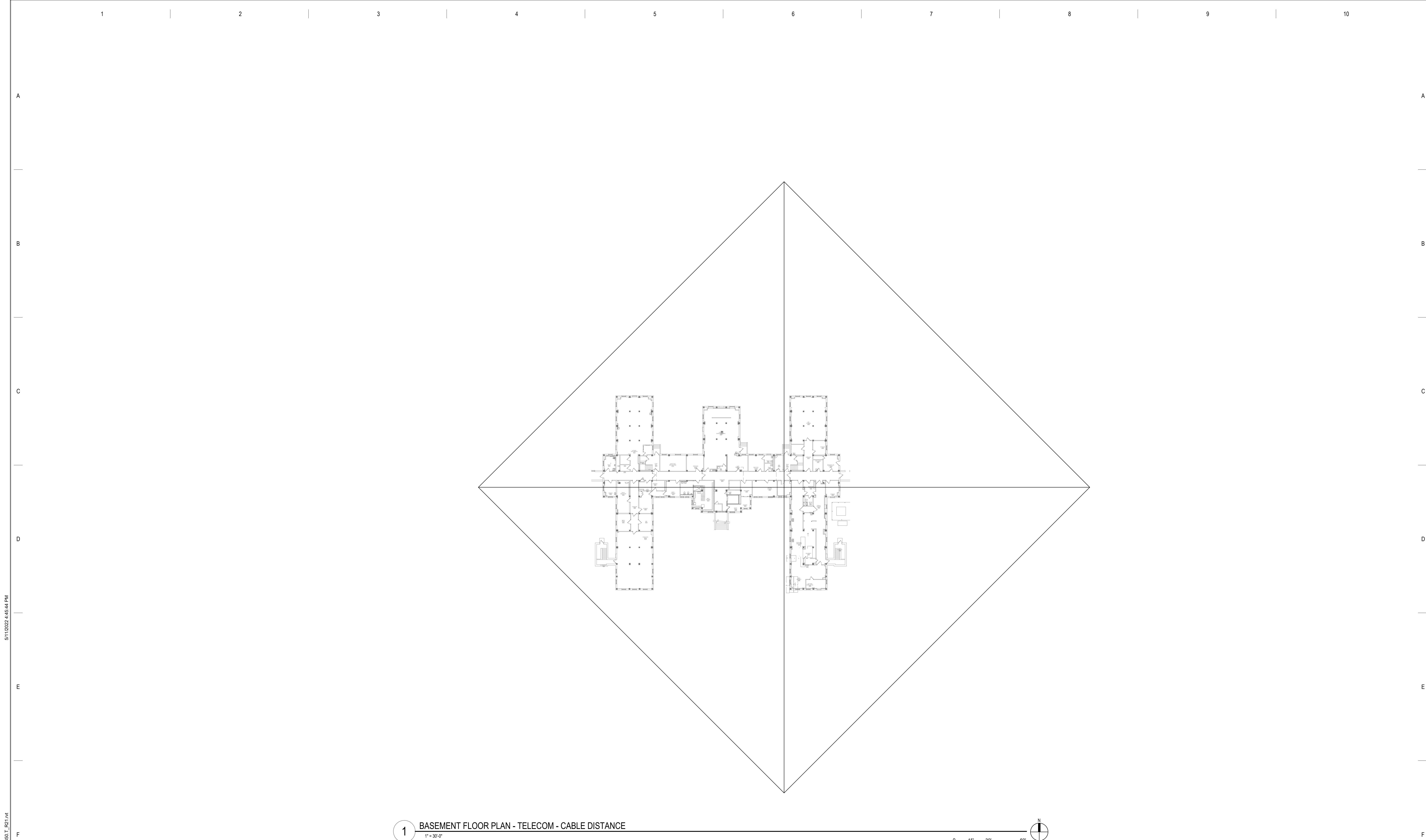
Nathan M. Timm

DRAWING TITLE

**SECOND FLOOR PLAN
TELECOMMUNICATION**

PROJECT TITLE		DATE: 03/30/2022	
EHRM INFRASTRUCTURE UPGRADES		PLOT SCALE	
		PROJECT NO: 656-21-235	
BUILDING NO 50	CHECKED BY KSB	DRAWN SSK	DRAWING NO 50-TN120
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303		FULLY SPRINKLERED DWG. OF	





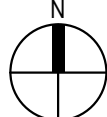
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1

BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE

1" = 30'-0"

0 15' 30' 60'



No	REVISION	DATE

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

Signature

Nathan M. Timm

DRAWING TITLE

BASEMENT FLOOR PLAN -
TELECOM - CABLE DISTANCE

PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

DATE

03/30/2022

PLOT SCALE

BUILDING NO

50

CHECKED BY

KSB

DRAWN

SSK

PROJECT NO

656-21-235

DRAWING NO

50-TN200

LOCATION

VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY
SPRINKLERED

DWG. OF

VA

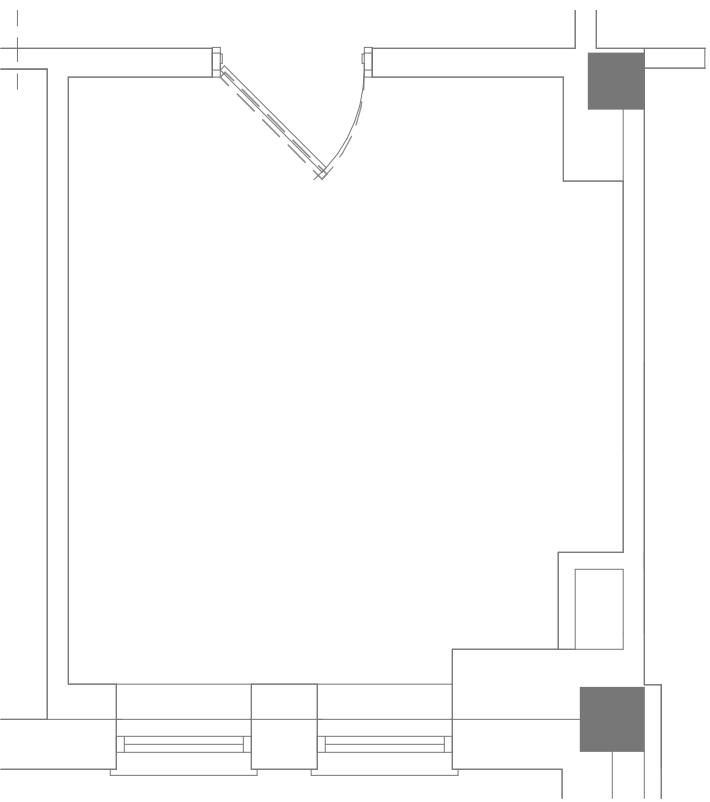
U.S. Department
of Veterans Affairs

Veterans Health
Administration
St. Cloud VA
Health Care System

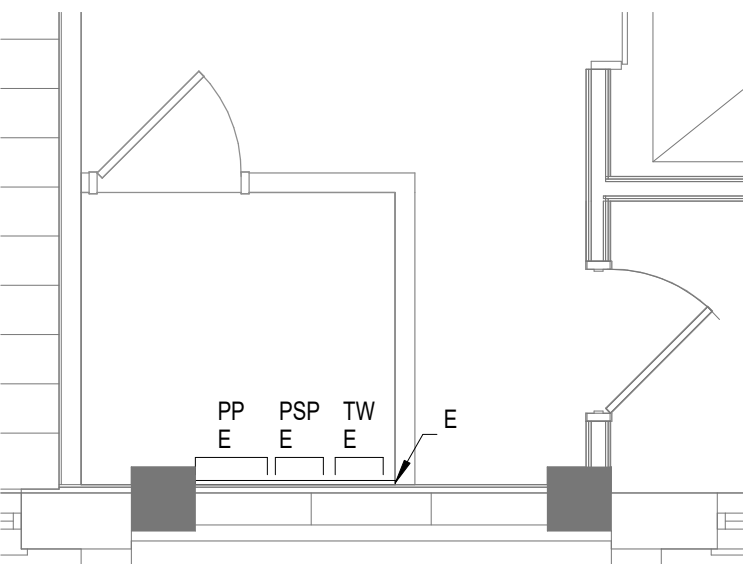
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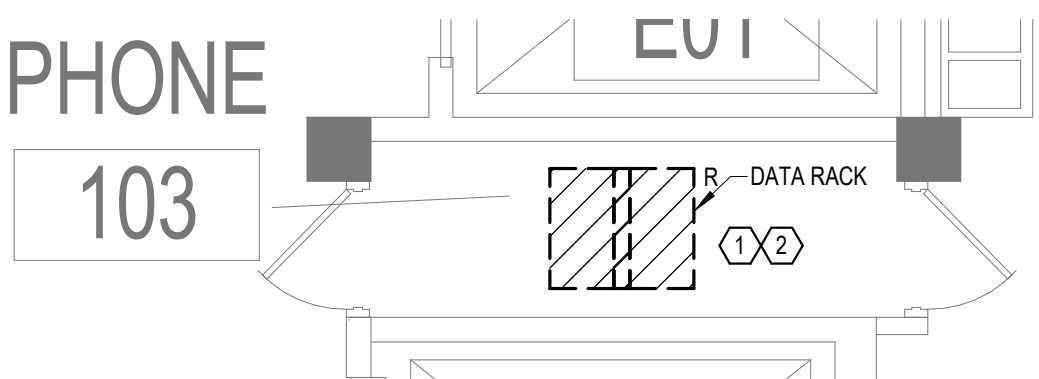
1 2 3 4 5 6 7 8 9 10



1 ENLARGED PLAN - EXIST RM 20 - TELECOM - DEMO
1/4" = 1'-0"



2 ENLARGED PLAN - TR 023C - TELECOM - DEMO
1/4" = 1'-0"



3 ENLARGED PLAN - EXIST RM 103 - DEMO
1/4" = 1'-0"

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 REFEED FROM DISTRIBUTION EQUIPMENT LOCATED WITHIN THE NEW TELECOMMUNICATIONS ROOM. REFER TO GENERAL CABLING NOTES FOR APPROXIMATE QUANTITIES. REFER TO NEW WORK PLANS FOR SERVING COMMUNICATIONS ROOM LOCATION AND NEW CABLING ROUTES.
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:

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 223C	2. ROOM 1103
EXISTING CABLE COUNT	EXISTING CABLE COUNT
DATA (CAT6): 0	DATA (CAT6): 0
DATA (CAT5e): 0	DATA (CAT5e): 348
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

No	REVISION	DATE

CONSULTANT



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DRAWING TITLE

ENLARGED PLANS -
TELECOMMUNICATIONS -
DEMO

PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

PLOT SCALE

PROJECT NO:

656-21-235

DRAWING NO:

50-TN300

LOCATION

VA MEDICAL CENTER
ST. CLOUD, MN 56303

DATE

03/30/2022

CHECKED BY

KSB

DRAWN

SSK

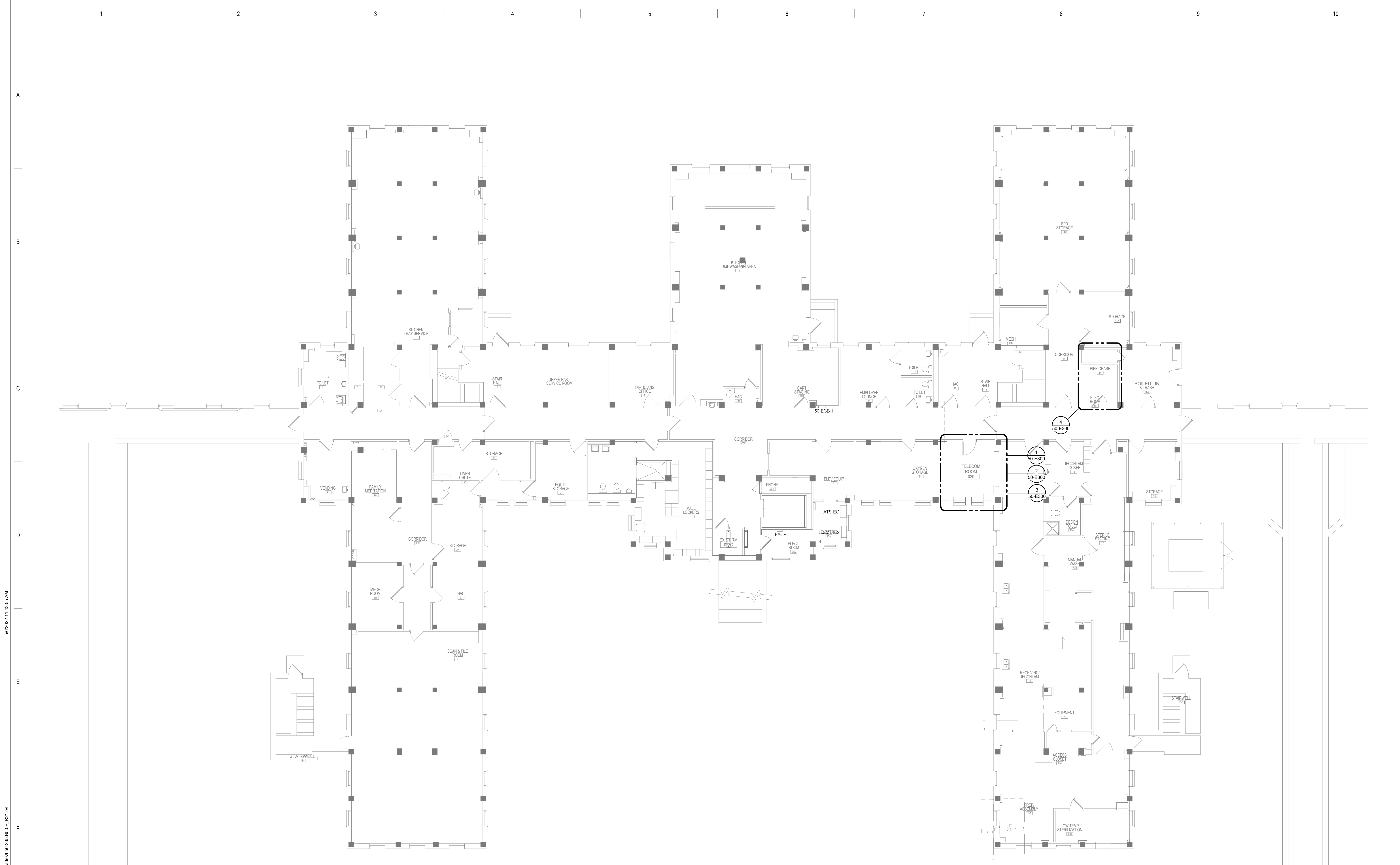
FULLY
SPRINKLERED

DWG. OF

VA



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



1 BASEMENT FLOOR PLAN - ELECTRICAL
50-E100 SCALE: 1/8" = 1'-0"



BIM 360://21102.001 - VA St Cloud EHRM Infrastructure Upgrades/656-235 B60.E_R21.rvt 5/6/2022 11:43:55 AM

100% CD		03/30
No	REVISION	DATE

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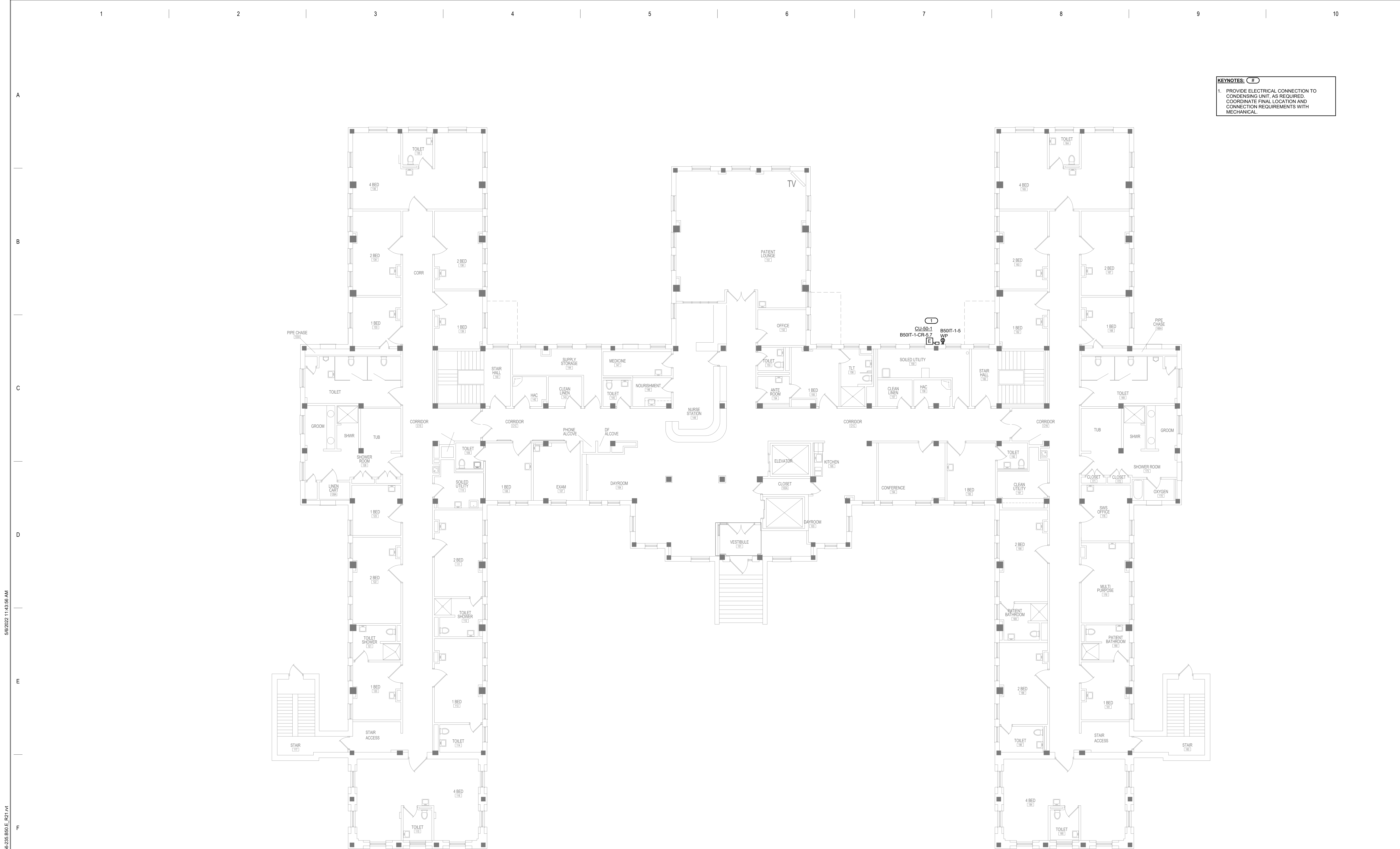
STAMP

DRAWING TITLE

BASEMENT FLOOR PLAN - ELECTRICAL

PROJECT FILE	EHRM INFRASTRUCTURE UPGRADES		DATE	03/30/2022
BUILDING No	50	CHECKED BY	TBD	DATE
LOCATION	VA MEDICAL CENTER ST. CLOUD, MN 56303	DRAWN	GJL	DATE
LOW TEMP STERILIZATION	100%	SPRINKLERED	NO	DATE

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



1 FIRST FLOOR PLAN - ELECTRICAL
5/4/2022 SCALE: 1/8" = 1'-0"

BIM 360://21102.001 - VA St Cloud EHRM Infrastructure Upgrades/656-235-B60-E_R21.dwg 5/6/2022 11:43:56 AM

100% CD REVISION DATE		CONSULTANT AST SES SPECIALIZED ENGINEERING SOLUTIONS 10360 Ellipse 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	DRAWING TITLE FIRST FLOOR PLAN - ELECTRICAL	PROJECT FILE EHRM INFRASTRUCTURE UPGRADES DATE: 03/30/2022 PLOT SCALE 656-21-235 BUILDING NO 50 CHECKED BY TBD DRAWN GJL DRAWING NO 50-E101 LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303 FULLY SPRINKLERED DWG. OF	U.S. Department of Veterans Affairs Veterans Health Administration St. Cloud VA Health Care System
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100% CD	03/30
No	REVISION
DATE	

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Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

REGISTERED PROFESSIONAL
ELECTRICIAN
NO. 50305

05-06-2022

DRAWING TITLE

ENLARGED PLANS -
ELECTRICAL

PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

DATE

03/30/2022

PLOT SCALE

PROJECT NO.

656-21-235

DRAWING NO.

50-E300

LOCATION

VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY
SPRINKLERED

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VA

U.S. Department
of Veterans Affairs

Veterans Health
Administration
St. Cloud VA
Health Care System

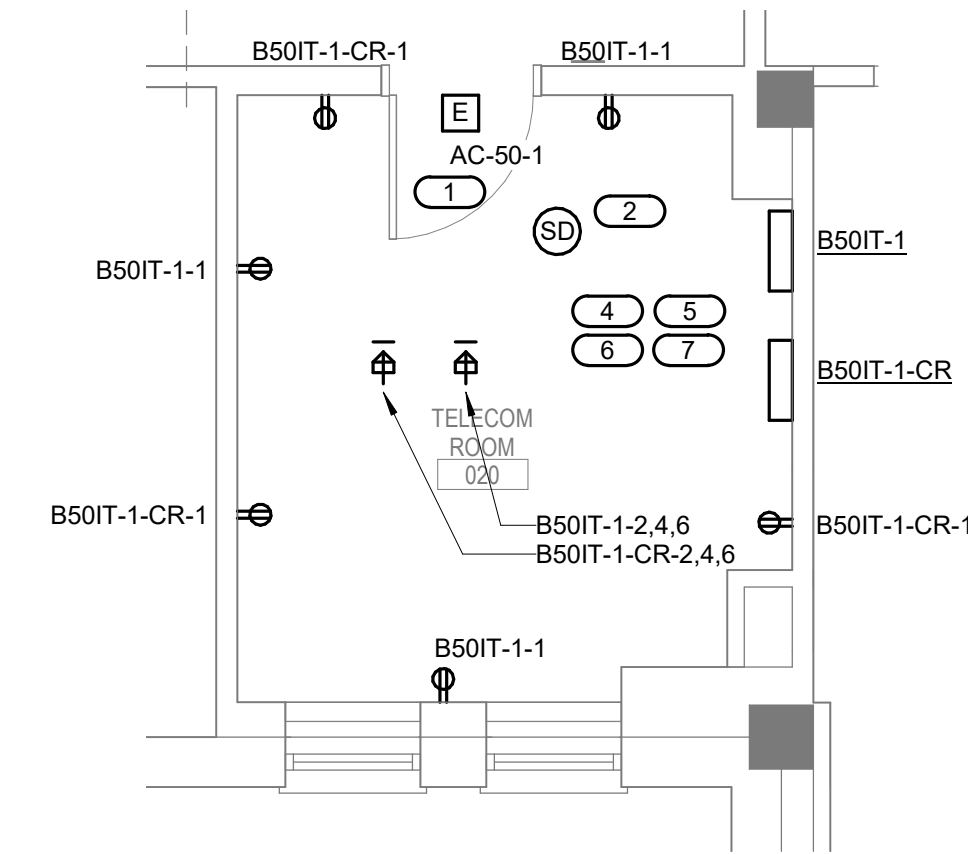
- KEYNOTES:** (#)
- INDOOR UNIT TO BE POWERED BY OUTDOOR UNIT. COORDINATE EXACT LOCATION WITH M.C.
 - CONNECT SMOKE DETECTOR TO NEAREST EXISTING SLC.
 - DISCONNECT AND REMOVE EXISTING LIGHTS AND RECEPTACLES IN ROOM. MAINTAIN CIRCUIT CONTINUITY TO ADJOINING ROOMS.
 - COORDINATE FINAL LOCATION OF RECEPTACLE L21-30R WITH TELECOM CONTRACTOR. PROVIDE 3/4" C-#10, 1#10 GND TO PANEL FOR EACH RECEPTACLE.
 - PROVIDE EATON BLADEUPS, 5KW, 120/208V, 3-PHASE 4-WIRE RACK MOUNTED UPS FOR EACH RACK TOWER.
 - PROVIDE APC#AP8861 RPDJ RACK PDU 2G WITH L21-20P CORD, (120/208V, 3-PHASE, 20A, ZERO LL, 5.7 KW, 208V, (36) 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#ZPOS-208V-30A-L21-4L21-20R-CR.



4

BASEMENT FLOOR PLAN - EXISTING ELECTRICAL ROOM

1/4" = 1'-0"



3

TELECOM ROOM - POWER & SYSTEM

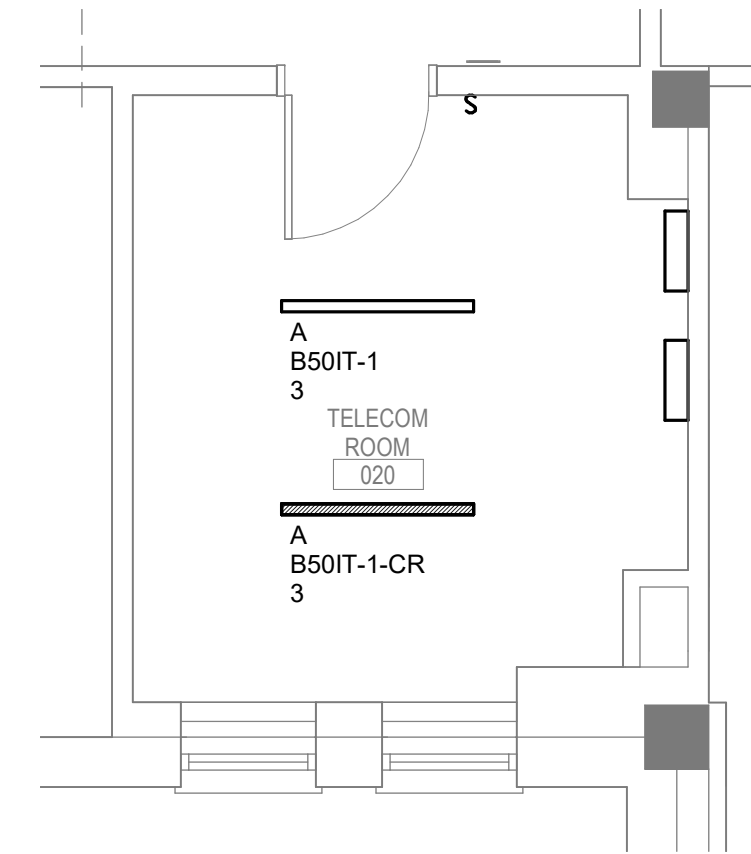
1/4" = 1'-0"



1

TELECOM ROOM - ELECTRICAL DEMOLITION

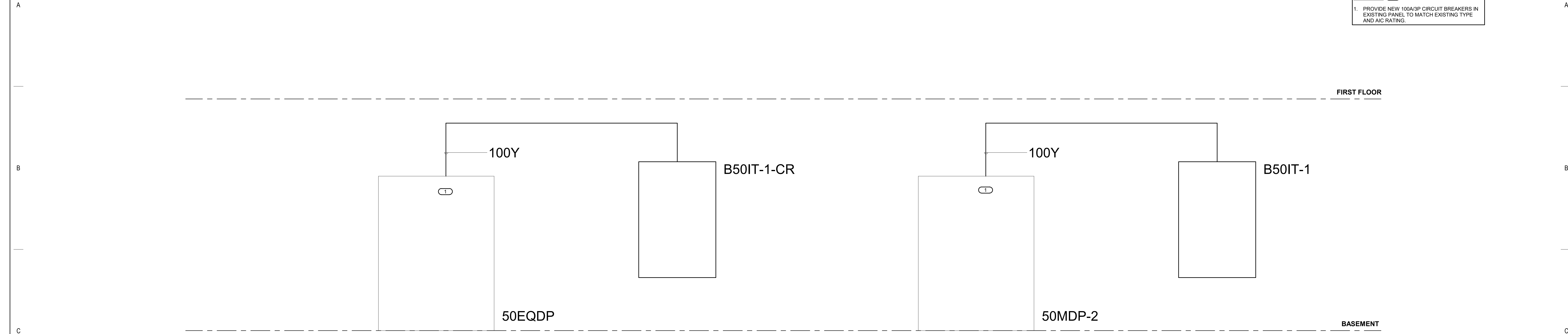
1/4" = 1'-0"



2

TELECOM ROOM - LIGHTING

1/4" = 1'-0"



1 PARTIAL POWER RISER
NO SCALE

<

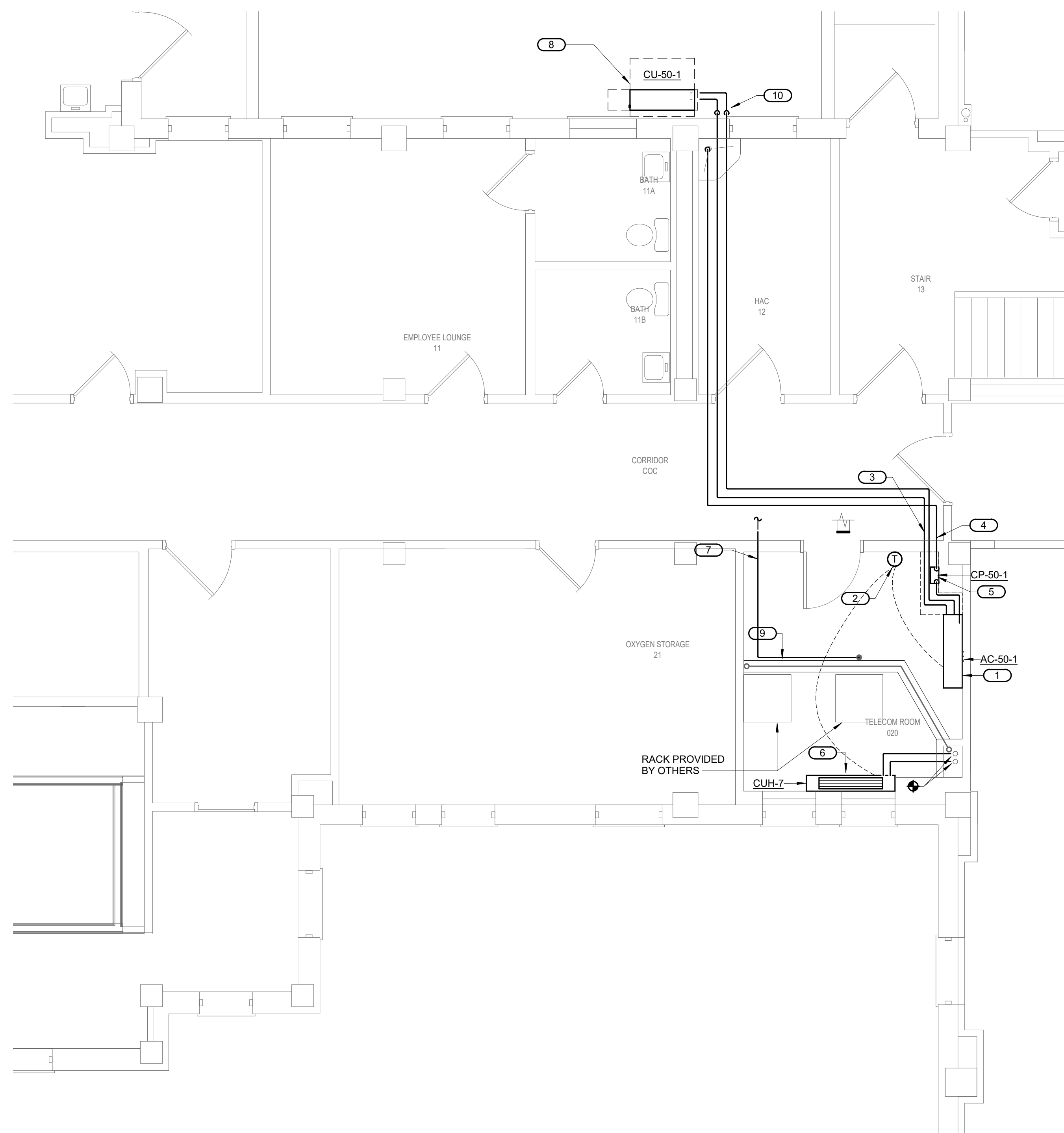
E

KEYNOTES 1/50-M100:	#
1. REMOVE AND DISPOSE OF EXISTING DUCT AND DIFFUSER BACK TO LOCATION SHOWN AND CAP DUCT.	
2. REMOVE AND DISPOSE OF EXISTING RETURN GRILLE TO BE REMOVED.	
3. REMOVE AND DISPOSE OF EXISTING FIRE SPRINKLER HEAD AND BRANCH PIPE. PREPARE FOR RECONNECTION.	
4. REMOVE AND DISPOSE OF EXISTING CONVECTION HEATER AND ASSOCIATED PIPING BACK TO RISERS. FIELD VERIFY REQUIREMENTS.	
5. EXISTING PLUMBING PIPING TO REMAIN.	
6. REMOVE AND DISPOSE OF EXISTING THERMOSTAT AND ASSOCIATED WIRING.	

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

- | KEYNOTES 1/50-M2200: | # |
|--|---|
| 1. PROVIDE NEW WALL-MOUNTED SPLIT SYSTEM AC UNIT. | |
| 2. PROVIDE NEW THERMOSTAT - WIRE AS COMMON TO BOTH NEW AC UNIT AND EXISTING CUR. | |
| 3. ROUTE NEW REFRIGERANT PIPING WEST TO NEW AIR COOLED CONDENSING UNIT LOCATED ON GRADE. | |
| 4. ROUTE 1" PUMPED CONDENSATE PIPING TO MOP SINK IN HAC 12, APPROXIMATELY 35 FEET EAST. | |
| 5. PROVIDE NEW CONDENSATE PUMP, DRIP PAN CONDENSATE PIPING IN TR. ROOM. SEE DETAIL FOR REQUIREMENTS. | |
| 6. PROVIDE NEW CABINET UNIT HEATER CUH-7. EXTEND HYDRONIC HEATING PIPING AND CONNECT TO EXISTING RISERS. FIELD VERIFY REQUIREMENTS. | |
| 7. EXTEND NEW FIRE SPRINKLER BRANCH LINE PROVIDE NEW FIRE SPRINKLER HEAD. | |
| 8. PROVIDE NEW AIR COOLED CONDENSING UNIT CU-50-1. PROVIDE CONCRETE PAD. REFER TO REFRIGERANT PIPING DETAIL 10-GM400 AND PAD MOUNTING DETAIL 30-GM401. | |
| 9. EXISTING PLUMBING PIPING TO REMAIN. PROVIDE DRIP PAN AND WRAP PIPING TO DETAIL 601-GM400 FOR REQUIREMENTS. | |
| 10. REFERENCE TO 410-GM401 FOR WALL PENETRATION SEALING DETAIL. | |



1 BASEMENT LEVEL - MECHANICAL - TELECOM 020
1/4" = 1'-0"



	100% CD	03/30
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 Engineer under the laws of the State of Minnesota.

Name:

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

PROJECT TITLE		DATE	
EHRM INFRASTRUCTURE UPGRADES		03/30/2022	
		PLOT SCALE	
		PROJECT NO. 656-21-235	
BUILDING NO.	CHECKED BY	DRAWN	DRAWING NO.
50	RDL	DJC	50-M200
LOCATION		FULLY SPRINKLERED	
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