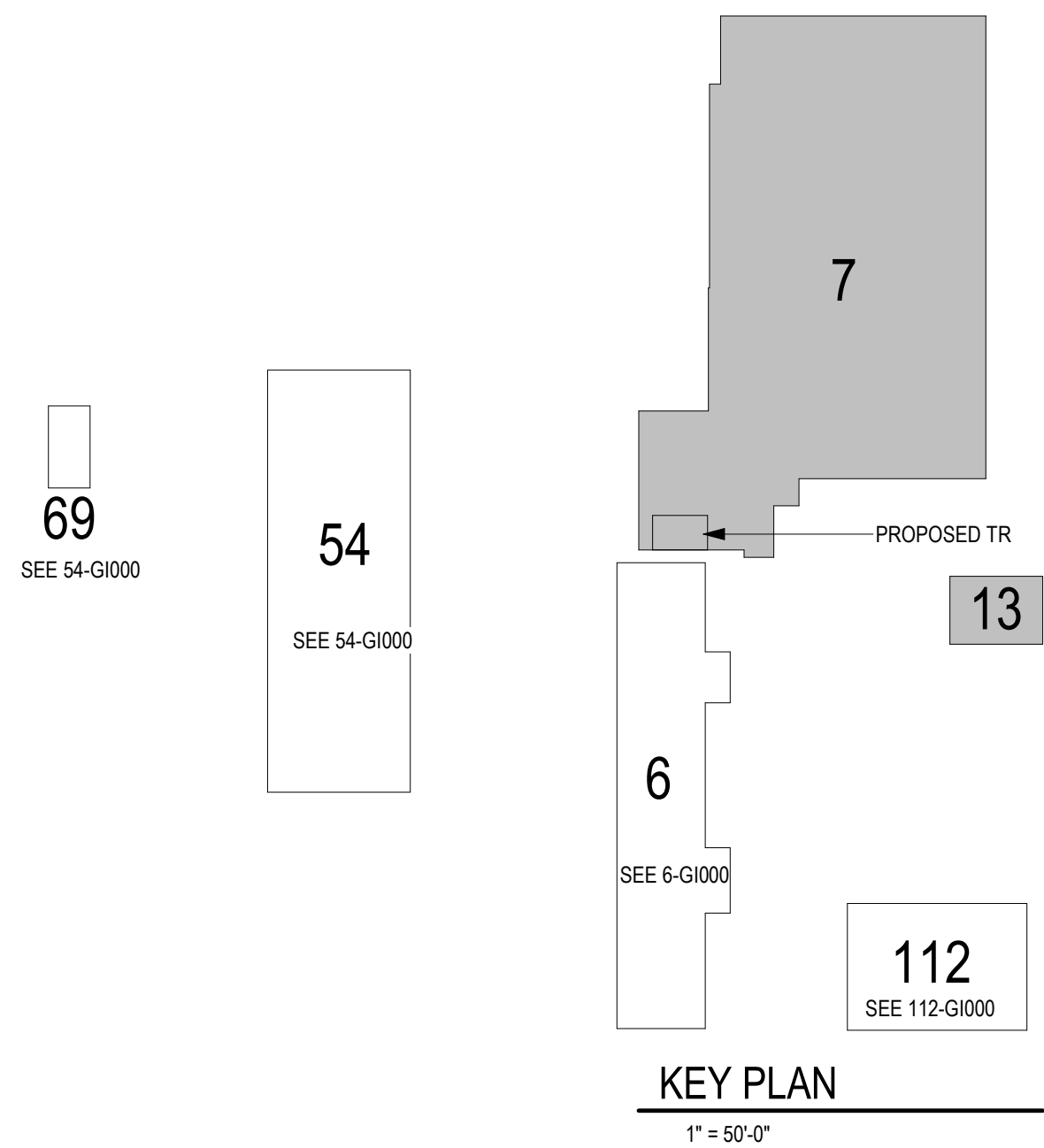


BUILDINGS 7 AND 13 - EHRM INFRASTRUCTURE UPGRADES

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@vaicint.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
ADDRESS: 13605 1ST AVE NORTH, SUITE 100
PLYMOUTH, MN 55441

CONTACT: EDWARD MARKFORT
PHONE: 763-412-4000

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

CONTACT: ZACHARY CRAIG
PHONE: 952-854-9302

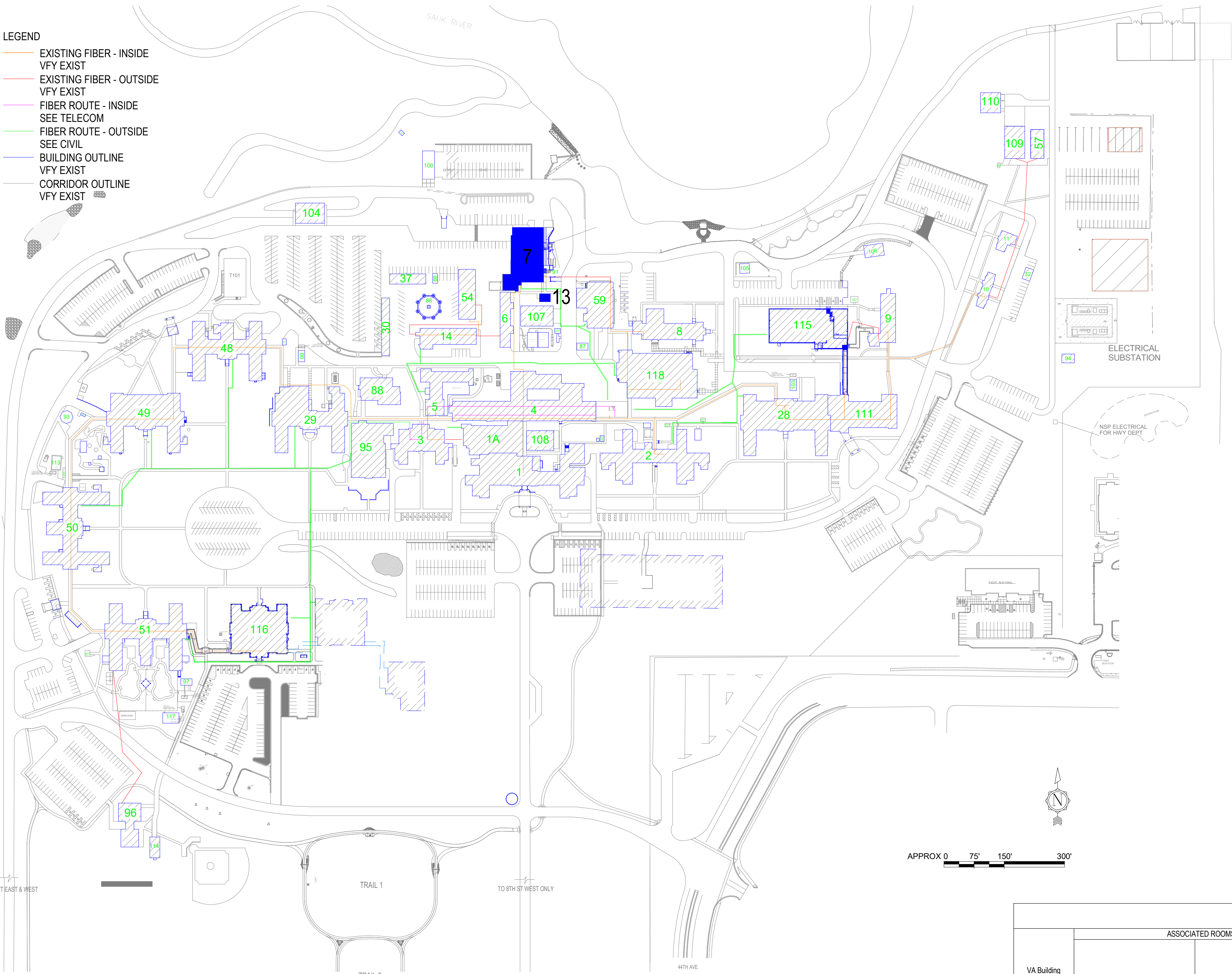
TELECOMMUNICATIONS ENGINEER:
NAME: SPECIALIZED ENGINEERING SOLUTIONS
ADDRESS: 10360 ELLISON CIRCLE
OMAHA, NE 68134

CONTACT: KRIS BURNHAM
PHONE: 402-991-5520

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

CONTACT: KRIS BURNHAM
PHONE: 402-991-5520

VICINITY MAP:



SHEET INDEX - BUILDING 7 & 13	
SHEET NO.	SHEET TITLE
7-G1000	BUILDINGS 7 & 13 COVER SHEET & SHEET INDEX
7-G1001	FIRST FLOOR LIFE SAFETY PLAN
7-G1111	FIRST FLOOR - INFECTION CONTROL & PHASING PLAN
7-HA-1A	REFERENCE - FIRST FLOOR ASBESTOS RE-SURVEY
7-HA-2A	REFERENCE - SECOND FLOOR ASBESTOS RE-SURVEY
13-HA-1A	REFERENCE - FIRST FLOOR - ASBESTOS RE-SURVEY
7-A5110	FIRST FLOOR PLANS
7-S110	FIRST FLOOR PLANS
7-TD110	FIRST FLOOR PLAN - TELECOM - DEMOLITION
7-TN110	FIRST FLOOR PLAN - TELECOM - CABLE DISTANCE
7-TN210	FIRST FLOOR PLAN - TELECOM - CABLE DISTANCE
7-TN300	ENLARGED PLANS - TELECOMMUNICATIONS - DEMO
7-TN400	ENLARGED PLANS - TELECOMMUNICATIONS
07-E100	FIRST FLOOR DEMOLITION PLAN - ELECTRICAL
07-E200	FIRST FLOOR DEMOLITION PLAN - ELECTRICAL
07-E300	ELECTRICAL ENLARGED PLANS
07-E500	ELECTRICAL ONE-LINE DIAGRAMS
07-E600	ELECTRICAL SCHEDULES
07-M101	FIRST FLOOR DEMOLITION - MECHANICAL
07-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	HT TO CLG STRUCT
102A	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	103 SF
CONSTRUCT TO EHRM TELECOM ROOM STANDARDS. SEE TELECOM DRAWINGS. CMU PARTITION BLOCK INFILL WINDOWS. INFILL ROOF SMOKE VENTS. FLOOR DRAIN.													
FIRST FLOOR													
102A	PLACEHOLDER BUILDING 13												12 SF
SEE BUILDING 7 FOR TELECOM ROOM. SEE TELECOMMUNICATION DRAWINGS													

HAZARDOUS MATERIAL SCHEDULE				
BUILDING	ROOM NO.	ROOM NAME	QUESTIONABLE HAZARDOUS ELEMENT	POSSIBLE ABATEMENT ACTION
FIRST FLOOR				
7	102A	TELECOM ROOM	ASBESTOS - CONTAINING PIPE INSULATION. SEE 7-HA-1A	NONE. PIPE INSULATION TO REMAIN UNDISTURBED
13	PLACEHOLDER BUILDING 13	ACM. SEE 13-HA-1A	NONE. MATERIAL 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	CONSTRUCTION ZONE / OCCUPIED CONSTR.
FIRST FLOOR	102A	TELECOM ROOM	BOILERHOUSE	TYPE D	GROUP 1	CLASS II/IV	CENTER
FIRST FLOOR	102A	TELECOM ROOM	FACILITIES OFFICE				CENTER
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
FIRST FLOOR	102A	TELECOM ROOM	YES
FIRST FLOOR	102A	PLACEHOLDER BUILDING 13	MASONRY INT. SOUTH MASONRY EXT. NORTH & EAST
SEE GENERAL NOTES SHEET FOR DETAIL. MWP = MEMBRANE WATERPROOFING. MASONRY = FLUID-APPLIED WATERPROOFING. INT = INTERIOR. EXT = EXTERIOR			

OPENING SCHEDULE													
VA Building Number	ASSOCIATED ROOMS		OPENING		PANEL INFORMATION		FRAME INFORMATION		HOW GROUP	PRE LABEL (MM)	BASKET	ELECTRICAL	S LABEL
	FROM ROOM NAME	TO ROOM NAME	NUMBER	WIDTH	PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING					
7	TELECOM ROOM	TELECOM ROOM	102A	3'-0"	HM-FS	NONE	HMM-1S	NONE	HW-3.2	45	Y	Y	Y

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NO.	REVISION	DATE

CONSULTANT

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10360 Ellison Circle
Omaha, NE 68134
Phone: 402.991.5520
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ARCHITECT/ENGINEER OF RECORD

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

APPROVED: _____ DATE: _____	APPROVED: PROJECT COR _____ DATE: _____	APPROVED: PATIENT SAFETY _____ DATE: _____	APPROVED: DMS MANAGER _____ DATE: _____	APPROVED: DIRECTOR FMS _____ DATE: _____
APPROVED: _____ DATE: _____	APPROVED: SERVICE LINE DIRECTOR _____ DATE: _____	APPROVED: SAFETY MANAGER _____ DATE: _____	APPROVED: MO MANAGER _____ DATE: _____	APPROVED: ASSOCIATE DIRECTOR _____ DATE: _____
APPROVED: _____ DATE: _____	APPROVED: DMS COORDINATOR _____ DATE: _____	APPROVED: CHIEF OF POLICE _____ DATE: _____	APPROVED: PROJECTS SECTION MANAGER _____ DATE: _____	APPROVED: NURSE EXECUTIVE _____ DATE: _____
APPROVED: _____ DATE: _____	APPROVED: INFECTION CONTROL NURSE _____ DATE: _____	APPROVED: CHIEF OF STAFF _____ DATE: _____	APPROVED: ASSISTANT CHIEF ENGINEER _____ DATE: _____	APPROVED: CHIEF OF STAFF _____ DATE: _____

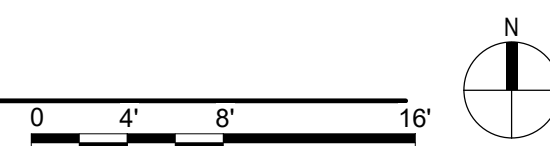
DRAWING TITLE
BUILDINGS 7 & 13 COVER SHEET & SHEET INDEX

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOT SCALE
656-21-235
BUILDING NO. 7 & 13
CHECKED BY: EM
DRAWN BY: EM
PROJECT NO. 7-G1000
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED
COVER OF

VA

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



LIFE SAFETY SYMBOLS			
	SMOKE TIGHT ASSEMBLY		1 HOUR FIRE & SMOKE BARRIER
	2 HOUR FIRE BARRIER		2 HOUR FIRE & SMOKE BARRIER
	3 HOUR FIRE BARRIER		3 HOUR FIRE & SMOKE BARRIER
	TRAVEL DISTANCE "100'-10"		EXIT DISCHARGE
	EXIT		EXIT ACCESS
	FIRE EXTINGUISHER		FIRE EXTINGUISHER CABINET
	LIMITS OF CONSTRUCTION		OCCUPANCY SEPARATION
	SMOKE COMPARTMENT BOUNDARY		HEALTH CARE SUITE
	HAZARDOUS USE		EXIT PASSAGEWAY
	CORRIDOR		ADJUNCT CORRIDOR OR PSYCHIATRIC AREA
	ADJUNCT CORRIDOR OR PSYCHIATRIC AREA		HEALTH CARE SUITE

NOTE: ALL SYMBOLS MAY BE USED ON EACH PLAN

No	REVISION	DATE

CONSULTANT



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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

STAMP

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

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

DRAWING TITLE

**FIRST FLOOR LIFE SAFETY
PLAN**

PROJECT TITLE	EHRM INFRA UPGRADES
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DATE:
03/30/2022

PLOT SCALE

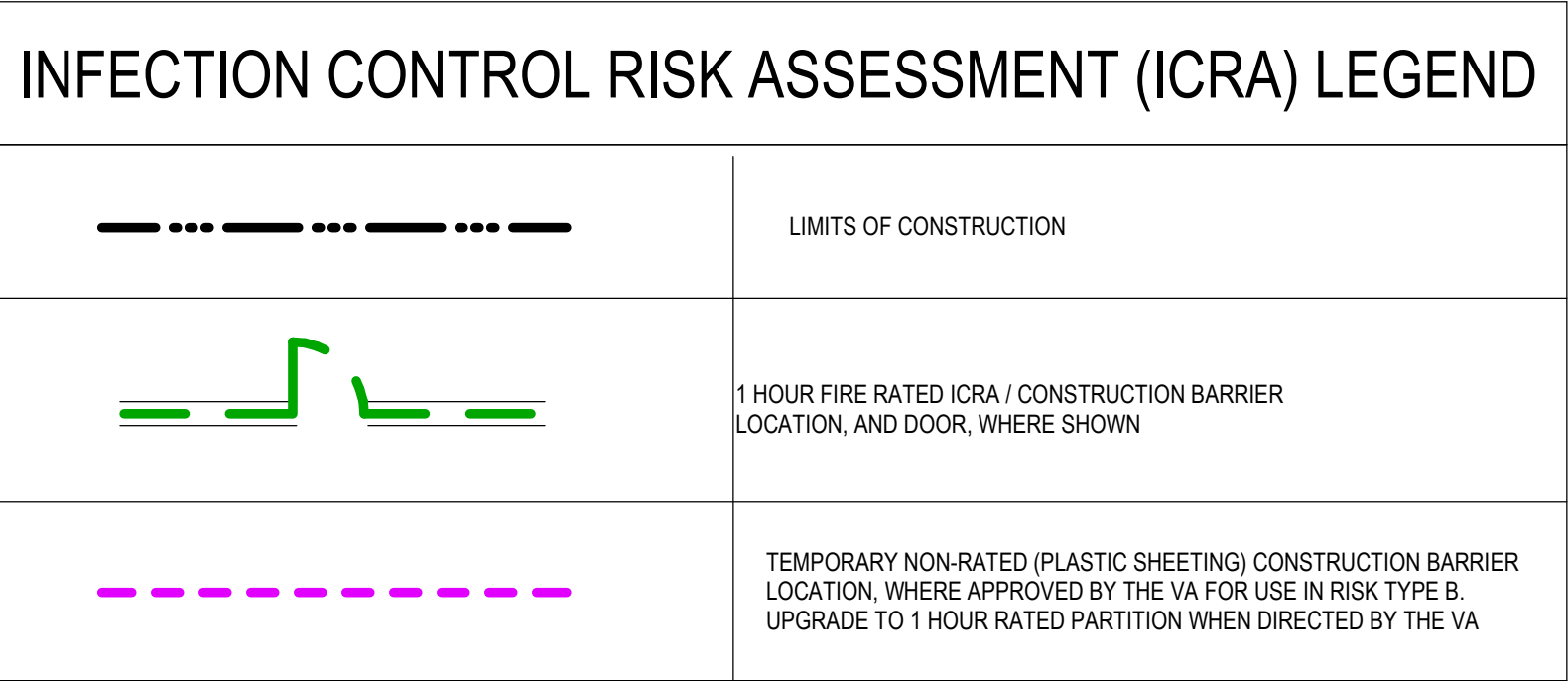
PROJECT NO.
656-21-235



BUILDING No	CH
7 & 13	E
LOCATION	
VA MEDICAL CENTER	
ST. CLOUD, MN 56301	

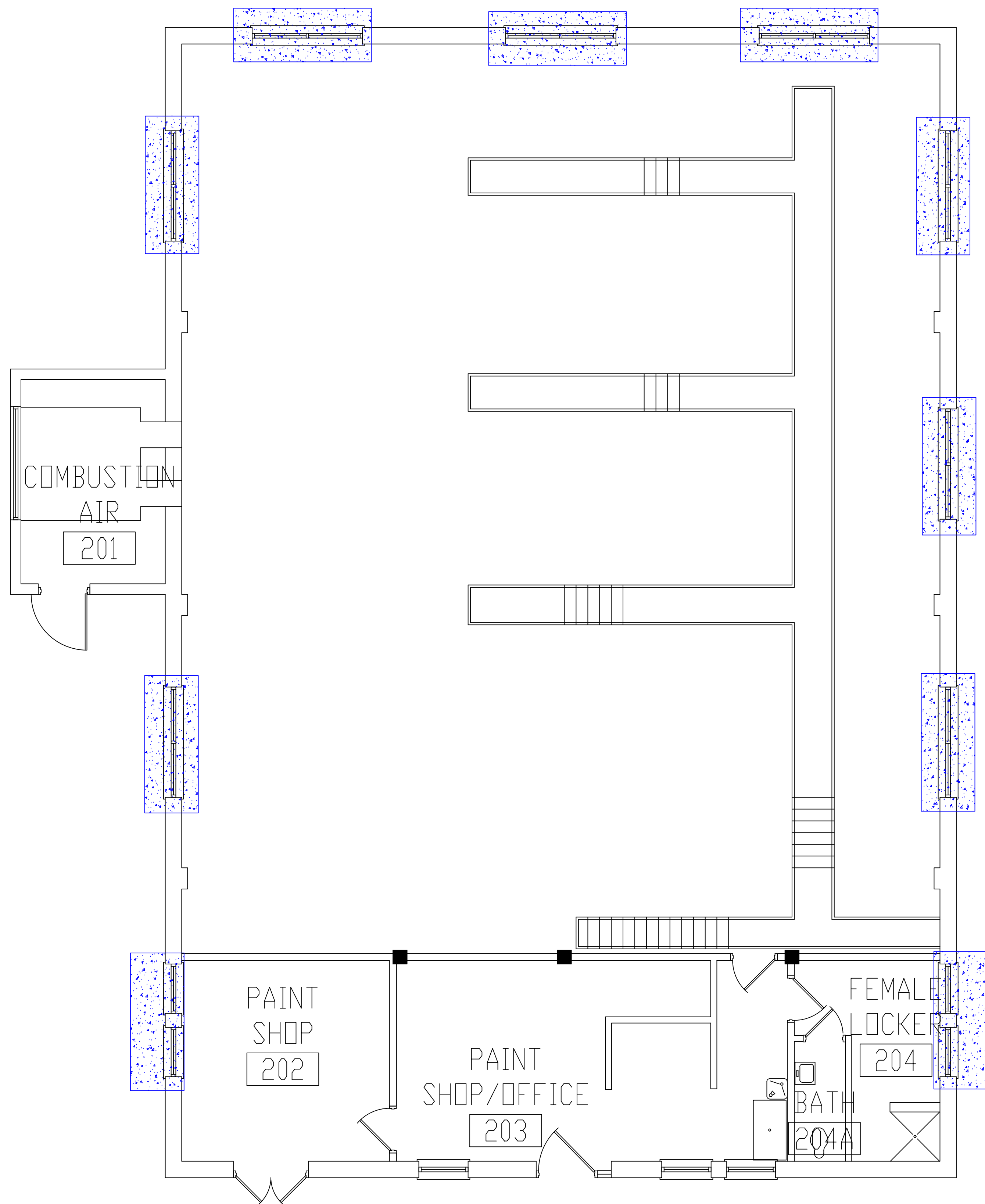
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**U.S. Department
of Veterans Affairs**
Veterans Health
Administration
St. Cloud VA
Health Care System



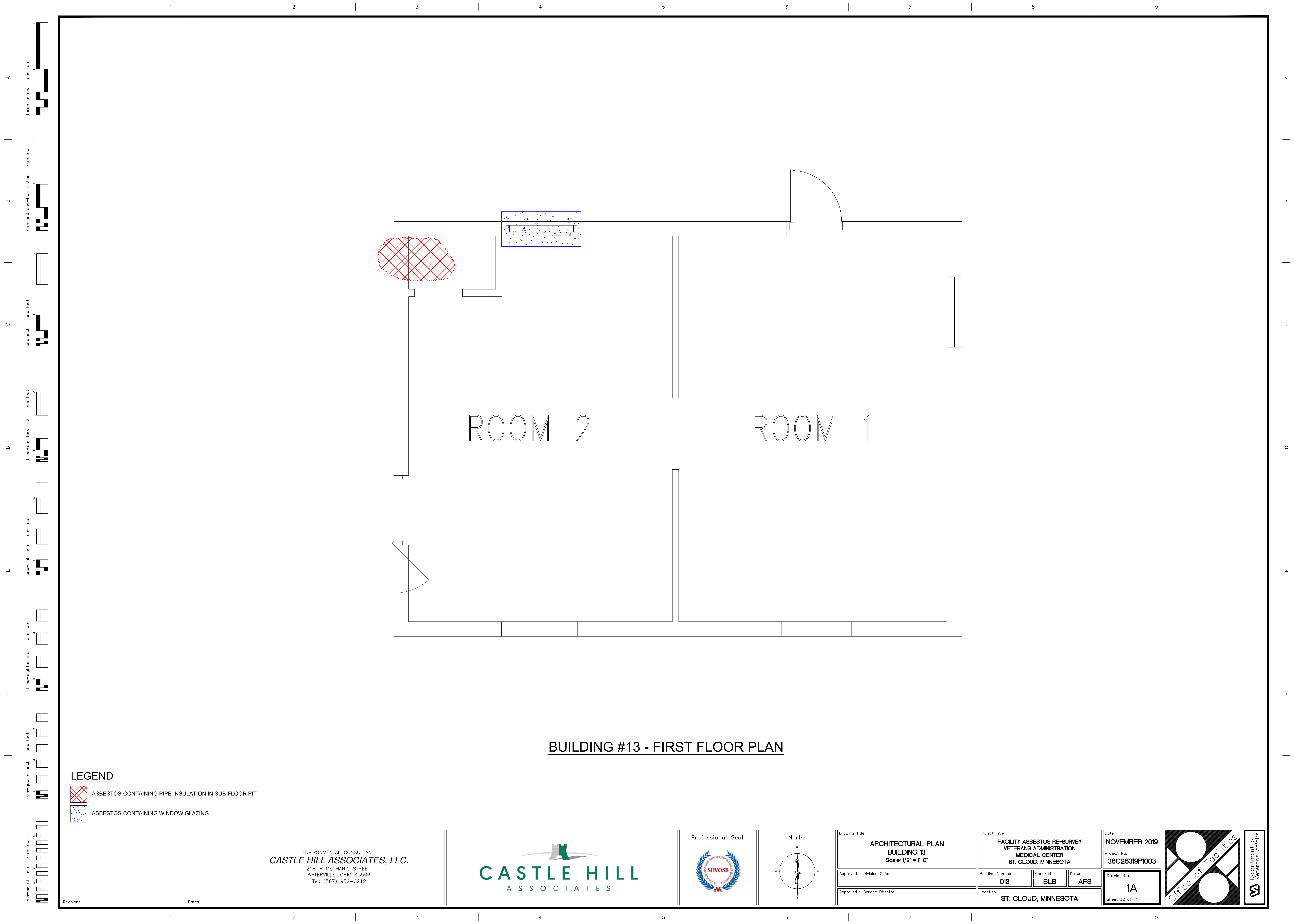
DRAWING TITLE FIRST FLOOR - INFECTION CONTROL & PHASING PLAN	PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES		DATE 03/30/2022	 U.S. Department of Veterans Affairs Veterans Health Administration St. Cloud VA Health Care System	
	PROJECT NO. 656-21-235				
	BUILDING No 7 & 13	CHECKED BY EM			DRAWN BY BMW
	DATE 7-G111				
LOCATION VA MEDICAL CENTER ST. CLOUD, MIN. 56301 FULLY SPRINKLERED DWG. OF					



BUILDING #7 - SECOND FLOOR PLAN

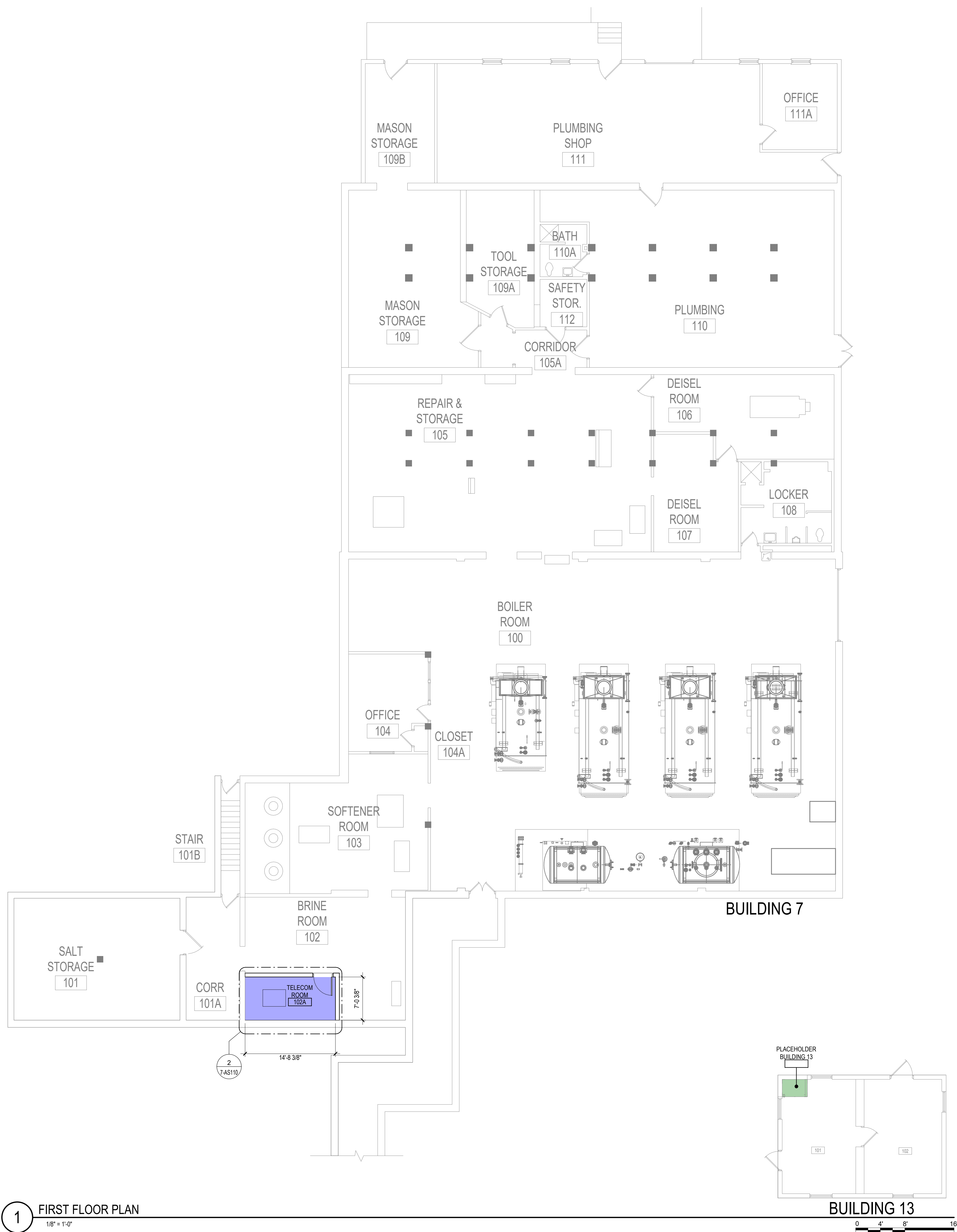
LEGEND
-ASBESTOS-CONTAINING WINDOW GLAZING

<div>Revisions</div> <div>Dates</div>		<div>ENVIRONMENTAL CONSULTANT: CASTLE HILL ASSOCIATES, LLC. 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212</div>	<div></div> <div>CASTLE HILL ASSOCIATES</div>	<div>Professional Seal: </div>	<div>North: </div>	<div>Drawing Title ARCHITECTURAL PLAN BUILDING 7 Scale: 1/4" = 1'-0"</div> <div>Approved : Division Chief</div> <div>Approved : Service Director</div>	<div>Project Title FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</div> <div>Building Number 007</div> <div>Location ST. CLOUD, MINNESOTA</div>	<div>Checked BLB</div> <div>Drawn AFS</div>	<div>Date NOVEMBER 2019</div> <div>Project No. 36C26319P1003</div> <div>Drawing No. 2A</div> <div>Sheet 18 of 71</div>	<div></div> <div>Office of Facilities</div>	<div></div> <div>Department of Veterans Affairs</div>
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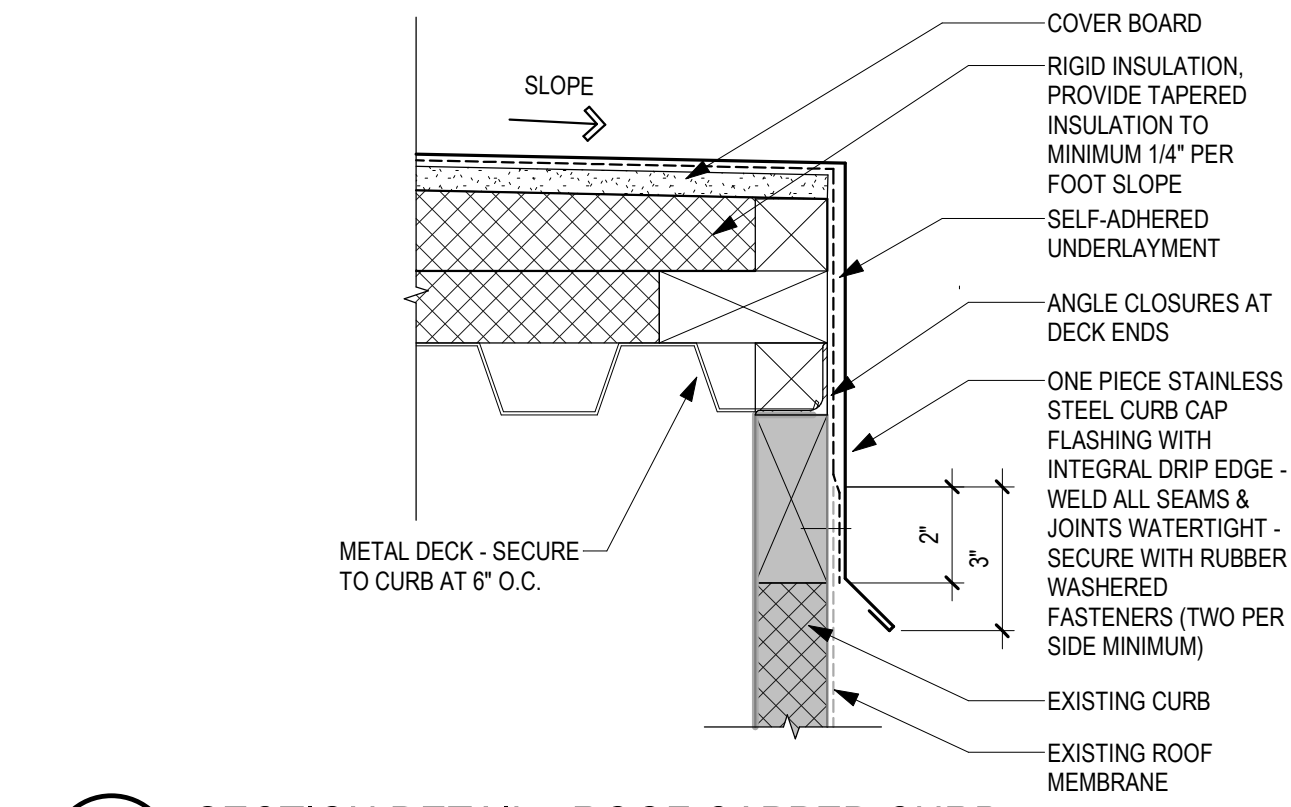
1 FIRST FLOOR PLAN
1/8" = 1'-0"

- ### DEMOLITION PLAN KEYED NOTES
- DE1 PREPARE WALL FOR PLYWOOD BACKBOARD INSTALLATION AND EHRM REQUIREMENTS. SEE FLOOR PLAN AND TELECOM DRAWINGS
 - DE10 PREPARE FLOOR FOR FLOOR BUILDUP
 - DE15 REMOVE 30"x18" GLASS BLOCK WINDOW. PREPARE FOR INFILL
 - DE16 PREPARE ROOF MOUNTED PRESSURE RELIEF VENT FOR INFILL
 - DE33 PARTIALLY REMOVE FLOOR FOR FLOOR DRAIN
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

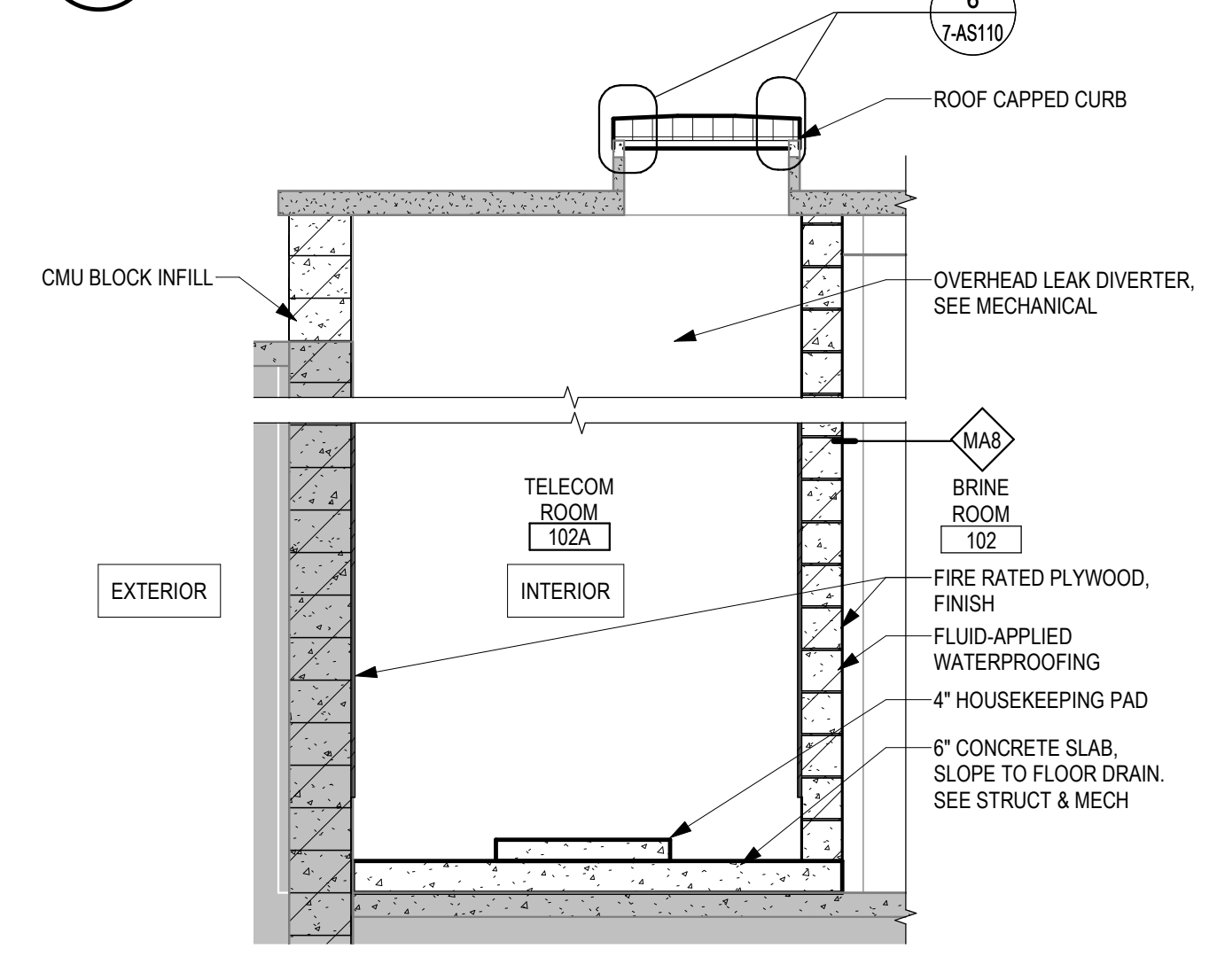
- ### FLOOR PLAN KEYED NOTES
- FL1 ALL FOUR PERIMETER WALL PARTITIONS APPLY 4" BY 8" AC GRADE 1/2" TRADE SIZE FIRE RATED PLYWOOD BACKBOARD FINISHED WITH HIGH-GLOSS WHITE PAINT OVER TWO COATS OF FIRE RESISTANT PAINT FOR SERVICE PROVIDER / SECURITY / VIDEO / ET CETERA. DO NOT PAINT OVER FIRE RATING STAMP.
 - 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.
 - FL7 WALL INFILL, MATCH EXISTING CONSTRUCTION
 - FL8 FLOOR DRAIN. SEE MECHANICAL
 - 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

- ### 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

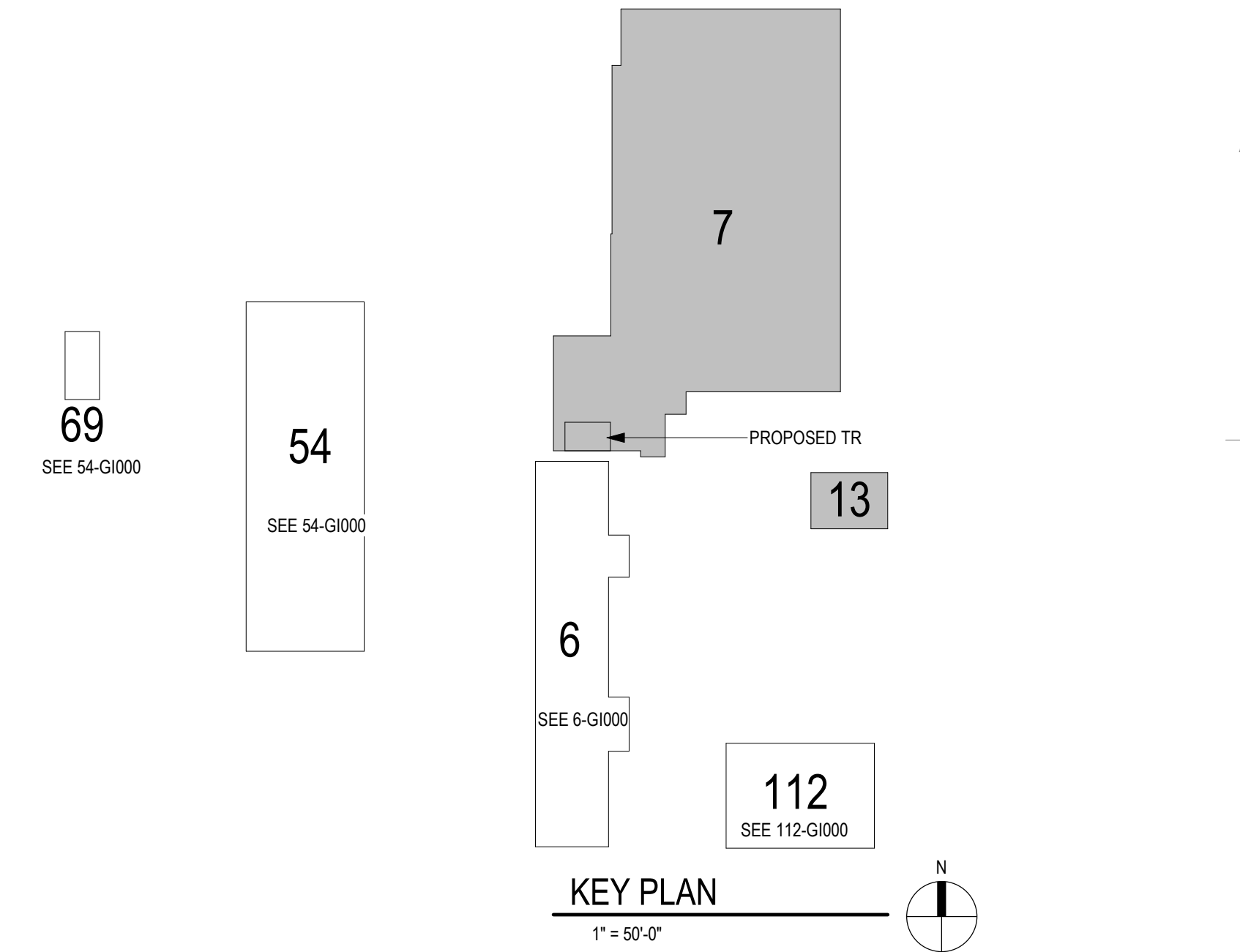
- ### SHEET NOTES
- SEE GENERAL NOTES AND CAMPUS DRAWINGS FOR GENERAL INFORMATION, LIFE SAFETY, ICRA, AND PHASING
 - ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO DEMOLITION OR CONSTRUCTION. EXISTING CONDITIONS THAT DIFFER FROM THOSE SHOWN MUST BE BROUGHT TO THE ATTENTION 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.



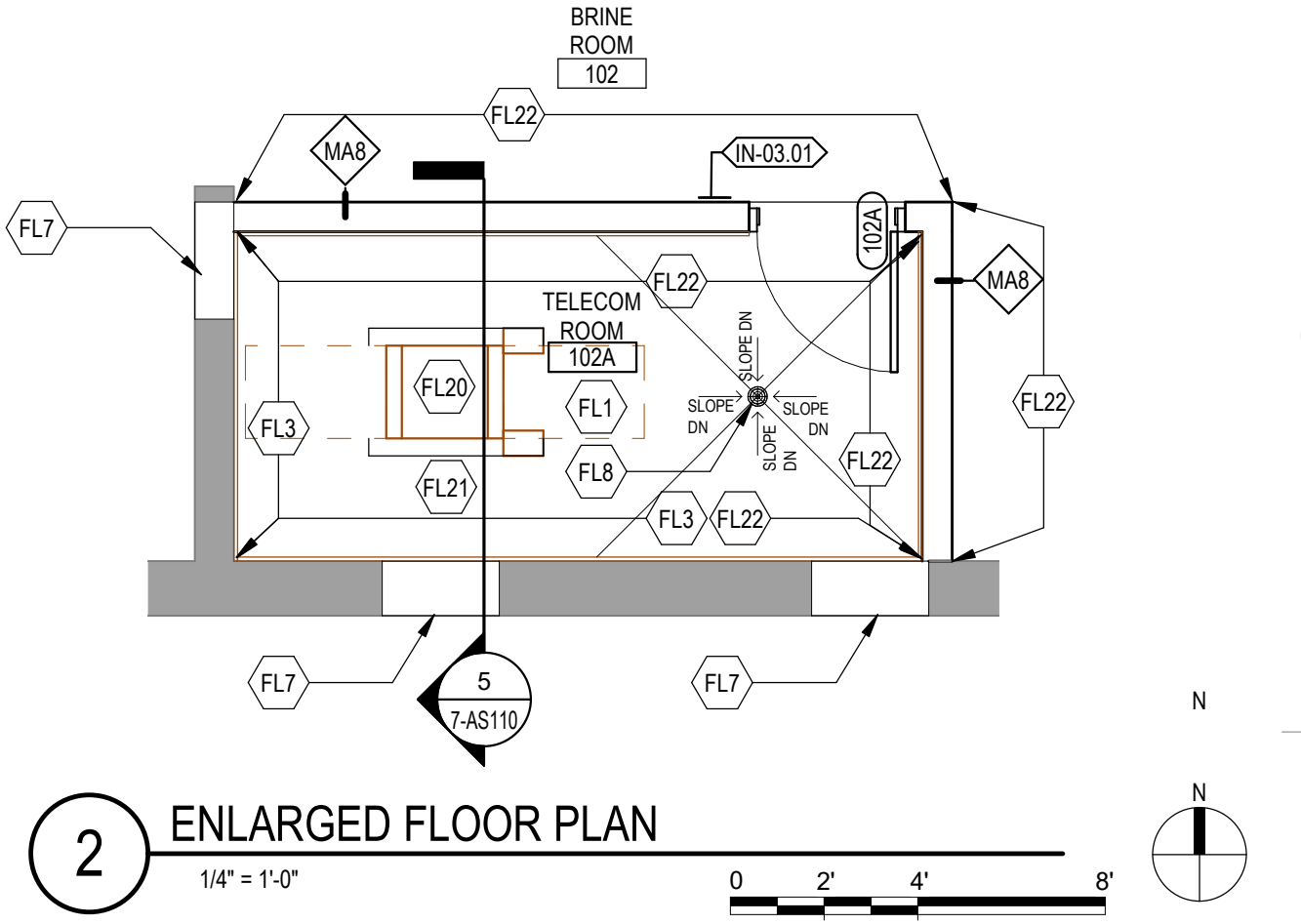
6 SECTION DETAIL - ROOF CAPPED CURB
3" = 1'-0"



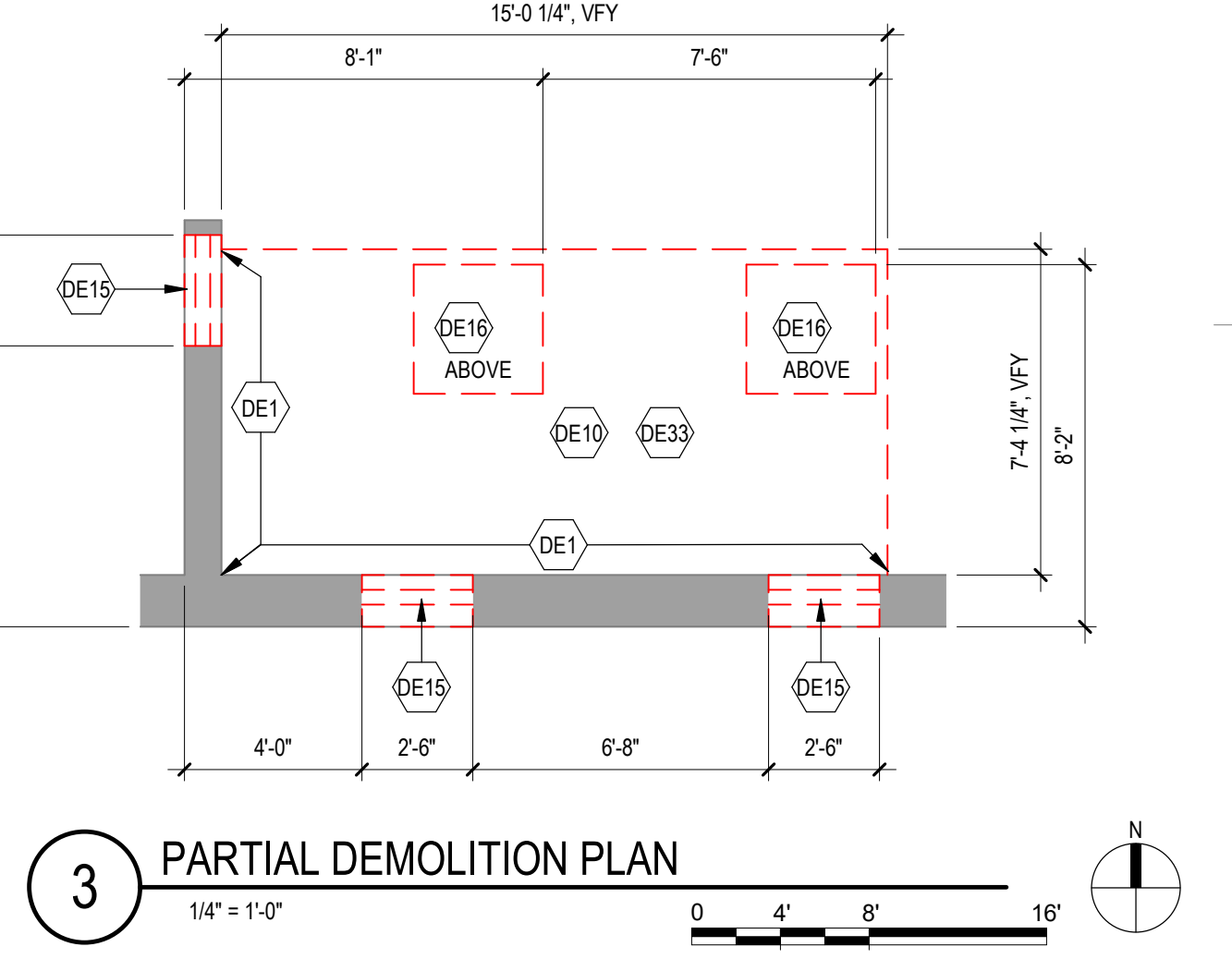
5 PARTIAL BUILDING SECTION - BUILDING 7 TELECOM ROOM 102A
3/8" = 1'-0"



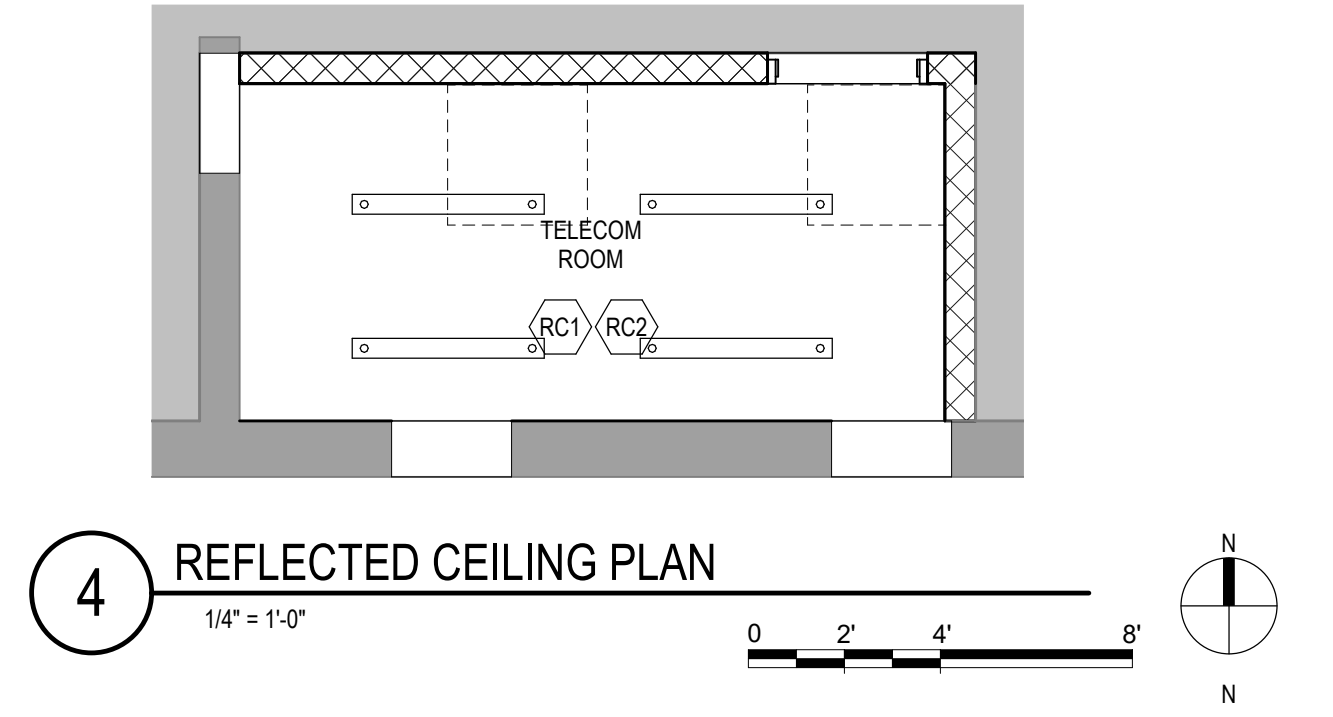
KEY PLAN
1" = 50'-0"



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



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



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

No.	REVISION	DATE

CONSULTANT

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ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
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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 Olesak*

Typed or Printed Name: Tom Olesak

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

DRAWING TITLE

FIRST FLOOR PLANS

PROJECT FILE

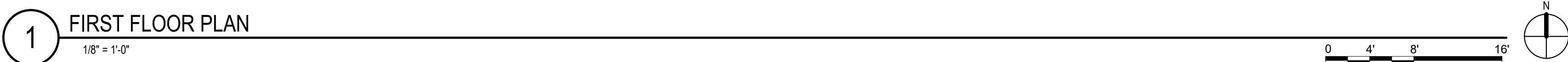
EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOT SCALE: 1/8" = 1'-0"
PROJECT NO: 656-21-235
DRAWING NO: 7-AS110

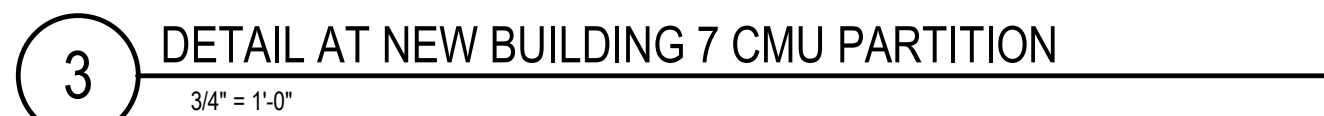
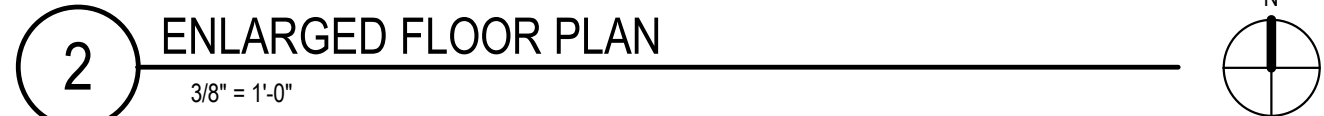
BUILDING NO: 7 & 13
CHECKED BY: EM
DRAWN BY: EM
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED
DWS. OF

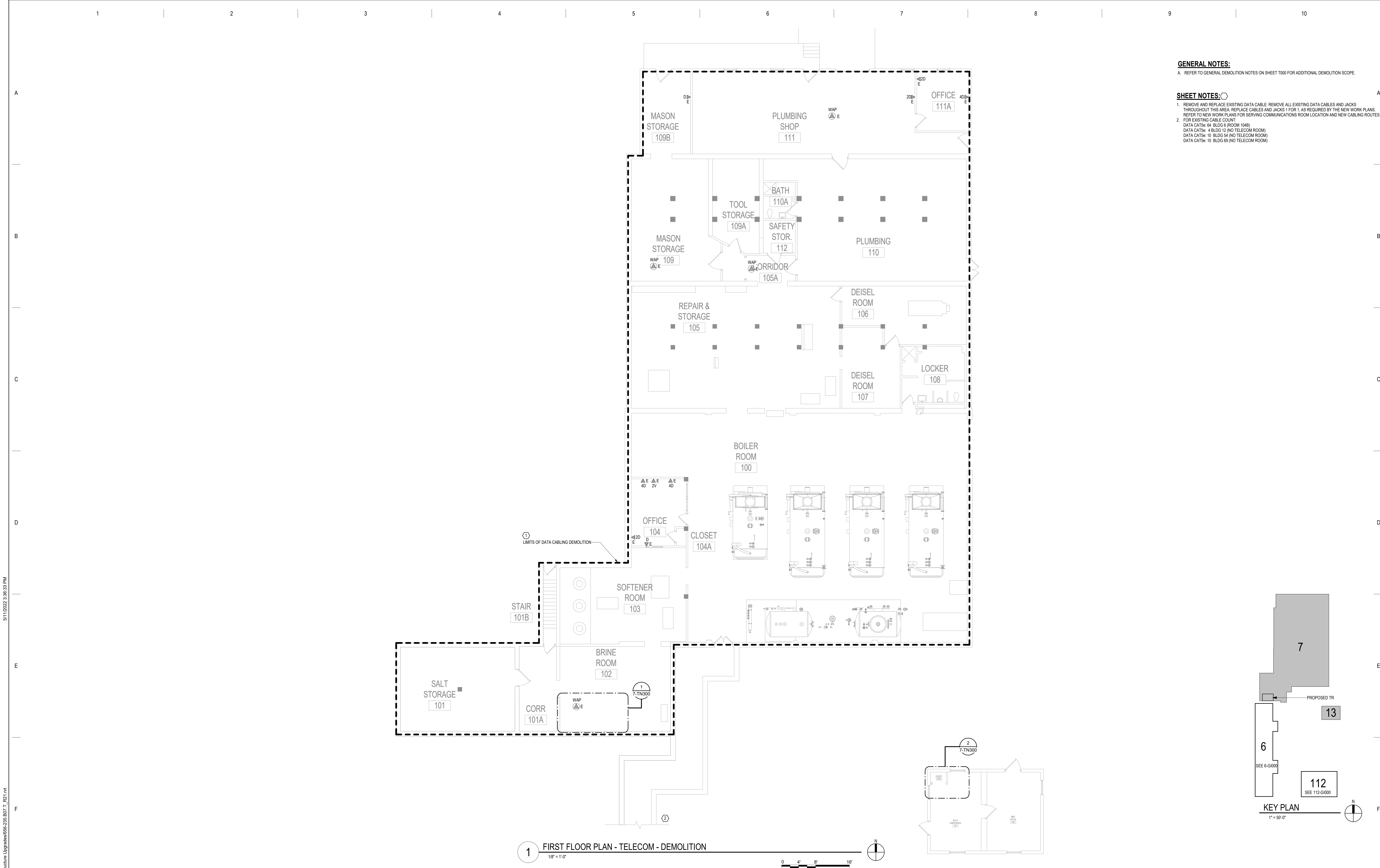
VA

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



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/CIP CONSTRUCTION.
7. ALL NEW OPENINGS GREATER THAN 12" IN DIAMETER OR 5'x5' ARE REQUIRED TO BE REINFORCED.
8. MW2 INDICATES 8' CMU WALL, #6 VERT BARMS AT 48" OC
9. AT ENDS OF CMU WALLS AND AT OPENINGS, GROUT (2) CONSECUTIVE CELLS SOLID WITH (1) #6 VERT BAR IN EACH CELL.
10. SEE \$600 FOR THE UNTEL SCHEDULE FOR NEW CMU PARTITIONS.
11. BRACE TOP OF MASONRY WALL WITH L4X4X1/4" AT 12" LONG @ 4' O.C. SPACING. ALTERNATE SIDES OF THE MASONRY WALL. MASONRY HORIZONTAL REINFORCEMENT @ 12" LONG @ 4' O.C. SLAB #12 H/11 KWIK BOLT 3 WEDGE ANCHOR, 3/8" DIA. 2'14" LONG.





- 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 CABLEING ROUTES.
 2. FOR EXISTING CABLE COUNT:
DATA CAT5e: 64 BLDG 6 (ROOM 104B)
DATA CAT5e: 4 BLDG 12 (NO TELECOM ROOM)
DATA CAT5e: 10 BLDG 54 (NO TELECOM ROOM)
DATA CAT5e: 10 BLDG 68 (NO TELECOM ROOM)

BIM 360/21/102.001 - VA St Cloud EHRM Infrastructure Upgrades/656-235 B07_T_R21.rvt
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No	REVISION	DATE

CONSULTANT




**SPECIALIZED
ENGINEERING
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10360 Ellman Circle
Omaha, NE 68134

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ARCHITECT/ENGINEER OF RECORD



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Anderson Engineering of Minnesota, LLC | Proj # 16305

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Nathan Timm
BICS1 ID # 346555
EXPIRES 12-31-24
REGISTERED COMMUNICATIONS DISTRIBUTION

DRAWING TITLE

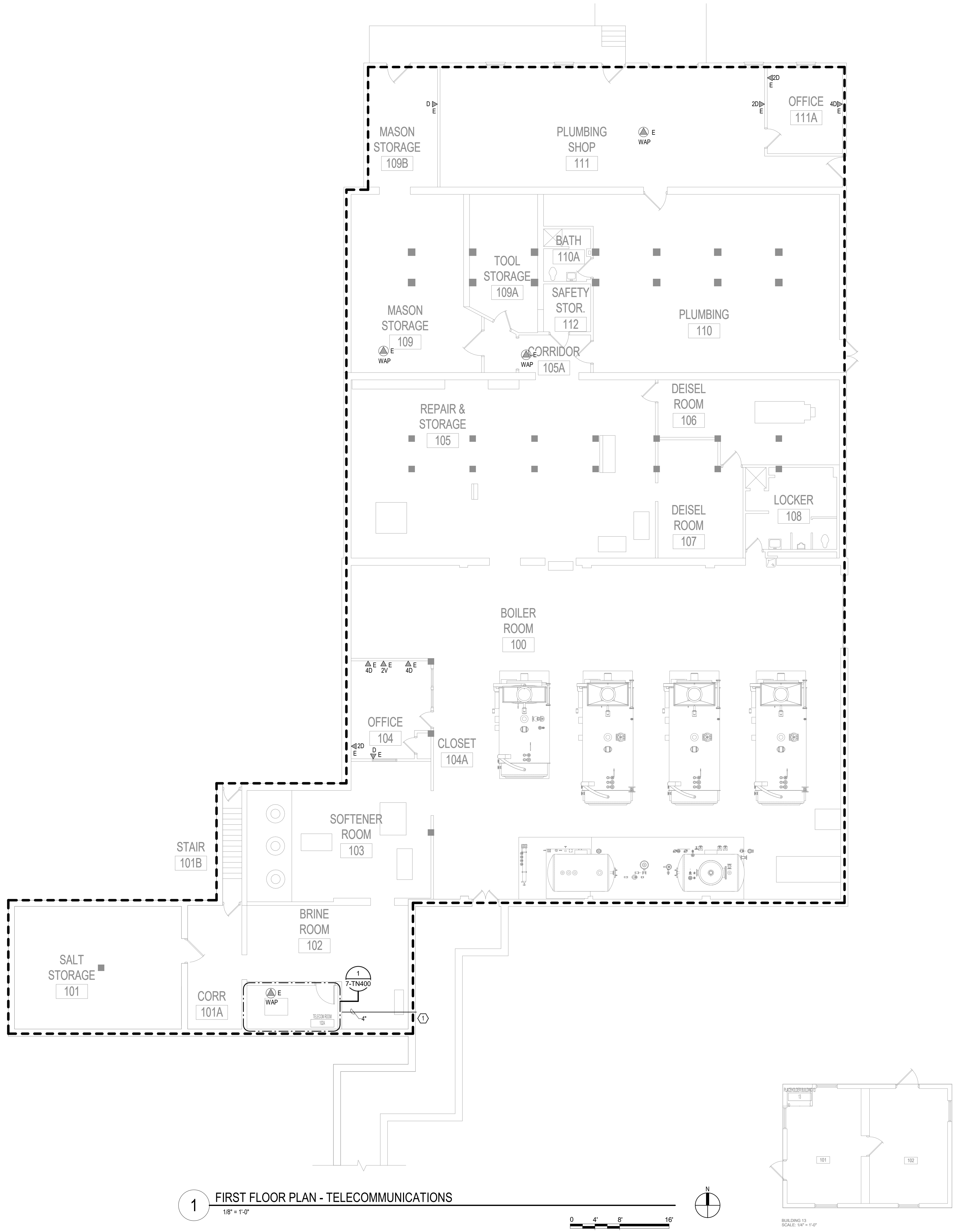
**FIRST FLOOR PLAN -
TELECOM - DEMOLITION**

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES		DATE 03/30/2022
PROJECT NO. 656-21-235		PLOT SCALE
BUILDING NO. 7 & 13	CHECKED BY KSB	DRAWN SSK
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303		DRAWING NO. 7-TD110
FULLY SPRINKLERED		DWG. OF



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

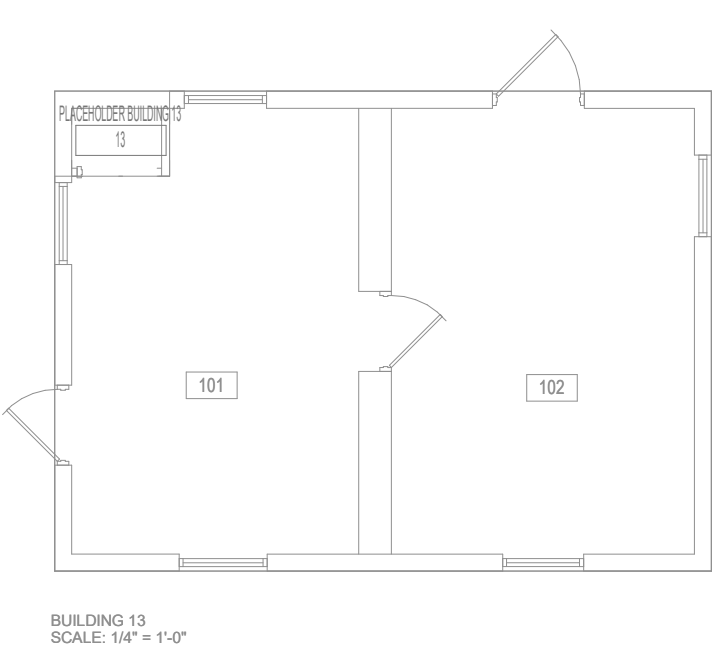
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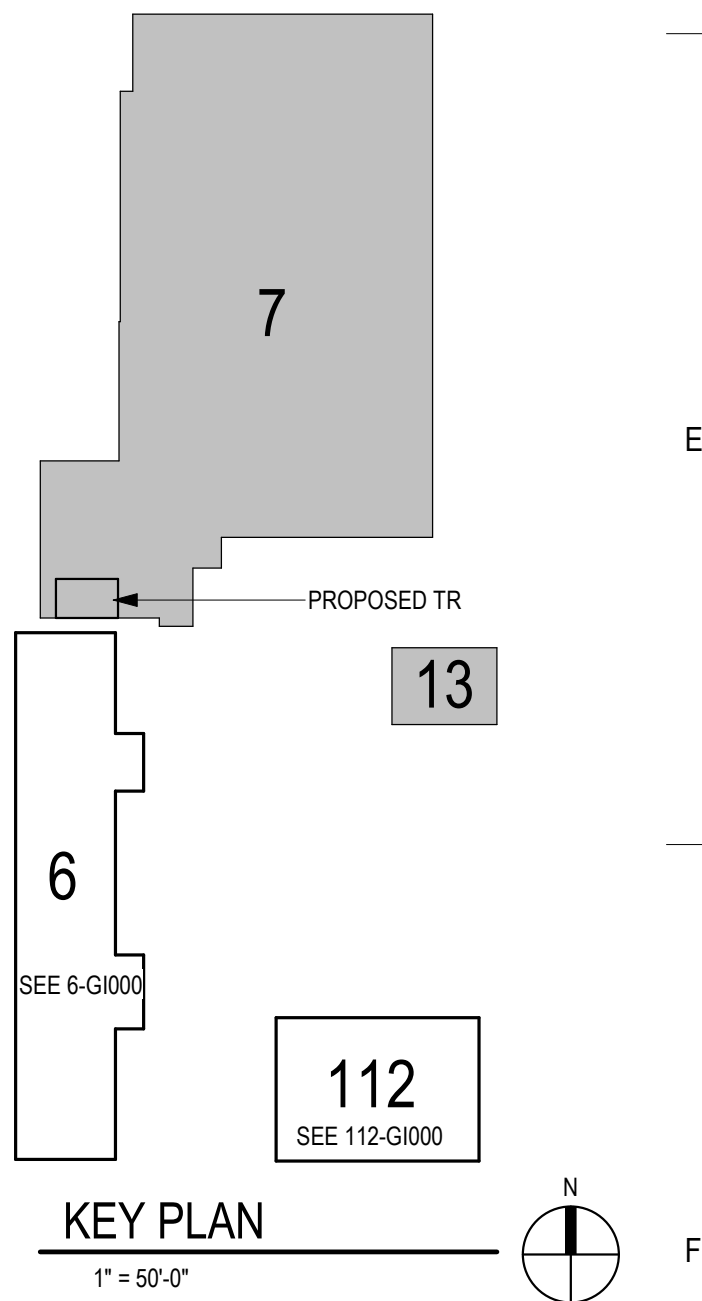


GENERAL NOTES:
A. REFER TO GENERAL NOTES ON SHEET T000 FOR ADDITIONAL SCOPE.

SHEET NOTES: ○
1. PROVIDE JUNCTION BOX TO CONNECT FIBER CONDUIT ENTRY TO EXTEND CONDUIT PATHWAY TO THE NEW TELECOM ROOM.

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





No	REVISION	DATE



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Omaha, NE 68134

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Anderson Engineering of Minnesota, LLC | Proj # 16305

Bicsi
Nathan Timm
BICSI ID # 346555
EXPIRES 12-31-23
Nathan M. Timm

PROJECT TITLE
**EHRM INFRASTRUCTURE
UPGRADES**

BUILDING No 7 & 13	CHECKED BY KSB	DRAWN SSK
----------------------------------	--------------------------	---------------------

LOCATION	VA MEDICAL CENTER ST.CLOUD, MN 56303	FULLY SPRINKLERED
----------	---	----------------------

PROJECT NO.	656-21-235
DRAWING NO.	7.TN210

DWG. OF



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

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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 102A (BUILDING 7)
EXISTING CABLE COUNT
DATA (CAT5): 0
DATA (CAT5e): 0
DATA (CAT5): 0
DATA (CAT3): 0

CABLE RELOCATION COUNT
DATA (CAT5): 0
DATA (CAT5e): 28 FROM BLDG 6, 6 FROM BLDG 7, 12 FROM BLDG 13, 11 FROM BLDG 54, 10 FROM BLDG 69, 4 FROM BLDG 112

DATA (CAT5): 0
DATA (CAT3): 0

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

FINAL CABLE COUNT
DATA (CAT5A): 71
DATA (CAT5): 0

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

0 2' 4' 8'

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

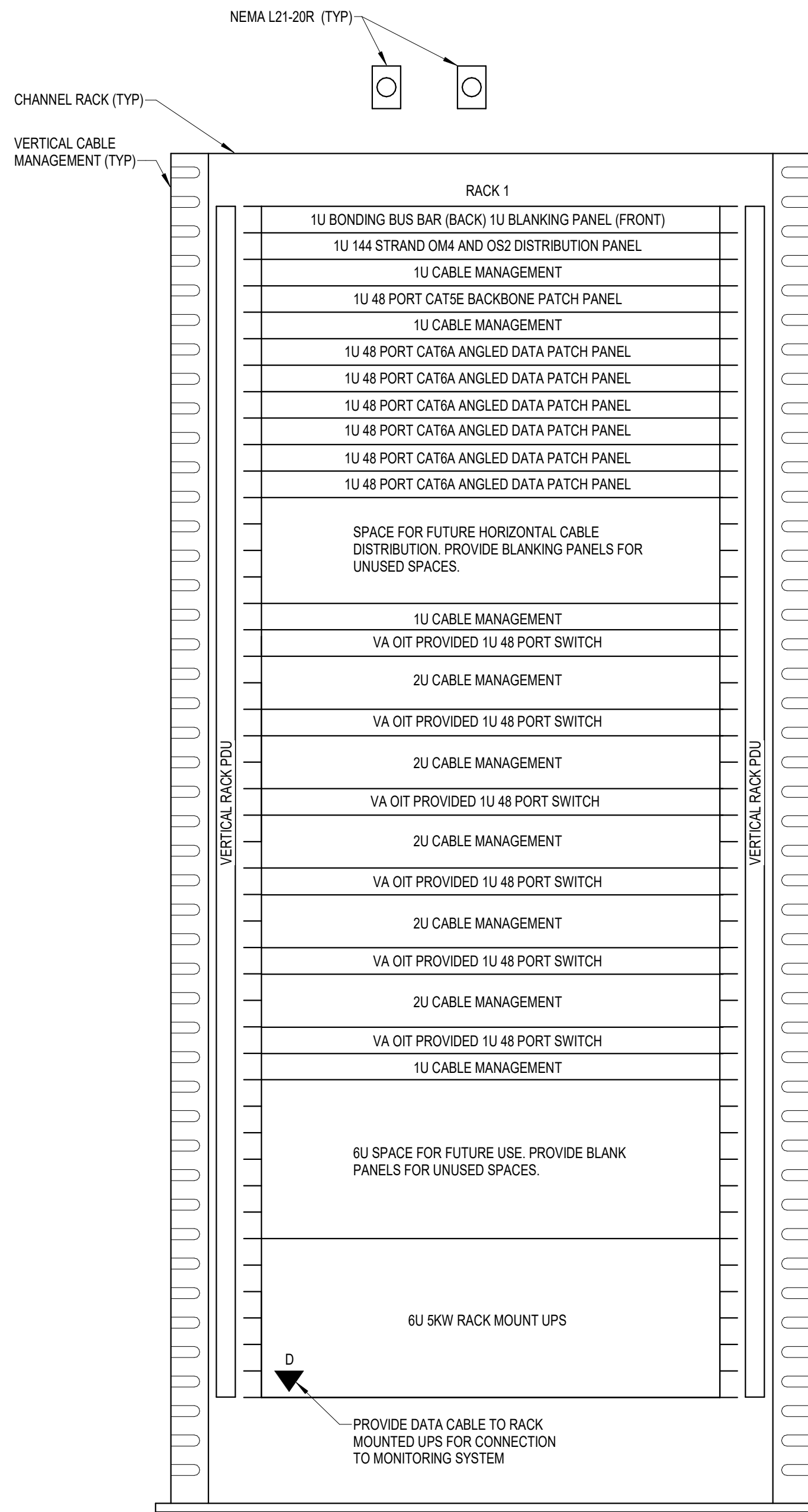
0 2' 4' 8'

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

0 2' 4' 8'

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

0 2' 4' 8'



- 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 OWNERS ISIT REPRESENTATIVE.
 - CONTRACTOR IS RESPONSIBLE FOR FINAL CABLE COUNT, QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, BLANKING PANELS, CABLE MANAGEMENT, AND MOUNTING HARDWARE NOT MARKED AS "OIT PROVIDED".
 - PUNCHDOWN COPPER BACKBONES ON RACK MOUNT PATCH PANELS. TERMINATE ONE (1) PAIR PER PATCH PANEL PORT.

6 COMMUNICATIONS - TYPICAL ONE RACK ELEVATION WITH RACK MOUNT UPS - BUILDING 7 - TR 102A

NOT TO SCALE

1 ENLARGED PLAN - BUILDING 7 - TR 102A - TELECOM - CABLE TRAY AND DATA

1/2" = 1'-0"

0 1' 2' 4'

5/11/2022 3:36:40 PM

BIM 360://21102.001 - VA St Cloud EHRM Infrastructure Upgrades/656-235 B07.T_R21.rvt

No	REVISION	DATE

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REGISTERED COMMUNICATIONS DISTRIBUTION

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

Nathan M. Timm

DRAWING TITLE

ENLARGED PLANS -
TELECOMMUNICATIONS

PROJECT FILE

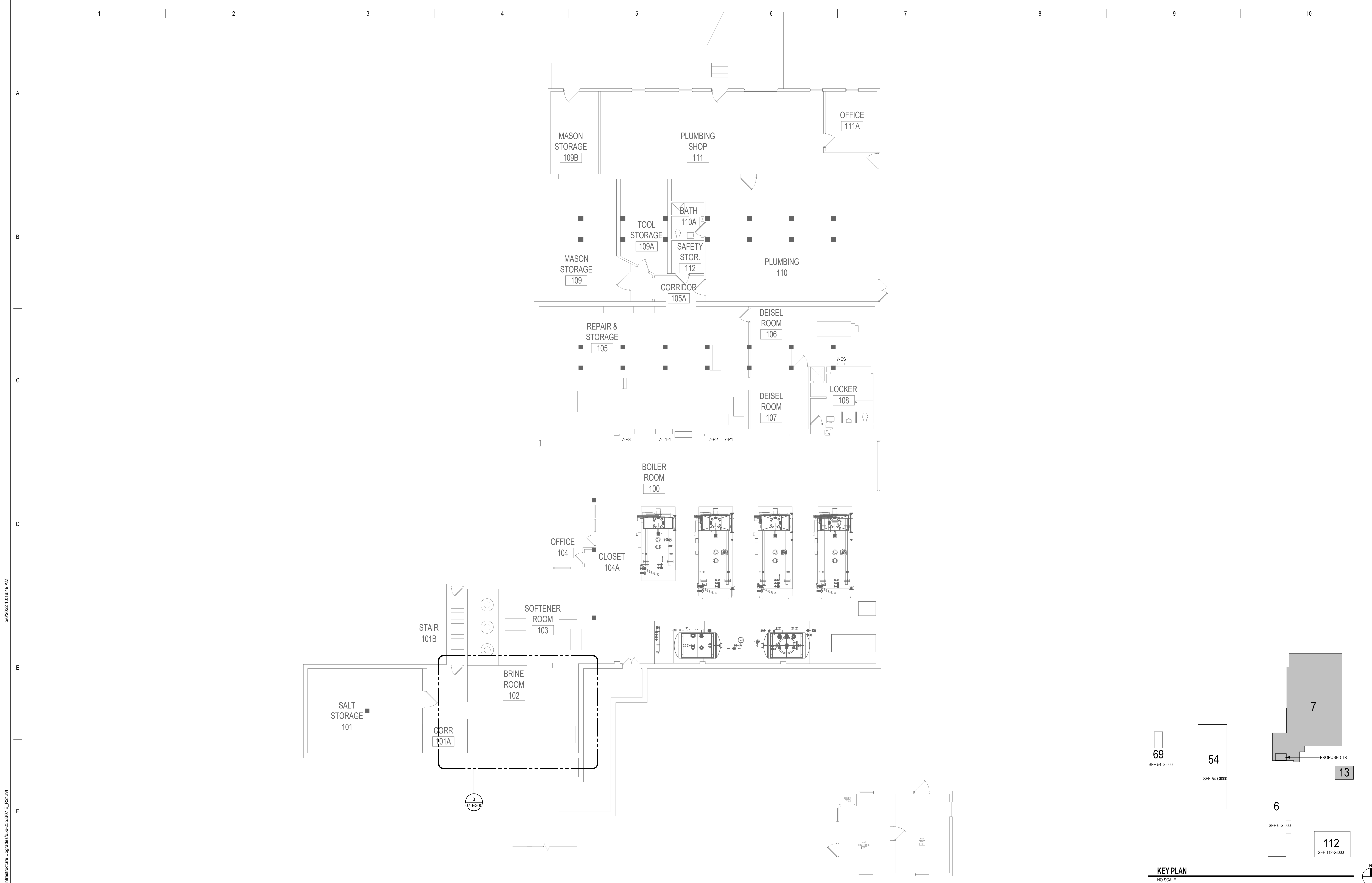
EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOT SCALE:
PROJECT NO: 656-21-235
DRAWING NO: 7-TN400

BUILDING NO: 7 & 13
CHECKED BY: KSB
DRAWN: SSK
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED

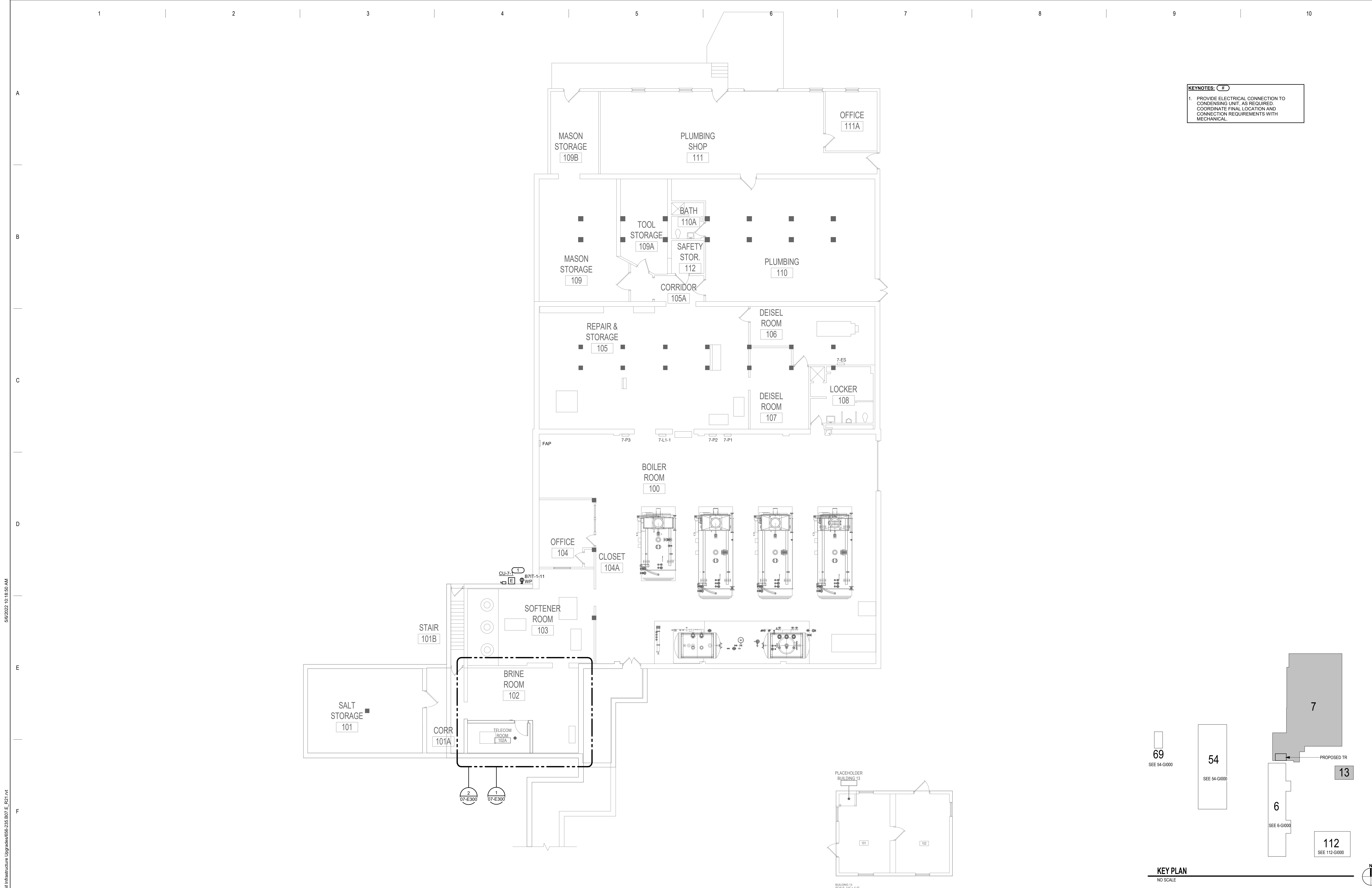
VA

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



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

<div>100% CD</div> <div>03/30</div> <div>DATE</div>		<div>CONSULTANT</div> <div>AST SES</div> <div>SPECIALIZED ENGINEERING SOLUTIONS</div> <div>10360 Ellipse Circle Omaha, NE 68134</div> <div>Phone: 402.991.5520 www.specializedeng.com</div>		<div>ARCHITECT/ENGINEER OF RECORD</div> <div>ANDERSON</div> <div>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</div>		<div>STAMP</div> <div></div>		<div>DRAWING TITLE</div> <div>FIRST FLOOR DEMOLITION PLAN - ELECTRICAL</div>		<div>PROJECT TITLE</div> <div>EHRM INFRASTRUCTURE UPGRADES</div>		<div>DATE</div> <div>03/30/2022</div>		<div>PROJECT NO.</div> <div>656-21-235</div>		<div>LOCATION</div> <div>VA MEDICAL CENTER ST. CLOUD, MN 56303</div>		<div>U.S. Department of Veterans Affairs</div> <div>Veterans Health Administration</div> <div>St. Cloud VA Health Care System</div>	
<div>NO</div> <div>REVISION</div>		<div>10360 Ellipse Circle Omaha, NE 68134</div> <div>Phone: 402.991.5520 www.specializedeng.com</div>		<div>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</div>		<div>05-06-2022</div>		<div>BUILDING NO.</div> <div>7</div>		<div>CHECKED BY</div> <div>IMEG</div>		<div>DRAWN</div> <div>IMEG</div>		<div>DRAWING NO.</div> <div>07-E100</div>		<div>LOCATION</div> <div>VA MEDICAL CENTER ST. CLOUD, MN 56303</div>		<div>U.S. Department of Veterans Affairs</div> <div>Veterans Health Administration</div> <div>St. Cloud VA Health Care System</div>	



KEYNOTES: **C** #

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

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

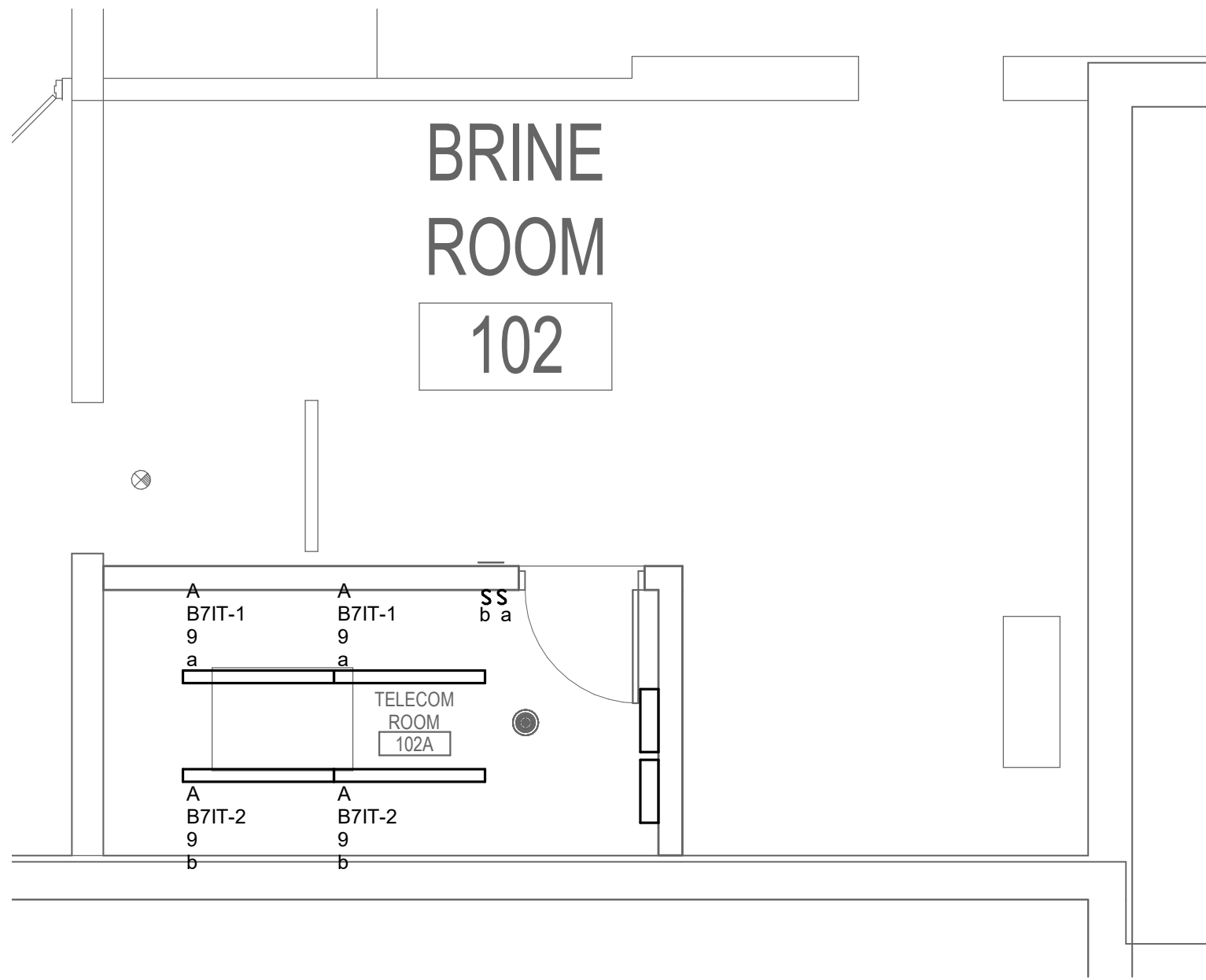
CONSULTANT AST SES SPECIALIZED ENGINEERING SOLUTIONS 10360 Ellipse Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com		ARCHITECT/ENGINEER OF RECORD ANDERSON 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16305		STAMP MINNESOTA PROFESSIONAL ENGINEER 65000 05-06-2022		DRAWING TITLE FIRST FLOOR PLAN - ELECTRICAL		PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES BUILDING No 7 CHECKED BY IMEG DRAWN IMEG DRAWING NO. 07-E200 LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303 DATE 03/30/2022 PLOT SCALE PRECEDENT 656-21-235 DWG. OF FULLY SPRINKLERED		U.S. Department of Veterans Affairs Veterans Health Administration St. Cloud VA Health Care System	
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SHEET NOTES:

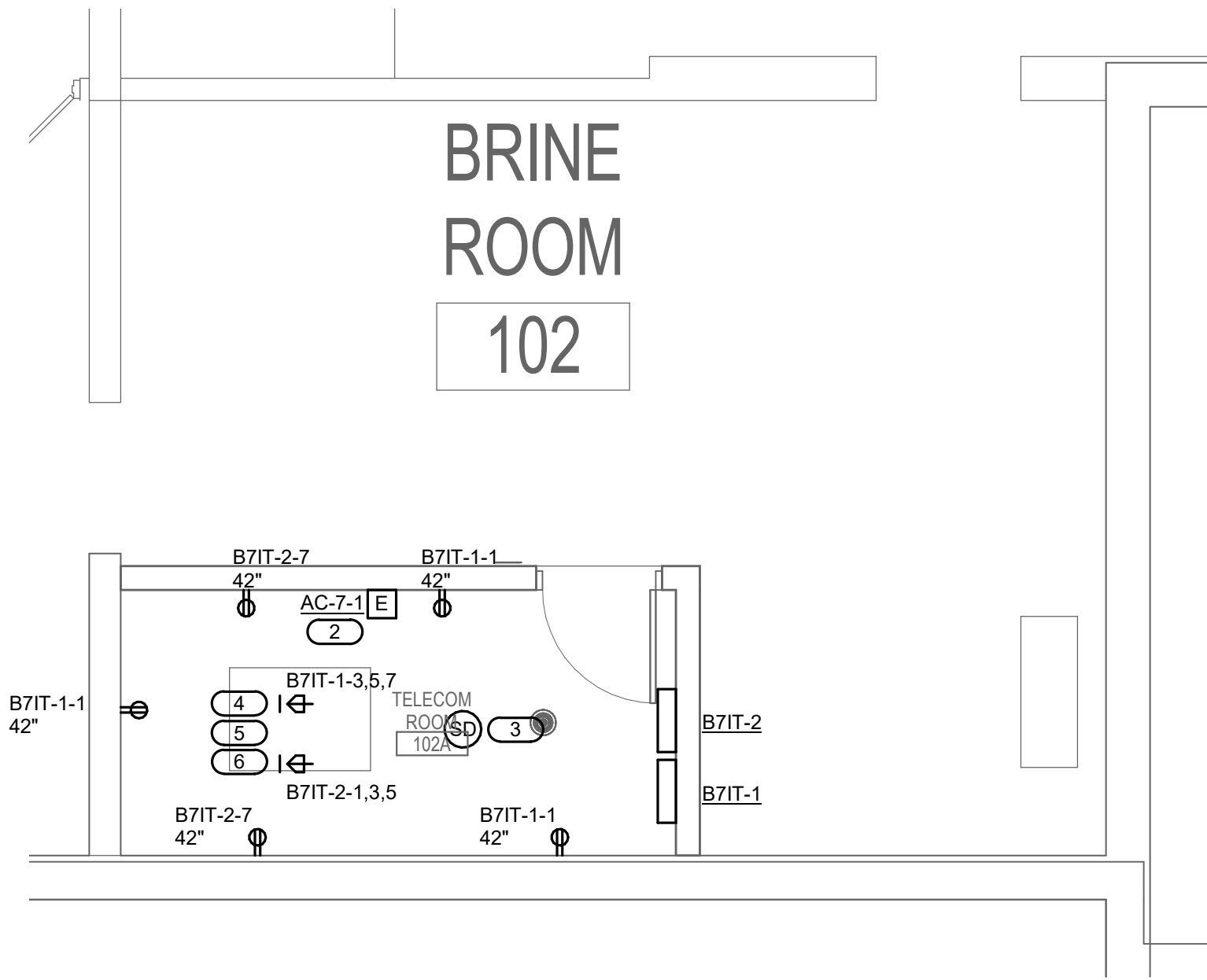
1. REFER TO TECHNOLOGY PLANS FOR IT ROOM LAYOUT AND RACK LAYOUT/DETAILS.
2. REFER TO SHEET 0-GE400 DETAIL FOR LAYOUT & ONE-LINE OF RACK.

KEYNOTES: (#)

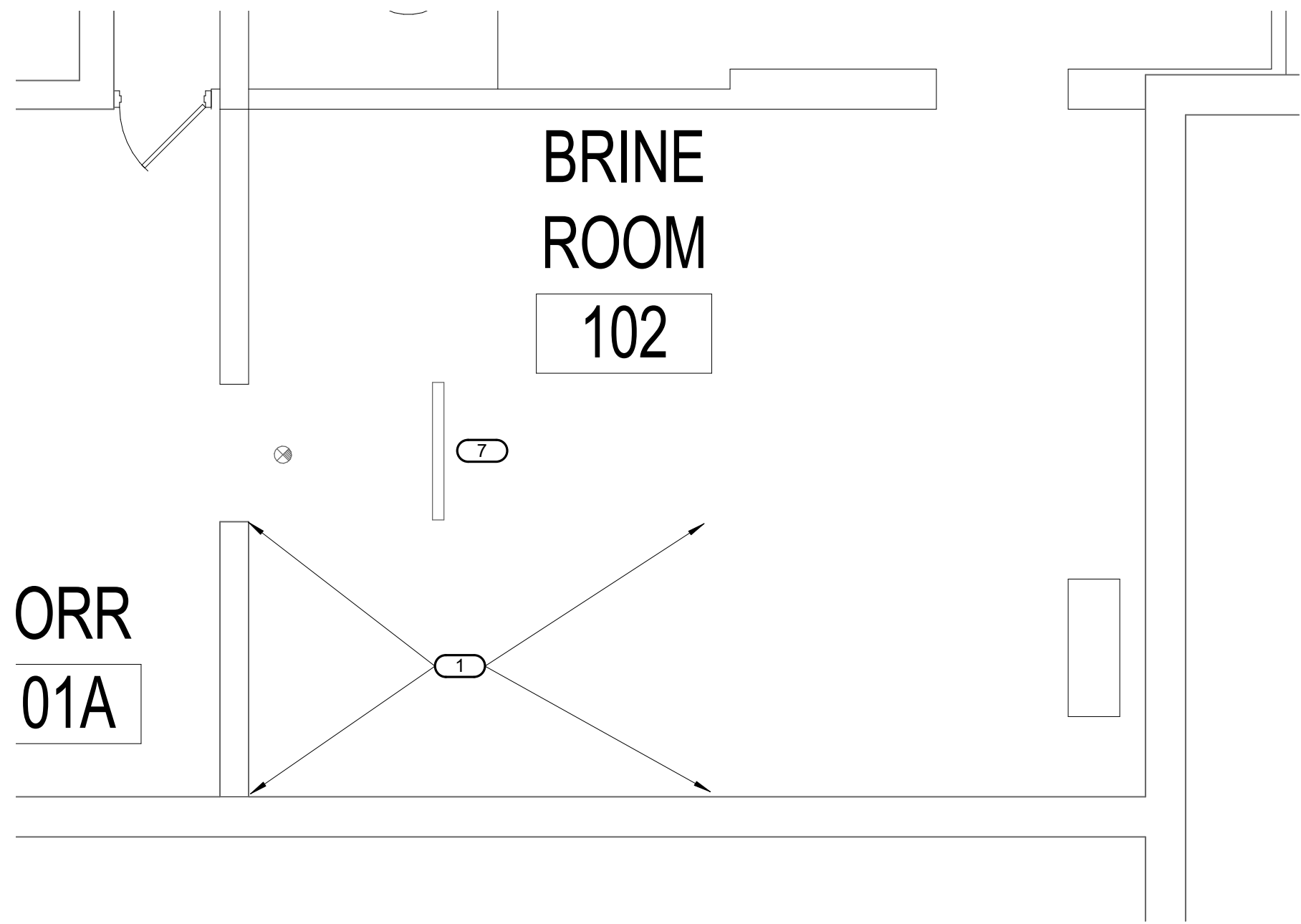
1. DISCONNECT AND REMOVE LIGHTS AND RECEPTACLES IN AREA OF NEW IT ROOM. MAINTAIN CIRCUIT CONTINUITY TO ADJOINING SPACES.
2. INDOOR UNIT TO BE POWERED BY OUTDOOR UNIT. COORDINATE EXACT LOCATION WITH M.C.
3. CONNECT SMOKE DETECTOR TO NEAREST EXISTING SLIC.
4. COORDINATE FINAL LOCATION OF RECEPTACLE L21-20R WITH TELECOM CONTRACTOR. PROVIDE 3/4" C-#12, 1#12 GND TO PANEL FOR EACH RECEPTACLE.
5. PROVIDE EATON BLADEUPS: 5KW, 120/208V, 3-PHASE, 4-WIRE RACK MOUNTED UPS FOR EACH RACK TOWER.
6. PROVIDE APC/AP9881 RPDU RACK PDU 2G WITH L21-20P CORD, (120/208V, 3-PHASE, 20A, ZERO U, 5.7 KW, 208V, (36) C13 (6) C19 (2) 5-20R OUTLETS. PROVIDE TWO PER RACK, MOUNTED PER MANUFACTURER'S REQUIREMENTS.
7. RELOCATE EXISTING LIGHT FIXTURE TO THE NORTH TO AVOID NEW WALL.



1 FIRST FLOOR ENLARGED - TR 102A - LIGHTING
1/4" = 1'-0"



2 FIRST FLOOR ENLARGED - TR 102A - POWER & SYSTEM
1/4" = 1'-0"



3 FIRST FLOOR DEMOLITION ENLARGED - ELEC 102 - ELECTRICAL
1/4" = 1'-0"

A

B

C

D

E

F

A

B

C

D

E

F

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 7-P3
LOCATION: TELECOM ROOM 102A

SOLID NEUTRAL
GROUND BUS

MAIN: 100 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA

NOTES: PROVIDE INTEGRAL ELECTRIC METER IN PANEL.

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE	H	N	G	A	B	C	WIRE SIZE	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY																		
	1	TELECOM ROOM REC.	20 A	1					0.54	0							1	20 A	SPARE	2																		
	3	L21-20R RACK	20 A	3					1.67	0							1	20 A	SPARE	4																		
	5										1.67	0					1	20 A	SPARE	6																		
	7								1.67	0							1	20 A	SPARE	8																		
	9	LIGHTING	20 A	1					0.18	0							1	20 A	SPARE	10																		
	11	WP GFI REC.	20 A	1					0.18	0							1	20 A	SPARE	12																		
	13	CUT-1	20 A	2					1	0							1	20 A	SPARE	14																		
	15										1	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:									3.21 kVA	2.84 kVA	1.85 kVA																											
Total Amps:									28.00	24.98	15.39																											
LOAD SUMMARY																																						
LOAD CLASSIFICATION			CONNECTED LOAD			DEMAND FACTOR			ESTIMATED DEMAND			TOTALS*																										
Lighting			0.178 kVA			100.00%			0.178 kVA			TOTAL CONNECTED LOAD:			7.90 kVA																							
Power			7 kVA			100.00%			7 kVA			TOTAL ESTIMATED DEMAND LOAD:			7.898 kVA																							
Receptacles			0.72 kVA			100.00%			0.72 kVA			TOTAL CONNECTED AMPS:			21.92 A																							
												TOTAL ESTIMATED DEMAND AMPS:			21.9 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:																																						

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

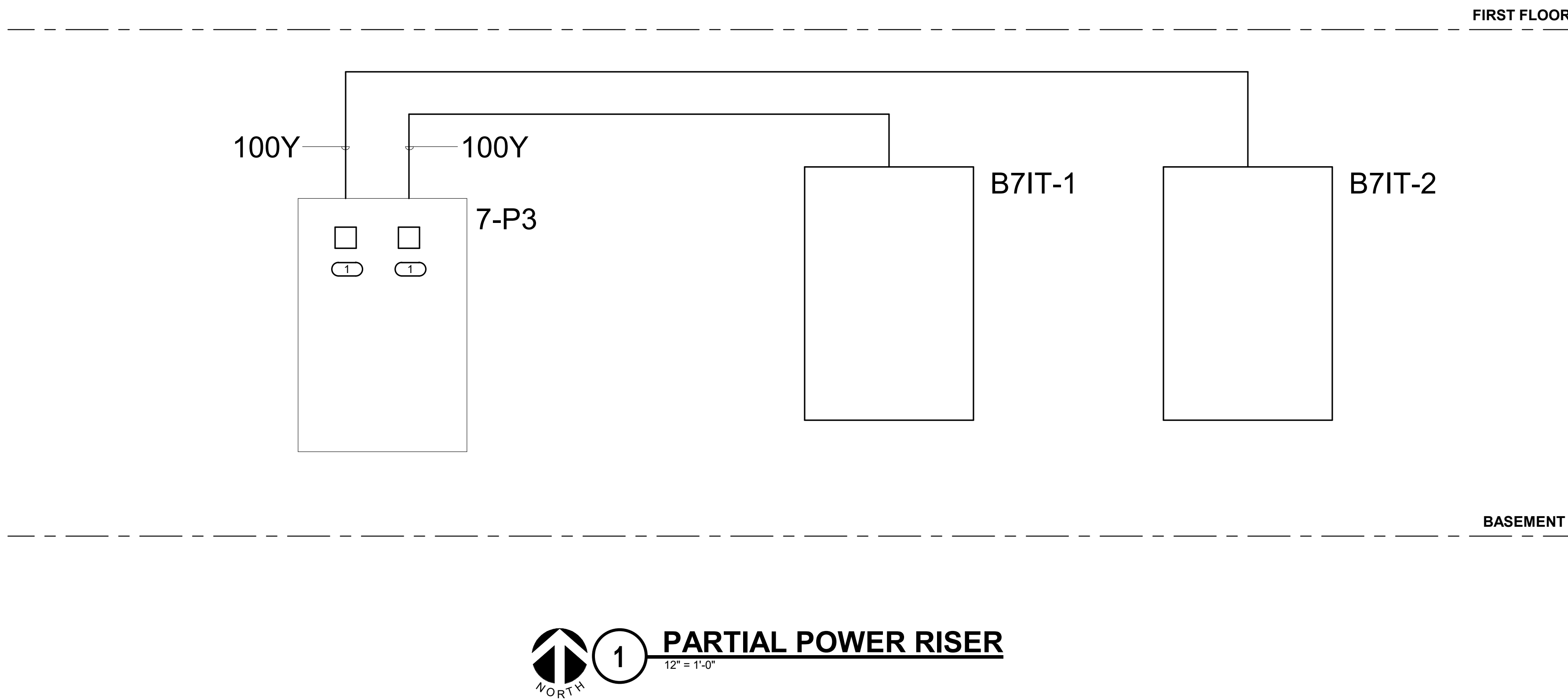
MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 7-P3
LOCATION: TELECOM ROOM 102A

SOLID NEUTRAL
GROUND BUS

MAIN: 100 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA

NOTES: PROVIDE INTEGRAL ELECTRIC METER IN PANEL.

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE	H	N	G	A	B	C	WIRE SIZE	G	N	H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY																		
	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	TELECOM ROOM REC.	20 A	1					0.36	0							1	20 A	SPARE	8																		
	9	LIGHTING	20 A	1					0.18	0							1	20 A	SPARE	10																		
	11	SPARE	20 A	1							0	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:									2.03 kVA	1.84 kVA	1.67 kVA																											
Total Amps:									17.12	15.60	13.89																											
LOAD SUMMARY																																						
LOAD CLASSIFICATION			CONNECTED LOAD			DEMAND FACTOR			ESTIMATED DEMAND			TOTALS*																										
Lighting			0.178 kVA			100.00%			0.178 kVA			TOTAL CONNECTED LOAD:			5.54 kVA																							
Power			5 kVA			100.00%			5 kVA			TOTAL ESTIMATED DEMAND LOAD:			5.538 kVA																							
Receptacles			0.36 kVA			100.00%			0.36 kVA			TOTAL CONNECTED AMPS:			15.37 A																							
												TOTAL ESTIMATED DEMAND AMPS:			15.4 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:																																						



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No	REVISION	DATE
100% CD		03/30

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REGISTERED PROFESSIONAL
ENGINEER
65005

05-06-2022

DRAWING TITLE

ELECTRICAL ONE-LINE
DIAGRAMS & SCHEDULES

PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

DATE

03/30/2022

PLOT SCALE

656-21-235

BUILDING NO

7

CHECKED BY

IMEG

DRAWN

IMEG

DRAWING NO

07-E500

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

F

MAOUNTING: SURFACE

ENCLOSURE: NEMA PB 1

FED FROM: 7-P3

LOCATION: TELECOM ROOM 102A

SOLID NEUTRAL
GROUND BUS

MAIN: 100 A MCB

VOLTS: 120/208 Wye

PHASE: 3

WIRE: 4

SCCR: 10 KA

NOTES: PROVIDE INTEGRAL ELECTRIC METER IN PANEL.

KEY	CKT NO.	LOAD DESCRIPTION	OCDP		WIRE			A	B	C	WIRE			OCDP	LOAD DESCRIPTION	CKT NO.	KEY	
			AMPS	P	H	N	G				G	N	H					P
	1	TELECOM ROOM REC.	20 A	1				0.54	0					1	20 A	SPARE	2	
	3	121-20R RACK	20 A	3					1.67	0				1	20 A	SPARE	4	
--	5	--	--	--	--	--	--			1.67	0		--	1	20 A	SPARE	6	
--	7	--	--	--	--	--	--	1.67	0				--	1	20 A	SPARE	8	
	9	LIGHTING	20 A	1					0.18	0				1	20 A	SPARE	10	
	11	WP GR REC.	20 A	1						0.18	0			1	20 A	SPARE	12	
	13	CU-7-1	20 A	2				1	0					1	20 A	SPARE	14	
	15	--	--	--	--	--	--		1	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:		3.21 kVA			2.94 kVA		1.85 kVA								
			Total Amps:		28.00			24.98		15.39								

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	0.178 kVA	100.00%	0.178 kVA
Power	7 kVA	100.00%	7 kVA
Receptacles	0.72 kVA	100.00%	0.72 kVA

TOTALS*

TOTAL CONNECTED LOAD:	7.90 kVA
TOTAL ESTIMATED DEMAND LOAD:	7.898 kVA
TOTAL CONNECTED AMPS:	21.92 A
TOTAL ESTIMATED DEMAND AMPS:	21.9 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:

F

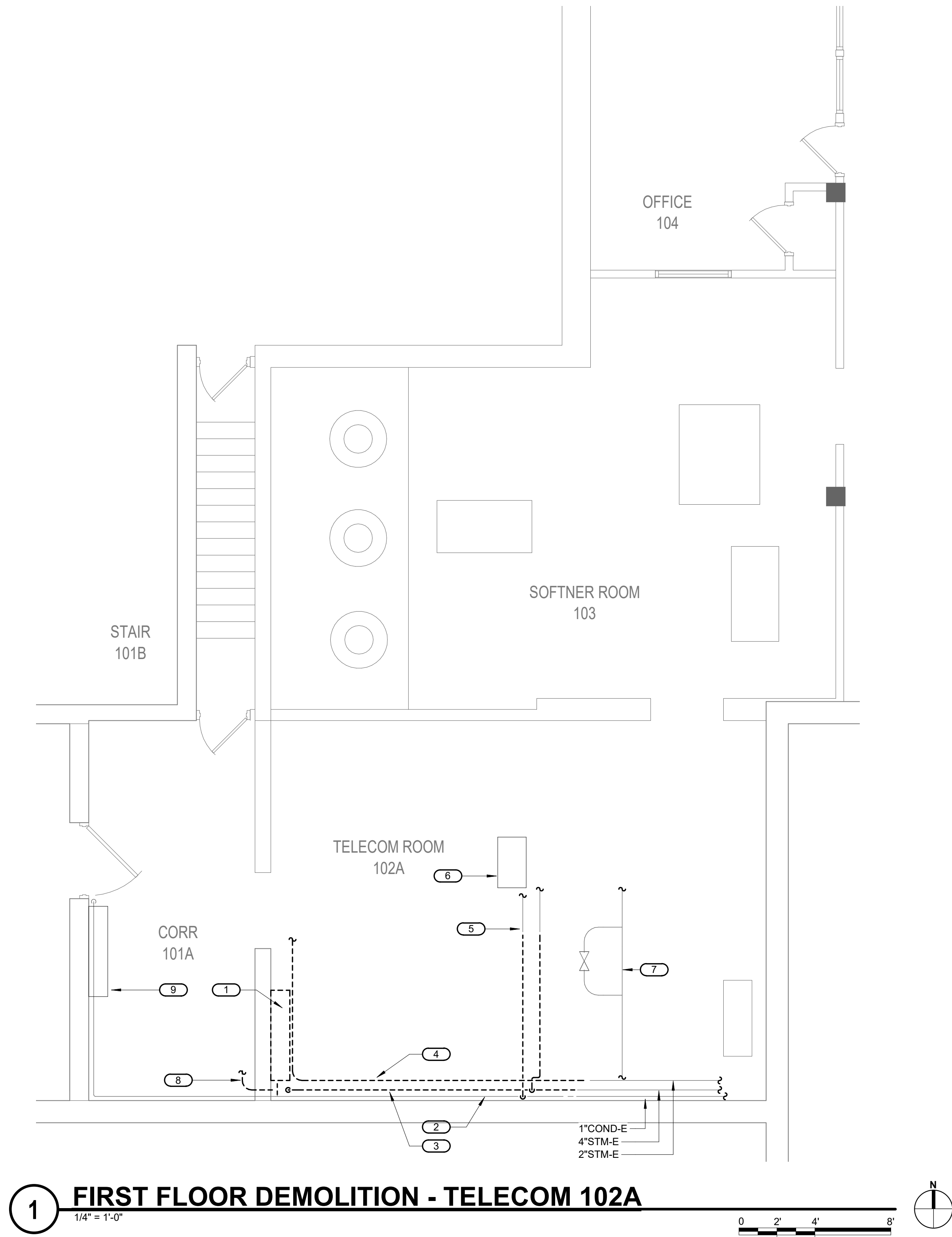
FIELD VERIFICATION NOTES

- 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 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.

KEYNOTES 1/07-M101:

#

- REMOVE AND DISPOSE OF CAST IRON STEAM RADIATOR AND ASSOCIATED PIPING AS SHOWN.
- EXISTING 1" CONDENSATE RETURN TO BE DEMO'D BACK TO LOCATION SHOWN. PREPARE PIPING FOR RECONNECTION.
- REMOVE EXISTING 4" STEAM PIPING AS SHOWN AND PREPARE ENDS FOR RECONNECTION. REFER TO 1/07-M201 FOR REINSTALLATION.
- REMOVE EXISTING 2" STEAM PIPING AS SHOWN AND PREPARE ENDS FOR RECONNECTION. REFER TO 1/07-M201 FOR REINSTALLATION.
- REMOVE EXISTING 1" CONDENSATE PIPING AS SHOWN AND PREPARE ENDS FOR RECONNECTION. REFER TO 1/07-M201 FOR REINSTALLATION.
- SUSPENDED STEAM HEATING UNIT TO REMAIN.
- 12" DOMESTIC WATER LINE TO REMAIN.
- 1-1/2" STEAM LINE SERVING RADIATOR TO BE DEMO'D BACK AND CAPPED.
- EXISTING STEAM GENERATOR TO REMAIN.



1 FIRST FLOOR DEMOLITION - TELECOM 102A

KEY PLAN

BIM 360/21102.001 - VA St Cloud EHRM Infrastructure Upgrades 656-235-B07.M_R21.rvt 5/11/2022 9:17:12 PM

100% CD	03/30	
No	REVISION	DATE

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ENGINEERING
SOLUTIONS

10360 Ellison Circle
Omaha, NE 68134
Phone: 402.991.5520
www.specializedeng.com

ARCHITECT/ENGINEER OF

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 me or under my direct supervision and that I am a duly Licensed Engineer under the laws of the State of Minnesota.

LICENSED PROFESSIONAL ENGINEER

Name: _____

Date: 03/30/2022

License Number: MN00711111

DRAWING TITLE

FIRST FLOOR
DEMOLITION -
MECHANICAL

PROJECT FILE

EHRM
INFRASTRUCTURE
UPGRADES

DATE
03/30/2022

PLOT SCALE

PROJECT NO.
656-21-235

DRAWING NO.
07-M101

BUILDING NO.
7 & 13

CHECKED BY
RDL

DRAWN
JCL

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY
SPRINKLERED

DWG. OF

VA

U.S. Department
of Veterans Affairs

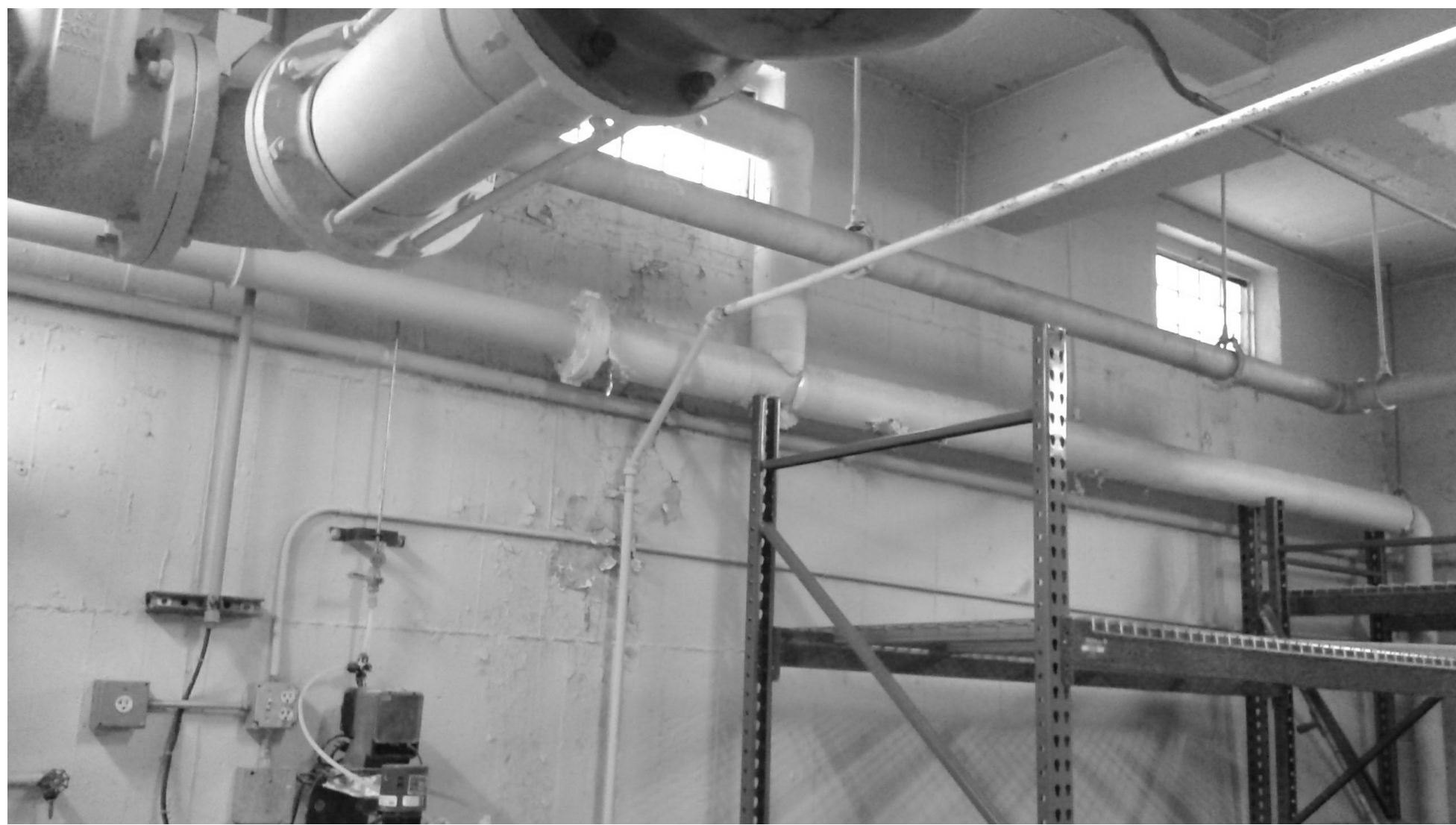
Veterans Health
Administration
St. Cloud VA
Health Care System

A



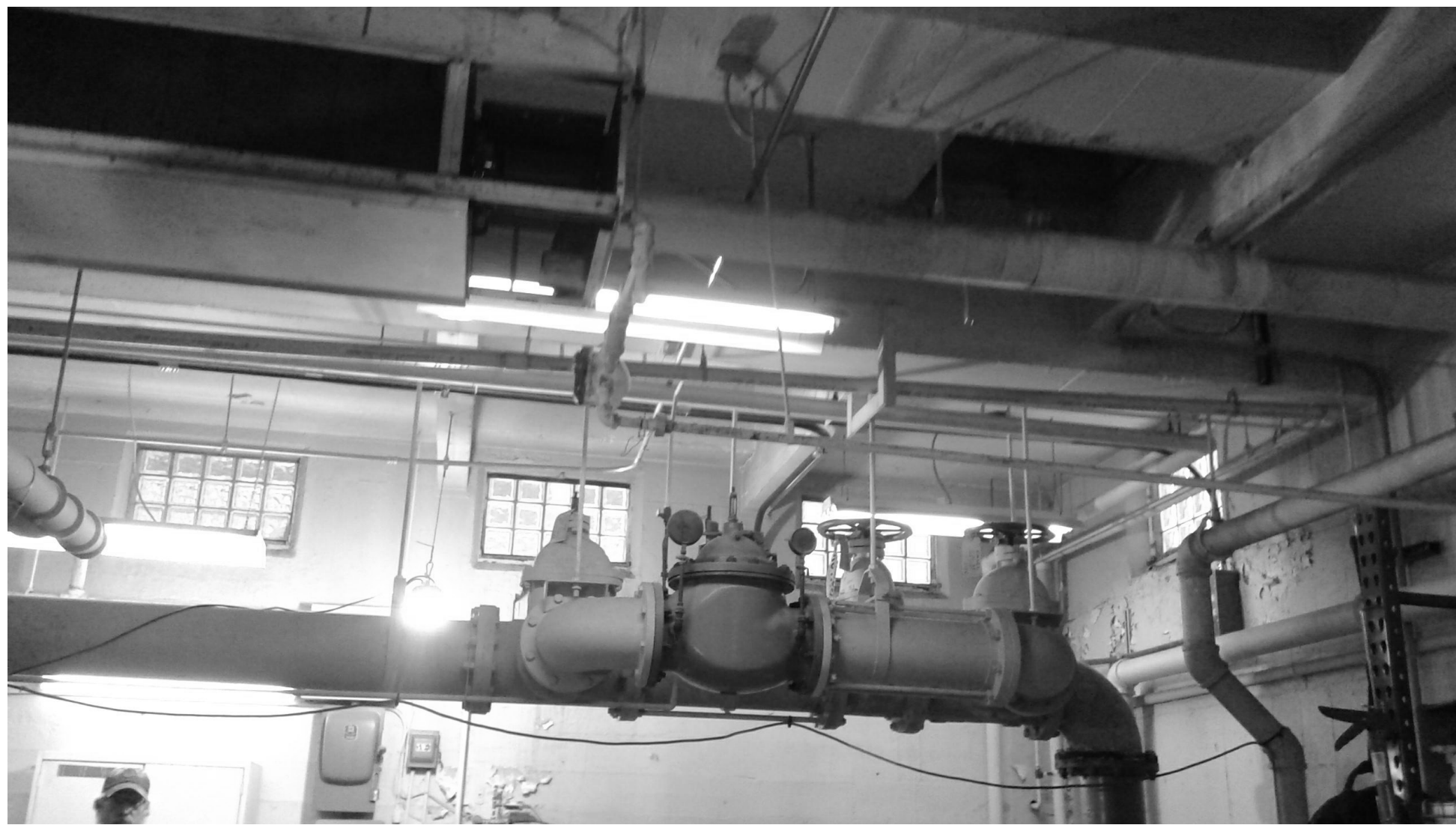
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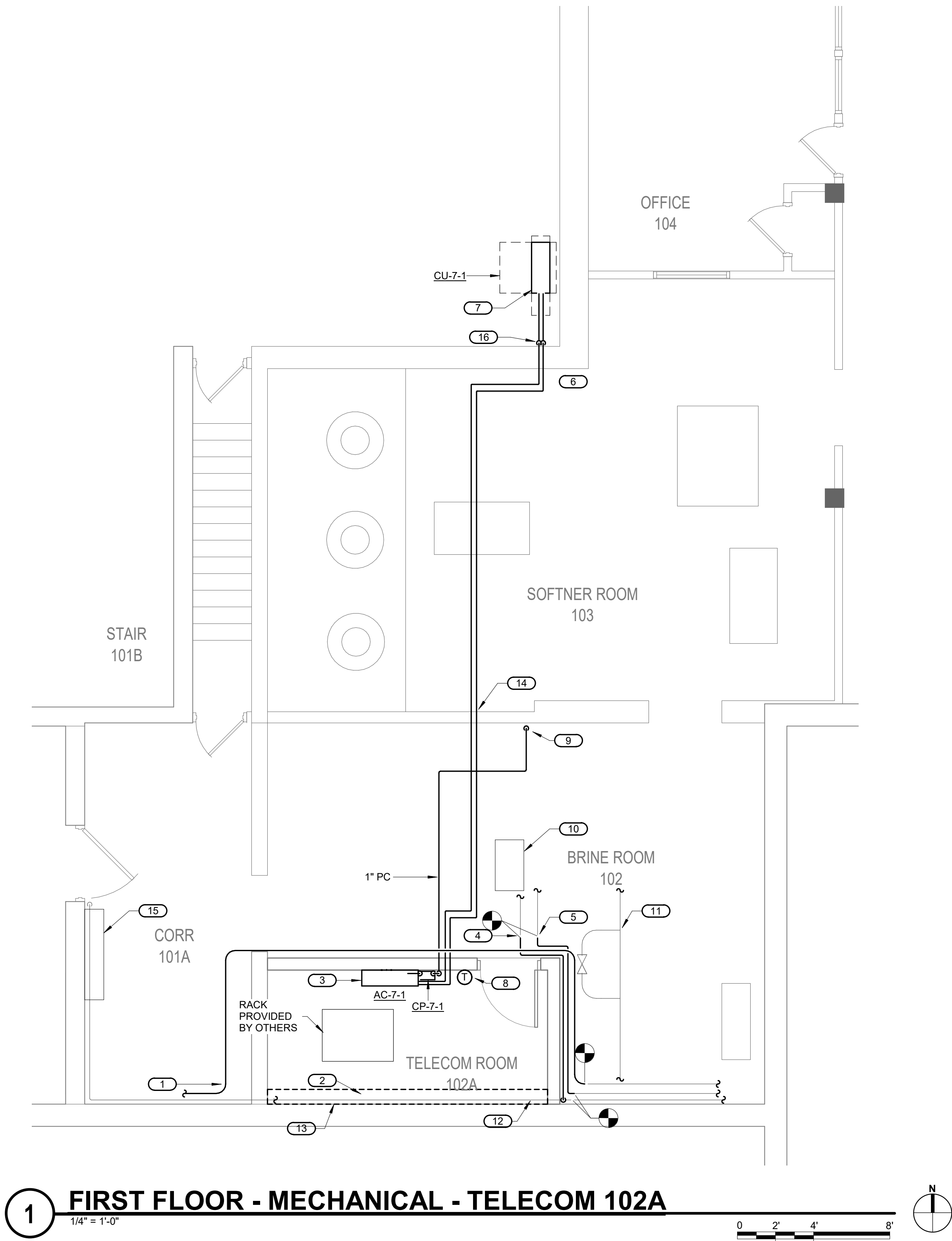
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FIELD VERIFICATION NOTES

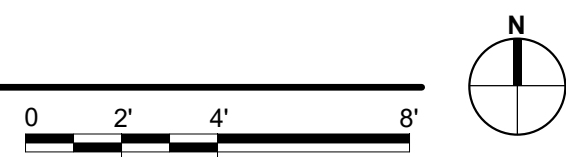
- THE HVAC CONTRACTOR SHOULD VISIT THE SITE **PRIOR TO BID** TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. THE FOLLOWING ITEMS SHALL BE VERIFIED:
 - EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER, AND CONDITION OF ALL EXISTING HVAC EQUIPMENT WITHIN SCOPE OF WORK, WHETHER EXPLICITLY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

KEYNOTES 107-M201: **2**

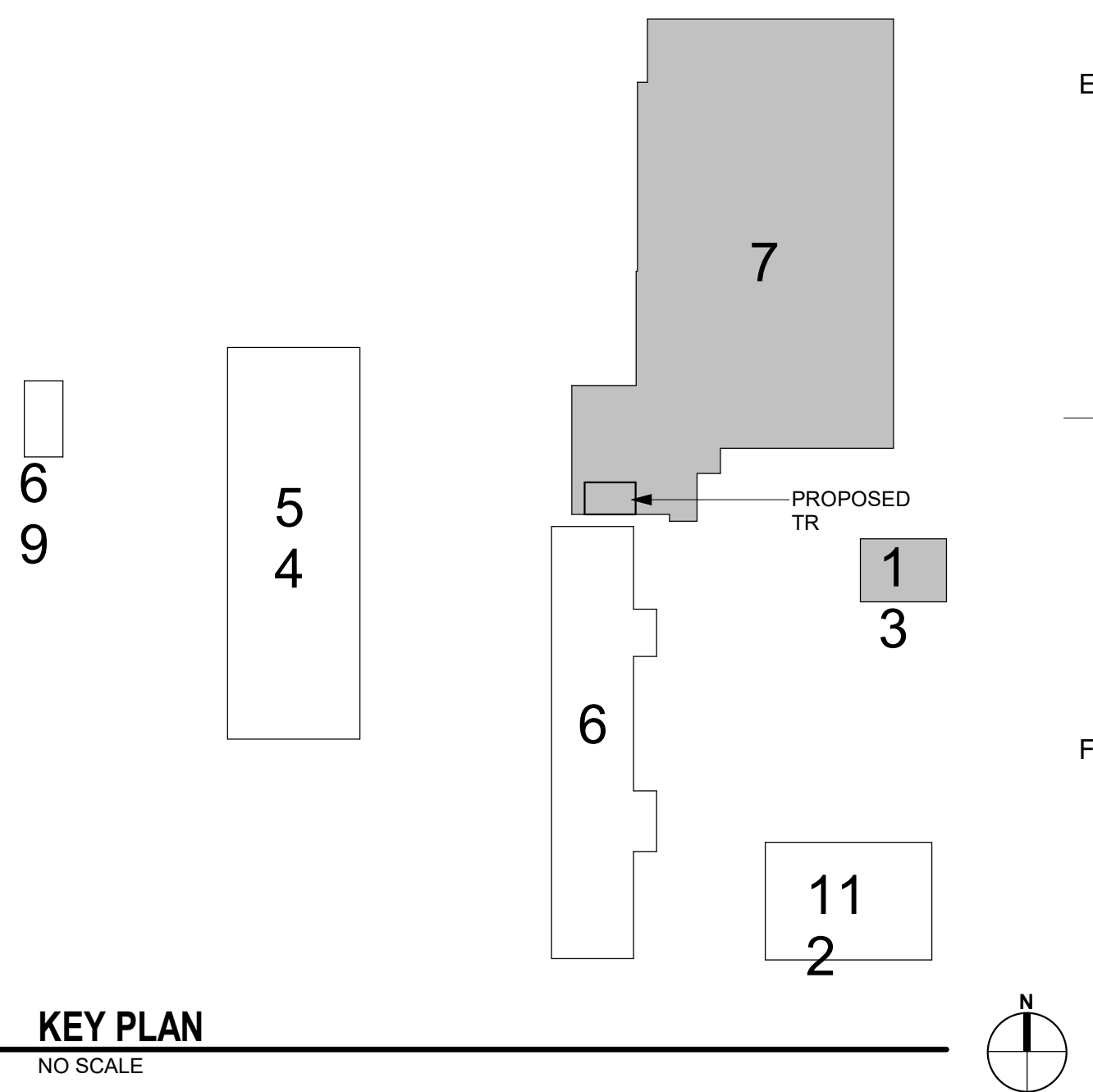
- REROUTE AND RECONNECT EXISTING 4" STEAM LINE. FIELD VERIFY EXACT LOCATION.
- RE-PIPE AND SLEEVE EXISTING 1" CONDENSATE LINE.
- NEW WALL MOUNTED DUCTLESS COOLING UNIT AC-7-1.
- RE-ROUTE AND RECONNECT AND RECONNECT EXISTING 1" CONDENSATE LINE.
- RE-ROUTE AND RECONNECT EXISTING 2" STEAM LINE.
- ROUTE NEW REFRIGERANT PIPING TO AC-7-1 UNIT IN TELECOM 102A.
- NEW AIR-COOLED CONDENSING UNIT. PROVIDE CONCRETE PAD. REFER TO 100-GM400 FOR REFRIGERANT PIPING DETAIL. REFER TO 300-GM401 FOR UNIT MOUNTING DETAIL.
- PROVIDE NEW THERMOSTAT
- ROUTE 1" CONDENSATE LINE TO EXISTING SUMP. FIELD VERIFY REQUIREMENTS.
- EXISTING SUSPENDED STEAM HEATING UNIT TO REMAIN.
- EXISTING DOMESTIC WATER LINE. VERIFY NEW WALL PROXIMITY AND COORDINATE WITH ARCHITECT/ENGINEER.
- EXTEND EXISTING 4" STEAM LINE 10 FEET TO THE EAST.
- PROVIDE PIPE DRIP PAN AND PIPE WRAP ON TWO 4" PLUMBING PIPE RUN. SEE DETAIL 601-M400.
- ROUTE NEW REFRIGERANT PIPING THROUGH EXISTING OPENING IN WALL. SEAL WALL PENETRATION AS SPECIFIED.
- EXISTING STEAM GENERATOR TO REMAIN.
- REFER TO 400-GM401 FOR WALL PENETRATION SEALING DETAIL.



1 FIRST FLOOR - MECHANICAL - TELECOM 102A
1/4" = 1'-0"



KEY PLAN
NO SCALE



2 TELECOM 102A PHOTOS
NO SCALE