

BUILDING 1 - EHRM INFRASTRUCTURE UPGRADES

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



PROPOSED ADDITION

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@vaicmt.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

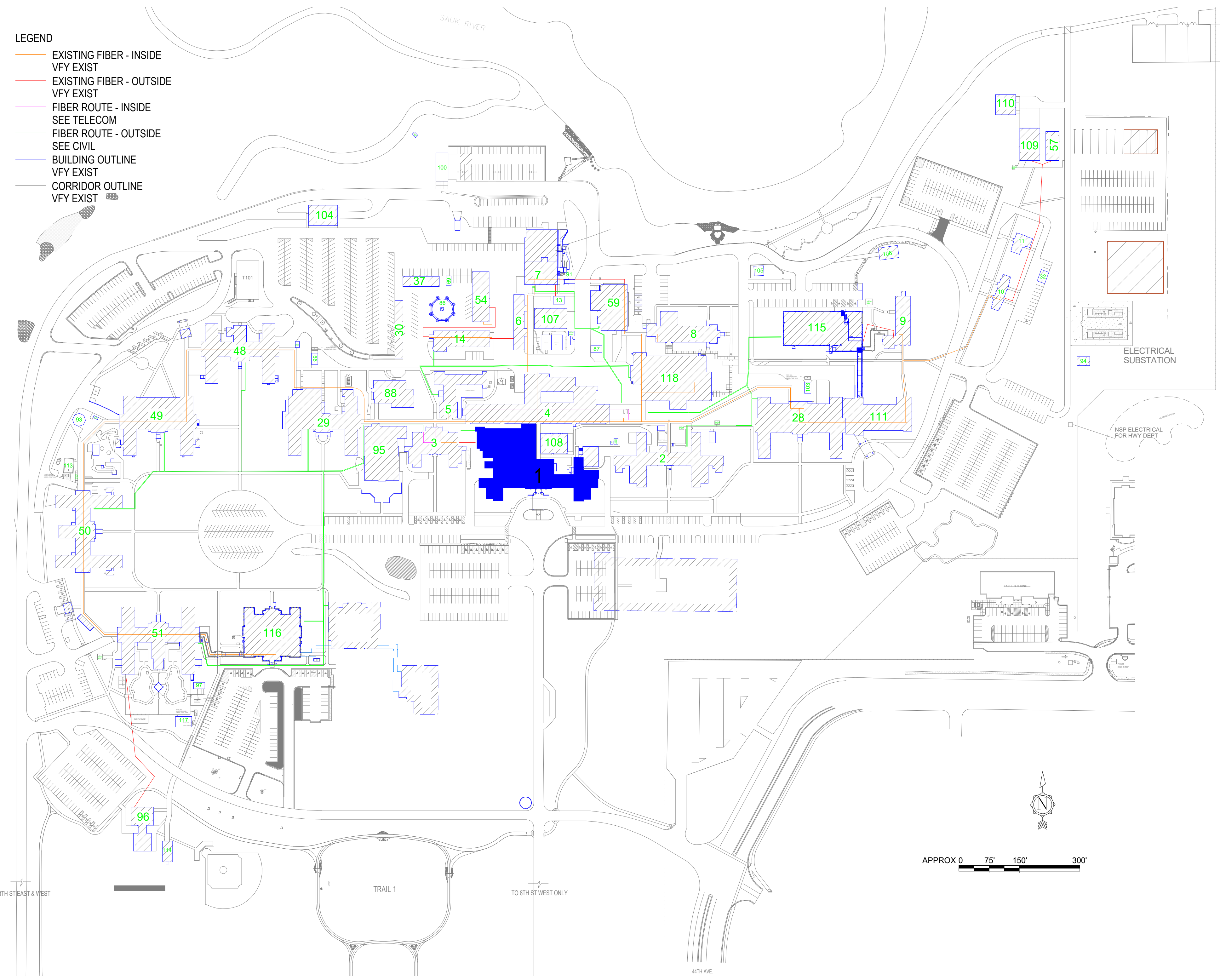
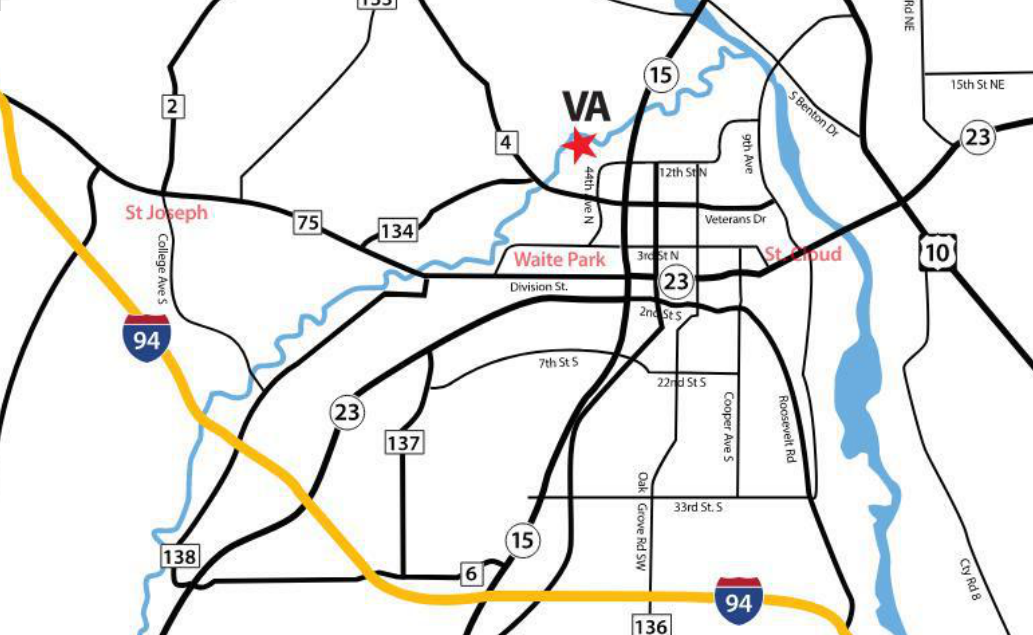
TELECOMMUNICATIONS ENGINEER:
NAME: SPECIALIZED ENGINEERING SOLUTIONS
ADDRESS: 10390 ELLISON CIRCLE
 OMAHA, NE 68134

CONTACT: KRIS BURNHAM
PHONE: 402-991-5520

MECHANICAL/ELECTRICAL/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 1 - SET 1 OF 2

SHEET NO.	SHEET TITLE
1-G1000	BUILDING 1 COVER SHEET & SHEET INDEX
1-G1101	BASEMENT FLOOR - INFECTION CONTROL & PHASING PLAN
1-G1111	FIRST FLOOR - INFECTION CONTROL & PHASING PLAN
1-G1120	SECOND FLOOR LIFE SAFETY PLAN
1-G1211	SECOND FLOOR - INFECTION CONTROL & PHASING PLAN
1-4A-1A	REFERENCE - BASEMENT FLOOR ASBESTOS RE-SURVEY
1-4A-2A	REFERENCE - FIRST FLOOR ASBESTOS RE-SURVEY
1-4A-3A	REFERENCE - SECOND FLOOR ASBESTOS RE-SURVEY
1-4A-4A	REFERENCE - THIRD / ATTIC FLOOR ASBESTOS RE-SURVEY
1-AS100	BASEMENT FLOOR - OVERALL PLAN
1-AS110	FIRST FLOOR - OVERALL PLAN
1-AS120	SECOND FLOOR - OVERALL PLAN
1-AS130	ATTIC FLOOR - OVERALL PLAN
1-AS400	LARGE SCALE PLANS
1-AS430	BUILDING ADDITION AND ROOF PLAN
1-AS600	ELEVATIONS, DETAILS, SCHEDULES
1-AS601	INTERIOR PARTITION TYPES AND DETAILS
1-AS602	SECTION DETAILS
1-S120	SECOND FLOOR PLAN - OVERALL
1-S130	ATTIC FLOOR PLAN - OVERALL
1-S400	LARGE SCALE PLANS
01-E100	BASEMENT DEMOLITION - ELECTRICAL
01-E101	FIRST FLOOR DEMOLITION - ELECTRICAL
01-E200	BASEMENT - ELECTRICAL
01-E201	FIRST FLOOR - ELECTRICAL
01-E202	SECOND FLOOR - ELECTRICAL
01-E204	ROOF - ELECTRICAL
01-M000	MECHANICAL COVERSHEET
01-M100	BASEMENT DEMOLITION - MECHANICAL
01-M101	FIRST FLOOR DEMOLITION - MECHANICAL
01-M102	SECOND FLOOR DEMOLITION - MECHANICAL
01-M200	BASEMENT REMODEL - MECHANICAL
01-M201	FIRST FLOOR REMODEL - MECHANICAL
01-M202	SECOND FLOOR REMODEL - MECHANICAL
01-M600	MECHANICAL DETAILS AND DIAGRAMS
01-M600	MECHANICAL SCHEDULES

SEE GENERAL AND SET 2 SHEETS FOR ADDITIONAL INFORMATION

SHEET INDEX - BUILDING 1 - SET 2 OF 2

SHEET NO.	SHEET TITLE
1-TD100	BASEMENT FLOOR PLAN - TELECOM - DEMOLITION
1-TD110	FIRST FLOOR PLAN - TELECOM - DEMOLITION
1-TD120	SECOND FLOOR PLAN - TELECOM - DEMOLITION
1-TD130	THIRD FLOOR PLAN - TELECOM - DEMOLITION
1-TN100	BASEMENT FLOOR PLAN - TELECOMMUNICATIONS
1-TN110	FIRST FLOOR PLAN - TELECOMMUNICATIONS
1-TN120	SECOND FLOOR PLAN - TELECOMMUNICATIONS
1-TN130	THIRD FLOOR PLAN - TELECOMMUNICATIONS
1-TN200	BASEMENT FLOOR PLAN - TELECOM - CABLE DISTANCE
1-TN210	FIRST FLOOR PLAN - TELECOM - CABLE DISTANCE
1-TN220	SECOND FLOOR PLAN - TELECOM - CABLE DISTANCE
1-TN230	THIRD FLOOR PLAN - TELECOM - CABLE DISTANCE
1-TN300	ENLARGED PLANS - TELECOMMUNICATIONS - DEMO
1-TN400	ENLARGED PLANS - TELECOMMUNICATIONS
1-TN401	ENLARGED PLANS - TELECOMMUNICATIONS
1-TN402	ENLARGED PLANS - TELECOMMUNICATIONS
1-TN403	ENLARGED PLANS - TELECOMMUNICATIONS

SEE GENERAL AND SET 1 SHEETS FOR ADDITIONAL INFORMATION

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NO.	REVISION	DATE

CONSULTANT

10360 Ellison Circle
Omaha, NE 68134
Phone: 402-991-5520
www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

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.

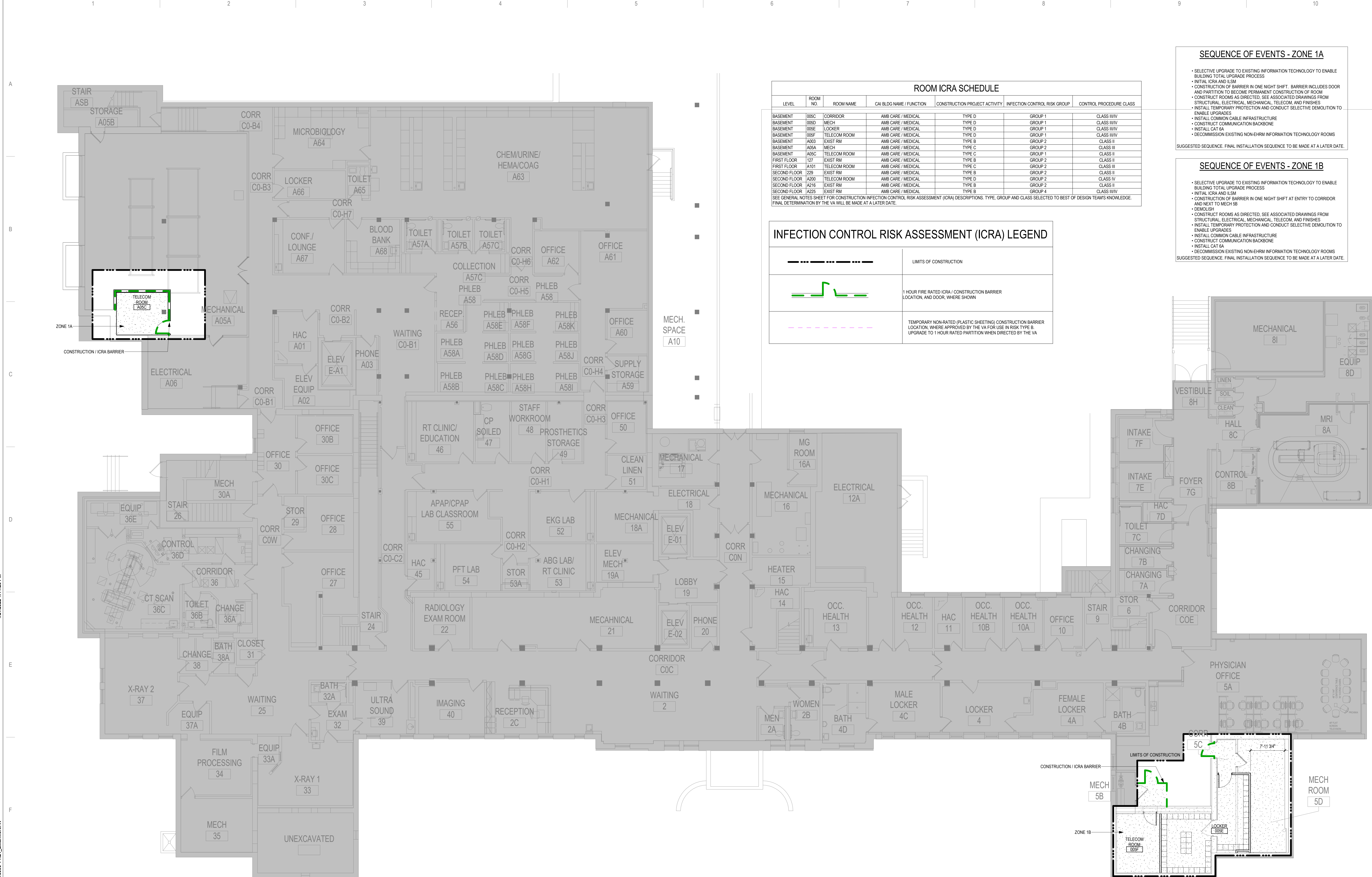
Name: *Tom Cieslak*
 Typed or Printed Name: Tom Cieslak
 Date: 03/30/2022 License Number: MN# 18157

APPROVED	DATE	APPROVED PROJECTOR	DATE	APPROVED PATIENT SAFETY	DATE	APPROVED O&M MANAGER	DATE	APPROVED DIRECTOR/FM	DATE

BUILDING 1 COVER SHEET & SHEET INDEX

PROJECT FILE: EHRM INFRASTRUCTURE UPGRADES
 DATE: 03/30/2022
 PLOT FILE:
 REVISION BY: 656-21-235
 BUILDING NO: 1
 CHECKED BY: TO, EM
 DRAWN BY: PC, EM
 SHEET NO: 1-G1000
 LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
 FULLY SPRINKLERED
 COVER OF

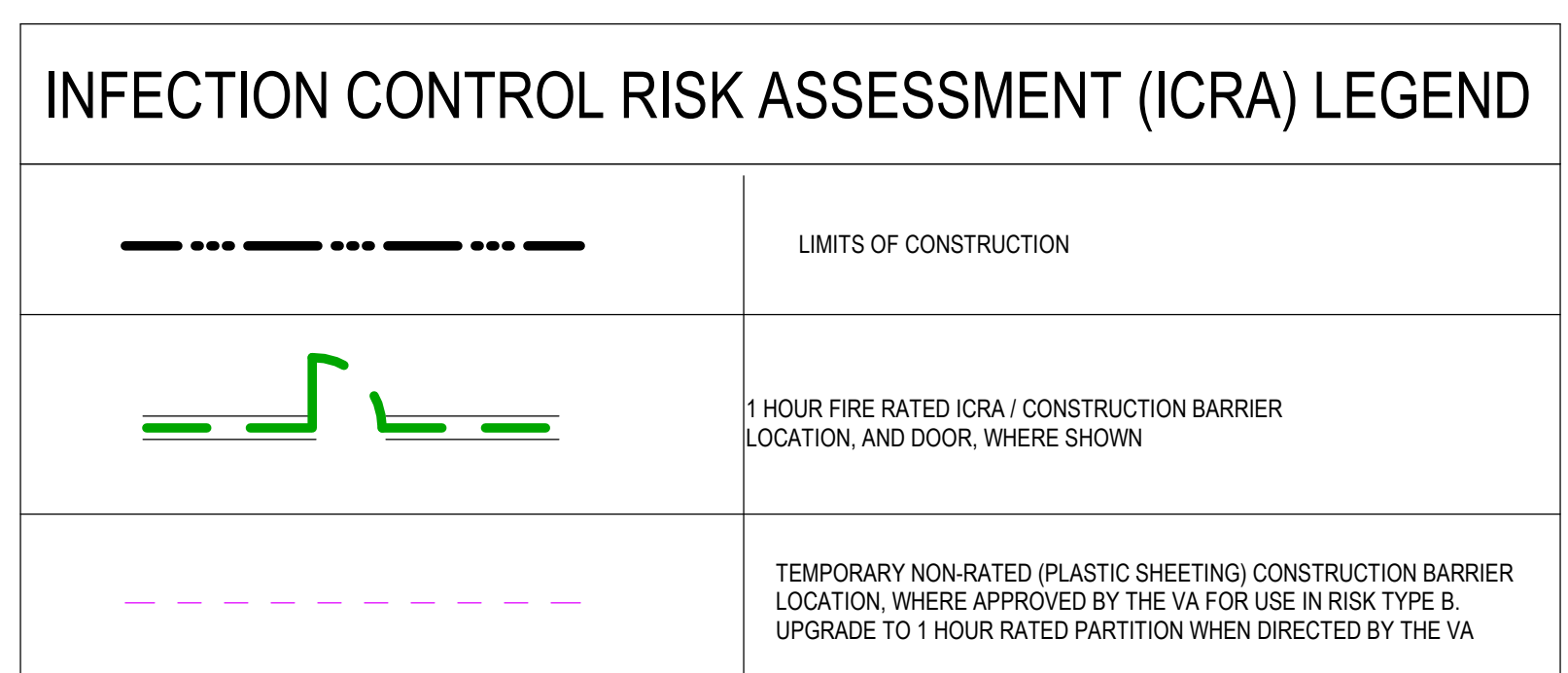
U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System



ROOM ICRA SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS
BASEMENT	006C	CORRIDOR	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	006D	MECH	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	006E	LOCKER	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	006F	TELECOM ROOM	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	A003	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
BASEMENT	A05A	MECH	AMB CARE / MEDICAL	TYPE C	GROUP 2	CLASS III
BASEMENT	A05C	TELECOM ROOM	AMB CARE / MEDICAL	TYPE C	GROUP 1	CLASS II
FIRST FLOOR	127	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
FIRST FLOOR	A101	TELECOM ROOM	AMB CARE / MEDICAL	TYPE C	GROUP 2	CLASS III
SECOND FLOOR	229	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
SECOND FLOOR	A200	TELECOM ROOM	AMB CARE / MEDICAL	TYPE D	GROUP 2	CLASS IV
SECOND FLOOR	A216	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
SECOND FLOOR	A225	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 4	CLASS III/IV

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.



- #### SEQUENCE OF EVENTS - ZONE 1A
- SELECTIVE UPGRADE TO EXISTING INFORMATION TECHNOLOGY TO ENABLE BUILDING TOTAL UPGRADE PROCESS
 - INITIAL ICRA AND LSM
 - CONSTRUCTION OF BARRIER IN ONE NIGHT SHIFT. BARRIER INCLUDES DOOR AND PARTITION TO BECOME PERMANENT CONSTRUCTION OF ROOM
 - CONSTRUCT ROOMS AS DIRECTED. SEE ASSOCIATED DRAWINGS FROM STRUCTURAL, ELECTRICAL, MECHANICAL, TELECOM, AND FINISHES
 - INSTALL TEMPORARY PROTECTION AND CONDUCT SELECTIVE DEMOLITION TO ENABLE UPGRADES
 - INSTALL COMMON CABLE INFRASTRUCTURE
 - CONSTRUCT COMMUNICATION BACKBONE
 - INSTALL CAT 6A
 - DECOMMISSION EXISTING NON-EHRM INFORMATION TECHNOLOGY ROOMS
- SUGGESTED SEQUENCE. FINAL INSTALLATION SEQUENCE TO BE MADE AT A LATER DATE.

- #### SEQUENCE OF EVENTS - ZONE 1B
- SELECTIVE UPGRADE TO EXISTING INFORMATION TECHNOLOGY TO ENABLE BUILDING TOTAL UPGRADE PROCESS
 - INITIAL ICRA AND LSM
 - CONSTRUCTION OF BARRIER IN ONE NIGHT SHIFT AT ENTRY TO CORRIDOR AND NEXT TO MECH 5B
 - DEMOLISH
 - CONSTRUCT ROOMS AS DIRECTED. SEE ASSOCIATED DRAWINGS FROM STRUCTURAL, ELECTRICAL, MECHANICAL, TELECOM, AND FINISHES
 - INSTALL TEMPORARY PROTECTION AND CONDUCT SELECTIVE DEMOLITION TO ENABLE UPGRADES
 - INSTALL COMMON CABLE INFRASTRUCTURE
 - CONSTRUCT COMMUNICATION BACKBONE
 - INSTALL CAT 6A
 - DECOMMISSION EXISTING NON-EHRM INFORMATION TECHNOLOGY ROOMS
- SUGGESTED SEQUENCE. FINAL INSTALLATION SEQUENCE TO BE MADE AT A LATER DATE.

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

No.	REVISION	DATE

CONSULTANT

SPECIALIZED ENGINEERING SOLUTIONS
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ARCHITECT/ENGINEER OF RECORD

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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
BASEMENT FLOOR - INFECTION CONTROL & PHASING PLAN

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

BUILDING NO.
1

CHECKED BY
EM

DRAWN BY
BMW

SHOWN BY
1-G101

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

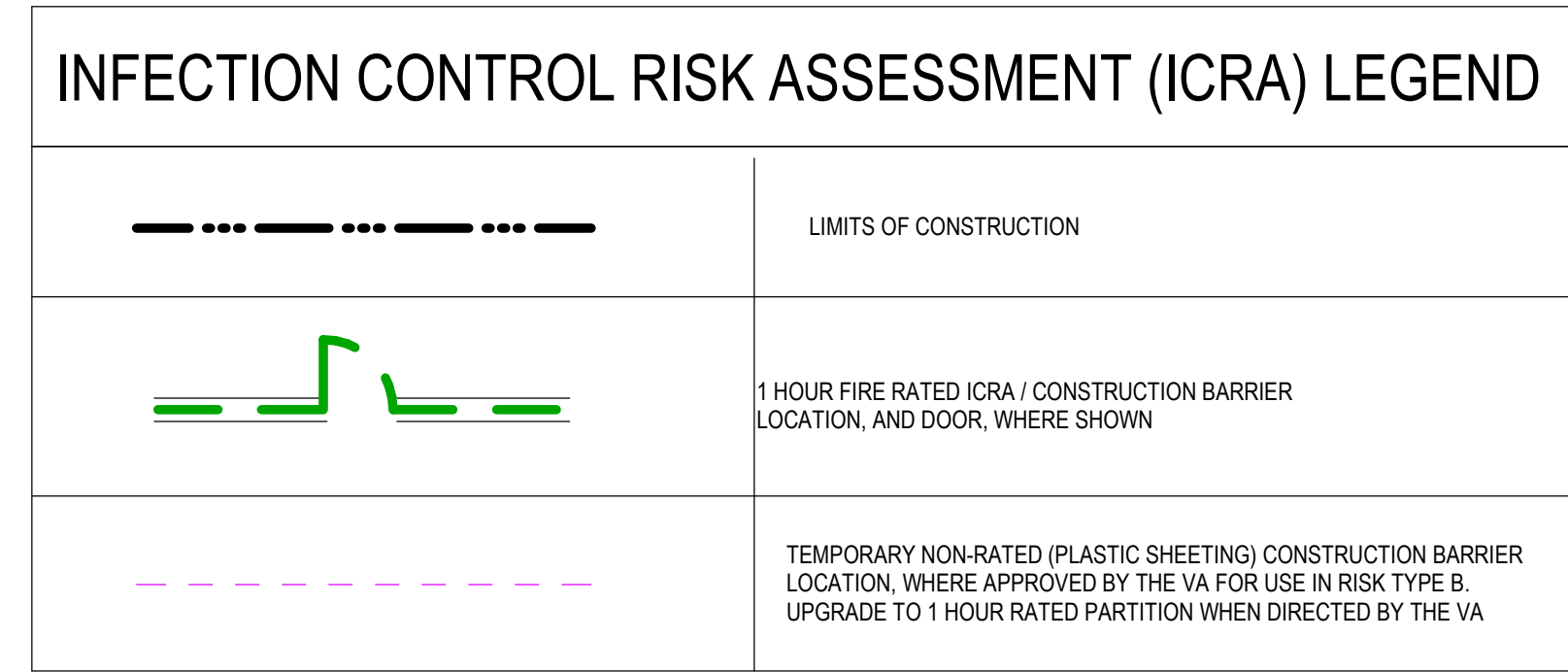
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ROOM ICRA SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS
BASEMENT	005C	CORRIDOR	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	005D	MECH	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	005E	LOCKER	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	005F	TELECOM ROOM	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	A003	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
BASEMENT	A05A	MECH	AMB CARE / MEDICAL	TYPE C	GROUP 2	CLASS III
BASEMENT	A05C	TELECOM ROOM	AMB CARE / MEDICAL	TYPE C	GROUP 1	CLASS II
FIRST FLOOR	127	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
FIRST FLOOR	A101	TELECOM ROOM	AMB CARE / MEDICAL	TYPE C	GROUP 2	CLASS III
SECOND FLOOR	229	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
SECOND FLOOR	A200	TELECOM ROOM	AMB CARE / MEDICAL	TYPE D	GROUP 2	CLASS IV
SECOND FLOOR	A216	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
SECOND FLOOR	A225	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 4	CLASS III/IV

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.



1 FIRST FLOOR - CONST BARRIER PLAN
1/8" = 1'-0"

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No.	REVISION	DATE

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

DRAWING TITLE
FIRST FLOOR - INFECTION CONTROL & PHASING PLAN

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOTTING
656-21-235

BUILDING NO.
1

CHECKED BY
EM

DRAWN BY
BMW

SHOWN BY
1-G1111

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



LIFE SAFETY SYMBOLS

	1 HOUR FIRE BARRIER		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'		TRAVEL DISTANCE
	EXIT		EXIT DISCHARGE
	HORIZONTAL EXIT		EXIT ACCESS
	FIRE EXTINGUISHER		FIRE EXTINGUISHER CABINET
	LIMITS OF CONSTRUCTION		OCCUPANCY SEPARATION
	SMOKE COMPARTMENT BOUNDARY		HEALTH CARE SUITE
	SHAFT ADJACENT SYMBOLS SHOW PARTITION RATING AND DAMPER REQUIREMENTS		HAZARDOUS USE ADJACENT SYMBOLS SHOW PARTITION RATING. OPENINGS REQUIRE CLOSER & LATCH
	EXIT PASSAGEWAY RATE AS STAIR ALL OPENINGS TO BE RATED AS STAIR SHAFT		CORRIDOR WALLS TO LIMIT THE TRANSFER OF SMOKE
	ADJUNCT CORRIDOR or PSYCHIATRIC AREA or CONSTRUCTED WITH MIN. 4'-0" CLEAR WITH (PER CHAPTER 19)		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

TYPE(S) OF CONSTRUCTION

CONSTRUCTION TYPE(S)	(IBC CHAPTER 6)	IBC II-A
AREA SEPARATIONS / FIRE WALLS	SEE LIFE SAFETY PLANS	

1 SECOND FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

No.	REVISION	DATE

CONSULTANT

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

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Omaha, NE 68134
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ARCHITECT/ENGINEER OF RECORD

ANDERSON

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Name: *Tom Ciesak*

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

DRAWING TITLE
SECOND FLOOR LIFE SAFETY PLAN

PROJECT TITLE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
656-21-235

BUILDING No. 1
CHECKED BY EM
DRAWN BY BMW
SHOWN BY 1-GI/20

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

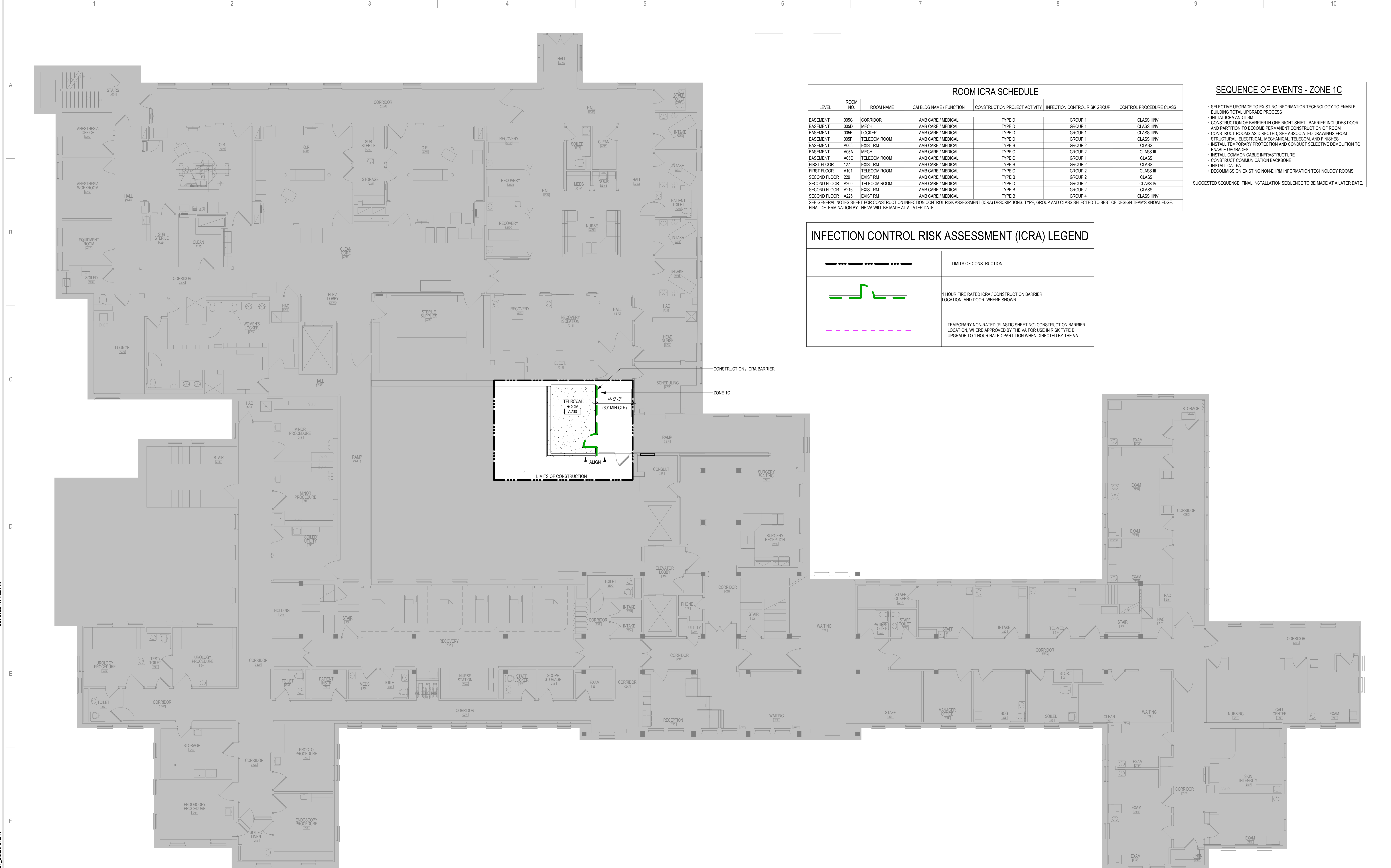
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DWG. OF

VA

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

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ROOM ICRA SCHEDULE						
LEVEL	ROOM NO.	ROOM NAME	CAI BLDG NAME / FUNCTION	CONSTRUCTION PROJECT ACTIVITY	INFECTION CONTROL RISK GROUP	CONTROL PROCEDURE CLASS
BASEMENT	0050	CORRIDOR	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	0050	MECH	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	0050	LOCKER	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	005F	TELECOM ROOM	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV
BASEMENT	A003	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
BASEMENT	A004	MECH	AMB CARE / MEDICAL	TYPE C	GROUP 2	CLASS III
BASEMENT	A00C	TELECOM ROOM	AMB CARE / MEDICAL	TYPE C	GROUP 1	CLASS II
FIRST FLOOR	117	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
FIRST FLOOR	A101	TELECOM ROOM	AMB CARE / MEDICAL	TYPE C	GROUP 2	CLASS III
SECOND FLOOR	229	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
SECOND FLOOR	A200	TELECOM ROOM	AMB CARE / MEDICAL	TYPE D	GROUP 2	CLASS IV
SECOND FLOOR	A216	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II
SECOND FLOOR	A225	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 4	CLASS III/IV

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.

- SEQUENCE OF EVENTS - ZONE 1C**
- SELECTIVE UPGRADE TO EXISTING INFORMATION TECHNOLOGY TO ENABLE BUILDING TOTAL UPGRADE PROCESS
 - INITIAL ICRA AND ILSM
 - CONSTRUCTION OF BARRIER IN ONE NIGHT SHIFT. BARRIER INCLUDES DOOR AND PARTITION TO BECOME PERMANENT CONSTRUCTION OF ROOM
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 - INSTALL CAT 6A
 - DECOMMISSION EXISTING NON-EHRM INFORMATION TECHNOLOGY ROOMS
- SUGGESTED SEQUENCE. FINAL INSTALLATION SEQUENCE TO 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 SECOND FLOOR - CONST BARRIER PLAN
1/8" = 1'-0"

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NO.	REVISION	DATE

CONSULTANT

AST SPECIALIZED ENGINEERING SOLUTIONS

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ANDERSON

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

DRAWING TITLE

SECOND FLOOR - INFECTION CONTROL & PHASING PLAN

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOTSCALE: 1/8" = 1'-0"
PROJECT NO: 656-21-235
DRAWING NO: 1-G1121

BUILDING NO: 1
CHECKED BY: EM
DRAWN BY: BMW
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

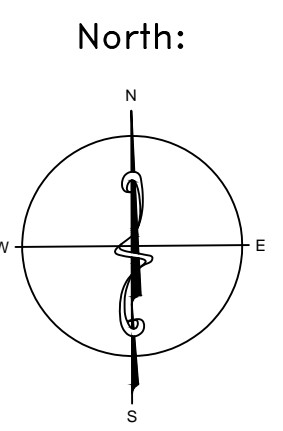


BUILDING #1 - BASEMENT FLOOR PLAN

LEGEND

- SAMPLE LOCATION
- POSITIVE SAMPLE LOCATION
- ASBESTOS-CONTAINING HARD FITTINGS ON FIBERGLASS
- ASBESTOS-CONTAINING FIRE DOOR
- ASBESTOS-CONTAMINATED SOIL IN CRAWLSPACE
- ASBESTOS-CONTAINING 12"x12" FLOOR TILE AND MASTIC

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



Drawing Title
**ARCHITECTURAL PLAN
 BUILDING 1
 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: 001
 Checked: BLB
 Drawn: AFS
 Location: ST. CLOUD, MINNESOTA

Date
NOVEMBER 2019

Project No.
36C26319P1003

Drawing No.
1A
 Sheet 02 of 71



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

A
 B
 C
 D
 E
 F

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

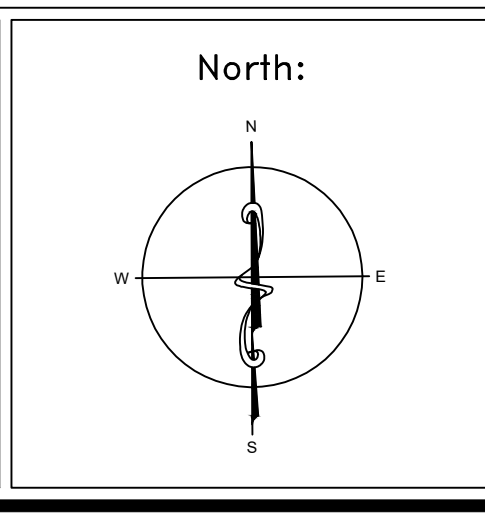


BUILDING #1 - FIRST FLOOR PLAN

- LEGEND**
- ASBESTOS-CONTAINING HARD FITTINGS ON FIBERGLASS
 - ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
 - ASBESTOS-CONTAINING BLACK TAR ON RAIN LEADER
 - ASBESTOS-CONTAINING FIRE DOOR
 - ASBESTOS-CONTAINING 9"X9" FLOOR TILE AND MASTIC
 - ASBESTOS-CONTAINING MASTIC UNDER 9"X9" FLOOR TILE
 - ASBESTOS-CONTAINING CAULK ON BRICK WALL

Revisions	Dates

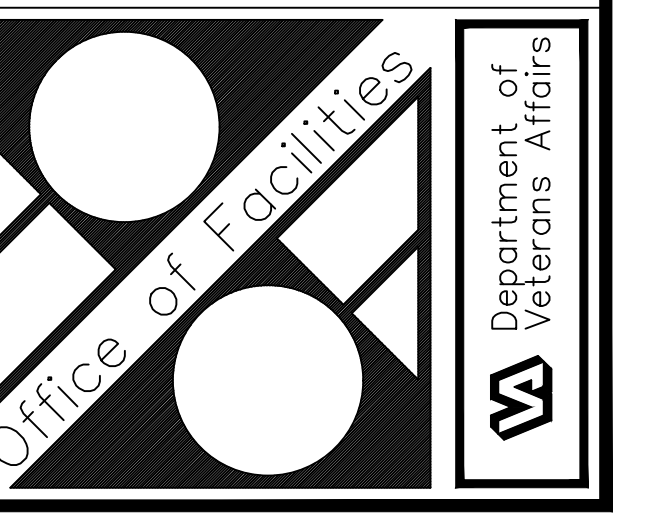
ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
 218-A MECHANIC STREET,
 WATERVILLE, OHIO 43566
 Tel: (567) 952-0212

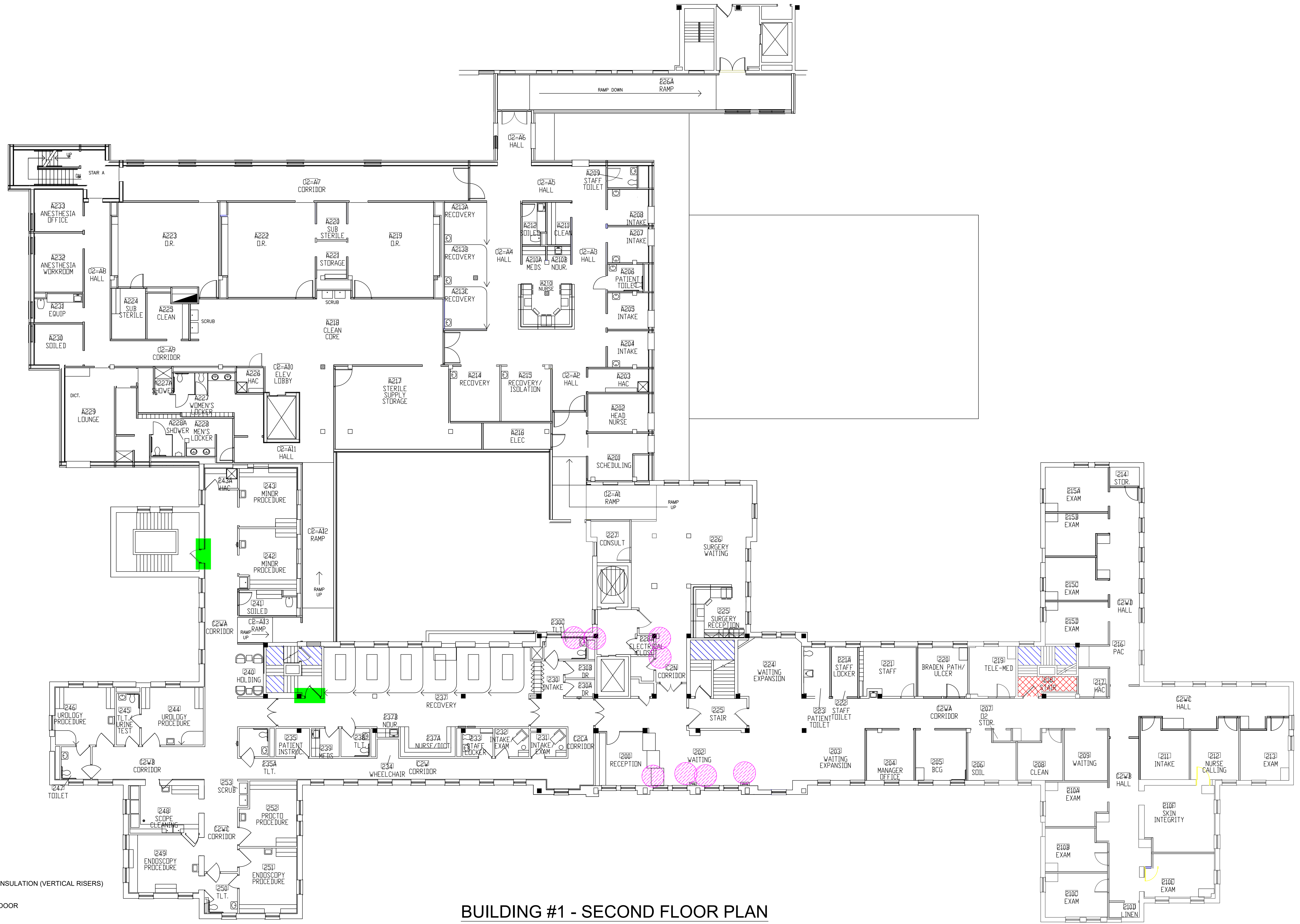


Drawing Title	ARCHITECTURAL PLAN BUILDING 1 Scale: 1/8" = 1'-0"
Approved: Division Chief	
Approved: Service Director	





Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	001	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	2A
Sheet	03 of 71





BUILDING #1 - SECOND FLOOR PLAN

- LEGEND**
-  -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
 -  -ASBESTOS-CONTAINING FIRE DOOR
 -  -ASBESTOS-CONTAINING 12"X12" FLOOR TILE AND MASTIC
 -  -ASBESTOS-CONTAINING MASTIC UNDER 9"X9" FLOOR TILE

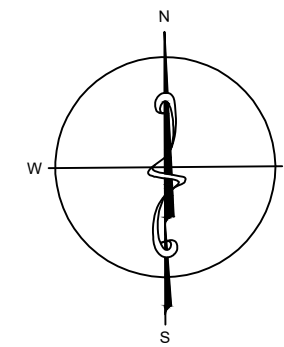
ENVIRONMENTAL CONSULTANTS:
CASTLE HILL ASSOCIATES, LLC.
 218-A MECHANIC STREET,
 WATERVILLE, OHIO 43566
 Tel: (567) 952-0212



Professional Seal:



North:



Drawing Title

**ARCHITECTURAL PLAN
 BUILDING 1
 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

001

Location

ST. CLOUD, MINNESOTA

Date

NOVEMBER 2019

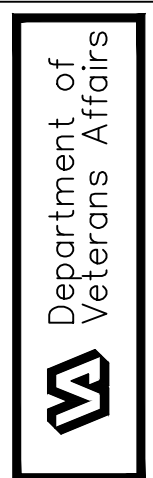
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36C26319P1003

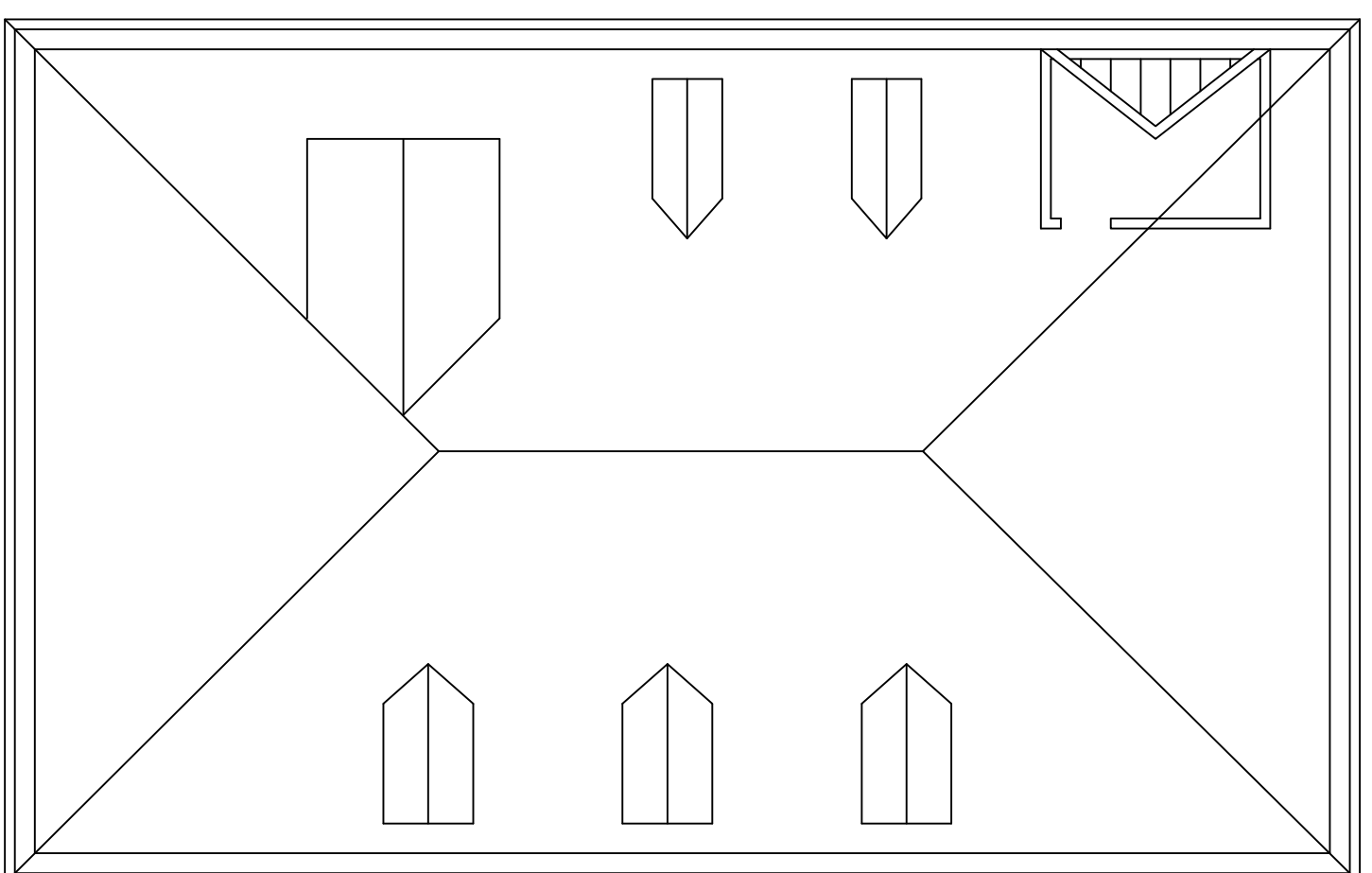
Drawing No.

3A

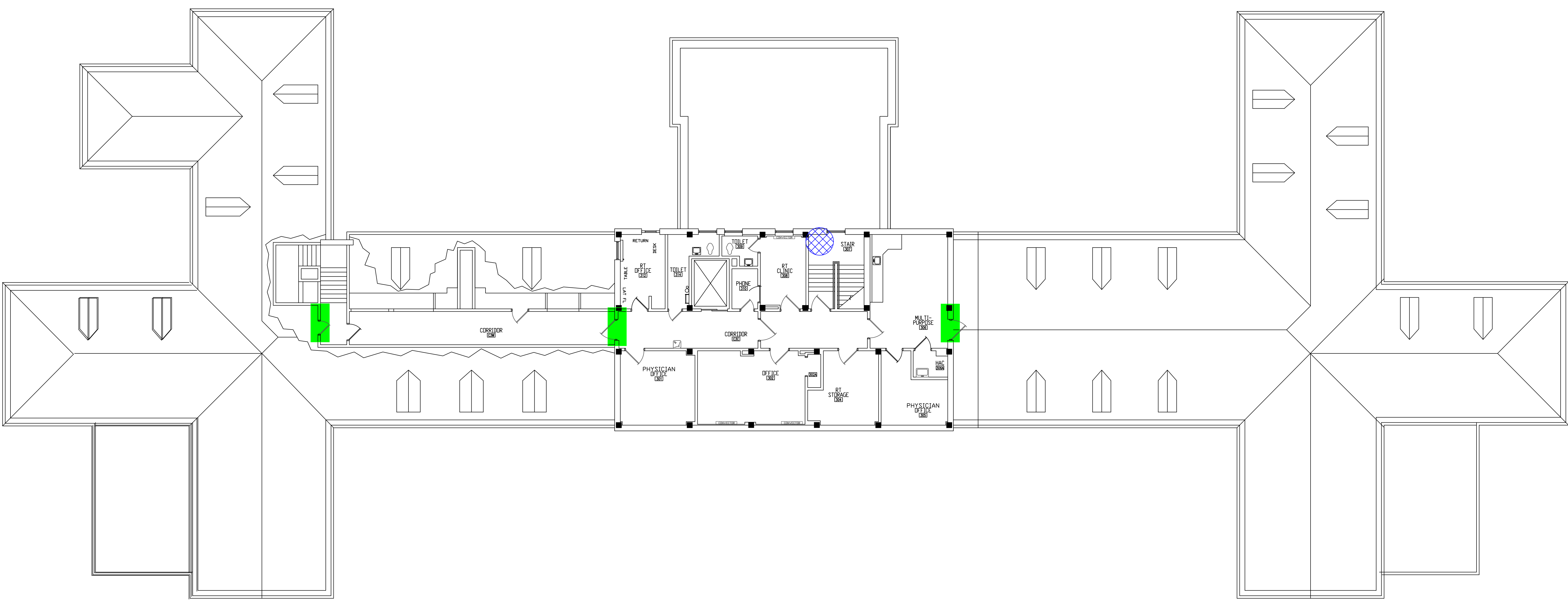
Sheet 04 of 71



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



BUILDING #1 - THIRD FLOOR ATTIC ROOF



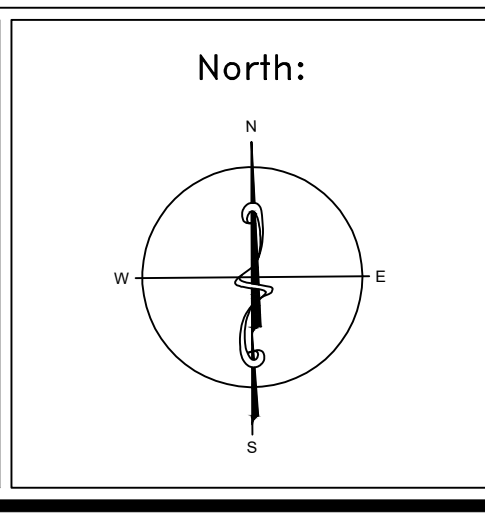
BUILDING #1 - THIRD FLOOR PLAN

LEGEND

- ASBESTOS-CONTAINING HARD FITTINGS ON FIBERGLASS
- ASBESTOS-CONTAINING FIRE DOOR

Revisions	Dates

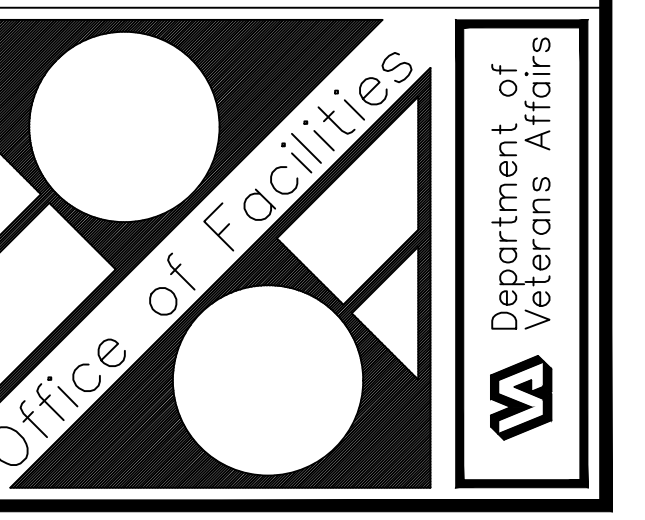
ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
 218-A MECHANIC STREET,
 WATERVILLE, OHIO 43566
 Tel: (567) 952-0212

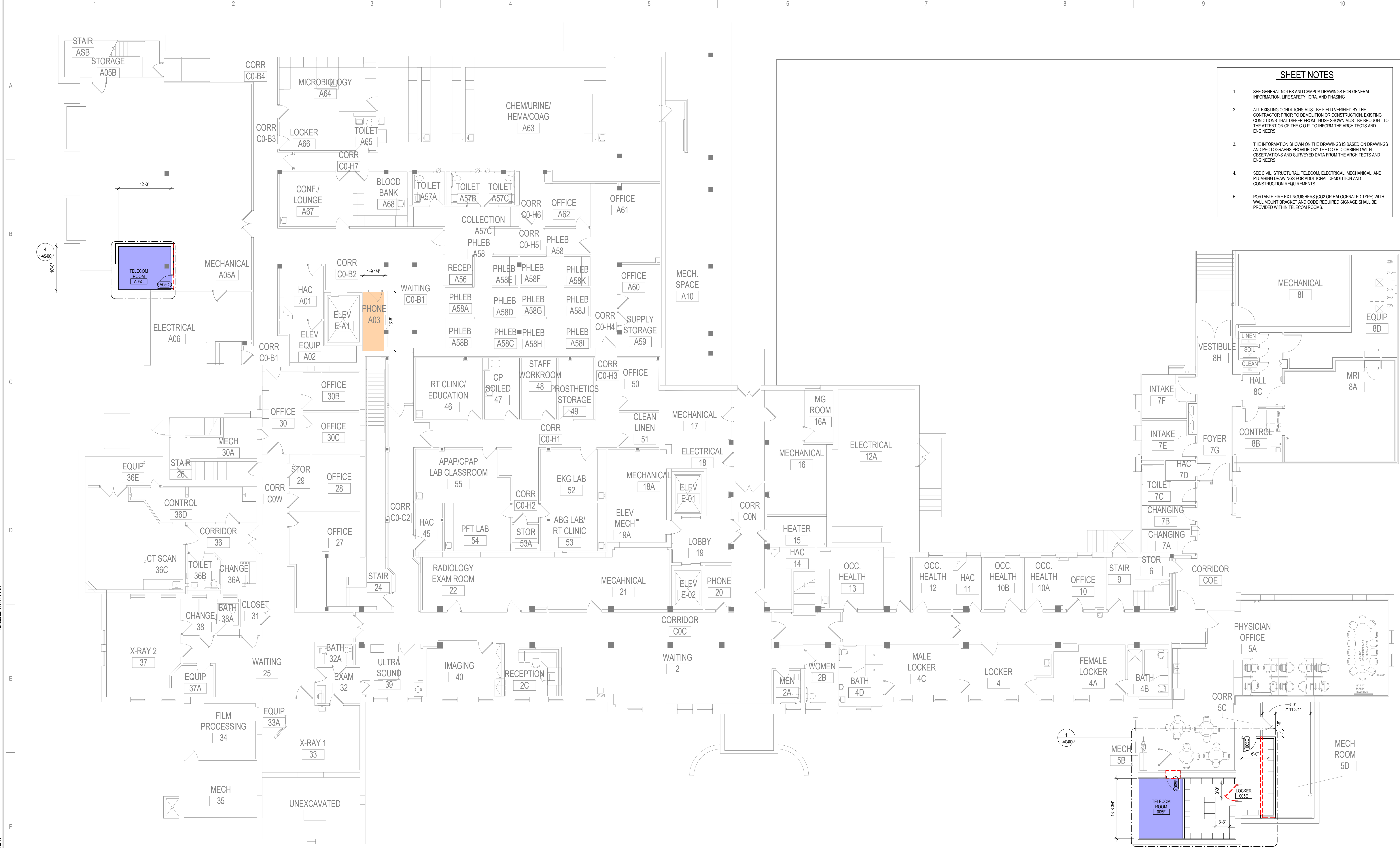


Drawing Title	ARCHITECTURAL PLAN BUILDING 1 Scale: 1/8" = 1'-0"
Approved: Division Chief	
Approved: Service Director	

Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	001	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

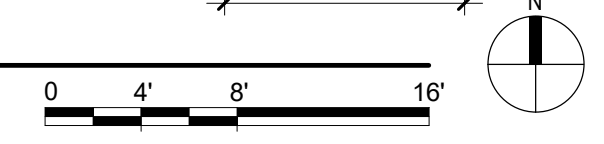
Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	4A
Sheet	05 of 71





- SHEET NOTES**
- SEE GENERAL NOTES AND CAMPUS DRAWINGS FOR GENERAL INFORMATION, LIFE SAFETY, ICRA, AND PHASING
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1 BASEMENT FLOOR - OVERALL PLAN
1/8" = 1'-0"



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No.	REVISION	DATE

CONSULTANT

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10360 Illinois Circle
Omaha, NE 68134
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www.specializedeng.com

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13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

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

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

DRAWING TITLE
BASEMENT FLOOR - OVERALL PLAN

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

BUILDING NO.
1

CHECKED BY
TO, EM

DRAWN BY
PC, EM

DRAWING NO.
1-AS100

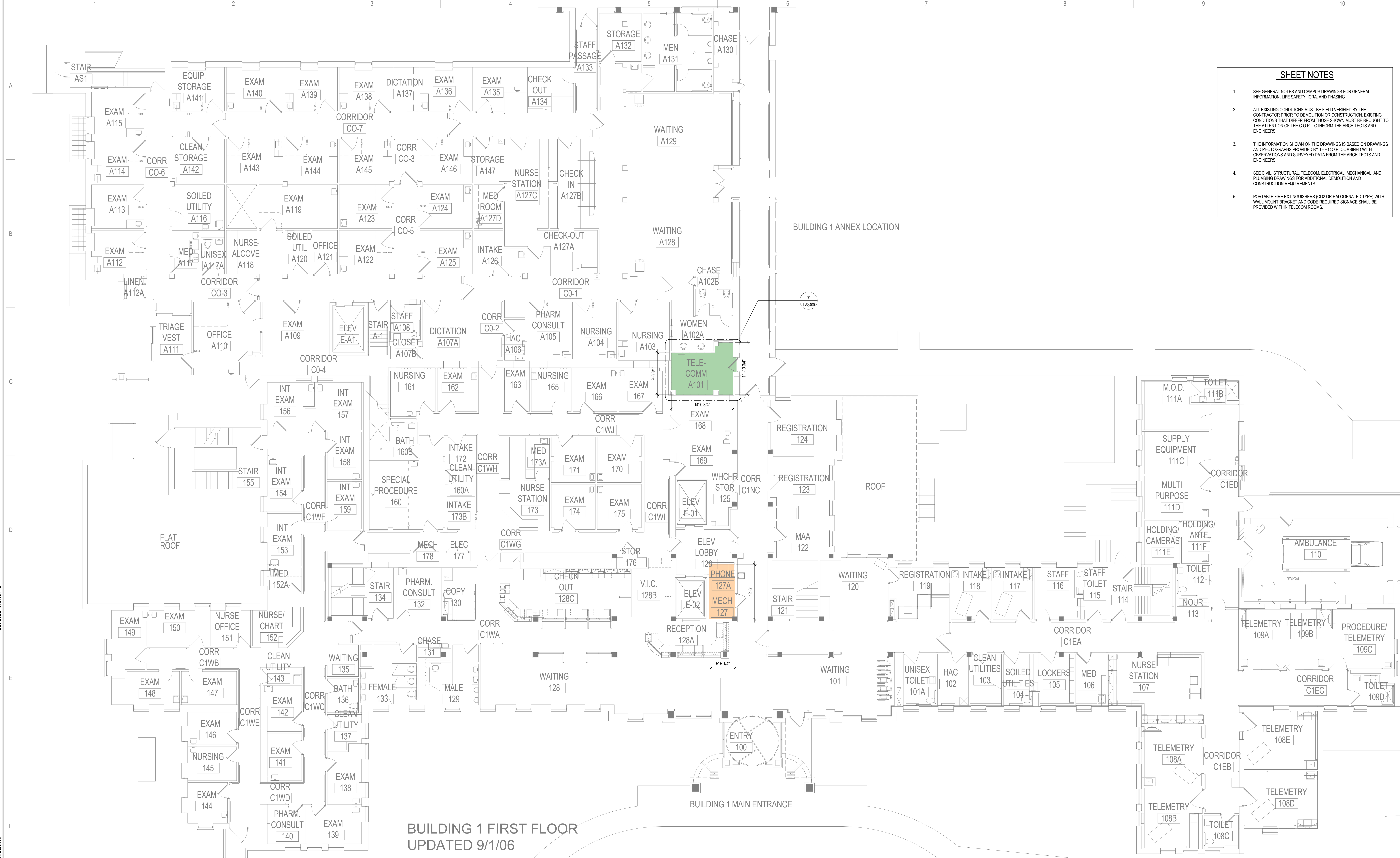
LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF

VA

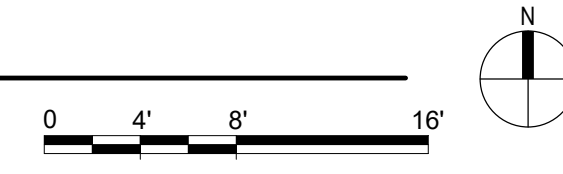
U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System



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BUILDING 1 FIRST FLOOR
UPDATED 9/1/06

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



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No.	REVISION	DATE

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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 Cieslak*
Typed or Printed Name: Tom Cieslak
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
AS SHOWN

PROJECT NO.
656-21-235

BUILDING NO.
1

CHECKED BY
TO, EM

DRAWN BY
PC, EM

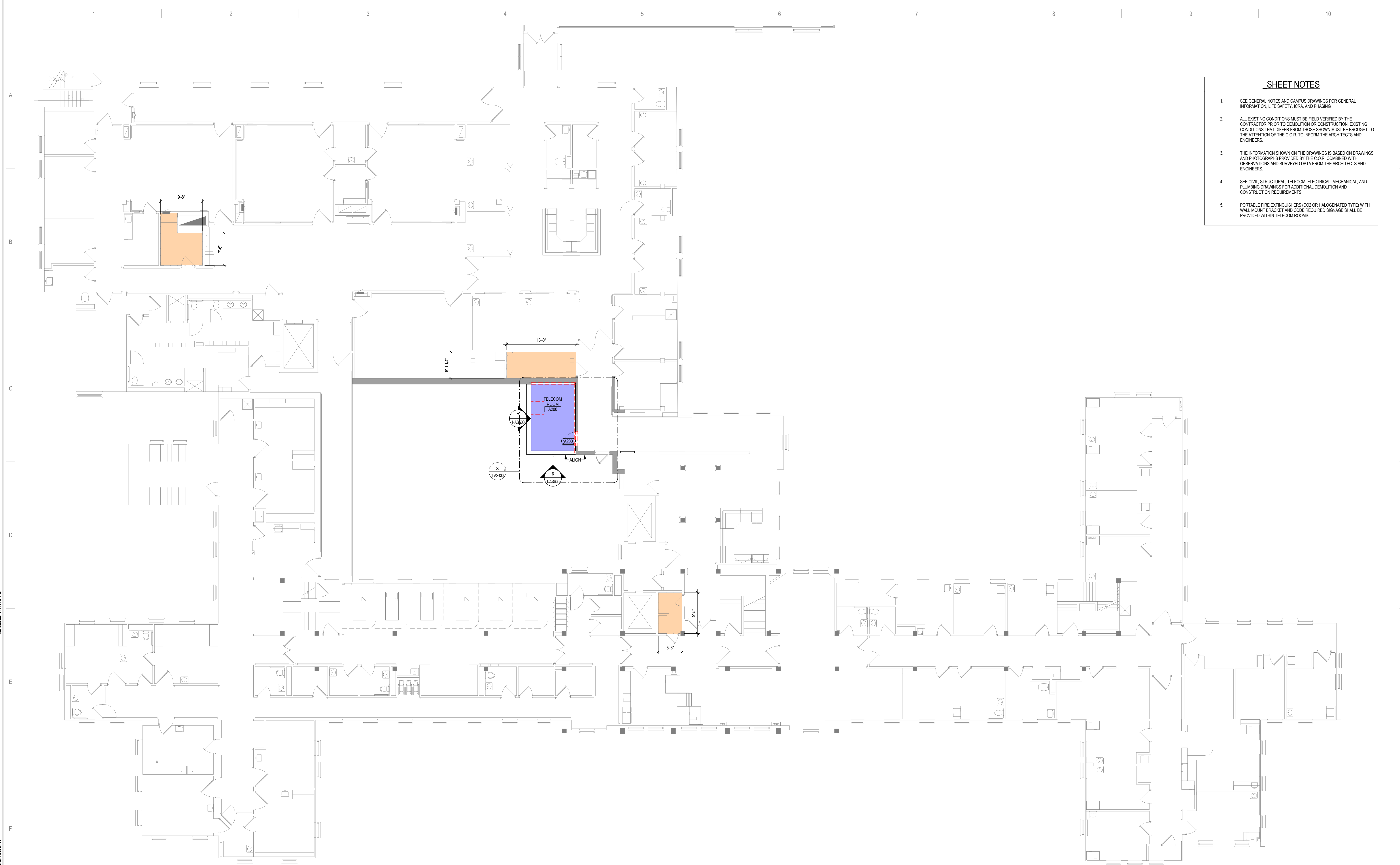
DRAWING NO.
1-AS110

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



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

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

DRAWING TITLE

SECOND FLOOR - OVERALL PLAN

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

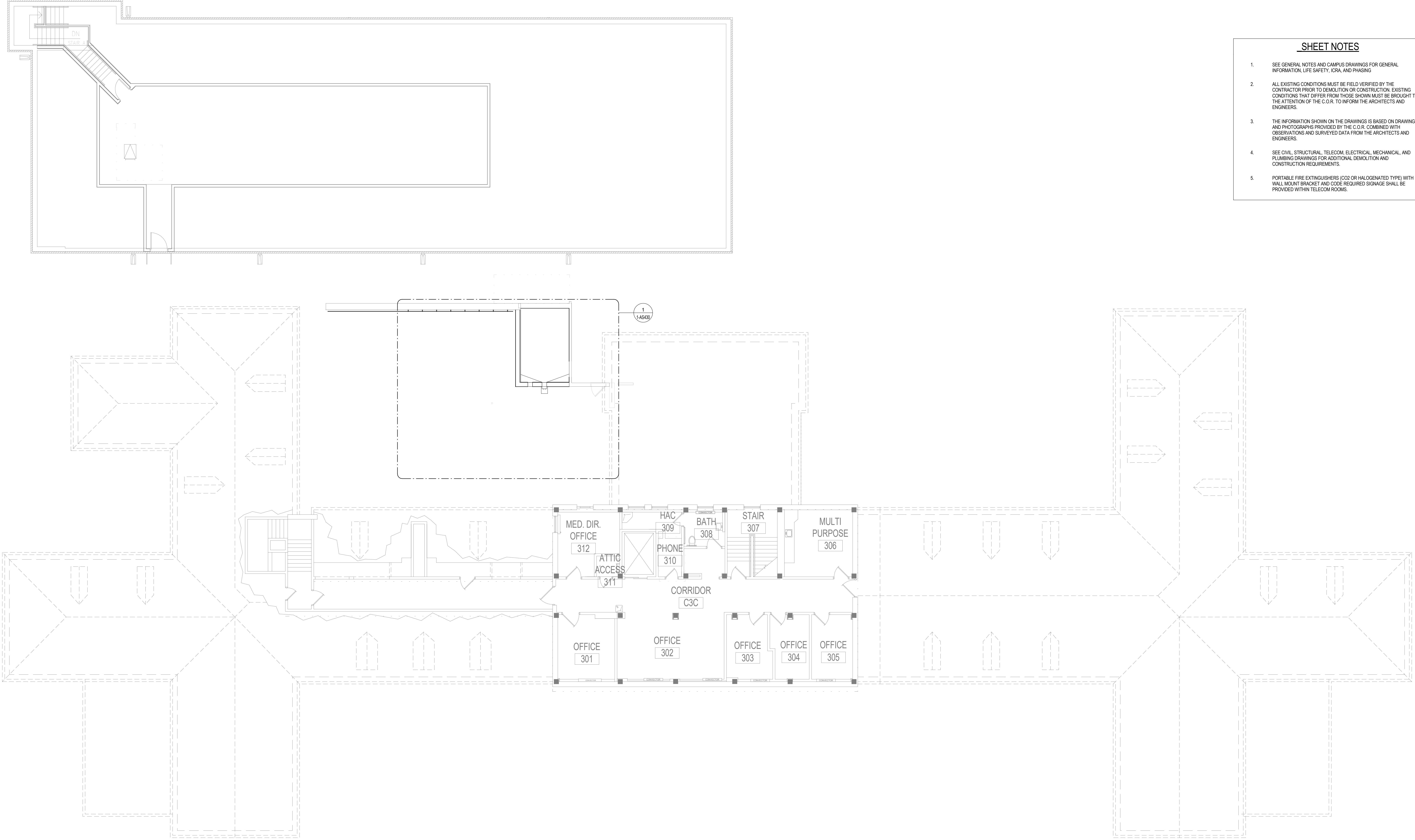
DATE: 03/30/2022
PLOT SCALE: 1/8" = 1'-0"
PROJECT NO: 656-21-235
DRAWING NO: 1-AS120

BUILDING No: 1
CREATED BY: TO, EM
DRAWN BY: PC, EM
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED

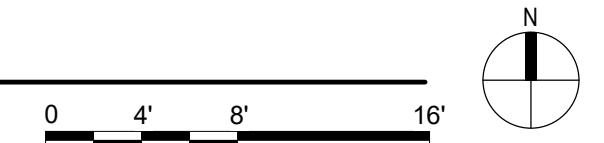
VA

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

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



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No.	REVISION	DATE

CONSULTANT

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Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

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

DRAWING TITLE

ATTIC FLOOR - OVERALL PLAN

PROJECT FILE

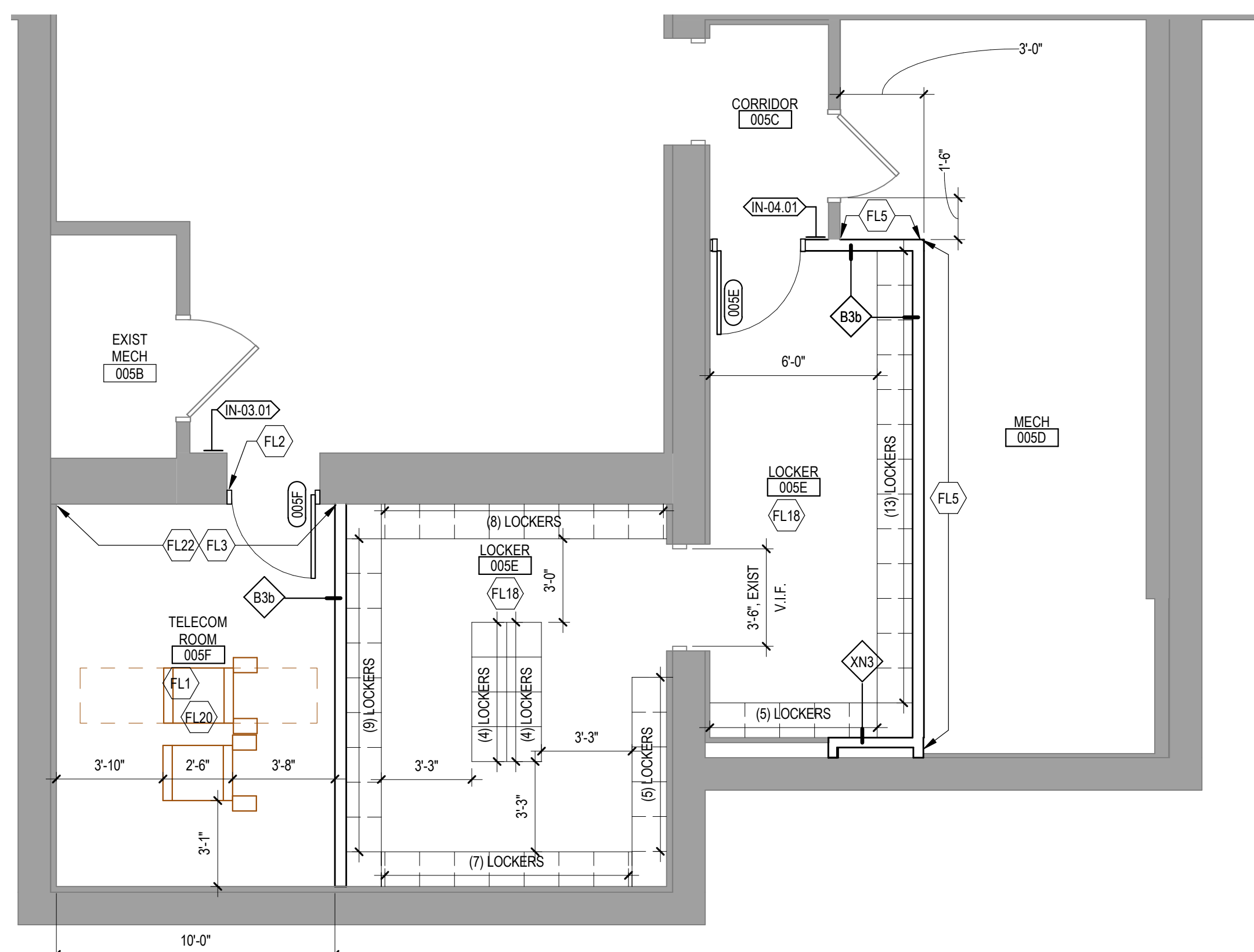
EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PLOT SCALE: PROJECT NO: 656-21-235
BUILDING No: 1
CHECKED BY: TO, EM
DRAWN BY: PC, EM
DRAWING NO: 1-AS130

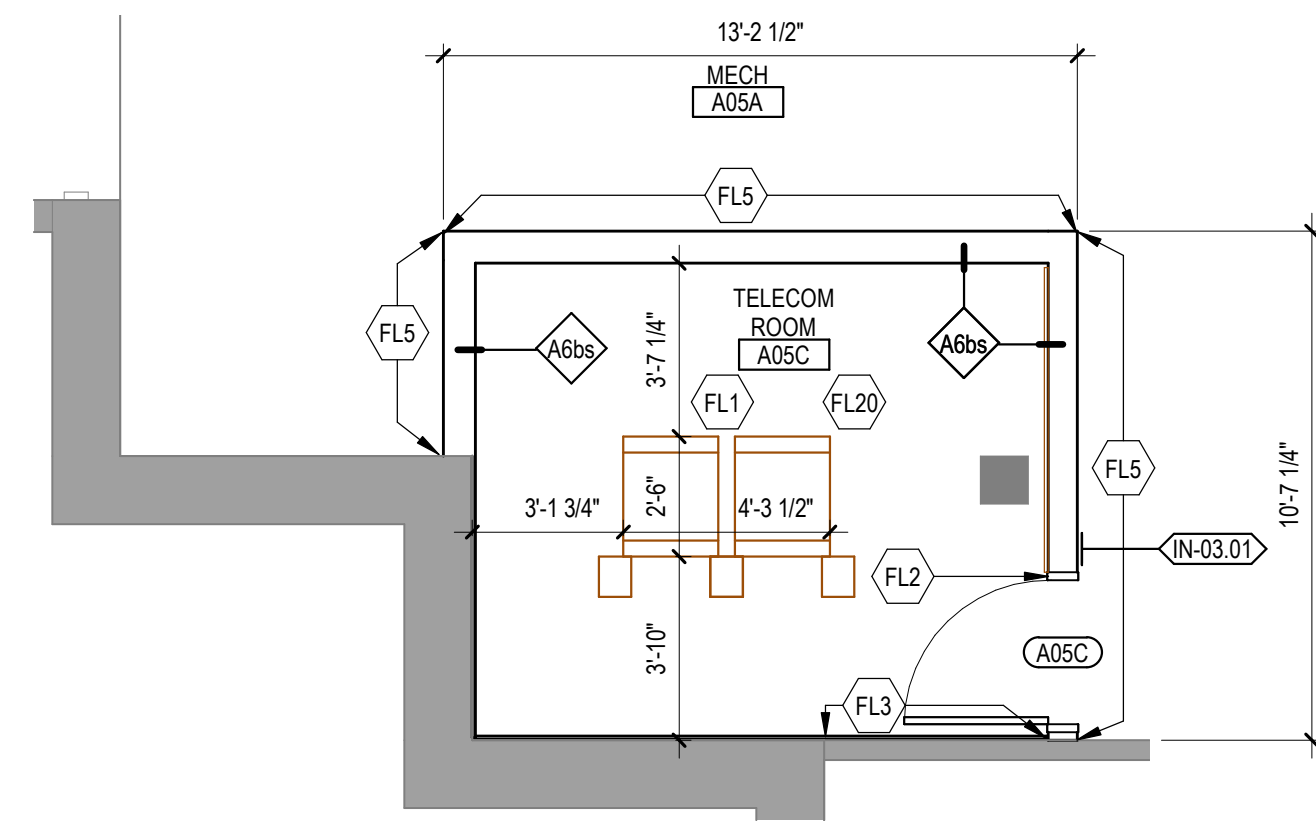
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
FULLY SPRINKLERED
DWG. OF

VA

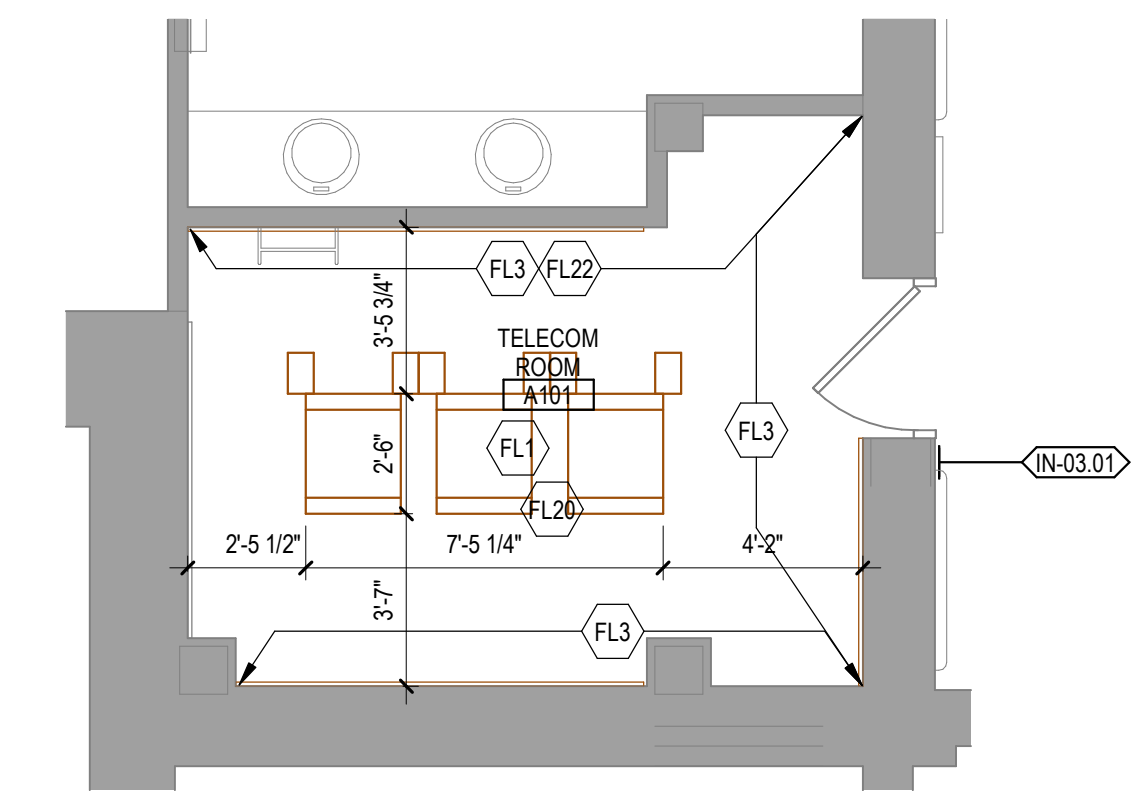
U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System



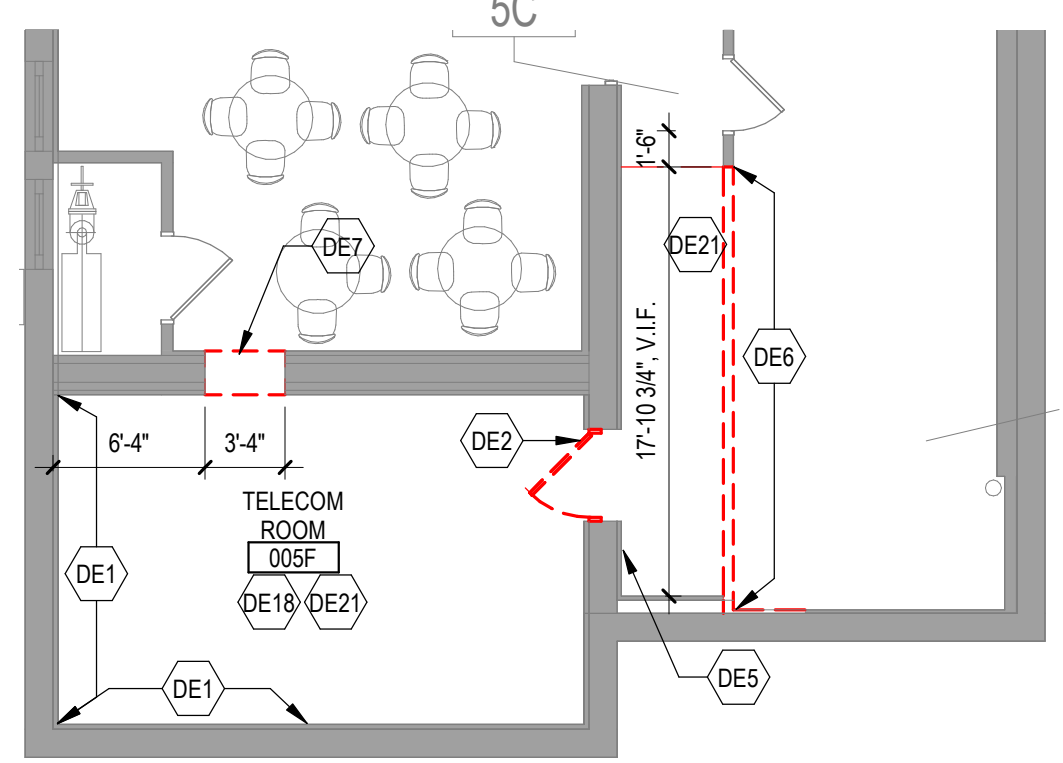
1 ENLARGED FLOOR PLAN - RM 5F
1/4" = 1'-0"



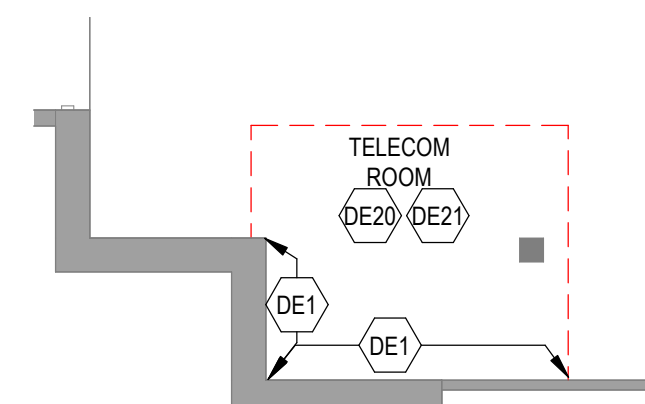
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1/4" = 1'-0"



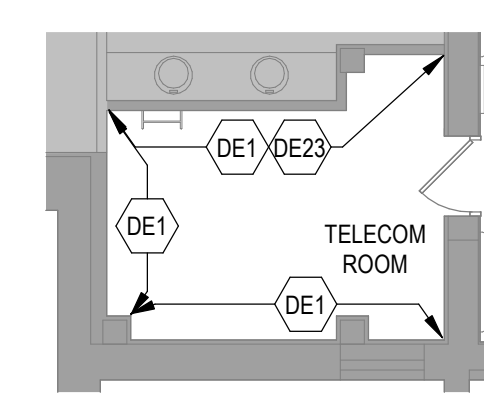
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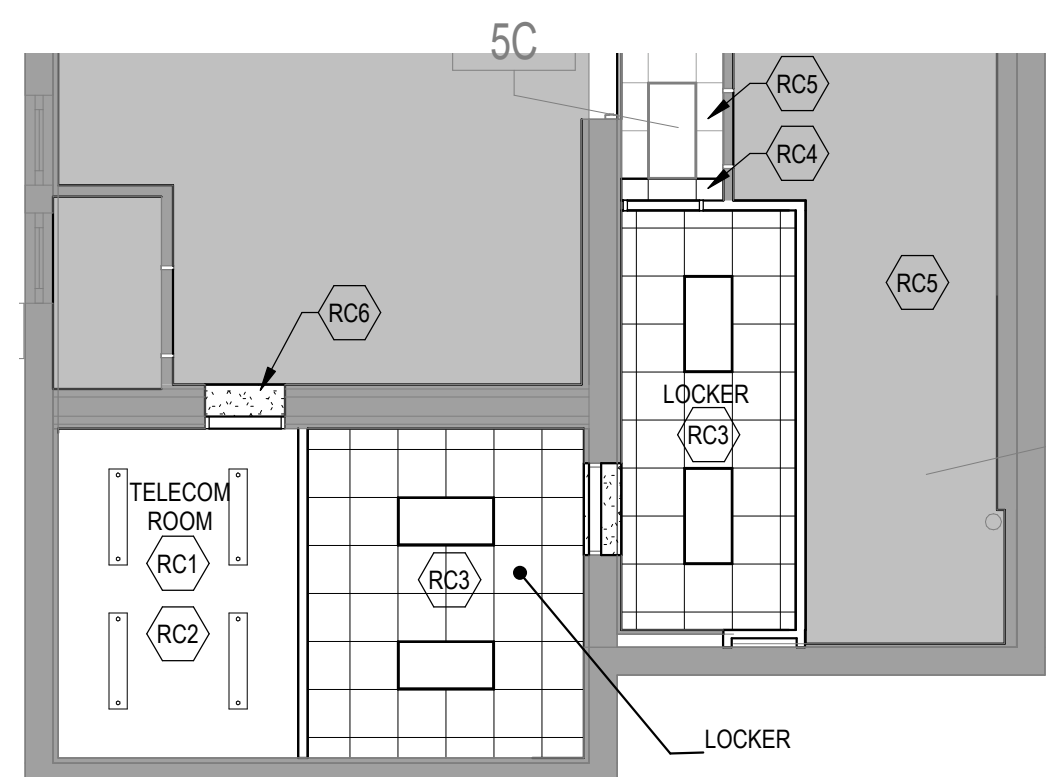
2 DEMOLITION PLAN - RM 5F
1/8" = 1'-0"



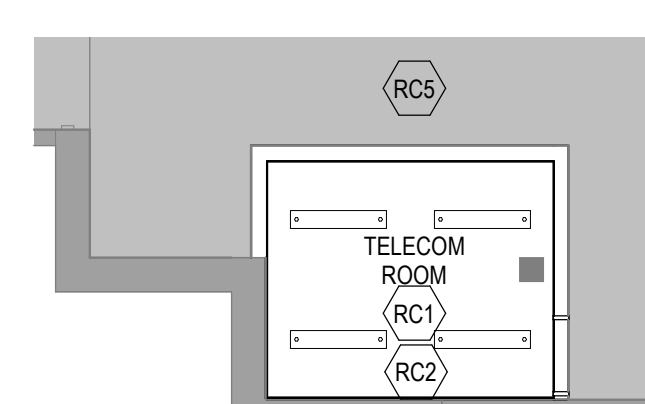
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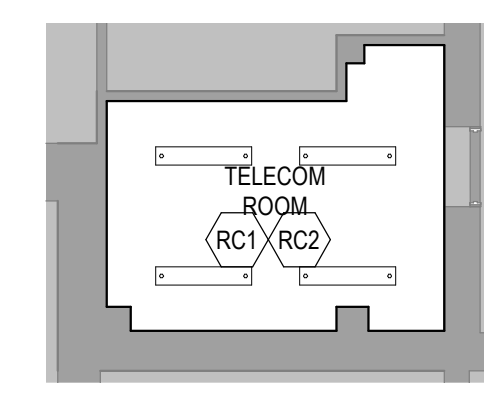
8 DEMOLITION PLAN - RM A101
1/8" = 1'-0"



3 REFLECTED CEILING PLAN - RM 5F
1/8" = 1'-0"



6 REFLECTED CEILING PLAN - RM A05C
1/8" = 1'-0"



9 REFLECTED CEILING PLAN - RM A101
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.
- DE5 REMOVE AND SALVAGE ROOM IDENTIFICATION SIGN FOR REINSTALLATION.
- DE6 REMOVE PARTITION TO THE EXTENTS SHOWN.
- DE7 PARTIALLY REMOVE WALL TO ACCOMMODATE PLAN AS REQUIRED. COORDINATE TEMP SHORING WITH STRUCTURAL. SEE FLOOR PLAN.
- DE8 REMOVE EXISTING ROOF ASSEMBLY AS REQUIRED TO BUILD NEW ROOM. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVAL OF ROOFTOP EQUIPMENT.
- DE11 REMOVE EXISTING EXTERIOR PANEL SYSTEM BACK TO STRUCTURE TO THE EXTENTS SHOWN. PREPARE FOR INSTALLATION OF NEW FURRING WALL.
- DE14 REFER TO ELECTRICAL FOR REMOVAL OF DEVICES.
- DE18 REMOVE AND SALVAGE LOCKERS FOR REINSTALLATION.
- DE20 RELOCATE CHILL WATER AND SNOW MELT SYSTEM. SEE MECHANICAL AND PLUMBING.
- DE21 PREPARE FLOOR FOR FINISH AND RATED PARTITIONS. SEE FLOOR PLAN.
- DE22 REMOVE EXISTING GUARD RAIL AS REQUIRED FOR NEW CONSTRUCTION AND PREPARE END OF REMAINING RAIL FOR NEW ENDCAPS.

DEMOLITION PLAN KEYED NOTES

- DE23 PREPARE EXISTING PARTITION FOR LEAK PREVENTION BARRIER. SEE FLOOR PLAN AND SHEET AS001.
- DE26 REFER TO MECHANICAL FOR REMOVAL OF ROOFTOP UNIT.
- DE27 CAREFULLY REMOVE EXISTING ROOFTOP TILE AND SALVAGE FOR REINSTALLATION.

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.
- FL5 FINISH PARTITION WITH P-2 & RB-1.
- FL13 DRYWALL PENETRATION BARRIER MESH.
- FL16 MOUNT 5/8" GYPSUM BOARD TO EXISTING STEEL STUDS. 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.
- FL17 PREFINISHED METAL DOWNSPOUT AND PRECAST CONCRETE SPLASH BLOCK.
- FL18 FULL HEIGHT PREFINISHED METAL LOCKERS. RECONFIGURE LAYOUT AS SHOWN. PROVIDE ALL NECESSARY TRANSITION COMPONENTS. MATCH EXISTING TYPE AND FINISH.
- FL20 TELECOM EQUIPMENT. SEE TELECOM DRAWINGS.

FLOOR PLAN KEYED NOTES

- FL22 LEAK PREVENTION BARRIER WATERPROOFING DETAIL AT EXISTING PARTITION. SEE AS001.

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

REFLECTED CEILING PLAN KEYED NOTES

- RC1 LED LIGHTING. SEE ELECTRICAL. IN FRONT OF AND BEHIND CABINET ROWS PROVIDE 500 LUMENS IN HORIZONTAL AND 200 LUMENS IN THE VERTICAL AT 3 FT AFF. OPERATED BY MOTION SENSOR PER CABINET ROW OR SECTION.
- RC2 OPEN TO STRUCTURAL FLOOR ABOVE.
- RC3 ACT SYSTEM AND 2X4 LIGHT FIXTURE. MATCH EXIST ADJACENT CEILING. SEE ELECTRICAL.
- RC4 PATCH AND ALIGN ACT WITH EXISTING.
- RC5 EXISTING CEILING TO REMAIN.
- RC6 GYP SOFFIT. 1/2" GYP BD ON MTL STUD AFFIXED TO OPENING LIMITS. PAINT.

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

SHEET NOTES

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No.	REVISION	DATE

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

DRAWING TITLE
LARGE SCALE PLANS

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLANT
PC, EM

DESIGNED BY
TO, EM

DRAWN BY
PC, EM

CHECKED BY
PC, EM

DATE
03/30/2022

LOCATION
VA MEDICAL CENTER ST. CLOUD, MN 56303

SCALE
1-AS400

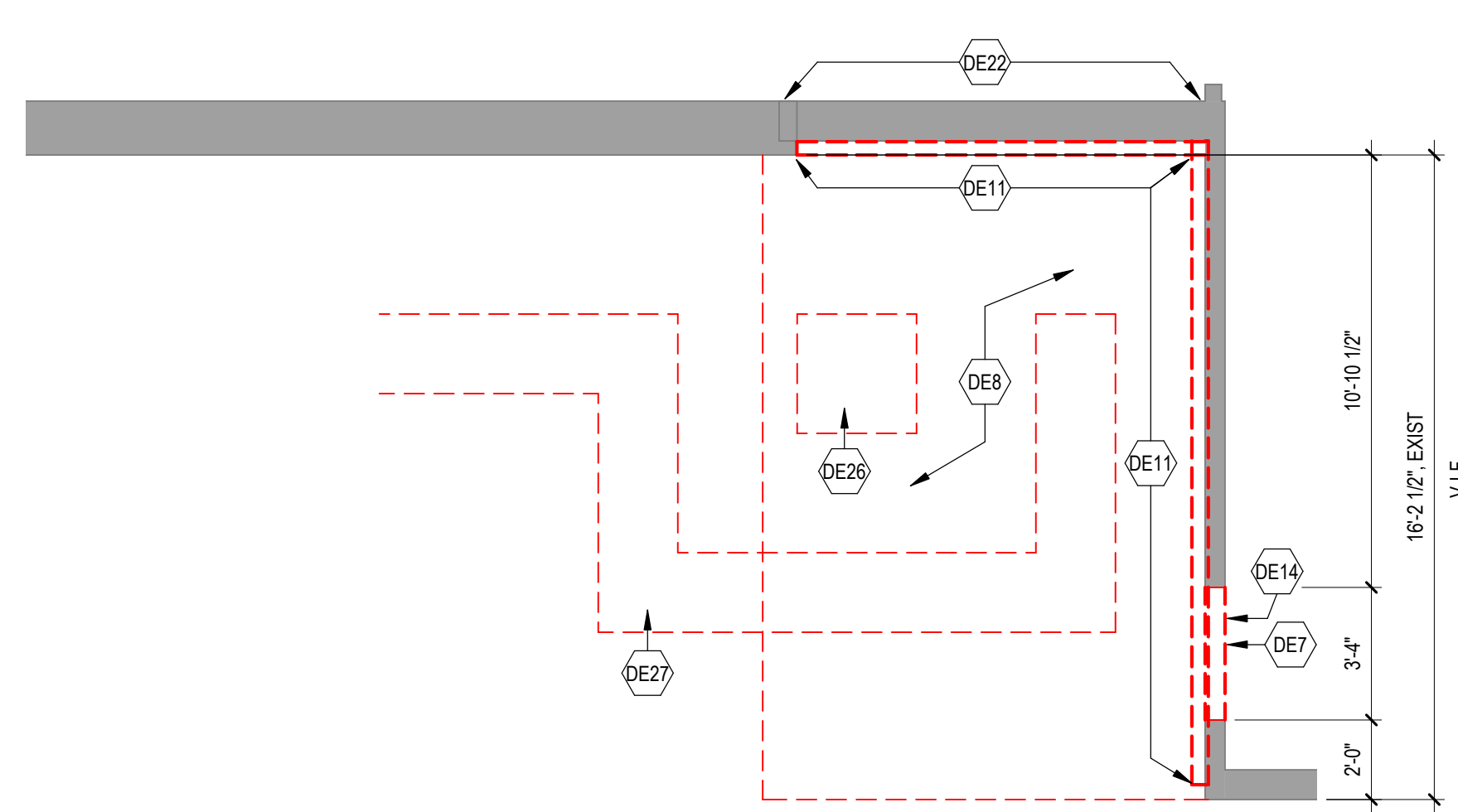
DWG. NO.
1-AS400

U.S. Department of Veterans Affairs

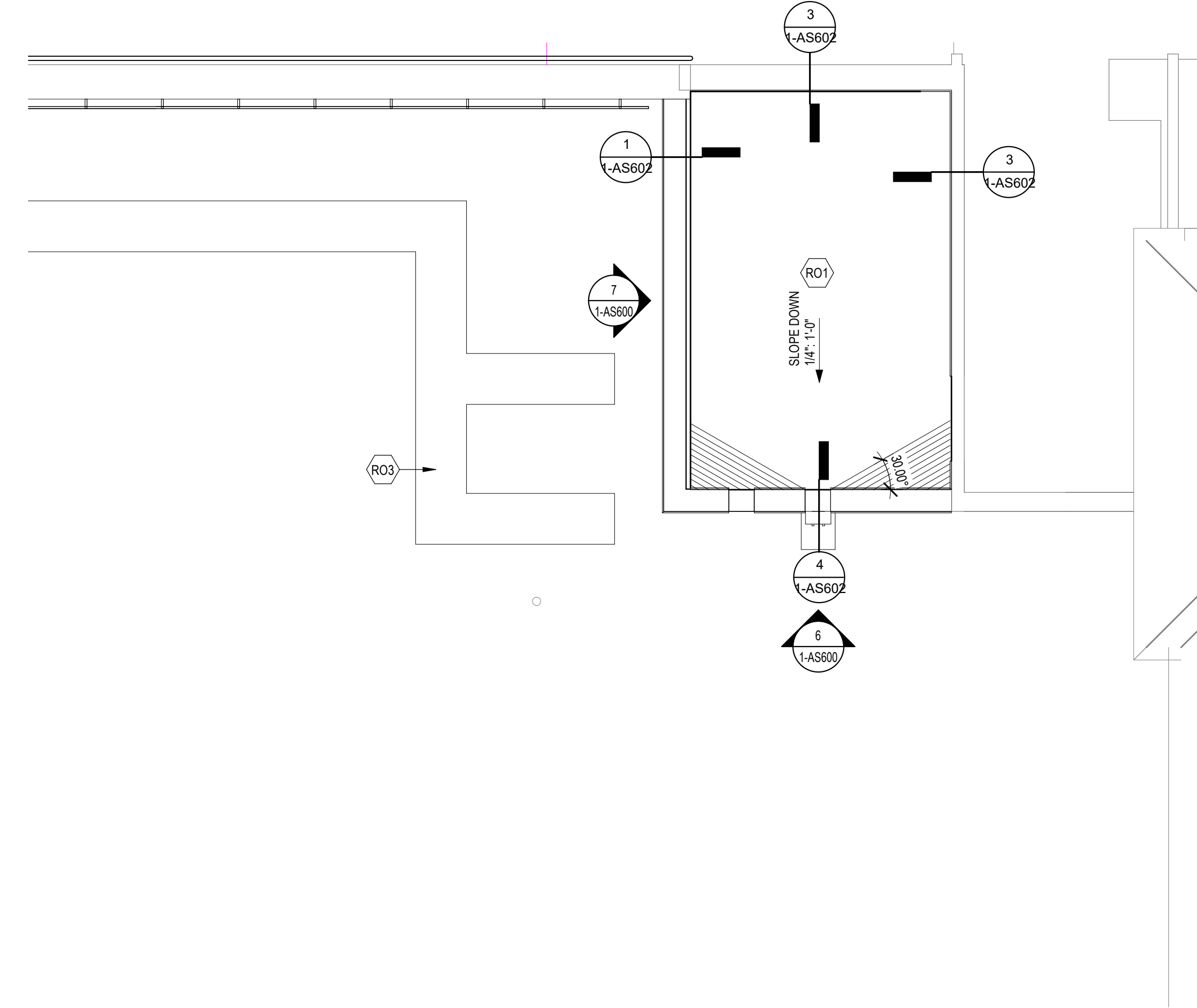
Veterans Health Administration

St. Cloud VA Health Care System

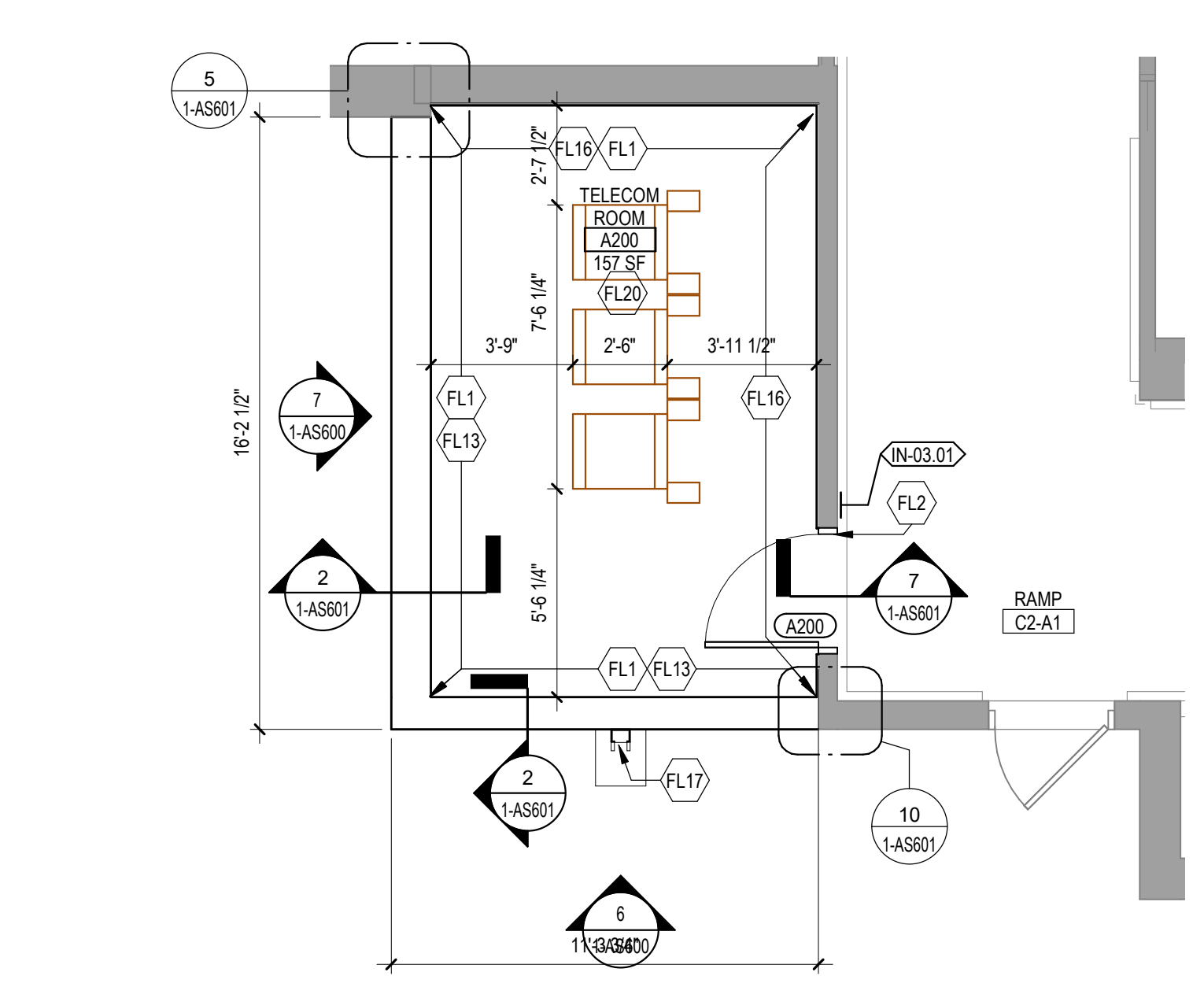
4/27/2022 4:11:19 PM



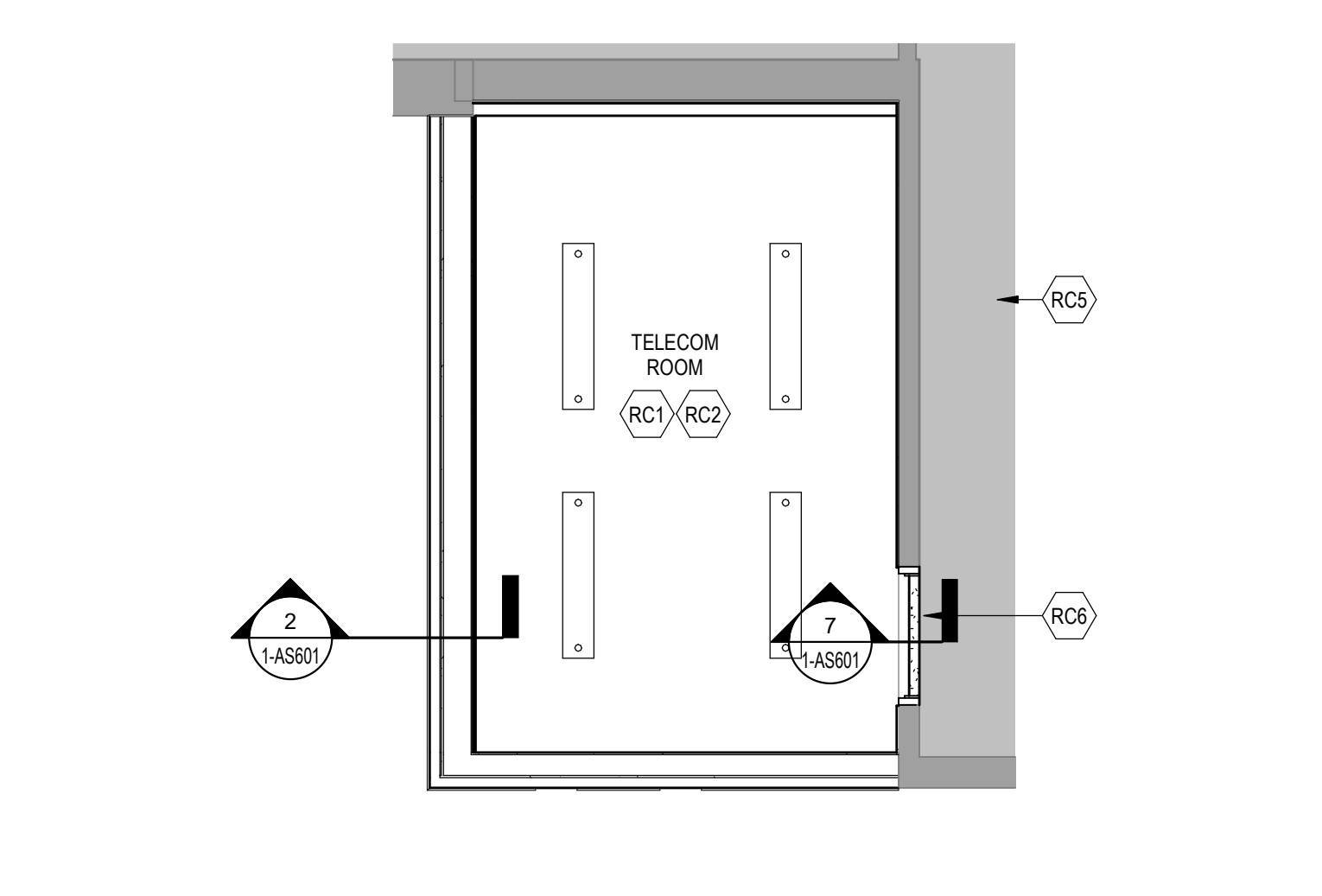
2 DEMOLITION PLAN - RM A200
1/4" = 1'-0"



1 ROOF PLAN - RM A200
1/4" = 1'-0"



3 ENLARGED FLOOR PLAN - RM A200
1/4" = 1'-0"



4 REFLECTED CEILING PLAN - RM A200
1/4" = 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
- DES REMOVE AND SALVAGE ROOM IDENTIFICATION SIGN FOR REINSTALLATION
- DE6 REMOVE PARTITION TO THE EXTENTS SHOWN
- DE7 PARTIALLY REMOVE WALL TO ACCOMMODATE PLAN AS REQUIRED. COORDINATE TEMP SHORING WITH STRUCTURAL. SEE FLOOR PLAN
- DE8 REMOVE EXISTING ROOF ASSEMBLY AS REQUIRED TO BUILD NEW ROOM. REFER TO MECHANICAL AND ELECTRICAL FOR REMOVAL OF ROOFTOP EQUIPMENT
- DE11 REMOVE EXISTING EXTERIOR PANEL SYSTEM BACK TO STRUCTURE TO THE EXTENTS SHOWN. PREPARE FOR INSTALLATION OF NEW FURRING WALL
- DE14 REFER TO ELECTRICAL FOR REMOVAL OF DEVICES
- DE18 REMOVE AND SALVAGE LOCKERS FOR REINSTALLATION
- DE20 RELOCATE CHILL WATER AND SNOW MELT SYSTEM. SEE MECHANICAL AND PLUMBING
- DE21 PREPARE FLOOR FOR FINISH AND RATED PARTITIONS. SEE FLOOR PLAN
- DE22 REMOVE EXISTING GUARD RAIL AS REQUIRED FOR NEW CONSTRUCTION AND PREPARE END OF REMAINING RAIL FOR NEW ENDCAPS
- DE23 PREPARE EXISTING PARTITION FOR LEAK PREVENTION BARRIER. SEE FLOOR PLAN AND SHEET AS601
- DE26 REFER TO MECHANICAL FOR REMOVAL OF ROOFTOP UNIT
- DE27 CAREFULLY REMOVE EXISTING ROOFTOP TILE AND SALVAGE FOR REINSTALLATION

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 PATCH OVER FIRE RATING STAMP.
- FL2 DOOR, SIZE AS SCHEDULED, FIRE RESISTANT AS SCHEDULED.
- FL3 UPGRADE PARTITION TO 1 HOUR FIRE AND SMOKE BARRIER. PROVIDE TESTED HEAD OF PARTITION ASSEMBLY WITH MATERIALS THAT RESIST THE PASSAGE OF SMOKE. SEAL JOINT AT HEAD AND ALL PENETRATIONS WITH FIRE CAULK.
- FL5 FINISH PARTITION WITH P-2 & RB-1.
- FL13 DRYWALL PENETRATION BARRIER MESH.
- FL16 MOUNT 5/8" GYPSUM BOARD TO EXISTING STEEL STUDS. 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.
- FL17 PREFINISHED METAL DOWNSPOUT AND PRECAST CONCRETE SPLASH BLOCK.
- FL18 FULL HEIGHT PREFINISHED METAL LOCKERS. RECONFIGURE LAYOUT AS SHOWN. PROVIDE ALL NECESSARY TRANSITION COMPONENTS. MATCH EXISTING TYPE AND FINISH.
- FL20 TELECOM EQUIPMENT. SEE TELECOM DRAWINGS.
- FL22 LEAK PREVENTION BARRIER WATERPROOFING DETAIL AT EXISTING PARTITION. SEE AS601.

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

REFLECTED CEILING PLAN KEYED NOTES

- RC1 LED LIGHTING. SEE ELECTRICAL. IN FRONT OF AND BEHIND CABINET ROWS PROVIDE 500 LUMENS IN HORIZONTAL AND 200 LUMENS IN THE VERTICAL. AT 3 FT AFF. OPERATED BY MOTION SENSOR PER CABINET ROW OR SECTION.
- RC2 OPEN TO STRUCTURAL FLOOR ABOVE
- RC3 ACT SYSTEM AND 2X4 LIGHT FIXTURE. MATCH EXIST ADJACENT CEILING. SEE ELECTRICAL.
- RC4 PATCH AND ALIGN ACT WITH EXISTING
- RC5 EXISTING CEILING TO REMAIN
- RC6 GYP SOFFIT. 1/2" GYP BD ON MTL STUD AFFIXED TO OPENING LIMITS. PAINT

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

SHEET NOTES

1. SEE GENERAL NOTES AND CAMPUS DRAWINGS FOR GENERAL INFORMATION, LIFE SAFETY, ICRA, AND PHASING
2. 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.
3. 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.
4. SEE CIVIL, STRUCTURAL, TELECOM, ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION AND CONSTRUCTION REQUIREMENTS.
5. PORTABLE FIRE EXTINGUISHERS (CO2 OR HALOGENATED TYPE) WITH WALL MOUNT BRACKET AND CODE REQUIRED SIGNAGE SHALL BE PROVIDED WITHIN TELECOM ROOMS.

ROOF PLAN KEYED NOTES

- RO1 SLOPE ROOF TO DRAIN MINIMUM 1/4" PER FOOT
- RO3 RELOCATE EXISTING ROOF TILES AROUND RELOCATED ROOFTOP UNIT.

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

No	REVISION	DATE

CONSULTANT

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ARCHITECT/ENGINEER OF RECORD

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

BUILDING ADDITION AND ROOF PLAN

EHRM INFRASTRUCTURE UPGRADES

PROJECT FILE: EHRM INFRASTRUCTURE UPGRADES
DATE: 03/30/2022
PLOT SCALE: 1/4" = 1'-0"
PROJECT NO: 656-21-235
BUILDING No: 1
CHECKED BY: EM
DRAWN BY: BMW
SHOWN BY: 1-AS430
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

OPENING SCHEDULE														
VA Building Number	ASSOCIATED ROOMS		OPENING			PANEL INFORMATION			FRAME INFORMATION		HOW GROUP	PRE LABEL (MIN)	ELECTRICAL LABEL	COMMENTS
	FROM ROOM NAME	TO ROOM NAME	NUMBER	WIDTH	HEIGHT	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING				
1	CORRIDOR	LOCKER	005E	3'-0"	7'-0"	WD-F	NONE	HMS-1	NONE	HW-5	-	-	-	LOCKER ROOM DOOR
1	MECH	TELECOM ROOM	005F	3'-0"	7'-0"	WD-F	NONE	HMS-1	NONE	HW-3.2B	45	Y	Y	
1	MECH	TELECOM ROOM	A05C	3'-0"	7'-0"	HD-F	NONE	HMS-1	NONE	HW-3.2B	45	Y	Y	
1	MECH	TELECOM ROOM	A200	3'-0"	7'-0"	WD-F	NONE	HMS-1	NONE	HW-3.2B	45	Y	Y	

ROOM SCHEDULE																	
NO.	NAME	CABLING	PATCH PANEL	FIBER	POWER	BONDING	UPS	DEDICATED COOLING	TEMPERATURE	HUMIDITY	RACK SENSING	SPACE	AREA	WIDTH (FT)	LENGTH (FT)	HT TO CLG STRUCT	REMARKS
BASEMENT																	
005C	CORRIDOR												34 SF			7.17	MODIFIED FOR LOCKER ROOM EXPANSION, MATCH EXIST
005D	MECH												236 SF			9.17	MODIFIED FOR LOCKER ROOM EXPANSION, SEE MECH DRAWINGS FOR ADDITIONAL REMARKS
005E	LOCKER												291 SF			7.17	MATCH EXIST LOCKER ROOM FINISHES, PROVIDE 54 LOCKERS IN AREA ADJACENT TO TR.
005F	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	137 SF	10.0	13.7	9.17	CONSTRUCT TO EHRM TELECOM ROOM STANDARDS, SEE TELECOM DRAWINGS
A003	EXIST RM												64 SF	4.8	13.5	9.00	DECOMMISSION EXIST IT/DATA ROOM, SEE TELECOM DRAWINGS
A05A	MECH												1677 SF			9.58	MODIFIED FOR TELECOM ROOM, SEE MECH DRAWINGS FOR ADDITIONAL REMARKS
A05C	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	118 SF	12.0	10.0	9.58	CONSTRUCT TO EHRM TELECOM ROOM STANDARDS, SEE TELECOM DRAWINGS, RELOCATE CHILLED WATER PUMPS AND SNOW MELT SYSTEM, SEE MECH DRAWINGS
FIRST FLOOR																	
127	EXIST RM												74 SF	5.4	12.5		DECOMMISSION EXIST IT/DATA ROOM, SEE TELECOM DRAWINGS
A101	TELECOM ROOM		X	X		X	X	X	X	X	X	X	142 SF	9.6	14.1	8.17	UPDATE EXIST IT/DATA ROOM TO EHRM TELECOM ROOM STANDARDS, SEE TELECOM DRAWINGS
SECOND FLOOR																	
229	EXIST RM												52 SF	5.5	9.4		DECOMMISSION EXIST IT/DATA ROOM, SEE TELECOM DRAWINGS
A200	TELECOM ROOM	X	X	X	X	X	X	X	X	X	X	X	157 SF	10.0	15.4	10.00	CONSTRUCT ADDITION, CONSTRUCT TO EHRM TELECOM ROOM STANDARDS, SEE TELECOM DRAWINGS, TELECOM ROOM ON ROOF FOR FIRST FLOOR, TR SERVES 2ND AND 3RD FLOORS
A216	EXIST RM												98 SF	6.1	16.0		DECOMMISSION EXIST IT/DATA ROOM, SEE TELECOM DRAWINGS
A225	EXIST RM												90 SF	9.7	7.5		DECOMMISSION EXIST IT/DATA ROOM, SEE TELECOM DRAWINGS

HAZARDOUS MATERIAL SCHEDULE				
LEVEL	ROOM NO.	ROOM NAME	QUESTIONABLE HAZARDOUS ELEMENT	POSSIBLE ABATEMENT ACTION
BASEMENT	005C	CORRIDOR	NONE, SEE 1-HA-1A	NONE, ACM TO REMAIN UNDISTURBED
BASEMENT	005D	MECH	ASBESTOS CONTAINING HARD FITTINGS, SEE 1-HA-1A	REMOVE HAZARDOUS MATERIAL UNDER FULL CONTAINMENT
BASEMENT	005E	LOCKER	ASBESTOS CONTAINING HARD FITTINGS, SEE 1-HA-1A	REMOVE HAZARDOUS MATERIAL UNDER FULL CONTAINMENT
BASEMENT	005F	TELECOM ROOM	NONE, SEE 1-HA-1A	NONE, ACM TO REMAIN UNDISTURBED
BASEMENT	A003	EXIST RM	NONE, SEE 1-HA-1A	NONE, ACM TO REMAIN UNDISTURBED
BASEMENT	A05A	MECH	NONE, SEE 1-HA-1A	NONE, ACM TO REMAIN UNDISTURBED
BASEMENT	A05C	TELECOM ROOM	NONE, SEE 1-HA-1A	NONE, ACM TO REMAIN UNDISTURBED
FIRST FLOOR	127	EXIST RM	ACM, SEE 1-HA-2A	NONE, ACM TO REMAIN UNDISTURBED
FIRST FLOOR	A101	TELECOM ROOM	NONE, SEE 1-HA-2A	NONE, ACM TO REMAIN UNDISTURBED
SECOND FLOOR	229	EXIST RM	ACM, SEE 1-HA-3A	NONE, ACM TO REMAIN UNDISTURBED
SECOND FLOOR	A200	TELECOM ROOM	NONE, BUILDING ADDITION	NONE, BUILDING ADDITION
SECOND FLOOR	A216	EXIST RM	NONE, SEE 1-HA-3A	NONE, ACM TO REMAIN UNDISTURBED
SECOND FLOOR	A225	EXIST RM	NONE, SEE 1-HA-3A	NONE, ACM TO REMAIN UNDISTURBED

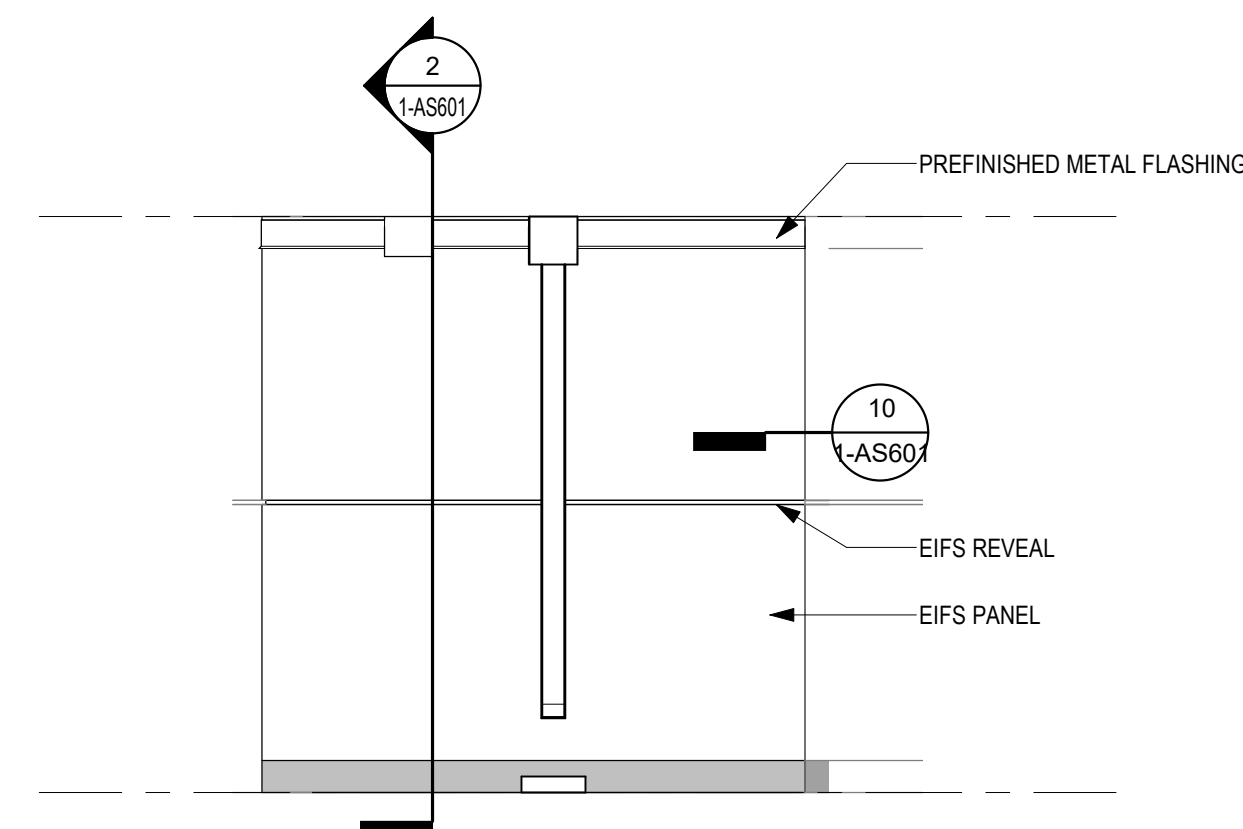
HAZARDOUS MATERIALS MAY BE ENCOUNTERED THROUGHOUT THE DISTRIBUTION ROUTING THROUGH CEILING PLENUMS AND UTILITY TUNNELS. INSTALLATION OF DISTRIBUTION SHALL NOT DISTURB QUESTIONABLE HAZARDOUS MATERIAL.

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	005C	CORRIDOR	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV	CENTER	ZONE 1B	NIGHT
BASEMENT	005D	MECH	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV	CENTER	ZONE 1B	NIGHT
BASEMENT	005E	LOCKER	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV	CENTER	ZONE 1B	NIGHT
BASEMENT	005F	TELECOM ROOM	AMB CARE / MEDICAL	TYPE D	GROUP 1	CLASS III/IV	CENTER	ZONE 1B	NIGHT
BASEMENT	A003	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II	CENTER	OCCUPIED CONSTRUCTION	NIGHT
BASEMENT	A05A	MECH	AMB CARE / MEDICAL	TYPE C	GROUP 2	CLASS III	CENTER	ZONE 1A	NIGHT
BASEMENT	A05C	TELECOM ROOM	AMB CARE / MEDICAL	TYPE C	GROUP 1	CLASS II	CENTER	ZONE 1A	NIGHT
FIRST FLOOR	127	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II	CENTER	OCCUPIED CONSTRUCTION	NIGHT
FIRST FLOOR	A101	TELECOM ROOM	AMB CARE / MEDICAL	TYPE C	GROUP 2	CLASS III	CENTER	OCCUPIED CONSTRUCTION	NIGHT
SECOND FLOOR	229	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II	CENTER	OCCUPIED CONSTRUCTION	NIGHT
SECOND FLOOR	A200	TELECOM ROOM	AMB CARE / MEDICAL	TYPE D	GROUP 2	CLASS IV	CENTER	ZONE 1C	NIGHT
SECOND FLOOR	A216	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 2	CLASS II	CENTER	OCCUPIED CONSTRUCTION	NIGHT
SECOND FLOOR	A225	EXIST RM	AMB CARE / MEDICAL	TYPE B	GROUP 4	CLASS III/IV	CENTER	OCCUPIED CONSTRUCTION	NIGHT

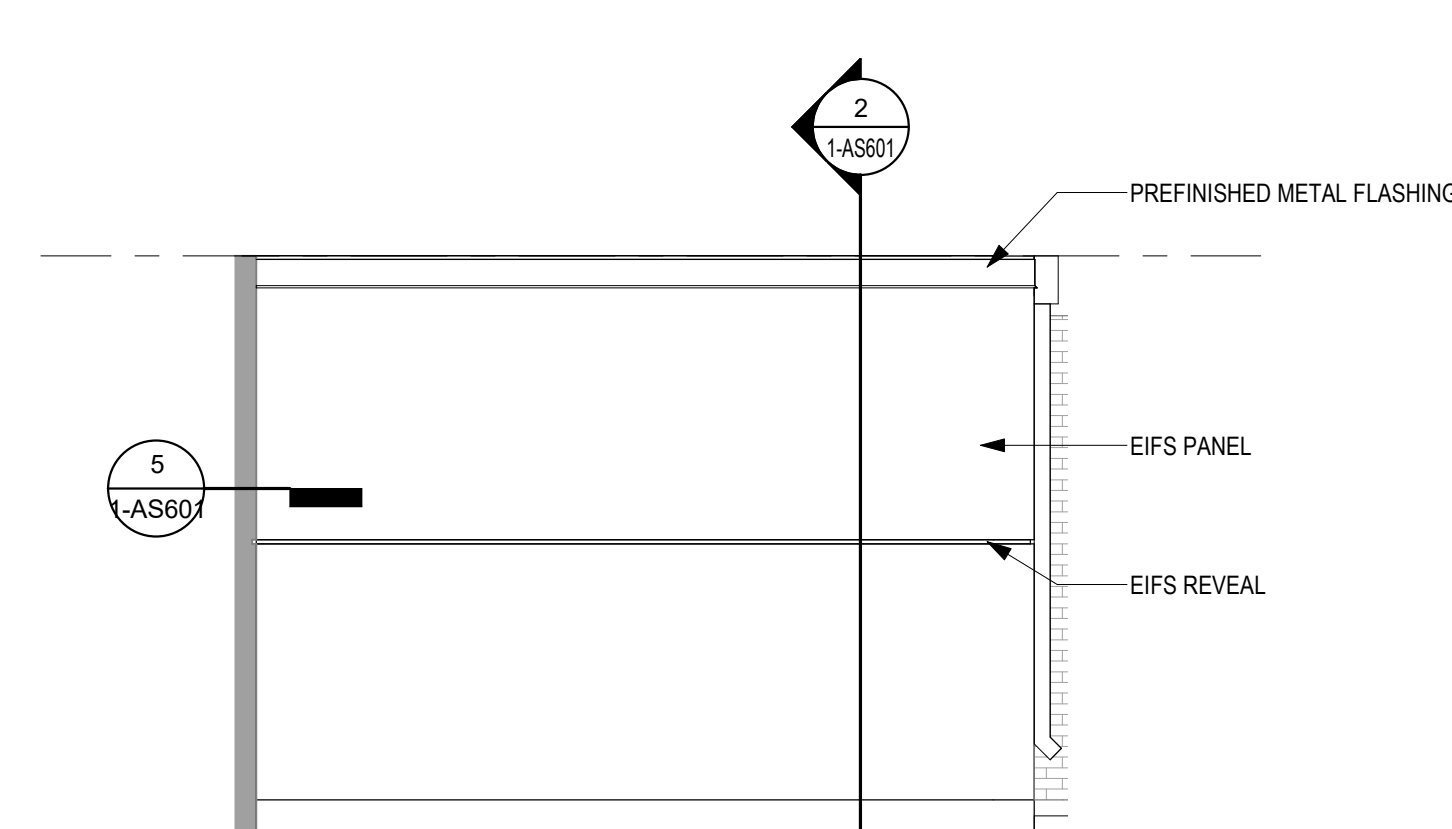
SEE GENERAL NOTES SHEET FOR CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA) DESCRIPTIONS, TYPE, GROUP AND CLASS SELECTED TO BEST OF DESIGN TEAMS KNOWLEDGE. FINAL DETERMINATION BY THE VA WILL BE MADE AT A LATER DATE.

LEAK PREVENTION / DIVERTER SCHEDULE				
LEVEL	ROOM NO.	ROOM NAME	OVERHEAD LEAK DIVERTER AND DRAIN PIPING	LEAK PREVENTION BARRIER WATERPROOFING
BASEMENT	005C	CORRIDOR		
BASEMENT	005D	MECH		
BASEMENT	005E	LOCKER		
BASEMENT	005F	TELECOM ROOM		MWP INT: NORTH
BASEMENT	A003	EXIST RM		
BASEMENT	A05A	MECH		
BASEMENT	A05C	TELECOM ROOM		
FIRST FLOOR	127	EXIST RM		
FIRST FLOOR	A101	TELECOM ROOM		
SECOND FLOOR	229	EXIST RM		
SECOND FLOOR	A200	TELECOM ROOM		
SECOND FLOOR	A216	EXIST RM		
SECOND FLOOR	A225	EXIST RM		

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

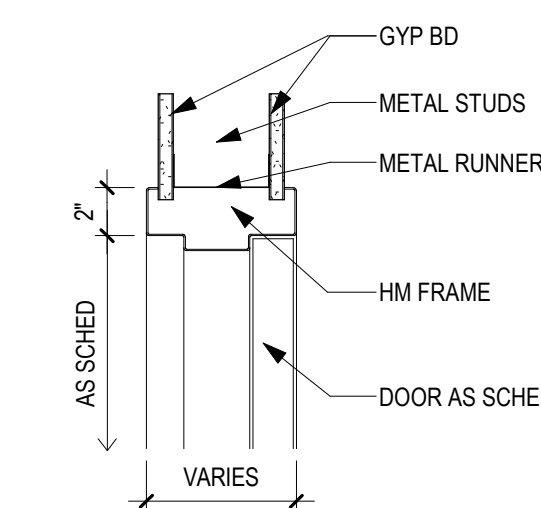


6 SOUTH ELEVATION - RM A200
1/4" = 1'-0"



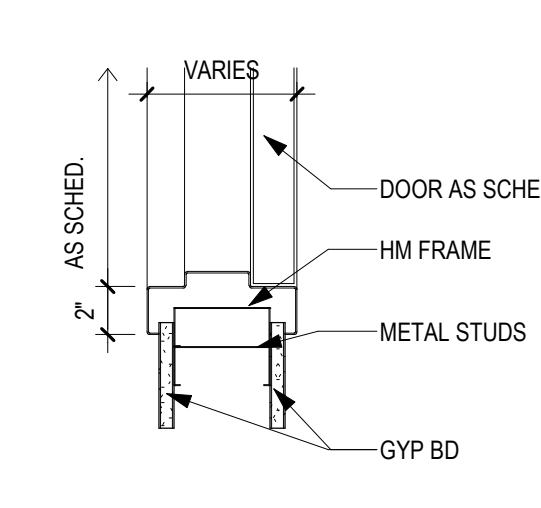
7 WEST ELEVATION - RM A200
1/4" = 1'-0"

NOTE:
1. FOR PARTITION THICKNESS SEE PLANS AND PARTITION TYPES

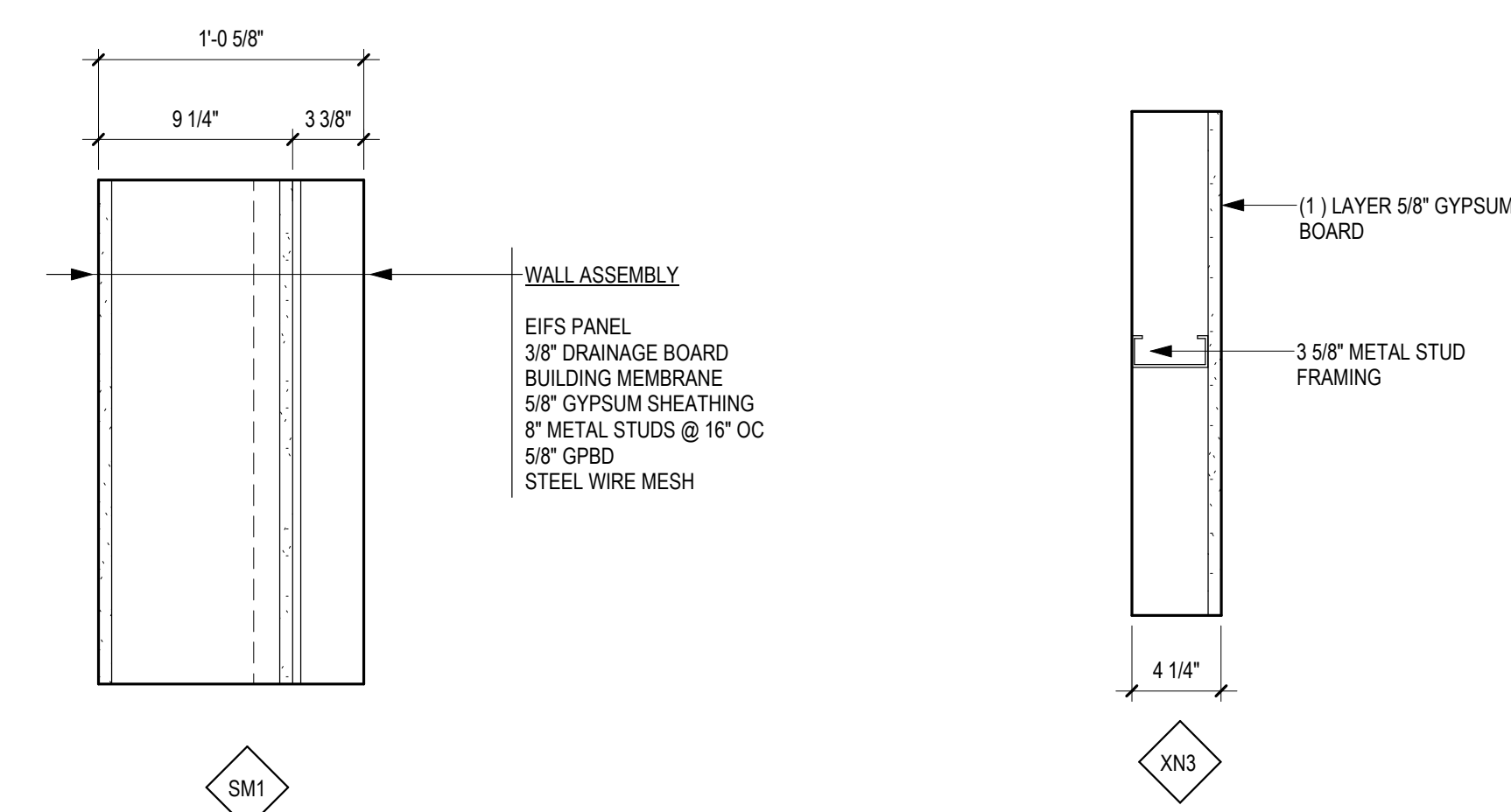


3 HM DOOR FRAME IN METAL STUD PARTITION - HEAD
1 1/2" = 1'-0"

NOTE:
1. FOR PARTITION THICKNESS SEE PLANS AND PARTITION TYPES



5 HM DOOR FRAME IN METAL STUD PARTITION - JAMB
1 1/2" = 1'-0"



TYPES - WALL / PARTITIONS

NO.	REVISION	DATE

CONSULTANT

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10360 Illinois Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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Name: *Tom Oleak*

Typed or Printed Name: Tom Oleak

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

DRAWING TITLE

ELEVATIONS, DETAILS, SCHEDULES

PROJECT FILE: EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022

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

PROJECT NO: 16305

REVISED BY: TO, EM

DRAWN BY: PC, EM

CHECKED BY: TO, EM

DATE: 03/30/2022

DRAWING NO: 1-AS600

LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF:

VA

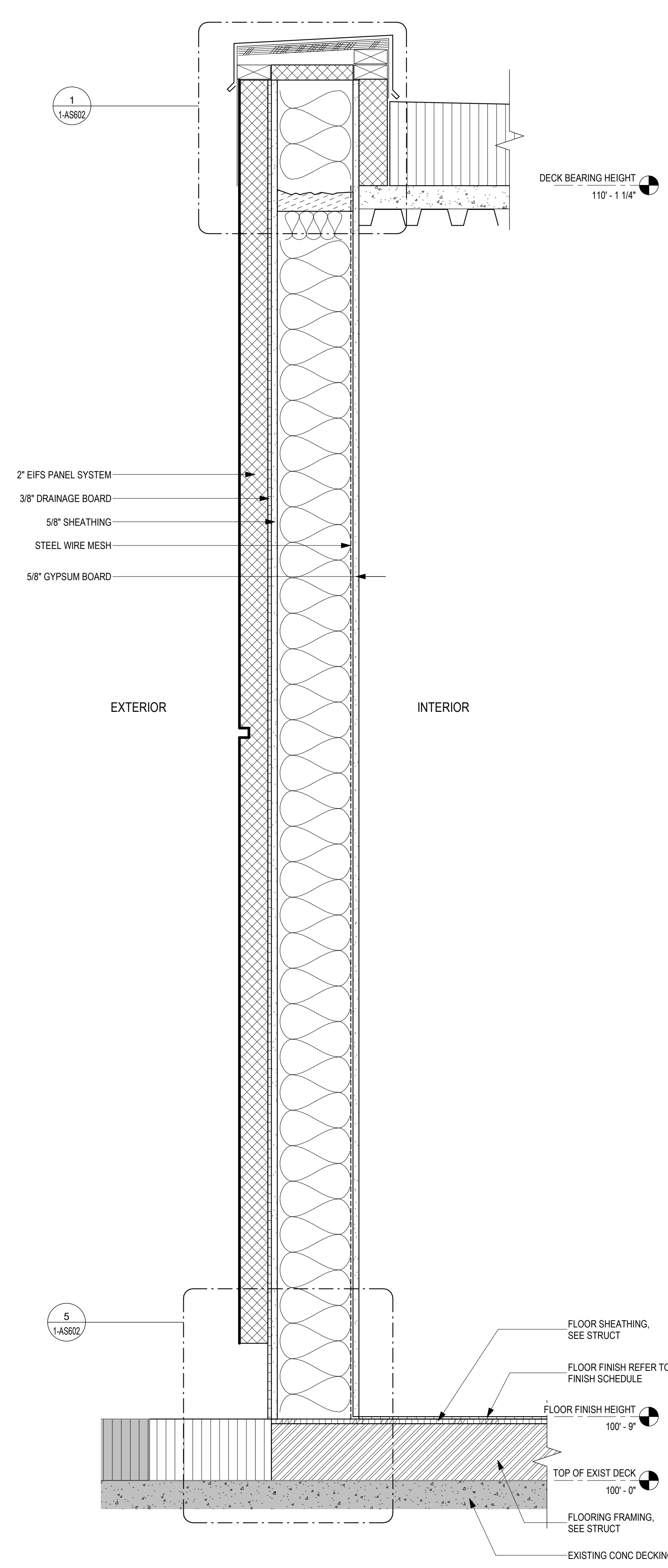
U.S. Department of Veterans Affairs

Veterans Health Administration

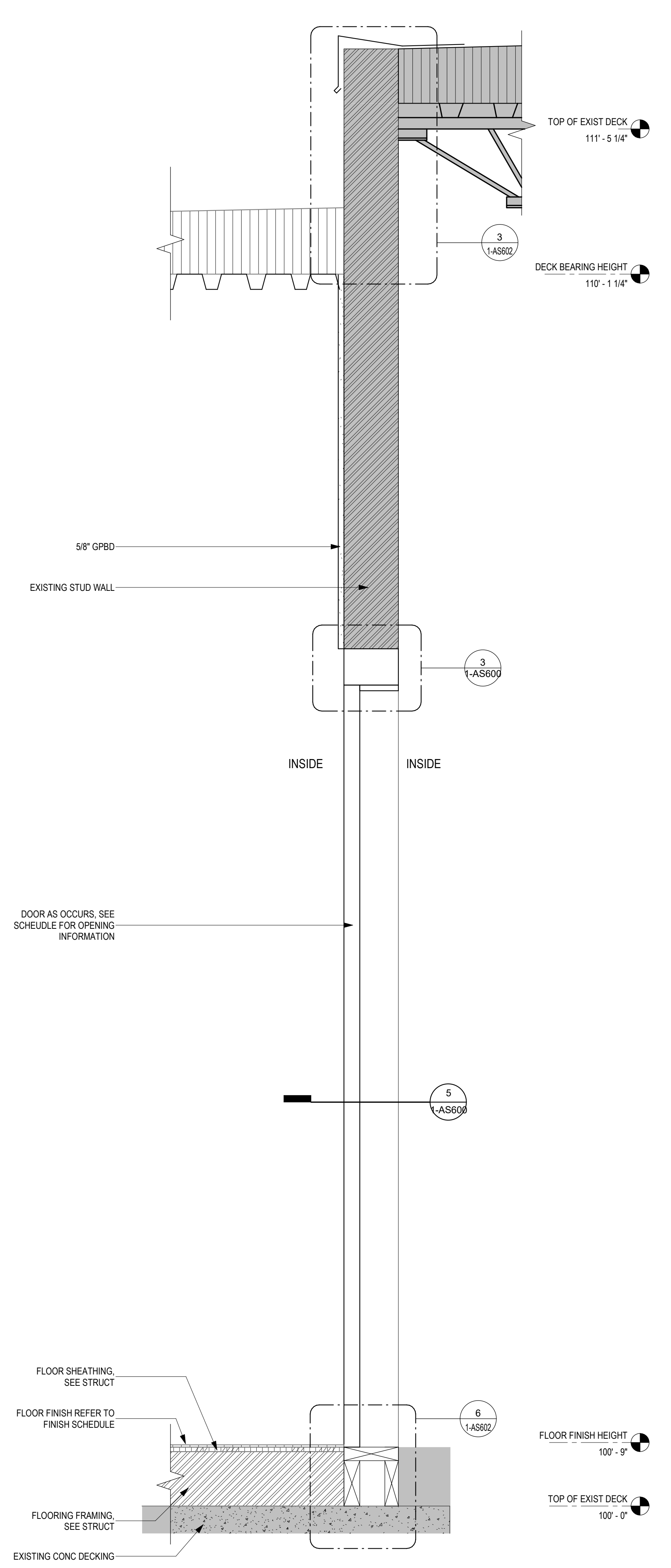
St. Cloud VA Health Care System

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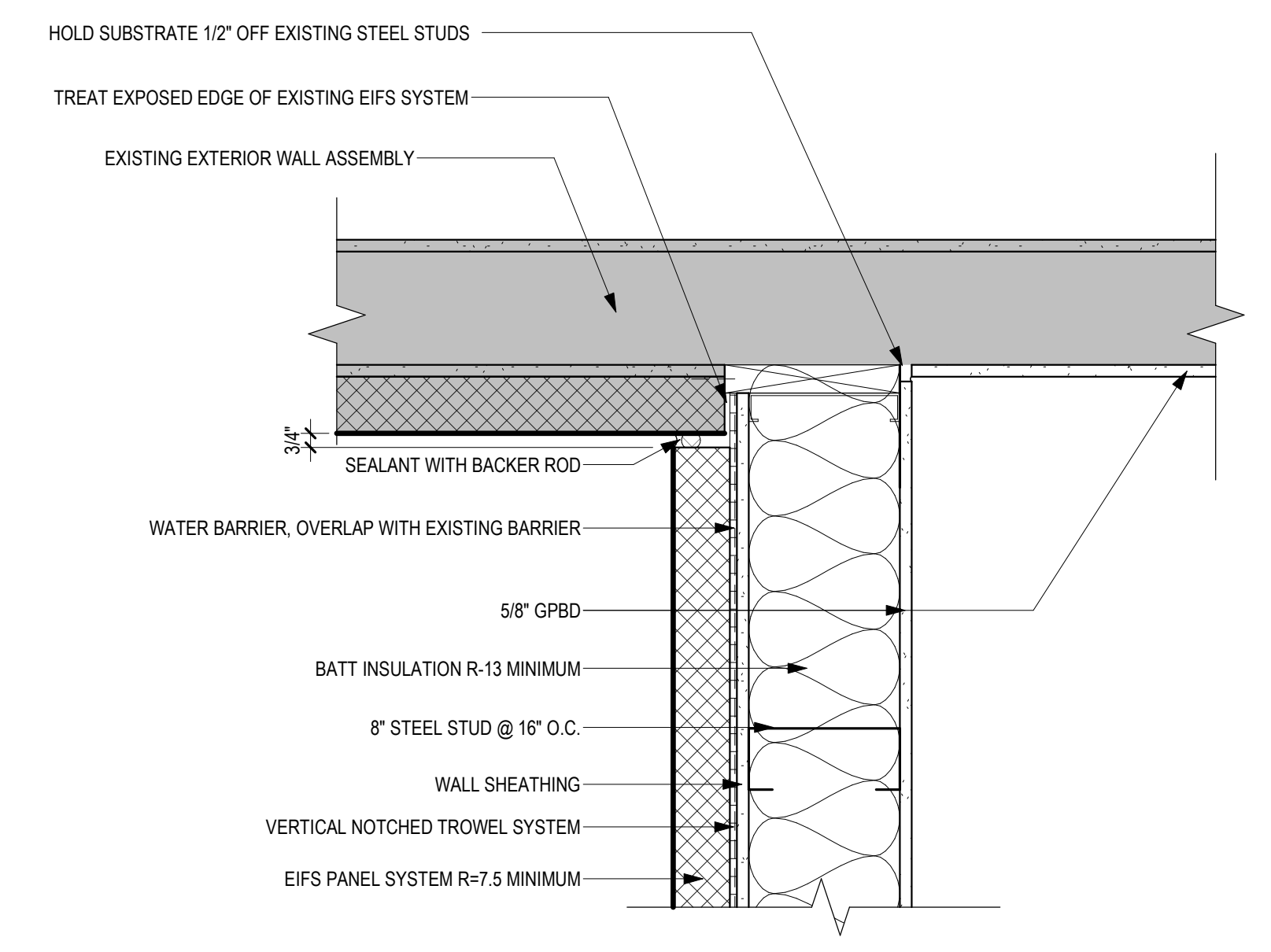
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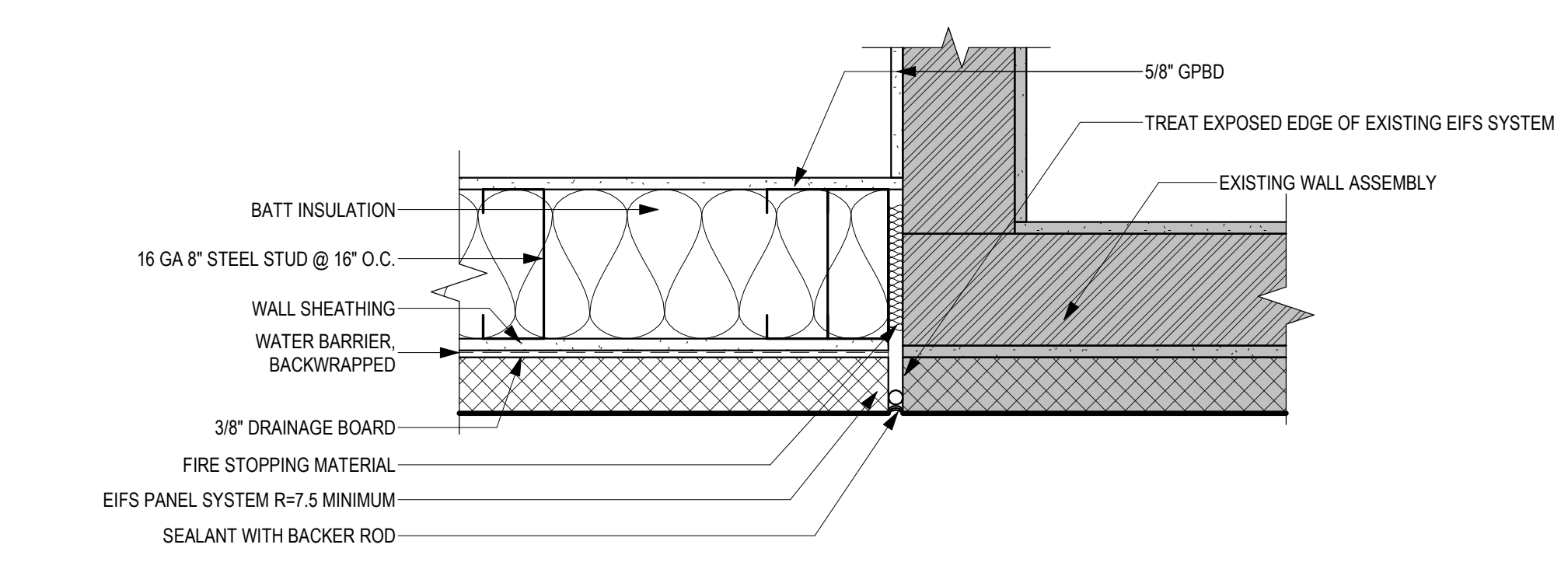
2 EXTERIOR WALL SECTION - EIFS
1/12" = 1'-0"



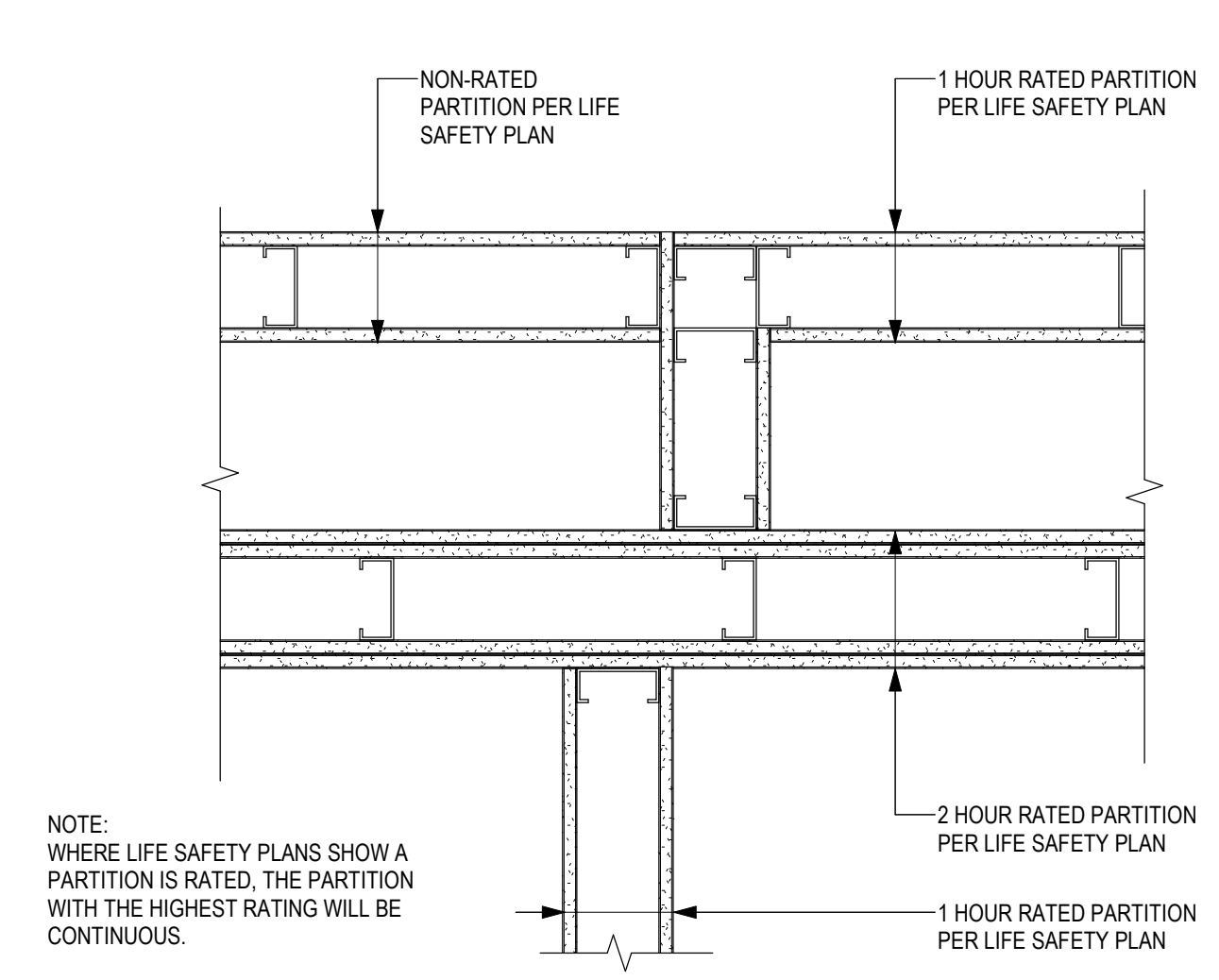
7 INTERIOR WALL SECTION - REMOVED EIFS PANEL
1/12" = 1'-0"



5 PLAN DETAIL - EIFS AT EXIST
1/12" = 1'-0"



10 PLAN DETAIL - FIRESTOPPING AT EIFS AND EXISTING WALL
1/12" = 1'-0"



GUIDELINE - RATED WALL INTERSECTIONS

No.	REVISION	DATE

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

DRAWING TITLE
INTERIOR PARTITION TYPES AND DETAILS

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/30/2022

PLOT SCALE
PROJECT NO.
656-21-235

BUILDING No.
1

TO
PC, EM

DRAWN BY
PC, EM

DRAWING NO.
1-AS601

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

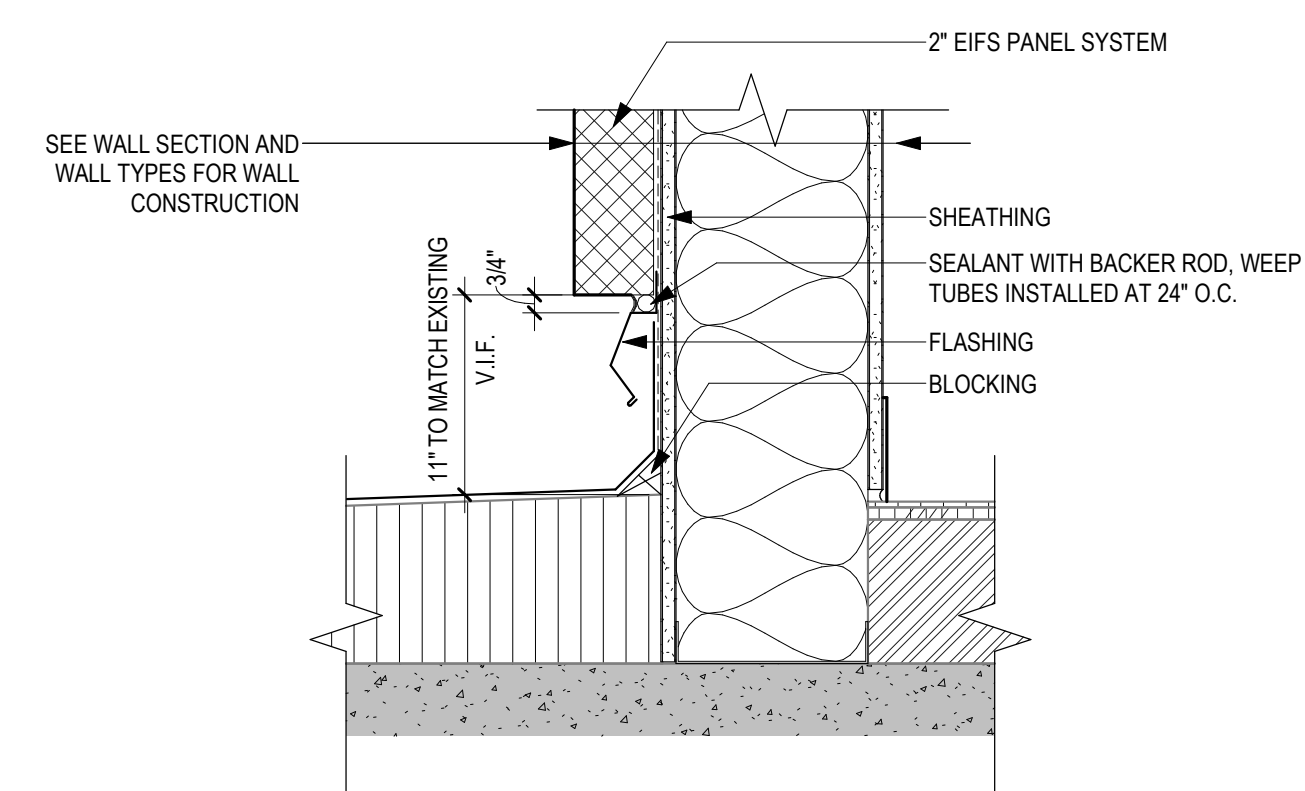
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DWG. OF

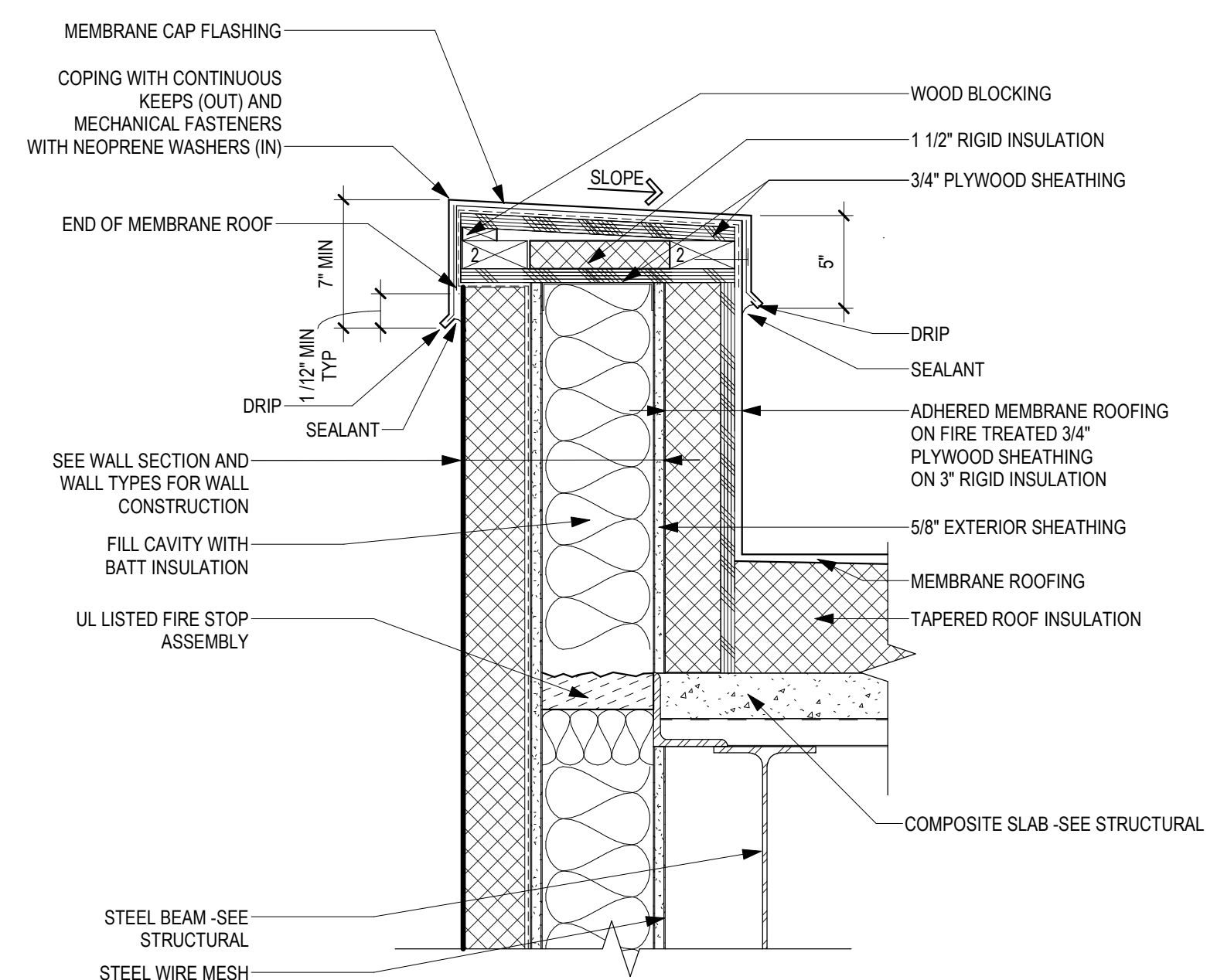
VA

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

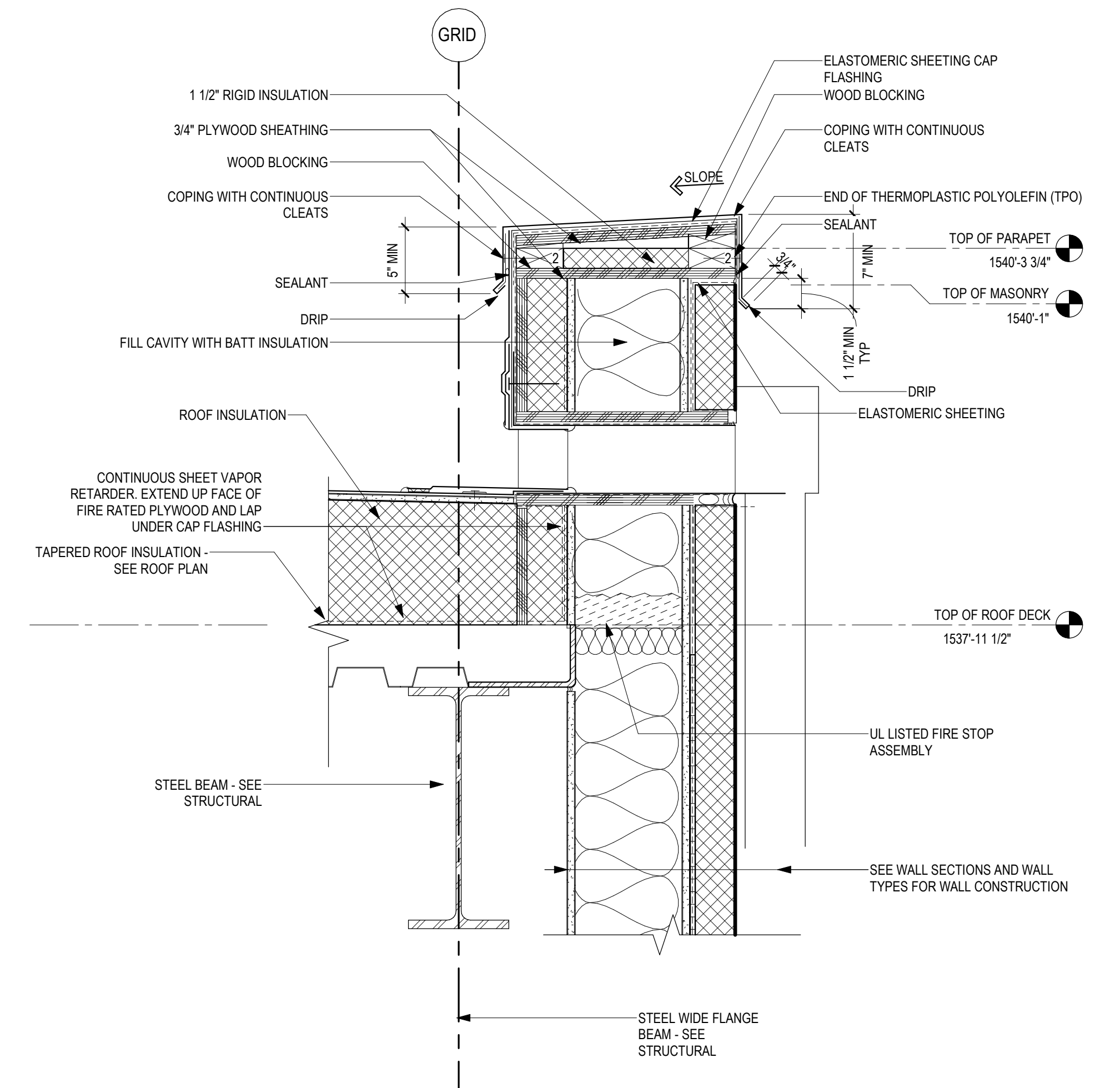
A B C D E F



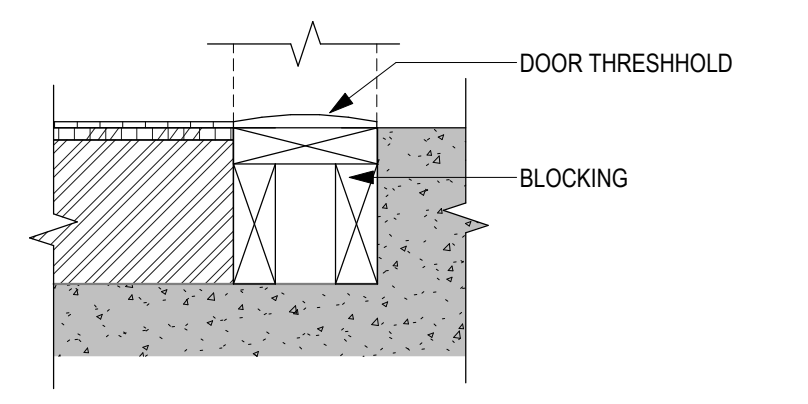
5 SECTION DETAIL - EIFS ROOF CONNECTION
1 1/2" = 1'-0"



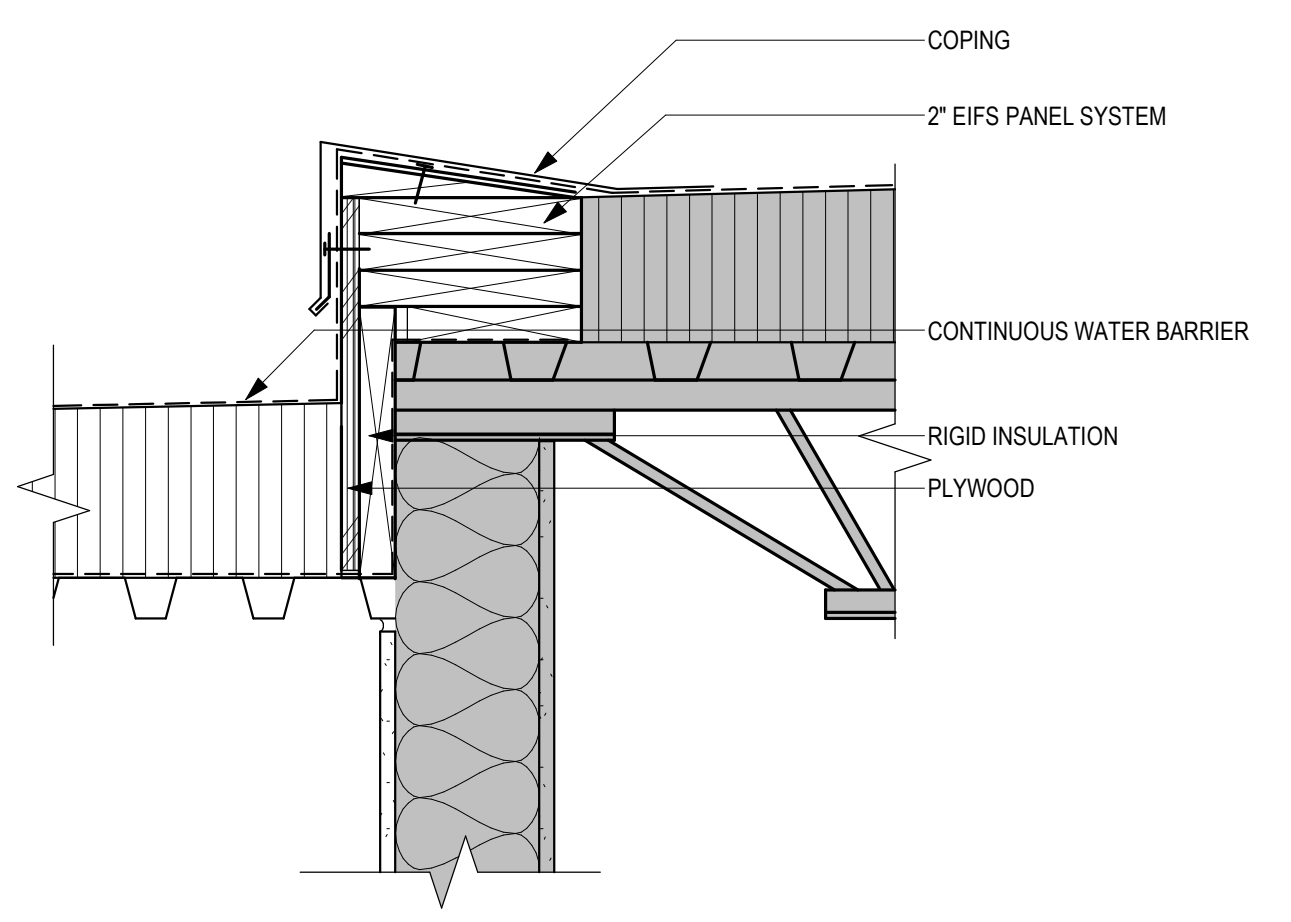
1 EXTERIOR EIFS PANEL PARAPET
1 1/2" = 1'-0"



4 SCUPPER PASS THROUGH
1 1/2" = 1'-0"



6 SECTION DETAIL - DOOR THRESHOLD BLOCKING
1 1/2" = 1'-0"



3 SECTION DETAIL - COPING AT REMOVED EIFS PANELING
1 1/2" = 1'-0"

4/21/2022 4:11:23 PM
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No.	REVISION	DATE

CONSULTANT

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Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

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

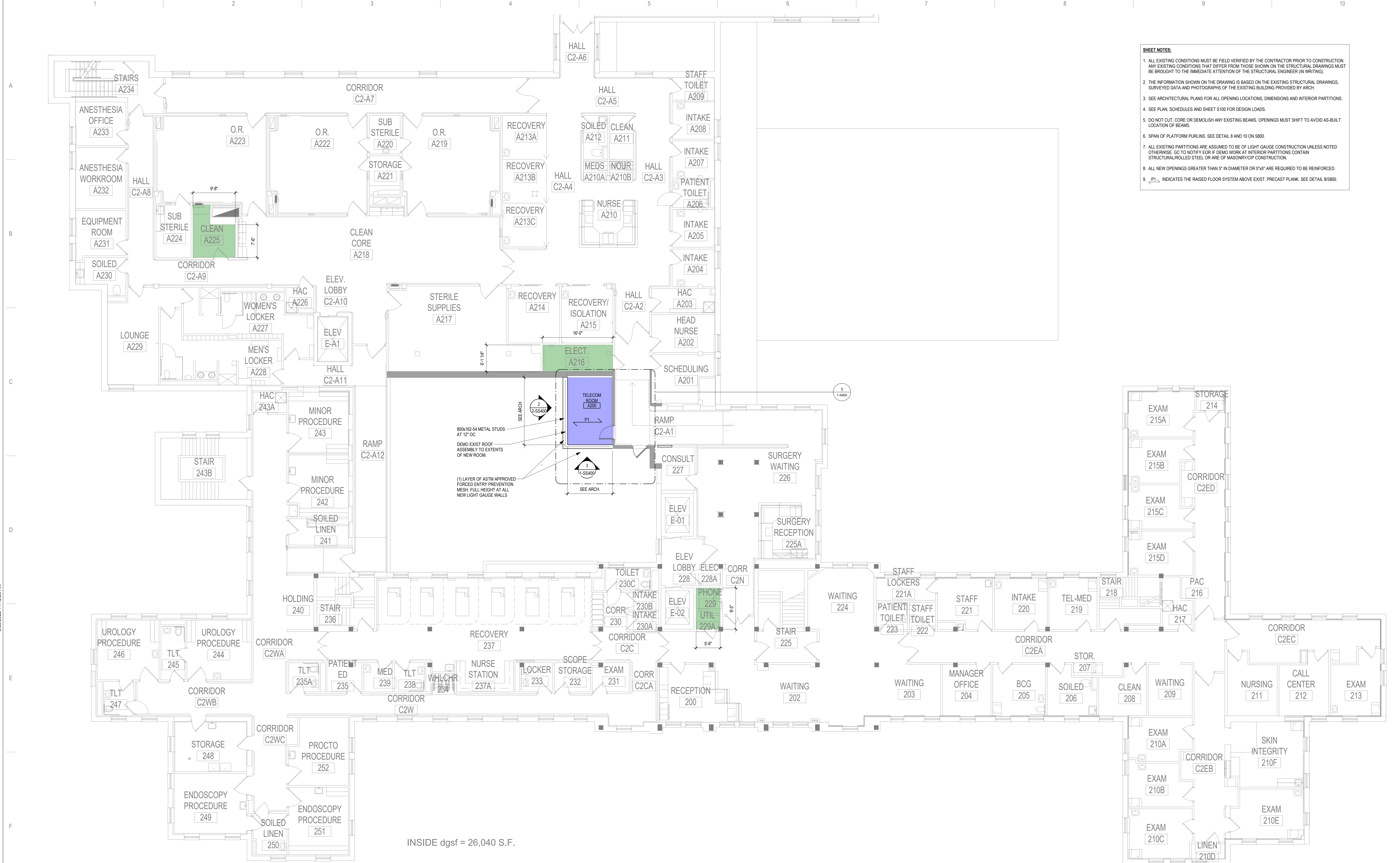
Name: *Tom Ciesak*
Typed or Printed Name: Tom Ciesak
Date: 03/30/2022 License Number: MN# 18157

DRAWING TITLE
SECTION DETAILS

PROJECT FILE EHRM INFRASTRUCTURE UPGRADES	DATE 03/30/2022
BUILDING No. 1	PLOT SCALE 656-21-235
CHECKED BY EM	DRAWN BY BMW
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	DRAWING NO. 1-AS602
FULLY SPRINKLERED	DWG. OF

VA

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



- SHEET NOTES:**
1. ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY EXISTING CONDITIONS THAT DIFFER FROM THOSE SHOWN ON THE STRUCTURAL DRAWINGS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE STRUCTURAL ENGINEER (IN WRITING).
 2. THE INFORMATION SHOWN ON THE DRAWING IS BASED ON THE EXISTING STRUCTURAL DRAWINGS, SURVEYED DATA AND PHOTOGRAPHS OF THE EXISTING BUILDING PROVIDED BY ARCH.
 3. SEE ARCHITECTURAL PLANS FOR ALL OPENING LOCATIONS, DIMENSIONS AND INTERIOR PARTITIONS.
 4. SEE PLAN, SCHEDULES AND SHEET S100 FOR DESIGN LOADS.
 5. DO NOT CUT, CORE OR DEMOLISH ANY EXISTING BEAMS. OPENINGS MUST SHIFT TO AVOID AS-BUILT LOCATION OF BEAMS.
 6. SPAN OF PLATFORM PURLINS. SEE DETAIL 8 AND 10 ON S800.
 7. ALL EXISTING PARTITIONS ARE ASSUMED TO BE OF LIGHT GAUGE CONSTRUCTION UNLESS NOTED OTHERWISE. GC TO NOTIFY EOR IF DEMO WORK AT INTERIOR PARTITIONS CONTAIN STRUCTURAL ROLLED STEEL OR ARE OF MASONRY/CMU CONSTRUCTION.
 8. ALL NEW OPENINGS GREATER THAN 5' IN DIAMETER OR 5'x5' ARE REQUIRED TO BE REINFORCED.
 9. P1 INDICATES THE RAISED FLOOR SYSTEM ABOVE EXIST. PRECAST PLANK. SEE DETAIL S800.

200#162-54 METAL STUDS AT 12" OC
 DEMO EXIST ROOF ASSEMBLY TO EXTENTS OF NEW ROOM.
 (1) LAYER OF ASTM APPROVED FORCED ENTRY PREVENTION MESH FULL HEIGHT AT ALL NEW LIGHT GAUGE WALLS

INSIDE dgsf = 26,040 S.F.

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

3/28/2022 11:42:23 AM C:\Users\johndem\Documents\16305-1-RC1-JohnK60DEN.rvt

NO.	REVISION	DATE

CONSULTANT

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7321 OHMS LANE SUITE #213 (507) 854-8302 TEL AST PROJECT NUMBER: MN 1964 EDINA, MN 55439 ASTENGL.COM 10360 Illinois Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com

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

DRAWING TITLE

SECOND FLOOR PLAN - OVERALL

PROJECT TITLE

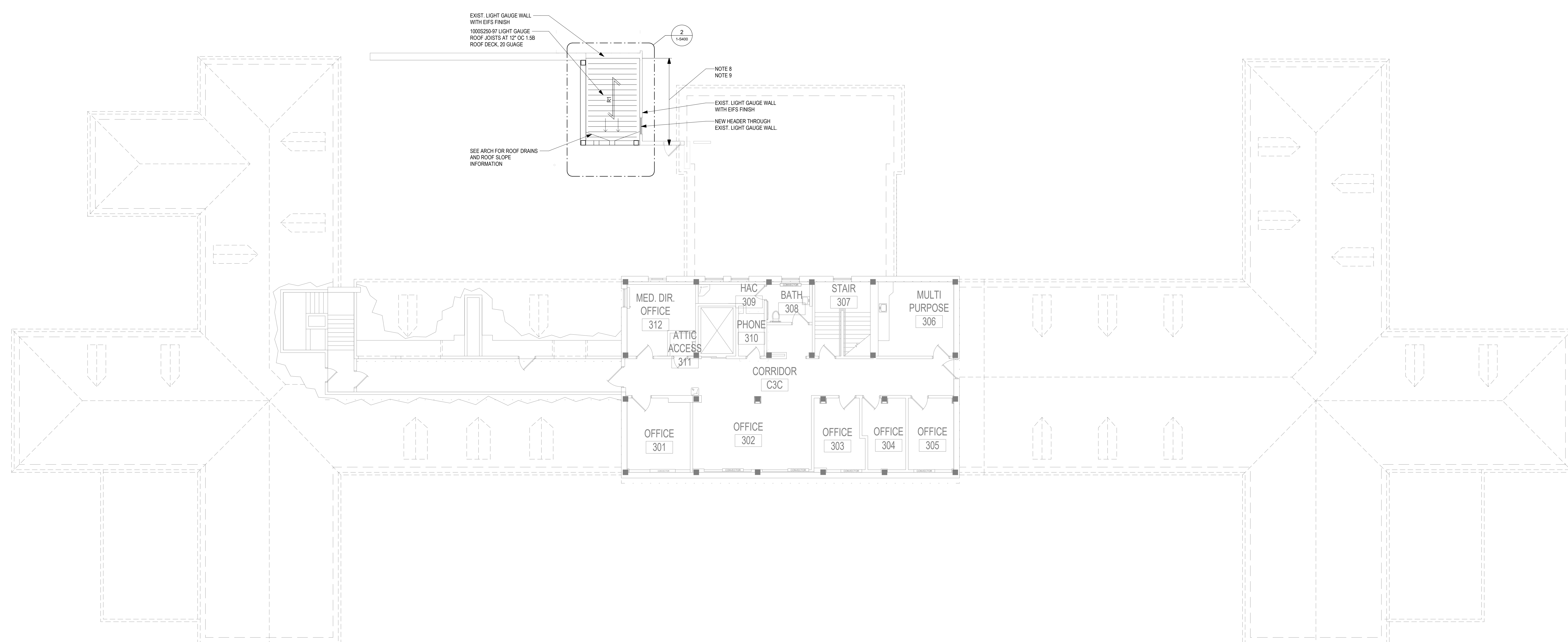
EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
 PLOT SCALE: [Blank]
 PROJECT NO: 656-21-235
 BUILDING NO: 1
 CHECKED BY: ZDC
 DRAWN BY: JRO
 SHEET NO: 1-5120
 LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
 FULLY SPRINKLERED
 DWG. OF: [Blank]

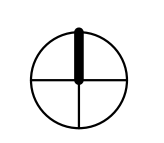
VA

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

- SHEET NOTES:**
1. ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY EXISTING CONDITIONS THAT DIFFER FROM THOSE SHOWN ON THE STRUCTURAL DRAWINGS MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE STRUCTURAL ENGINEER (IN WRITING).
 2. THE INFORMATION SHOWN ON THE DRAWING IS BASED ON THE EXISTING STRUCTURAL DRAWINGS, SURVEYED DATA AND PHOTOGRAPHS OF THE EXISTING BUILDING PROVIDED BY ARCH.
 3. SEE ARCHITECTURAL PLANS FOR ALL OPENING LOCATIONS, DIMENSIONS AND INTERIOR PARTITIONS.
 4. SEE PLAN, SCHEDULES AND SHEET S100 FOR DESIGN LOADS.
 5. DO NOT CUT, CORE OR DEMOLISH ANY EXISTING BEAMS. OPENINGS MUST SHIFT TO AVOID AS-BUILT LOCATION OF BEAMS.
 6. ALL EXISTING PARTITIONS ARE ASSUMED TO BE OF LIGHT GAUGE CONSTRUCTION UNLESS NOTED OTHERWISE. GC TO NOTIFY EOR IF DEMO WORK AT INTERIOR PARTITIONS CONTAIN STRUCTURAL ROLLED STEEL OR ARE OF MASONRY/CMU CONSTRUCTION.
 7. ALL NEW OPENINGS GREATER THAN 5" IN DIAMETER OR 5'x5' ARE REQUIRED TO BE REINFORCED.
 8. ADD 6" 20 GA STUDS AT MID SPACING BETWEEN ALL EXISTING STUDS. SAVE AND REUSE EIFS SYSTEM ONCE LIGHT GAUGE WORK IS COMPLETE.
 9. SHORE EXISTING BAR JOISTS ALONG EXISTING WALL UNTIL HEADER, ROOF PURLINS, AND ADDITIONAL VERT. STUDS ARE FULLY COMPLETE.
 10. _R1_ INDICATES 1.5 B ROOF DECK, 20GA #12 SCREWS IN 367 PATTERN, (2) #12 SIDELAP SCREWS. SUPPORTS STONE BALLAST ON RIGID INSULATION.



1 ATTIC FLOOR PLAN
1/8" = 1'-0"



C:\Users\johansen\Documents\16305-1-RCT-1\johansen\KGDEN.rvt 3/28/2022 11:42:20 AM

No.	REVISION	DATE

CONSULTANT

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7301 OHMS LANE
SUITE #210
OSKO, MN 55052 TEL: 656-21-235
AST PROJECT NUMBER: MN 1964

EDINA, MN 55439
ASTENG.COM

10160 Illinois Circle
Omaha, NE 68134

Phone: 402.991.5530
www.specializedeng.com

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PRINT NAME: **Zachary D. Craig**

SIGNATURE: *[Signature]*

DATE: 2/7/2022 LICENSE #57219

DRAWING TITLE

ATTIC FLOOR PLAN - OVERALL

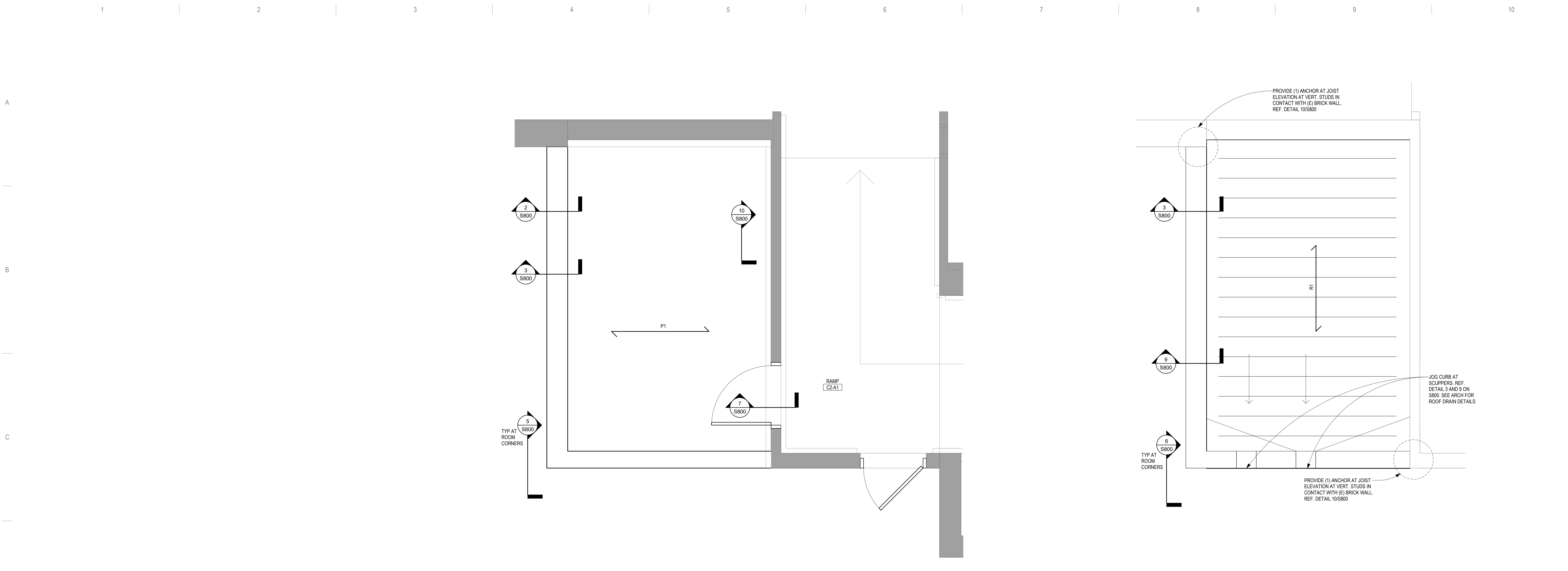
PROJECT TITLE	DATE
EHRM INFRASTRUCTURE UPGRADES	03/30/2022
BUILDING No.	PROJECT NO.
1	656-21-235
CHECKED BY	DRAWN BY
ZDC	JRO
DATE	SCALE
1-5130	1-5130
LOCATION	STATUS
VA MEDICAL CENTER ST. CLOUD, MN 56303	FULLY SPRINKLERED

VA

U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System

3/28/2022 11:42:16 AM



1 ENLARGED FLOOR PLAN - RM A200
1/2" = 1'-0"

2 ROOF PLAN - RM A200
1/2" = 1'-0"

No.	REVISION	DATE

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PRINT NAME: **Zachary D. Craig**

SIGNATURE: *[Signature]*

DATE: 2/24/2022 LICENSE #57219

DRAWING TITLE

LARGE SCALE PLANS

PROJECT TITLE

EHRM INFRASTRUCTURE UPGRADES

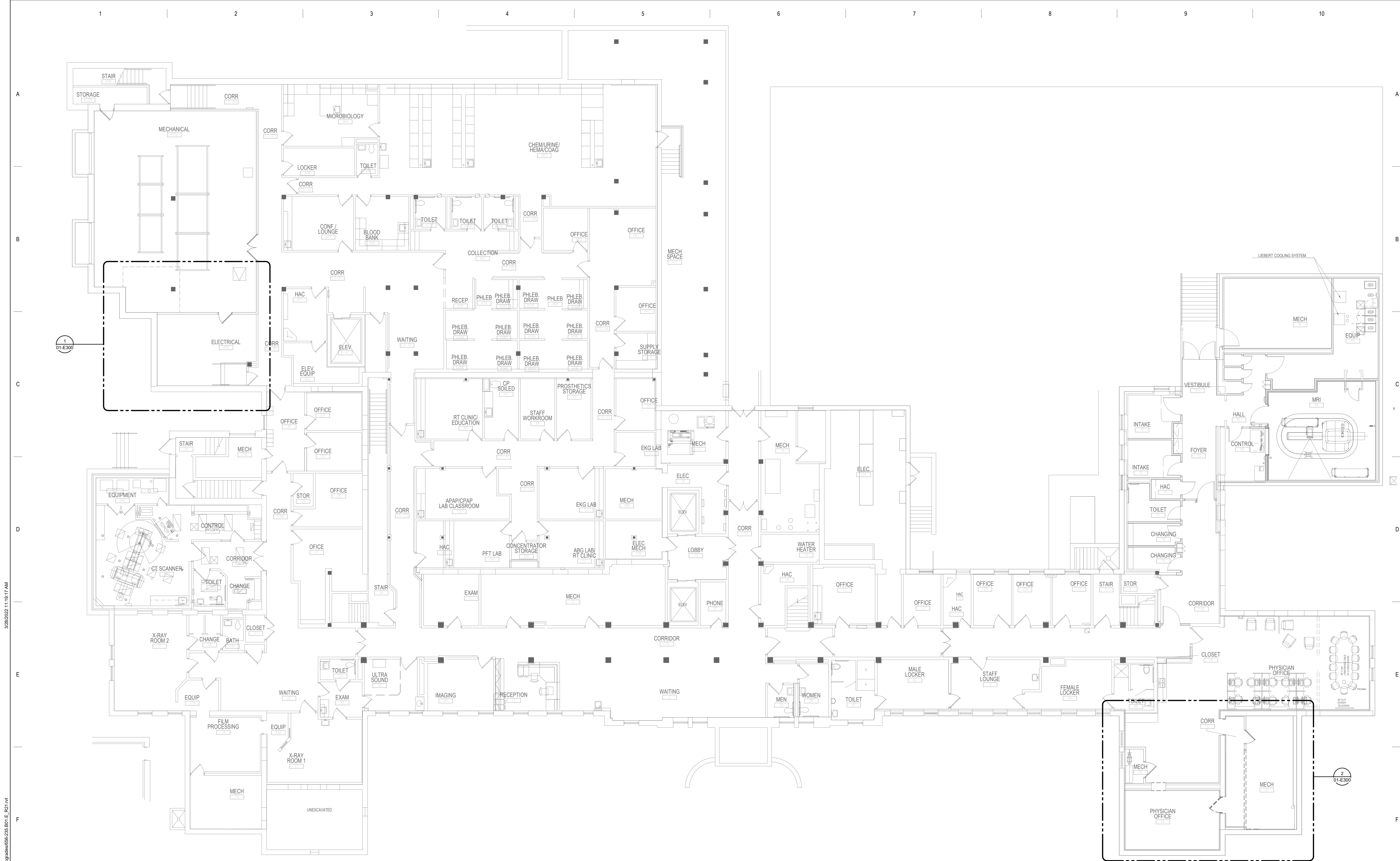
DATE: 03/30/2022
PLOT SCALE:
PROJECT NO: 656-21-235
BUILDING NO: 1
CHECKED BY: ZDC
DRAWN BY: JRO
DRAWING NO: 1-5400

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

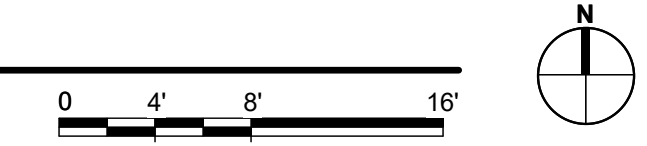
VA

U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System



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



BIM 360/21102.001 - VA St. Cloud EHRM Infrastructure Upgrades-656-235-B01_E_RZ1.dwg 3/28/2022 11:19:17 AM

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I hereby certify that this 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: License Number: MN# 53095
 Date: 03/30/2022

DRAWING TITLE
 BASEMENT DEMOLITION - ELECTRICAL

PROJECT FILE
 EHRM INFRASTRUCTURE UPGRADES

DATE
 03/04/2022

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

PROJECT NO.
 656-21-235

BUILDING NO.
 1

CHECKED BY
 TBD

DRAWN BY
 G.J.L.

DRAWING NO.
 01-E100

LOCATION
 VA MEDICAL CENTER
 ST. CLOUD, MN 56303

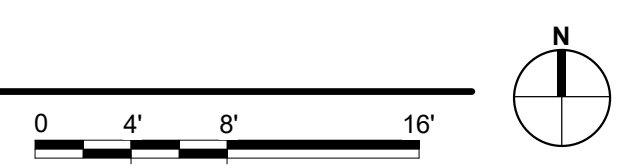
FULLY SPRINKLERED

DWG. OF

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 Veterans Health Administration
 St. Cloud VA Health Care System



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



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

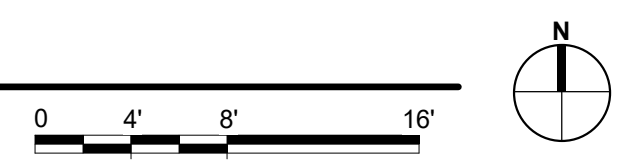
DRAWING TITLE
 FIRST FLOOR DEMOLITION - ELECTRICAL

PROJECT FILE	EHRM INFRASTRUCTURE UPGRADES	DATE	03/30/2022
PLOT SCALE		PROJECT NO.	656-21-235
BUILDING No.	1	DRAWN BY	GJL
CHECKED BY	TBD	DATE	01-E101
LOCATION	VA MEDICAL CENTER ST. CLOUD, MN 56303	FULLY SPRINKLERED	DWG. OF

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 Veterans Health Administration
 St. Cloud VA Health Care System



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



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100% CD	03/30
No	REVISION
	DATE

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

DRAWING TITLE
BASEMENT - ELECTRICAL

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/04/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

BUILDING NO.
1

CHECKED BY
TBD

DRAWN BY
G.J.L.

DRAWING NO.
01-E200

LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

DWG. OF

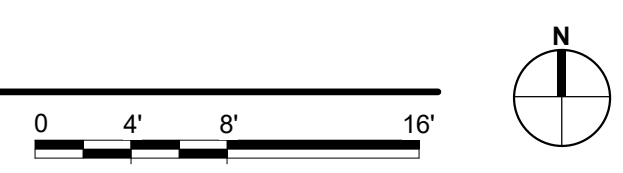
VA

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



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

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



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 Date: 03/30/2022
 License Number: MN# 53095

DRAWING TITLE
 FIRST FLOOR - ELECTRICAL

PROJECT FILE
 EHRM INFRASTRUCTURE UPGRADES

DATE
 03/04/2022

PLOT SCALE
 AS SHOWN

PROJECT NO.
 656-21-235

BUILDING NO.
 1

CHECKED BY
 TBD

DRAWN BY
 GJL

DRAWING NO.
 01-E201

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



INSIDE dgsf = 26,040 S.F.

1 SECOND FLOOR - ELECTRICAL
1/8" = 1'-0"

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

DRAWING TITLE
SECOND FLOOR - ELECTRICAL

PROJECT FILE
EHRM INFRASTRUCTURE UPGRADES

DATE
03/04/2022

PLOT SCALE
AS SHOWN

PROJECT NO.
656-21-235

DRAWING NO.
01-E202

CHECKED BY
TBD

DRAWN BY
G.J.L.

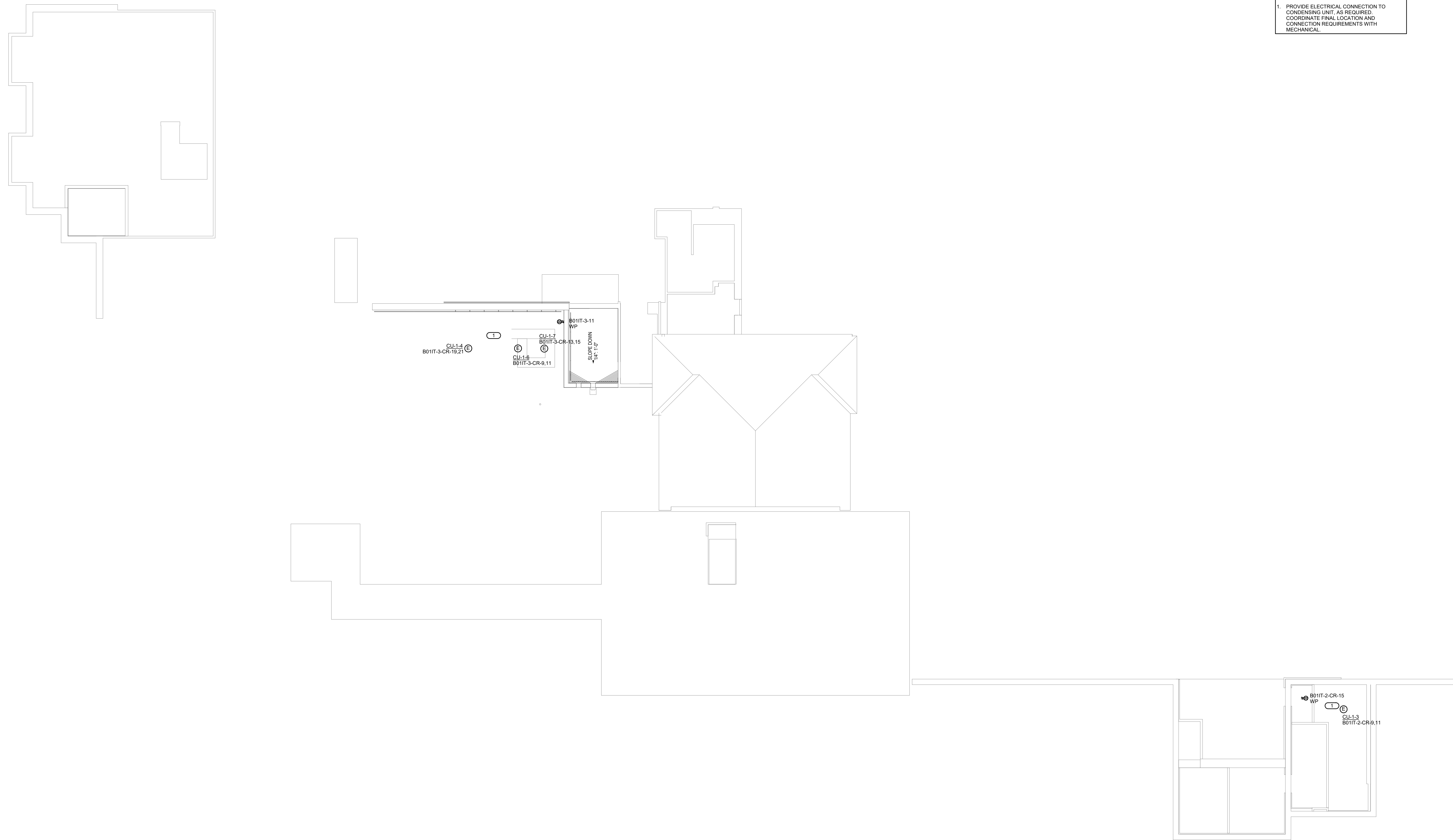
LOCATION
VA MEDICAL CENTER
ST. CLOUD, MN 56303

FULLY SPRINKLERED

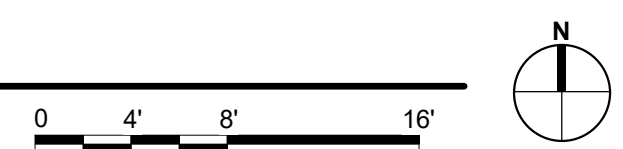
DWG. OF

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

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



1 ROOF - ELECTRICAL
1/8" = 1'-0"



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No.	REVISION	DATE
100% CD		03/30

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

DRAWING TITLE
ROOF - ELECTRICAL

PROJECT FILE EHRM INFRASTRUCTURE UPGRADES	DATE 03/04/2022
BUILDING No 1	PLOT SCALE AS SHOWN
CHECKED BY TBD	PROJECT NO. 656-21-235
DRAWN GJL	DRAWING NO. 01-E204
LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	DATE OF FULLY SPRINKLERED




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

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 ADDITIONAL COMPENSATION 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.

KEYED NOTES 1/01-M100:

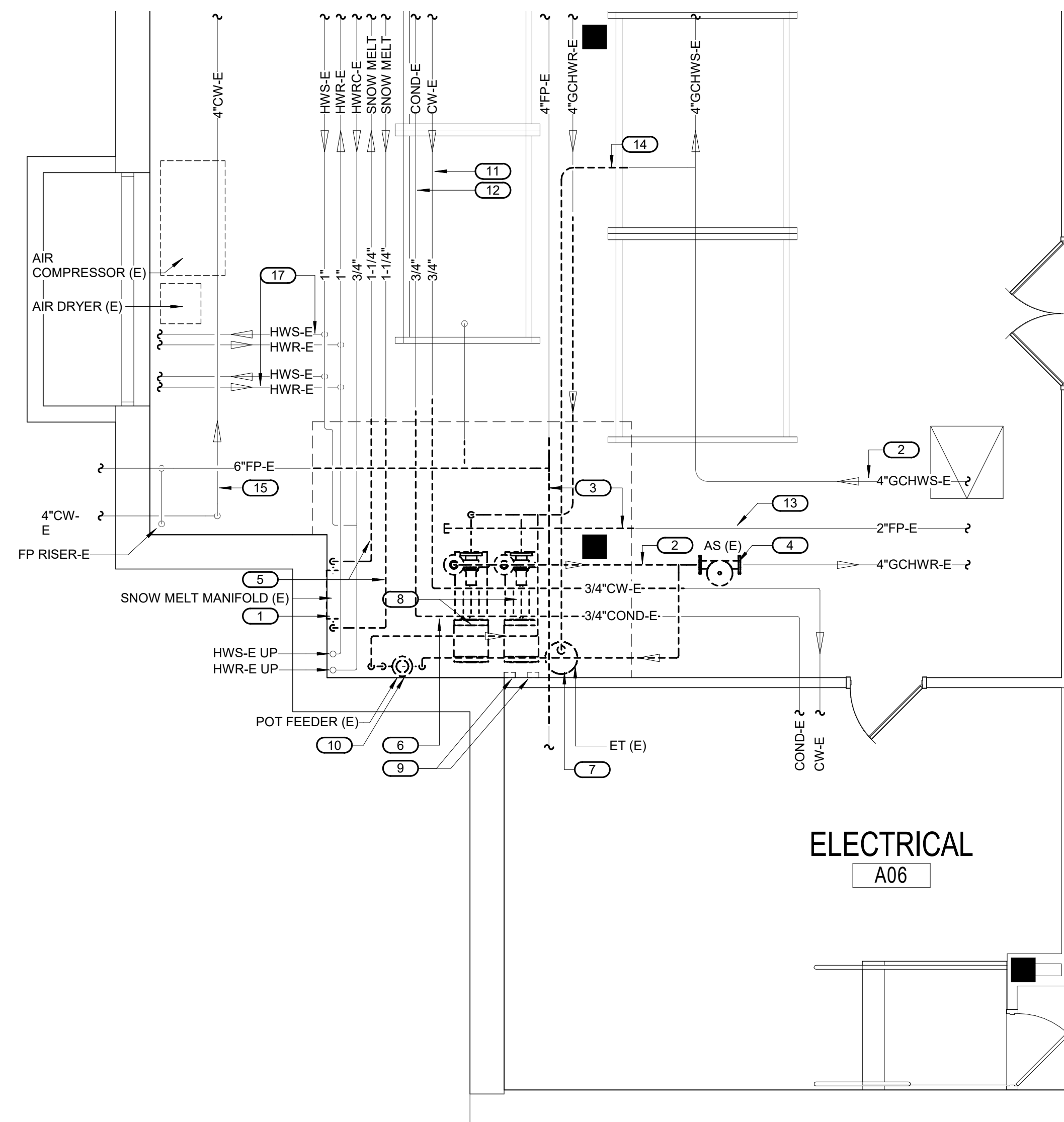
- EXISTING SNOW MELT MANIFOLD TO BE RELOCATED.
- EXISTING 4" GLYCOL CHILLED WATER
- EXISTING 4" FIRE SPRINKLER MAIN PIPING TO BE REROUTED.
- EXISTING AIR SEPARATOR TO BE RELOCATED.
- EXISTING SNOW MELT PIPING TO BE REROUTED.
- EXISTING 1" COND WATER TO BE REROUTED.
- EXISTING EXPANSION TANK TO BE RELOCATED.
- EXISTING CHILLED WATER PUMPS TO BE RELOCATED.
- EXISTING PRESSURE SWITCHES
- EXISTING CHEMICAL POT FEEDER TO BE RELOCATED.
- EXISTING 1" DOM WATER
- EXISTING 1" COND DRAIN
- EXISTING FIRE SPRINKLER
- EXISTING 1" EXPANSION LINE
- EXISTING 4" DOM WATER
- EXISTING 2-1/2" FIRE SPRINKLER LINE UP.
- EXISTING HWS & HWR BRANCH LINES.

KEYED NOTES 2/01-M100:

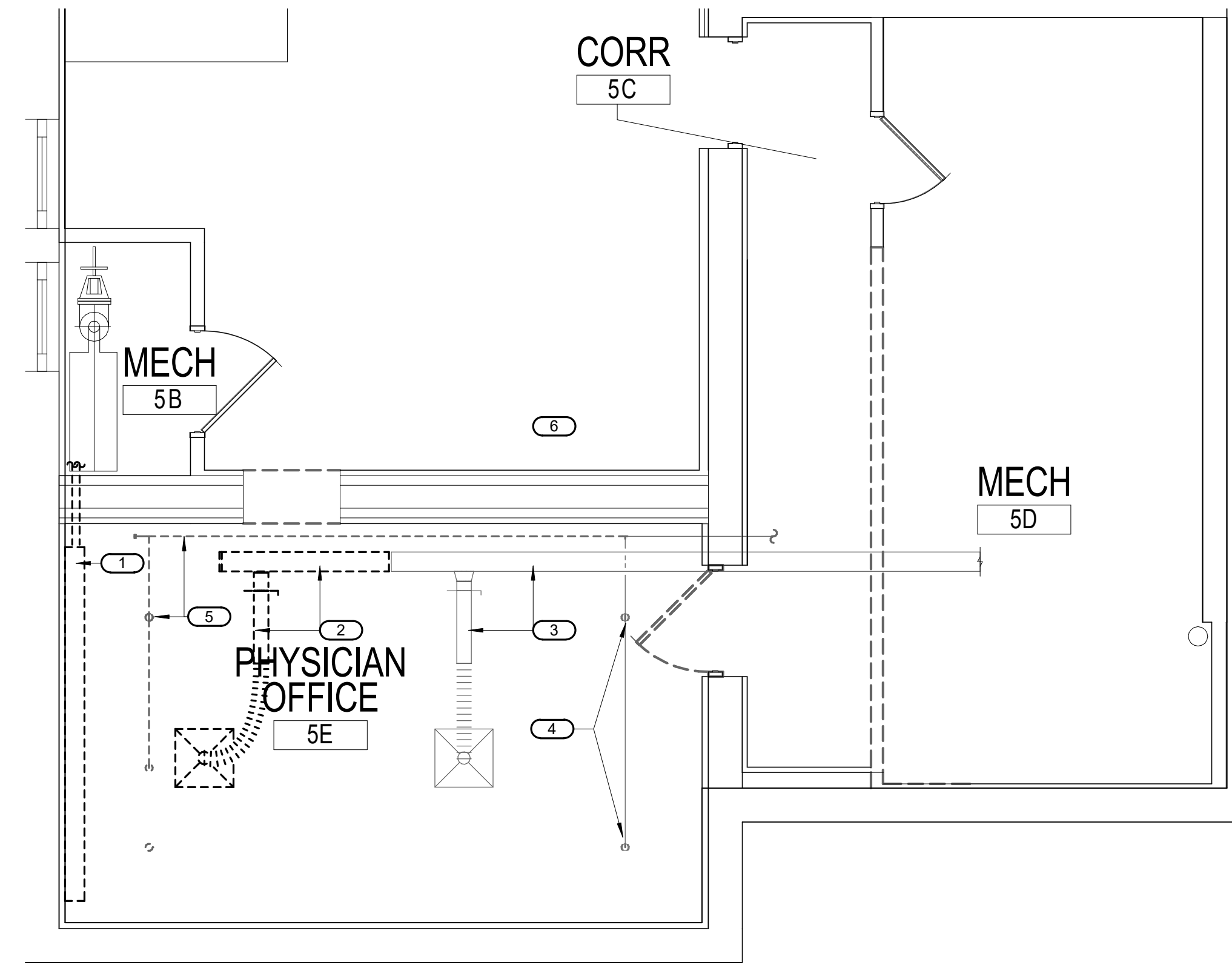
- EXISTING FIN-TUBE RADIATION TO BE REMOVED AND PIPING CAPPED IN MECHANICAL ROOM.
- EXISTING SUPPLY DIFFUSERS TO BE RECONFIGURED. REMOVE SUPPLY AIR BRANCH DUCT AS SHOWN.
- EXISTING SUPPLY DUCT MAIN TO REMAIN.
- EXISTING SPRINKLERS AND BRANCH PIPING IN THIS AREA TO REMAIN.
- EXISTING FIRE PROTECTION SPRINKLER HEADS AND PIPING TO BE RECONFIGURED.
- REFER TO SHEET 01-M200 FOR REMODEL WORK IN THIS AREA.

MECHANICAL GENERAL NOTES:

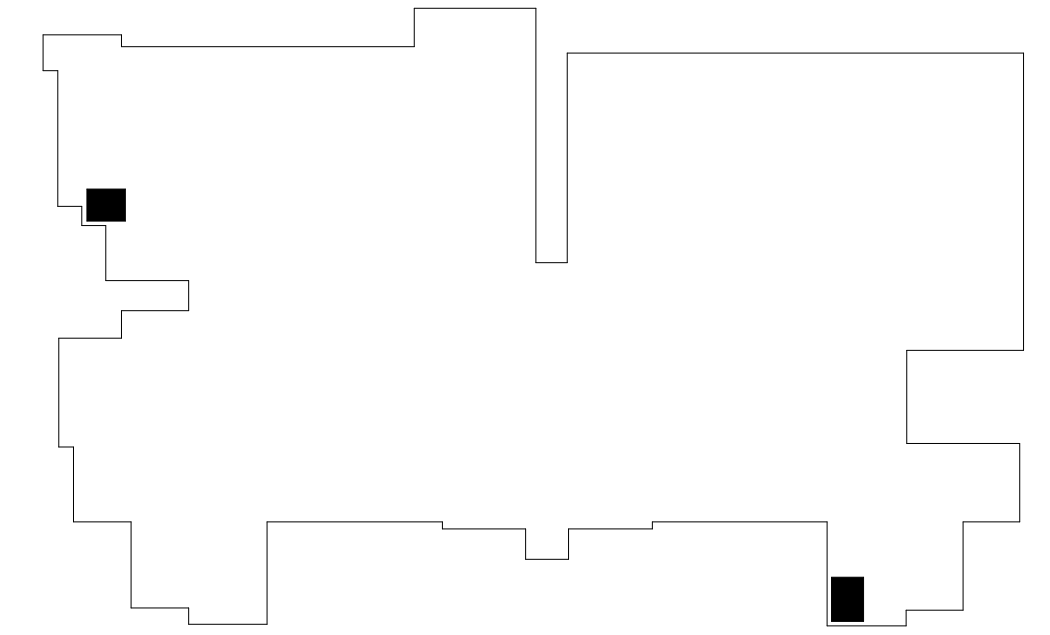
- THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.
- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
 - DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
 - COORDINATE ALL WORK WITH ALL OTHER TRADES AND COR PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE COR AND THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
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1 BASEMENT DEMOLITION -MECHANICAL - TELECOM A05C
1/4" = 1'-0"



2 BASEMENT DEMOLITION - MECHANICAL - TELECOM 005F
1/4" = 1'-0"



KEYPLAN - BASEMENT
NOT TO SCALE

BIM 360://21102.001 - VA St. Cloud EHRM Infrastructure Upgrades-656-235-B01_M_R21.rvt 3/28/2022 2:36:52 PM

CONSULTANT

AST SES SPECIALIZED ENGINEERING SOLUTIONS

10360 Illinois Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 | F 763.412.4090 | ae-mn.com Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

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

Name: DOUGLAS
Date: 03/30/2022
License Number: MN# 24706

DRAWING TITLE

BASEMENT DEMOLITION - MECHANICAL

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PROJECT NO: 656-21-235
DRAWING NO: 01-M100

BUILDING NO: 1
CHECKED BY: RDL
DRAWN BY: 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

FIELD VERIFICATION NOTES

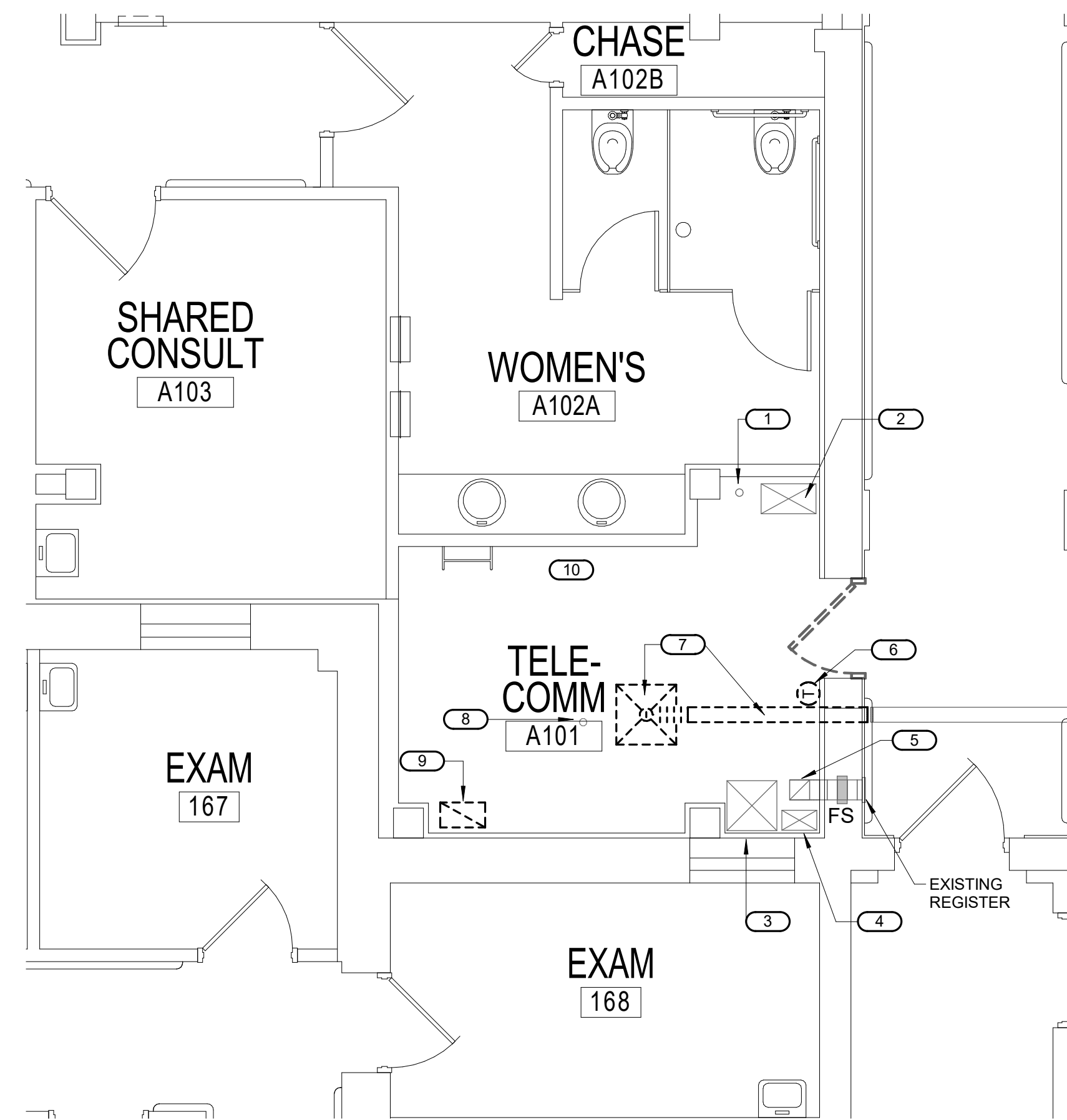
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KEYED NOTES 1/01-M101:

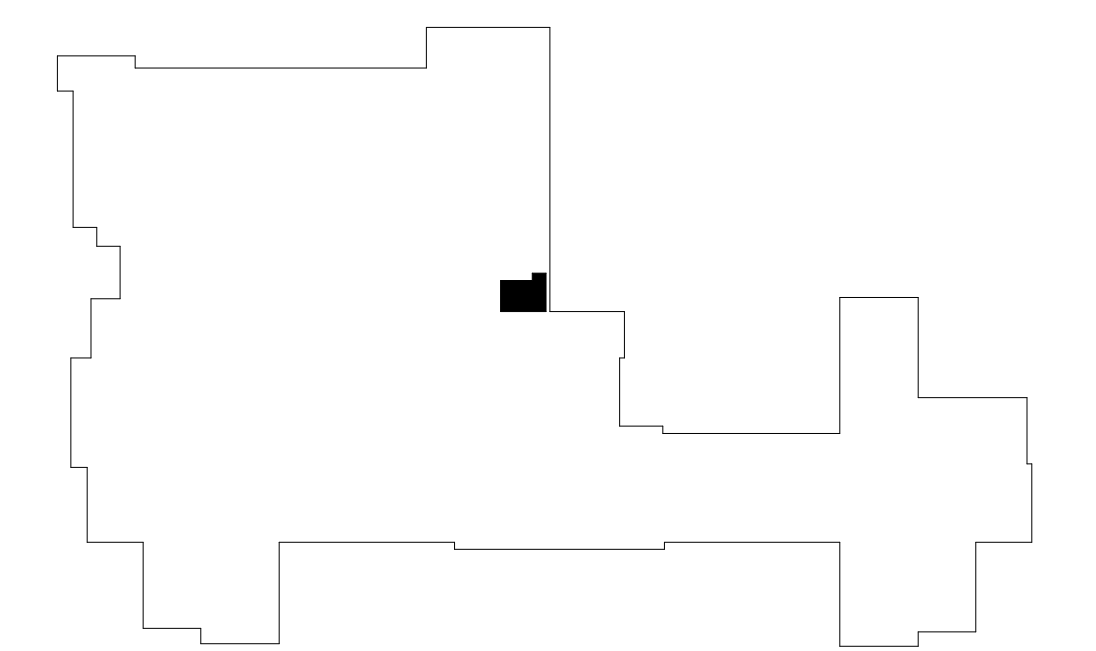
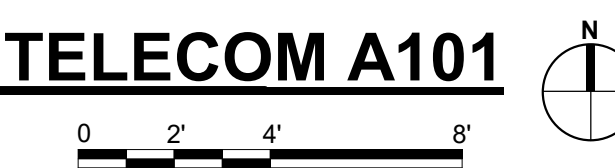
1. EXISTING 4" DRAIN PIPE UP & DN TO REMAIN.
2. EXISTING 22X12 EXHAUST DUCT UP & DN TO REMAIN.
3. EXISTING 20X20 SUPPLY AIR DUCT UP & DN TO REMAIN.
4. EXISTING 14X8 RETURN DUCT UP & DN TO REMAIN.
5. EXISTING 8X8 RETURN AIR DUCT UP TO REMAIN.
6. EXISTING THERMOSTAT TO BE REMOVED.
7. EXISTING DIFFUSER AND ASSOCIATED DUCTWORK TO BE REMOVED. CAP DUCT WHERE SHOWN ON DRAWINGS.
8. EXISTING FIRE SPRINKLER HEAD TO REMAIN.
9. EXISTING RETURN AIR GRILLE TO BE REMOVED.
10. REFER TO SHEET 01-M201 FOR REMODEL WORK IN THIS AREA.

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1/4" = 1'-0"



KEYPLAN - FIRST FLOOR
NOT TO SCALE

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No.	REVISION	DATE

CONSULTANT

10160 Illinois Circle
Omaha, NE 68134
Phone: 402.991.5530
www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

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Name: DOUGLAS
Date: 03/30/2022
License Number: MN# 24706

DRAWING TITLE

FIRST FLOOR DEMOLITION - MECHANICAL

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PROJECT NO: 656-21-235

BUILDING NO: 1
CHECKED BY: RDL
DRAWN BY: JCL
DRAWING NO: 01-M101

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

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

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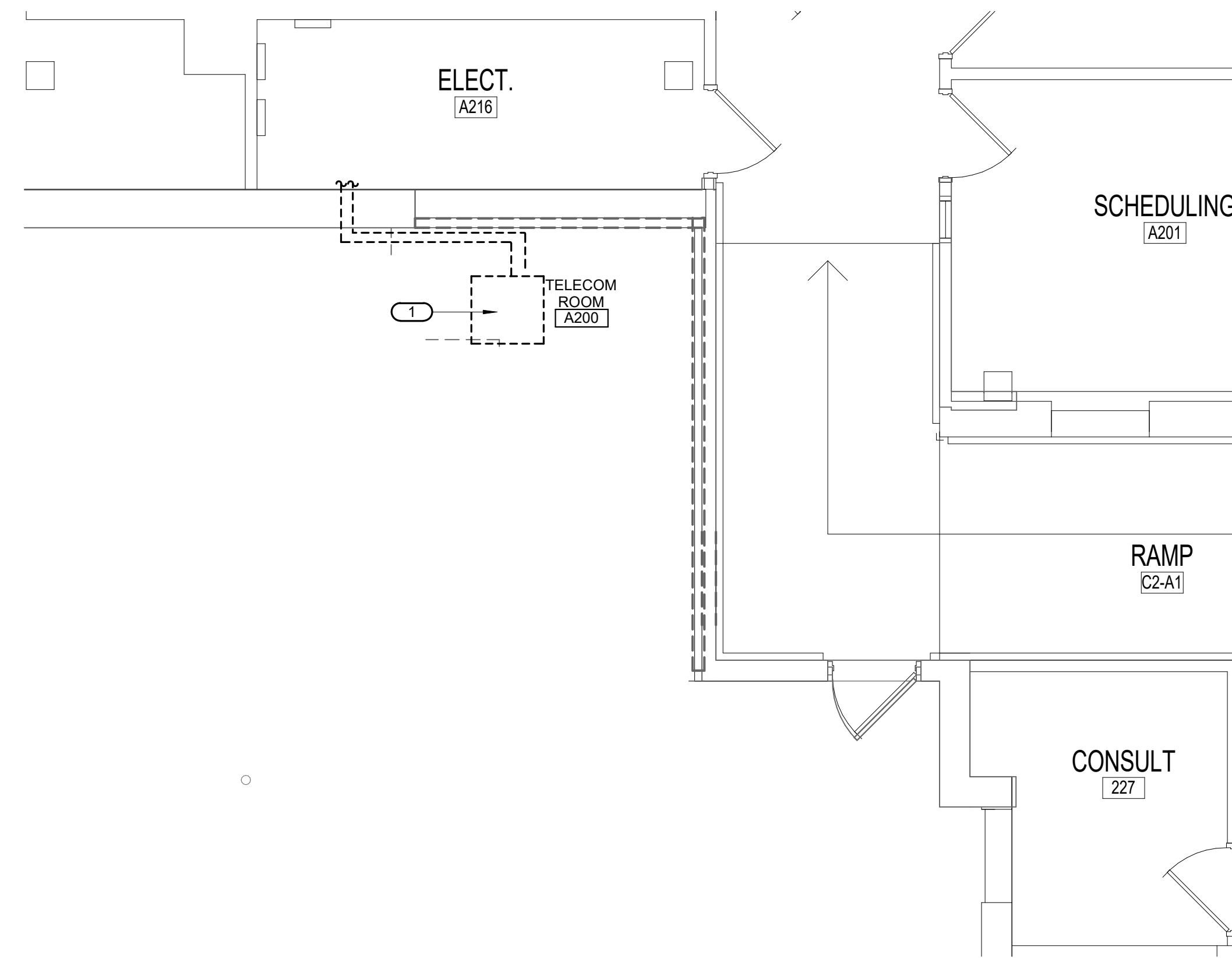
KEYED NOTES 1/02-M102:

1. EXISTING HEATCRAFT MODEL FC855M ACCU AND ASSOCIATED REFRIGERANT PIPING TO BE RELOCATED. SEE SHEET 01-M202 FOR UNIT'S NEW LOCATION.

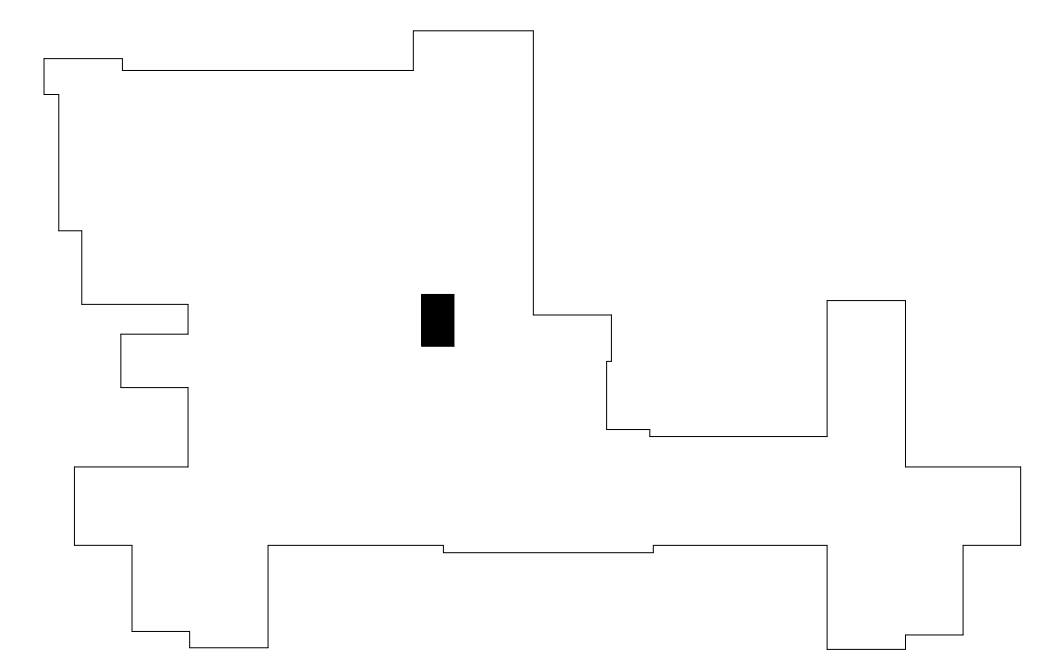
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1 SECOND FLOOR DEMOLITION - MECHANICAL - TELECOM A200
 1/4" = 1'-0"
 0 2 4 8'



KEYPLAN - SECOND FLOOR
 NOT TO SCALE

BIM 360://1102.1011 - VA St. Cloud EHRM Infrastructure Upgrades/656-235-B01.M_R21.rvt 3/28/2022 2:36:59 PM

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No	REVISION
	DATE

CONSULTANT

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 Omaha, NE 68134
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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 Engineer under the laws of the State of Minnesota.
 Name: Douglas Anderson
 Date: 03/30/2022
 License Number: MN# 24706

SECOND FLOOR DEMOLITION - MECHANICAL

EHRM INFRASTRUCTURE UPGRADES
 DATE: 03/30/2022
 PROJECT NO: 656-21-235
 BUILDING NO: 1
 CHECKED BY: RDL
 DRAWN BY: JCL
 SHEET NO: 01-M102
 LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303
 FULLY SPRINKLERED
 DWG. OF

U.S. Department of Veterans Affairs
 Veterans Health Administration
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KEYED NOTES 1/01-M200:

- REFER TO SHEET PHOTOS FOR EXISTING CONDITIONS - FIELD COORDINATE DEMOLITION WORK AS REQUIRED.
- PAN EXISTING HEATING WATER PIPING TO REMAIN IN THIS AREA.
- PAN EXISTING UNIT CONDENSATE PIPING IN THIS AREA.
- RELOCATED CHILLED WATER PUMPS
- RELOCATED EXPANSION TANK
- RELOCATED POT FEEDER
- RELOCATED PRESSURE SWITCHES
- RELOCATED AIR COMPRESSOR AND AIR DRYER
- ROUTE CP-1 PIPING TO NEAREST FLOOR DRAIN.
- NEW THERMOSTAT, INTERFACED TO SERVE AC-1.1.

KEYED NOTES 2/01-M200:

- CAP DUCT IN THIS LOCATION
- NEW WALL MOUNTED DUCTLESS COOLING UNIT AC-1.3
- ROUTE NEW REFRIGERANT PIPE UP TO NEW CU LOCATED ON ROOF. SEE SHEET 01-M204 FOR CONTINUATION.
- NEW HYDRONIC CABINET UNIT HEATER CUH-1.
- CONNECT NEW 3/4" HWS & HWR TO EXISTING.
- NEW THERMOSTAT, INTERFACE TO SERVE BOTH AC-1.3 AND CUH-1.
- ROUTE NEW CONDENSATE PIPING FOR AC-1.3 TO NEAREST FLOOR DRAIN IN MECHANICAL ROOM 50 - FIELD COORDINATE EXACT ROUTING.
- PROVIDE CONDENSATE PAN FOR ALL CONDENSATE PIPING.
- EXTEND FIRE SPRINKLER BRANCH LINES AND PROVIDE NEW SPRINKLER HEADS.
- PAN COOLING UNIT CONDENSATE PIPING IN THIS AREA.

MECHANICAL GENERAL NOTES:

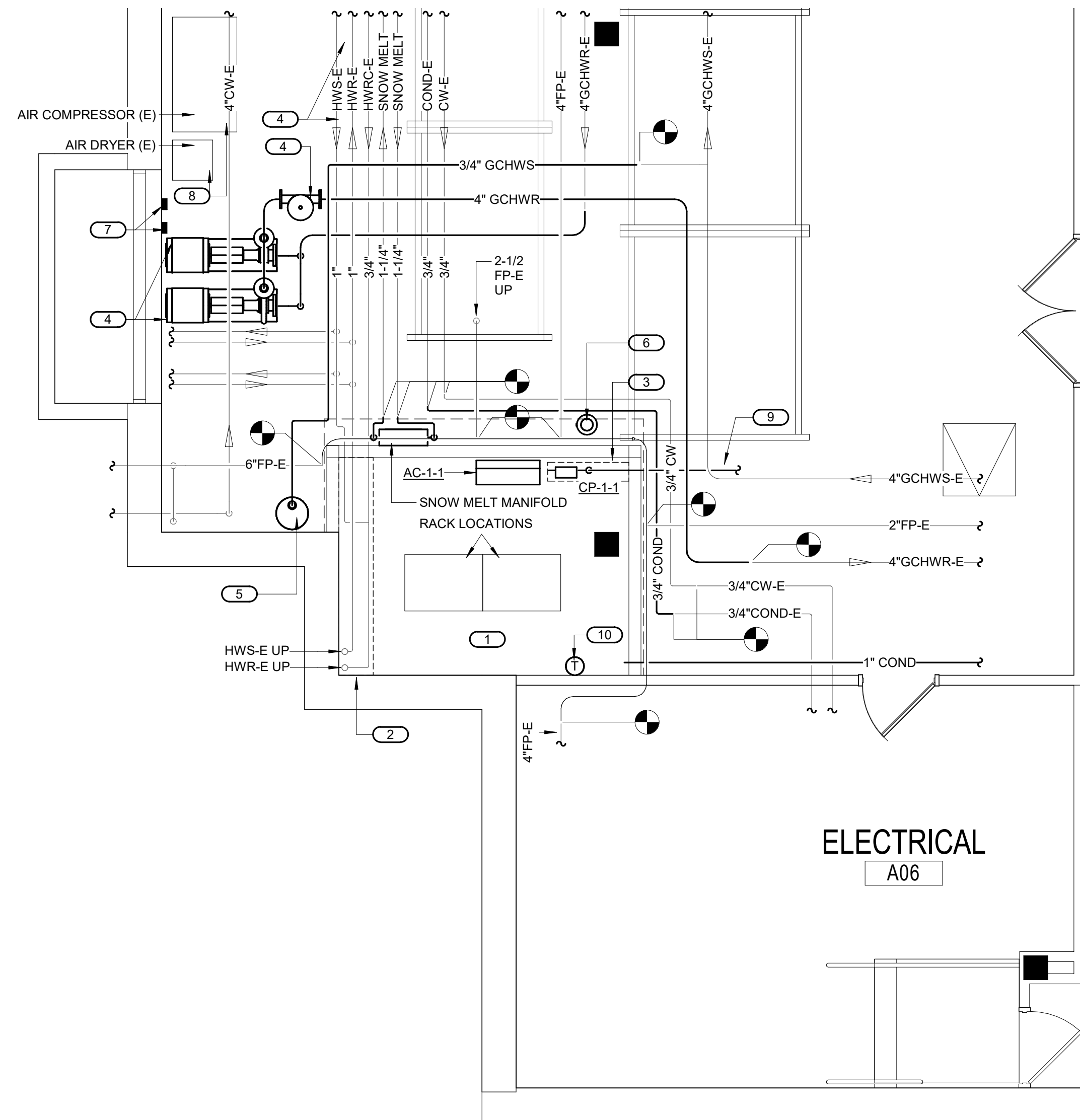
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- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- COORDINATE ALL WORK WITH ALL OTHER TRADES AND COR PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE COR AND THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS. FINAL LOCATIONS TO BE ACCURATELY DESCRIBED IN AS-BUILTS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST, TIME OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO CONTRACT DOCUMENTS, TO INCLUDE, BUT TO LIMITED TO, THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
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- SEAL ALL FLOOR AND WALL PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. BOTH NEW AND EXISTING PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES, BOTH NEW AND EXISTING. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN MINIMUM 3'-6" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTERS, SWITCHES, AND DISCONNECTS.
- PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
- DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.
- CONTRACTOR TO COORDINATE SCHEDULE OF ANY NOISE-PRODUCING WORK SCOPE WITH COR NOT LESS THAN 10 DAYS PRIOR TO COMMENCING THIS WORK.
- ALL CARTS, EQUIPMENT, MATERIALS AND TOOLS AS WELL AS ALL TOOL BAGS/BOXES AND LADDERS, ARE TO BE LABELED CLEARLY IDENTIFYING THE CONTRACTOR/SUBCONTRACTOR NAME AND PROJECT.
- STORAGE OF ALL TOOLS, EQUIPMENT, AND MATERIALS IS ONLY AUTHORIZED IN APPROVED LOCATIONS.

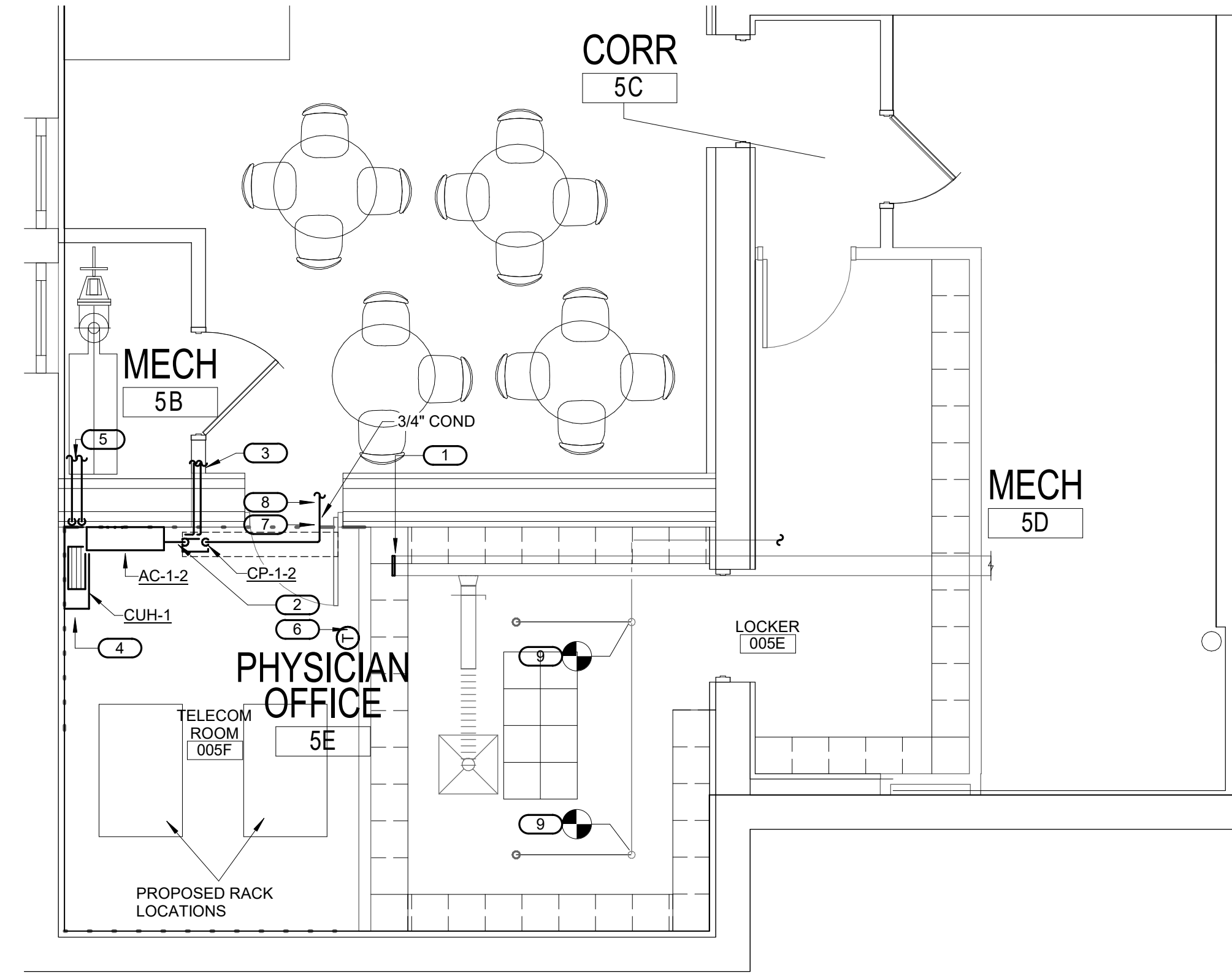
MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY COR AND ENGINEER OF ANY CONFLICTS WITH NEW WORK.
- FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
- EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF HIS/HER WORK AND SHALL NOTIFY THE GENERAL COR AND ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO HIS/HER AREA OF WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE COR AND ENGINEER OF AFFECTED AREAS PRIOR TO BIDDING.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
- WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
- PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
- OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.



1 BASEMENT FLOOR - MECHANICAL - TELECOM A05C
1/4" = 1'-0"



2 BASEMENT FLOOR - MECHANICAL - TELECOM 005F
1/4" = 1'-0"



SNOW MELT MANIFOLD

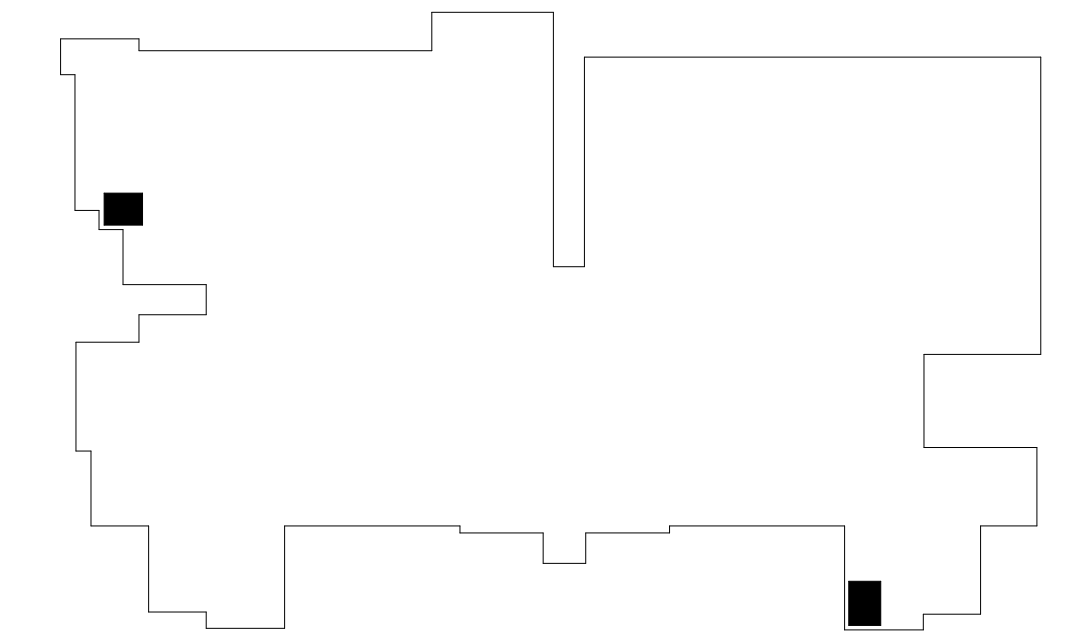


CHEMICAL FEED PIPING



GLYCOL CHILLED WATER PIPING (LOOKING SOUTH)

3 A05C PHOTOS
NO SCALE



KEYPLAN - BASEMENT
NOT TO SCALE

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No	REVISION
	DATE

CONSULTANT

AST SES SPECIALIZED ENGINEERING SOLUTIONS

10360 Illinois Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 | F 763.412.4090 | ae-mn.com Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

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

Name: DOUGLAS
Date: 03/30/2022
License Number: MN# 24706

DRAWING TITLE

BASEMENT REMODEL - MECHANICAL

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022
PROJECT NO: 656-21-235
BUILDING NO: 1
CHECKED BY: RDL
DRAWN BY: JCL
ISSUED BY: 01-M200

VA

U.S. Department of Veterans Affairs

Veterans Health Administration
St. Cloud VA Health Care System

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.

KEYED NOTES 1/01-M201:

- ROUTE NEW REFRIGERANT PIPING FROM CONDENSING UNIT DOWN TO BASEMENT LEVEL CORRIDOR C0-B3 AND TO TELECOM A05C EVAPORATOR UNIT, APPROXIMATELY 70 FEET OF RUN.

KEYED NOTES 2/01-M201:

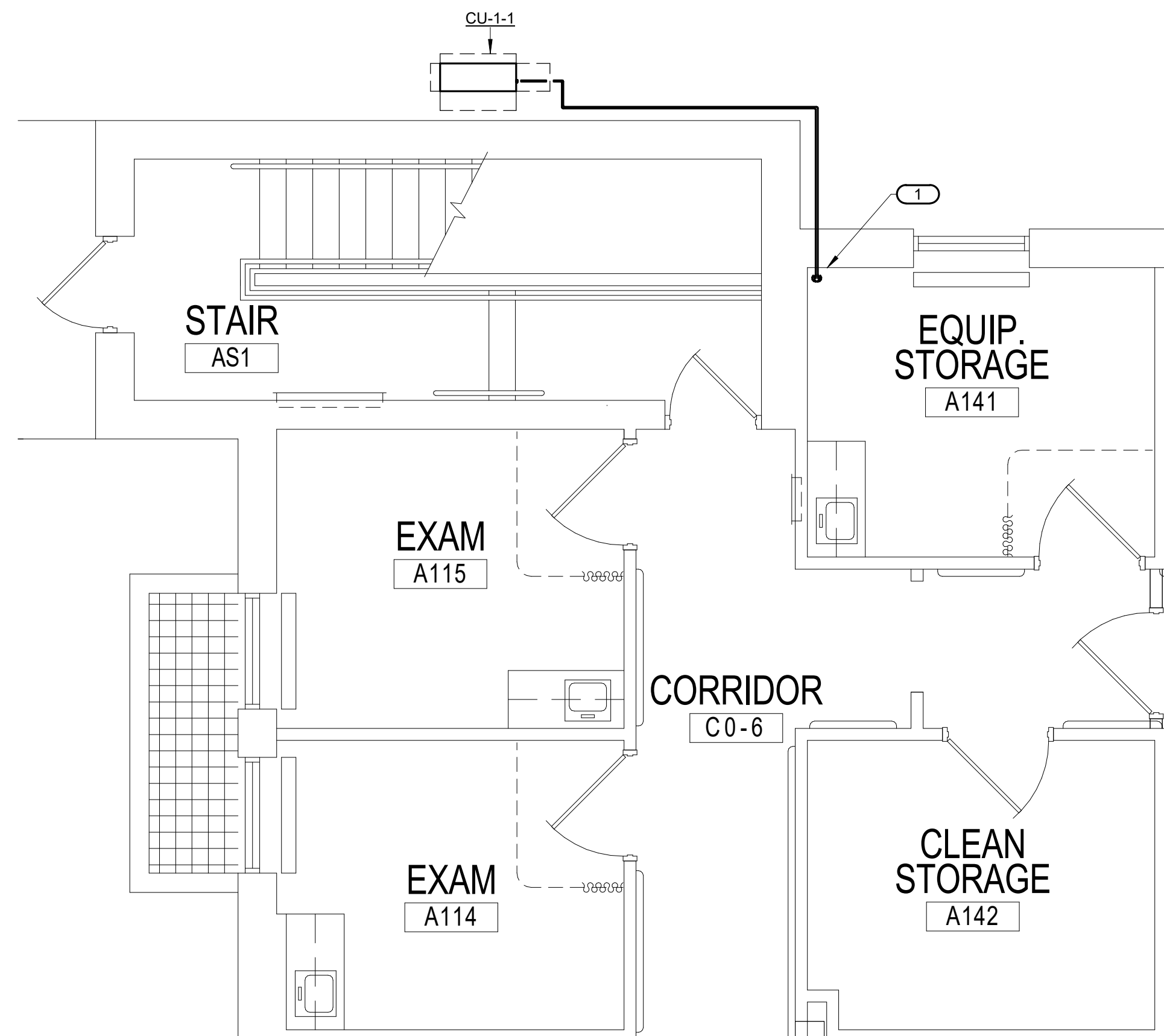
- NEW WALL-MOUNTED DUCTLESS AC UNIT AC-1-4.
- NOT USED
- ROUTE REFRIGERANT PIPING UP TO ROOF, APPROXIMATELY 45 FEET OF RUN. SEE SHEET 01-M204 FOR CONTINUATION.
- NEW THERMOSTAT - WIRE AS COMMON TO BOTH AC UNITS.
- ROUTE NEW CONDENSATE PIPING FOR AC-1-3 TO MOP SINK IN HAC A106 APPROXIMATELY 50 FEET WEST. FIELD COORDINATE EXACT ROUTING.
- PROVIDE CONDENSATE PAN FOR ALL CONDENSATE PIPING IN TR ROOM.

MECHANICAL GENERAL NOTES:

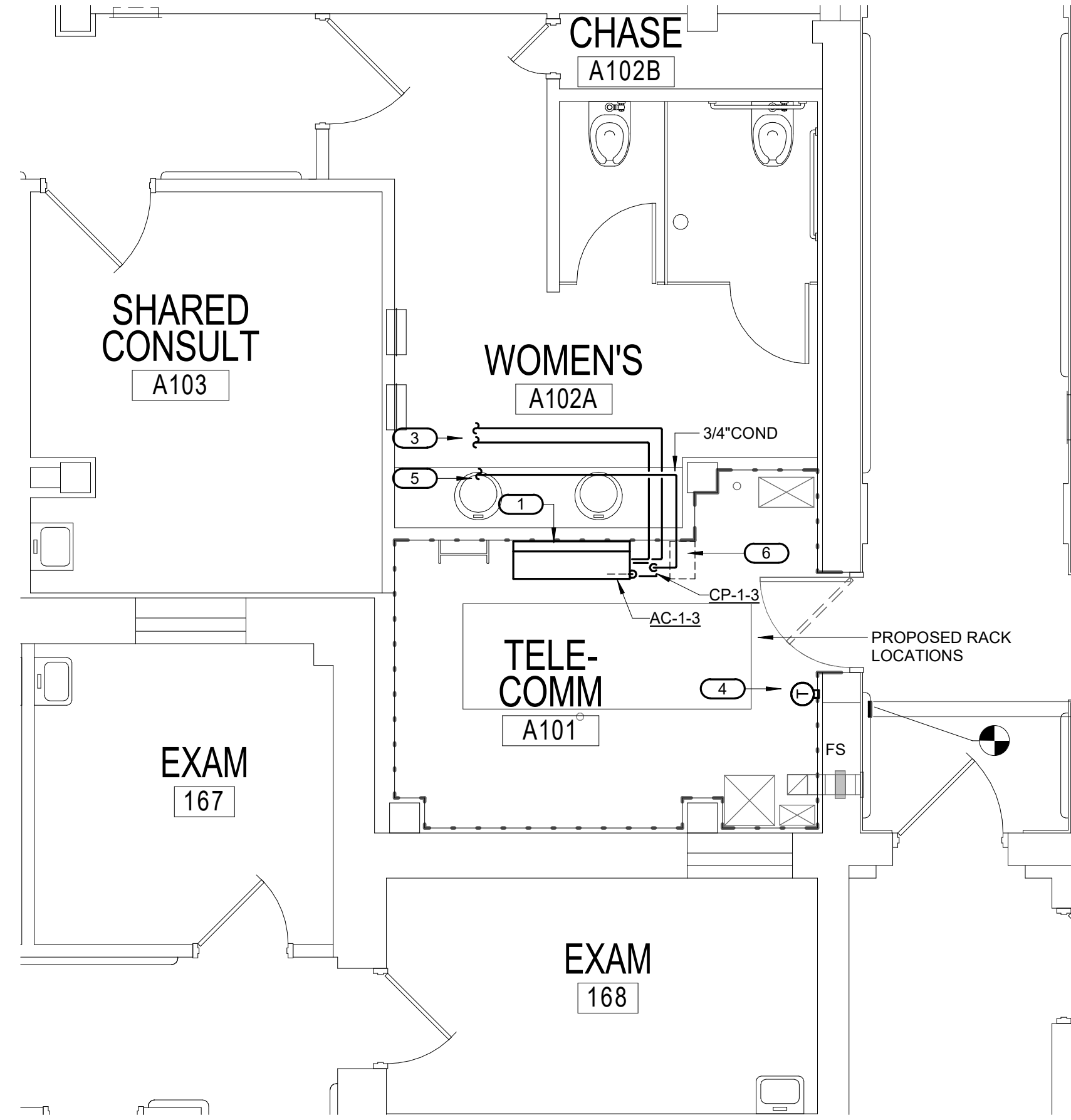
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1 FIRST FLOOR - MECHANICAL - TELECOM A05C - CONDENSING UNITS
1/4" = 1'-0"



2 FIRST FLOOR - MECHANICAL - TELECOM A101
1/4" = 1'-0"

KEYPLAN - FIRST FLOOR
NOT TO SCALE

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100% CD	03/30
REVISION	DATE

CONSULTANT

AST SES SPECIALIZED ENGINEERING SOLUTIONS
10160 Illinois Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 | F 763.412.4090 | ae-mn.com Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP

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

Name: DOUGLAS
Date: 03/30/2022
License Number: MN# 24706

DRAWING TITLE

FIRST FLOOR REMODEL - MECHANICAL

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE 03/30/2022

REVISION 01-M201

BUILDING 1

CHECKED RDL

DRAWN JCL

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

FIELD VERIFICATION NOTES

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KEYED NOTES 1/01-M202:

- RELOCATED EXISTING ROOF MOUNTED ACCU.
- NEW WALL-MOUNTED DUCTLESS COOLING UNIT AC-1-6
- NEW WALL-MOUNTED DUCTLESS COOLING UNIT AC-1-7
- ROUTE REFRIGERANT PIPING UP TO ROOF - SEE SHEET 01-M204 FOR CONTINUATION.
- NEW CABINET UNIT HEATER CUH-2.
- NEW 3/4" HWYR PIPING, ROUTE PIPING APPROXIMATELY 75 FEET NORTH AND CONNECT TO EXISTING HWS AND HWYR MAINS. PROVIDE BRANCH LINE ISOLATION VALVES AND BALANCING VALVES. FIELD VERIFY EXACT LOCATION.
- NEW THERMOSTAT, WIRE AS COMMON TO BOTH AC UNITS AND CUH-2.
- NEW FIRE PROTECTION SPRINKLER HEAD, EXTEND NEW BRANCH LINE OFF EXISTING MAIN. FIELD VERIFY EXACT LOCATION.
- ROUTE NEW CONDENSATE PIPING FOR AC-1-6 AND AC-1-7 TO NEAREST FLOOR DRAIN. FIELD COORDINATE EXACT ROUTING.
- PROVIDE CONDENSATE PAN FOR ALL CONDENSATE PIPING.

MECHANICAL GENERAL NOTES:

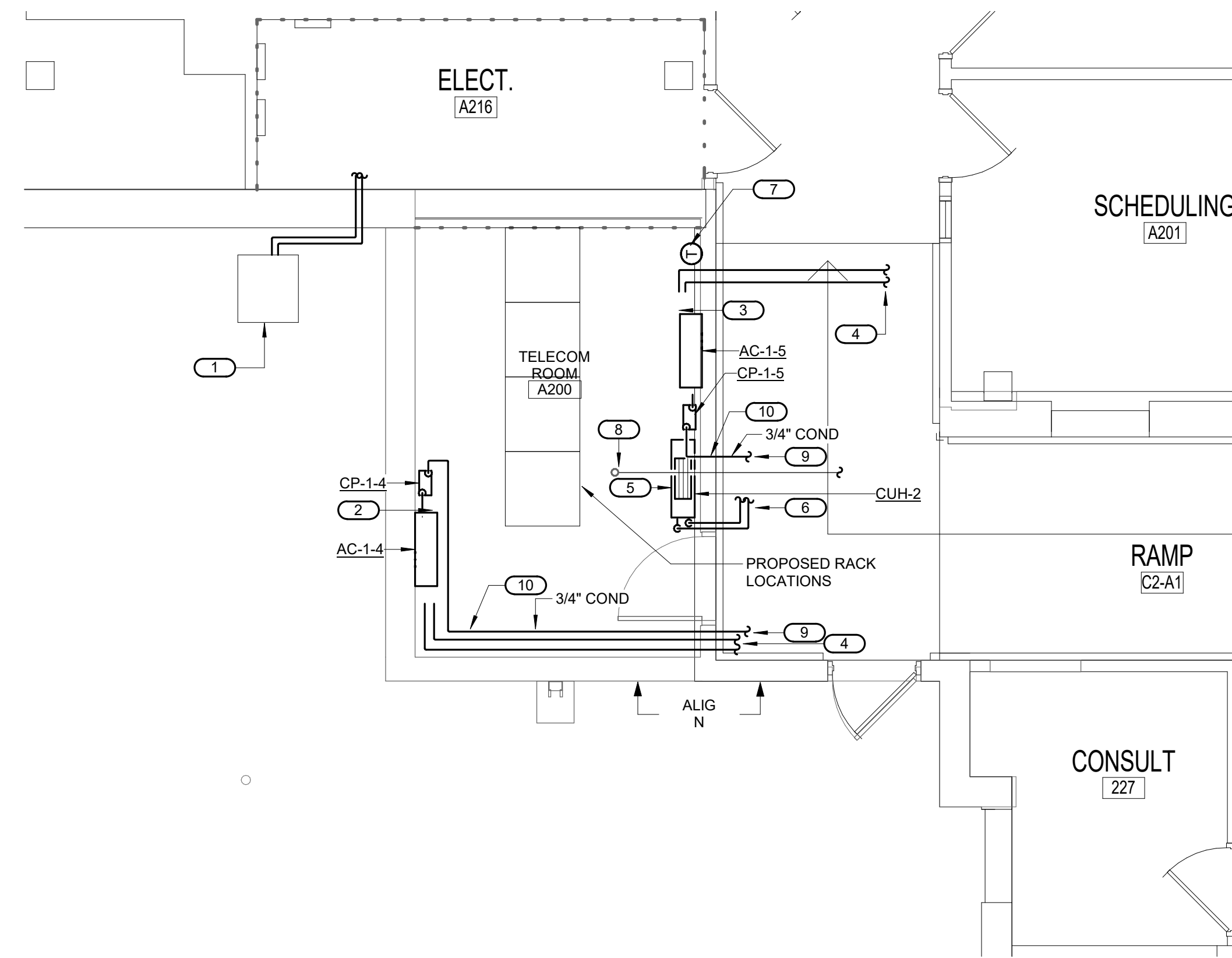
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- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS. FINAL LOCATIONS TO BE ACCURATELY DESCRIBED IN AS-BUILTS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST, TIME OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO CONTRACT DOCUMENTS, TO INCLUDE, BUT TO LIMITED TO, THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIOVISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO THE SATISFACTION OF THE COR TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE COR FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE COR OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
- SEAL ALL FLOOR AND WALL PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. BOTH NEW AND EXISTING. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES, BOTH NEW AND EXISTING. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVE OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN MINIMUM 3'-6" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTERS, SWITCHES, AND DISCONNECTS.
- PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
- DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.
- CONTRACTOR TO COORDINATE SCHEDULE OF ANY NOISE-PRODUCING WORK SCOPE WITH COR NOT LESS THAN 10 DAYS PRIOR TO COMMENCING THIS WORK.
- ALL CARTS, EQUIPMENT, MATERIALS AND TOOLS AS WELL AS ALL TOOL BAGS/BOXES AND LADDERS, ARE TO BE LABELED CLEARLY IDENTIFYING THE CONTRACTOR/SUBCONTRACTOR NAME AND PROJECT.
- STORAGE OF ALL TOOLS, EQUIPMENT, AND MATERIALS IS ONLY AUTHORIZED IN APPROVED LOCATIONS.

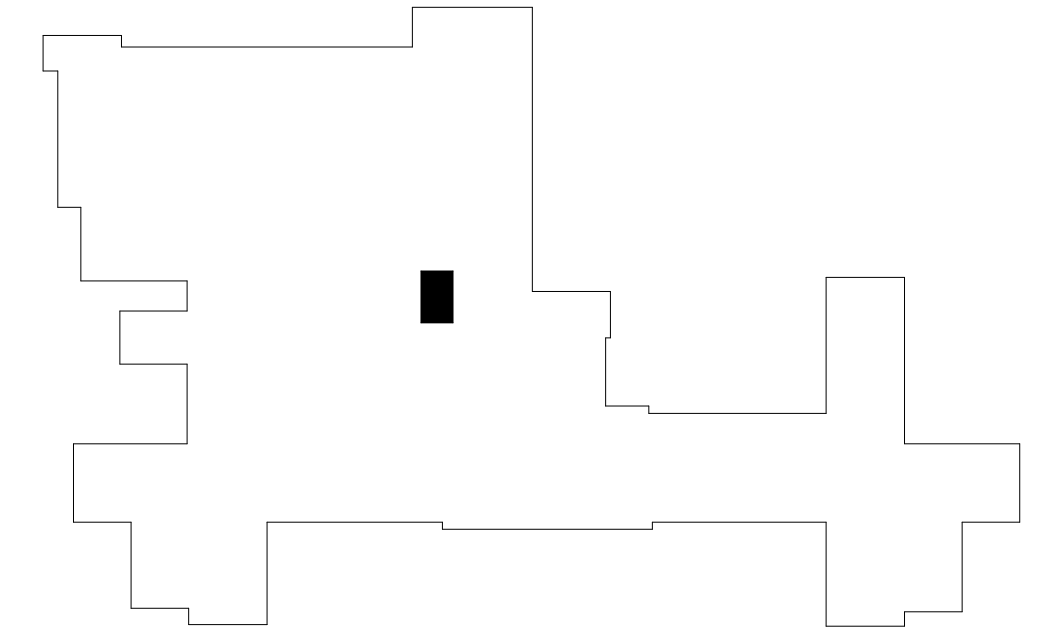
MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY COR AND ENGINEER OF ANY CONFLICTS WITH NEW WORK.
- FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
- EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF HISHER WORK AND SHALL NOTIFY THE GENERAL COR AND ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO HISHER AREA OF WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE COR AND ENGINEER OF AFFECTED AREAS PRIOR TO BIDDING.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
- WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
- PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
- OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.



1 SECOND FLOOR - MECHANICAL - TELECOM A200
1/4" = 1'-0"
0 2' 4' 8'



KEYPLAN - SECOND FLOOR
NOT TO SCALE

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No.	REVISION	DATE

CONSULTANT

EST SES SPECIALIZED ENGINEERING SOLUTIONS

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STAMP

DOUGLAS

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: MN# 24706

DRAWING TITLE

SECOND FLOOR REMODEL - MECHANICAL

PROJECT FILE

EHRM INFRASTRUCTURE UPGRADES

DATE: 03/30/2022

PROJECT NO: 656-21-235

BUILDING NO: 1

CHECKED BY: RDL

DRAWN BY: JCL

DRAWING NO: 01-M202

LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303

FULLY SPRINKLERED

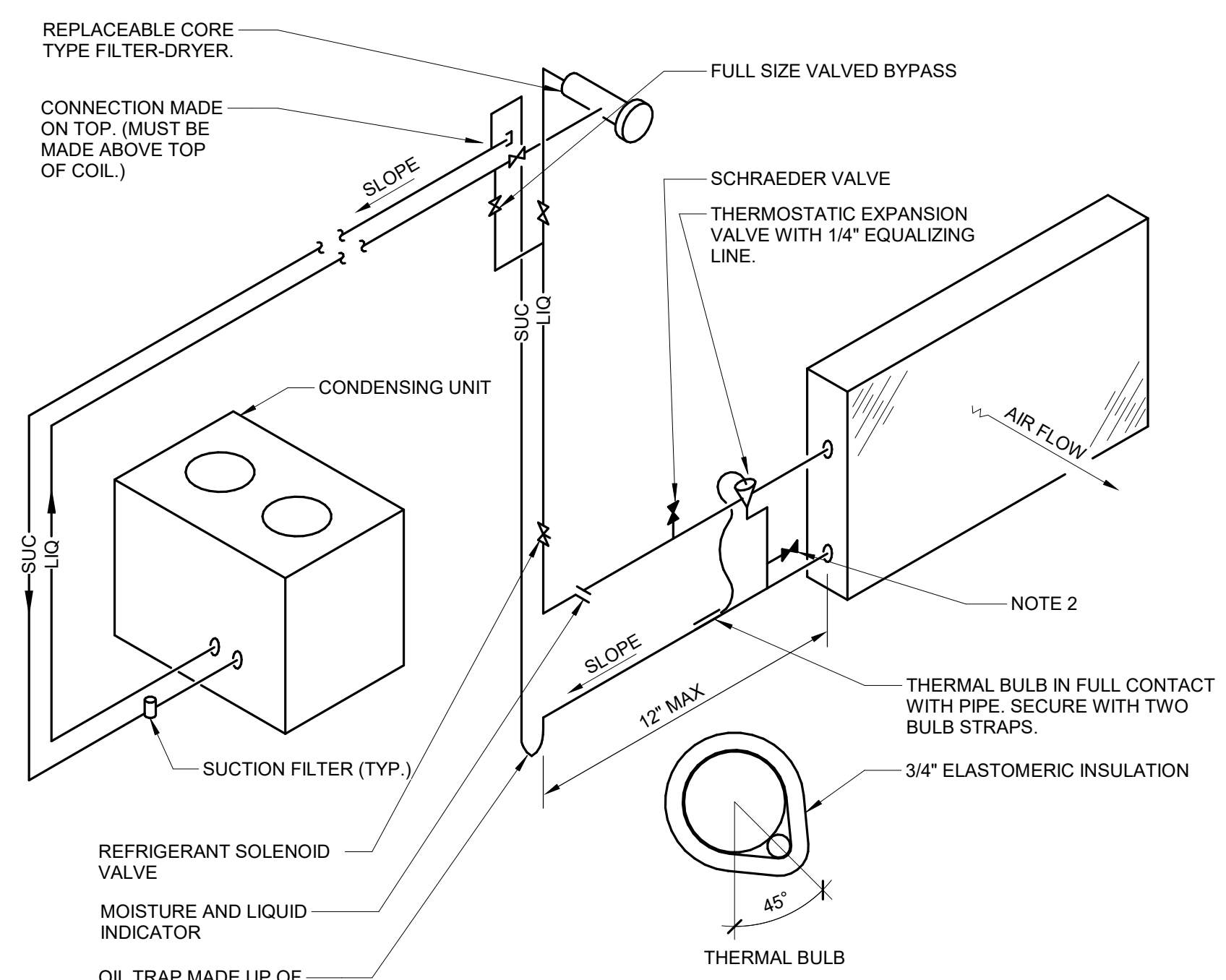
DWG. OF

VA

U.S. Department of Veterans Affairs

Veterans Health Administration

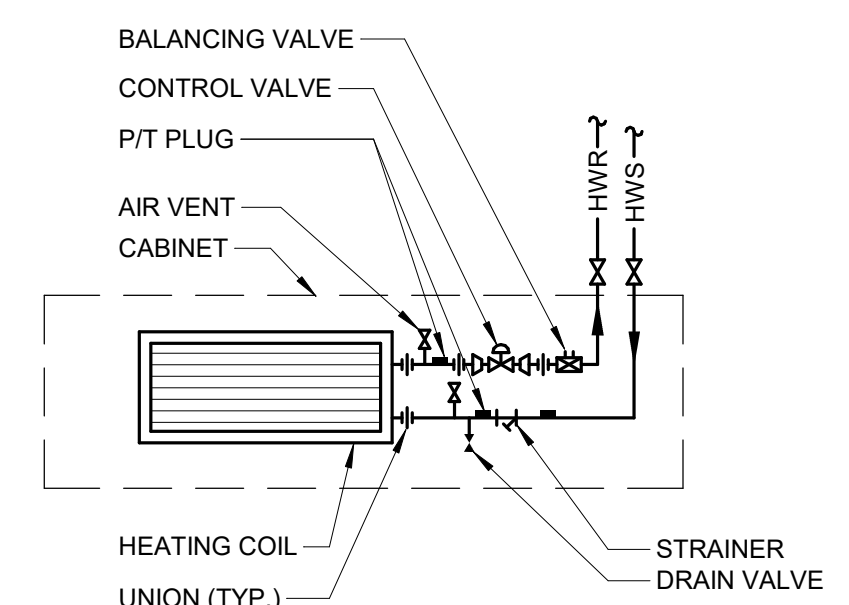
St. Cloud VA Health Care System



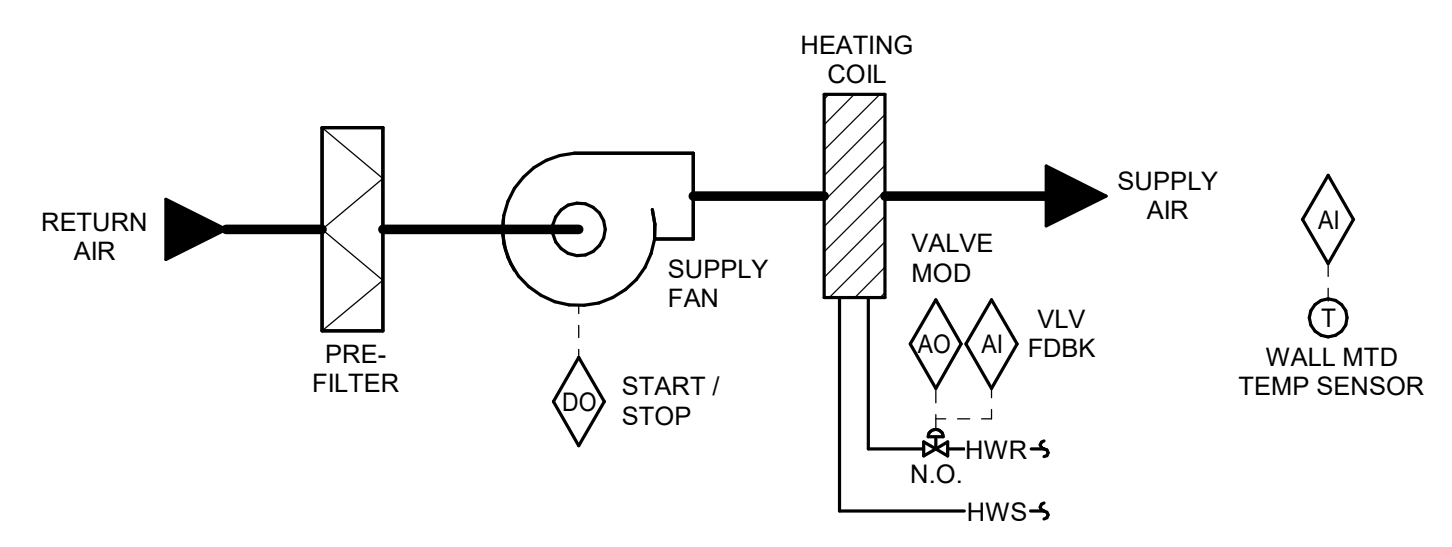
REFRIGERANT SYSTEM DATA	
NUMBER OF COMPRESSORS:	-
TONNAGE OF SYSTEM:	-
REFRIGERANT TYPE:	-
REFRIGERANT CHARGE:	-#
CONDENSING UNIT LOCATION:	-
SUCTION LINE SIZE:	-
LIQUID LINE SIZE:	-
SAFETY VALVE LOCATION:	-
SAFETY VALVE SIZE:	-
VENT LINE TERMINATION LOCATION:	-
VENT LINE TERMINATION SIZE:	-

NOTES:
 1. THIS DIAGRAM IS SCHEMATIC IN NATURE. UNIT MANUFACTURER SHALL SUBMIT DETAILED PIPING DIAGRAM SHOWING RECOMMENDED PIPING ARRANGEMENT IF DIFFERENT FROM ABOVE.
 2. INSTALL 1/4" SCHRAEDER VALVE TO MEASURE REFRIGERANT PRESSURE WITH REFRIGERANT GAUGES.
 3. PIPE SIZES, IF SHOWN ON DRAWINGS, ARE ONLY FOR THE CONVENIENCE OF THE BIDDERS. ACTUAL NUMBERS AND SIZES OF PIPES AND ANY ACCESSORIES SUCH AS ACCUMULATORS, RECEIVERS, SEPARATORS AND HEAT TRACING SHALL BE DETERMINED BY THE COIL SUPPLIER AND SUBMITTED AS SHOP DRAWINGS. NO COMPENSATION WILL BE MADE IF ACTUAL NUMBER OR SIZES OF PIPES EXCEED WHAT IS SHOWN.

1 REFRIGERANT PIPING DETAIL (SINGLE)
NO SCALE

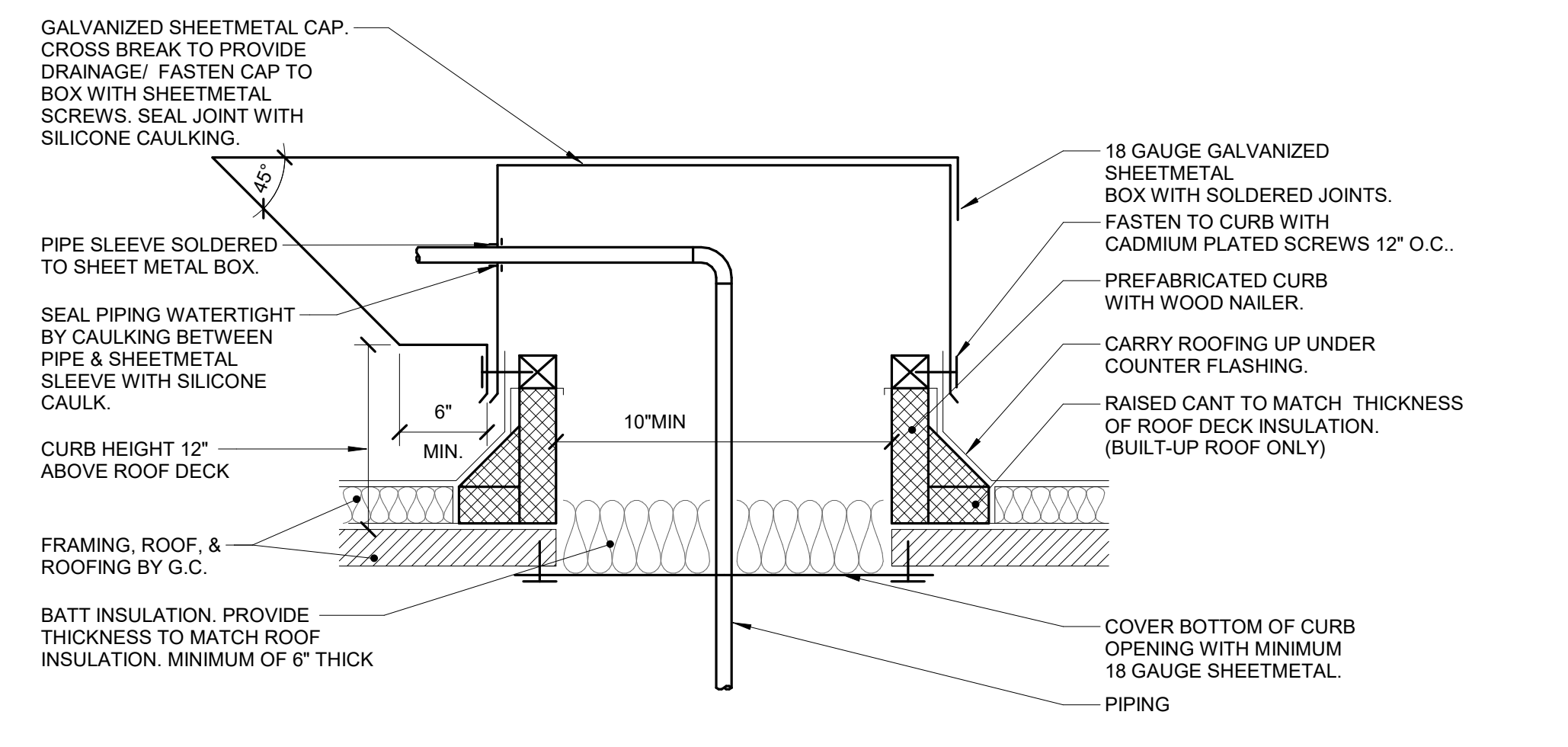


4 CABINET HEATER PIPING SCHEMATIC
NO SCALE

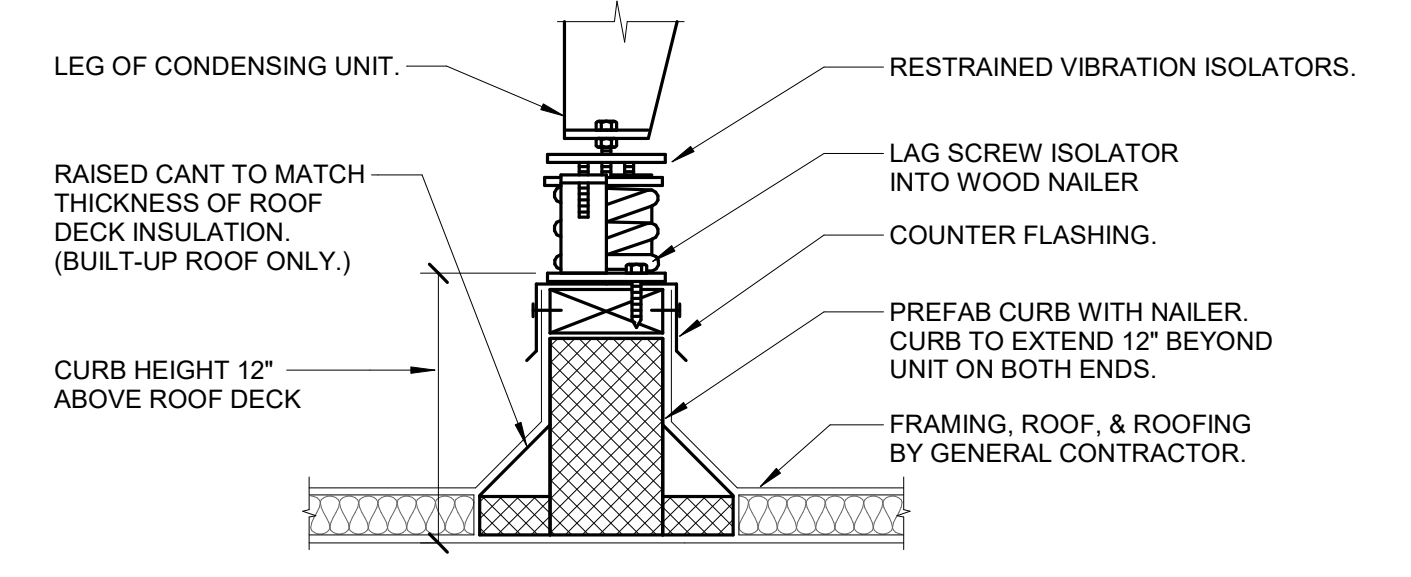


SEQUENCE OF OPERATION:
 THE CABINET HEATER SHALL BE FURNISHED WITH A UNIT MOUNTED FAN SPEED SELECTOR SWITCH (OFF-HIGH-MED-LOW). THE UNIT SHALL MAINTAIN A SPACE TEMPERATURE OF NO MORE THAN 60°F.
 WHEN THE OUTDOOR AIR TEMPERATURE IS ABOVE 45°F, THE CONTROL VALVE SHALL BE CLOSED AND THE FAN SHALL STOP.
 WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW 45°F, THE FMCS SHALL MODULATE THE CONTROL VALVE TO MAINTAIN SETPOINT AND THE FAN SHALL RUN CONTINUOUSLY.
ALARMS, INTERLOCKS & SAFETIES:
 • SEND AN ALARM TO THE FMCS OPERATOR INTERFACE IF SPACE TEMPERATURE FALLS 10°F (ADJ.) BELOW SETPOINT.

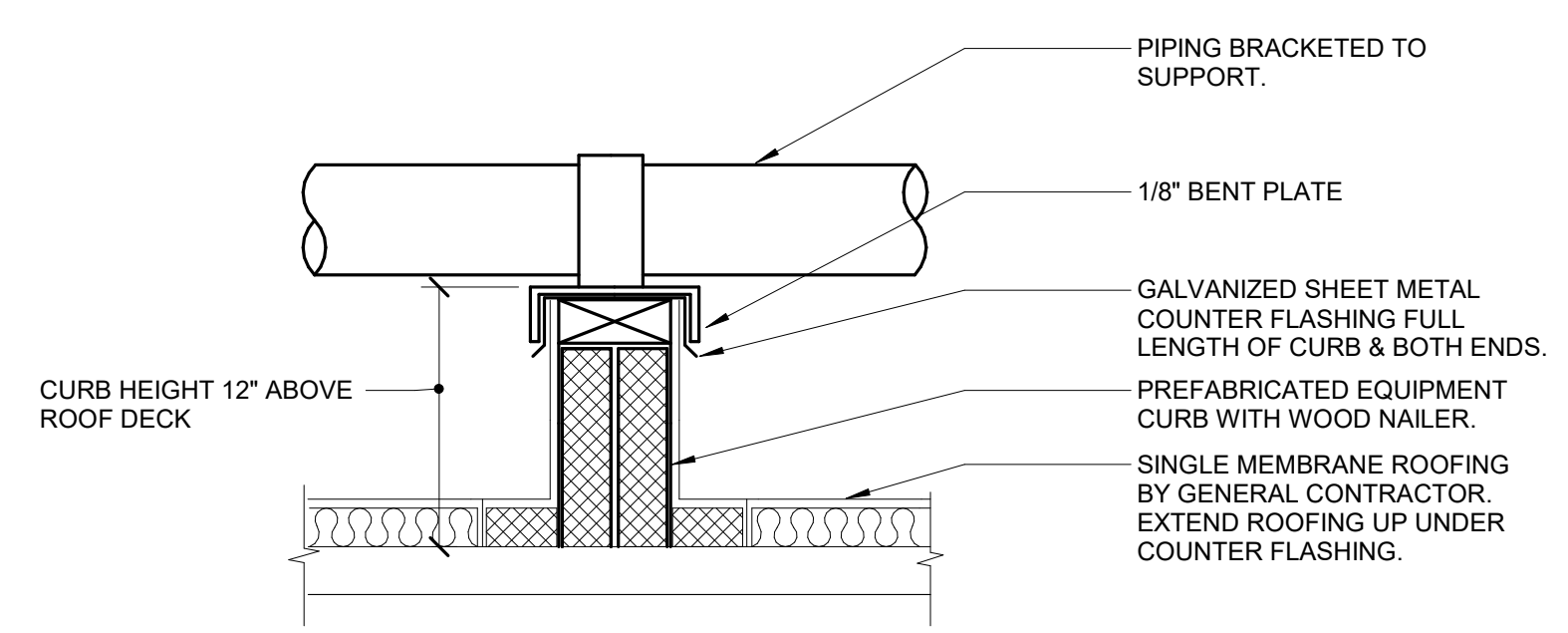
7 CABINET HEATER CONTROL - HYDRONIC
1/2" = 1'-0"



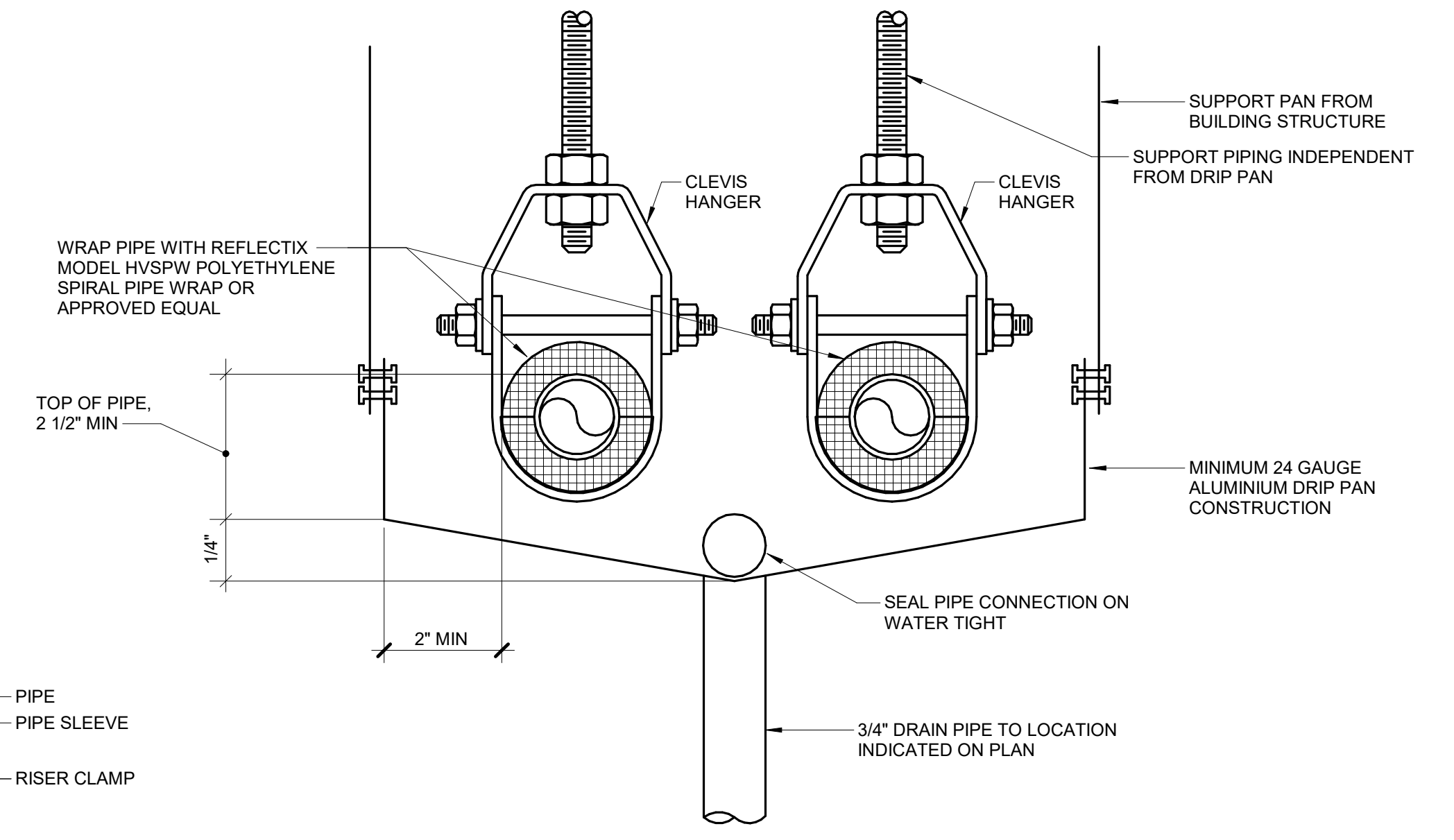
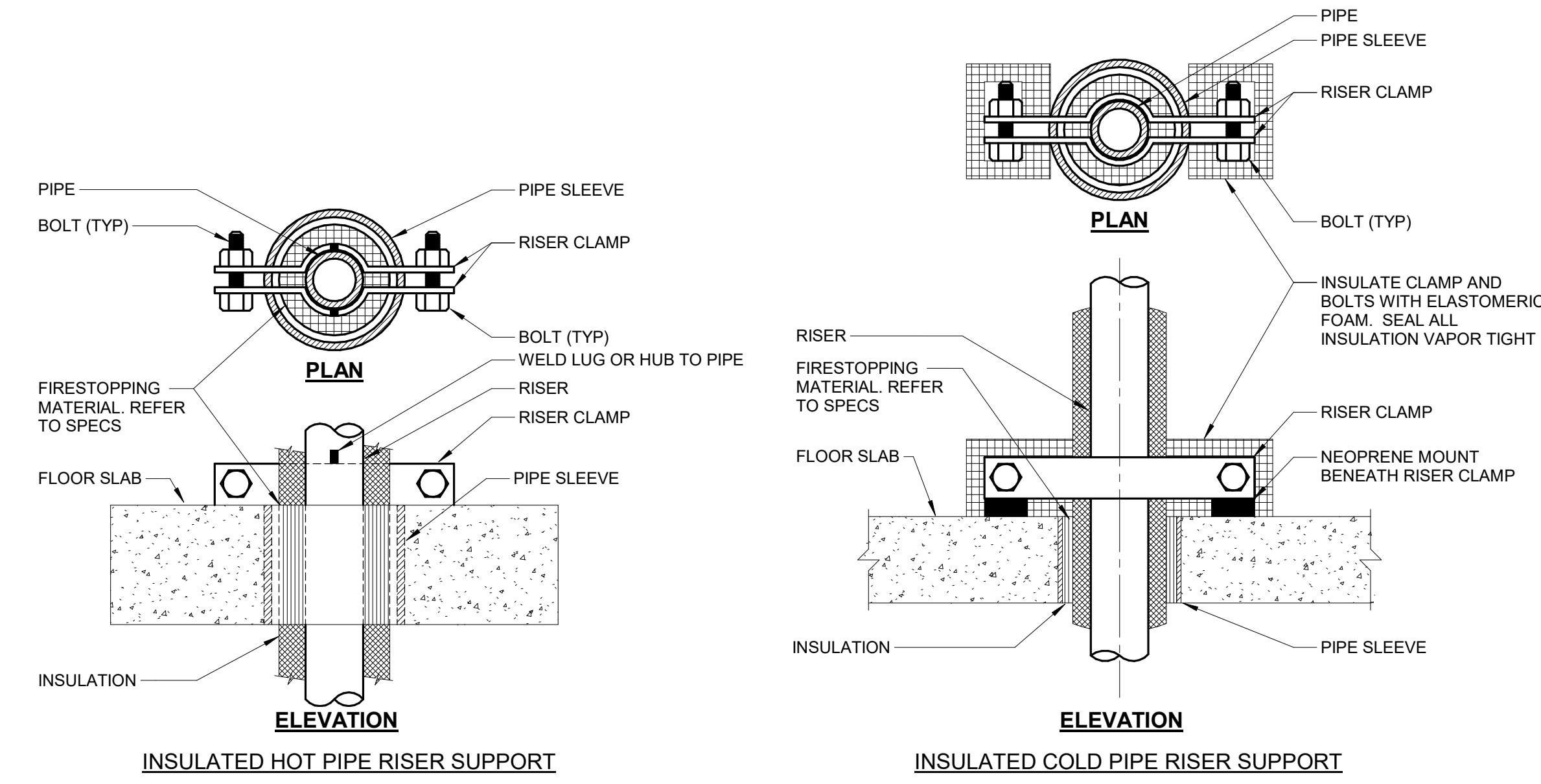
2 REFRIGERANT PIPING WEATHERPROOFING (BUILT-UP ROOF)
NO SCALE



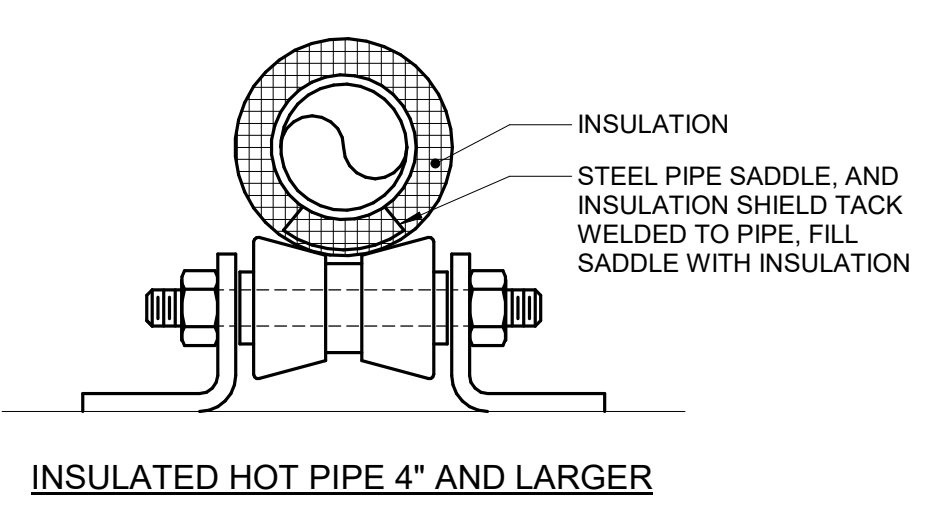
3 CONDENSING UNIT SUPPORT (BUILT-UP ROOF)
NO SCALE



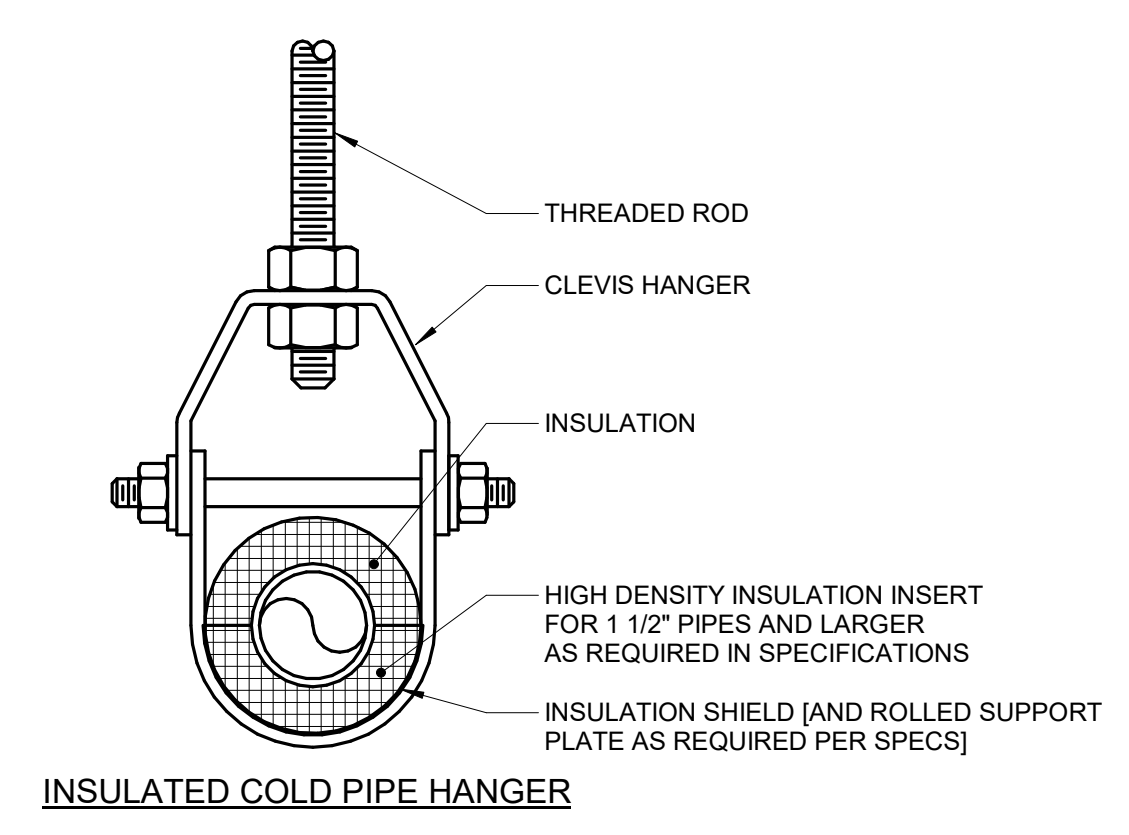
5 ROOF PIPE SUPPORT DETAIL
NO SCALE



6 PIPE DRIP PAN CONNECTION
NO SCALE



INSULATED HOT PIPE 4" AND LARGER



INSULATED COLD PIPE HANGER

NOTES:
 1. REFER TO SPECIFICATION SECTIONS (SECTION 22 05 29-PLUMBING, SECTION 23 05 29-HVAC) & (SECTION 22 07 19-PLUMBING, SECTION 23 07 19-HVAC).

8 PIPE - HANGERS AND SUPPORTS
NO SCALE

SHEET NOTES:
 THESE DETAILS AND DIAGRAMS APPLY TO ALL BUILDINGS, ALL PROJECT SHEETS

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No	REVISION
	DATE

CONSULTANT
AST SES SPECIALIZED ENGINEERING SOLUTIONS
 10360 Illinois Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com

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ANDERSON
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STAMP
 I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Engineer under the laws of the State of Minnesota.
 Name: DOUGLAS
 Date: 03/30/2022
 License Number: MN# 24706

DRAWING TITLE
 MECHANICAL DETAILS AND DIAGRAMS

PROJECT FILE
 EHRM INFRASTRUCTURE UPGRADES

DATE
 03/30/2022

PLANT NO.
 656-21-235

BUILDING NO.
 1

CHECKED BY
 RDL

DRAWN BY
 JCL

DRAWING NO.
 01-M400

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

SPLIT SYSTEM UNIT SCHEDULE

NOTES: 1.

Table with columns: TAG NAME, AREA SERVED, CFM, MCA, MOCP AMPS, VOLTAGE, PHASE, COOLING MBH, MAX. DIMENSIONS (LENGTH, WIDTH, HEIGHT), WEIGHT, MODEL, SEER, MCA, MOCP, VOLTAGE, PHASES, HEIGHT, LENGTH, WIDTH, WEIGHT, MODEL, DISCONNECT (BY, TYPE), CONTROLLER/STARTER (BY, SCCR (A)), MANUFACTURER, NOTES.

CABINET HEATER SCHEDULE - HOT WATER

NOTES: 1. COORDINATE COLOR SELECTION WITH ARCHITECT.

Table with columns: TAG NAME, AREA SERVED, CONFIGURATION, NOMINAL CFM, MBH, GPM, EWT 'F, LWT 'F, MAX W.P.D. FT. HD, CONTROL TYPE, CABINET (NOTE 1) (HEIGHT, WIDTH, DEPTH), FAN POWER (WATTS), RPM, VOLTAGE, PHASES, ELECTRICAL (DISCONNECT BY, TYPE), CONTROLLER/STARTER (BY, SCCR (AMPS)), WEIGHT (DRY, OPERATING), MANUFACTURER, MODEL, NOTES.

CONDENSATE PUMP SCHEDULE

NOTES: 1. PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION — [15170] [22 05 13] [23 05 13].

Table with columns: TAG NAME, AREA SERVED / UNIT SERVED, GPH, PUMP FT. HEAD AT DESIGN, INLET SIZE, HP (NOTE E), VOLTAGE, PHASES, ELECTRICAL (DISCONNECT BY (NOTE A), TYPE (NOTE B)), CONTROLLER/STARTER (BY (NOTE A), TYPE (NOTE C)), MAX. DIMENSIONS (LENGTH (IN), WIDTH (IN), HEIGHT (IN)), WEIGHT (LB), MANUFACTURER, MODEL, NOTES.

SHEET NOTES: THESE SCHEDULES APPLY TO ALL BUILDINGS, ALL PROJECT SHEETS

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Table with columns: No, REVISION, DATE

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ARCHITECT/ENGINEER OF RECORD: ANDERSON. 13605 1st Ave. N. #100 Plymouth, MN 55441. P 763.412.4000 | F 763.412.4090 | ae-mn.com Anderson Engineering of Minnesota, LLC | Proj # 16305

STAMP: I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Engineer under the laws of the State of Minnesota. Date: 03/30/2022 License Number: MN# 24706

Mechanical Schedules

DATE: 03/30/2022. EHRM INFRASTRUCTURE UPGRADES. BUILDING No: 1. CHECKED BY: RDL. DRAWN BY: JCL. SHEET NO: 01-M600

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