

BUILDING 2 - EHRM INFRASTRUCTURE UPGRADES

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

OWNER AND CONSULTANTS:

VA COR:
CONTACT: MIKE ENGMARK
ADDRESS: ST CLOUD VA MEDICAL CENTER
4801 VETERANS DRIVE
ST. CLOUD, MN 56303
PHONE: 320-252-1670

PROGRAM MANAGER:
CONTACT: JONATHAN WEST
ADDRESS: ST CLOUD VA MEDICAL CENTER
4801 VETERANS DRIVE
ST. CLOUD, MN 56303
PHONE: 504-250-2699
EMAIL: Jonathan.West@vcaint.com

CIVIL ENGINEER:
NAME: ANDERSON ENGINEERING OF MN, LLC
ADDRESS: 13605 1ST AVE NORTH, SUITE 100
PLYMOUTH, MN 55441

CONTACT: IAN WEBER
PHONE: 763-412-4000

ARCHITECT:
NAME: ANDERSON ENGINEERING OF MN, LLC
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PLYMOUTH, MN 55441

CONTACT: EDWARD MARKFORT
PHONE: 763-412-4000

STRUCTURAL ENGINEER:
NAME: ADVANCED STRUCTURAL TECHNOLOGIES
ADDRESS: 7301 OHMS LANE, SUITE 215
EDINA, MN 55439

CONTACT: ZACHARY CRAIG
PHONE: 952-854-9302

TELECOMMUNICATIONS ENGINEER:
NAME: SPECIALIZED ENGINEERING SOLUTIONS
ADDRESS: 10390 ELLISON CIRCLE
OMAHA, NE 68134

CONTACT: KRIS BURNHAM
PHONE: 402-991-5520

MECH/ELEC/PLUMB/FIRE ENGINEER:
NAME: SPECIALIZED ENGINEERING SOLUTIONS
ADDRESS: 10390 ELLISON CIRCLE
OMAHA, NE 68134

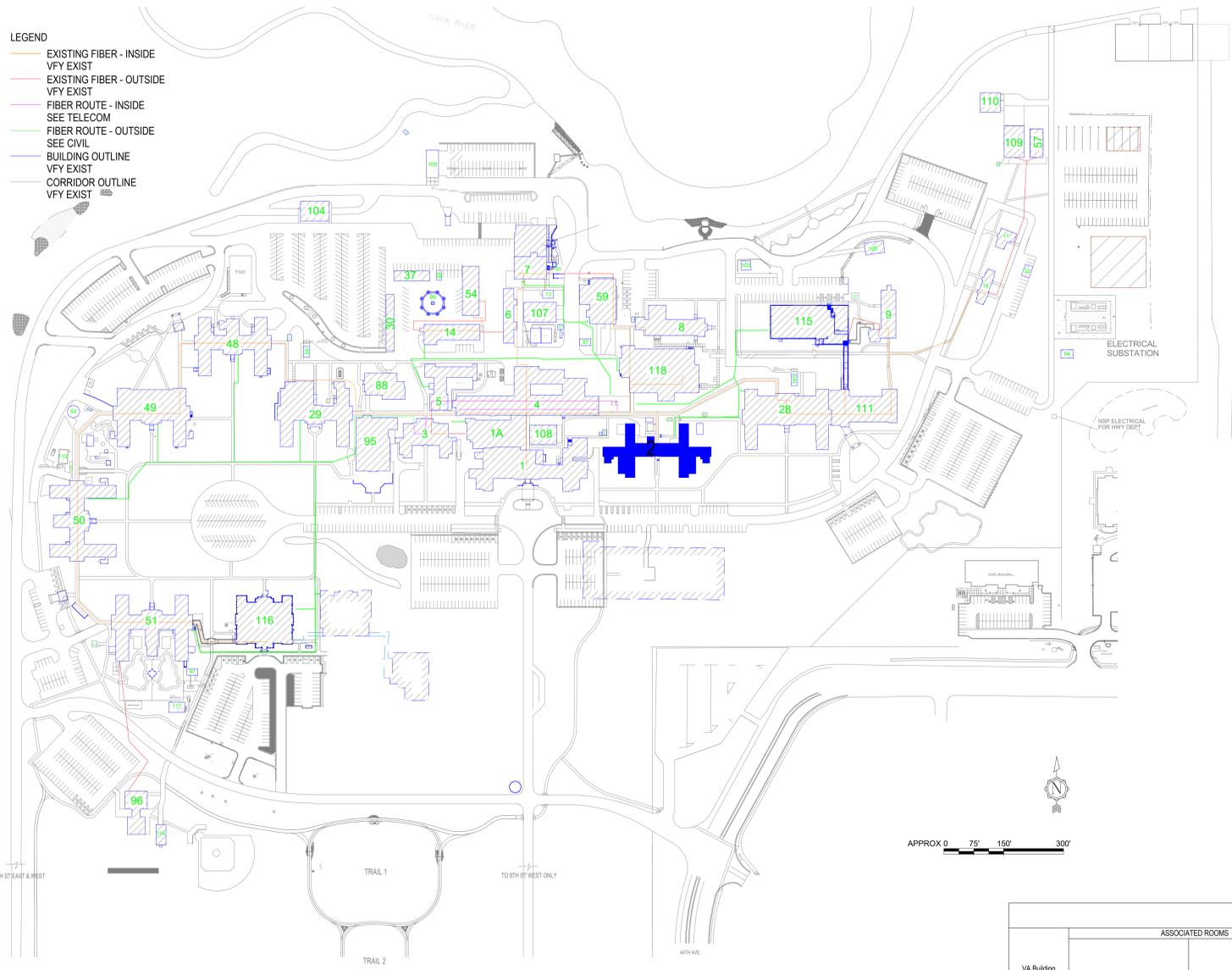
CONTACT: KRIS BURNHAM
PHONE: 402-991-5520

VICINITY MAP:



LEGEND

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



SHEET INDEX - BUILDING 2

SHEET NO.	SHEET TITLE
2-GI000	BUILDING 2 COVER SHEET & SHEET INDEX
2-GI001	BASEMENT FLOOR INFECTION CONTROL & PHASING PLAN
2-HA-1A	REFERENCE - BASEMENT FLOOR - ASBESTOS RE-SURVEY
2-HA-2A	REFERENCE - FIRST FLOOR ASBESTOS RE-SURVEY
2-HA-3A	REFERENCE - SECOND FLOOR ASBESTOS RE-SURVEY
2-AS100	BASEMENT PLANS
2-AS110	FIRST FLOOR - OVERALL PLAN
2-AS120	SECOND FLOOR - OVERALL PLAN
2-TD100	BASEMENT FLOOR PLAN - TELECOM - DEMOLITION
2-TD110	FIRST FLOOR PLAN - TELECOM - DEMOLITION
2-TD120	SECOND FLOOR PLAN - TELECOM - DEMOLITION
2-TD130	THIRD FLOOR PLAN - TELECOM - DEMOLITION
2-TN100	BASEMENT FLOOR PLAN - TELECOMMUNICATIONS
2-TN110	FIRST FLOOR PLAN - TELECOMMUNICATIONS
2-TN120	SECOND FLOOR PLAN - TELECOMMUNICATIONS
2-TN130	THIRD FLOOR PLAN - TELECOMMUNICATIONS
2-TN200	BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE
2-TN300	ENLARGED PLAN - TELECOMMUNICATIONS - DEMO
2-TN400	ENLARGED PLANS - TELECOMMUNICATIONS
02-E200	BASEMENT FLOOR PLAN - ELECTRICAL
02-E201	FIRST FLOOR PLAN - ELECTRICAL
02-E300	ELECTRICAL ENLARGED PLANS
02-E400	ELECTRICAL DIAGRAMS
02-E500	ELECTRICAL SCHEDULES
02-M100	BASEMENT AND FIRST FLOOR DEMOLITION - MECHANICAL
02-M200	BASEMENT FLOOR REMODEL - MECHANICAL
02-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	001A	TELECOM ROOM	X	X	X		X	X	X	X	X		64 SF	5.4	11.8	UPDATE EXIST IT/DATA ROOM TO EHRM TELECOM ROOM STANDARDS. SEE TELECOM DRAWINGS

HAZARDOUS MATERIAL SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	QUESTIONABLE HAZARDOUS ELEMENT	POSSIBLE ABATEMENT ACTION
BASEMENT	001A	TELECOM ROOM	NONE. SEE 2-HA-1A	NONE. ACM TO REMAIN UNDISTURBED

HAZARDOUS MATERIALS MAY BE ENCOUNTERED THROUGHOUT THE DISTRIBUTION ROUTING THROUGH CEILING PLENUMS AND UTILITY TUNNELS. INSTALLATION OF DISTRIBUTION SHALL NOT DISTURB QUESTIONABLE HAZARDOUS MATERIAL.

ICRA PHASE CONSTRUCTION ROOM SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS	SECTION	CONSTRUCTION ZONE / OCCUPIED CONSTR	DAY / NIGHT
BASEMENT	001A	TELECOM ROOM	DOMICILIARY	TYPE B	GROUP 1	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 TEAMS KNOWLEDGE. FINAL DETERMINATION BY THE VA WILL BE MADE AT A LATER DATE.

LEAK PREVENTION / DIVERTER SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	OVERHEAD LEAK DIVERTER AND DRAIN PIPING	LEAK PREVENTION BARRIER WATERPROOFING
BASEMENT	001A	TELECOM ROOM	YES	IMVP INT: WEST

SEE GENERAL NOTES SHEET FOR DETAIL. MWP = MEMBRANE WATERPROOFING. MASOBNRY = FLUID-APPLIED WATERPROOFING. INT = INTERIOR. EXT = EXTERIOR

OPENING SCHEDULE

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

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NO.	REVISION	DATE
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CONSULTANT

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

APPROVED	DATE	APPROVED PROJECT COR	DATE	APPROVED PATIENT SAFETY	DATE	APPROVED O&M MANAGER	DATE	APPROVED DIRECTOR/FM	DATE

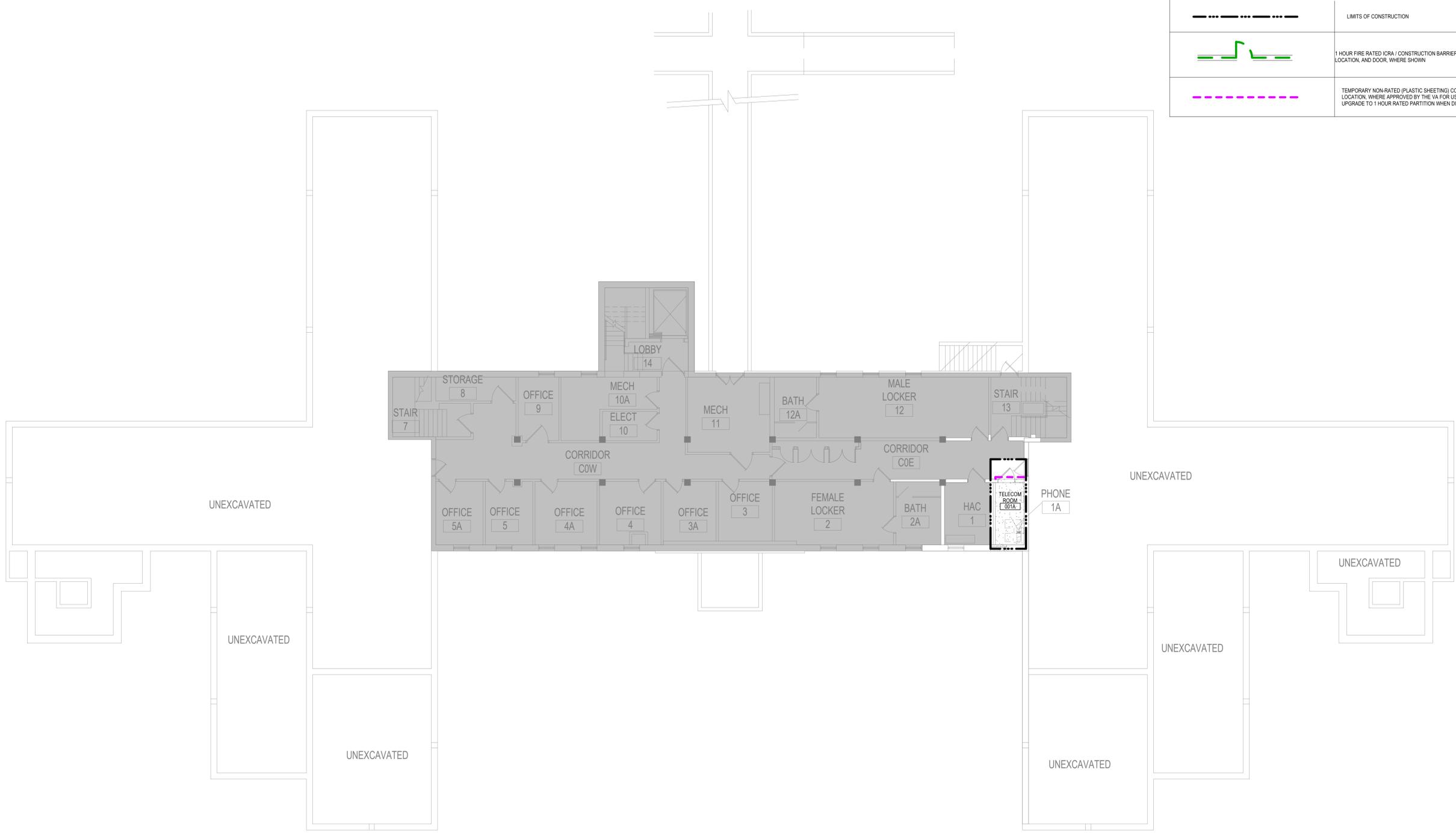
BUILDING 2 COVER SHEET & SHEET INDEX

PROJECT FILE: EHRM INFRASTRUCTURE UPGRADES
DATE: 03/30/2022
PLOT SCALE: 1/8"=1'-0"
PROJECT NO: 656-21-235
BUILDING NO: 2
CHECKED BY: EM
DRAWN BY: EM
SHEET NO: 2-GI000
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINGERED
COVER OF

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	001A	TELECOM ROOM	DOMICILIARY	TYPE B	GROUP 1	CLASS II
SEE GENERAL NOTES SHEET FOR CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA) DESCRIPTIONS, TYPE, GROUP AND CLASS SELECTED TO BEST OF DESIGN TEAM'S KNOWLEDGE. FINAL DETERMINATION BY THE VA WILL BE MADE AT A LATER DATE.						

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



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



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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

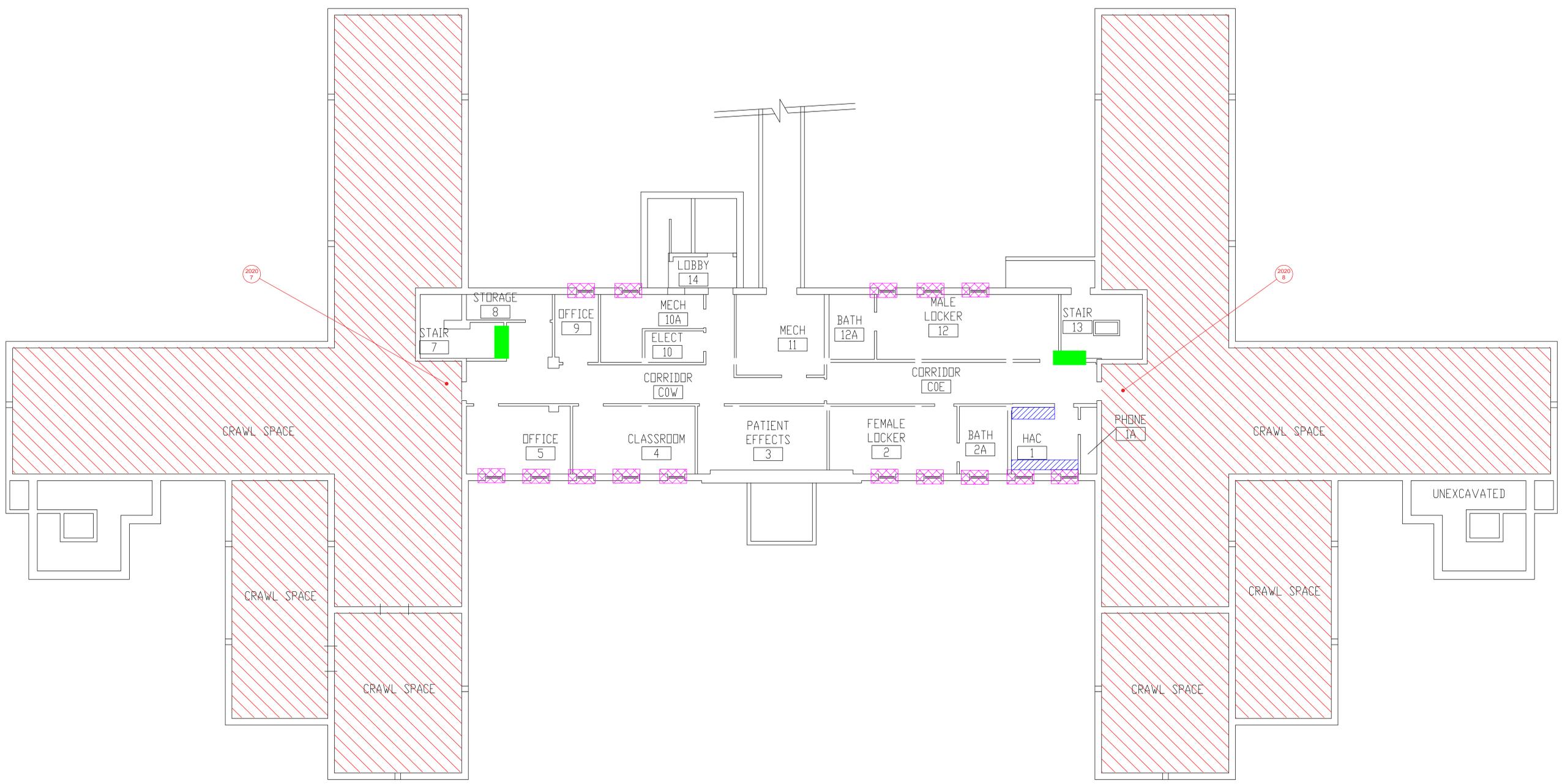
EHM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOT SCALE: 1/8" = 1'-0"
PROJECT NO: 656-21-235
BUILDING No: 2
CHECKED BY: EM
DRAWN BY: BMW
DRAWING NO: 2-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 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

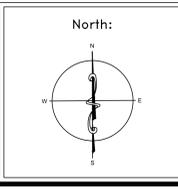


BUILDING #2 - BASEMENT FLOOR PLAN

- LEGEND**
- SAMPLE LOCATION
 - POSITIVE SAMPLE LOCATION
 - ASBESTOS-CONTAINING FIRE DOOR
 - ASBESTOS-CONTAMINATED SOIL IN CRAWLSPACE
 - ASBESTOS-CONTAINING WINDOW CAULK (OLD RESIDUAL CAULK)
 - ASBESTOS-CONTAINING BLACK WALL ADHESIVE

Revisions	Dates

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



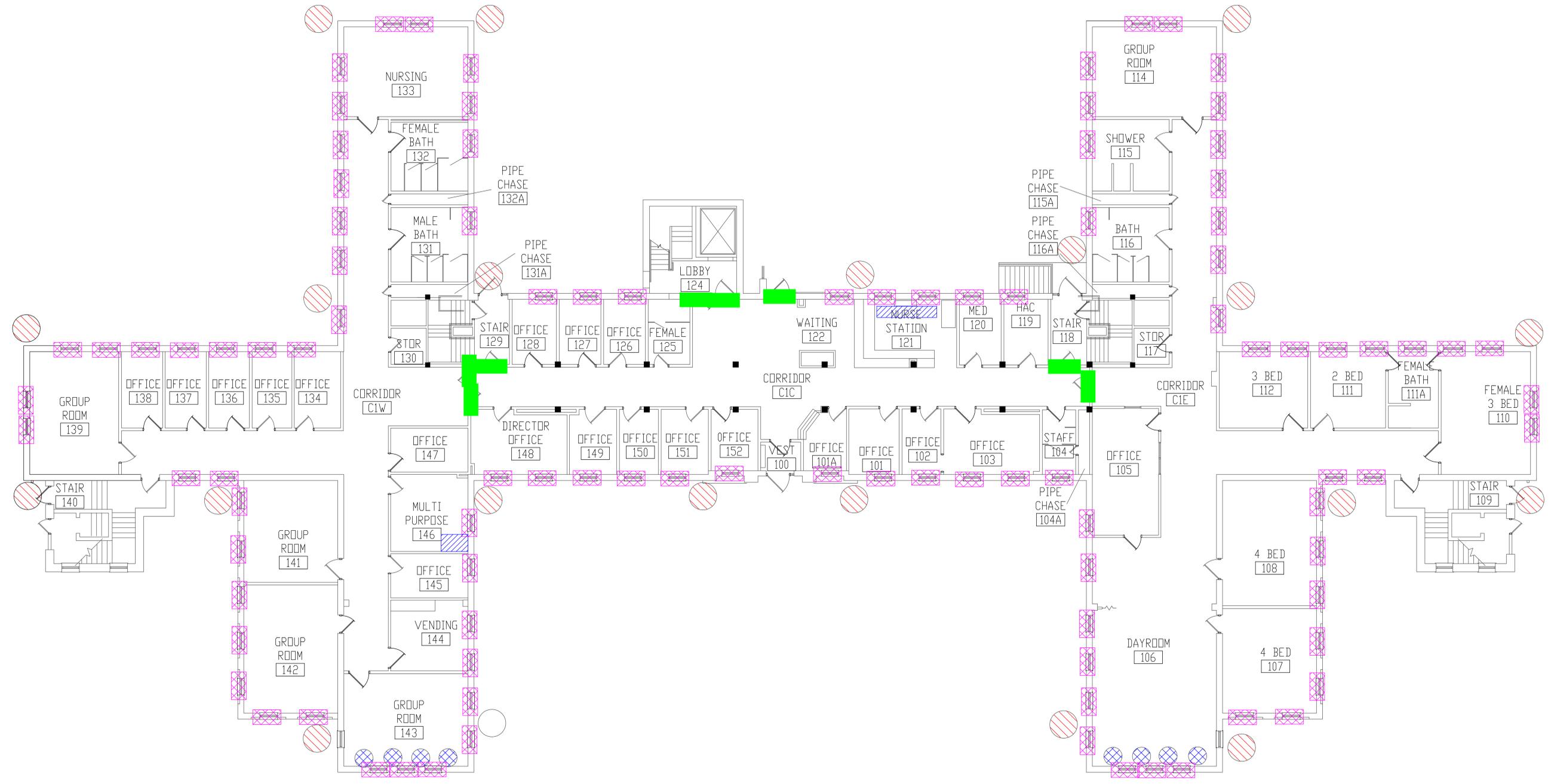
Drawing Title	ARCHITECTURAL PLAN BUILDING 2 Scale: 1/8" = 1'-0"
Approved : Division Chief	
Approved : Service Director	

Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	002	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	1A
Sheet	06 of 71



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
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 one-quarter inch = one foot
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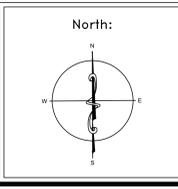


BUILDING #2 - FIRST FLOOR PLAN

- LEGEND**
- ASBESTOS-CONTAINING HARD FITTINGS ON FIBERGLASS
 - ASBESTOS-CONTAINING FIRE DOOR
 - ASBESTOS-CONTAINING WINDOW CAULK (OLD RESIDUAL CAULK)
 - ASBESTOS-CONTAINING BLACK WALL ADHESIVE
 - ASBESTOS-CONTAINING BLACK TAR ON RAIN LEADER DOWNSPOUT

Revisions	Dates

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 218-A MECHANIC STREET,
 WATERVILLE, OHIO 43566
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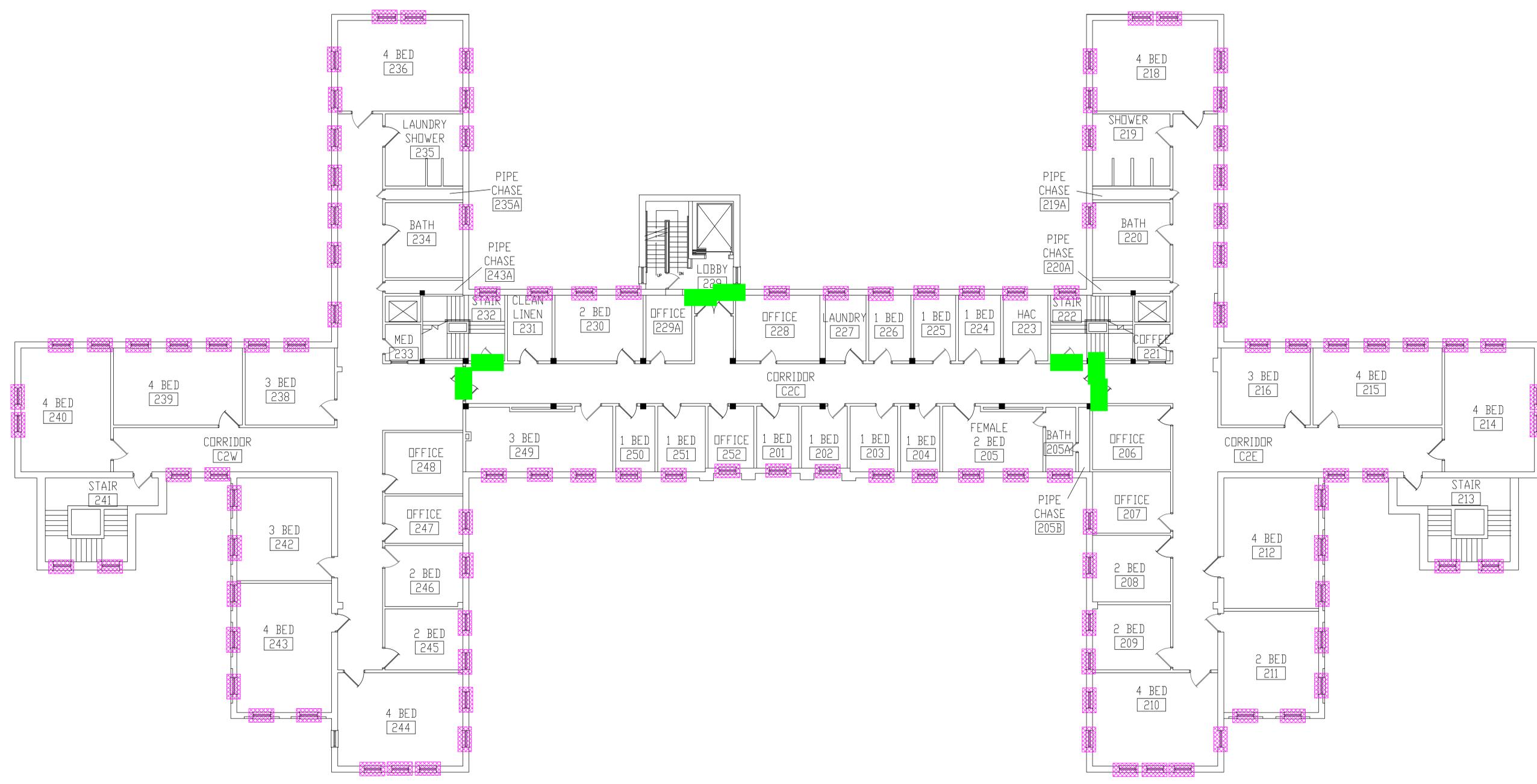
Drawing Title	
ARCHITECTURAL PLAN BUILDING 2 Scale: 1/8" = 1'-0"	
Approved: Division Chief	
Approved: Service Director	

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

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	2A
Sheet 07 of 71	



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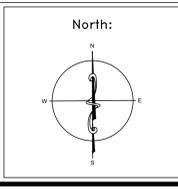


BUILDING #2 - SECOND FLOOR PLAN

- LEGEND**
- ASBESTOS-CONTAINING FIRE DOOR
 - ASBESTOS-CONTAINING WINDOW CAULK (OLD RESIDUAL CAULK)

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
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 218-A MECHANIC STREET,
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 Tel: (567) 952-0212

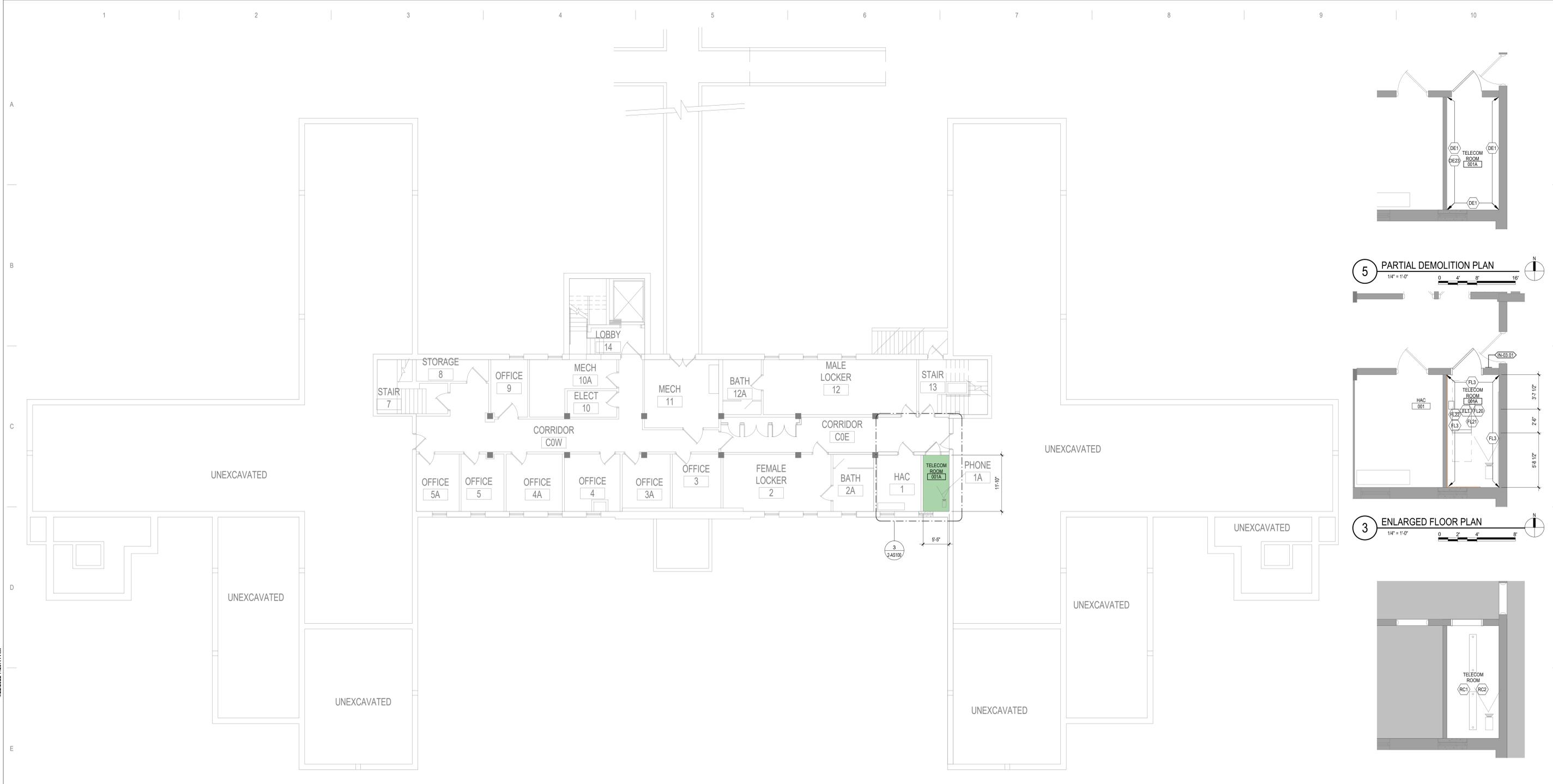


Drawing Title	ARCHITECTURAL PLAN BUILDING 2 Scale: 1/8" = 1'-0"
Approved: Division Chief	
Approved: Service Director	

Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	002	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	3A
Sheet	08 of 71





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

5 PARTIAL DEMOLITION PLAN
1/4" = 1'-0"

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

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

DEMOLITION PLAN KEYED NOTES

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

DE23 PREPARE EXISTING PARTITION FOR LEAK PREVENTION BARRIER. SEE FLOOR PLAN AND SHEET AS801.

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.

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.

FL20 TELECOM EQUIPMENT. SEE TELECOM DRAWINGS.

FL21 OVERHEAD LEAK DIVERTER. SEE PLUMBING.

FL22 LEAK PREVENTION BARRIER WATERPROOFING DETAIL AT EXISTING PARTITION. SEE AS801.

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

FLOOR PLAN KEYED NOTES

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 IA) WITH WALL MOUNT BRACKET AND CODE REQUIRED SIGNAGE SHALL BE PROVIDED BY THE CONTRACTOR WITHIN TELECOM ROOMS.

No.	REVISION	DATE

CONSULTANT

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

DRAWING TITLE
BASEMENT PLANS

PROJECT TITLE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

BUILDING No.
2

CHECKED BY
EM

DRAWN BY
EM

DRAWING No.
2-AS100

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

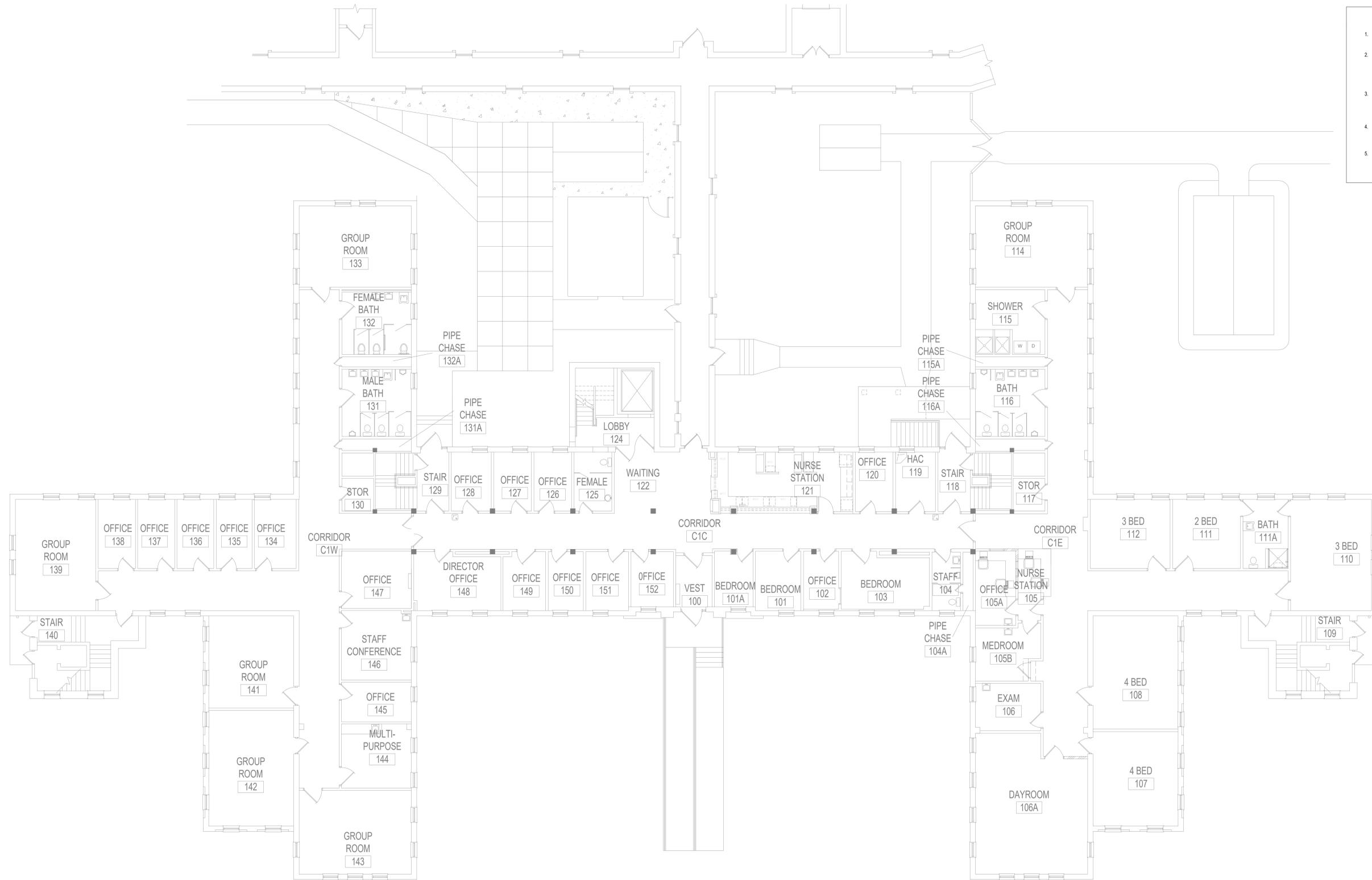
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U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

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



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DRAWING TITLE
FIRST FLOOR - OVERALL PLAN

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

BUILDING No.
2

CHECKED BY
EM

DRAWN BY
EM

DRAWING No.
2-AS110

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

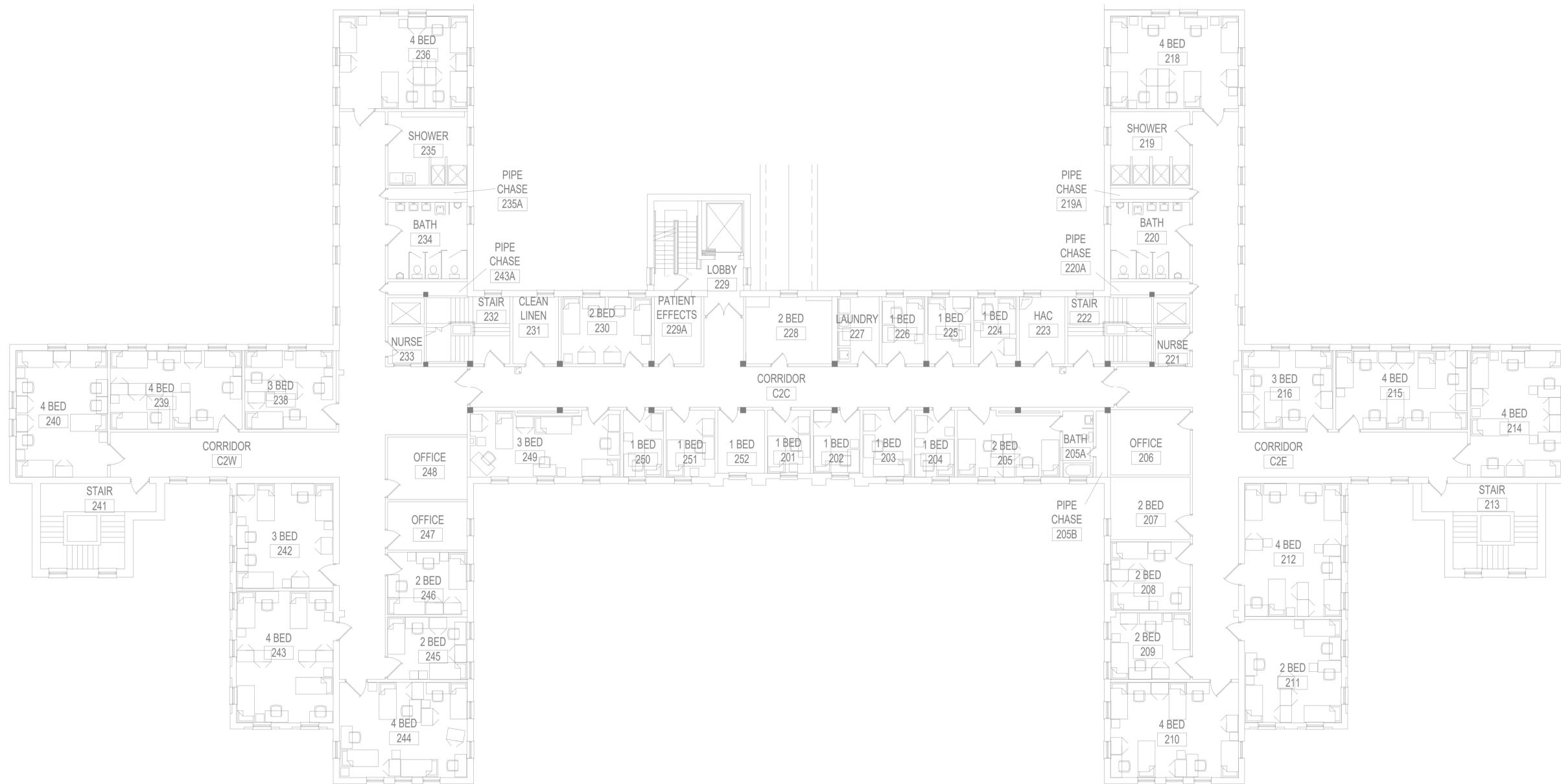
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1 SECOND FLOOR - OVERALL PLAN
1/8" = 1'-0"



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DRAWING TITLE
SECOND FLOOR - OVERALL PLAN

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EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

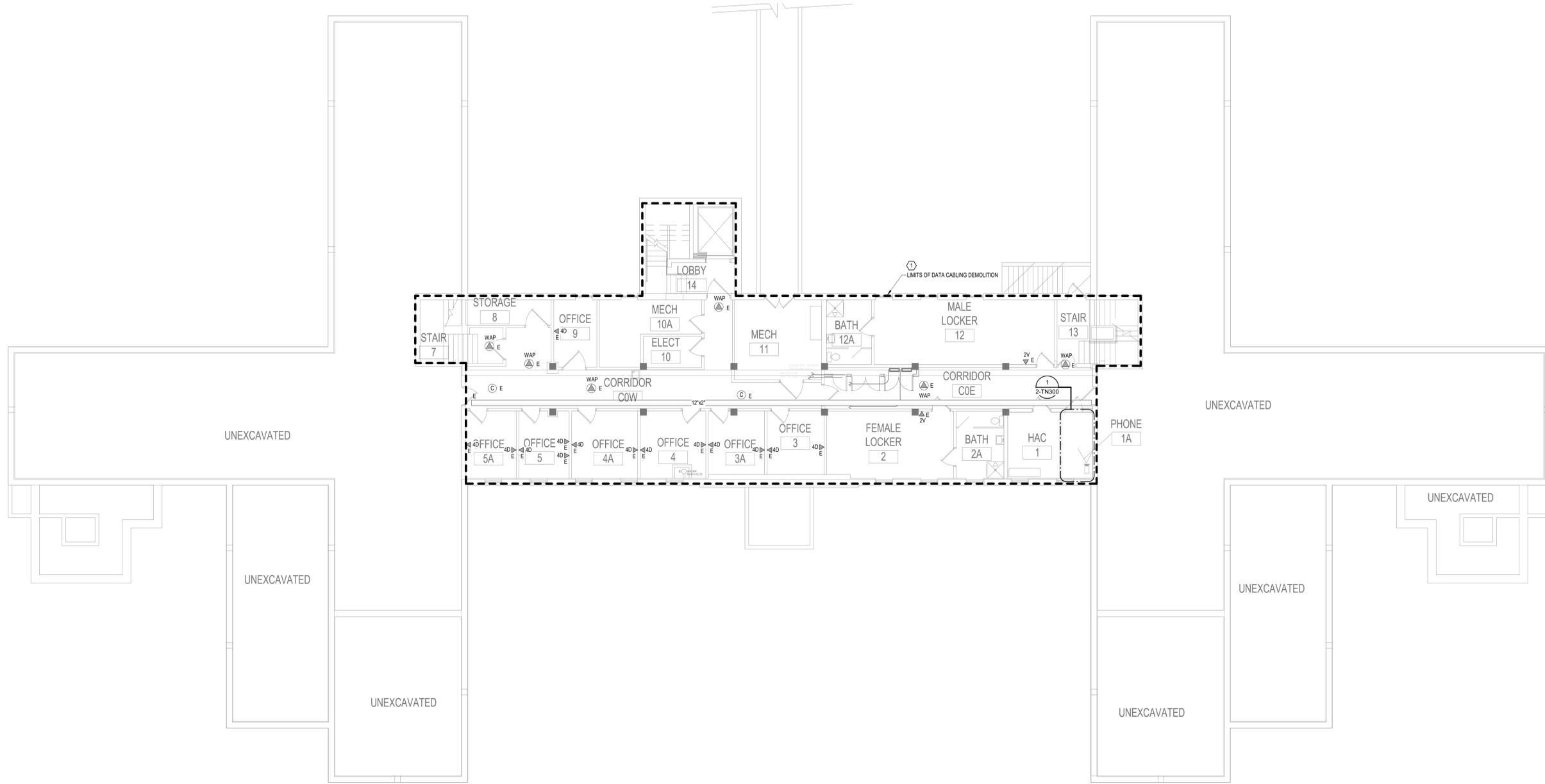
BUILDING No. 2 **CHECKED BY** EM **DRAWN BY** EM **DRAWING No.** 2-AS120

LOCATION
VA MEDICAL CENTER ST. CLOUD, MN 56303 **FULLY SPRINKLERED** **DWG. OF**

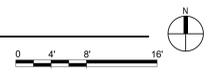
U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

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 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 3:05:18 PM BIM 360://21102.001 - VA St Cloud EHRM Infrastructure Upgrades/656-235-B02_T_R21.rvt

No.	REVISION	DATE

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

DRAWING TITLE

BASEMENT FLOOR PLAN - TELECOM - DEMOLITION

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

DRAWING NO.
2-TD100

LOCATION
VA MEDICAL CENTER ST. CLOUD, MN 56303

DESIGNED BY
KSB

CHECKED BY
SSK

DRAWN BY
SSK

DATE
03/30/2022

SCALE
FULLY SPRINGFIELD

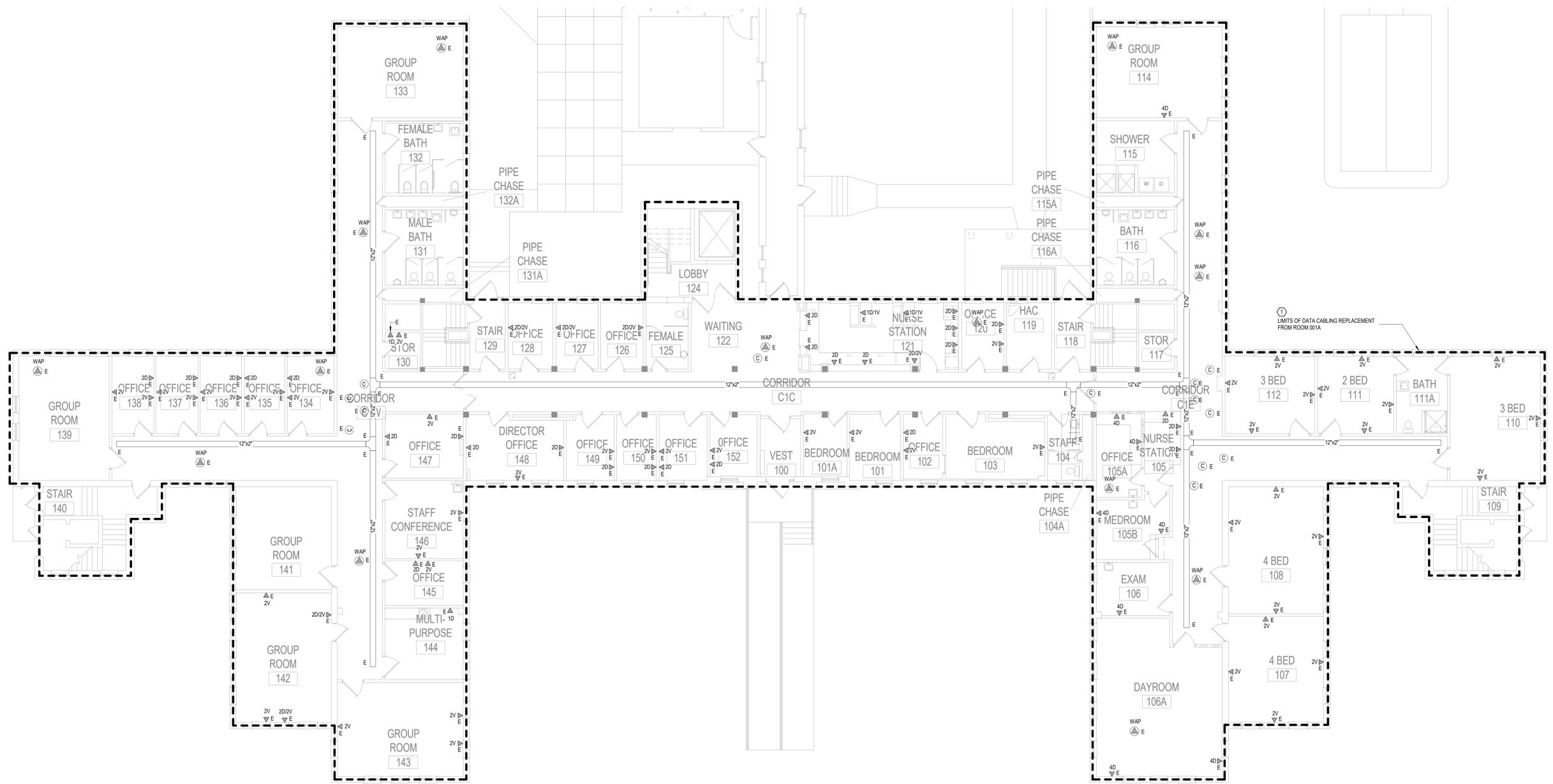
DWG. OF

VA

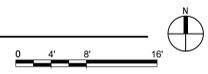
U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

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

SHEET NOTES:
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1 FIRST FLOOR PLAN - TELECOM - DEMOLITION
 1/8" = 1'-0"



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 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

DRAWING NO.
 2-TD110

LOCATION
 VA MEDICAL CENTER
 ST. CLOUD, MN 56303

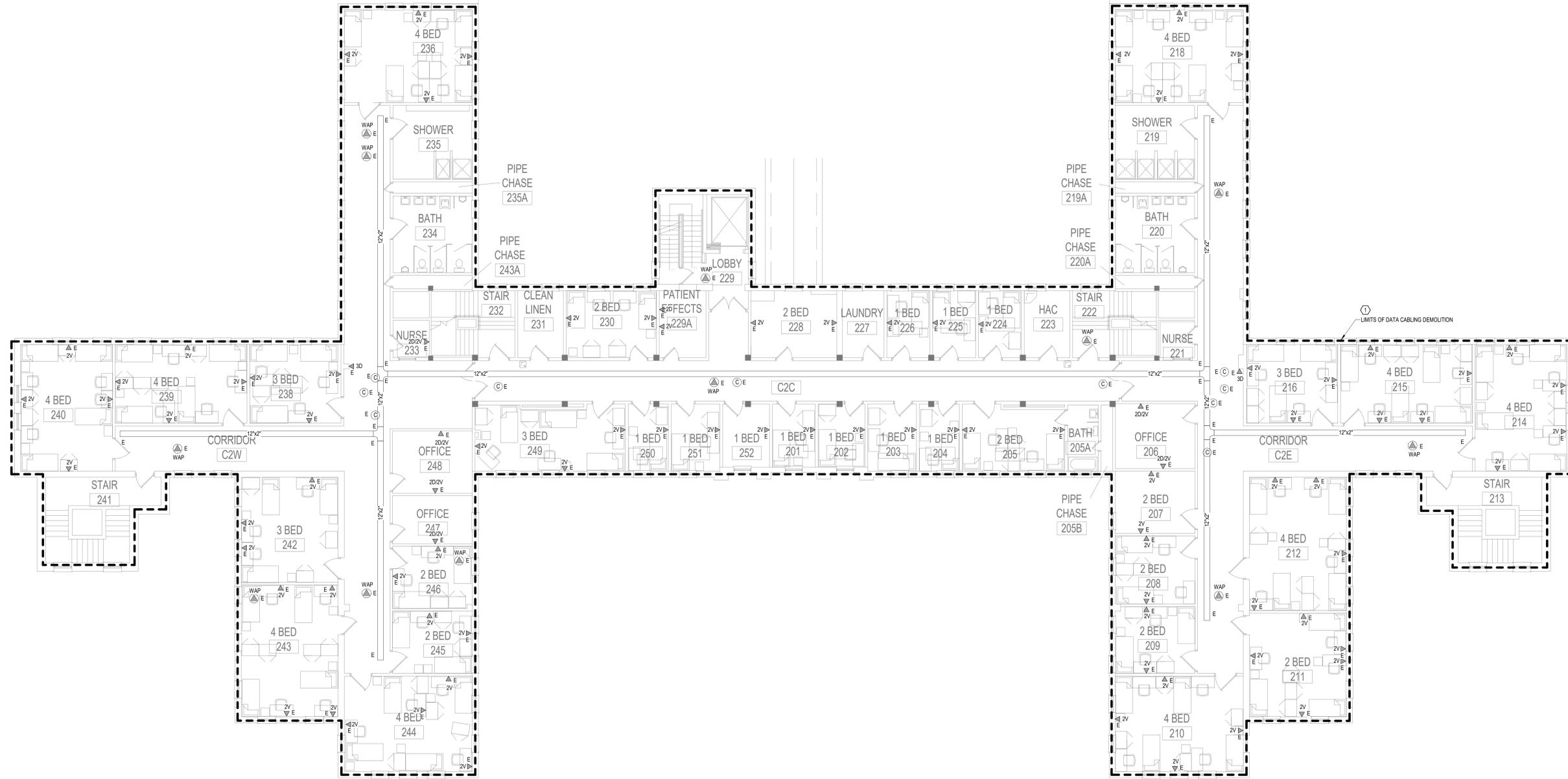
FULLY SPRINKLERED

DWG. OF

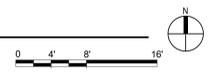
U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System

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

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



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DRAWING TITLE

SECOND FLOOR PLAN - TELECOM - DEMOLITION

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
 PLOT SCALE:
 PROJECT NO: 656-21-235
 DRAWING NO: 2-TD120

BUILDING No: 2
 CHECKED BY: KSB
 DRAWN BY: SSK
 FULLY SPRINKLERED

LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303

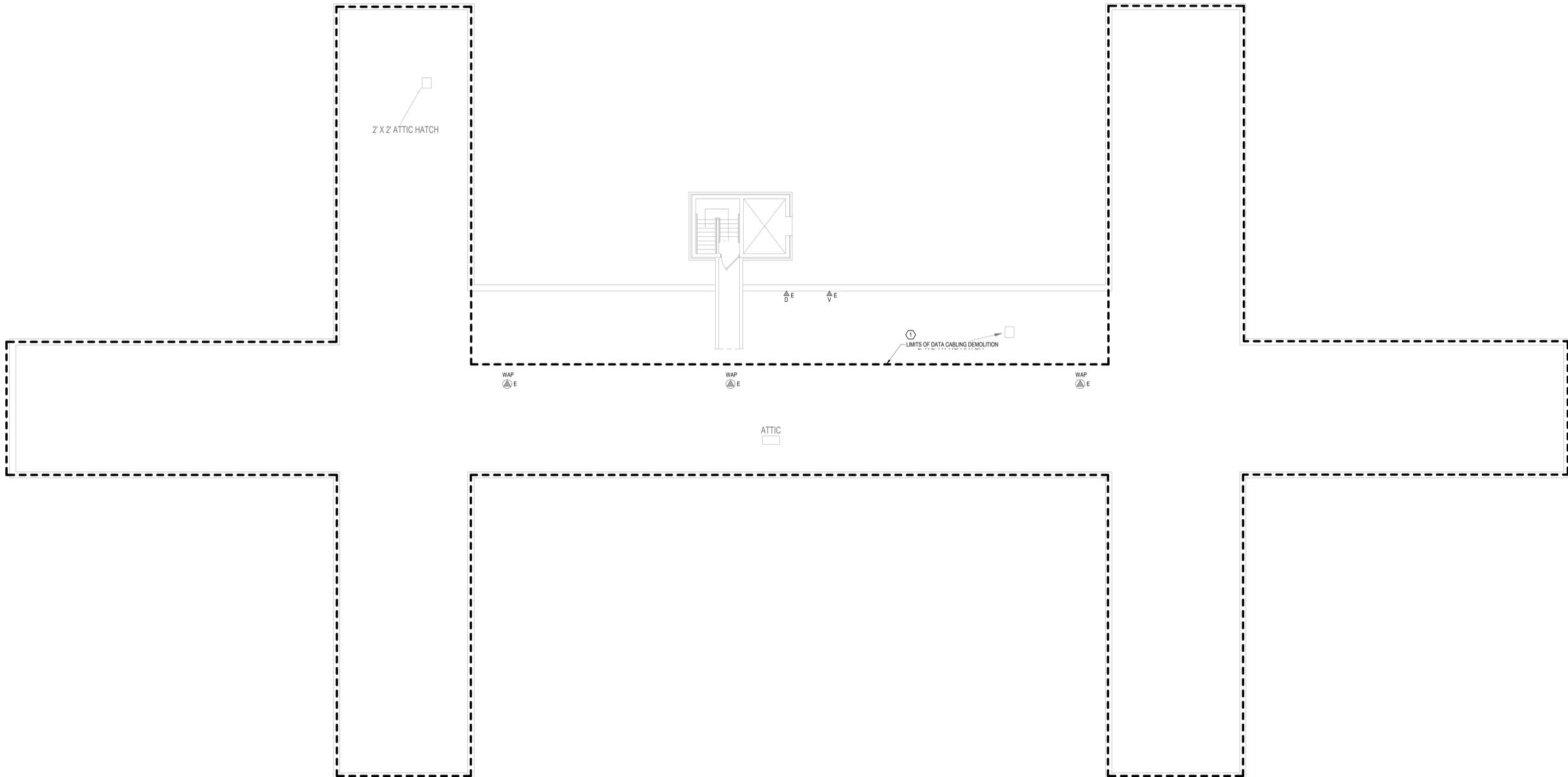
VA

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

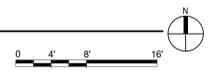
GENERAL NOTES:
 A. REFER TO GENERAL DEMOLITION NOTES ON SHEET T000 FOR ADDITIONAL DEMOLITION SCOPE.

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



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 BICS1 ID # 346555
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 Nathan M. Timm

DRAWING TITLE
 THIRD FLOOR PLAN - TELECOM - DEMOLITION

PROJECT TITLE
 EHRM INFRASTRUCTURE UPGRADES

DATE
 03/30/2022

PLOT SCALE
 656-21-235

BUILDING No.
 2

CHECKED BY
 KSB

DRAWN BY
 SSK

DRAWING NO.
 2-TD130

LOCATION
 VA MEDICAL CENTER
 ST. CLOUD, MN 56303

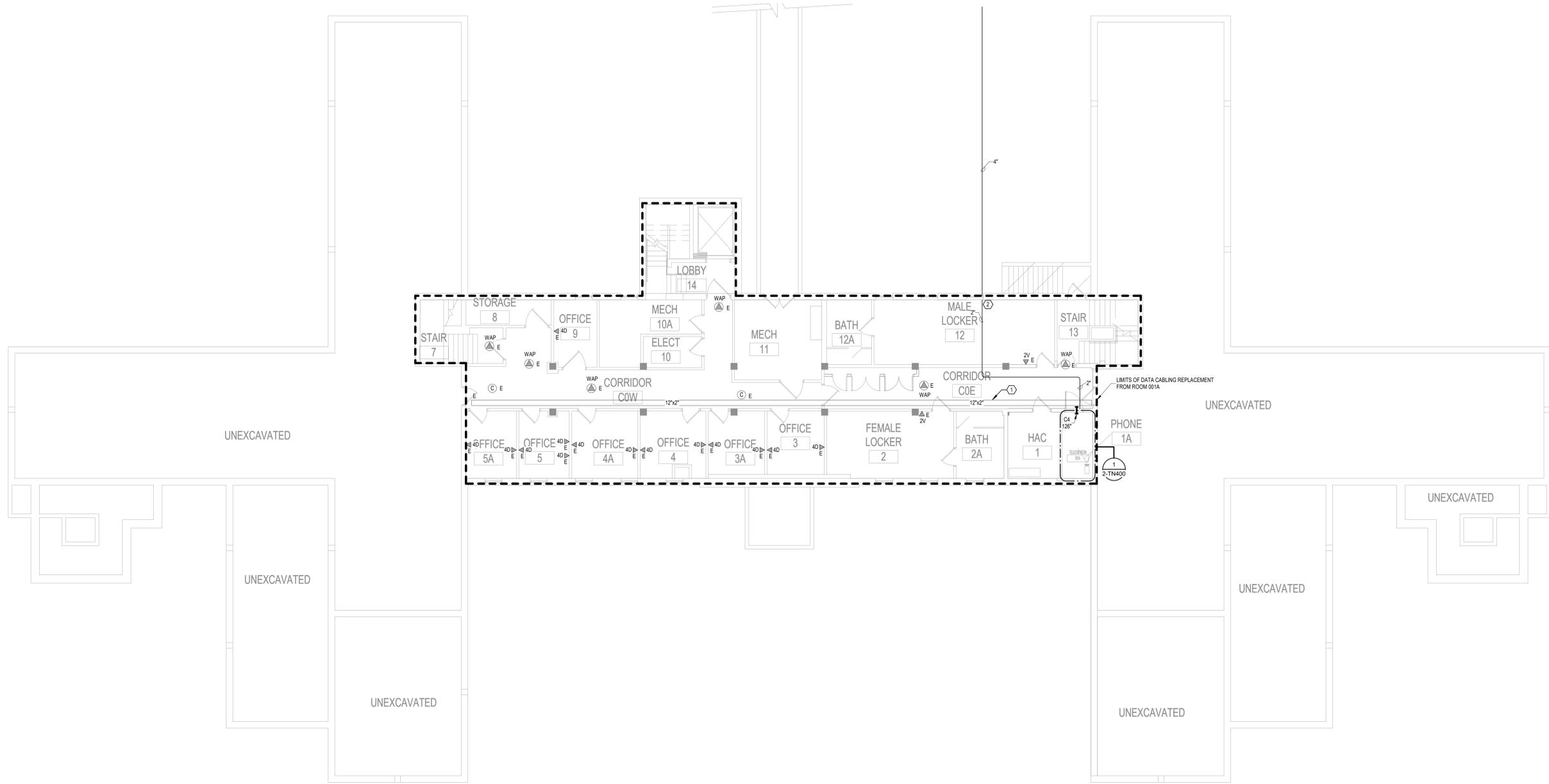
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DWG. OF

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

GENERAL NOTES:
A. REFER TO GENERAL 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 EXTEND CONDUIT PATHWAY TO THE NEW TELECOM ROOM.



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



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BICS1 ID # 346555
Expires 12-31-24

DRAWING TITLE

BASEMENT FLOOR PLAN - TELECOMMUNICATIONS

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

DRAWN BY
SSK

CHECKED BY
KSB

PROJECT NO.
2-TN100

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

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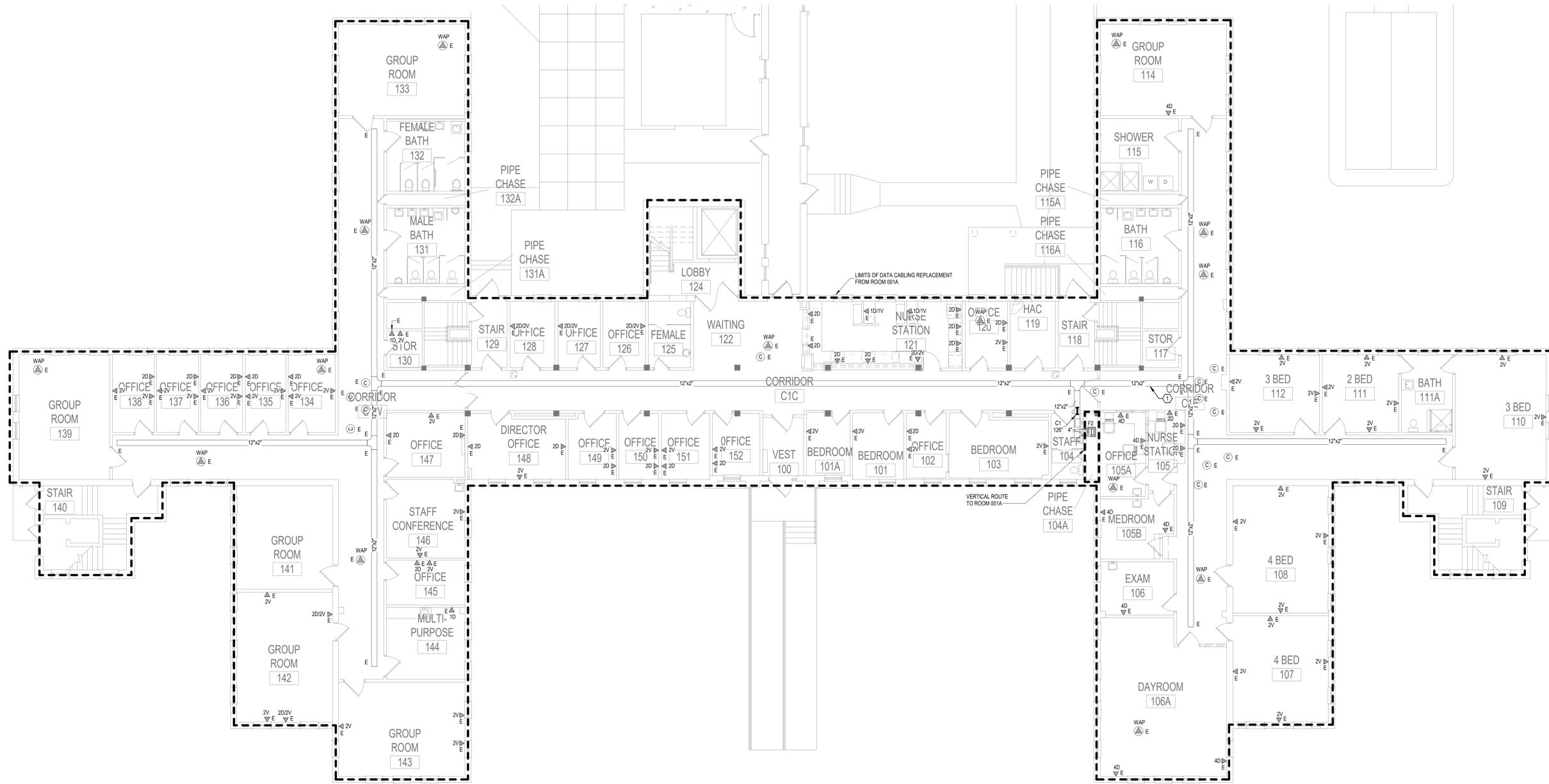
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VA

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

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

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 Nathan Timm
 BICS1 ID # 346555
 Expires 12-31-24
 Registered Communications Distributor

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.
 2-TN110

BUILDING NO.
 2

CHECKED BY
 KSB

DRAWN BY
 SSK

LOCATION
 VA MEDICAL CENTER
 ST. CLOUD, MN 56303

FULLY SPRINKLERED

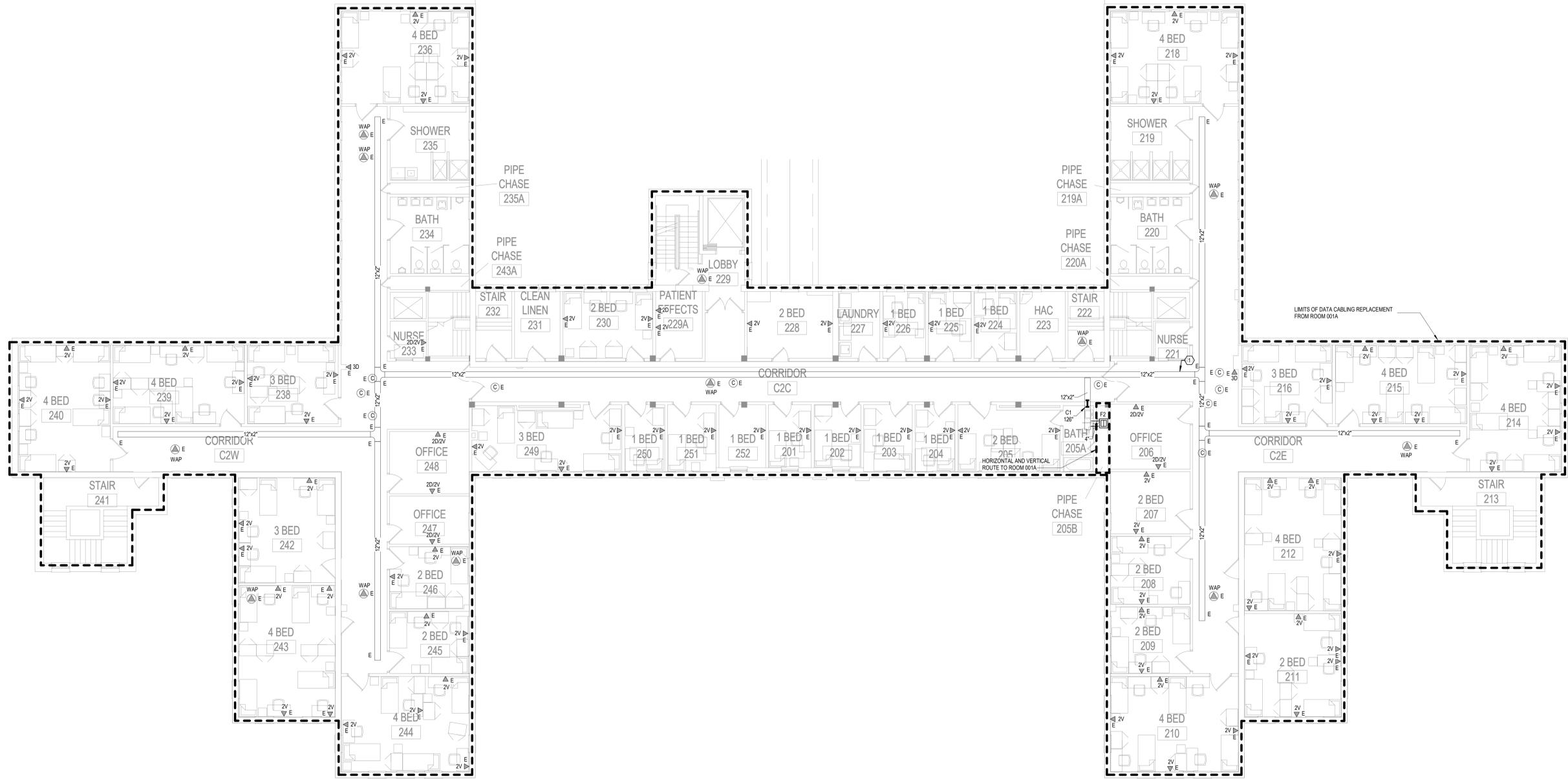
DWG. OF

VA

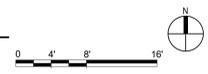
U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System

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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STAMP

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

DRAWING TITLE
 SECOND FLOOR PLAN - TELECOMMUNICATIONS

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
 2-TN120

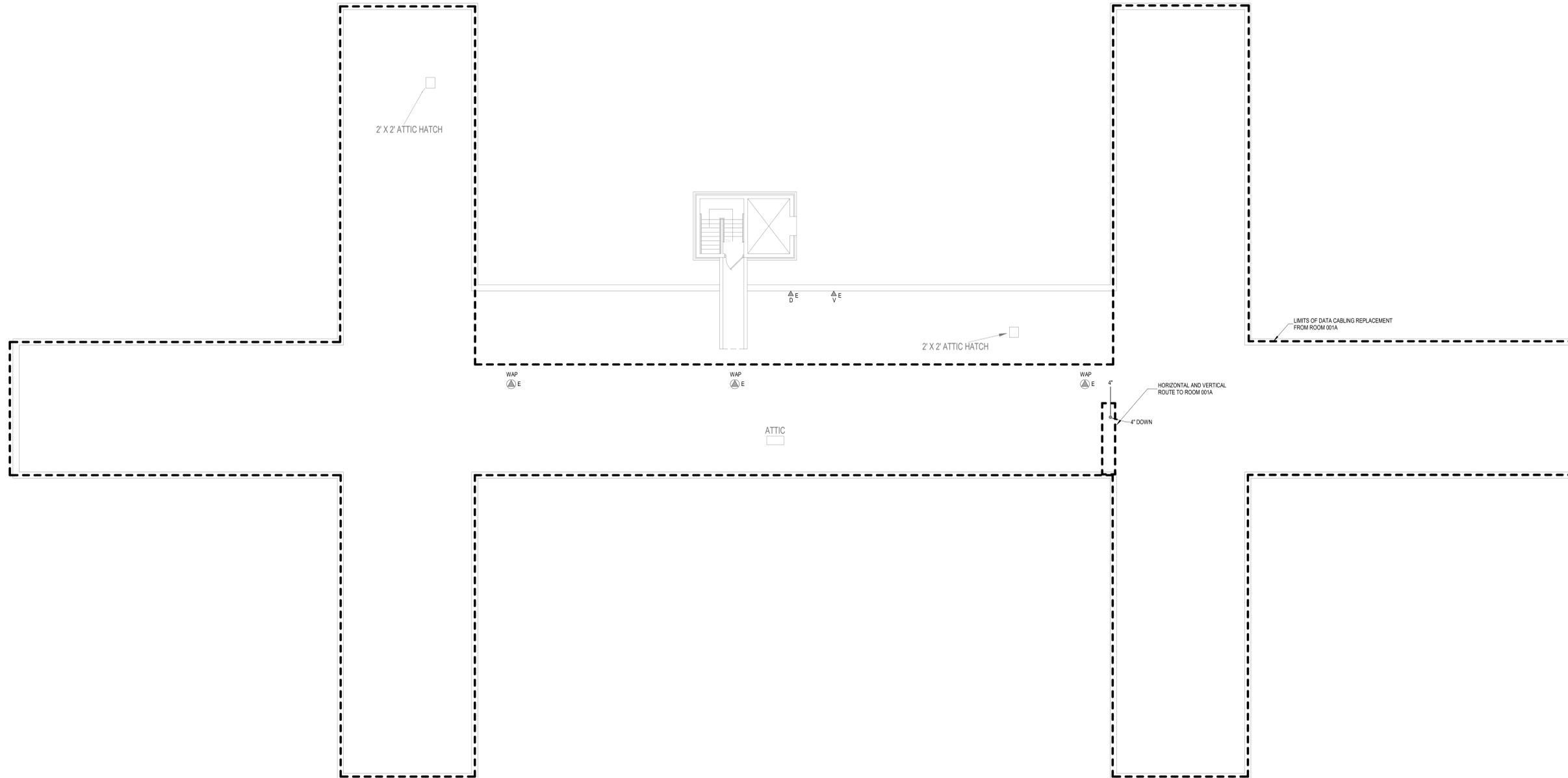
LOCATION
 VA MEDICAL CENTER ST. CLOUD, MN 56303

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 1000 FOR ADDITIONAL SCOPE.



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



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No.	REVISION	DATE

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

DRAWING TITLE

THIRD FLOOR PLAN - TELECOMMUNICATIONS

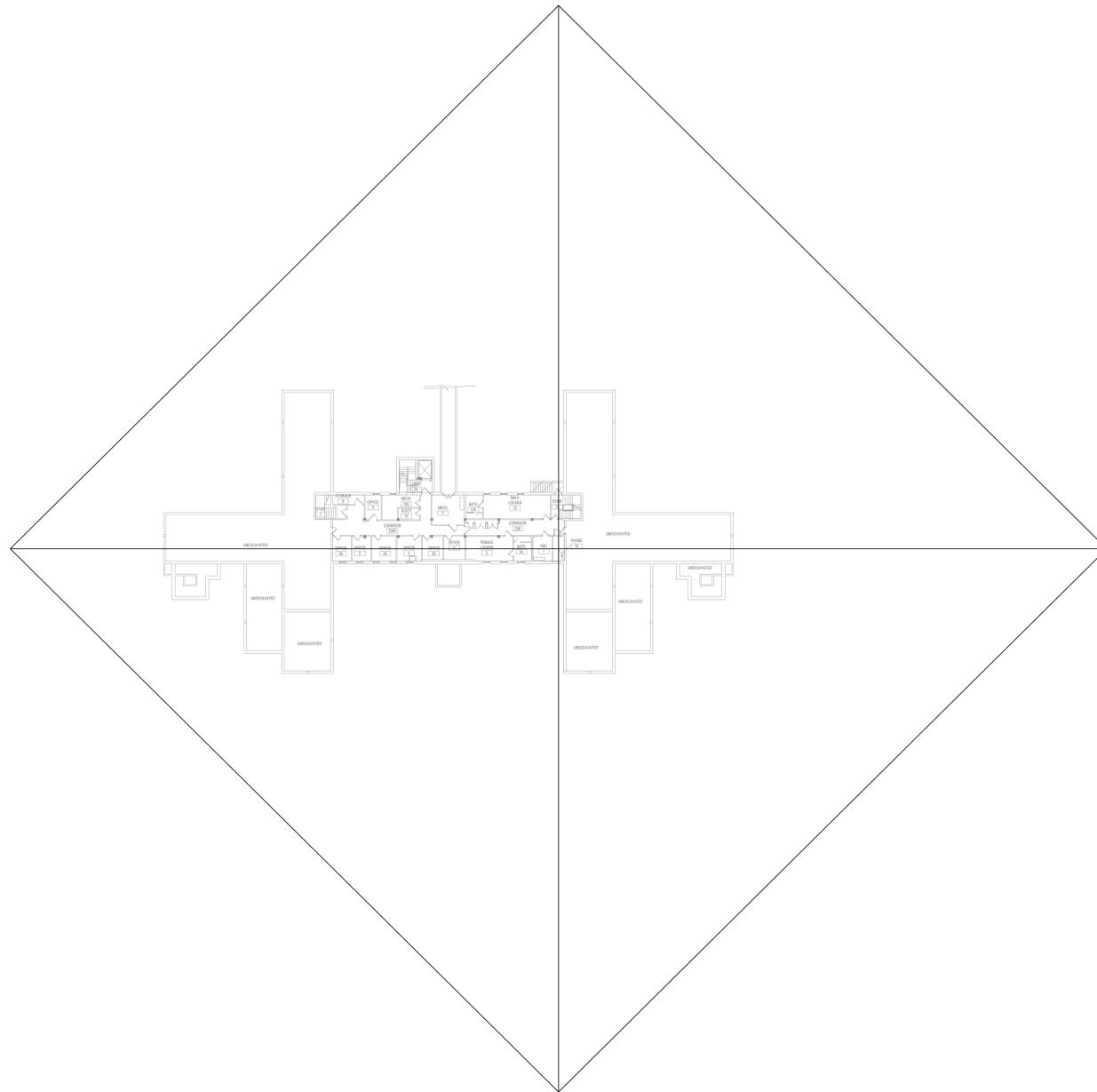
PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

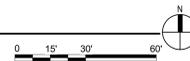
DATE: 03/30/2022
PLOT SCALE:
PROJECT NO: 656-21-235
DRAWING NO: 2-TN130

BUILDING No: 2
CHECKED BY: KSB
DRAWN BY: SSK
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
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DWS OF

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Veterans Health Administration
St. Cloud VA Health Care System



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



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Anderson Engineering of Minnesota, LLC | Proj # 16305

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DRAWING TITLE
BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

DRAWING NO.
2-TN200

BUILDING NO.
2

CHECKED BY
KSB

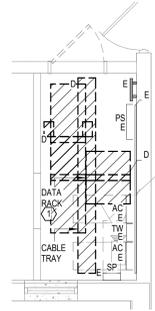
DRAWN BY
SSK

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 ENLARGED PLAN - EXIST RM 001A - TELECOM - 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 REPEATED 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.

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 001A

EXISTING CABLE COUNT
DATA (CAT6): 0
DATA (CAT5e): 251
DATA (CAT5): 0
DATA (CAT3): 0

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

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

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

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No.	REVISION	DATE

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Anderson Engineering of Minnesota, LLC | Proj # 16305

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Nathan Timm
BICS1 ID # 346555
Exp. 12-31-24

DRAWING TITLE

ENLARGED PLAN - TELECOMMUNICATIONS - DEMO

PROJECT TITLE

EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

DRAWING NO.
2-TN300

BUILDING NO.
2

CHECKED BY
KSB

DRAWN BY
SSK

LOCATION
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ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF




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Veterans Health Administration
St. Cloud VA Health Care System

1 2 3 4 5 6 7 8 9 10

A

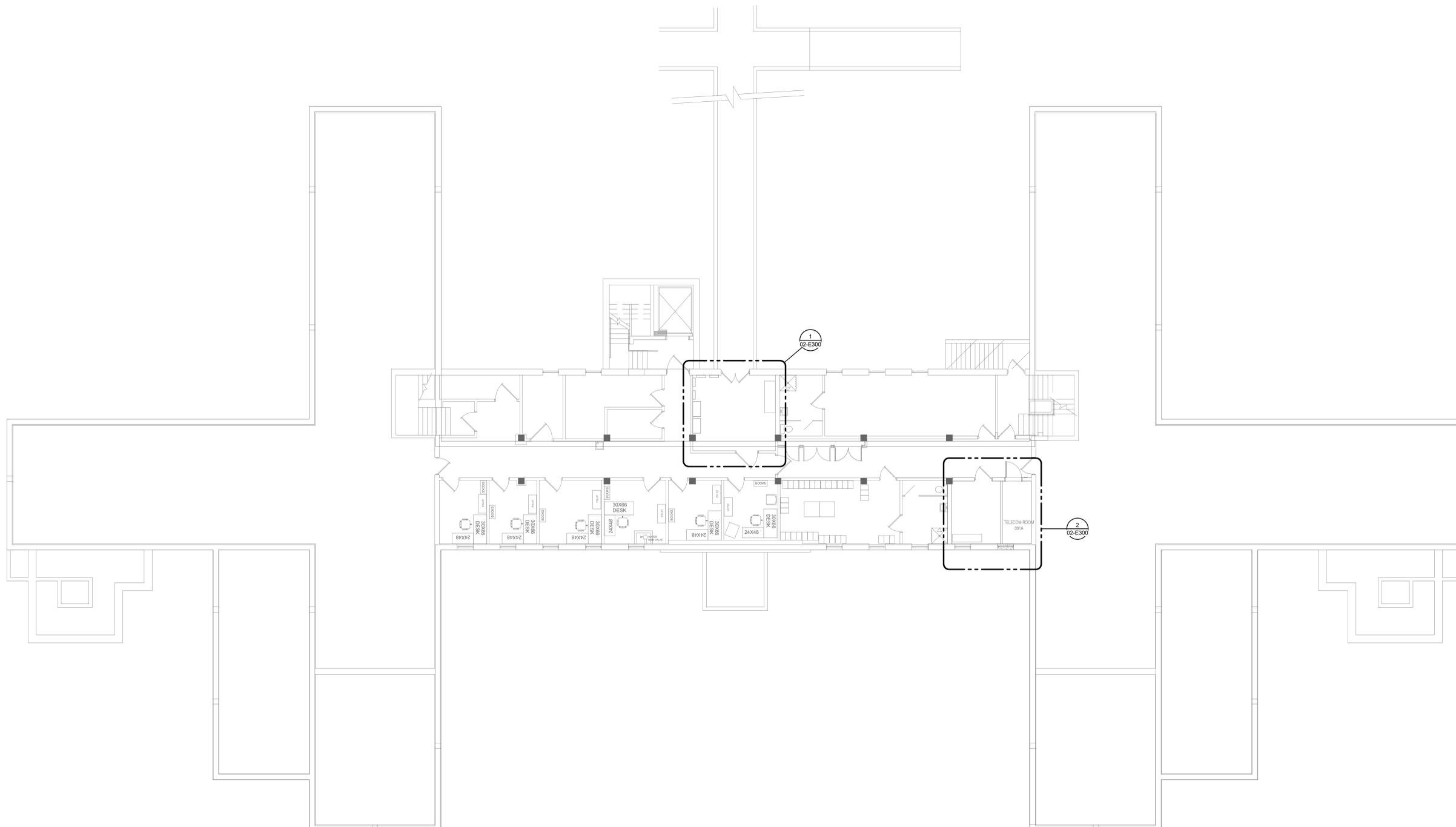
B

C

D

E

F



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



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1	100% CD	03/30

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Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

Professional Engineer Seal for Anderson Engineering of Minnesota, LLC, dated 05-06-2022.

DRAWING TITLE
BASEMENT FLOOR PLAN - ELECTRICAL

PROJECT TITLE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
PROJECT NO: 656-21-235
DRAWING NO: 02-E200

BUILDING No
2

CHECKED BY
TBD

DRAWN BY
GJL

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF

VA

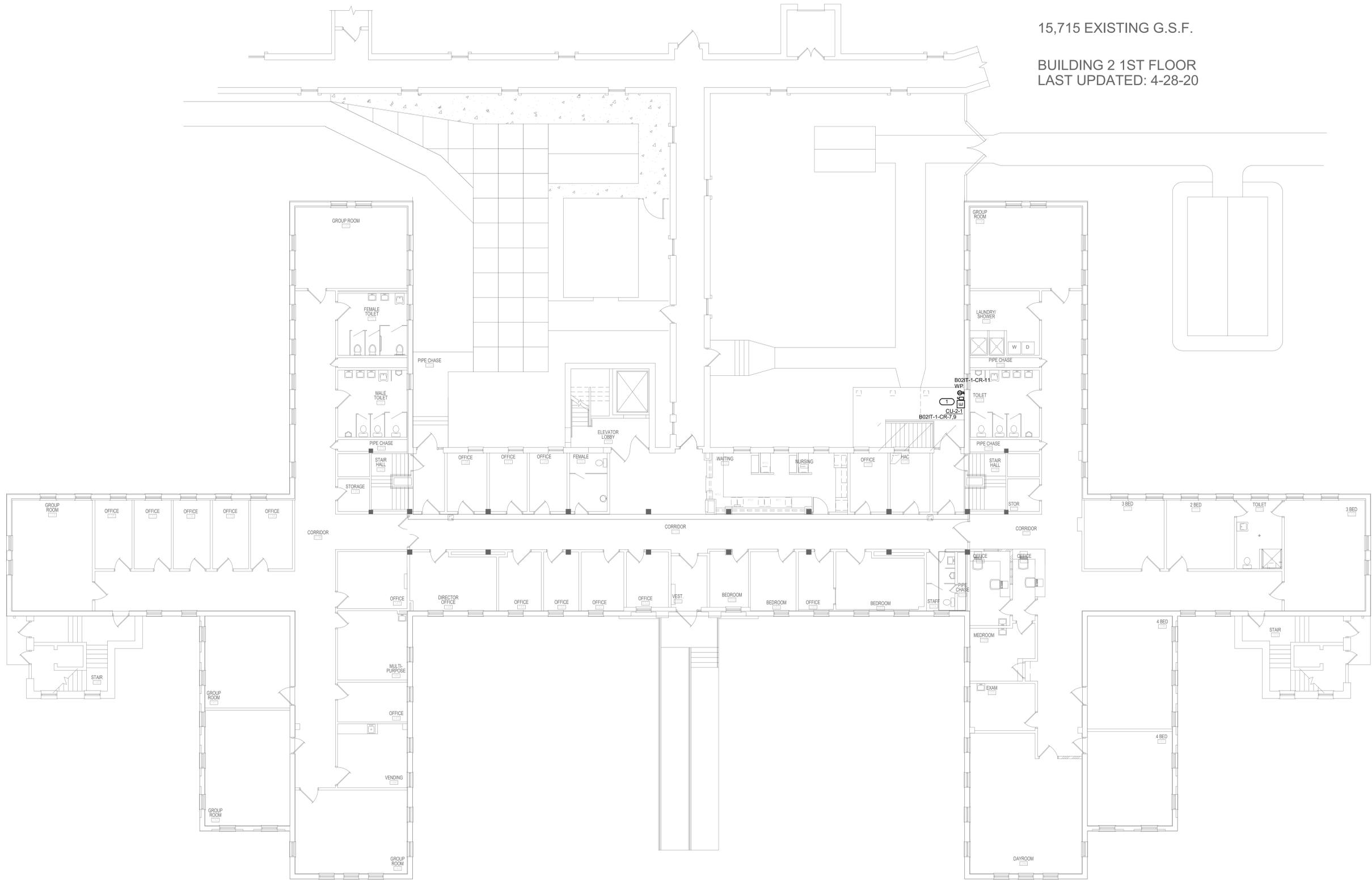
U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

15,715 EXISTING G.S.F.

BUILDING 2 1ST FLOOR
LAST UPDATED: 4-28-20

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

5/8/2022 9:24:30 AM
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1 FIRST FLOOR PLAN - ELECTRICAL
1/8" = 1'-0"



No.	REVISION	DATE
1	100% CD	03/30

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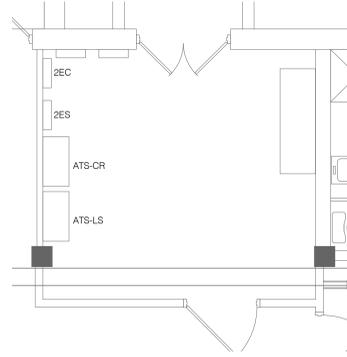
STAMP

DRAWING TITLE		PROJECT FILE	DATE
FIRST FLOOR PLAN - ELECTRICAL		EHRM INFRASTRUCTURE UPGRADES	03/30/2022
BUILDING No.	CHECKED BY	DRAWN	DRAWING NO.
2	TBD	GJL	02-E201
LOCATION		SCALE	DATE
VA MEDICAL CENTER ST. CLOUD, MN 56303		FULLY SPRINKLERED	03/30/2022

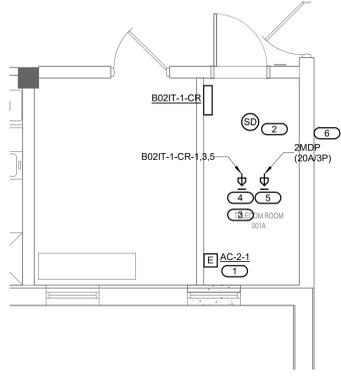
VA

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: (#)**
- INDOOR UNIT TO BE POWERED BY OUTDOOR UNIT. COORDINATE EXACT LOCATION WITH M.C.
 - CONNECT SMOKE DETECTOR TO NEAREST EXISTING SLG.
 - COORDINATE FINAL LOCATION OF RECEPTACLE L21-20R WITH TELECOM CONTRACTOR. PROVIDE 3/4" C-#12, #12 GND TO PANEL FOR EACH RECEPTACLE.
 - PROVIDE EATON BLADEUPS, 5KW, 120/208V, 3-PHASE, 4-WIRE RACK MOUNTED UPS FOR EACH RACK TOWER.
 - PROVIDE APO8AP98S1 RPDU RACK PDU 3G WITH L21-20P CORD, (120/208V, 3-PHASE, 20A, ZERO U, 5.7 KW, 208V, (36) C13 (6) C19 (2) 5-20R OUTLETS. PROVIDE TWO PER RACK, MOUNTED PER MANUFACTURER'S REQUIREMENTS.
 - VERIFY EXACT CIRCUIT AVAILABILITY IN PANEL AND REARRANGE BREAKERS TO ALLOW 3 CONSECUTIVE SPACES.



BASEMENT ENLARGED - ELECTRICAL - MECH 11
 1/4" = 1'-0"
 0 2' 4' 8'



BASEMENT ENLARGED - 001A - POWER AND SYSTEM
 1/4" = 1'-0"
 0 2' 4' 8'

BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-B02_E_R21.dwg 5/8/2022 9:24:31 AM

No.	REVISION	DATE
100% CD		03/30

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REGISTERED PROFESSIONAL ENGINEER
 STATE OF MINNESOTA
 05-06-2022

DRAWING TITLE		PROJECT TITLE		DATE	
ELECTRICAL ENLARGED PLANS		EHRM INFRASTRUCTURE UPGRADES		03/30/2022	
		PROJECT NO.		PLANT SCALE	
		656-21-235			
BUILDING No.	CHECKED BY	DRAWN	DRAWING NO.		
2	TBD	GJL	02-E300		
LOCATION		FULLY SPRINKLERED		DWG. OF	
VA MEDICAL CENTER ST. CLOUD, MN 56303					

VA

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

KEYNOTES: (#)
 1. REMOVE EXISTING 20A/3P SPARE CIRCUIT BREAKER AND INSTALL NEW 60A/3P CIRCUIT BREAKER TO MATCH EXISTING TYPE AND AIC RATING.

PANEL B02IT-1-CR

MOUNTING: SURFACE
 ENCLOSURE: NEMA PB 1
 FED FROM: 2EC
 LOCATION:

SOLID NEUTRAL GROUND BUS

MAIN: 60 A MCB
 VOLTS: 120/208 Wye
 PHASE: 3
 WIRE: 4
 SCCR: 10 kA

NOTES:

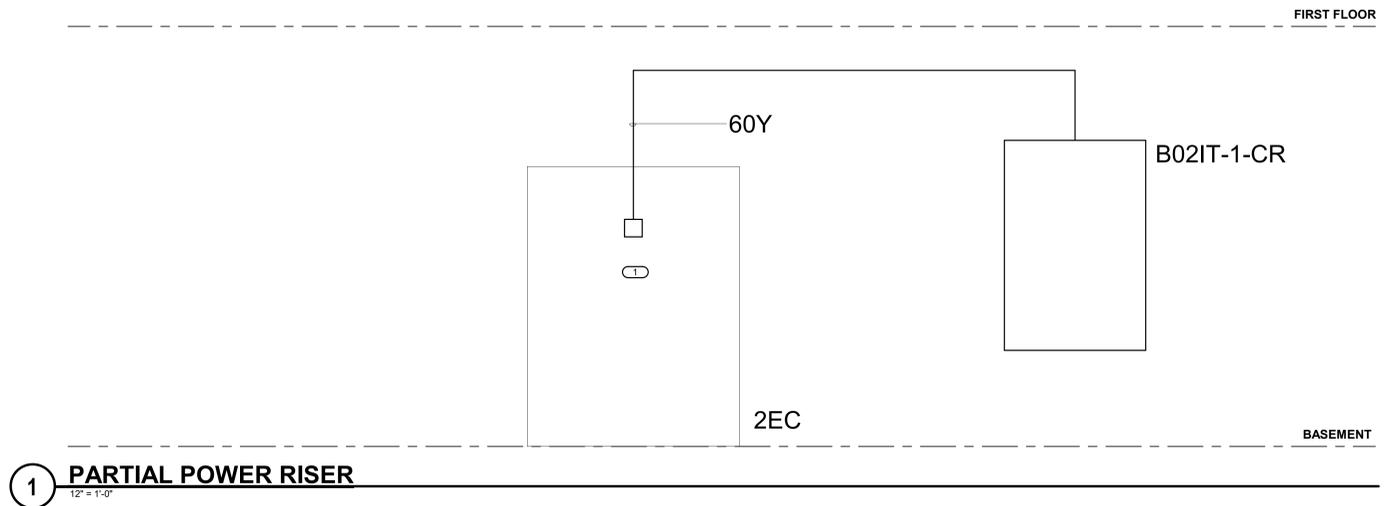
KEY	CKT NO.	LOAD DESCRIPTION	OCPD			WIRE SIZE			A	B	C	WIRE SIZE			OCPD	LOAD DESCRIPTION	CKT NO.	KEY
			AMPS	P	H	N	G	G				N	H	P				
	1	L21-20R RACK	20 A	3				1.67	0						1 20 A SPARE	2		
	3								1.67	0					1 20 A SPARE	4		
	5									1.67	0				1 20 A SPARE	6		
	7	CU-2-1	20 A	2				1	0						1 20 A SPARE	8		
	9														1 20 A SPARE	10		
	11	WP GFI REC	20 A	1						0.18	0				1 20 A SPARE	12		
	13	SPARE	20 A	1				0	0						1 20 A SPARE	14		
	15	SPARE	20 A	1					0	0					1 20 A SPARE	16		
	17	SPARE	20 A	1						0	0				1 20 A SPARE	18		
	19	SPARE	20 A	1				0	0						1 20 A SPARE	20		
	21	SPARE	20 A	1				0	0						1 20 A SPARE	22		
	23	SPARE	20 A	1					0	0					1 20 A SPARE	24		
	25	SPARE	20 A	1				0	0						1 20 A SPARE	26		
	27	SPARE	20 A	1						0	0				1 20 A SPARE	28		
	29	SPARE	20 A	1							0	0			1 20 A SPARE	30		
			Total Load:			2.67 kVA		2.67 kVA		1.85 kVA								
			Total Amps:			23.27		23.27		15.39								

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS*
Power	7 kVA	100.00%	7 kVA	
Receptacles	0.18 kVA	100.00%	0.18 kVA	
				TOTAL CONNECTED LOAD: 7.18 kVA
				TOTAL ESTIMATED DEMAND LOAD: 7.18 kVA
				TOTAL CONNECTED AMPS: 19.93 A
				TOTAL ESTIMATED DEMAND AMPS: 19.9 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:



5/8/2022 9:24:32 AM

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No.	100% CD	REVISION	03/30	DATE
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LETTED PROFESSIONAL ENGINEER
53095
05-06-2022

DRAWING TITLE

ELECTRICAL DIAGRAMS & SCHEDULE

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
 PLOT SCALE:
 PROJECT NO: 656-21-235
 DRAWING NO: 02-E400

BUILDING No: 2
 CHECKED BY: TBD
 DRAWN BY: G.J.L.
 FULLY SPRINKLERED

LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303

VA

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

3/28/2022 11:51:05 AM

PANEL B02IT-1-CR

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 2EC
LOCATION:

**SOLID NEUTRAL
GROUND BUS**

MAIN: 60 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	WIRE SIZE			A	B	C	WIRE SIZE			OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
				H	N	G				H	N	P				
	1	L21-20R RACK	20 A	3			1.67	0							2	
--	3		--	--	--	--		1.67	0				1 20 A	SPARE	4	--
--	5		--	--	--	--		1.67	0				1 20 A	SPARE	6	--
	7	CU-2-1	20 A	2			1	0					1 20 A	SPARE	8	
--	9		--	--	--	--		1	0				1 20 A	SPARE	10	--
	11	WP GFI REC	20 A	1					0.18	0			1 20 A	SPARE	12	
--	13	SPARE	20 A	1			0	0					1 20 A	SPARE	14	--
--	15	SPARE	20 A	1				0	0				1 20 A	SPARE	16	--
--	17	SPARE	20 A	1					0	0			1 20 A	SPARE	18	--
--	19	SPARE	20 A	1			0	0					1 20 A	SPARE	20	--
--	21	SPARE	20 A	1				0	0				1 20 A	SPARE	22	--
--	23	SPARE	20 A	1					0	0			1 20 A	SPARE	24	--
--	25	SPARE	20 A	1			0	0					1 20 A	SPARE	26	--
--	27	SPARE	20 A	1					0	0			1 20 A	SPARE	28	--
--	29	SPARE	20 A	1						0	0		1 20 A	SPARE	30	--
			Total Load:			2.67 kVA	2.67 kVA	1.85 kVA								
			Total Amps:			23.27	23.27	15.39								

LOAD SUMMARY				TOTALS*	
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		
Power	7 kVA	100.00%	7 kVA		
Receptacles	0.18 kVA	100.00%	0.18 kVA		
				TOTAL CONNECTED LOAD:	7.18 kVA
				TOTAL ESTIMATED DEMAND LOAD:	7.18 kVA
				TOTAL CONNECTED AMPS:	19.93 A
				TOTAL ESTIMATED DEMAND AMPS:	19.9 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

100% CD	03/30
REVISION	DATE

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I hereby certify that the design, 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: MW 133095

DRAWING TITLE

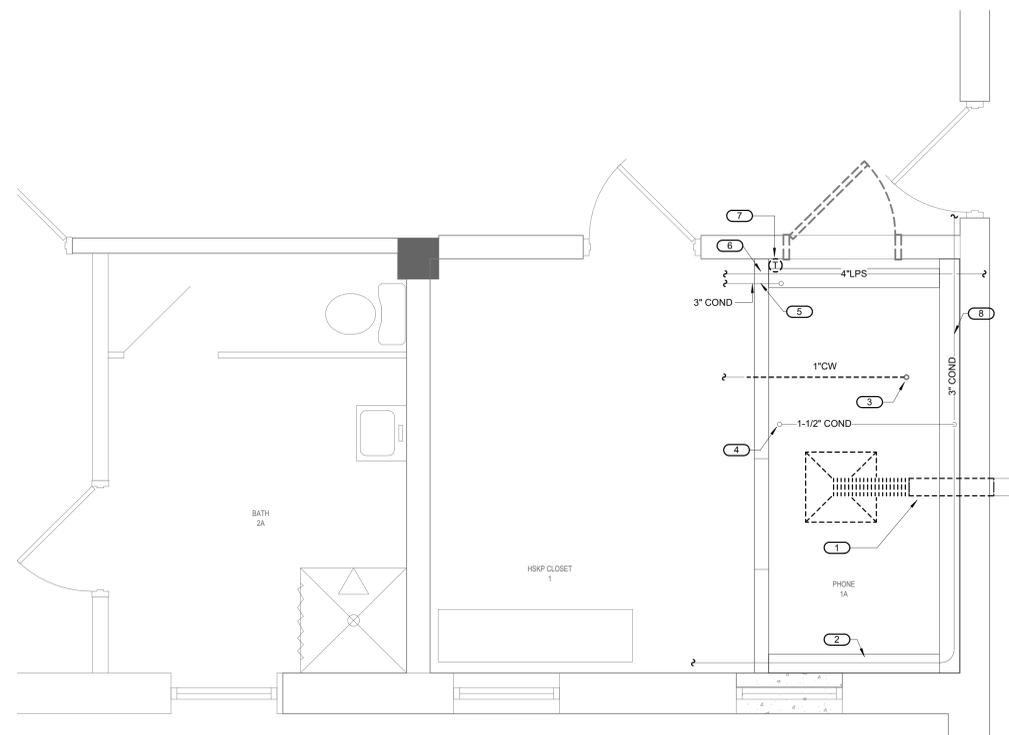
ELECTRICAL SCHEDULES

PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
PLOT SCALE	
PROJECT NO.	656-21-235
DRAWING NO.	02-E500
BUILDING NO.	2
CHECKED BY	TBD
DRAWN BY	GJL
LOCATION	VA MEDICAL CENTER ST. CLOUD, MN 56303
STATUS	FULLY SPRING RLEND
DWG. OF	

U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System

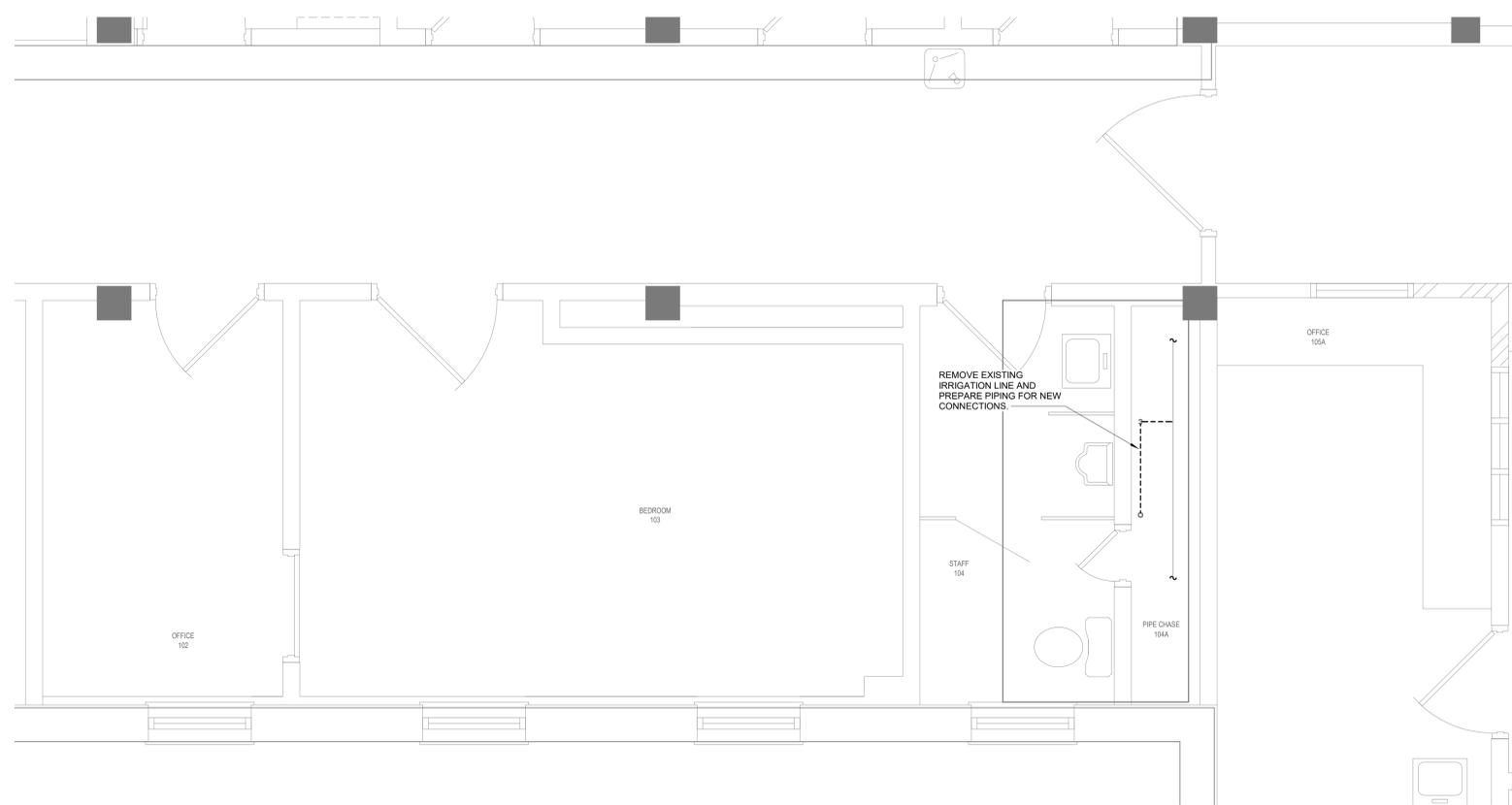
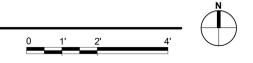
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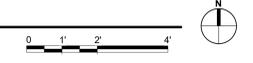
- KEYNOTES 1/02-M100:**
- REMOVE AND DISPOSE OF EXISTING CEILING DIFFUSER AND BRANCH DUCT SECTION IN THIS AREA. CAP DUCT WHERE SHOWN ON PLAN.
 - EXISTING 3" WASTE TO REMAIN.
 - EXISTING 1" IRRIGATION LINE. TO BE REROUTED. SEE SHEET 02-M200 FOR NEW PIPE ROUTING.
 - EXISTING 1-1/2" CONDENSATE TO REMAIN.
 - EXISTING 3/4" DRIP PAN DRAIN LINE TO REMAIN.
 - EXISTING 4" LOW PRESSURE STEAM TO REMAIN.
 - REMOVE AND DISPOSE OF EXISTING THERMOSTAT.
 - EXISTING DRIP PAN TO REMAIN.

- FIELD VERIFICATION NOTES**
- THE HVAC CONTRACTOR SHOULD VISIT THE SITE **PRIOR TO BID** TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED:
 - EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK, WHETHER EXPLICITLY SHOWN OR NOT.
 - SIZE AND LOCATION OF ALL EXISTING DUCTWORK.
 - SIZE AND LOCATION OF ALL EXISTING GRILLES, REGISTERS AND DIFFUSERS.
 - SIZE AND LOCATION OF ALL EXISTING THERMOSTATIC CONTROL DEVICES.
 - SIZE AND LOCATION OF ALL EXISTING PLUMBING AND HYDRONIC PIPING.
 - 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 OF THESE ITEMS PRIOR TO BID AND INCLUDE IN THEIR BID ANY AND ALL AMOUNTS REQUIRED TO ACCOMMODATE EXISTING CONDITIONS.
 - NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
 - ANY DISCREPANCIES WHICH MAY AFFECT THE CONTRACTORS BID SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT FOR DIRECTION.

1 BASEMENT DEMOLITION - MECHANICAL - TELECOM 001A
1/2" = 1'-0"



2 FIRST FLOOR DEMOLITION - MECHANICAL
1/2" = 1'-0"



100% CD	03/28
REVISION	DATE

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STAM

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

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

DRAWING TITLE

BASEMENT AND FIRST FLOOR DEMOLITION - MECHANICAL

PROJECT FILE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
PLOT SCALE	
PROJECT NO.	656-21-235
DRAWING NO.	02-M100
BUILDING NO.	2
CHECKED BY	RDL
DRAWN BY	DJC
LOCATION	VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED	

U.S. Department of Veterans Affairs

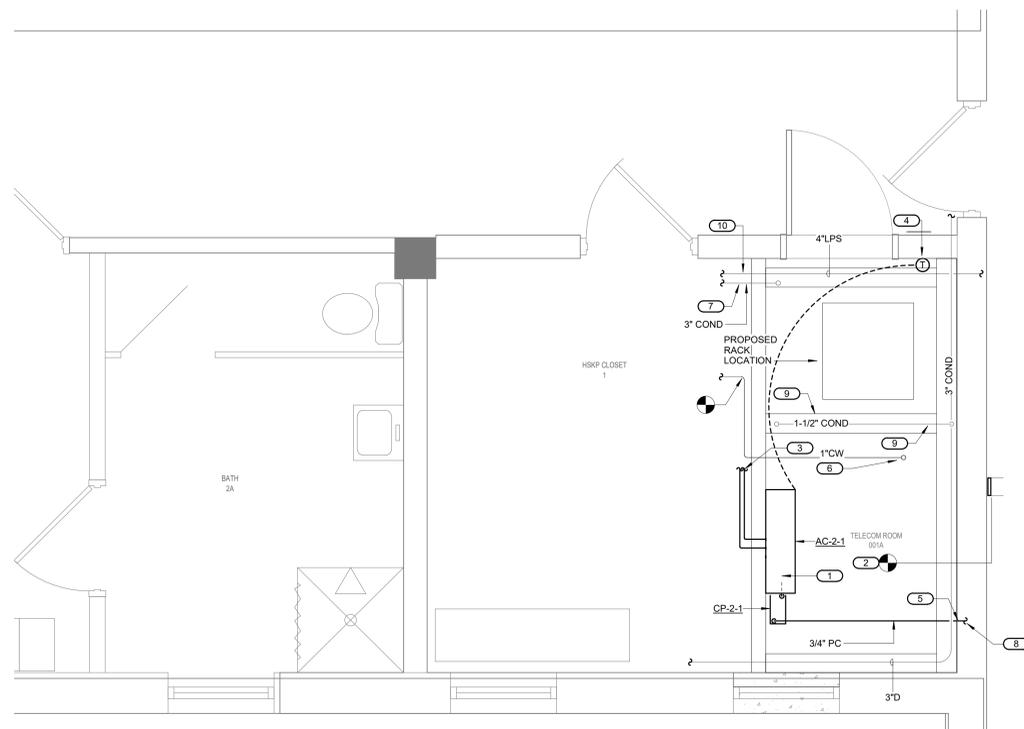
Veterans Health Administration
St. Cloud VA Health Care System

FIELD VERIFICATION NOTES

1. THE HVAC CONTRACTOR SHOULD VISIT THE SITE **PRIOR TO BID** TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED:
 - A. EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK, WHETHER EXPLICITLY SHOWN OR NOT.
 - B. SIZE AND LOCATION OF ALL EXISTING DUCTWORK.
 - C. SIZE AND LOCATION OF ALL EXISTING GRILLES, REGISTERS AND DIFFUSERS.
 - D. SIZE AND LOCATION OF ALL EXISTING THERMOSTATIC CONTROL DEVICES.
 - E. SIZE AND LOCATION OF ALL EXISTING PLUMBING AND HYDRONIC PIPING.
2. ALL REFERENCES ON THESE DRAWINGS TO EXISTING EQUIPMENT, DUCTWORK, DIFFUSERS, THERMOSTATS AND PIPING ARE FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL OF 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 102-M200:

1. NEW WALL-MOUNTED DUCTLESS COOLING UNIT AC-2-1.
2. CAP SUPPLY AIR DUCT IN THIS AREA.
3. ROUTE NEW REFRIGERANT PIPING UP TO GRADE LEVEL - SEE SHEET 02-M201 FOR CONTINUATION.
4. PROVIDE NEW THERMOSTAT.
5. ROUTE NEW CONDENSATE DRAIN PIPING TO FLOOR DRAIN IN MECH A10. APPROXIMATELY 100 FT TO THE WEST. FIELD VERIFY EXACT ROUTING.
6. REROUTED 1" IRRIGATION LINE. FIELD VERIFY REQUIREMENTS.
7. EXISTING DRIP PAN AND DRAIN LINE TO REMAIN.
8. PROVIDE NEW CONDENSATE DRAIN PAN FOR ALL CONDENSATE PIPING. SEE DETAIL 60-GM400 FOR REQUIREMENTS.
9. EXISTING 1 1/2" CONDENSATE DRAIN LINE.
10. EXISTING 4" LOW PRESSURE STEAM TO REMAIN.



1 BASEMENT FLOOR - MECHANICAL- TELECOM 001A
1/2" = 1'-0"



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100% CD	03/28
No	REVISION DATE

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

DRAWING TITLE

BASEMENT FLOOR REMODEL - MECHANICAL

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

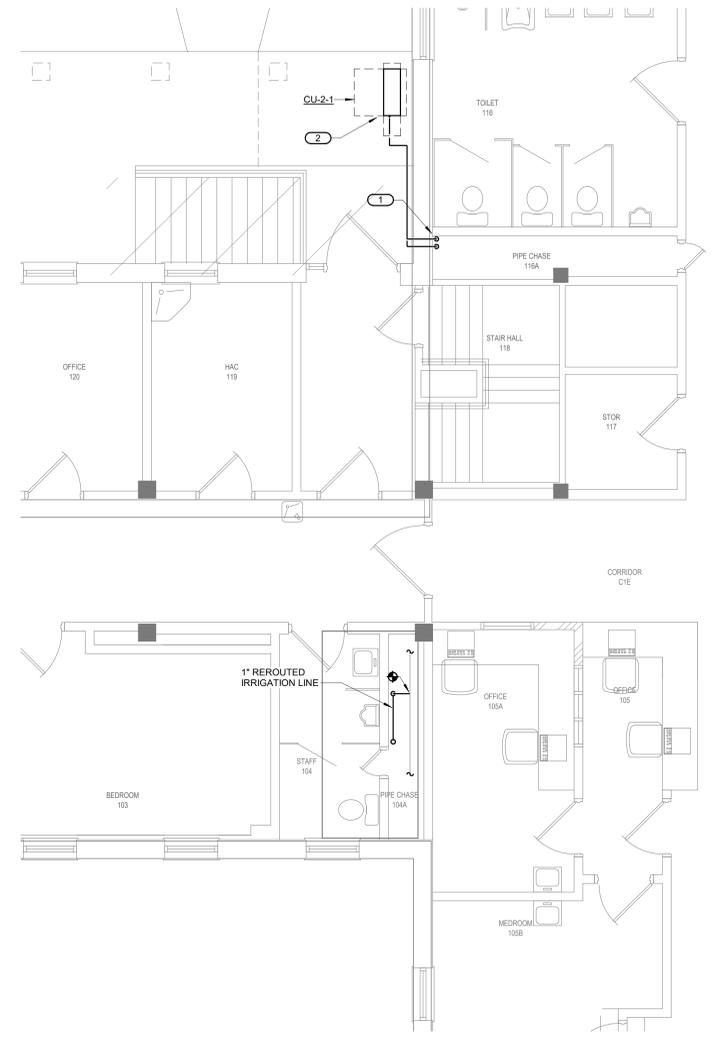
DATE: 03/30/2022
PLOT SCALE:
PROJECT NO: 656-21-235
BUILDING NO: 2
CHECKED BY: RDL
DRAWN BY: DJC
DRAWING NO: 02-M200
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED
DWG. OF

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

FIELD VERIFICATION NOTES

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3. NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
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- KEYNOTES 1/02-M201:**
1. ROUTE REFRIGERANT PIPING DOWN TO BASEMENT LEVEL - THRU PIPE CHASE 116 AND UNEXCAVATED SPACE TO EVAPORATOR UNIT AC-2-1 IN TELECOM 001A, APPROXIMATELY 45 FEET. REFER TO 3/0-GM401 FOR EXTERIOR PIPING PENETRATION DETAIL.
 2. REFER TO 3/0-GM400 FOR UNIT MOUNTING DETAIL. REFER TO 1/0-GM400 FOR UNIT PIPING.



1 FIRST FLOOR - MECHANICAL - TELECOM 001A - CONDENSING UNIT
 1/4" = 1'-0"

5/11/2022 8:02:54 PM BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades/656-235/B02.M_R21.rvt

100% CD	03/28
No	REVISION DATE

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STAM

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Name:

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

DRAWING TITLE
FIRST FLOOR REMODEL - MECHANICAL

PROJECT FILE EHRM INFRASTRUCTURE UPGRADES	DATE 03/30/2022
BUILDING No 2	CHECKED BY RDL
DRAWN BY DJC	DRAWING No 02-M201
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	STATUS FULLY SPRINKLERED

DWG. OF

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