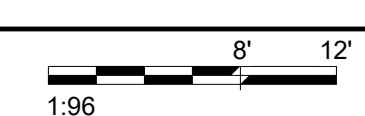


**KEYPLAN**

1 THIRD LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 5 - AREA A  
1/8" = 1'-0"



INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.  
INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER.

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Revisions:	Date:

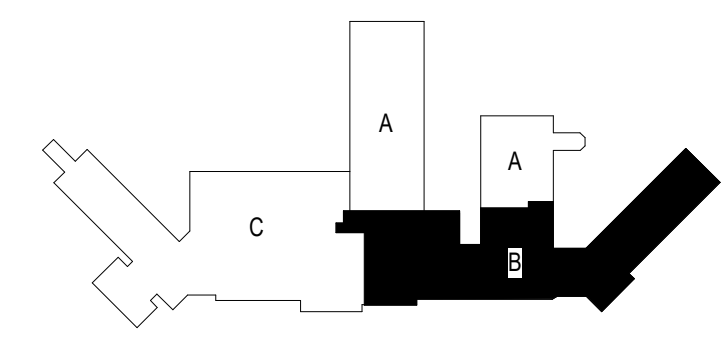
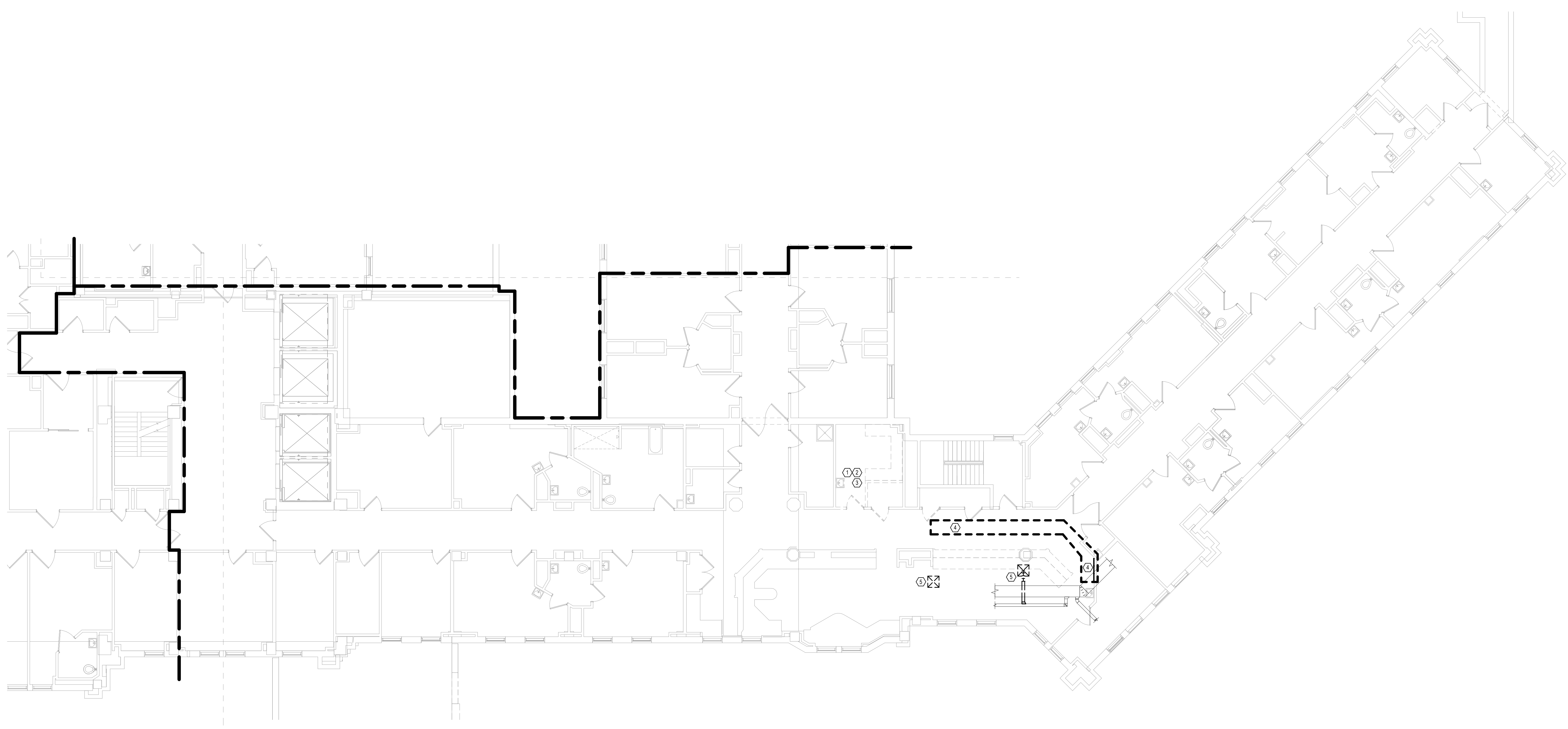
<b>CONSULTANT</b> 	<b>ARCHITECT/ENGINEER OF RECORD</b>  10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com	<b>STAMP</b>  13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   ae-mn.com Anderson Engineering of Minnesota, LLC   Proj # 16090	Office of Construction and Facilities Management 	Drawing Title <b>THIRD LEVEL LOW VOLTAGE PLAN - BUILDING 5 - AREA A</b>	Phase <b>BID DOCUMENTS</b>	Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b>	Project Number <b>438-20-910</b>
				Approved:	Fully Sprinklered <b>FULLY SPRINKLERED</b>	Location Sioux Falls, SD	Building Number <b>5</b>
Issue Date 07/06/2021		Checked KSB	Drawn NMT	Drawing Number <b>TN131-05-A</b>			

**GENERAL NOTES:**

1. COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
4. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

**SHEET NOTES:**

1. DEMOLISH LAVATORY AND ASSOCIATED PLUMBING CONNECTIONS BACK TO MAINS AND CAP.
2. DEMOLISH RETURN AIR GRILLE SERVING THIS ROOM AND ASSOCIATED DUCTWORK BACK TO MAIN AND CAP. DEMOLISH SUPPLY DIFFUSER AND ASSOCIATED BRANCH DUCTWORK AND CAP.
3. DEMOLISH RADIANT PANELS AND ASSOCIATED PIPING BACK TO HEATING WATER MAINS AND CAP.
4. DEMOLISH (3) MEDICAL GAS AREA ALARM PANELS AND ASSOCIATED PIPING BACK TO EXTENTS INDICATED. PREPARE PIPING FOR CONNECTION TO NEW ALARM PANEL.
5. DEMOLISH SUPPLY AIR DIFFUSER AND ASSOCIATED DUCTWORK AND CAP.



1 THIRD LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"



**KEYPLAN**

BIM 360/202535.DOC - VA Sioux Falls EHRM/202535.DOC - VA Sioux Falls EHRM/202535.DOC - VA Sioux Falls EHRM/202535.DOC - VA Sioux Falls EHRM/202535.DOC  
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 2018.rvt

Revisions:	Date:


**CONSULTANT**




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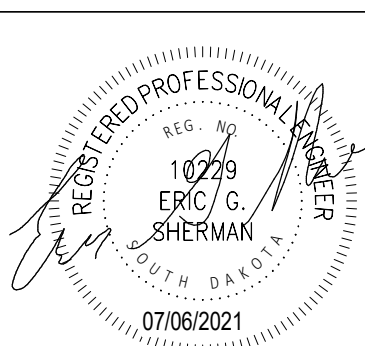
10360 Ellison Circle  
Omaha, NE 68134  
Phone: 402.991.5520  
www.specializedeng.com

**ARCHITECT/ENGINEER OF RECORD**



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**Office of Construction and Facilities Management**



Drawing Title  
**THIRD LEVEL MECHANICAL DEMOLITION PLAN - BUILDING 5 - AREA B**

Approved: \_\_\_\_\_

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
EGS

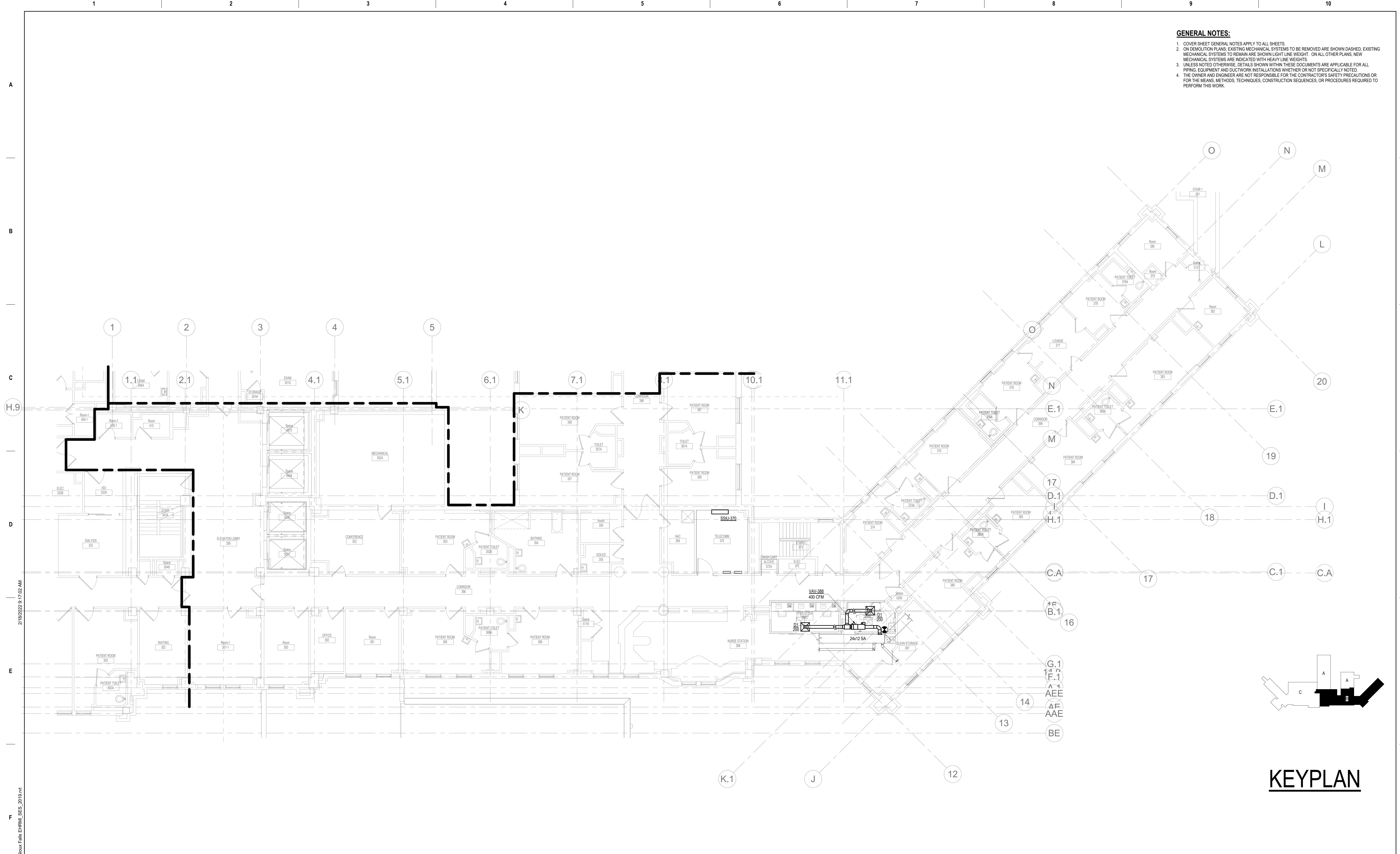
Drawn  
PHV

Project Number  
438-20-910

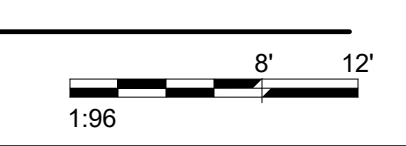
Building Number  
5

Drawing Number  
MD131-05-B

- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
  - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
  - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
  - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.



**1** THIRD LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"




Revisions:	Date:

**CONSULTANT**



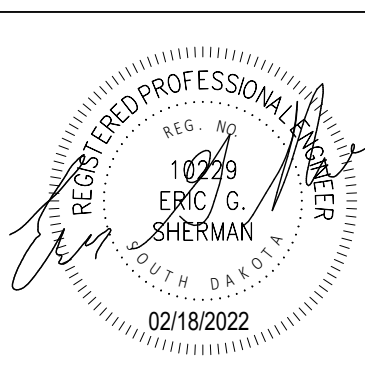

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**Office of Construction and Facilities Management**



Drawing Title  
**THIRD LEVEL DUCTWORK PLAN - BUILDING 5 - AREA B**

Approved:

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
02/18/2022

Checked  
EGS

Drawn  
PHV

Project Number  
438-20-910

Building Number  
5

Drawing Number  
MH131-05-B

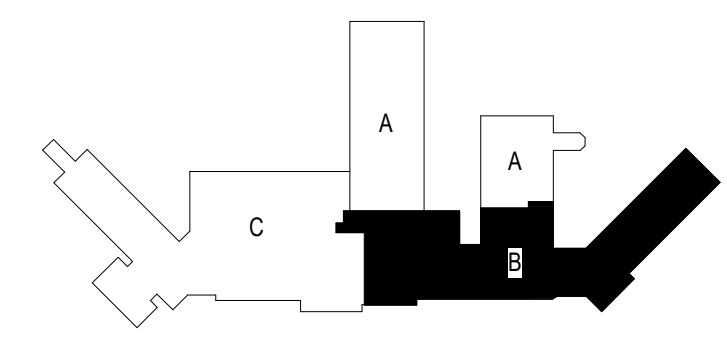
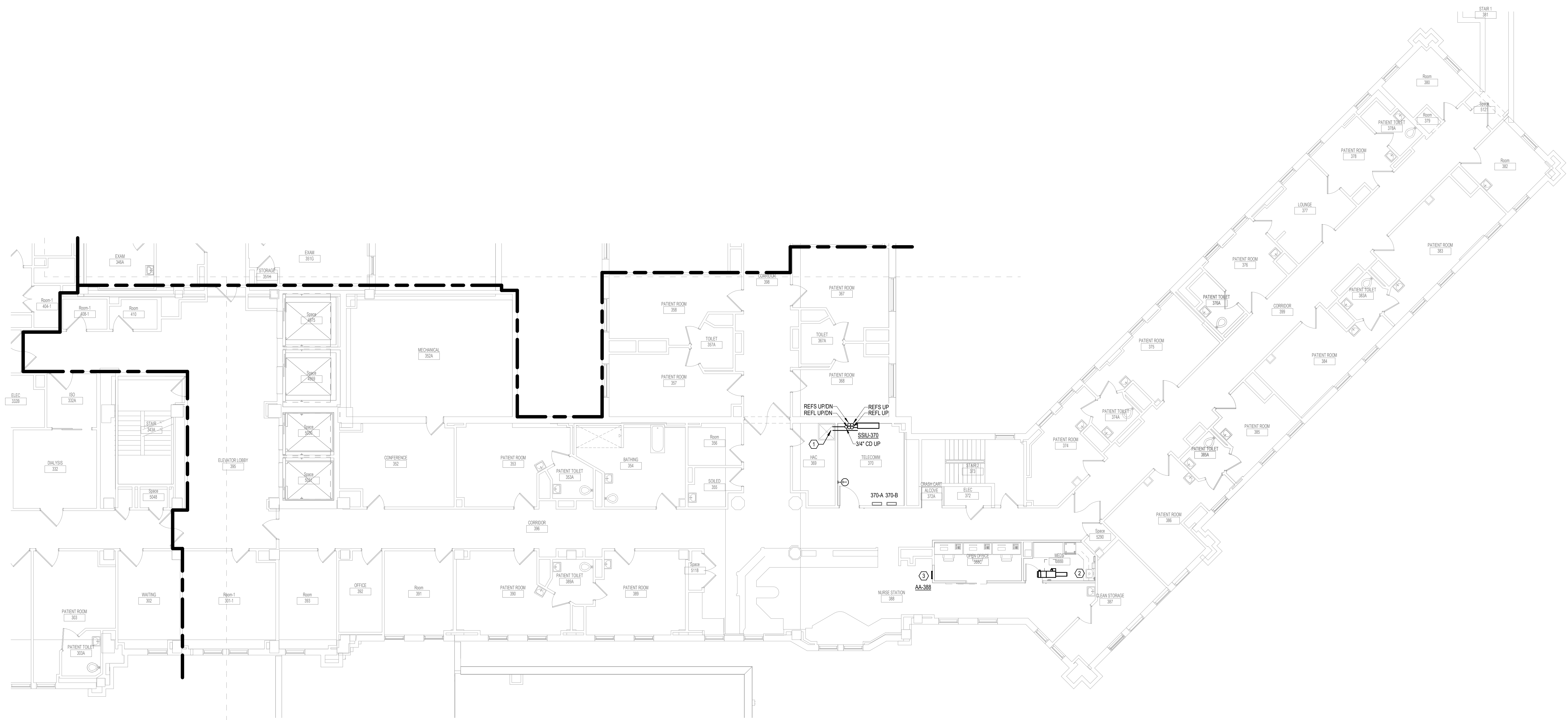
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GENERAL NOTES:

- 1. COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
- 2. ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
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- 4. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

SHEET NOTES:

- 1. ROUTE CONDENSATE TO MOP SINK.
- 2. CONNECT PLUMBING TO NEW SINK FROM ADJACENT LAVATORY.
- 3. PROVIDE NEW MEDICAL GAS ALARM PANEL TO REPLACE EXISTING AREA ALARMS. ALTER REMOTE SENSOR TUBING AS NEEDED.



KEYPLAN

1 THIRD LEVEL PIPING FLOOR PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"

1:96  
0' 6" 12"

Revisions:	Date:

CONSULTANT

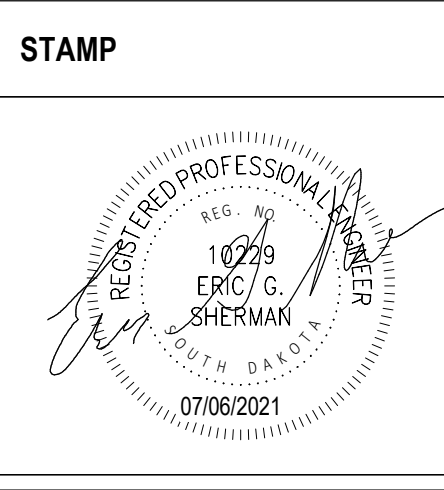


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Office of Construction and Facilities Management

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

Drawing Title  
**THIRD LEVEL PIPING FLOOR PLAN - BUILDING 5 - AREA B**

Approved:

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
 Sioux Falls, SD

Issue Date  
 07/06/2021

Checked  
 EGS

Drawn  
 PHV

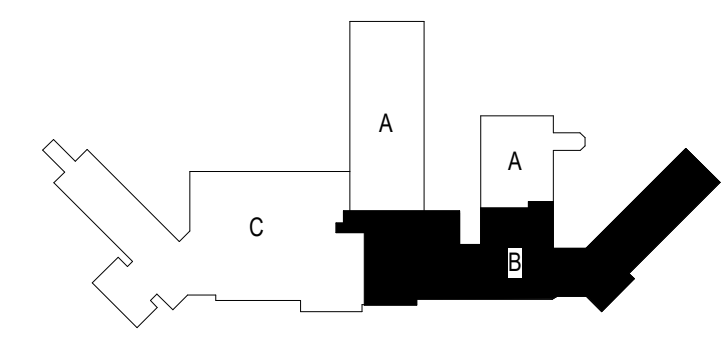
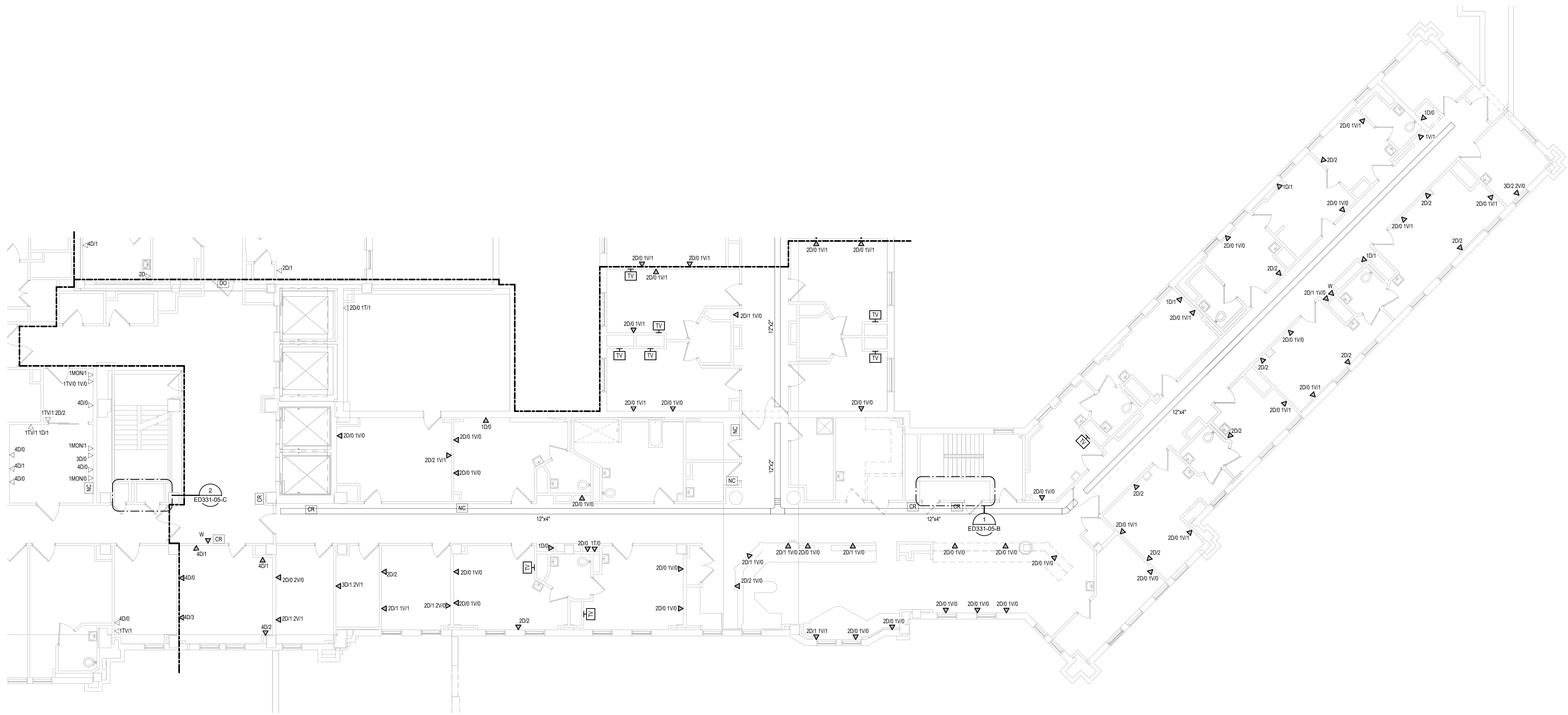
Project Number  
 438-20-910

Building Number  
 5

Drawing Number  
 MP131-05-B

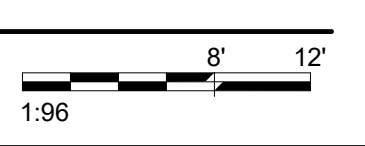
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### KEYPLAN

**1** THIRD LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA B  
 1/8" = 1'-0"



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**Bicsi**  
Nathan Timm  
BICSI ID # 346555  
EXPIRES 12-31-23  
REGISTERED COMMUNICATIONS DISTRIBUTION

Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title  
**THIRD LEVEL ELECTRICAL DEMOLITION PLAN - BUILDING 5 - AREA B**

Approved:

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

Drawn  
NMT

Project Number  
438-20-910

Building Number  
5

Drawing Number  
**ED131-05-B**

**CABLING NOTES:**

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

1. ROOM 372

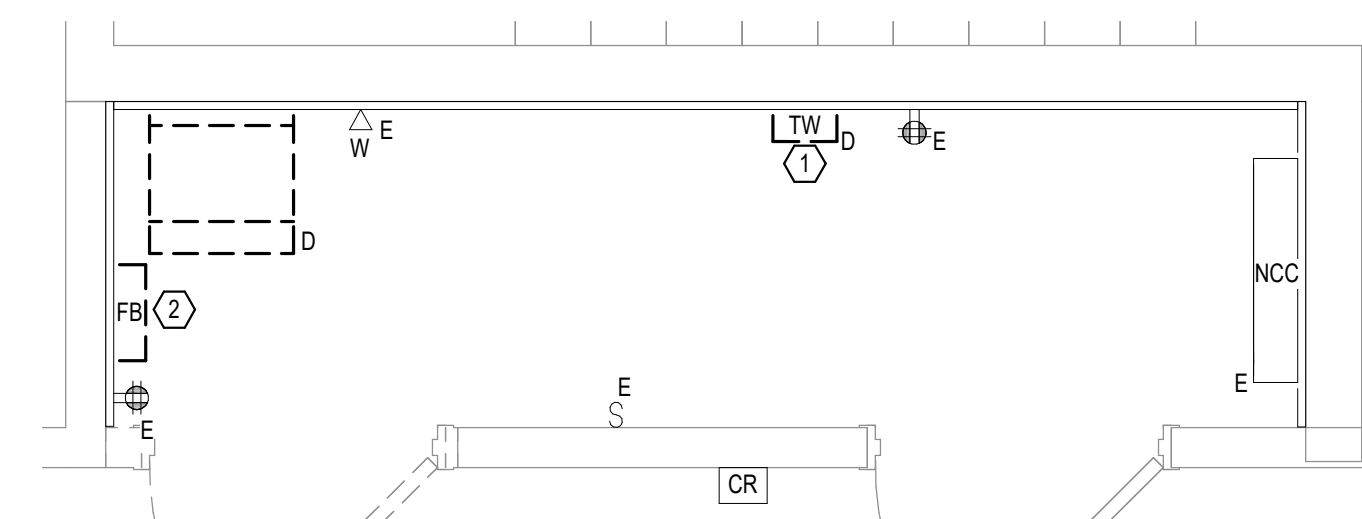
EXISTING CABLE COUNT  
DATA (CAT5): 20  
DATA (CAT5): 82  
VIDEO: 0  
PATIENT MONITORING: 0  
COMMERCIAL WIRELESS: 0

CABLE RELOCATION COUNT  
DATA (CAT5) - 20 TO ROOM 370  
DATA (CAT5) - 82 TO ROOM 370  
VIDEO: 0  
PATIENT MONITORING: 0  
COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT  
DATA (CAT5): 0  
VIDEO: 0  
PATIENT MONITORING: 0  
COMMERCIAL WIRELESS: 0

**SHEET NOTES:**

1. EXISTING TELEPHONE WALL FIELD TO BE DEMOLISHED. NEW COPPER BACKBONE TO BE PROVIDED ON PATCH PANELS IN TELECOMMUNICATIONS RACK. REFER TO CABLING NOTES AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.
2. EXISTING FIBER ENCLOSURE TO BE DEMOLISHED. NEW FIBER BACKBONE TO BE TERMINATED IN NEW TELECOMMUNICATIONS RACK. REFER TO CABLING NOTES AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.



**1** THIRD LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA B - ROOM 372  
1/2" = 1'-0"  
1:24

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Revisions:	Date:

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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title

**THIRD LEVEL ELECTRICAL DEMOLITION - BUILDING 5 - ENLARGED ROOMS - AREA B**

Approved:

Phase

**BID DOCUMENTS**

---

**FULLY SPRINKLERED**

Project Title

**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location: **Sioux Falls, SD**

Issue Date: **07/06/2021**

Checked: **KSB**

Drawn: **NMT**

Project Number

**438-20-910**

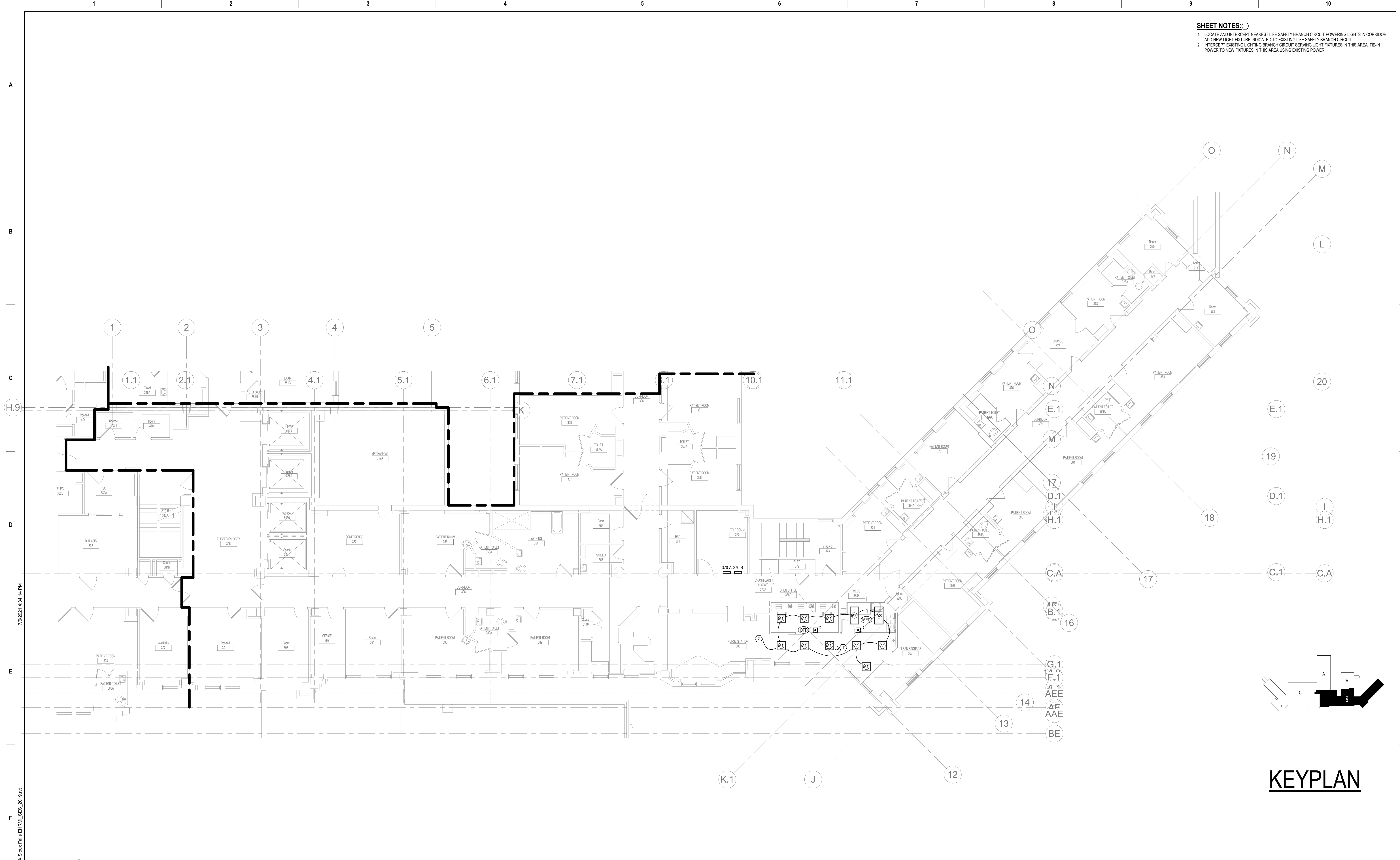
Building Number

**5**

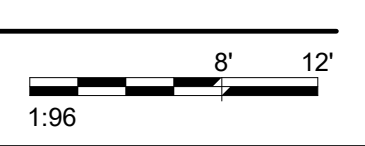
Drawing Number

**ED331-05-B**

- SHEET NOTES:**
- LOCATE AND INTERCEPT NEAREST LIFE SAFETY BRANCH CIRCUIT POWERING LIGHTS IN CORRIDOR. ADD NEW LIGHT FIXTURE INDICATED TO EXISTING LIFE SAFETY BRANCH CIRCUIT.
  - INTERCEPT EXISTING LIGHTING BRANCH CIRCUIT SERVING LIGHT FIXTURES IN THIS AREA. TIE-IN POWER TO NEW FIXTURES IN THIS AREA USING EXISTING POWER.



**1** THIRD LEVEL LIGHTING PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"




Revisions:	Date:

**CONSULTANT**



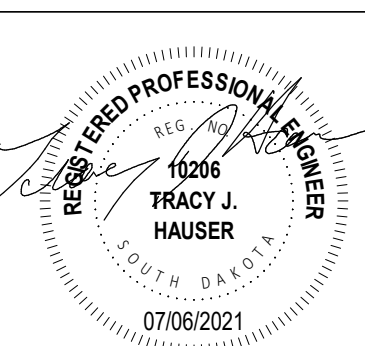

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**Office of Construction and Facilities Management**



Drawing Title  
**THIRD LEVEL LIGHTING PLAN - BUILDING 5 - AREA B**

Approved: \_\_\_\_\_

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

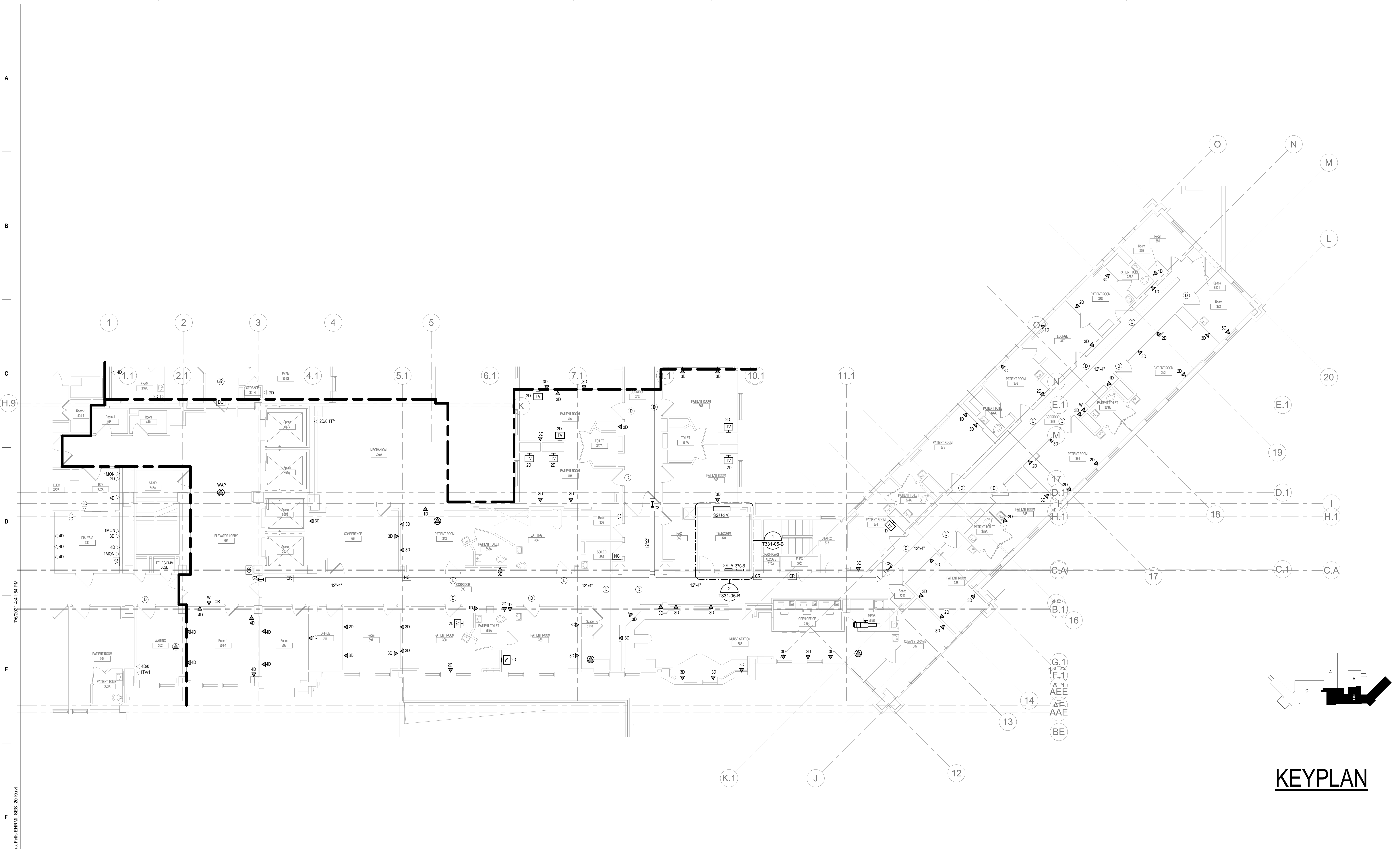
Drawn  
NMT

Project Number  
438-20-910

Building Number  
5

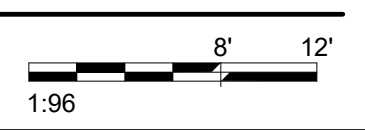
Drawing Number  
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**KEYPLAN**

**1** THIRD LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"



Revisions:	Date:

**CONSULTANT**

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Nathan Timm  
BICSI ID # 346555  
Expires 12-31-23  
RCO

**Office of Construction and Facilities Management**

Drawing Title  
**THIRD LEVEL LOW VOLTAGE PLAN - BUILDING 5 - AREA B**

Approved:

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

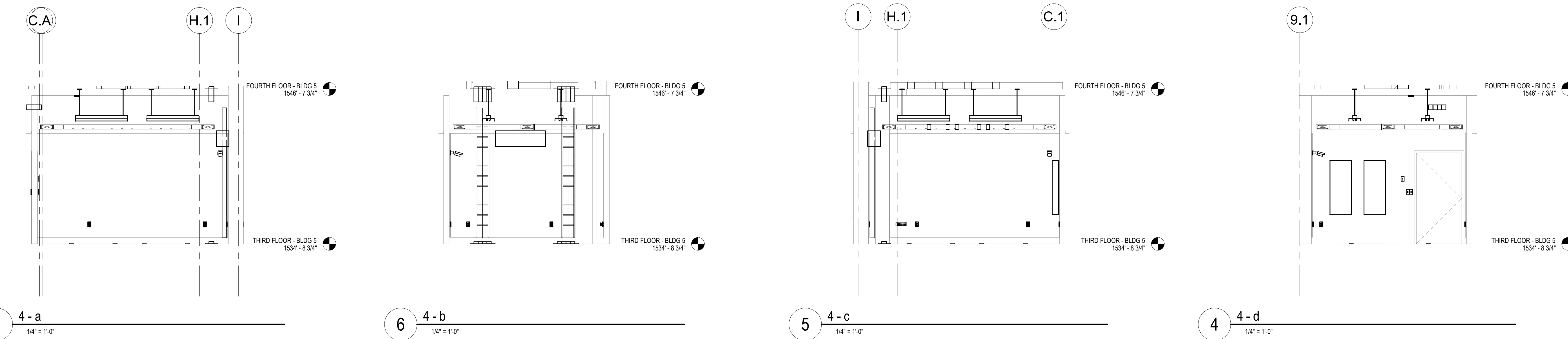
Drawn  
NMT

Project Number  
438-20-910

Building Number  
5

Drawing Number  
**TN131-05-B**





**CABLING NOTES:**

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

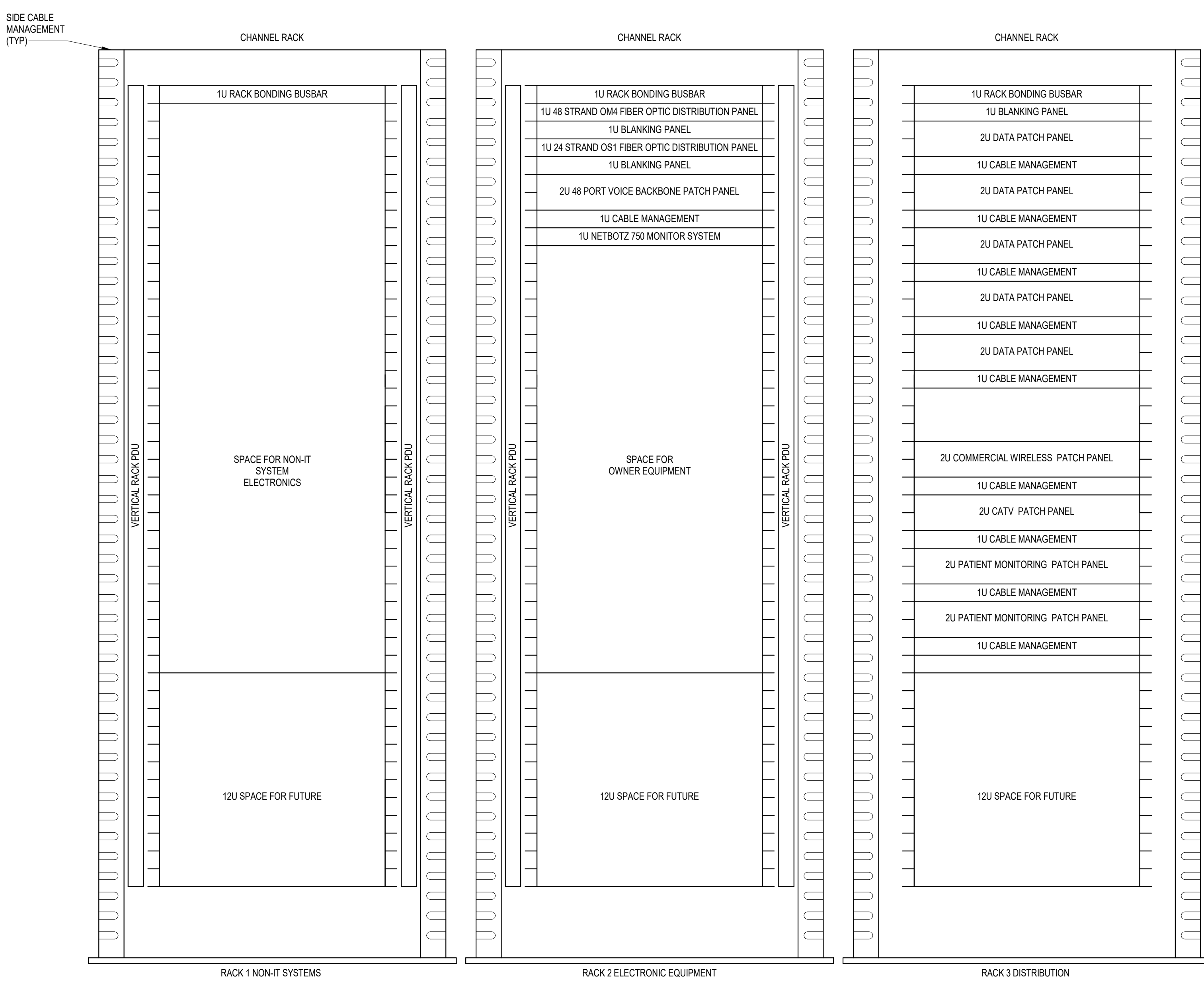
ROOM 370

EXISTING CABLE COUNT  
 DATA (CAT6): 0  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

CABLE RELOCATION COUNT  
 DATA (CAT6): +5 FROM ROOM 332E  
 DATA (CAT6): +20 FROM ROOM 372  
 DATA (CAT5): +120 FROM ROOM 332E  
 DATA (CAT5): +82 FROM ROOM 372  
 VIDEO: +13 FROM ROOM 332E  
 PATIENT MONITORING: +75 FROM ROOM 332E  
 COMMERCIAL WIRELESS: +8 FROM ROOM 332E

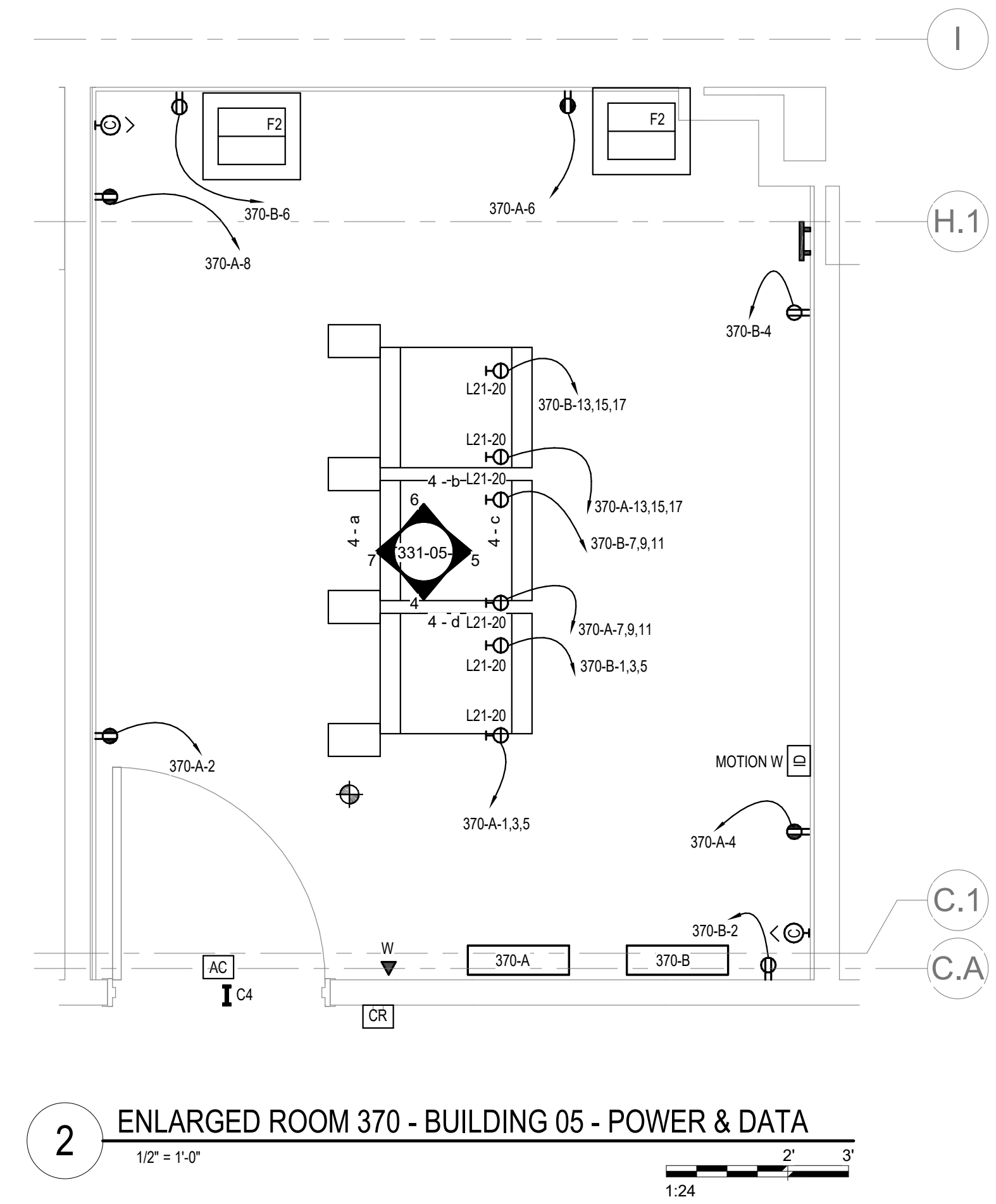
EXISTING CABLE TO REMAIN  
 DATA (CAT6): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT  
 DATA (CAT6): 227  
 VIDEO: 13  
 PATIENT MONITORING: 72  
 COMMERCIAL WIRELESS: 8

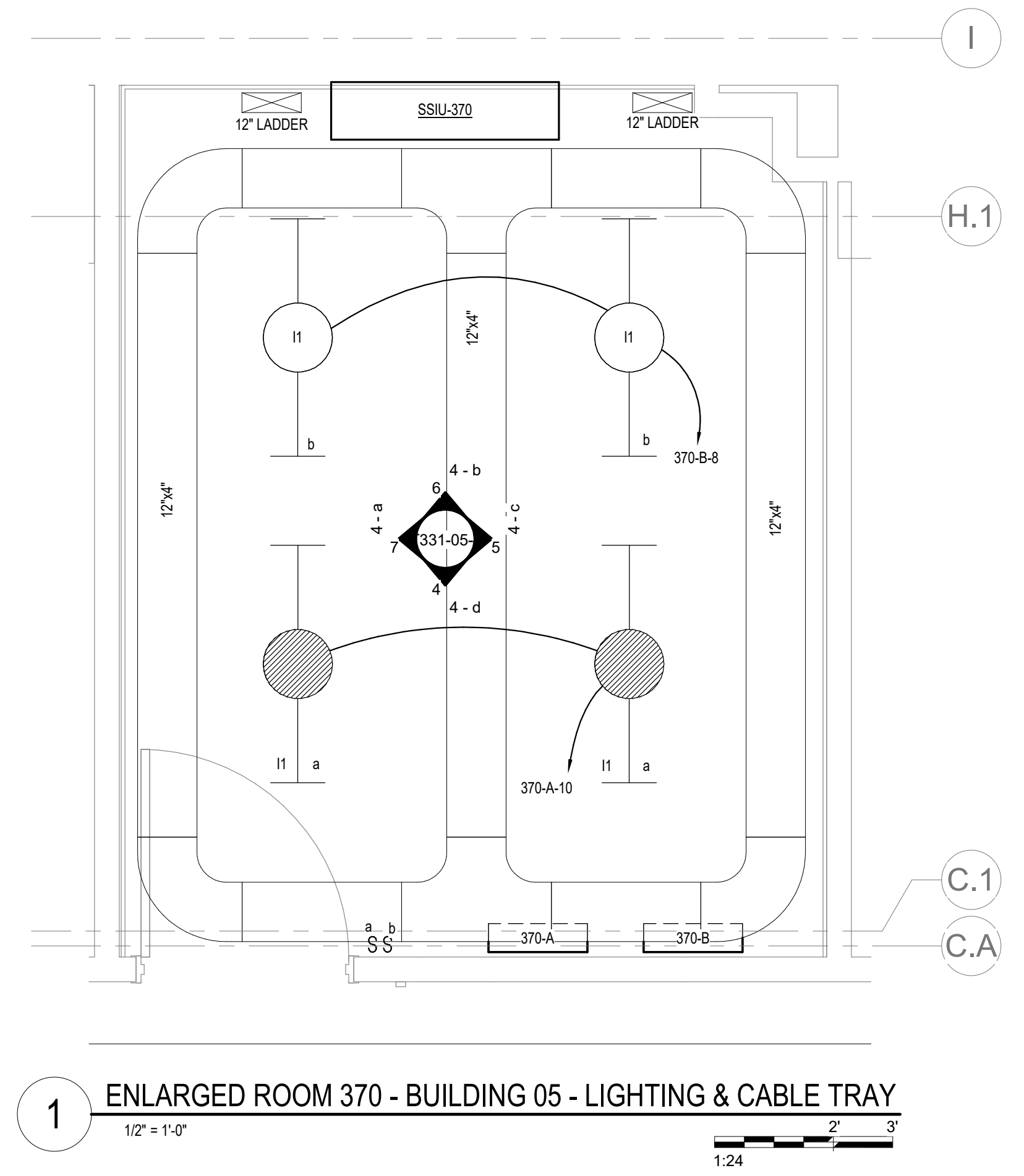


- NOTES:**
- COORDINATE FINAL RACK LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
  - PROVIDE COMPONENTS NOT LISTED "BY OWNER".
  - SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
  - COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
  - REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
  - CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
  - COORDINATE INSTALLATIONS WITH OWNER'S ISIT REPRESENTATIVE.

**3 RACK ELEVATION - ROOM 370**  
NO SCALE



**2 ENLARGED ROOM 370 - BUILDING 05 - POWER & DATA**  
1/2" = 1'-0"



**1 ENLARGED ROOM 370 - BUILDING 05 - LIGHTING & CABLE TRAY**  
1/2" = 1'-0"

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Revisions:	Date:

<b>CONSULTANT</b>  SPECIALIZED ENGINEERING SOLUTIONS 10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com	<b>ARCHITECT/ENGINEER OF RECORD</b>  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 # 16090	<b>STAMP</b>  Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 REGISTERED COMMUNICATIONS DISTRIBUTION	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title <b>ENLARGED ROOM 370</b>	Phase <b>BID DOCUMENTS</b>	Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b>	Project Number <b>438-20-910</b>
				Approved:	Fully Sprinklered	Location Sioux Falls, SD	Building Number <b>5</b>
				Issue Date 07/06/2021	Checked KSB	Drawn NMT	Drawing Number <b>T331-05-B</b>

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**LIGHTING PANEL: 370-B**

LOCATION: TELECOMM 370  
 SUPPLY FROM: B2  
 BRANCH: NORMAL  
 SERVICE RATED: No  
 MOUNTING: SURFACE  
 NEMA ENCLOSURE: 1

VOLTS: 208/120 WYE  
 PHASES: 3  
 WIRES: 4  
 INTEGRAL SPD: Yes  
 AVAILABLE SCC (KA): 3.0

MAINS TYPE: MCB  
 MCB/MLO RATING: 100 A  
 MCB OPTIONS: NONE  
 SECTIONS: 1  
 PANEL POLES: 42

C..	CIRCUIT DESCRIPTION	OPT	RATI..	POL..	A	B	C	POL..	RATI..	OPT	CIRCUIT DESCRIPTION	C..	
1	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA 180 VA	1	20 A		REC TELECOMM 370	2	
3	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA 180 VA	1	20 A		REC TELECOMM 370	4	
5	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	50 VA	1922 VA	1	20 A		LTG TELECOMM 370	6	
7	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	8	
9	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	10	
11	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	12	
13	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	14	
15	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	16	
17	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	18	
19	SPARE	--	20 A	3	0 VA							20	
21	SPARE	--	20 A	1	0 VA		0 VA					22	
23	SPARE	--	20 A	1	0 VA		0 VA					24	
25	SPARE	--	20 A	1	0 VA		0 VA					26	
27	SPARE	--	20 A	1	0 VA		0 VA					28	
29	SPARE	--	20 A	1	0 VA		0 VA					30	
31	SPARE	--	20 A	1	0 VA		0 VA					32	
33	SPARE	--	20 A	3	0 VA							34	
35	SPARE	--	20 A	3	0 VA							36	
37												38	
39												40	
41												42	
					<b>TOTAL LOAD:</b>	5995 VA	5945 VA	5945 VA					
					<b>TOTAL AMPS:</b>	50 A	50 A	50 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LTG	50 VA	125.00%	62 VA	CONNECTED LOAD: 17885 VA
REC	540 VA	100.00%	540 VA	CONNECTED CURRENT: 58 A
PWR-NC	17295 VA	78.91%	13648 VA	DEMAND LOAD: 14249 VA
				DEMAND CURRENT: 40 A
				CONSIDER 125% DEMAND: 17812 A
				EQUIPMENT AMPS: 100 A
				FEEDER AVAILABLE: 100 A
				SPARE CAPACITY: 60 %
				60 A

**OPTIONS:**  
 CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

**GENERAL REMARKS:**  
 A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

**LIGHTING PANEL: 370-A**

LOCATION: TELECOMM 370  
 SUPPLY FROM: A2  
 BRANCH: CRITICAL  
 SERVICE RATED: No  
 MOUNTING: SURFACE  
 NEMA ENCLOSURE: 1

VOLTS: 208/120 WYE  
 PHASES: 3  
 WIRES: 4  
 INTEGRAL SPD: Yes  
 AVAILABLE SCC (KA): 3.0

MAINS TYPE: MCB  
 MCB/MLO RATING: 100 A  
 MCB OPTIONS: NONE  
 SECTIONS: 1  
 PANEL POLES: 42

C..	CIRCUIT DESCRIPTION	OPT	RATI..	POL..	A	B	C	POL..	RATI..	OPT	CIRCUIT DESCRIPTION	C..	
1	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA 180 VA	1	20 A		REC TELECOMM 370	2	
3	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA 180 VA	1	20 A		REC TELECOMM 370	4	
5	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA 180 VA	1	20 A		REC TELECOMM 370	6	
7	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA 50 VA	1	20 A		REC TELECOMM 370	8	
9	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		LTG TELECOMM 370	10	
11	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	12	
13	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	14	
15	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	16	
17	PWR-C TELECOMM 370 - RACK RECEPTACLE		20 A	3	1922...	180 VA	1922 VA	1	20 A		REC TELECOMM 370	18	
19	SSIU-370/SSOU-370		30 A	2	1488...		1488 VA					20	
21	SPARE	--	20 A	1	0 VA		0 VA					22	
23	SPARE	--	20 A	1	0 VA		0 VA					24	
25	SPARE	--	20 A	1	0 VA		0 VA					26	
27	SPARE	--	20 A	1	0 VA		0 VA					28	
29	SPARE	--	20 A	1	0 VA		0 VA					30	
31	SPARE	--	20 A	1	0 VA		0 VA					32	
33	SPARE	--	20 A	3	0 VA		0 VA					34	
35	SPARE	--	20 A	3	0 VA		0 VA					36	
37												38	
39												40	
41												42	
					<b>TOTAL LOAD:</b>	7813 VA	7482 VA	5945 VA					
					<b>TOTAL AMPS:</b>	65 A	64 A	50 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LTG	50 VA	125.00%	62 VA	CONNECTED LOAD: 21040 VA
REC	720 VA	100.00%	720 VA	CONNECTED CURRENT: 58 A
MTR	2875 VA	124.00%	3689 VA	DEMAND LOAD: 18118 VA
PWR-NC	17295 VA	78.91%	13648 VA	DEMAND CURRENT: 50 A
				CONSIDER 125% DEMAND: 22648 A
				EQUIPMENT AMPS: 100 A
				FEEDER AVAILABLE: 100 A
				SPARE CAPACITY: 49 %
				50 A

**OPTIONS:**  
 CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

**GENERAL REMARKS:**  
 A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

Revisions:	Date:


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Anderson Engineering of Minnesota, LLC | Proj # 16090

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**Bicsi**  
Nathan Timm  
BICSI ID # 346555  
EXPIRES 12-31-22  
REGISTERED COMMUNICATIONS DISTRIBUTION

Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title

**PANEL SCHEDULES - BUILDING 5 - THIRD LEVEL - AREA B**

Approved:

Phase

**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title

**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

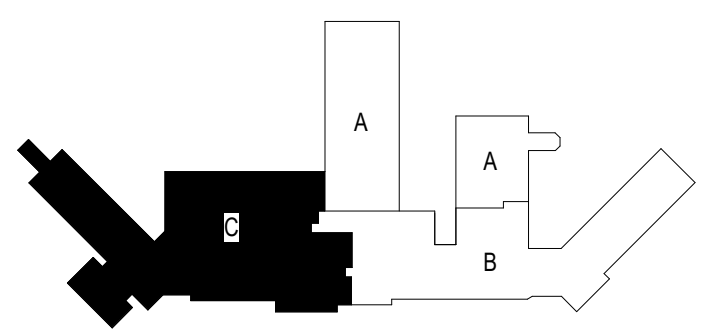
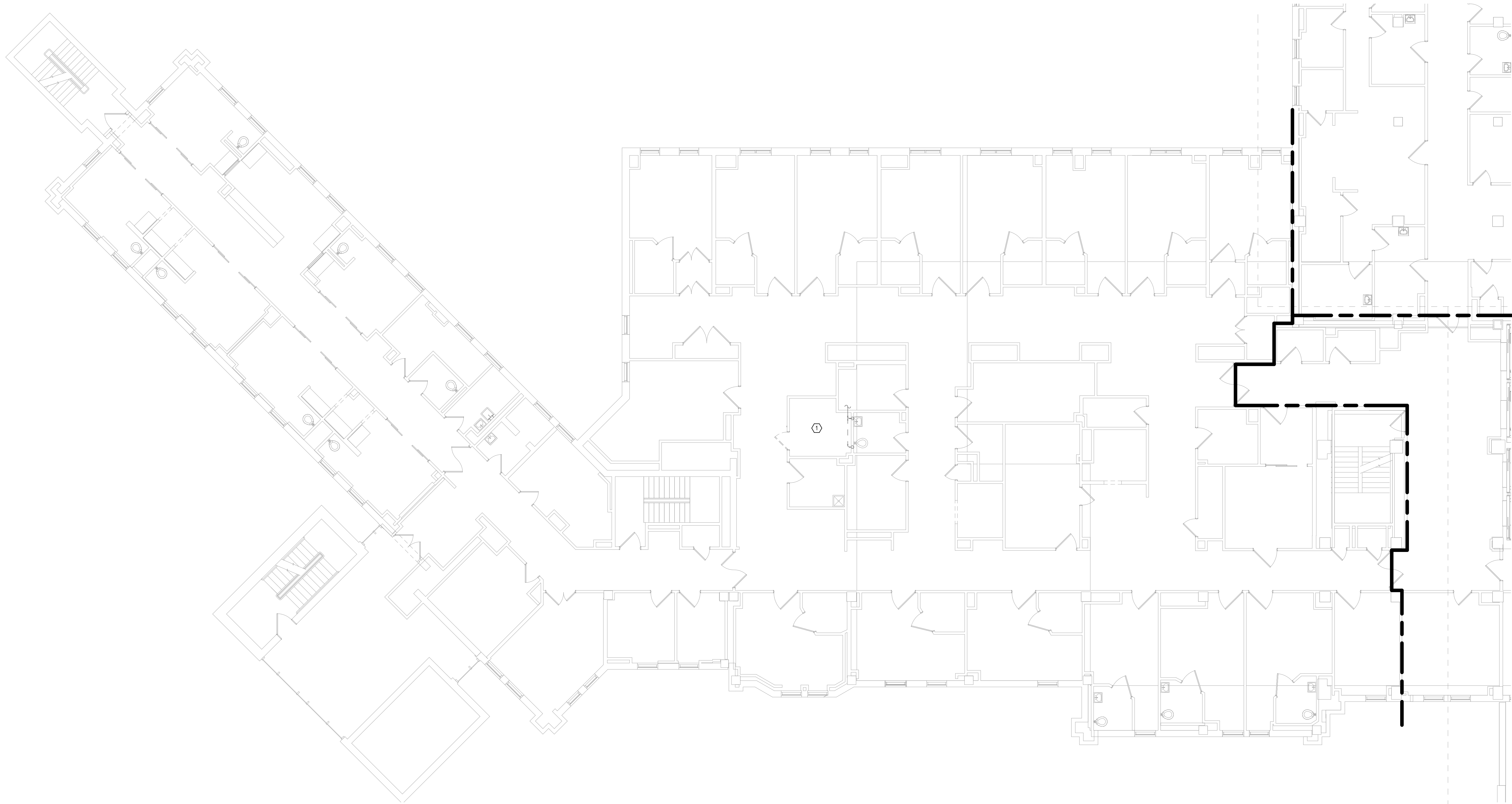
Drawn  
NMT

Project Number  
438-20-910

Building Number  
5

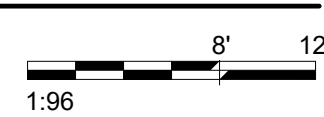
Drawing Number  
EE431-05-B

- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
  - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
  - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
  - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.
- SHEET NOTES:** (C)
- DEMOLISH SUPPLY AND RETURN AIR DUCTWORK SERVING THIS ROOM BACK TO MAIN AND CAP.




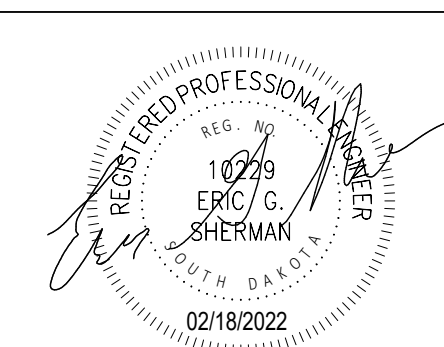



**KEYPLAN**

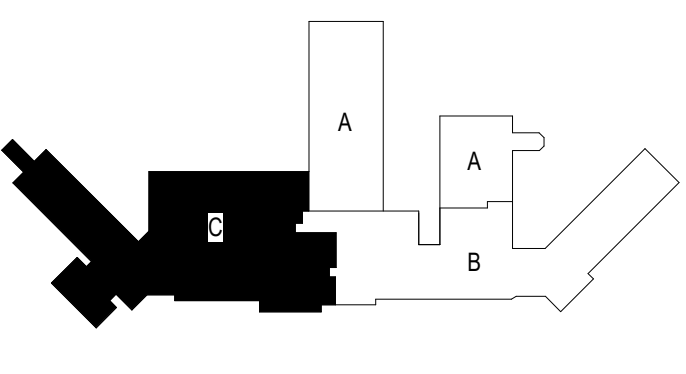
**1** THIRD LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA C  
1/8" = 1'-0"



Revisions:	Date:

<b>CONSULTANT</b> 		<b>ARCHITECT/ENGINEER OF RECORD</b>  <b>SPECIALIZED ENGINEERING SOLUTIONS</b> <small>10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com</small>		 <b>ANDERSON</b> <small>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 # 16090</small>		<b>STAMP</b> 		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veterans Affairs		Drawing Title <b>THIRD LEVEL MECHANICAL DEMOLITION PLAN - BUILDING 5 - AREA C</b> Approved:		Phase <b>BID DOCUMENTS</b> <b>FULLY SPRINKLERED</b>		Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b>		Project Number <b>438-20-910</b>					
										Location <b>Sioux Falls, SD</b>		Issue Date <b>02/18/2022</b>		Checked <b>EGS</b>		Drawn <b>PHV</b>		Building Number <b>5</b>		Drawing Number <b>MD131-05-C</b>	

- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
  - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED. EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
  - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
  - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.



**KEYPLAN**

**1** THIRD LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA C  
1/8" = 1'-0"

1:96  
0' 6' 12'

Revisions:	Date:

**CONSULTANT**




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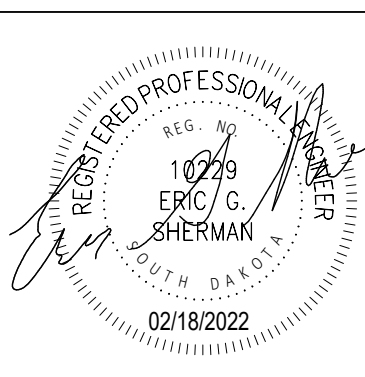
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**Office of Construction and Facilities Management**

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

**Drawing Title**  
THIRD LEVEL DUCTWORK PLAN - BUILDING 5 - AREA C

**Approved:**

**Phase**  
BID DOCUMENTS

**FULLY SPRINKLERED**

**Project Title**  
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

**Location**  
Sioux Falls, SD

**Issue Date**  
02/18/2022

**Checked**  
EGS

**Drawn**  
PHV

**Project Number**  
438-20-910

**Building Number**  
5

**Drawing Number**  
MH131-05-C

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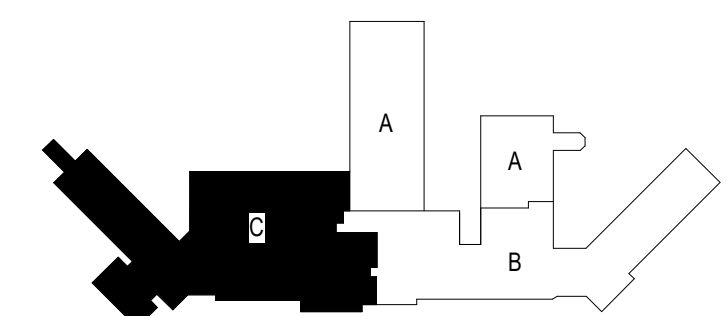


**GENERAL NOTES:**

1. COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
2. ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
3. UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
4. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

**SHEET NOTES:**

1. ROUTE CONDENSATE TO MOP SINK.



**KEYPLAN**

1 THIRD LEVEL PIPING FLOOR PLAN - BUILDING 5 - AREA C  
1/8" = 1'-0"



Revisions:	Date:

**CONSULTANT**




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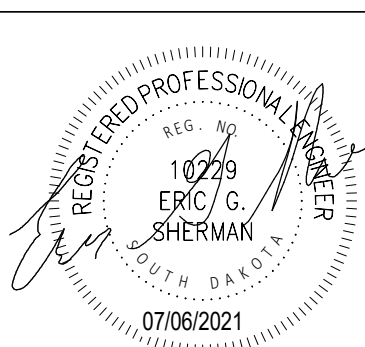
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**Office of Construction and Facilities Management**

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

**Drawing Title**  
THIRD LEVEL PIPING FLOOR PLAN - BUILDING 5 - AREA C

**Approved:**

**Phase**  
BID DOCUMENTS

**FULLY SPRINKLERED**

**Project Title**  
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

**Location**  
Sioux Falls, SD

**Issue Date**  
07/06/2021

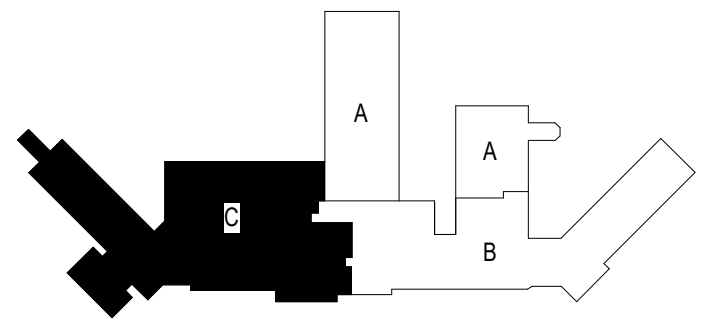
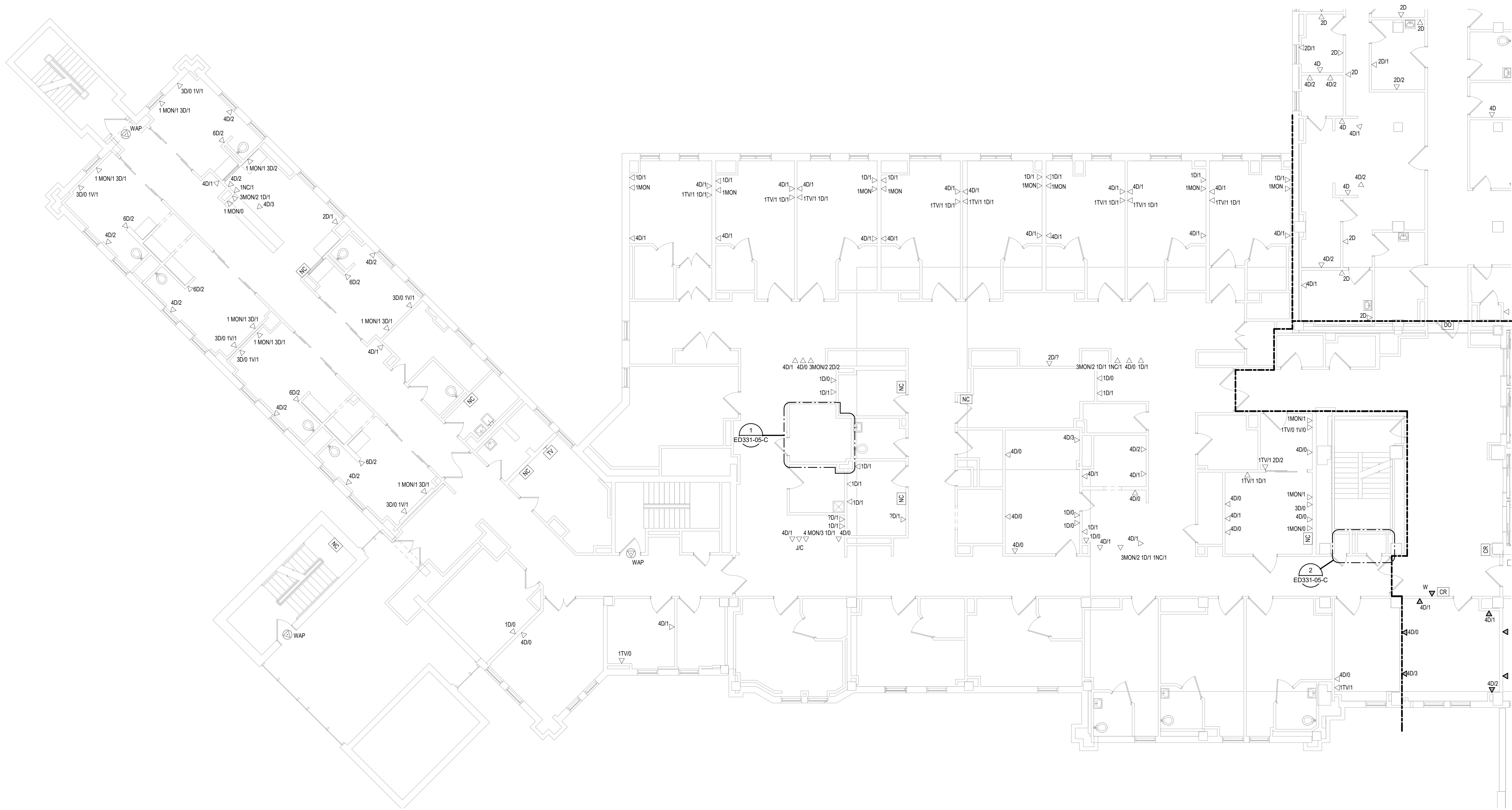
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EGS

**Drawn**  
PHV

**Project Number**  
438-20-910

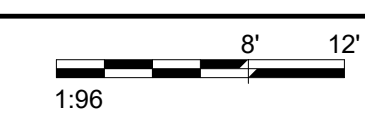
**Building Number**  
5

**Drawing Number**  
MP131-05-C



### KEYPLAN

1 THIRD LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA C  
1/8" = 1'-0"



Revisions:	Date:

CONSULTANT



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Office of Construction and Facilities Management



Drawing Title  
THIRD LEVEL ELECTRICAL DEMOLITION PLAN - BUILDING 5 - AREA C

Approved:

Phase  
BID DOCUMENTS

FULLY SPRINKLERED

Project Title  
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

Drawn  
NMT

Project Number  
438-20-910

Building Number  
5

Drawing Number  
ED131-05-C

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**CABLING NOTES:**

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

**1. ROOM 330C**

EXISTING CABLE COUNT  
 DATA (CAT5): 480  
 DATA (CAT5): 0  
 VIDEO: 28  
 PATIENT MONITORING: 48  
 COMMERCIAL WIRELESS: 0

CABLE RELOCATION COUNT  
 DATA (CAT5): 0  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

EXISTING CABLE TO REMAIN  
 DATA (CAT5): 480  
 VIDEO: 28  
 PATIENT MONITORING: 48  
 COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT  
 DATA (CAT5): 480  
 VIDEO: 28  
 PATIENT MONITORING: 48  
 COMMERCIAL WIRELESS: 0

**2. ROOM 332E**

EXISTING CABLE COUNT  
 DATA (CAT5): 5  
 DATA (CAT5): 120  
 VIDEO: 13  
 PATIENT MONITORING: 72  
 COMMERCIAL WIRELESS: 8

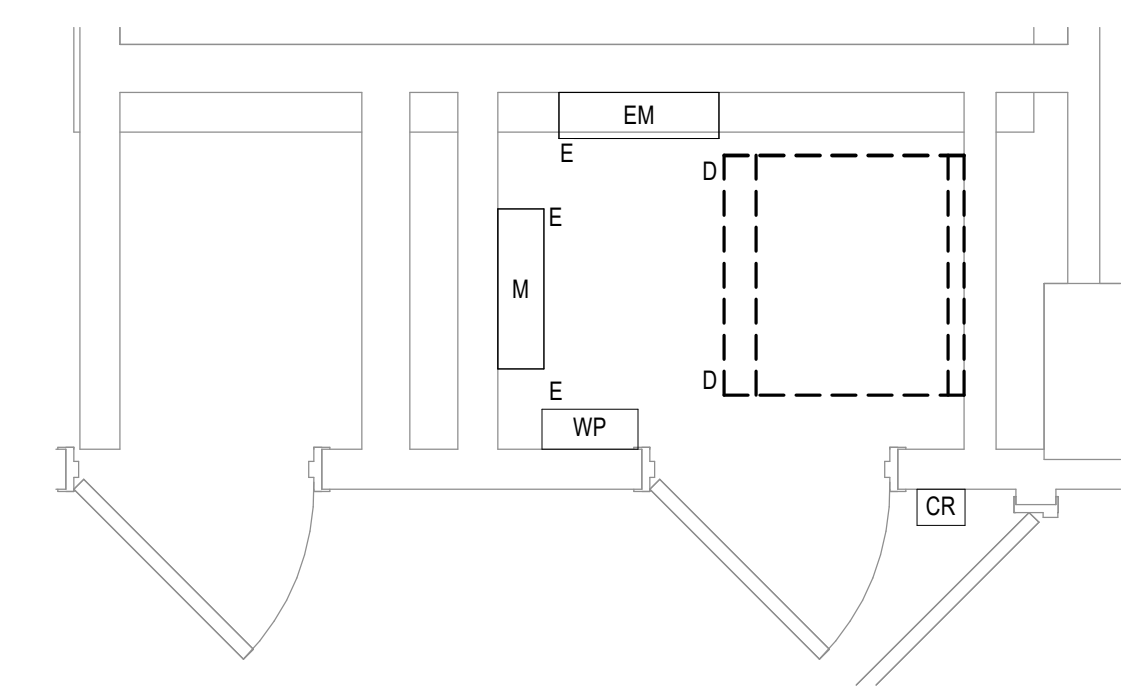
CABLE RELOCATION COUNT  
 DATA (CAT5) - 5 TO ROOM 370  
 DATA (CAT5) - 120 TO ROOM 370  
 VIDEO - 13 TO ROOM 370  
 PATIENT MONITORING - 72 TO ROOM 370  
 COMMERCIAL WIRELESS - 8 TO ROOM 370

EXISTING CABLE TO REMAIN  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

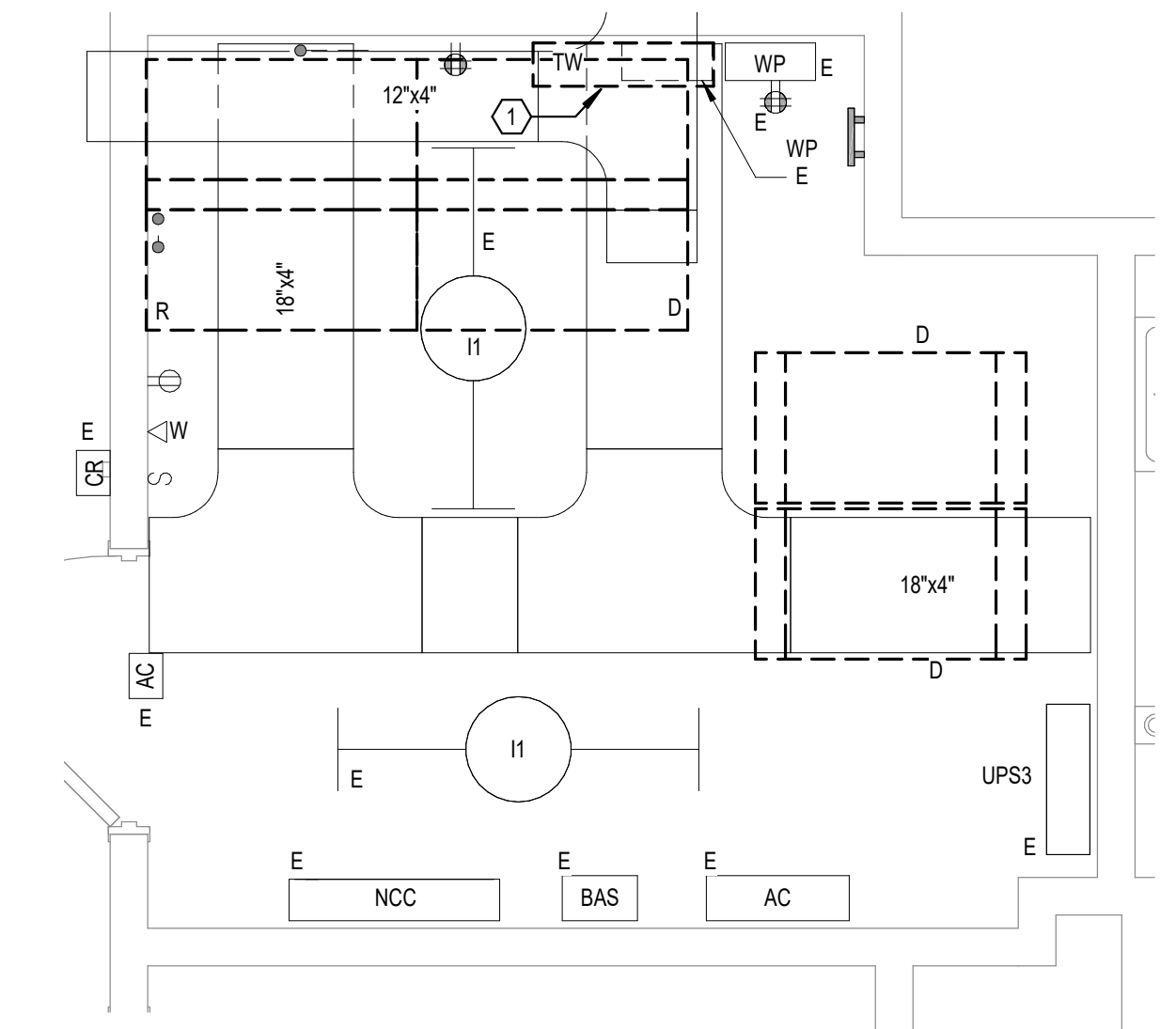
FINAL CABLE COUNT  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

**SHEET NOTES:**

1. EXISTING TELEPHONE WALL FIELD TO BE DEMOLISHED. NEW COPPER BACKBONE TO BE PROVIDED ON PATCH PANELS IN TELECOMMUNICATIONS RACK. REFER TO CABLING NOTES AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.



**2** THIRD LEVEL ELECTRICAL DEMOLITION - BUILDING 5 - AREA C - ROOM 332E  
 1/2" = 1'-0"  
 1:24



**1** THIRD LEVEL ELECTRICAL DEMOLITION - BUILDING 5 - AREA C - ROOM 330C  
 1/2" = 1'-0"  
 1:24

Revisions:	Date:

**CONSULTANT**

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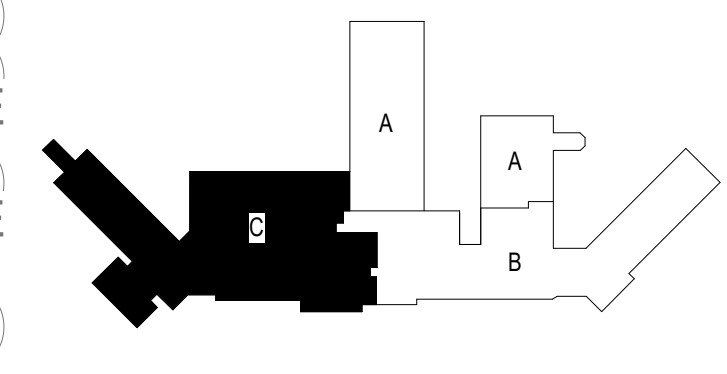
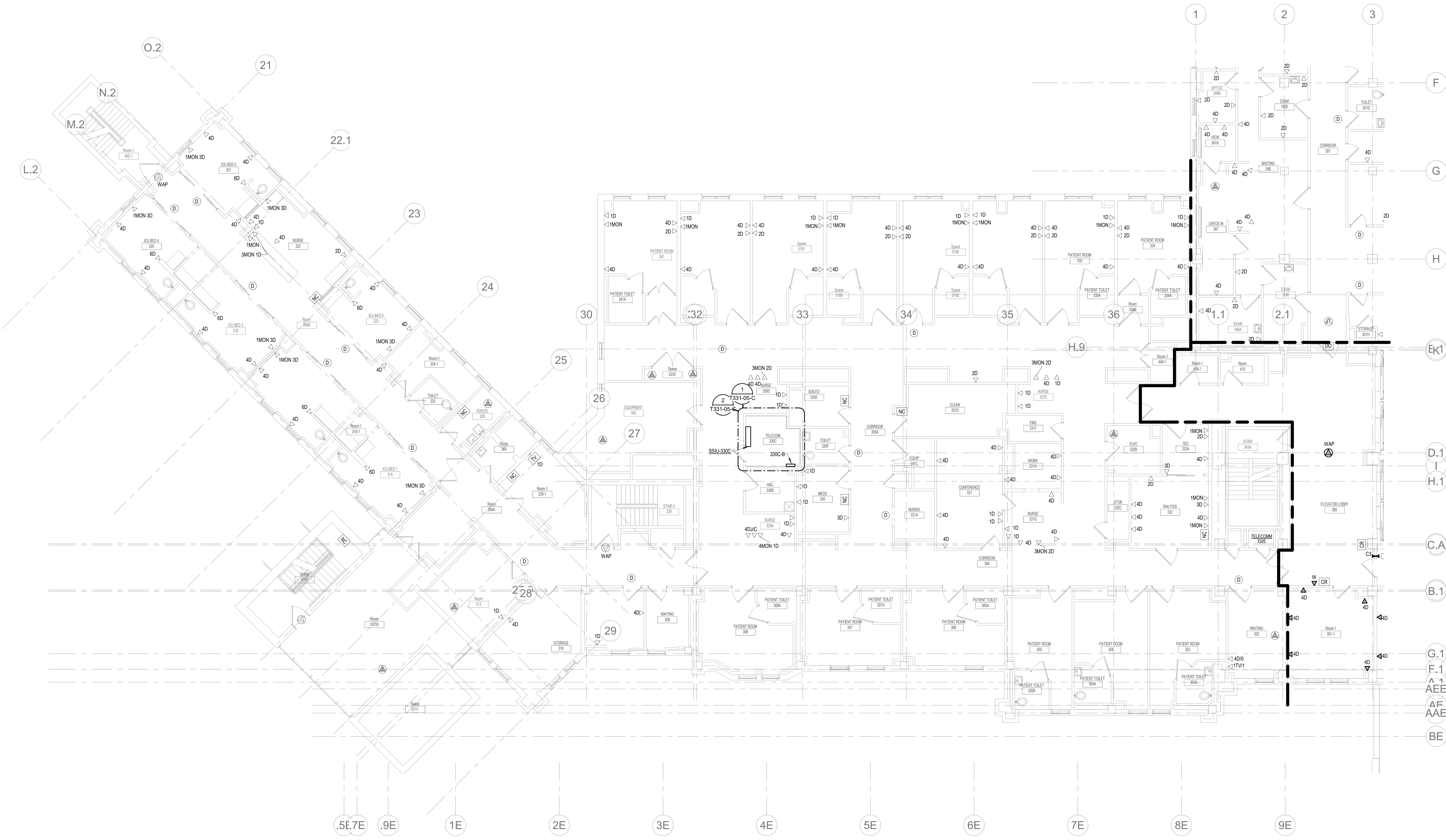
Office of Construction and Facilities Management  
 U.S. Department of Veterans Affairs

Drawing Title  
**THIRD LEVEL ELECTRICAL DEMOLITION - BUILDING 5 - ENLARGED ROOMS - AREA C**  
 Approved:

Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

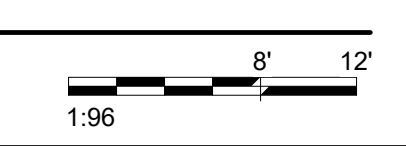
Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**  
 Location  
 Sioux Falls, SD  
 Issue Date  
 07/06/2021  
 Checked  
 KSB  
 Drawn  
 NMT

Project Number  
 438-20-910  
 Building Number  
 5  
 Drawing Number  
**ED331-05-C**



**KEYPLAN**

1 THIRD LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 5 - AREA C  
1/8" = 1'-0"



Revisions:	Date:

<b>CONSULTANT</b>  <b>AST</b>	<b>ARCHITECT/ENGINEER OF RECORD</b>  <b>ANDERSON</b> 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 # 16090	<b>STAMP</b>  Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 REGISTERED COMMUNICATIONS DISTRIBUTION	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title <b>THIRD LEVEL LOW VOLTAGE PLAN -                  BUILDING 5 - AREA C</b>	Phase <b>BID DOCUMENTS</b>	Project Title <b>VAMC SIOUX FALLS EHRM                  INFRASTRUCTURE UPGRADES</b>	Project Number 438-20-910	
				Approved:	Fully <b>SPRINKLERED</b>	Location Sioux Falls, SD	Building Number 5	
					Issue Date 07/06/2021	Checked KSB	Drawing NMT	Drawing Number TN131-05-C



A

B

C

D

E

F

A

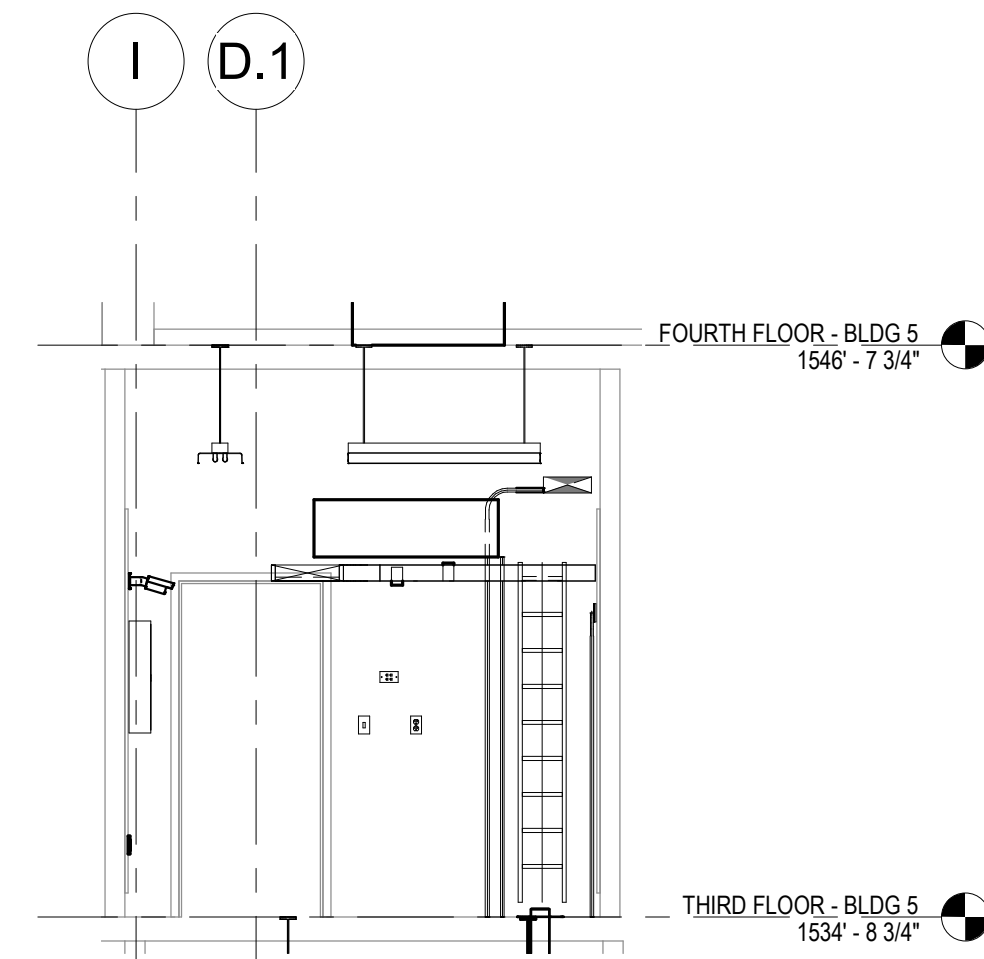
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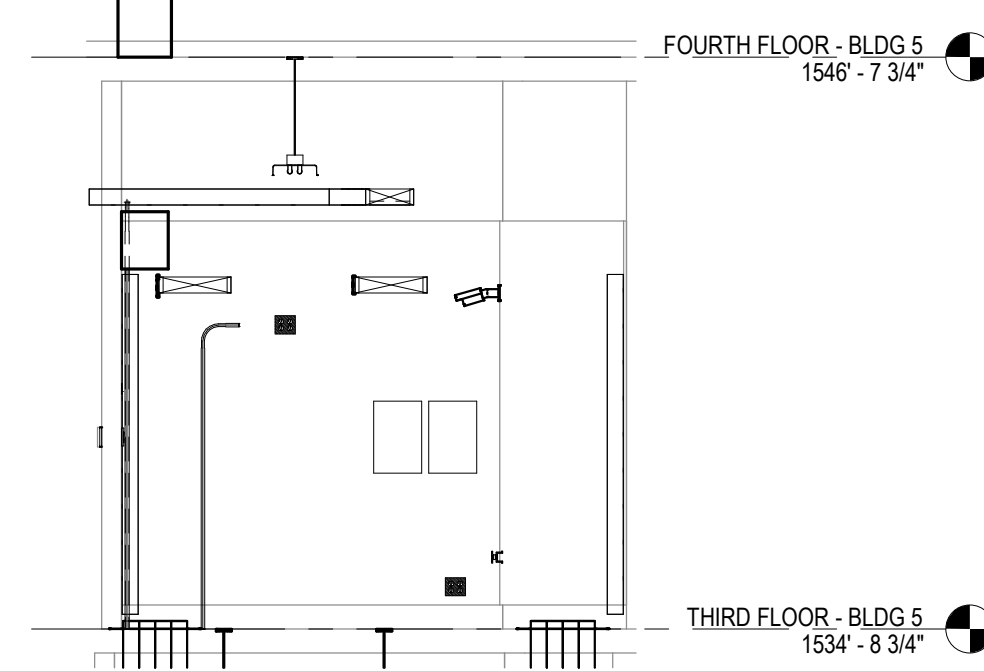
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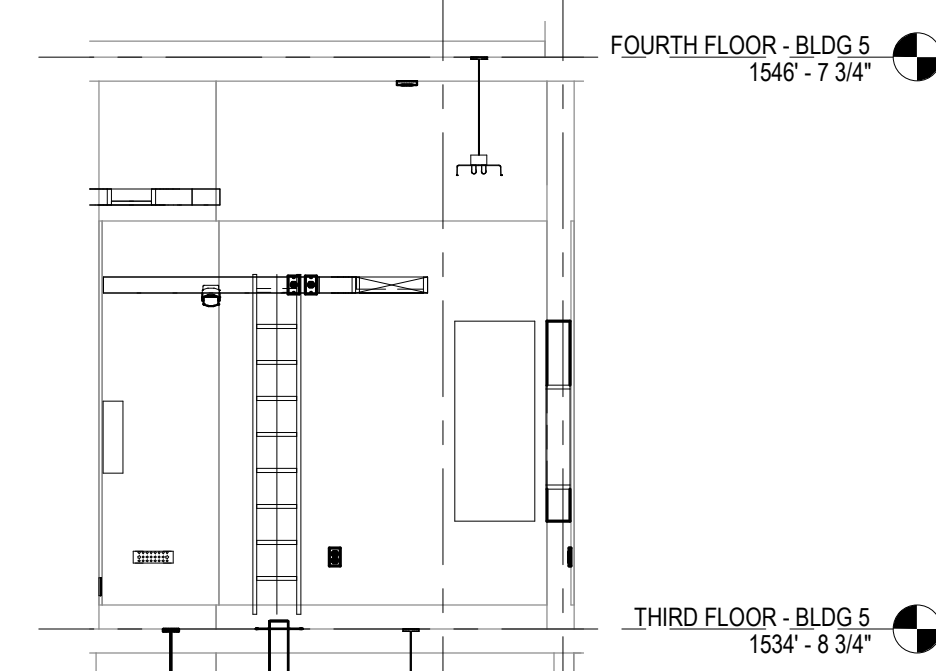
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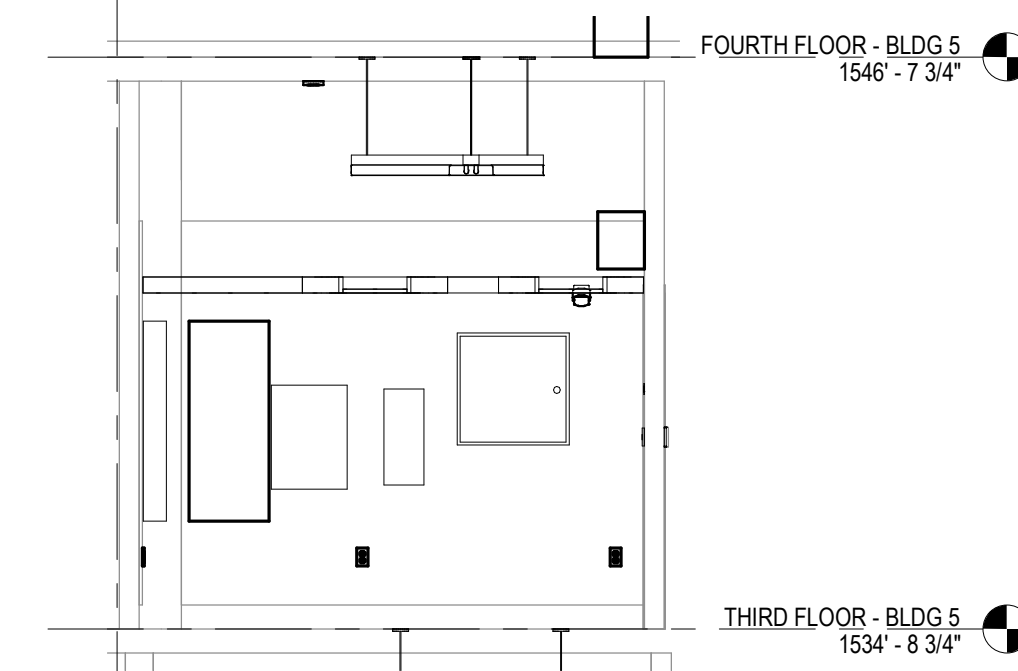
7 21-a 1/4" = 1'-0"



6 21-b 1/4" = 1'-0"



5 21-c 1/4" = 1'-0"



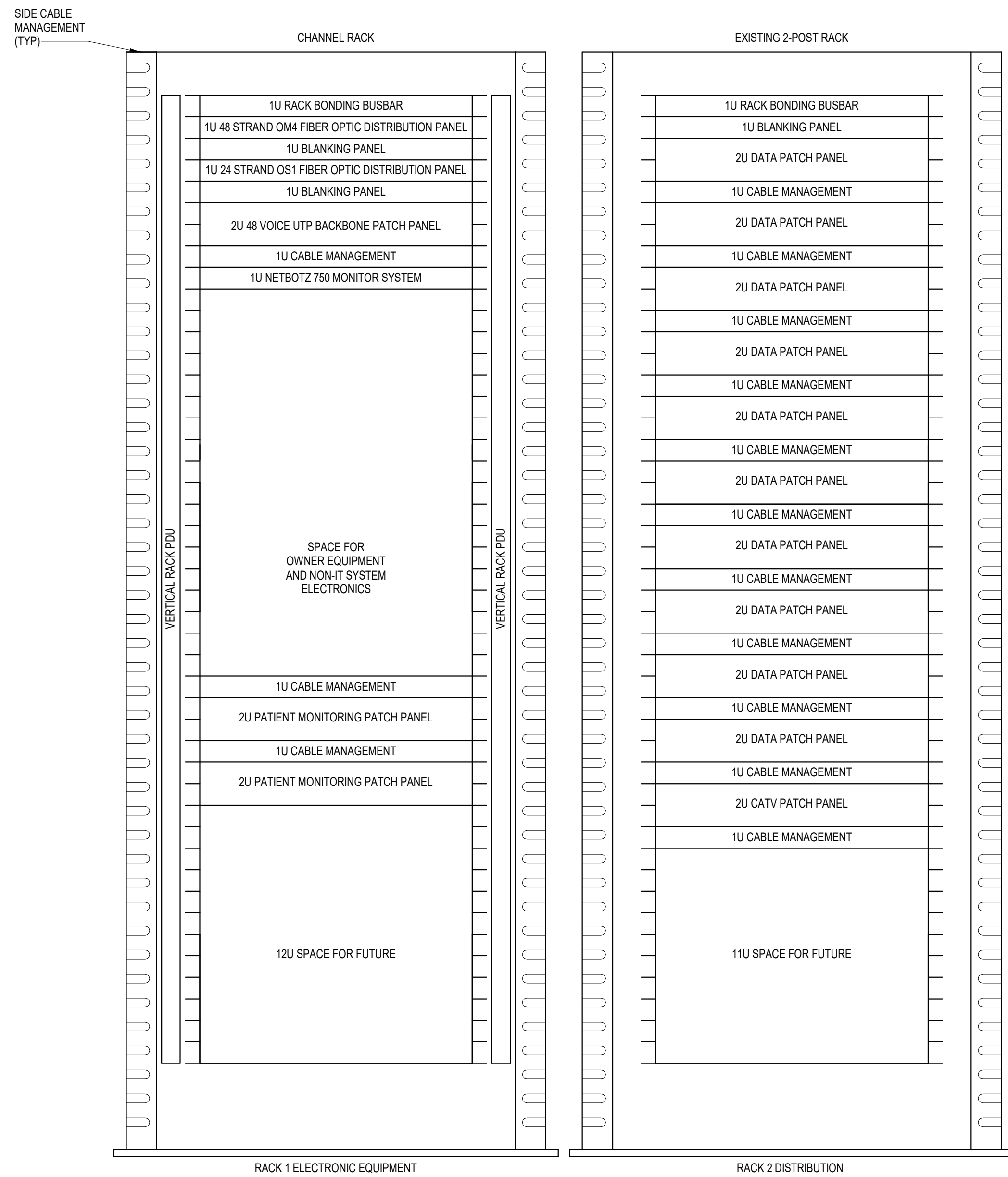
4 21-d 1/4" = 1'-0"

**CABLING NOTES:**

- A. THE EXISTING CABLE COUNT ARE THE CABLES CURRENTLY PRESENT IN THE SPACE. THE CABLE RELOCATION COUNT ARE THE NEW OR RELOCATED CABLES TO BE FED FROM THE SPACE. THE FINAL CABLE COUNT ARE THE CABLES THAT WILL BE PRESENT IN THE SPACE AT THE COMPLETION OF THE PROJECT.
- ROOM 330C
- EXISTING CABLE COUNT  
 DATA (CAT6): 480  
 DATA (CAT5): 0  
 VIDEO: 26  
 PATIENT MONITORING: 48  
 COMMERCIAL WIRELESS: 0
- CABLE RELOCATION COUNT  
 DATA (CAT6): 0  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0
- EXISTING CABLE TO REMAIN  
 DATA (CAT6): 480  
 DATA (CAT5): 0  
 VIDEO: 26  
 PATIENT MONITORING: 48  
 COMMERCIAL WIRELESS: 0
- FINAL CABLE COUNT  
 DATA (CAT6): 480  
 DATA (CAT5): 0  
 VIDEO: 26  
 PATIENT MONITORING: 48  
 COMMERCIAL WIRELESS: 0

**SHEET NOTES:**

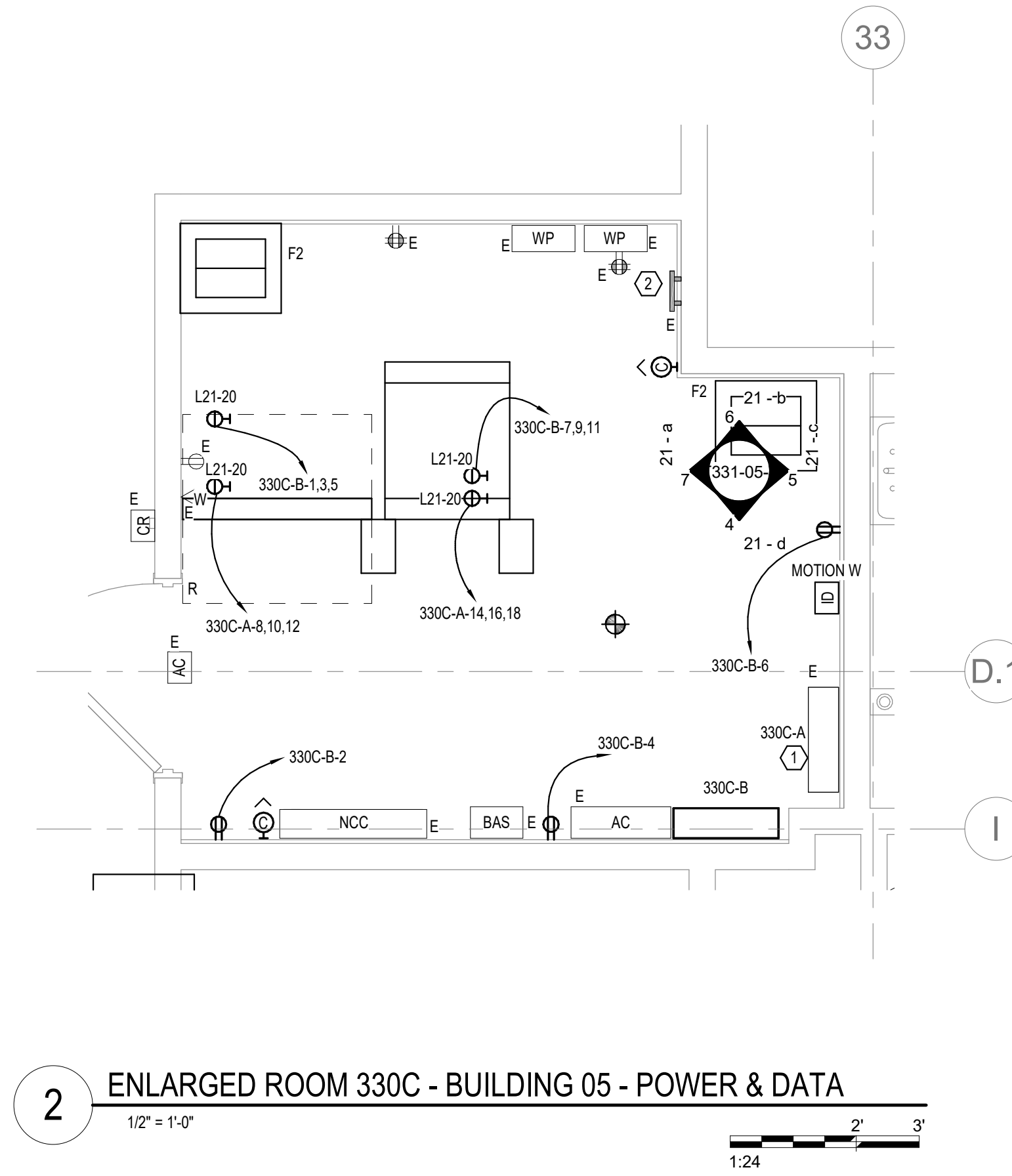
- PANEL 'UPS' TO BE RENAMED TO PANEL '330C-A'. PROVIDE PERMANENT NAMEPLATE TO MATCH NEW ELECTRICAL EQUIPMENT IN THE ROOM. PROVIDE NEW FEEDERS TO PANEL IN ACCORDANCE WITH ONE-LINE DIAGRAM ON SHEET E200.
- PROVIDE NEW BONDING CONDUCTOR AS SHOWN ON TELECOMMUNICATIONS ROUTING SCHEMATIC ON SHEET E200.



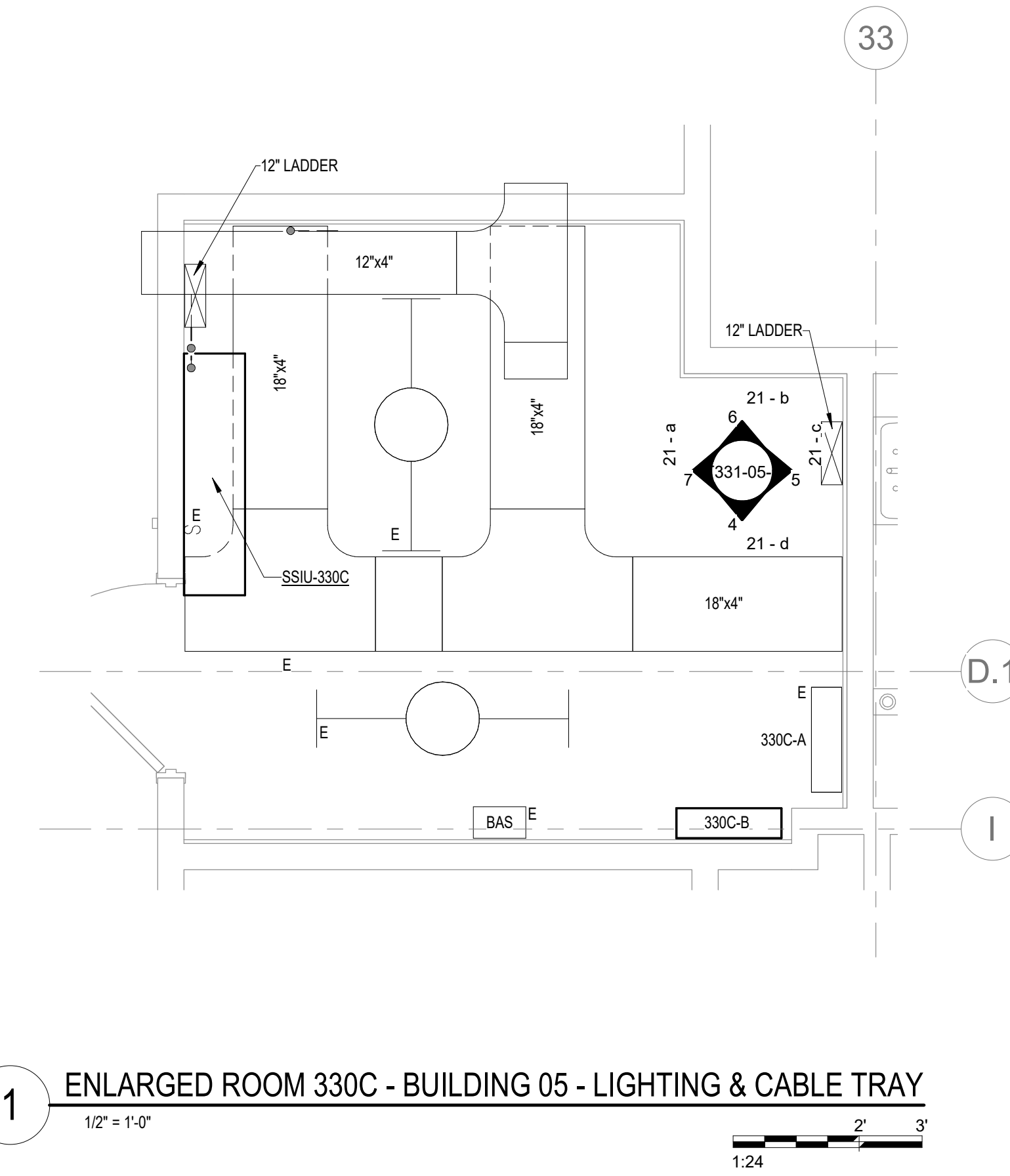
**NOTES:**

- COORDINATE FINAL RACK LAYOUT WITH OWNERS ISIT REPRESENTATIVE.
- PROVIDE COMPONENTS NOT LISTED BY OWNER.
- SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
- COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
- REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
- CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
- COORDINATE INSTALLATIONS WITH OWNERS ISIT REPRESENTATIVE.

3 RACK ELEVATION - ROOM 330C NO SCALE



2 ENLARGED ROOM 330C - BUILDING 05 - POWER & DATA 1/2" = 1'-0" 1:24



1 ENLARGED ROOM 330C - BUILDING 05 - LIGHTING & CABLE TRAY 1/2" = 1'-0" 1:24

7/16/2021 14:37:33 PM

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Revisions:	Date:

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**Bicsi** Nathan Timm BICSI ID # 346555

EXPIRES 12-31-23

REGISTERED COMMUNICATIONS DISTRIBUTION

*[Signature]* RC00

Office of Construction and Facilities Management

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

Drawing Title: ENLARGED ROOM 330C

Approved: \_\_\_\_\_

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location: Sioux Falls, SD

Issue Date: 07/06/2021

Checked: KSB

Drawn: NMT

Project Number: 438-20-910

Building Number: 5

Drawing Number: T331-05-C

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B

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**LIGHTING PANEL: 330C-B**

LOCATION: TELECOM 330C  
SUPPLY FROM: B1  
BRANCH: NORMAL  
SERVICE RATED: No  
MOUNTING: SURFACE  
NEMA ENCLOSURE: 1

VOLTS: 208/120 WYE  
PHASES: 3  
WIRES: 4  
INTEGRAL SPD: Yes  
AVAILABLE SCC (KA): 1.9

MAINS TYPE: MCB  
MCB/MLO RATING: 100 A  
MCB OPTIONS: NONE  
SECTIONS: 1  
PANEL POLES: 42

C...	CIRCUIT DESCRIPTION	OPT	RATI...	POL...	A	B	C	POL...	RATI...	OPT	CIRCUIT DESCRIPTION	C...
1	PWR-C TELECOMM 330C- RACK RECEPTACLE		20 A	3	1922... 180 VA	1922 VA 180 VA		1	20 A		REC TELECOMM 226C	2
3								1	20 A		REC TELECOMM 226C	4
5							1922 VA 180 VA	1	20 A		REC TELECOMM 226C	6
7	PWR-C TELECOMM 330C- RACK RECEPTACLE		20 A	3	1922...	1922 VA						8
9							1922 VA					10
11												12
13												14
15												16
17	SPARE	--	20 A	1			0 VA					18
19	SPARE	--	20 A	1	0 VA							20
21	SPARE	--	20 A	1		0 VA						22
23	SPARE	--	20 A	1			0 VA					24
25					0 VA							26
27	SPARE	--	20 A	3		0 VA						28
29							0 VA					30
31												32
33												34
35												36
37												38
39												40
41												42
					<b>TOTAL LOAD:</b>	4023 VA	4023 VA	4023 VA				
					<b>TOTAL AMPS:</b>	34 A	34 A	34 A				

**LOAD CLASSIFICATION**

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
REC	540 VA	100.00%	540 VA	CONNECTED LOAD: 12070 VA
PWR-NC	11530 VA	93.37%	10785 VA	CONNECTED CURRENT: 34 A
				DEMAND LOAD: 11305 VA
				DEMAND CURRENT: 31 A
				CONSIDER 125% DEMAND: 14131 A
				EQUIPMENT AMPS: 100 A
				FEEDER AVAILABLE: 68 %
				SPARE CAPACITY: 69 A

**OPTIONS:**

CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSF' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

**GENERAL REMARKS:**

A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

**LIGHTING PANEL: 330C-A**

LOCATION: TELECOM 330C  
SUPPLY FROM: A1  
BRANCH: CRITICAL  
SERVICE RATED: No  
MOUNTING: SURFACE  
NEMA ENCLOSURE: 1

VOLTS: 208/120 WYE  
PHASES: 3  
WIRES: 4  
INTEGRAL SPD: Yes  
AVAILABLE SCC (KA):

MAINS TYPE: MCB  
MCB/MLO RATING: 100 A  
MCB OPTIONS: NONE  
SECTIONS: 1  
PANEL POLES: 18

C...	CIRCUIT DESCRIPTION	OPT	RATI...	POL...	A	B	C	POL...	RATI...	OPT	CIRCUIT DESCRIPTION	C...	
1	ROOM 330C	--	20 A	1	0 VA	0 VA			1	20 A	--	ROOM 330C	2
3	ROOM 330C	--	20 A	1		0 VA	0 VA		1	20 A	--	ROOM 330C	4
5	ROOM 330C	--	20 A	1			0 VA	0 VA	1	20 A	--	ROOM 330C	6
7	ROOM 330C	--	20 A	1	0 VA	1922 VA						8	
9	ROOM 332A	--	20 A	1		0 VA	1922 VA		3	20 A	--	PWR-C TELECOMM 226C - RACK RECEPTACLE	10
11	ROOM 332A	--	20 A	1		0 VA	1922 VA	0 VA	1922...			12	
13	ROOM 332A	--	20 A	1	0 VA	1922 VA						14	
15	SSIU330C/S30U330C		25 A	2		1195 VA	1922 VA		3	20 A	--	PWR-C TELECOMM 226C - RACK RECEPTACLE	16
17							5038 VA	5038 VA				18	
					<b>TOTAL LOAD:</b>	3843 VA	5038 VA	1195 VA 1922...					
					<b>TOTAL AMPS:</b>	32 A	44 A	44 A					

**LOAD CLASSIFICATION**

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
MTR	2390 VA	124.22%	2969 VA	CONNECTED LOAD: 13920 VA
PWR-NC	11530 VA	93.37%	10785 VA	CONNECTED CURRENT: 39 A
				DEMAND LOAD: 13734 VA
				DEMAND CURRENT: 38 A
				CONSIDER 125% DEMAND: 17167 A
				EQUIPMENT AMPS: 100 A
				FEEDER AVAILABLE: 61 %
				SPARE CAPACITY: 62 A

**OPTIONS:**

CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSF' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

**GENERAL REMARKS:**

A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

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Revisions:	Date:


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**Bicsi**  
Nathan Timm  
BICSI ID # 346555  
EXPIRES 12-31-22

Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title

**PANEL SCHEDULES - BUILDING 5 - THIRD LEVEL - AREA C**

Approved:

Phase

**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title

**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

Drawn  
NMT

Project Number  
438-20-910

Building Number  
5

Drawing Number  
EE431-05-C

A

B

C

D

E

F



1 FORTH LEVEL OVERALL DEMOLITION PLAN - BUILDING 5  
1/8" = 1'-0"



NOTE:  
COORDINATE GENERAL DEMOLITION WORK  
WITH ABATEMENT AND REMEDIATION WORK.

DEMOLITION PLAN SYMBOLS	
	EXISTING WALL TO REMAIN
	WALL OR PARTITION TO BE REMOVED
	DASHED LINE INDICATES ITEM TO BE REMOVED (UNO)
	GRIDLINE
	EXISTING DOOR AND FRAME TO REMAIN
	EXISTING DOOR AND FRAME TO BE DEMOLISHED
	KEY NOTE

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

- ### DEMOLITION GENERAL NOTES
- GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK, PHASING AND SEQUENCING WITH THE OWNER. ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THESE DOCUMENTS IS FOR ARCHITECT - OWNER PLANNING PURPOSES ONLY, UNLESS NOTED OTHERWISE.
  - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES FOR THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
  - WHERE PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE PARTITION ALONG WITH ALL ITEMS CONTAINED WITHIN, INCLUDING DOORS, FRAMES, HARDWARE, SIDELIGHTS, WINDOWS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
  - WHERE FLOOR FINISH IS INDICATED TO BE DEMOLISHED, REMOVE FINISH TO FLOOR SLAB AS REQUIRED AND PREPARE SLAB SURFACE FOR SCHEDULED FINISHES WITHIN AREA TO BE REMODELED, UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE FOR EXISTING FLOOR FINISHES TO REMAIN UNDISTURBED.
  - WHERE CEILING IS INDICATED TO BE DEMOLISHED, REMOVE CEILING SUSPENSION SYSTEM ALONG WITH ALL ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS, UNLESS NOTED OTHERWISE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF CONDUIT, PIPING AND DUCTWORK DEMOLITION WITHIN AREA TO BE REMODELED.
  - WHERE INDICATED, REMOVE ALL WALL/PARTITION EXISTING FINISHES AND PREPARE THE SURFACES FOR SCHEDULED FINISHES. SEE FINISH SCHEDULE FOR FINISHES.
  - ALL DISTURBED AREAS, WALLS, PARTITIONS, FLOORS, ETC. DAMAGED BY DEMOLITION WORK SHALL BE PATCHED TO MATCH ADJACENT AREA.
  - OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL SALVAGED ITEMS SUCH AS: DOORS, LIGHT FIXTURES, PLUMBING FIXTURES ETC.
  - SALVAGED ITEMS SCHEDULED FOR REUSE SHALL BE CLEANED, RESTORED AND/OR REFINISHED TO LIKE NEW CONDITION, UNLESS NOTED OTHERWISE.
  - DO NOT REMOVE ANY EXISTING STRUCTURAL SUPPORT MEMBERS SUCH AS COLUMNS, BEAMS, JOISTS, LOAD-BEARING PARTITIONS ETC. UNTIL ADEQUATE PERMANENT OR TEMPORARY SUPPORT IS IN PLACE. ALL EXISTING STRUCTURAL MEMBERS SHALL BE ADEQUATELY PROTECTED, COORDINATE WITH STRUCTURAL ENGINEER.
  - SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION AND PREP WORK.
  - WALL AND CEILING MOUNTED ITEMS SHOWN DASHED, SUCH AS WALL CABINETS, SHELVING, CURTAIN TRACKS, PROJECTION SCREENS ETC. SHALL BE REMOVED, UNLESS NOTED OTHERWISE.
  - WITHIN ALL EXISTING ROOMS/SPACES RECEIVING SCHEDULED FLOOR, OR WALL, OR CEILING FINISHES, REMOVE ALL EXISTING FLOOR, OR WALL, OR CEILING FINISHES DOWN TO THE SUBSTRATE. INCLUDE THE REMOVAL OF ALL ITEMS LOCATED WITHIN THE EXISTING FINISH REMOVALS UNO PATCH AND PREP ALL SUBSTRATES TO RECEIVE SCHEDULED FINISHES. FOR ADDITIONAL INFORMATION, SEE KEY/NOTED ITEMS, FINISH PLANS AND/OR SCHEDULES, STRUCTURAL, MECHANICAL AND ELECTRICAL.
  - THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.

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Revisions:	Date:

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Office of Construction and Facilities Management  
**VA** U.S. Department of Veterans Affairs

Drawing Title  
**FOURTH LEVEL OVERALL DEMOLITION PLAN - BUILDING 5**

Approved:

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

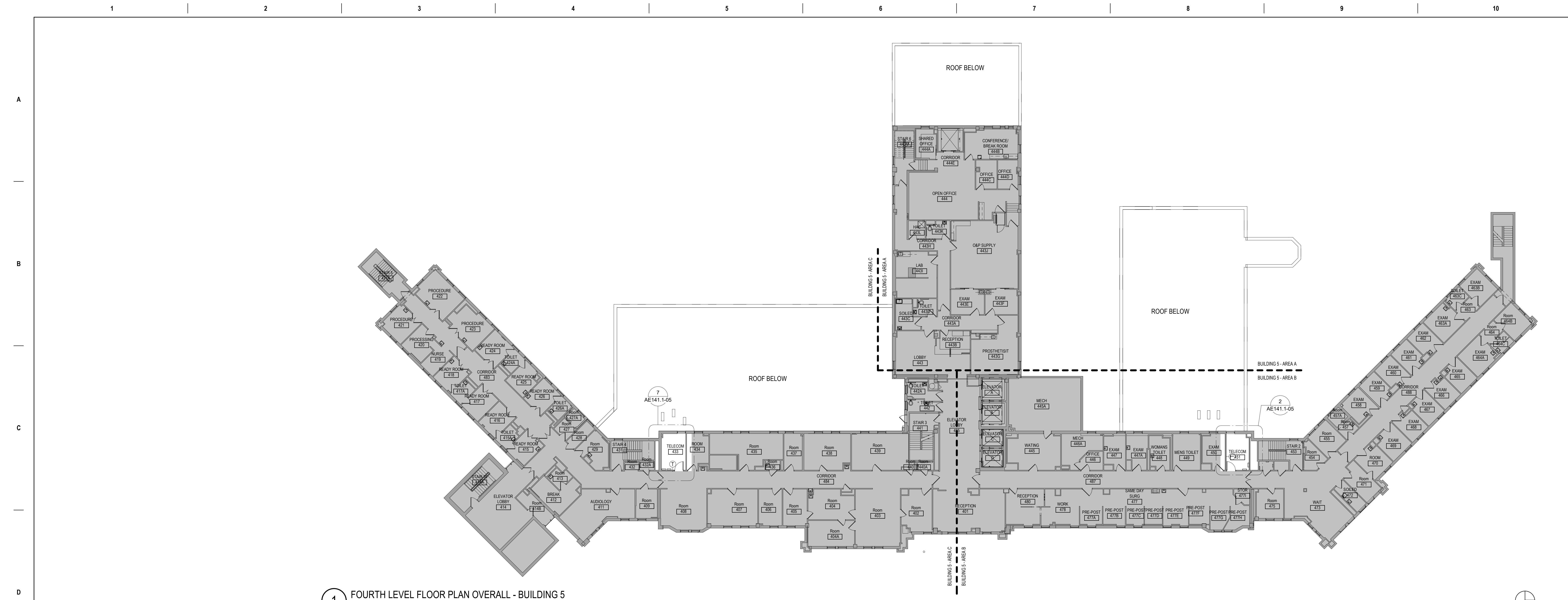
Checked  
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Drawn  
GJB

Project Number  
438-20-910

Building Number  
5

Drawing Number  
AD141-05



1 FOURTH LEVEL FLOOR PLAN OVERALL - BUILDING 5  
1/16" = 1'-0"

FLOOR PLAN SYMBOLS		
	8'-0"	DIMENSION LINE, NOMINAL
	8'-0"	EXTENDED DIMENSION LINE, NOMINAL
	1A AE211	INTERIOR ELEVATION INDICATOR TAG
	1A AE201	EXTERIOR ELEVATION INDICATOR TAG
	203	EQUIPMENT TAG
	100	FLOOR SPOT ELEVATION
	1A AE301	DETAIL REFERENCE TAG
	1A AE201	EXTERIOR SECTION REFERENCE TAG
		REVISION CLOUD
	99.3	SIGN TAG

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

- ### GENERAL NOTES
- THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.
  - CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
  - DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
  - WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
  - GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
  - FIREPROOFING SHALL BE UNPERCEIVED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING, AT THE SUBCONTRACTORS EXPENSE.
  - EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY. VERIFY SIZE WITH MANUFACTURER.
  - ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
  - ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
  - VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
  - PROVIDE LITELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR. VERIFY SIZE AND LOCATION.
  - STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
  - AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4" FRIT PLYWOOD BACKING BEHIND ALL SURFACE MOUNTED FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE.
  - CONTRACTOR SHALL EVALUATE INTEGRITY OF ALL PARTITIONS INDICATED BY SYMBOLS ON THE LIFE SAFETY PLANS WITHIN THE PROJECT SCOPE AND UPGRADE AS REQUIRED. ALL FIRE RESISTIVE RATED WALLS SHALL BE CONSTRUCTED OF MATERIALS / ASSEMBLIES MEETING THE RATING INDICATED. TERMINATE AT THE DECK ABOVE WITH A TESTED HEAD OF WALL ASSEMBLY AND ALL PENETRATIONS SHALL BE SEALED WITH A TESTED ASSEMBLY. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED OF MATERIALS THAT RESIST THE PASSAGE OF SMOKE. TERMINATE AT THE DECK ABOVE WITH A JOINT SEALED WITH FIRE CAULK AND ALL PENETRATIONS SHALL BE SEALED WITH FIRE CAULK.

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Revisions:	Date:

<b>CONSULTANT</b>  <b>AST</b>	<b>SPECIALIZED ENGINEERING SOLUTIONS</b>  <b>SES</b> 10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com	<b>ARCHITECT/ENGINEER OF RECORD</b>  <b>ANDERSON</b> 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 # 16090	<b>STAMP</b>   U.S. Department of Veterans Affairs	Drawing Title <b>FOURTH LEVEL OVERALL FLOOR PLAN - BUILDING 5</b> Approved:	Phase <b>BID DOCUMENTS</b>  <b>FULLY SPRINKLERED</b>	Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b> Location Sioux Falls, SD Issue Date 07/06/2021 Checked Checker	Project Number <b>438-20-910</b> Building Number <b>5</b> Drawing Number <b>AE141-05</b> Drawn GJB
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### FLOOR PLAN KEYED NOTES

- (FL1) PATCH PARTITION, BOTH SIDES, AS REQUIRED FROM MECHANICAL / ELECTRICAL WORK. SEE MECHANICAL / ELECTRICAL FOR ADDITIONAL INFORMATION.
  - (FL2) PROVIDE PARTITION TYPE XPS INFILL AT REMOVED RADIATOR GRILLS. PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
  - (FL3) INFILL FLOOR TO MATCH EXISTING HEIGHT. SEE STRUCTURAL
  - (FL4) PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. AS REQUIRED FROM DEMOLITION. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
  - (FL5) PROVIDE PLYWOOD 3 SIDES OF ROOM. SEE TYPICAL ELEVATIONS SHEET AE211
  - (FL6) INFILL OPENING IN CONCRETE FLOOR. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. PREP FLOOR FOR FINISHES AS SCHEDULED.
  - (FL7) PATCH FLOOR AT REMOVED ELECTRICAL. PREP FLOOR FOR FINISHES AS SCHEDULED.
  - (FL8) REINSTALL SALVAGED DOOR, FRAME AND ALL ASSOCIATED HARDWARE.
  - (FL9) REINSTALL SALVAGED LOCKER(S). PROVIDE PREMANUFACTURED BASE, FINISHED END PANEL(S) AND SLOPED TOP(S) TO MATCH EXISTING.
  - (FL10) REINSTALL SALVAGED SIGN(S)
  - (FL11) REINSTALL SALVAGED CEILING REMOVED FOR INSTALLATION OF MEP ITEMS. SEE MEP PLANS FOR ADDITIONAL INFORMATION
  - (FL12) MODIFY BASE AND SLOPED TOP AT EXISTING LOCKERS. PROVIDE PREMANUFACTURED FINISHED END PANEL(S) TO MATCH EXISTING.
  - (FL13) PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 3 / AF600
  - (FL14) PATCH FLOORING TO MATCH EXISTING FLOORING AS REQUIRED. CONTRACTOR TO PROVIDE LABOR AND MATERIALS.
  - (FL15) PATCH CONCRETE FLOOR AT REMOVED PARTITION AND/OR CONCRETE COVE BASE. PREP FOR FINISHES AS SCHEDULED.
  - (FL16) EDGE ILLUMINATED PHOTO MURALS, RECESSED IN PARTITION FOR ADDITIONAL INFORMATION SEE ELEVATION 8 / AE211
  - (FL17) FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 2 / AF600
  - (FL18) PAINT WALLS P-1
  - (FL19) PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 4 / AF600
  - (FL20) FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 5 / AF600
  - (FL21) PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 6 / AF600
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

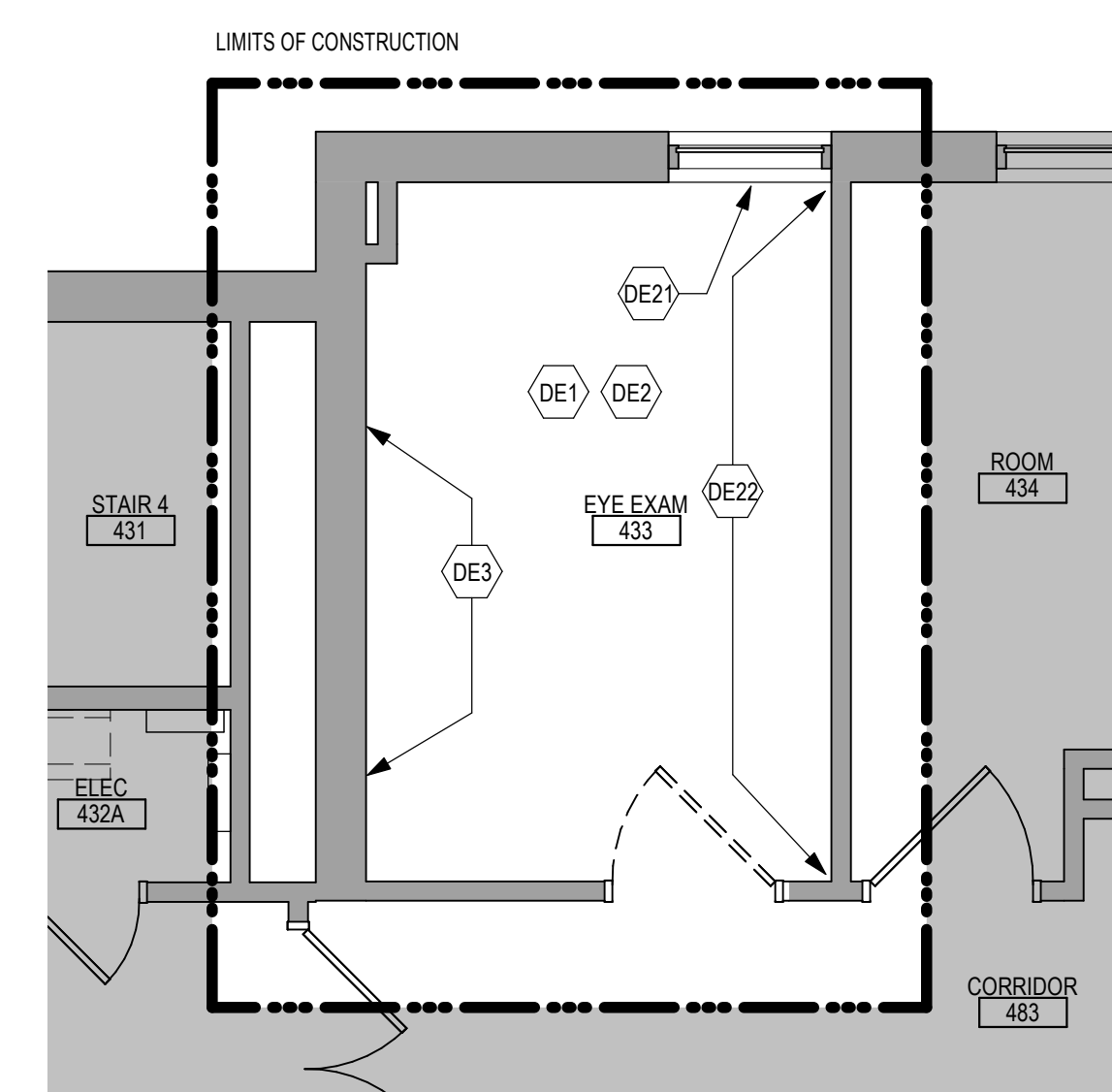
### GENERAL NOTES

1. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS. ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.
2. CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
4. WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATINGS.
5. GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
6. FIREPROOFING SHALL BE UNPIERCED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATINGS, AT THE SUBCONTRACTOR'S EXPENSE.
7. EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY. VERIFY SIZE WITH MANUFACTURER.
8. ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
9. ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
10. VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANEL(S) (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
11. PROVIDE LIMITS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR. VERIFY SIZE AND LOCATION.
12. STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
13. AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4" FRT PLYWOOD BACKING BEHIND ALL SURFACE MOUNTED FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE.
14. CONTRACTOR SHALL EVALUATE INTEGRITY OF ALL PARTITIONS INDICATED BY SYMBOLS ON THE LIFE SAFETY PLANS) WITHIN THE PROJECT SCOPE AND UPGRADE AS REQUIRED. ALL FIRE RESISTIVE RATED WALLS SHALL BE CONSTRUCTED OF MATERIALS / ASSEMBLIES MEETING THE RATING INDICATED. TERMINATE AT THE DECK ABOVE WITH A TESTED HEAD OF WALL ASSEMBLY AND ALL PENETRATIONS SHALL BE SEALED WITH A TESTED ASSEMBLY. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED OF MATERIALS THAT RESIST THE PASSAGE OF SMOKE. TERMINATE AT THE DECK ABOVE WITH A JOINT SEALED WITH FIRE CAULK AND ALL PENETRATIONS SHALL BE SEALED WITH FIRE CAULK.

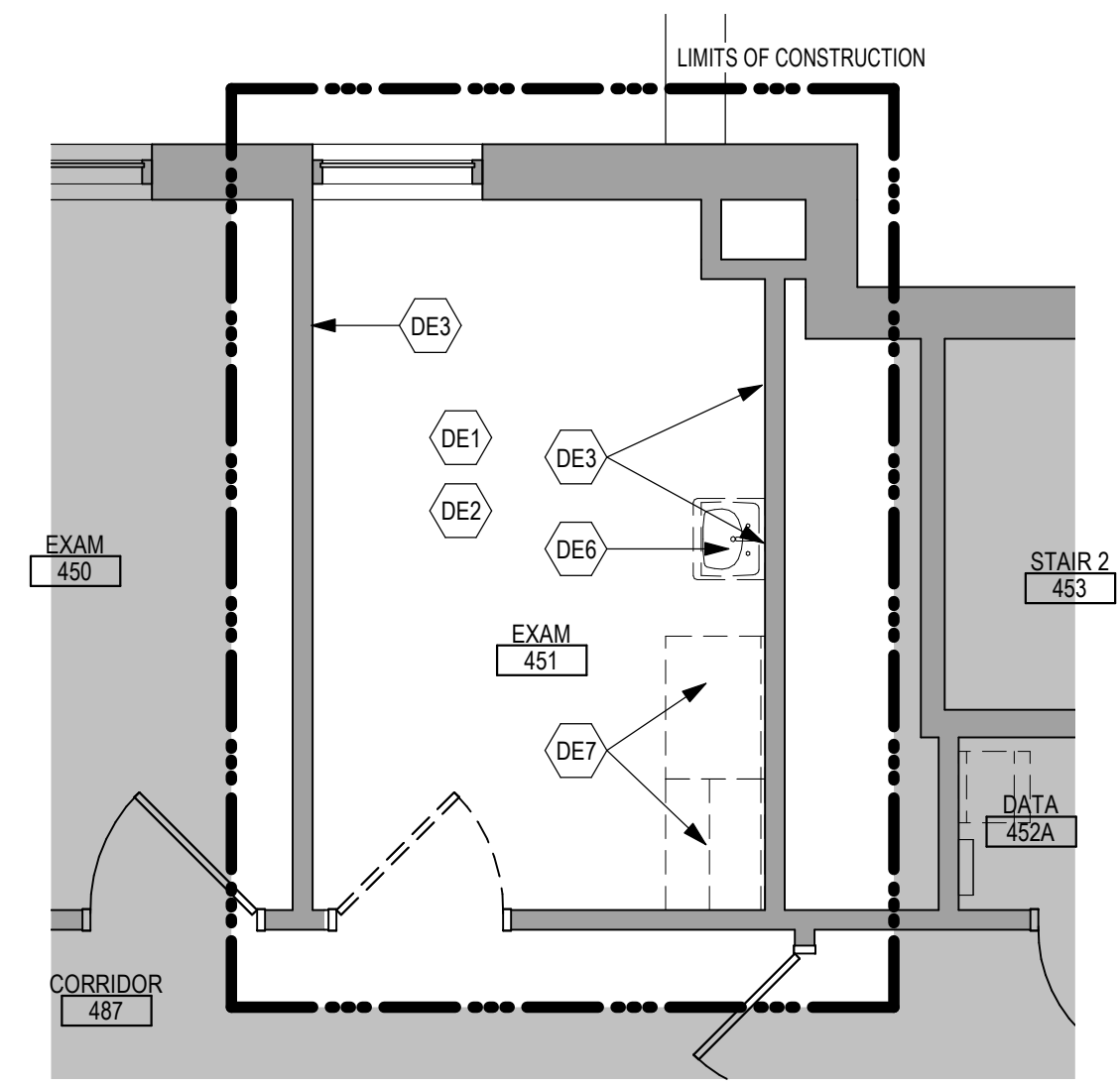
### FLOOR PLAN SYMBOLS

	EXISTING WALL TO REMAIN	8'-0"	DIMENSION LINE, NOMINAL
	WALL	8'-0"	EXTENDED DIMENSION LINE, NOMINAL
	EXISTING DOOR AND FRAME TO REMAIN	1A / AE211	INTERIOR ELEVATION INDICATOR TAG
	DOOR	1A / AE201	EXTERIOR ELEVATION INDICATOR TAG
	INTERIOR BORROWED LIGHT	203	EQUIPMENT TAG
	WALL TAG	100	FLOOR SPOT ELEVATION
	OFFICE ROOM NAME AND NUMBER	1A / AE501	DETAIL REFERENCE TAG
	KEY NOTE		
	INTERIOR SECTION REFERENCE TAG	1A / AE201	EXTERIOR SECTION REFERENCE TAG
	REVISION TAG		REVISION CLOUD
	GRIDLINE	99.3	SIGN TAG

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN



4 ENLARGED DEMOLITION PLAN - EYE EXAM 433  
1/4" = 1'-0"



5 ENLARGED DEMOLITION PLAN - EXAM 451  
1/4" = 1'-0"

### DEMOLITION PLAN SYMBOLS

	EXISTING WALL TO REMAIN		EXISTING DOOR AND FRAME TO REMAIN
	WALL OR PARTITION TO BE REMOVED		EXISTING DOOR AND FRAME TO BE DEMOLISHED
	DASHED LINE INDICATES ITEM TO BE REMOVED (UNO)		KEY NOTE
	GRIDLINE		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

NOTE: COORDINATE GENERAL DEMOLITION WORK WITH ABATEMENT AND REMEDIATION WORK.

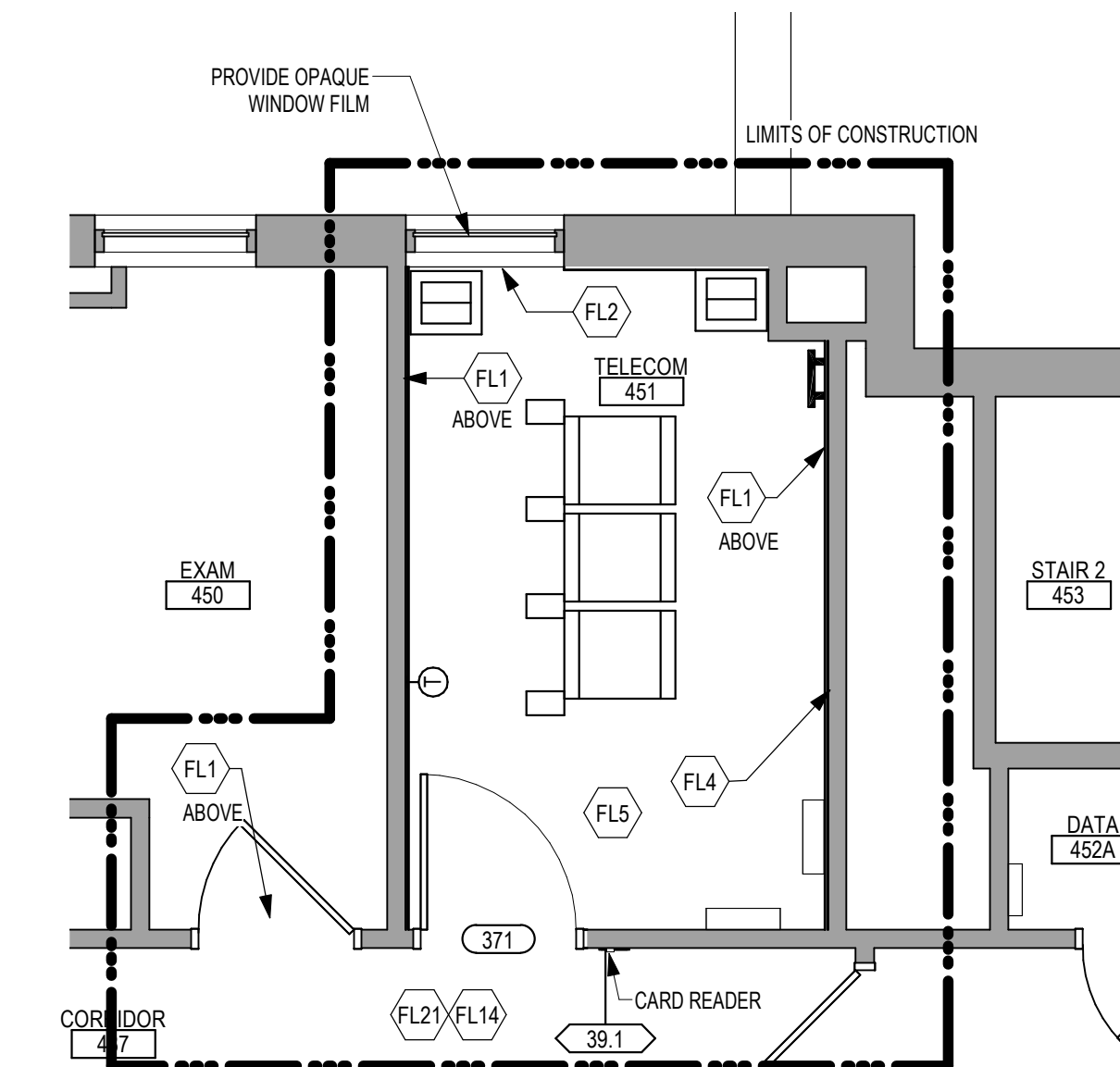
### DEMOLITION GENERAL NOTES

1. GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK, PHASING AND SEQUENCING WITH THE OWNER. ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THESE DOCUMENTS IS FOR ARCHITECT - OWNER PLANNING PURPOSES ONLY, UNLESS NOTED OTHERWISE.
2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES FOR THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
3. WHERE PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE PARTITION ALONG WITH ALL ITEMS CONTAINED WITHIN, INCLUDING DOORS, FRAMES, HARDWARE, SHELVEYS, WINDOWS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
4. WHERE FLOOR FINISH IS INDICATED TO BE DEMOLISHED, REMOVE FINISH TO FLOOR SLAB AS REQUIRED AND PREPARE SLAB SURFACE FOR SCHEDULED FINISHES WITHIN AREA TO BE DEMOLISHED, UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE FOR EXISTING FLOOR FINISHES TO REMAIN UNDISTURBED.
5. WHERE CEILING IS INDICATED TO BE DEMOLISHED, REMOVE CEILING SUSPENSION SYSTEM ALONG WITH ALL ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS, UNLESS NOTED OTHERWISE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF CONDUIT, PIPING AND DUCTWORK DEMOLITION WITHIN AREA TO BE REMODELED.
6. WHERE INDICATED, REMOVE ALL WALL/PARTITION EXISTING FINISHES AND PREPARE THE SURFACES FOR SCHEDULED FINISHES. SEE FINISH SCHEDULE FOR FINISHES.
7. ALL DISTURBED AREAS, WALLS, PARTITIONS, FLOORS, ETC, DAMAGED BY DEMOLITION WORK SHALL BE PATCHED TO MATCH ADJACENT AREA.
8. OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL SALVAGED ITEMS SUCH AS: DOORS, LIGHT FIXTURES, PLUMBING FIXTURES ETC.
9. SALVAGED ITEMS SCHEDULED FOR REUSE SHALL BE CLEANED, RESTORED AND/OR REFINISHED TO LIKE NEW CONDITION, UNLESS NOTED OTHERWISE.
10. DO NOT REMOVE ANY EXISTING STRUCTURAL SUPPORT MEMBERS SUCH AS COLUMNS, BEAMS, JOISTS, LOAD-BEARING PARTITIONS ETC. UNTIL ADEQUATE PERMANENT OR TEMPORARY SUPPORT IS IN PLACE. ALL EXISTING STRUCTURAL MEMBERS SHALL BE ADEQUATELY PROTECTED. COORDINATE WITH STRUCTURAL ENGINEER.
11. SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION AND PREP WORK.
12. WALL AND CEILING MOUNTED ITEMS SHOWN DASHED, SUCH AS WALL CABINETS, SHELVEYS, CUBICLE CURTAIN TRACKS, PROJECTION SCREENS ETC, SHALL BE REMOVED, UNLESS NOTED OTHERWISE.
13. WITHIN ALL EXISTING ROOMS/SPACES RECEIVING SCHEDULED FLOOR, OR WALL, OR CEILING FINISHES, REMOVE ALL EXISTING FLOOR, OR WALL, OR CEILING FINISHES DOWN TO THE SUBSTRATE. INCLUDE THE REMOVAL OF ALL ITEMS LOCATED WITHIN THE EXISTING FINISH REMOVALS UNO PATCH AND PREP ALL SUBSTRATES TO RECEIVE SCHEDULED FINISHES. FOR ADDITIONAL INFORMATION, SEE KEYNOTED ITEMS, FINISH PLANS AND/OR SCHEDULES. STRUCTURAL, MECHANICAL AND ELECTRICAL.
14. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS. ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.

### DEMOLITION PLAN KEYED NOTES

- (DE1) REMOVE FLOOR FINISH IN ITS ENTIRETY. PATCH & PREP FLOOR FOR SCHEDULED FINISH. SEE SPECIFICATION SECTION 09 05 16 SUBSURFACE PREPARATION FOR FLOOR FINISHES
  - (DE2) REMOVE CEILING IN ITS ENTIRETY, INCLUDING ALL MECHANICAL & ELECTRICAL ITEMS. SEE MECHANICAL / ELECTRICAL
  - (DE3) REMOVE GYP BD ON ONE SIDE OF PARTITION AS REQUIRED. SEE PLANS AND MECHANICAL / ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
  - (DE4) CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF DOOR AND FRAME AS SCHEDULED. SEE PLAN
  - (DE5) REMOVE PORTION OF CEILING AS REQUIRED. SEE PLANS FOR ADDITIONAL INFORMATION
  - (DE6) REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED PIPING. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION
  - (DE7) REMOVE BASE CABINETS, UPPER CABINETS, TALL CABINETS AND/ OR COUNTERTOP
  - (DE8) REMOVE CEILING IN THIS AREA AS REQUIRED FOR MEP WORK. SALVAGE CEILING WHERE APPROPRIATE FOR REINSTALLATION. SEE PLANS FOR ADDITIONAL WORK
  - (DE9) REMOVE CONDUITS THROUGH FLOOR. SEE PLAN FOR ADDITIONAL INFORMATION
  - (DE10) REMOVE PARTITION MOUNTED MIRROR AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION
  - (DE11) REMOVE SURFACE MOUNTED PLYWOOD. TEMPORARILY SUPPORT ANY EQUIPMENT. SEE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION
  - (DE12) REMOVE COVED CONCRETE BASE AT PARTITION.
  - (DE13) REMOVE PREMANUFACTURED PLASTIC LOCKER(S). SALVAGE FOR REINSTALLATION
  - (DE14) REMOVE RAISED FLOOR SYSTEM IN ITS ENTIRETY AND METAL RAMP
  - (DE15) REMOVE PORTION OF MEMBRANE ROOFING SYSTEM. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION
  - (DE16) REMOVE PORTION OF MEMBRANE ROOFING SYSTEM. IN PREPARATION FOR RESLOPING AND REROOFING. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION
  - (DE17) REMOVE ROOF DRAIN AND ASSOCIATED PIPING. SEE MECHANICAL FOR ADDITIONAL INFORMATION
  - (DE18) not used
  - (DE19) CUT OPENING IN BRICK AND METAL STUD BACK UP WALL FOR DOOR AND FRAME AS SCHEDULED. SEE FLOOR PLAN FOR ADDITIONAL INFORMATION
  - (DE20) REMOVE PARTIAL HEIGHT CERAMIC TILE AT SINK
  - (DE21) REMOVE METAL RADIATOR COVER
  - (DE22) REMOVE SURFACE APPLIED WALL COVERING, TRIM, VINYL BASE AND / OR CRASH / HAND RAIL AS NEEDED.
  - (DE23) REMOVE DOOR, FRAME AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION. SEE PLAN
  - (DE24) REMOVE ALUMINUM WINDOW SYSTEM AND ALL ASSOCIATED HARDWARE. REMOVE CAST STONE SILL, EXTERIOR, AND SOLID SURFACE SILL, INTERIOR.
  - (DE25) CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF EDGE ILLUMINATED PHOTO MURALS
  - (DE26) SAW CUT FACE BRICK AND REMOVE PORTION OF WALL. SEE PLAN FOR ADDITIONAL INFORMATION
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

1 ENLARGED PLAN - TELECOM 433 - BUILDING 5  
1/4" = 1'-0"



2 ENLARGED PLAN - TELECOM 451 - BUILDING 5 - AREA B  
1/4" = 1'-0"

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Revisions:	Date:

CONSULTANT

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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title

**FOURTH LEVEL ENLARGED DEMOLITION & FLOOR PLANS - BUILDING 5**

Approved:

Phase

**BID DOCUMENTS**

FULLY SPRINKLERED

Project Title

**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location

Sioux Falls, SD

Issue Date

07/06/2021

Checked

Checker

Drawn

Author

Project Number

438-20-910

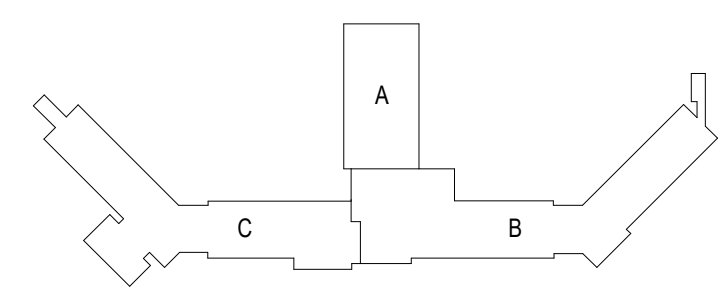
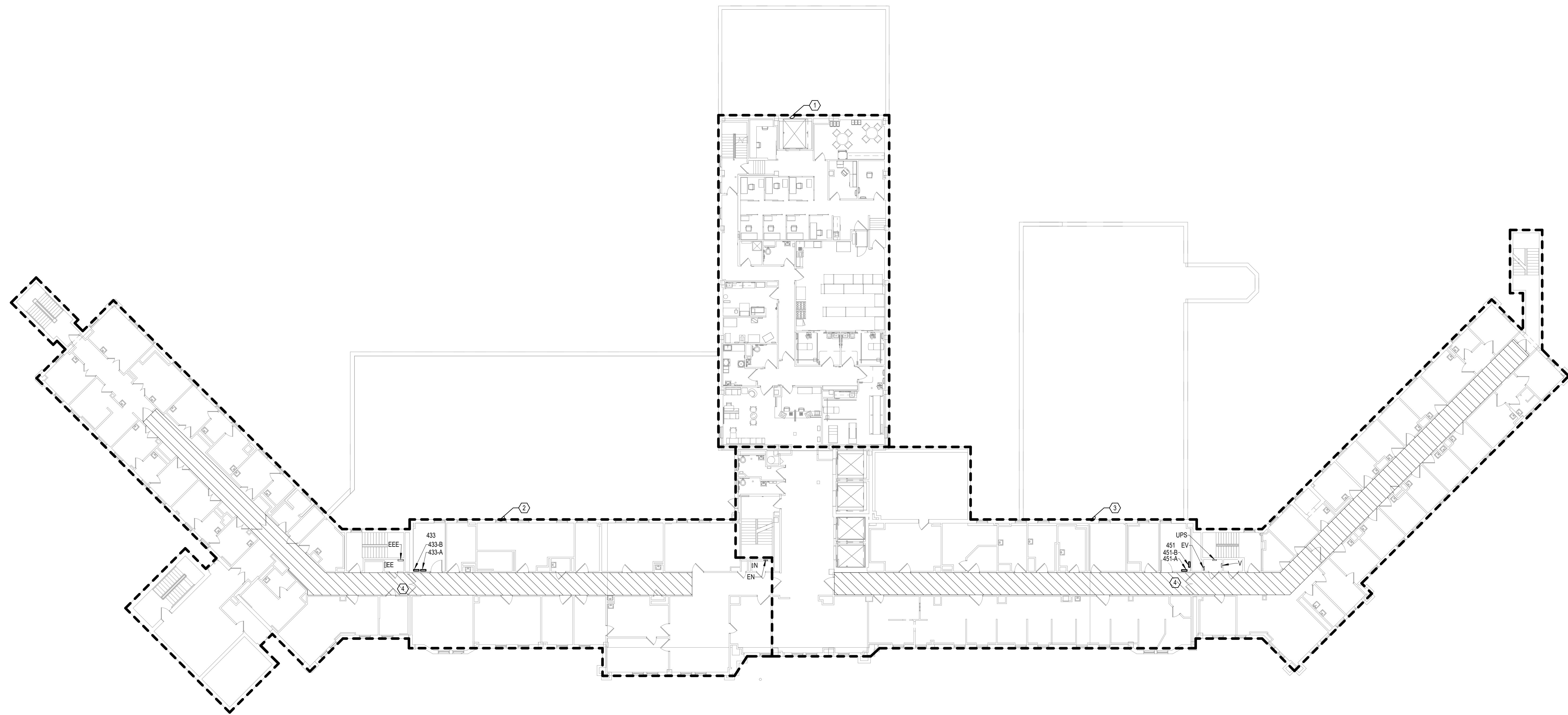
Building Number

5

Drawing Number

AE141.1-05

- SHEET NOTES:**
1. AREA WILL BE RENOVATED IN A FUTURE PROJECT. NO RECABLING IS ANTICIPATED IN THIS AREA.
  2. RECABLE ALL CABLES IN THIS AREA TO ROOM 433.
  3. RECABLE ALL CABLES IN THIS AREA TO ROOM 451.
  4. ROUTE NEW CABLING IN EXISTING CABLE TRAY IN THIS AREA.



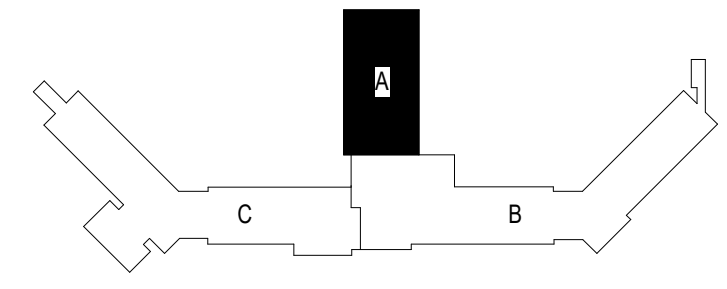
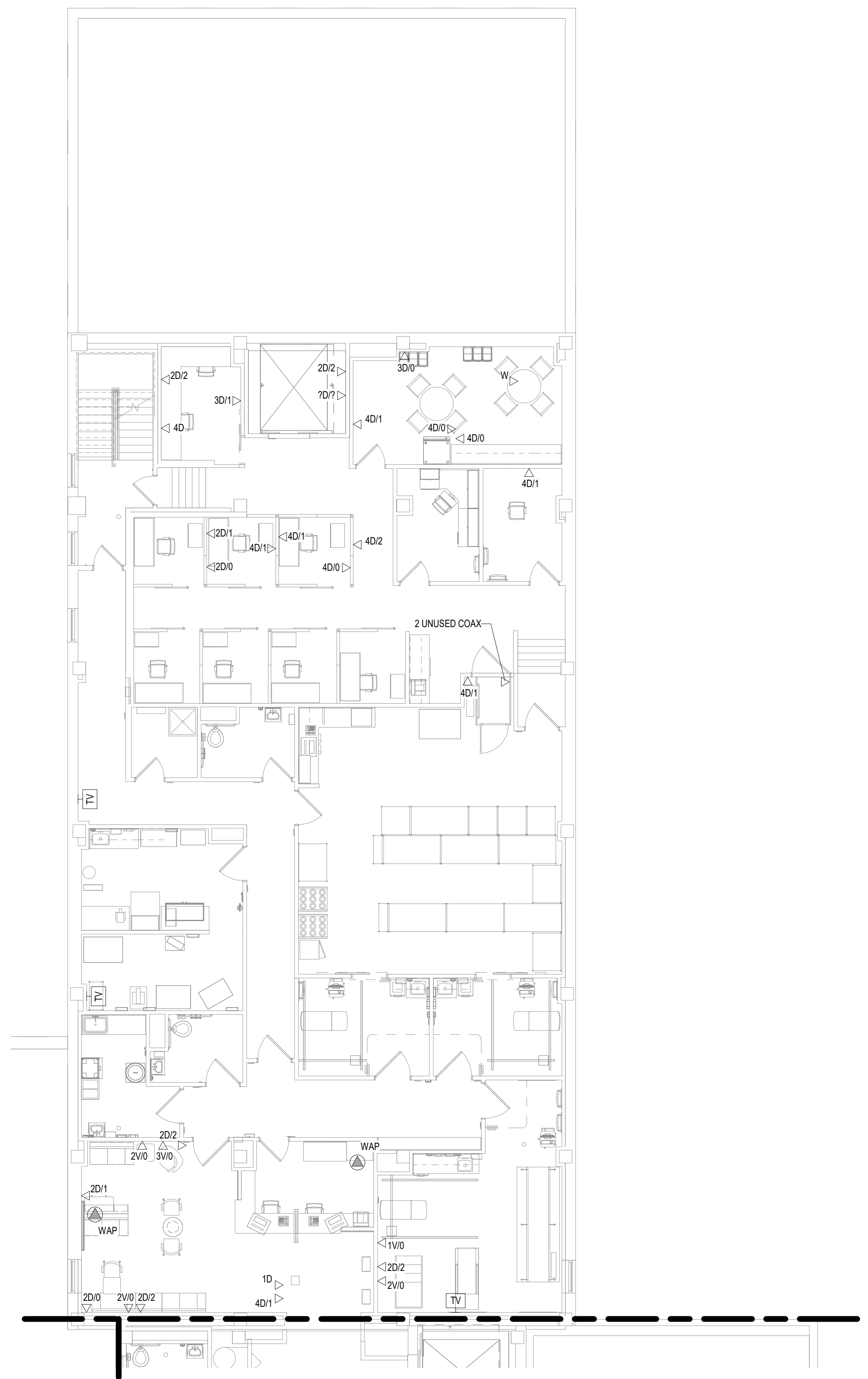
**KEYPLAN**

1 FOURTH LEVEL ELECTRICAL FLOOR PLAN - BUILDING 5 - OVERALL  
1/16" = 1'-0"

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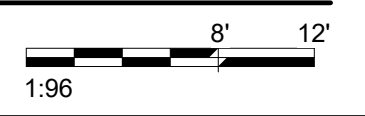
Revisions:	Date:

<b>CONSULTANT</b> 		<b>ARCHITECT/ENGINEER OF RECORD</b> 		<b>STAMP</b> 	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title <b>FOURTH LEVEL OVERALL FLOOR PLAN - BUILDING 5</b> Approved:	Phase <b>BID DOCUMENTS</b> <b>FULLY SPRINKLERED</b>	Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b> Location Sioux Falls, SD Issue Date 07/06/2021	Project Number 438-20-910 Building Number 5 Drawing Number <b>EE141-05</b>
 <b>SPECIALIZED ENGINEERING SOLUTIONS</b> <small>10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com</small>		<b>ANDERSON</b> <small>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 # 16090</small>		<small>REGISTERED COMMUNICATIONS DISTRIBUTION Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23</small> 	<b>VA</b> U.S. Department of Veterans Affairs	Checked KSB Drawn NMT	Issue Date 07/06/2021	Project Number 438-20-910 Building Number 5 Drawing Number <b>EE141-05</b>	



**KEYPLAN**

1 FOURTH LEVEL ELECTRICAL DEMOLITION PLAN - BUILDING 5 - AREA A  
1/8" = 1'-0"



Revisions:	Date:


**CONSULTANT**




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**STAMP**



Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title  
**FOURTH LEVEL ELECTRICAL DEMOLITION PLAN - BUILDING 5 - AREA A**

Approved: \_\_\_\_\_

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

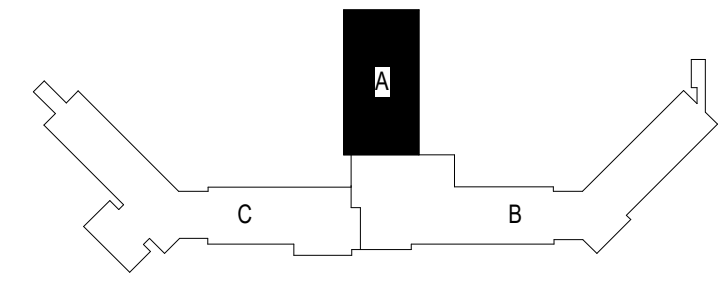
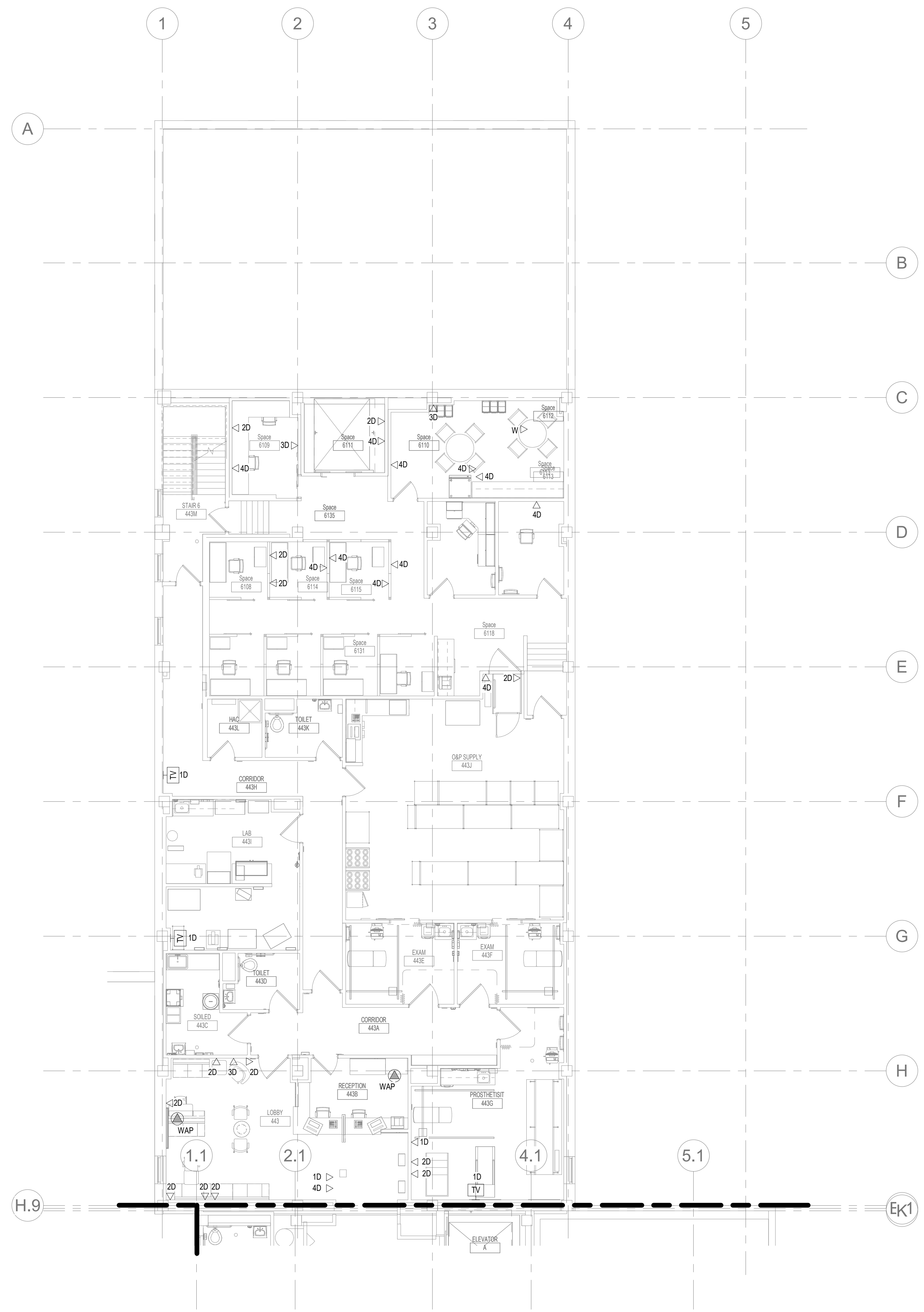
Drawn  
NMT

Project Number  
438-20-910

Building Number  
5

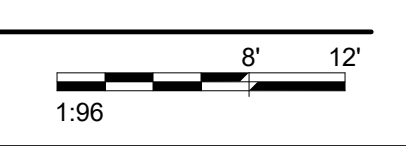
Drawing Number  
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# KEYPLAN

**1** FOURTH LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 5 - AREA A  
1/8" = 1'-0"



INSTALL GREEN INSULATED GROUND WIRE WITH LIGHTING, RECEPTACLE AND EQUIPMENT BRANCH CIRCUITS.

INSTALL INDIVIDUAL (DEDICATED) NEUTRAL CONDUCTORS FOR EACH 120V OR 277V PHASE CONDUCTOR SERVED FROM A SINGLE POLE CIRCUIT BREAKER.

Revisions:	Date:

<b>CONSULTANT</b> 		<b>ARCHITECT/ENGINEER OF RECORD</b>  13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000   F 763.412.4090   e-mn.com Anderson Engineering of Minnesota, LLC   Proj # 16090		<b>STAMP</b>  Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 RCSD	<b>Office of Construction and Facilities Management</b> U.S. Department of Veterans Affairs	Drawing Title <b>FOURTH LEVEL LOW VOLTAGE PLAN - BUILDING 5 - AREA A</b> Approved:	Phase <b>BID DOCUMENTS</b> <b>FULLY SPRINKLERED</b>	Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b>	Location Sioux Falls, SD	Issue Date 07/06/2021	Checked KSB	Drawn NMT	Project Number 438-20-910 Building Number 5 Drawing Number <b>TN141-05-A</b>
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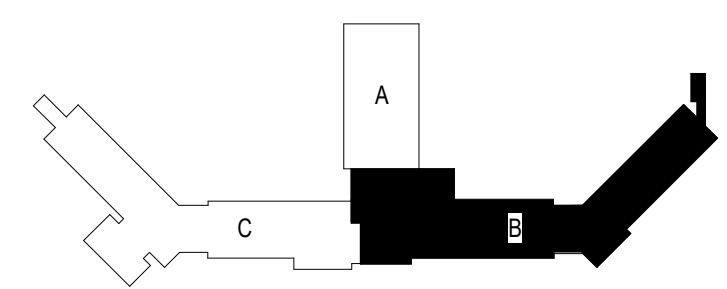
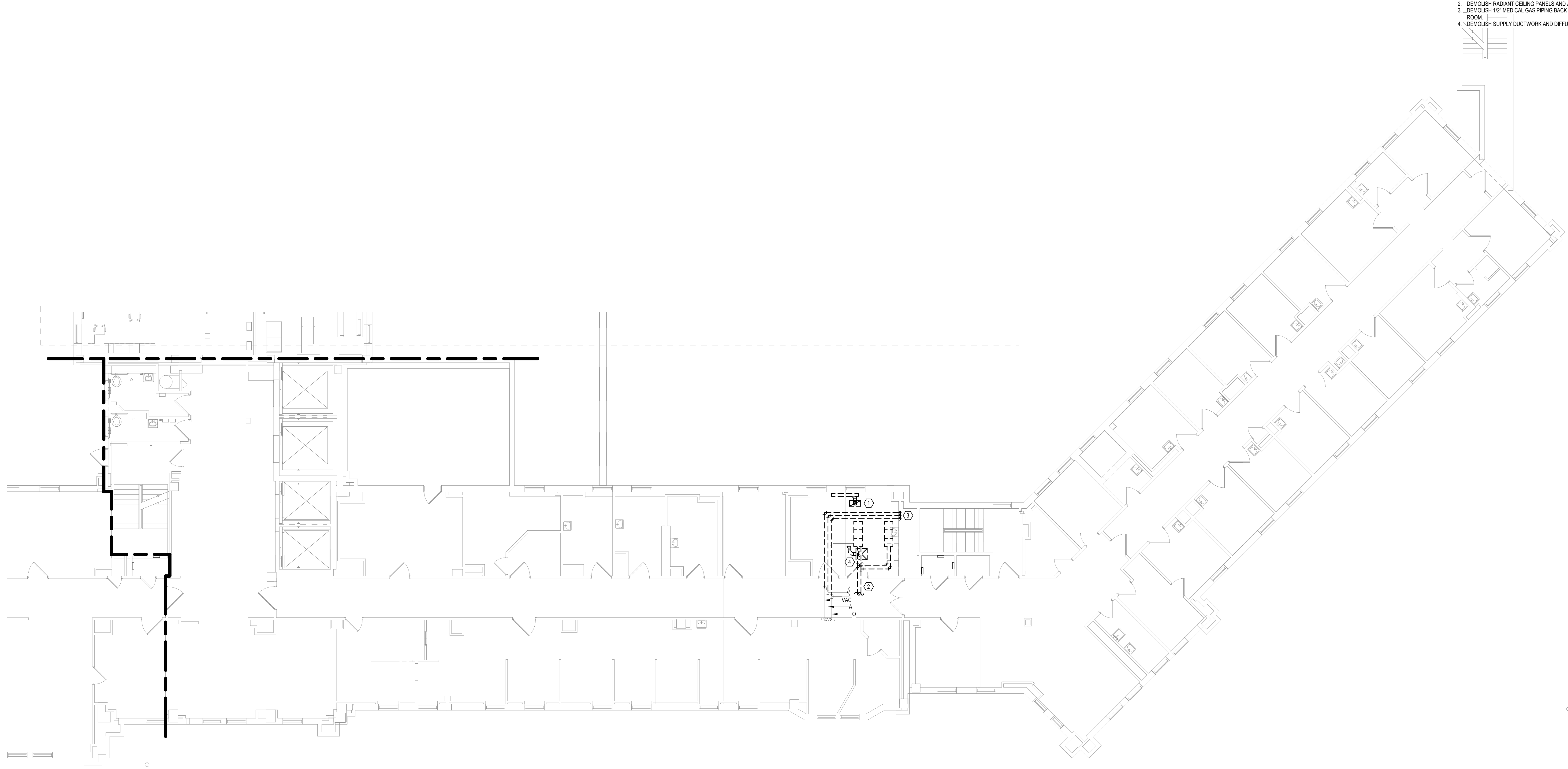


**GENERAL NOTES:**

- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
- ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
- UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
- THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

**SHEET NOTES:**

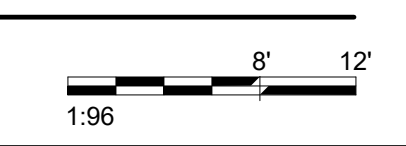
- DEMOLISH RETURN AIR GRILLE AND ASSOCIATED DUCTWORK BACK TO MAIN AND CAP.
- DEMOLISH RADIANT CEILING PANELS AND ASSOCIATED HWHR PIPING BACK TO MAINS AND CAP.
- DEMOLISH 1/2" MEDICAL GAS PIPING BACK TO MAINS AND CAP. DEMOLISH MEDICAL GAS OUTLETS IN EXAM ROOM.
- DEMOLISH SUPPLY DUCTWORK AND DIFFUSER BACK TO MAIN AND CAP.



**KEYPLAN**

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**1** FOURTH LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"



Revisions:	Date:

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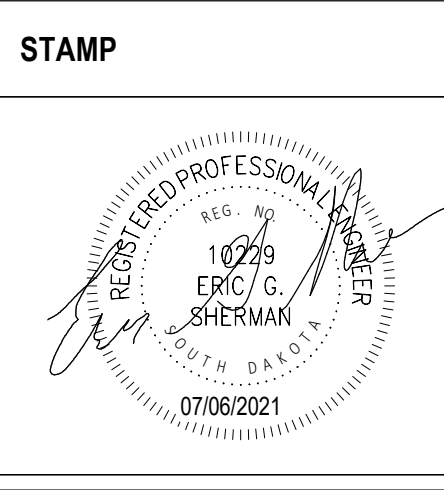

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Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title

**FOURTH LEVEL MECHANICAL DEMOLITION PLAN - BUILDING 5 - AREA B**

Approved:

Phase

**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title

**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location

Sioux Falls, SD

Issue Date

07/06/2021

Checked

EGS

Drawn

PHV

Project Number

438-20-910

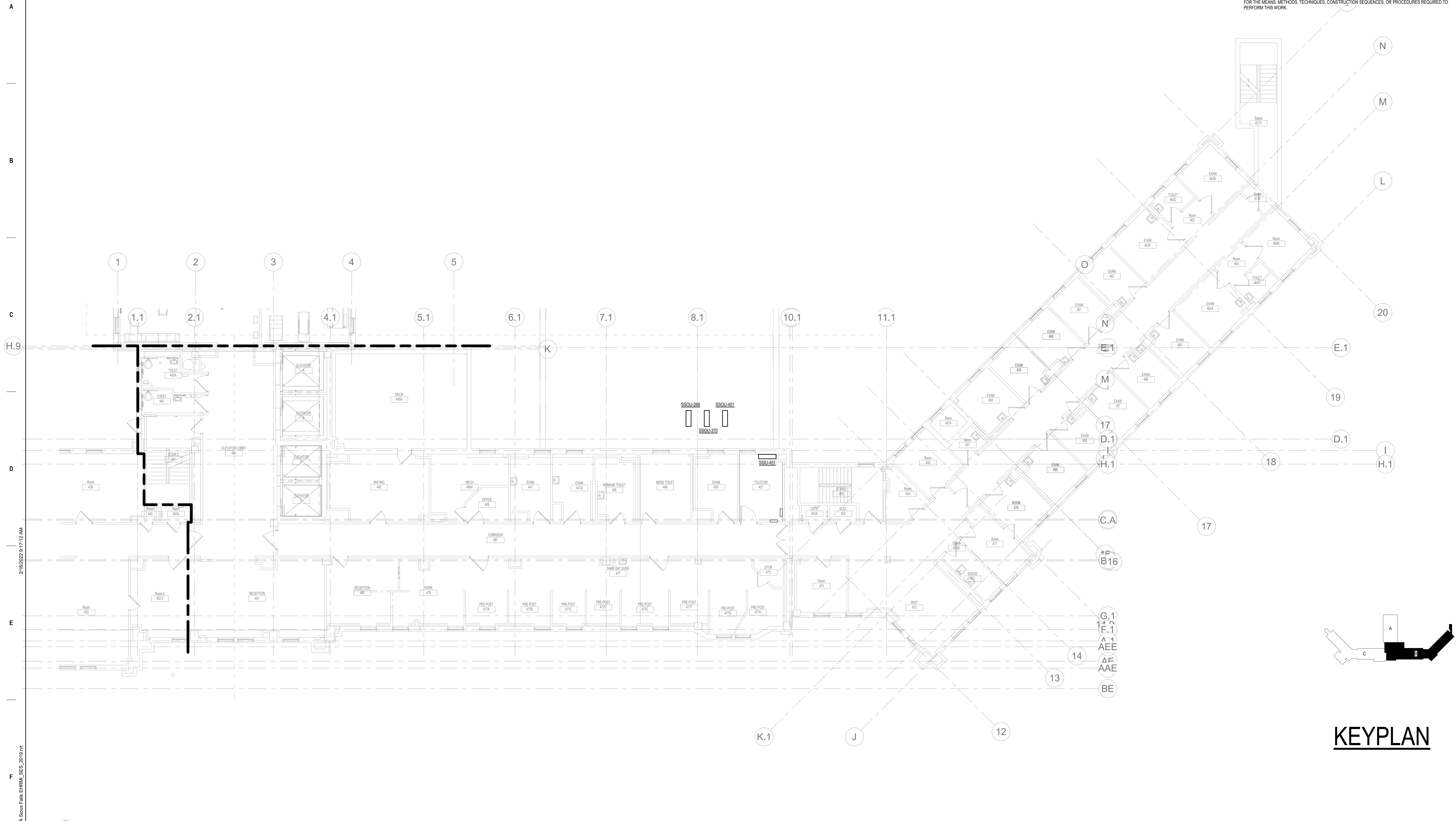
Building Number

5

Drawing Number

MD141-05-B

- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
  - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
  - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
  - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.



**KEYPLAN**

**1** FOURTH LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"

Revisions:	Date:


**CONSULTANT**




**SPECIALIZED ENGINEERING SOLUTIONS**

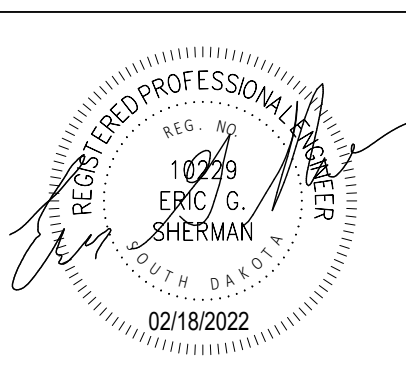
10360 Ellison Circle  
Omaha, NE 68134  
Phone: 402.991.5320  
www.specializedeng.com

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Anderson Engineering of Minnesota, LLC | Proj # 16090

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Office of Construction and Facilities Management



Drawing Title  
**FOURTH LEVEL DUCTWORK PLAN - BUILDING 5 - AREA B**

Approved: \_\_\_\_\_

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
02/18/2022

Checked  
EGS

Drawn  
PHV

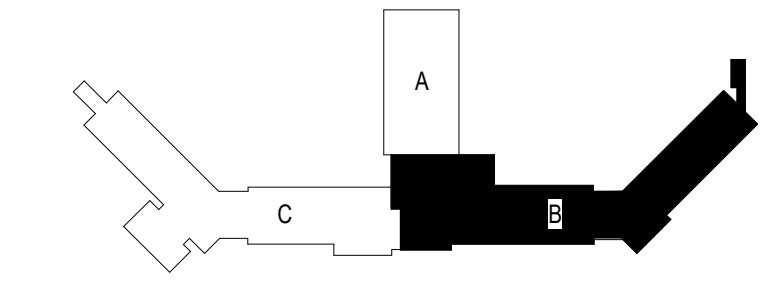
Project Number  
438-20-910

Building Number  
5

Drawing Number  
MH141-05-B

2/18/2022 8:17:12 AM  
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- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
  - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
  - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
  - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.



**KEYPLAN**

7/6/2021 1:55:41 PM  
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**1** FOURTH LEVEL PIPING FLOOR PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"


Revisions:	Date:

**CONSULTANT**



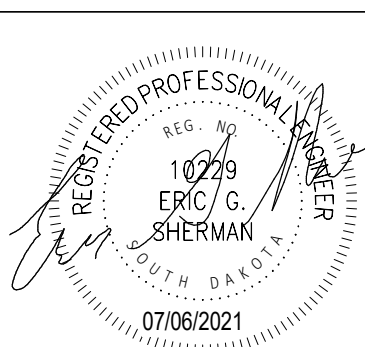

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**Office of Construction and Facilities Management**



Drawing Title  
**FOURTH LEVEL PIPING FLOOR PLAN - BUILDING 5 - AREA B**

Approved: \_\_\_\_\_

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

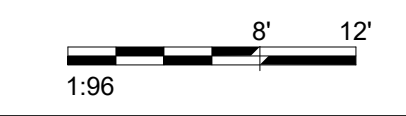
Checked  
EGS

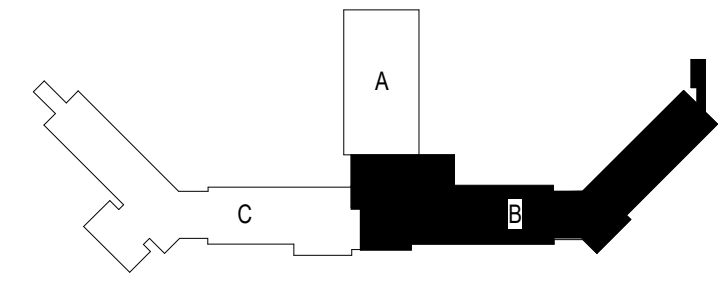
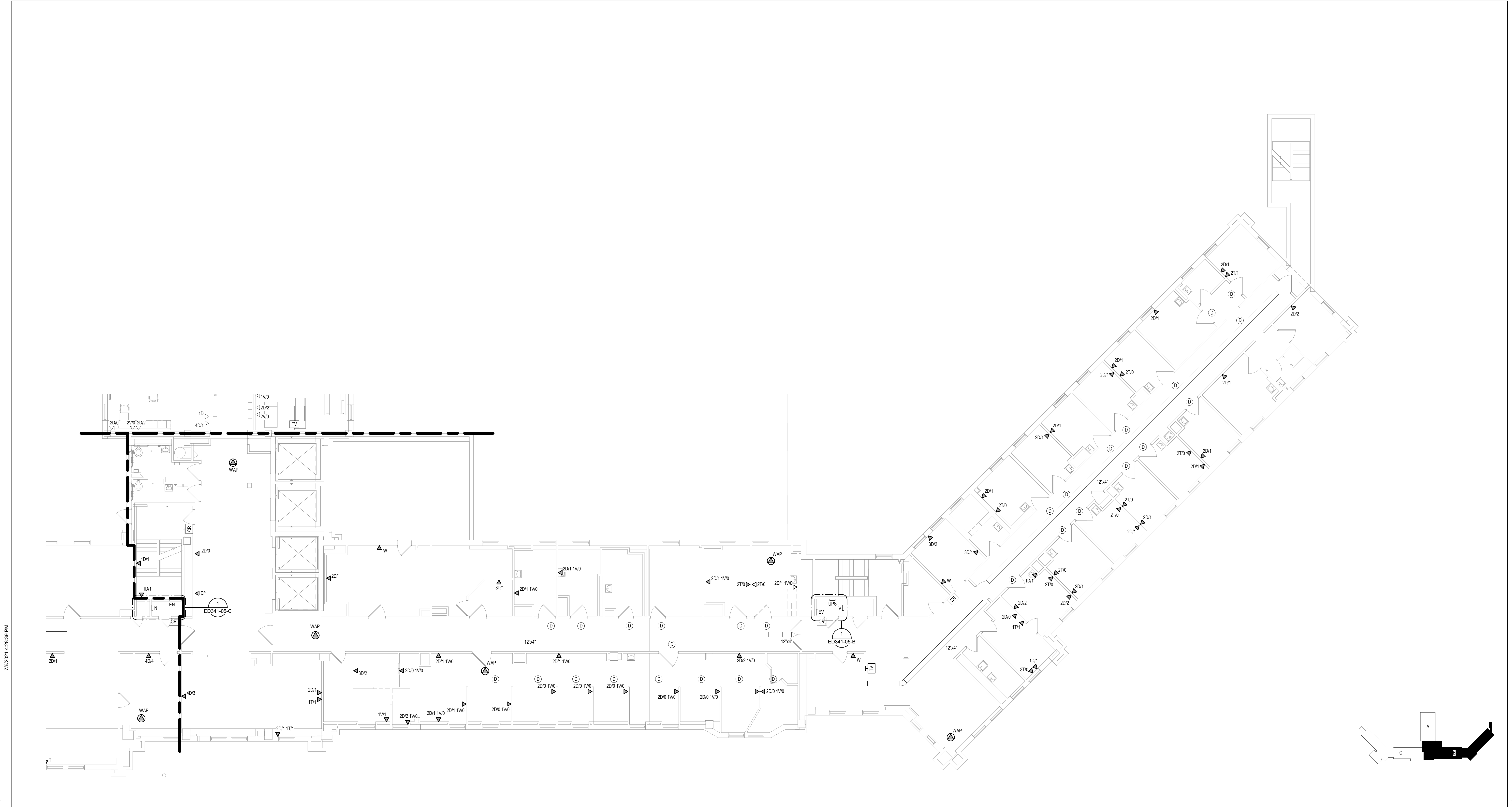
Drawn  
PHV

Project Number  
438-20-910

Building Number  
5

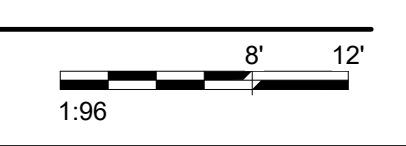
Drawing Number  
MP141-05-B





**KEYPLAN**

1 FOURTH LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"



Revisions:	Date:


CONSULTANT




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Office of Construction and Facilities Management



Drawing Title

**FOURTH LEVEL ELECTRICAL DEMOLITION PLAN - BUILDING 5 - AREA B**

Approved:

Phase

**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title

**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location

Sioux Falls, SD

Issue Date

07/06/2021

Checked

KSB

Drawn

NMT

Project Number

438-20-910

Building Number

5

Drawing Number

**ED141-05-B**



A  
B  
C  
D  
E  
F

**CABLING NOTES:**

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

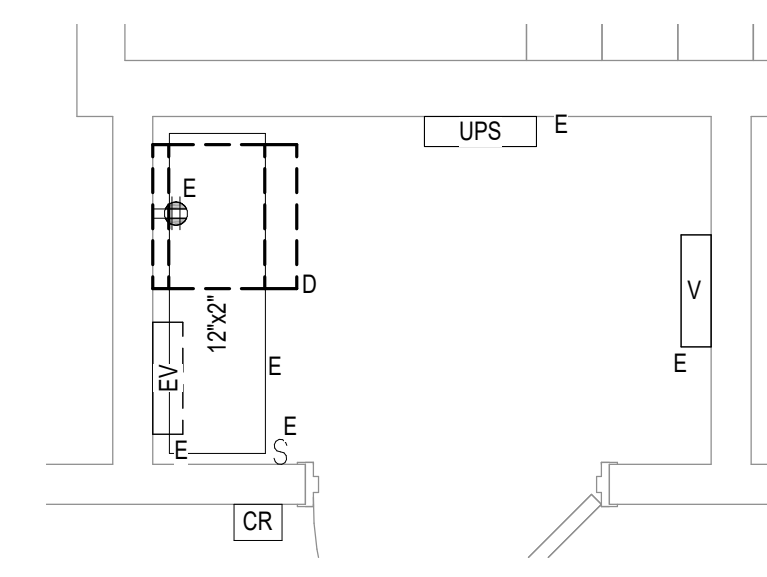
1. ROOM 452A

EXISTING CABLE COUNT  
DATA (CAT5): 98  
DATA (CAT5): 28  
VIDEO: 10  
PATIENT MONITORING: 0  
COMMERCIAL WIRELESS: 1

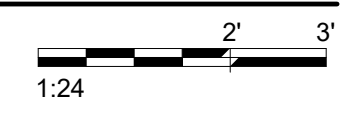
CABLE RELOCATION COUNT  
DATA (CAT5): -98 TO ROOM 451  
DATA (CAT5): -28 TO ROOM 451  
VIDEO: -10 TO ROOM 451  
PATIENT MONITORING: 0  
COMMERCIAL WIRELESS: -1 TO ROOM 451

EXISTING CABLE TO REMAIN  
DATA (CAT5): 0  
VIDEO: 0  
PATIENT MONITORING: 0  
COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT  
DATA (CAT5): 0  
VIDEO: 0  
PATIENT MONITORING: 0  
COMMERCIAL WIRELESS: 0



**1** FOURTH LEVEL ELECTRICAL DEMOLITION - BUILDING 5 - AREA B - ROOM 452A  
1/2" = 1'-0"

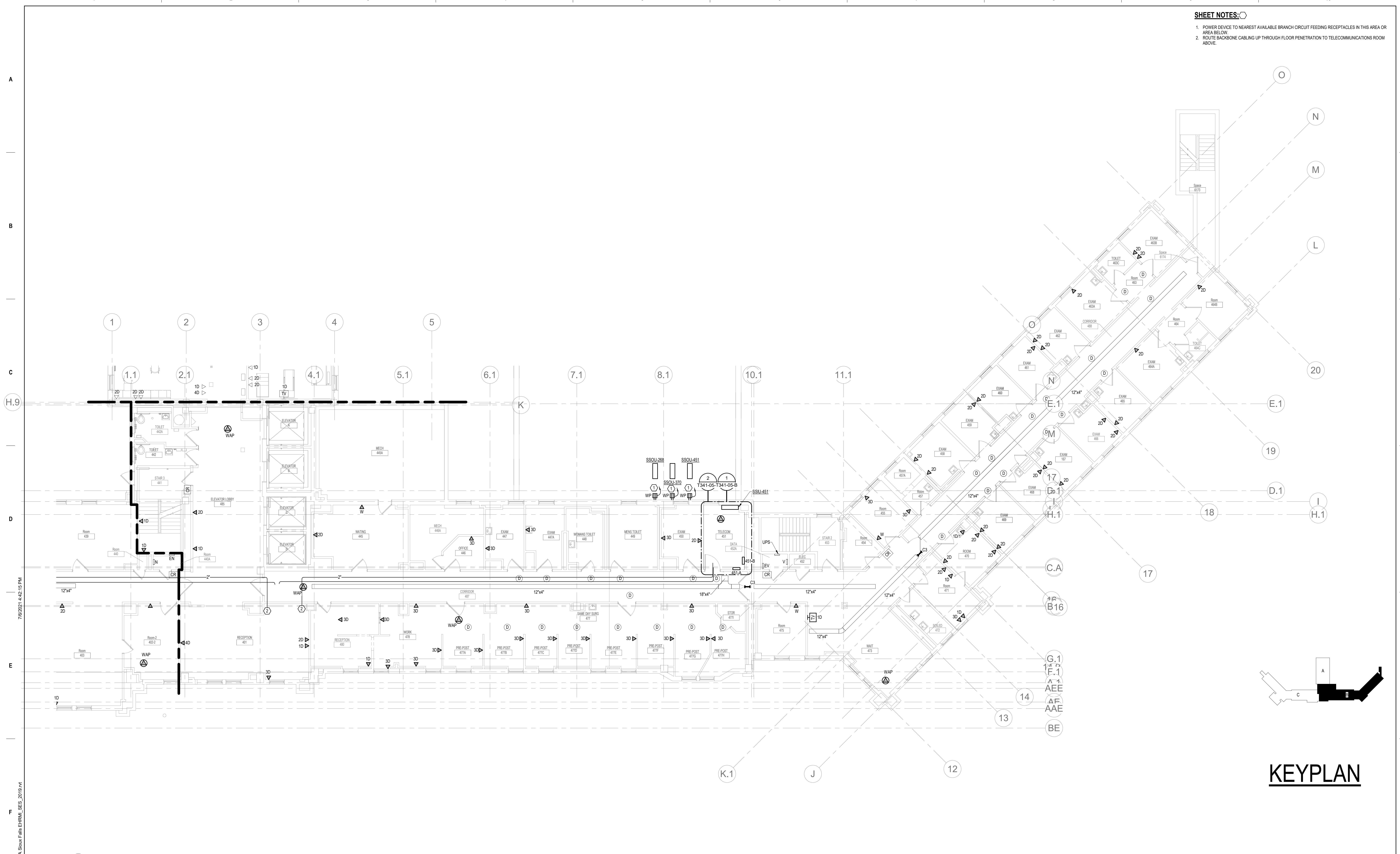


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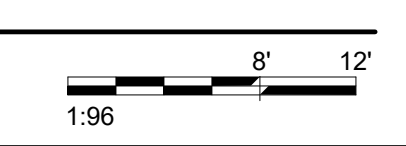
Revisions:	Date:

<b>CONSULTANT</b> 		<b>ARCHITECT/ENGINEER OF RECORD</b> 		<b>ARCHITECT/ENGINEER OF RECORD</b> 		<b>STAMP</b> 	<b>Office of Construction and Facilities Management</b> 	<b>Drawing Title</b> FOURTH FLOOR ELECTRICAL DEMOLITION - BUILDING 5 - ENLARGED ROOMS - AREA B <b>Approved:</b>	<b>Phase</b> BID DOCUMENTS FULLY SPRINKLERED	<b>Project Title</b> VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES <b>Location</b> Sioux Falls, SD <b>Issue Date</b> 07/06/2021	<b>Project Number</b> 438-20-910 <b>Building Number</b> 5 <b>Drawing Number</b> ED341-05-B
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- SHEET NOTES:**
- POWER DEVICE TO NEAREST AVAILABLE BRANCH CIRCUIT FEEDING RECEPTACLES IN THIS AREA OR AREA BELOW.
  - ROUTE BACKBONE CABLING UP THROUGH FLOOR PENETRATION TO TELECOMMUNICATIONS ROOM ABOVE.



**1** FOURTH LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 5 - AREA B  
1/8" = 1'-0"



Revisions:	Date:

<b>CONSULTANT</b> 	<b>ARCHITECT/ENGINEER OF RECORD</b>  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 # 16090	<b>STAMP</b>  Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 REGISTERED COMMUNICATIONS DISTRIBUTION	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title <b>FOURTH LEVEL LOW VOLTAGE PLAN - BUILDING 5 - AREA B</b>	Phase <b>BID DOCUMENTS</b>	Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b>	Project Number <b>438-20-910</b>
				Approved:	Fully Sprinklered	Location Sioux Falls, SD	Building Number <b>5</b>
Date:	Date:	Date:	Date:	Issue Date 07/06/2021	Checked KSB	Drawn NMT	Drawing Number <b>TN141-05-B</b>

**CABLING NOTES:**

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

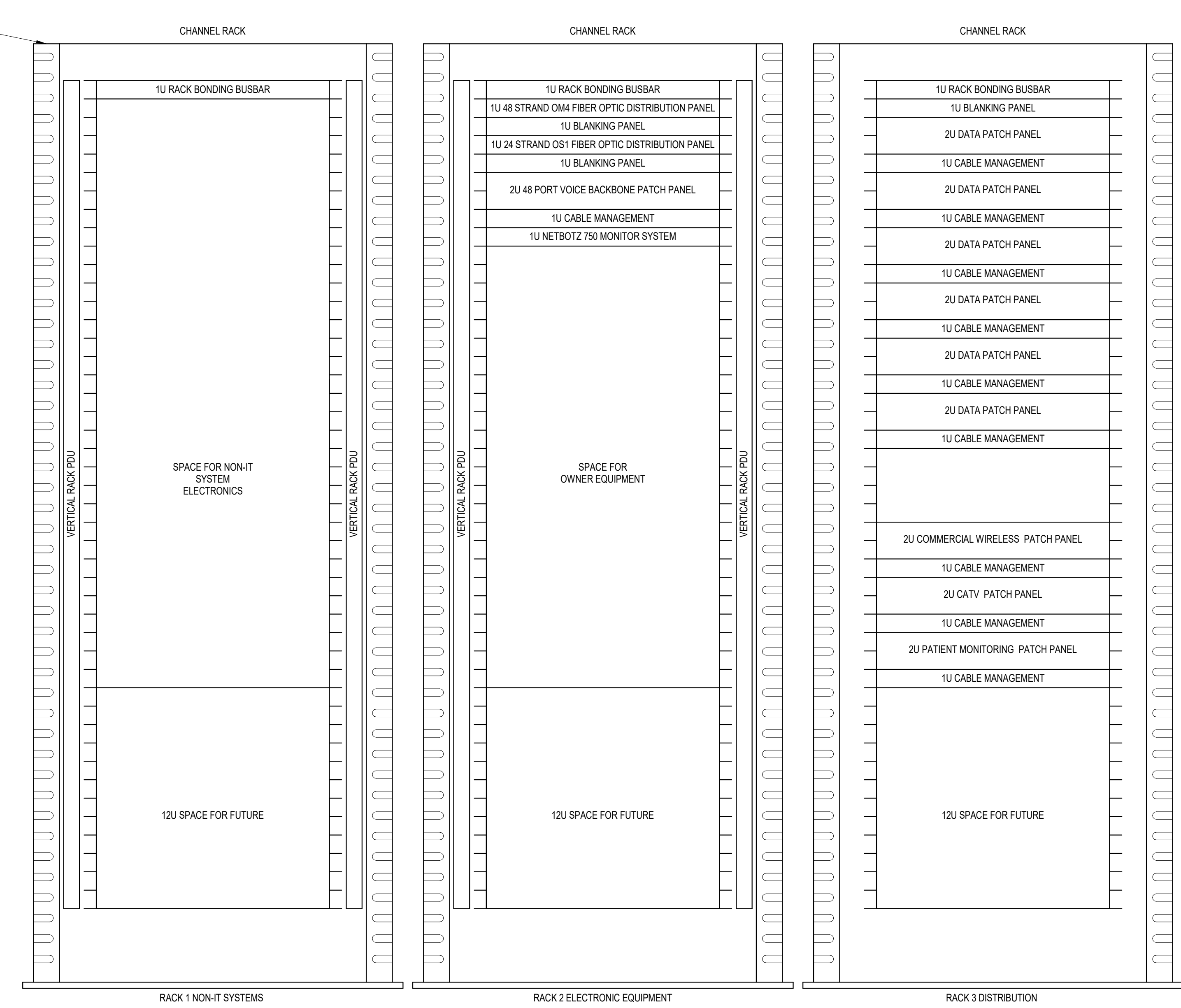
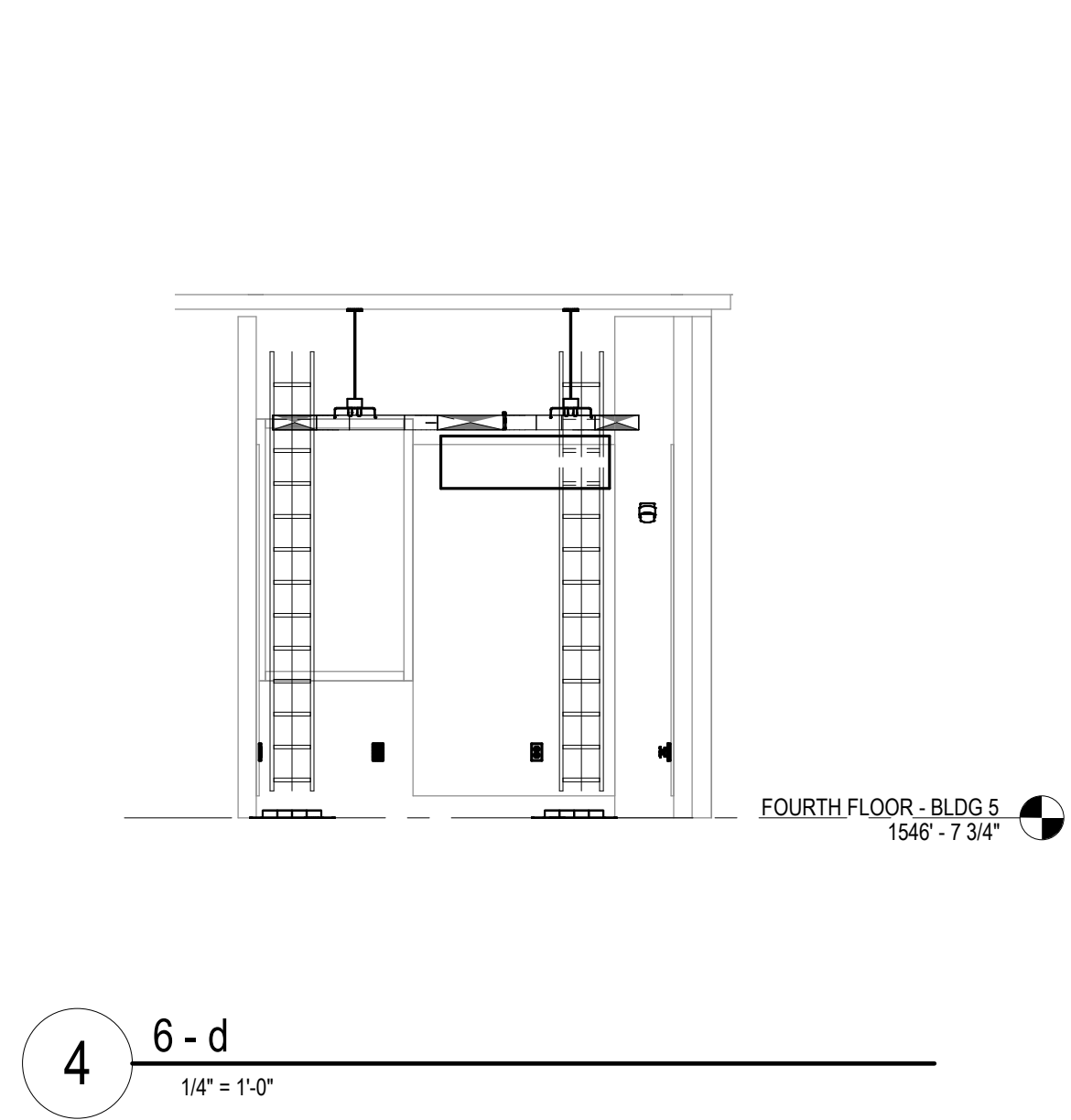
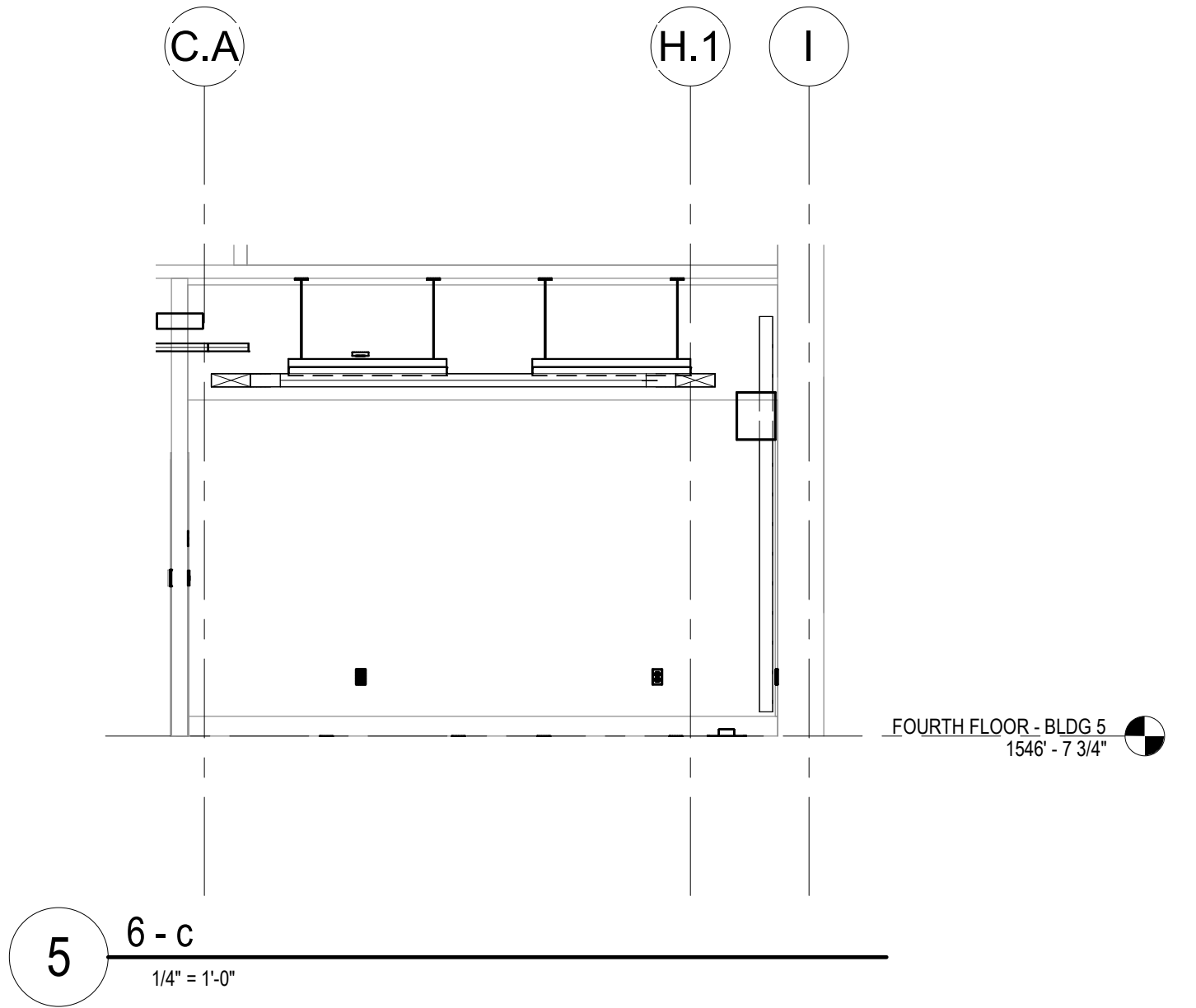
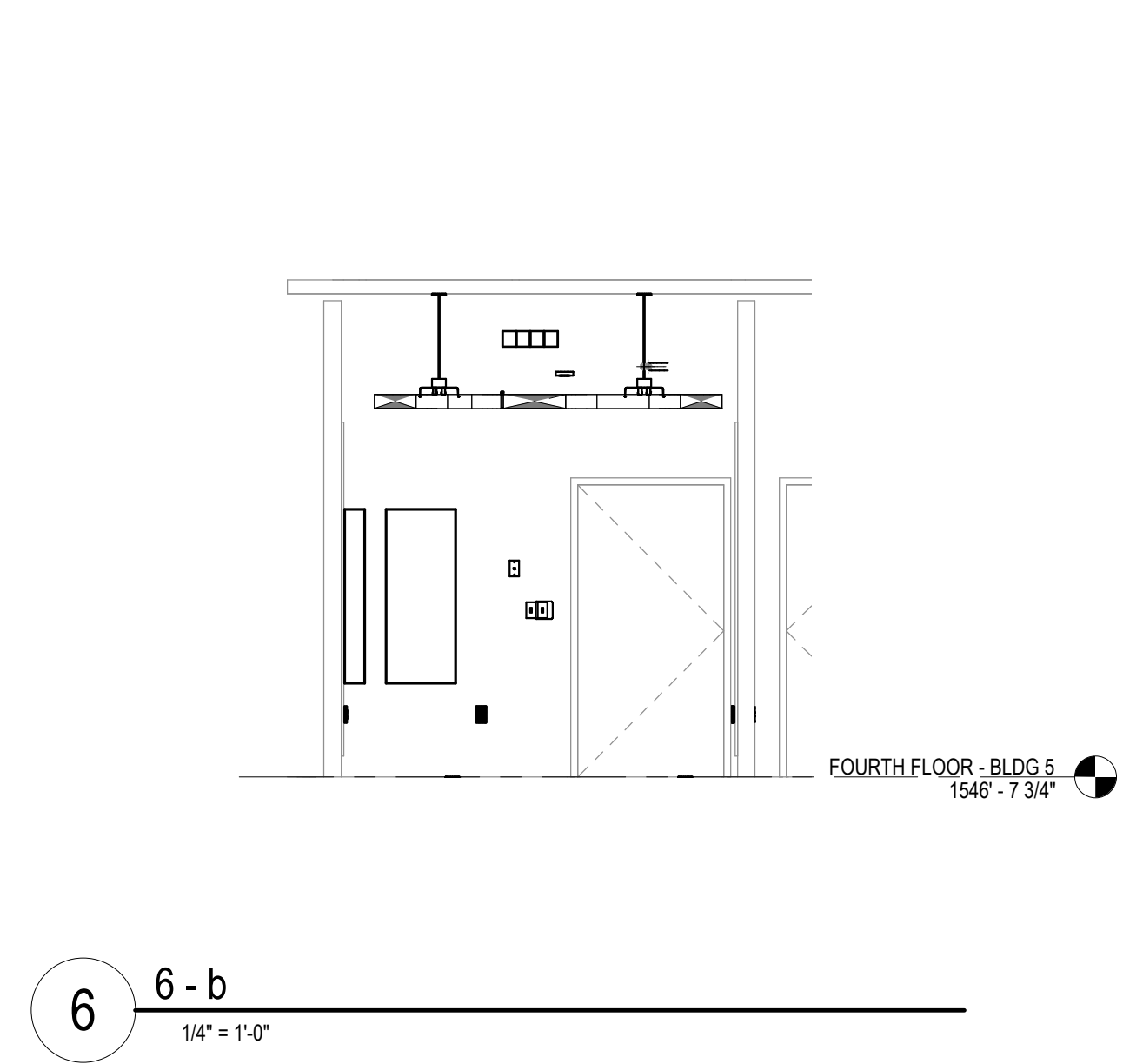
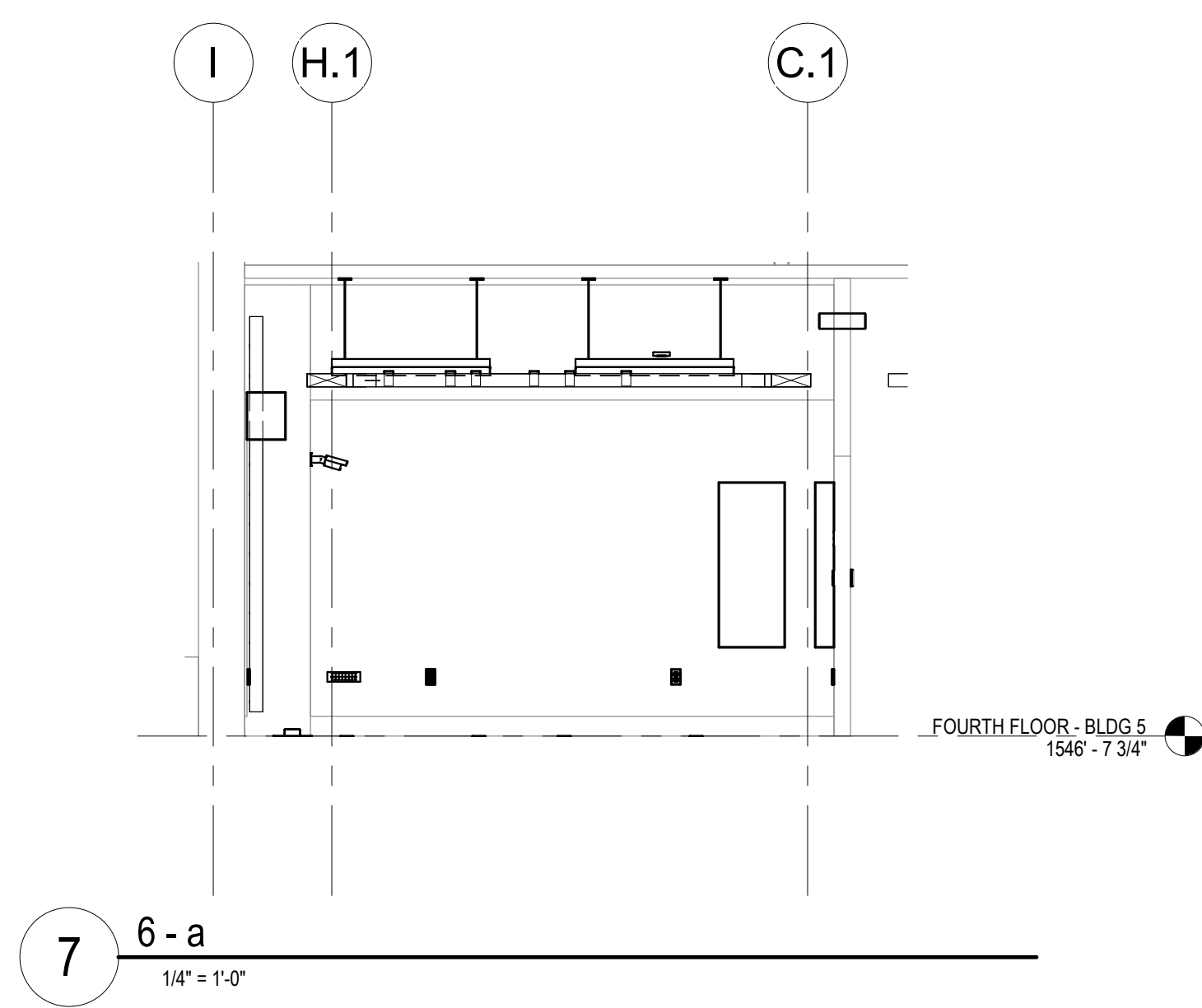
ROOM 451

EXISTING CABLE COUNT  
 DATA (CAT6): 0  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

CABLE RELOCATION COUNT  
 DATA (CAT6): +96 FROM ROOM 440A  
 DATA (CAT6): +96 FROM ROOM 452A  
 DATA (CAT5): +30 FROM ROOM 440A  
 DATA (CAT5): +46 FROM ROOM 452A  
 VIDEO: +10 FROM ROOM 452A  
 PATIENT MONITORING: +4 FROM ROOM 440A  
 COMMERCIAL WIRELESS: +12 FROM ROOM 440A  
 COMMERCIAL WIRELESS: -1 FROM ROOM 452A

EXISTING CABLE TO REMAIN  
 DATA (CAT6): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

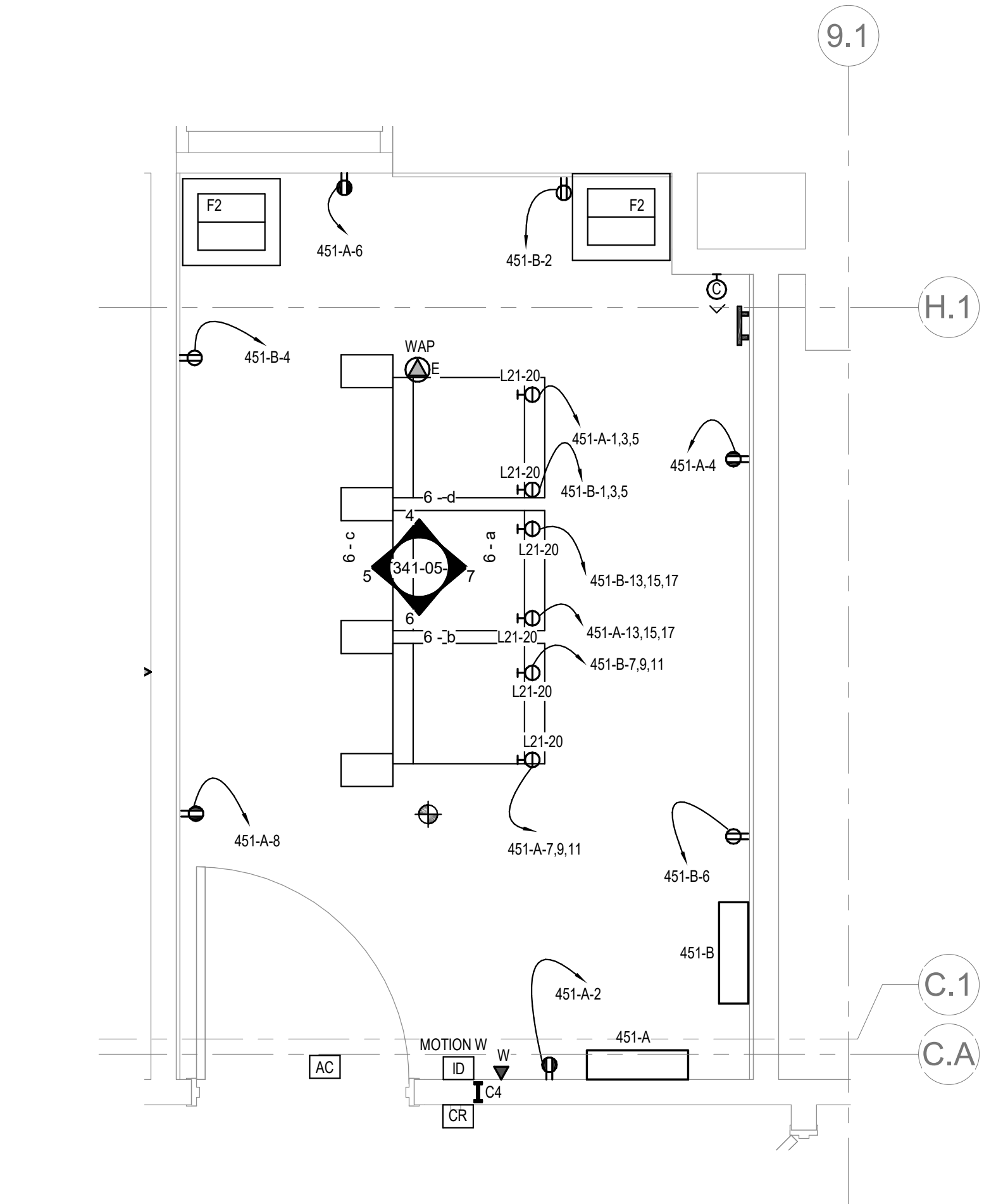
FINAL CABLE COUNT  
 DATA (CAT6): 270  
 VIDEO: 10  
 PATIENT MONITORING: 4  
 COMMERCIAL WIRELESS: 13



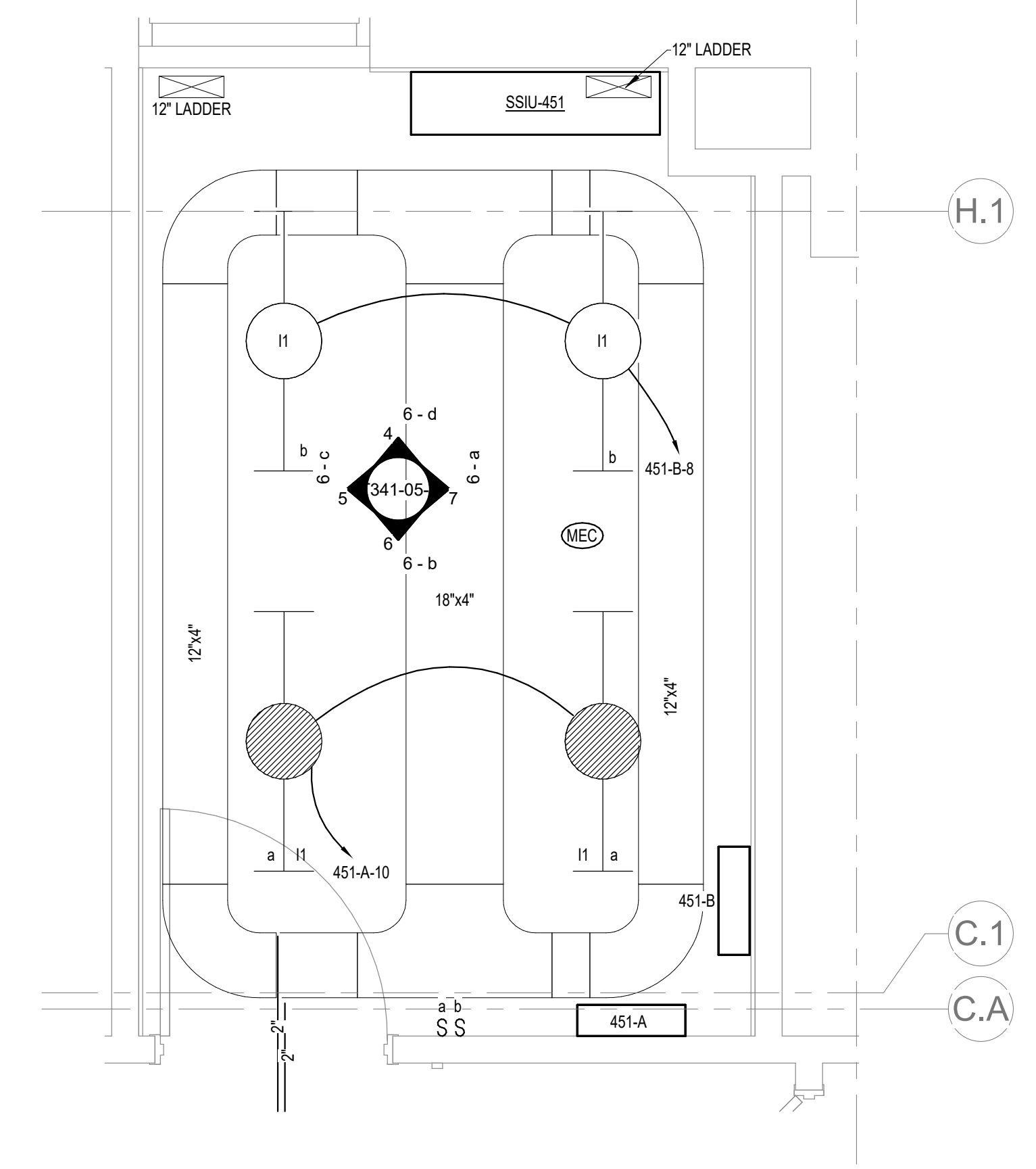
**NOTES:**

- COORDINATE FINAL RACK LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
- PROVIDE COMPONENTS NOT LISTED BY OWNER.
- SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
- COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
- REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
- CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
- COORDINATE INSTALLATIONS WITH OWNER'S ISIT REPRESENTATIVE.

**3 RACK ELEVATION - ROOM 451**  
NO SCALE



**2 ENLARGED ROOM 451 - BUILDING 05 - POWER & DATA**  
1/2" = 1'-0"



**1 ENLARGED ROOM 451 - BUILDING 05 - LIGHTING & CABLE TRAY**  
1/2" = 1'-0"

7/16/2021 1:37:40 PM  
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Revisions:	Date:

**CONSULTANT**

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Anderson Engineering of Minnesota, LLC | Proj # 16090

**STAMP**

Nathan Timm  
BICSI ID # 346555  
EXPIRES 12-31-22  
RCO

Office of Construction and Facilities Management

Drawing Title  
**ENLARGED ROOM 451**

Approved:

Phase  
**BID DOCUMENTS**

FULLY SPRINKLERED

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

Drawn  
NMT

Project Number  
438-20-910

Building Number  
5

Drawing Number  
T341-05-B

A

B

C

D

E

F

7/6/2021 1:32:36 PM

7/6/2021 1:32:36 PM

7/6/2021 1:32:36 PM

**LIGHTING PANEL: 451-B**

LOCATION: TELECOM 451      VOLTS: 208/120 WYE      MAINS TYPE: MCB  
 SUPPLY FROM: B2      PHASES: 3      MCB/MILO RATING: 100 A  
 BRANCH: NORMAL      WIRES: 4      MCB OPTIONS: NONE  
 SERVICE RATED: No      INTEGRAL SPD: Yes      SECTIONS: 1  
 MOUNTING: SURFACE      AVAILABLE SCC (KA): 2.6      PANEL POLES: 42  
 NEMA ENCLOSURE: 1

C...	CIRCUIT DESCRIPTION	OPT	RATI...	POL...	A	B	C	POL...	RATI...	OPT	CIRCUIT DESCRIPTION	C...
1					1922...	180 VA		1	20 A		REC TELECOM 451	2
3	PWR-C TELECOM 451 - RACK RECEPTACLE		20 A	3		1922 VA 180 VA		1	20 A		REC TELECOM 451	4
5					1922...	50 VA		1	20 A		REC TELECOM 451	6
7	PWR-C TELECOM 451 - RACK RECEPTACLE		20 A	3		1922 VA		1	20 A		LTG TELECOM 451	8
9					1922...		1922 VA					10
11							1922 VA					12
13	PWR-C TELECOM 451 - RACK RECEPTACLE		20 A	3		1922 VA						14
15							1922 VA					16
17							1922 VA					18
19					0 VA							20
21	SPARE	--	20 A	3	0 VA	0 VA	0 VA					22
23							0 VA					24
25	SPARE	--	20 A	1	0 VA							26
27	SPARE	--	20 A	1		0 VA						28
29	SPARE	--	20 A	1			0 VA					30
31	SPARE	--	20 A	1	0 VA							32
33												34
35												36
37												38
39												40
41												42
					<b>TOTAL LOAD:</b>	5995 VA	5945 VA	5945 VA				
					<b>TOTAL AMPS:</b>	50 A	50 A	50 A				

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LTG	50 VA	125.00%	62 VA	CONNECTED LOAD: 17885 VA
REC	540 VA	100.00%	540 VA	CONNECTED CURRENT: 50 A
PWR-NC	17295 VA	78.91%	13648 VA	DEMAND LOAD: 14248 VA
				DEMAND CURRENT: 40 A
				CONSIDER 125% DEMAND: 17812 A
				EQUIPMENT AMPS: 100 A
				FEEDER AVAILABLE: 60 %
				SPARE CAPACITY: 60 A

**OPTIONS:**  
 CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

**GENERAL REMARKS:**  
 A. PANEL AIS (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

**LIGHTING PANEL: 451-A**

LOCATION: TELECOM 451      VOLTS: 208/120 WYE      MAINS TYPE: MCB  
 SUPPLY FROM: A2      PHASES: 3      MCB/MILO RATING: 100 A  
 BRANCH: CRITICAL      WIRES: 4      MCB OPTIONS: NONE  
 SERVICE RATED: No      INTEGRAL SPD: Yes      SECTIONS: 1  
 MOUNTING: SURFACE      AVAILABLE SCC (KA): 2.8      PANEL POLES: 42  
 NEMA ENCLOSURE: 1

C...	CIRCUIT DESCRIPTION	OPT	RATI...	POL...	A	B	C	POL...	RATI...	OPT	CIRCUIT DESCRIPTION	C...
1					1922...	180 VA		1	20 A		REC TELECOM 451	2
3	PWR-C TELECOM 451 - RACK RECEPTACLE		20 A	3		1922 VA 180 VA		1	20 A		REC TELECOM 451	4
5					1922...	50 VA		1	20 A		REC TELECOM 451	6
7	PWR-C TELECOM 451 - RACK RECEPTACLE		20 A	3		1922 VA		1	20 A		LTG TELECOM 451	8
9					1922...		1922 VA					10
11							1922 VA					12
13	PWR-C TELECOM 451 - RACK RECEPTACLE		20 A	3		1922 VA						14
15							1922 VA					16
17							1922 VA					18
19					0 VA							20
21	SSIU-451/SSOU-451	--	30 A	2	1488...	1488 VA	0 VA					22
23	SPARE	--	20 A	1			0 VA					24
25	SPARE	--	20 A	1	0 VA							26
27	SPARE	--	20 A	1		0 VA						28
29	SPARE	--	20 A	1			0 VA					30
31					0 VA							32
33	SPARE	--	20 A	3	0 VA	0 VA	0 VA					34
35							0 VA					36
37												38
39												40
41												42
					<b>TOTAL LOAD:</b>	7613 VA	7482 VA	5945 VA				
					<b>TOTAL AMPS:</b>	65 A	64 A	50 A				

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LTG	50 VA	125.00%	62 VA	CONNECTED LOAD: 21040 VA
REC	720 VA	100.00%	720 VA	CONNECTED CURRENT: 58 A
MTR	2975 VA	124.00%	3689 VA	DEMAND LOAD: 16118 VA
PWR-NC	17295 VA	78.91%	13648 VA	DEMAND CURRENT: 50 A
				CONSIDER 125% DEMAND: 22648 A
				EQUIPMENT AMPS: 100 A
				FEEDER AVAILABLE: 49 %
				SPARE CAPACITY: 50 A

**OPTIONS:**  
 CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

**GENERAL REMARKS:**  
 A. PANEL AIS (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

Revisions:	Date:

CONSULTANT




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Anderson Engineering of Minnesota, LLC | Proj # 16090

STAMP



**Bicsi**  
Nathan Timm  
BICSI ID # 346555  
EXPIRES 12-31-22

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

**PANEL SCHEDULES - BUILDING 5 - FOURTH LEVEL - AREA B**

Approved:

Phase

**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title

**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

Drawn  
NMT

Project Number  
438-20-910

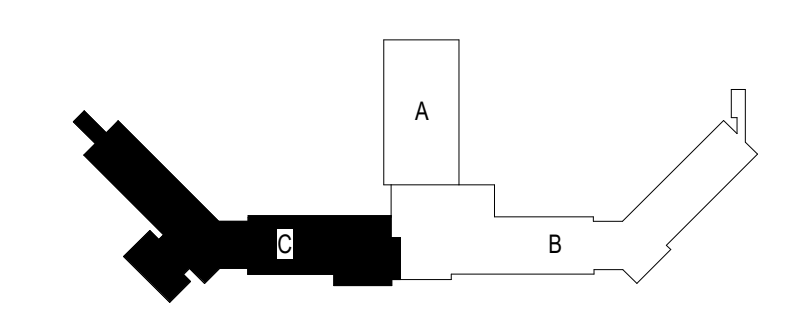
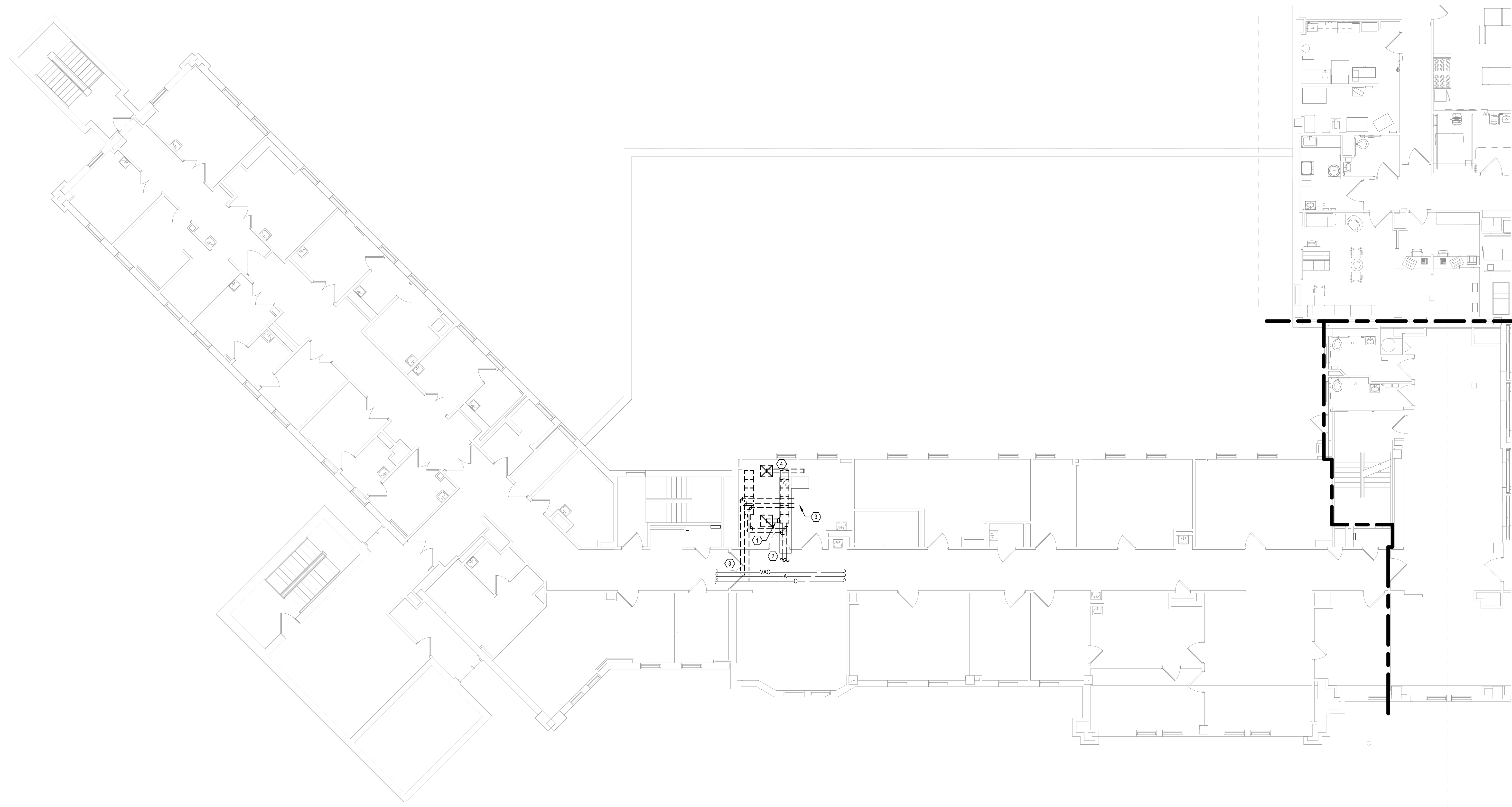
Building Number  
5

Drawing Number  
EE41-05-B



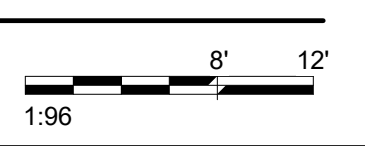
- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
  - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED. EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
  - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
  - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

- SHEET NOTES:**
- DEMOLISH RETURN AIR GRILLE AND ASSOCIATED DUCTWORK BACK TO MAIN AND CAP.
  - DEMOLISH RADIANT CEILING PANELS AND ASSOCIATED HWS/R PIPING BACK TO MAINS AND CAP.
  - DEMOLISH 1/2" MEDICAL GAS PIPING BACK TO MAINS AND CAP. DEMOLISH MEDICAL GAS OUTLETS IN EXAM ROOM.
  - DEMOLISH SUPPLY DIFFUSER AND ASSOCIATED DUCTWORK BACK TO MAIN AND CAP.



**KEYPLAN**

**1** FOURTH LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA C  
1/8" = 1'-0"



Revisions:	Date:

**CONSULTANT**




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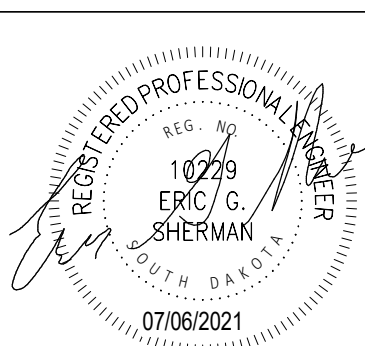
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Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title  
**FOURTH LEVEL MECHANICAL DEMOLITION PLAN - BUILDING 5 - AREA C**

Approved:

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
EGS

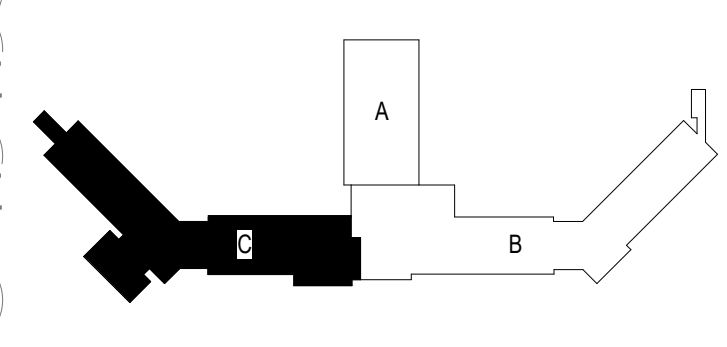
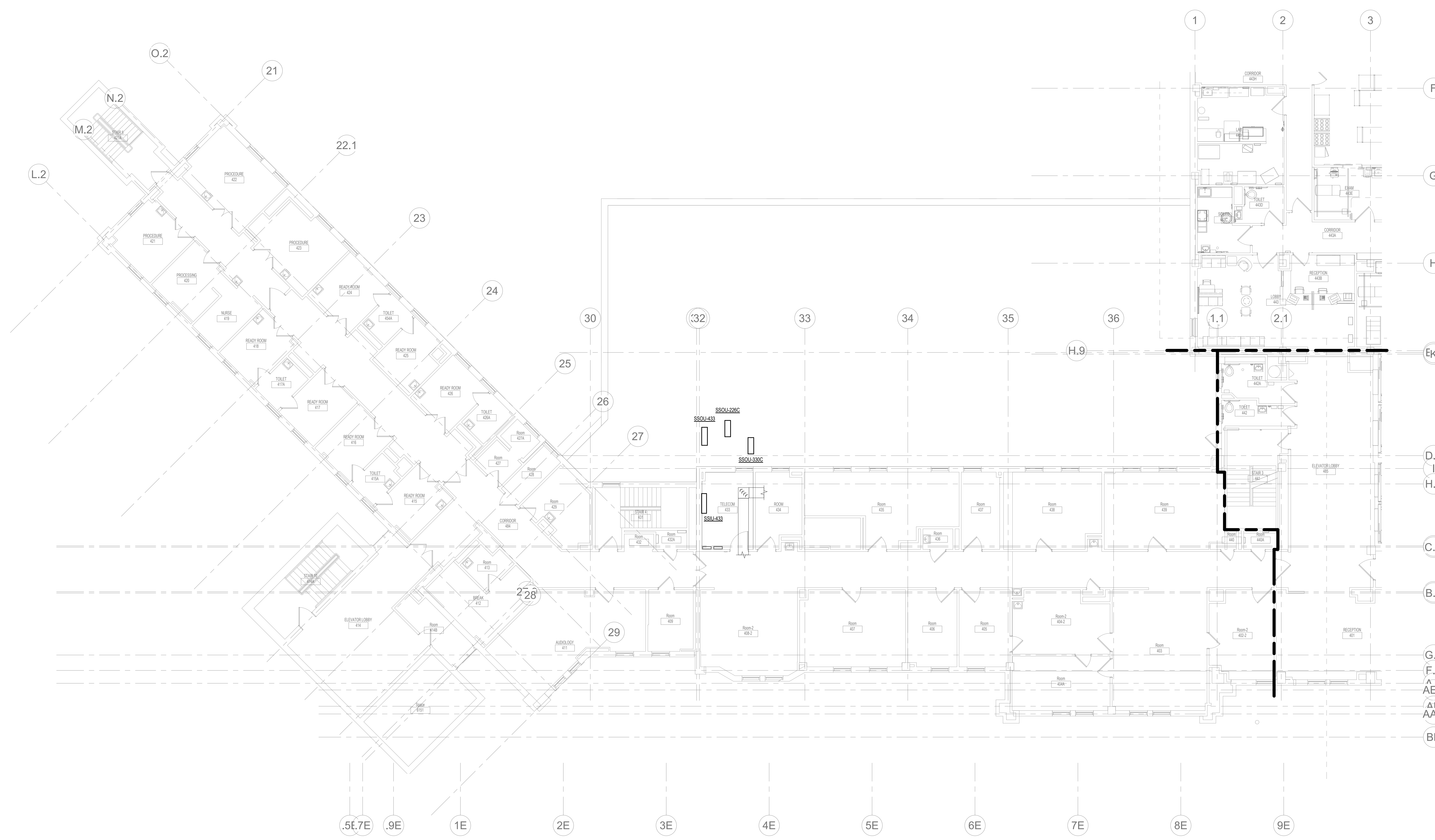
Drawn  
PHV

Project Number  
438-20-910

Building Number  
5

Drawing Number  
MD141-05-C

- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
  - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED. EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
  - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
  - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.



**KEYPLAN**

1 FOURTH LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA C  
1/8" = 1'-0"

1:96  
0' 6" 12"

Revisions:	Date:

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**Office of Construction and Facilities Management**

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

Drawing Title  
**FOURTH LEVEL DUCTWORK PLAN - BUILDING 5 - AREA C**

Approved:

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
02/18/2022

Checked  
EGS

Drawn  
PHV

Project Number  
438-20-910

Building Number  
5

Drawing Number  
MH141-05-C

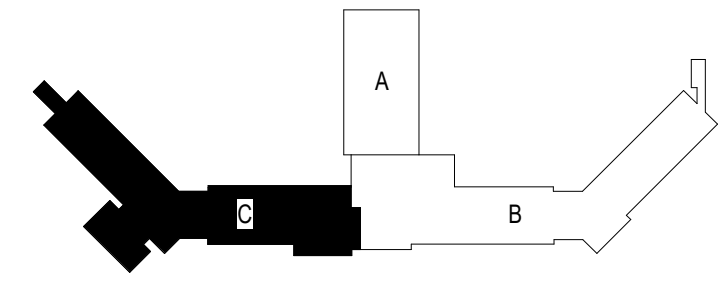
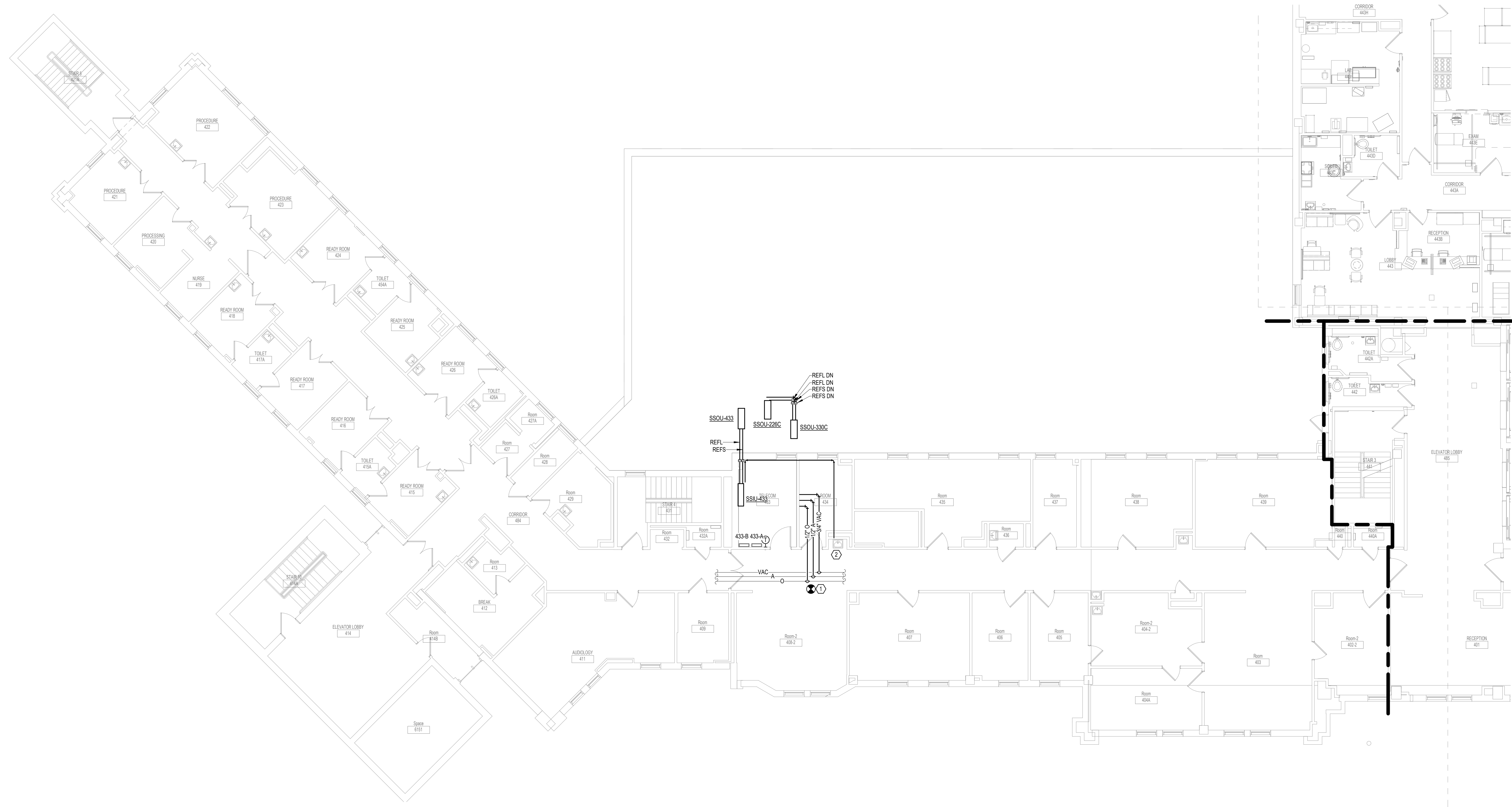
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VA FORM 08 - 6231

**GENERAL NOTES:**

- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
- ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT, ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
- UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
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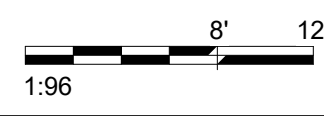
**SHEET NOTES:**

- CONNECT NEW MED GAS BRANCH PIPING TO EXISTING MED GAS OUTLETS IN ROOM 434.
- CONNECT CONDENSATE TO DRAIN UNDERNEATH EXISTING LAVATORY. MAKE CONNECTION ON THE SINK SIDE OF THE DRAIN TRAP.



**KEYPLAN**

1 FOURTH LEVEL PIPING FLOOR PLAN - BUILDING 5 - AREA C  
1/8" = 1'-0"



Revisions:	Date:

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**Office of Construction and Facilities Management**

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

Drawing Title  
**FOURTH LEVEL PIPING FLOOR PLAN - BUILDING 5 - AREA C**

Approved:

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

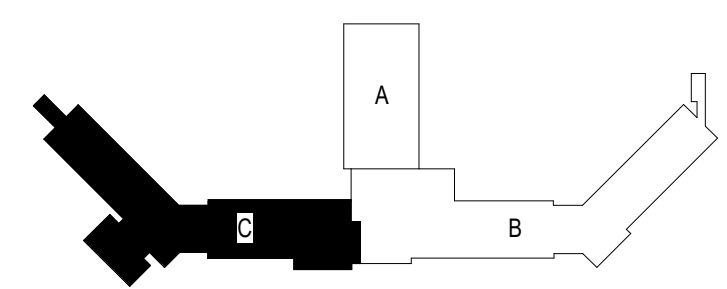
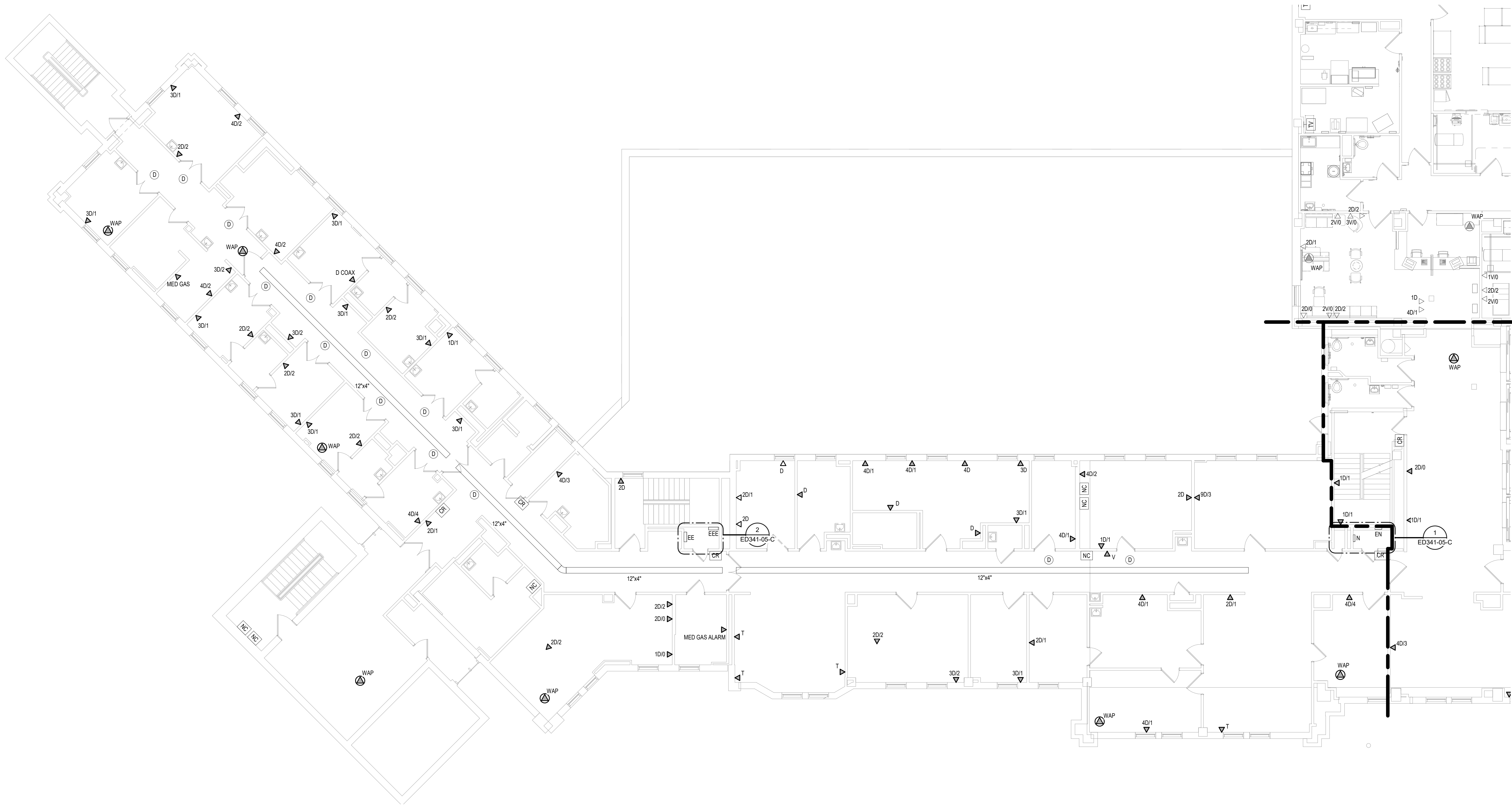
Checked  
EGS

Drawn  
PHV

Project Number  
438-20-910

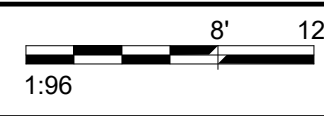
Building Number  
5

Drawing Number  
MP141-05-C



**KEYPLAN**

1 FOURTH LEVEL ELECTRICAL DEMOLITION FLOOR PLAN - BUILDING 5 - AREA C  
1/8" = 1'-0"



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Office of Construction and Facilities Management



Drawing Title  
**FOURTH LEVEL ELECTRICAL DEMOLITION PLAN - BUILDING 5 - AREA C**

Approved:

Phase  
**BID DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
**Sioux Falls, SD**

Issue Date  
**07/06/2021**

Checked  
**KSB**

Drawn  
**NMT**

Project Number  
**438-20-910**  
Building Number  
**5**  
Drawing Number  
**ED141-05-C**



**CABLING NOTES:**

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

**1. ROOM 440A**

EXISTING CABLE COUNT  
 DATA (CAT5): 112  
 DATA (CAT6): 30  
 VIDEO: 0  
 PATIENT MONITORING: 4  
 COMMERCIAL WIRELESS: 12

CABLE RELOCATION COUNT  
 DATA (CAT5): -88 TO ROOM 451  
 DATA (CAT6): -16 TO ROOM 433  
 DATA (CAT5): -30 TO ROOM 451  
 VIDEO: 0  
 PATIENT MONITORING: -4 TO ROOM 451  
 COMMERCIAL WIRELESS: -12 TO ROOM 451

EXISTING CABLE TO REMAIN  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

**2. ROOM 432**

EXISTING CABLE COUNT  
 DATA (CAT5): 48  
 DATA (CAT6): 48  
 VIDEO: 8  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

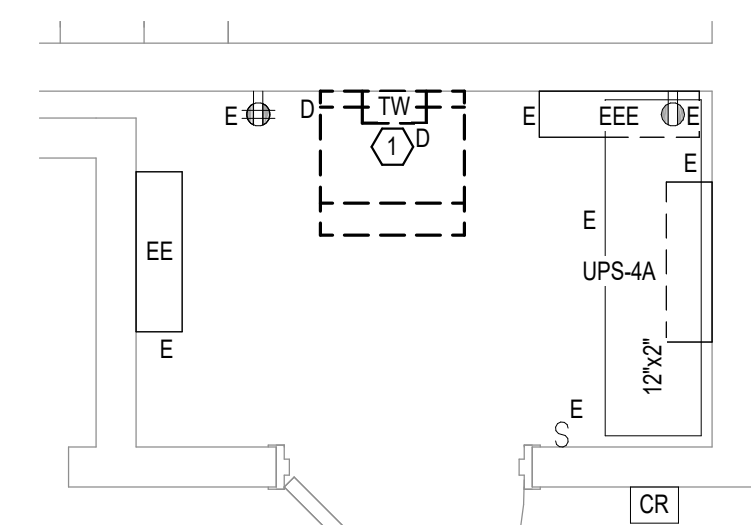
CABLE RELOCATION COUNT  
 DATA (CAT5): -48 TO ROOM 433  
 DATA (CAT6): -48 TO ROOM 433  
 VIDEO: -8 TO ROOM 433  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

EXISTING CABLE TO REMAIN  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

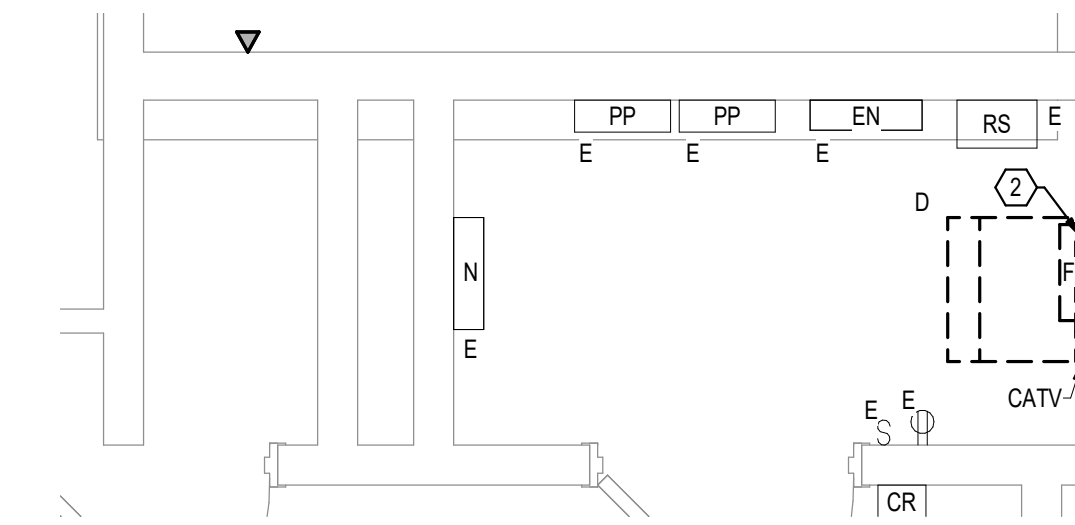
FINAL CABLE COUNT  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

**SHEET NOTES:**

- EXISTING TELEPHONE WALL FIELD TO BE DEMOLISHED. NEW COPPER BACKBONE TO BE PROVIDED ON PATCH PANELS IN TELECOMMUNICATIONS RACK. REFER TO CABLING NOTES AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.
- EXISTING FIBER ENCLOSURE TO BE DEMOLISHED. NEW FIBER BACKBONE TO BE TERMINATED IN NEW TELECOMMUNICATIONS RACK. REFER TO CABLING NOTES AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.



**2** FOURTH LEVEL ELECTRICAL DEMOLITION - BUILDING 5 - AREA C - ROOM 432  
 1/2" = 1'-0"  
 1/24



**1** FOURTH LEVEL ELECTRICAL DEMOLITION - BUILDING 5 - AREA C - ROOM 440A  
 1/2" = 1'-0"  
 1/24

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Revisions:	Date:

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 Anderson Engineering of Minnesota, LLC | Proj # 16090

**STAMP**  


**Office of Construction and Facilities Management**  
 U.S. Department of Veterans Affairs

**Drawing Title**  
 FOURTH FLOOR ELECTRICAL DEMOLITION - BUILDING 5 - ENLARGED ROOMS - AREA C

**Approved:**

**Phase**  
 BID DOCUMENTS

**FULLY SPRINKLERED**

**Project Title**  
 VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

**Location**  
 Sioux Falls, SD

**Issue Date**  
 07/06/2021

**Checked**  
 KSB

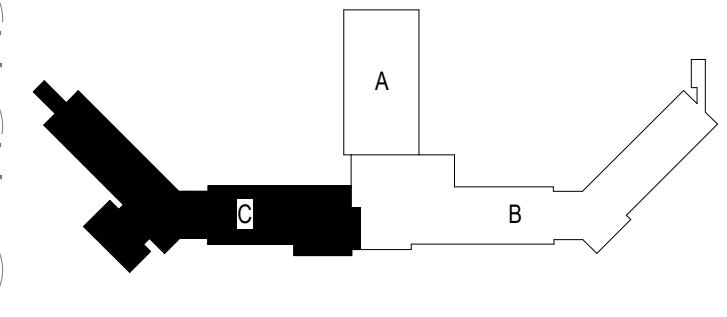
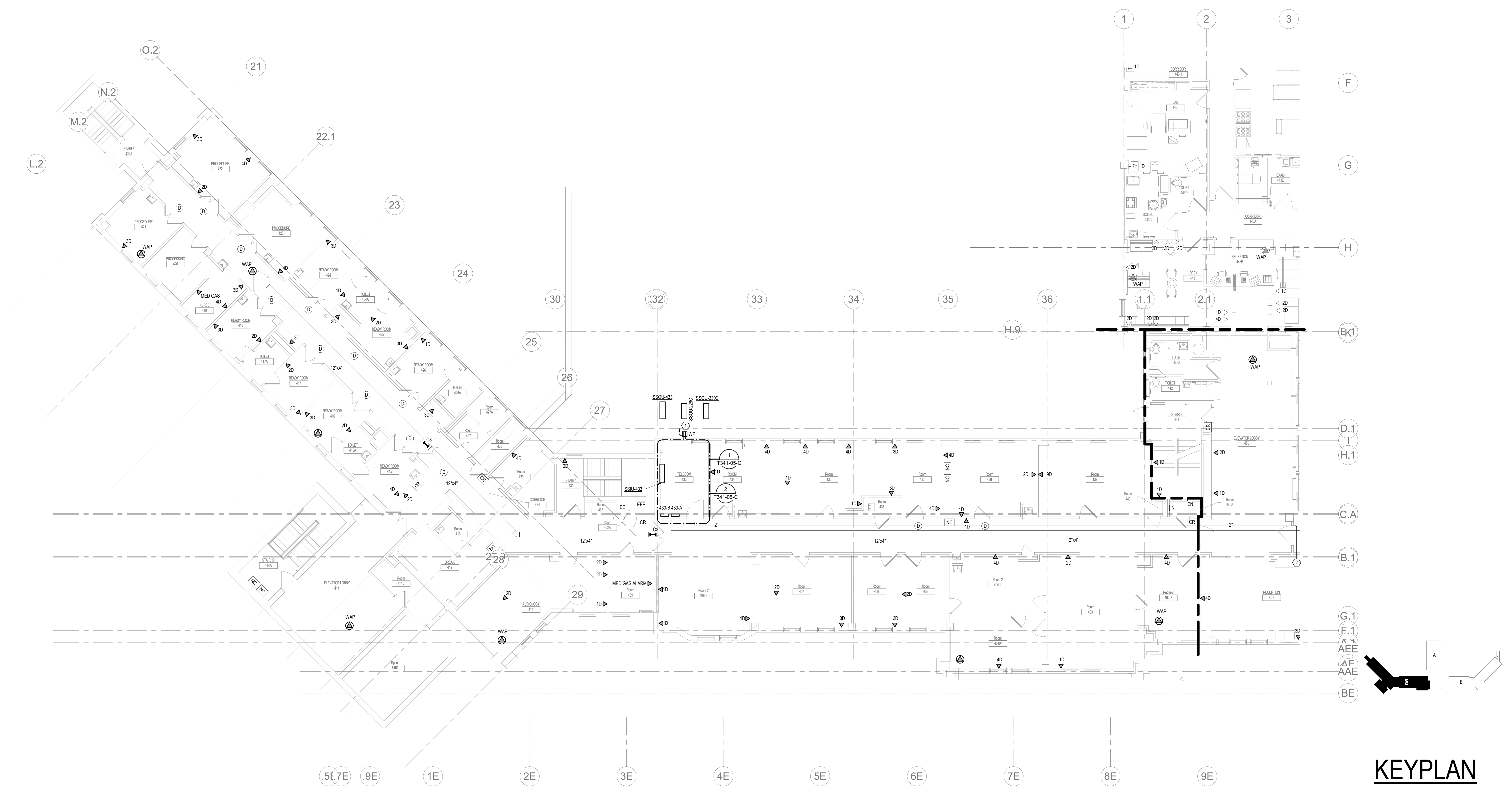
**Drawn**  
 NMT

**Project Number**  
 438-20-910

**Building Number**  
 5

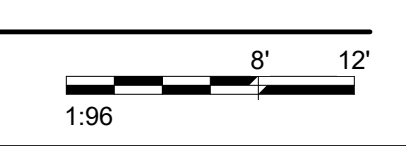
**Drawing Number**  
 ED341-05-C

**SHEET NOTES:**  
 1. POWER DEVICE TO NEAREST AVAILABLE BRANCH CIRCUIT FEEDING RECEPTACLES IN THIS AREA OR AREA BELOW.



**KEYPLAN**

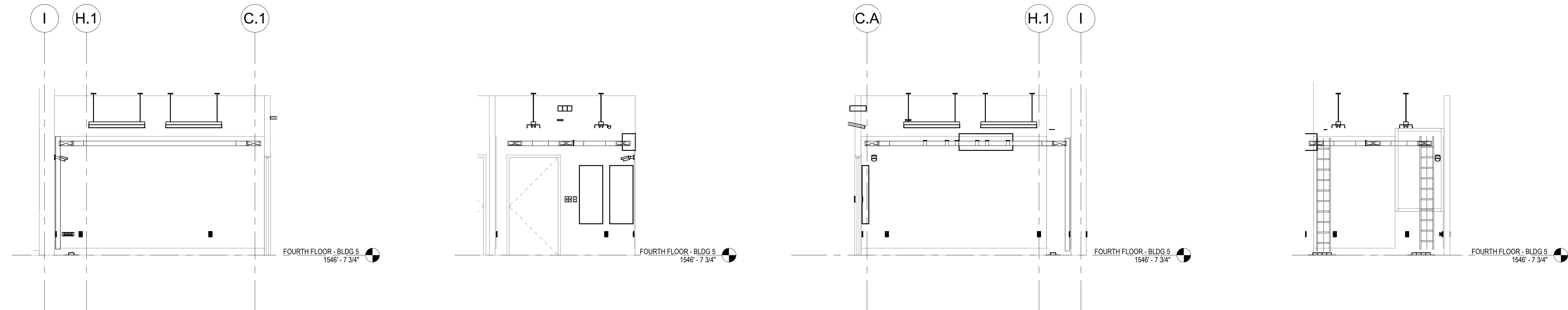
**1** FOURTH LEVEL LOW VOLTAGE FLOOR PLAN - BUILDING 5 - AREA C  
 1/8" = 1'-0"



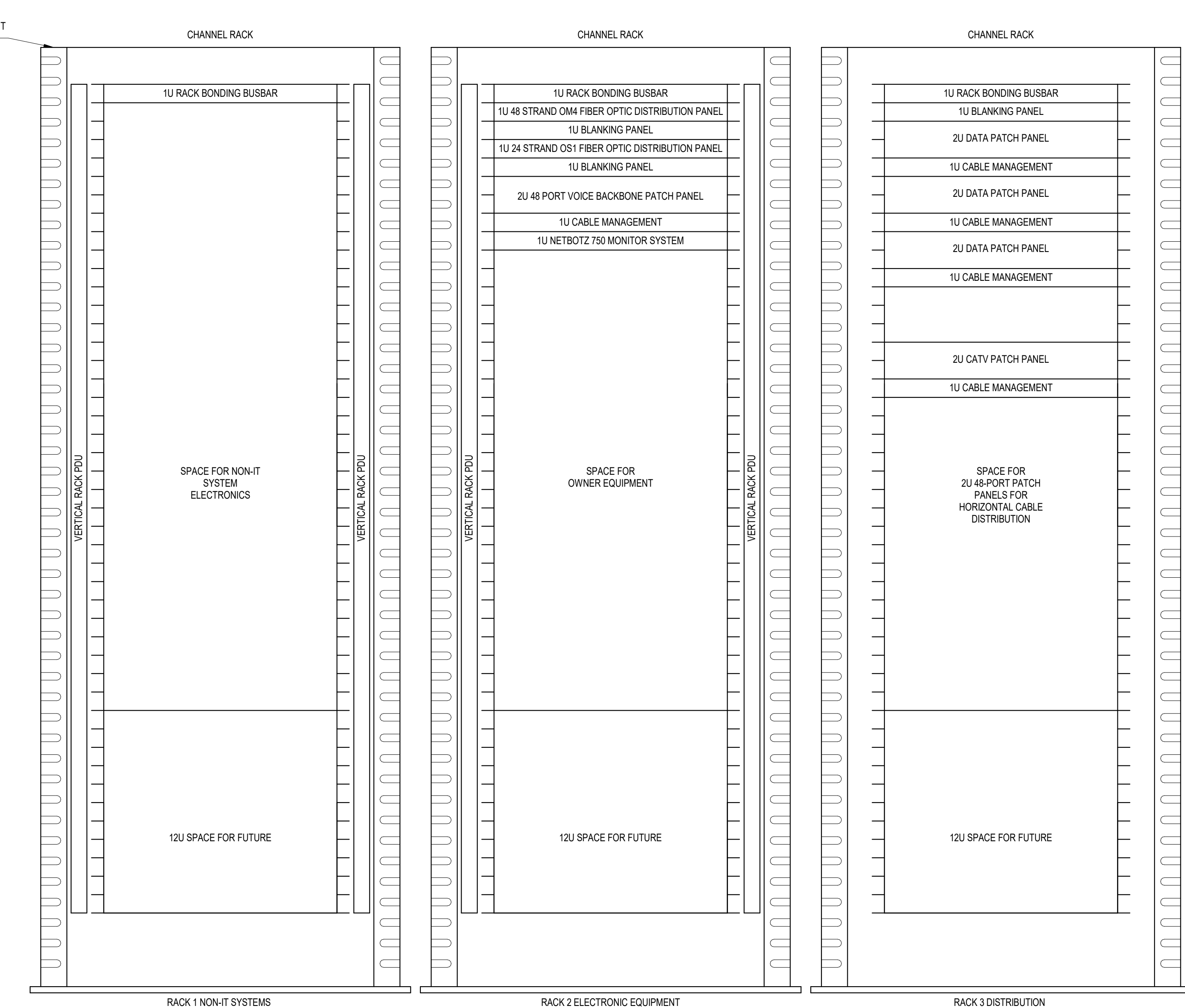
Revisions:	Date:

<b>CONSULTANT</b> 	<b>ARCHITECT/ENGINEER OF RECORD</b>  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 # 16090	<b>STAMP</b>  Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 REGISTERED COMMUNICATIONS DISTRIBUTION	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title <b>FOURTH LEVEL LOW VOLTAGE          PLAN - BUILDING 5 - AREA C</b>  Approved:	Phase <b>BID DOCUMENTS</b>	Project Title <b>VAMC SIOUX FALLS EHRM          INFRASTRUCTURE UPGRADES</b>	Project Number <b>438-20-910</b>
					Fully <b>SPRINKLERED</b>	Location <b>Sioux Falls, SD</b>	Building Number <b>5</b>
				Issue Date <b>07/06/2021</b>	Checked <b>KSB</b>	Drawn <b>NMT</b>	Drawing Number <b>TN141-05-C</b>

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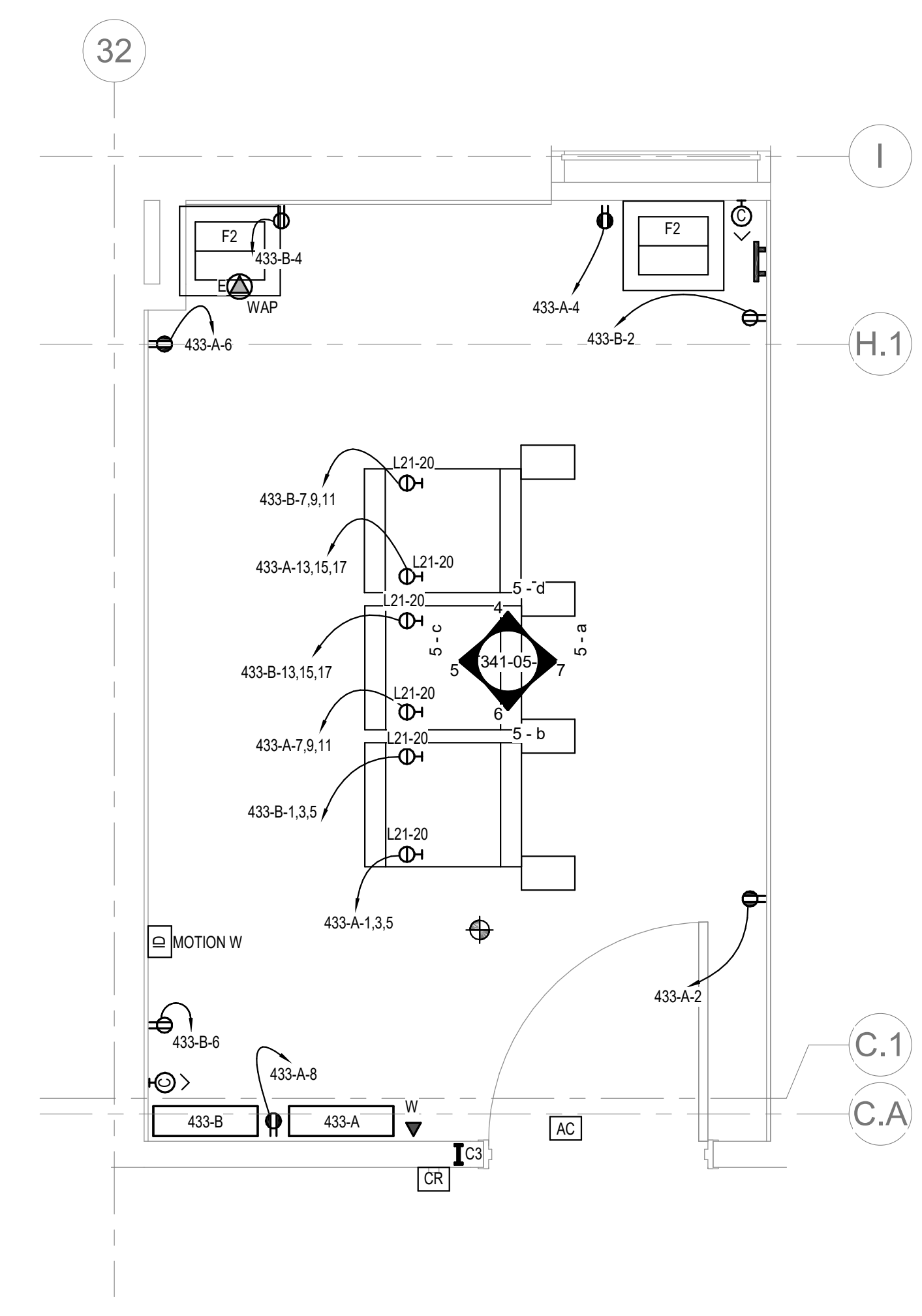


7 5-a 1/4" = 1'-0"  
 6 5-b 1/4" = 1'-0"  
 5 5-c 1/4" = 1'-0"  
 4 5-d 1/4" = 1'-0"

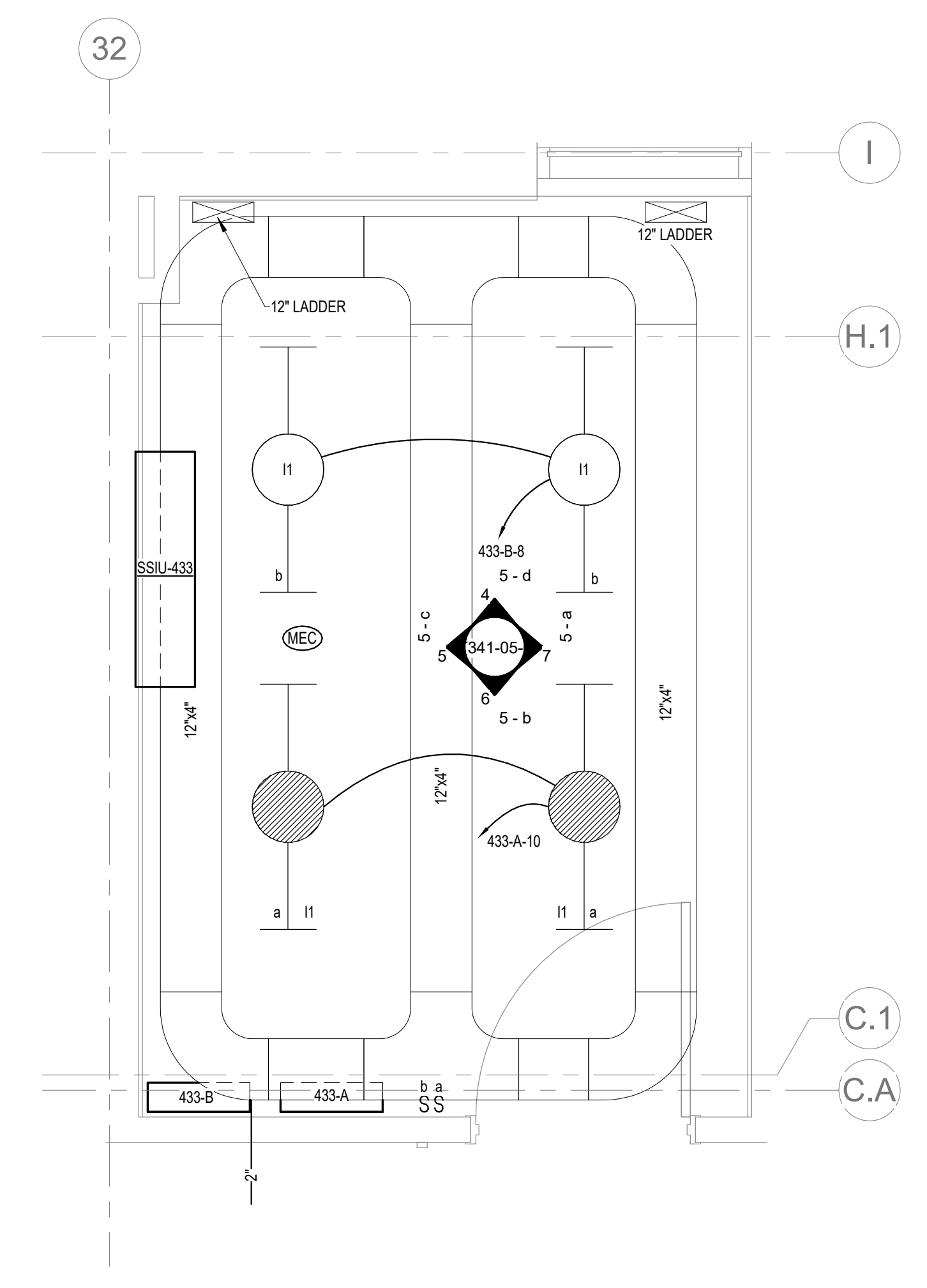


- NOTES:
- COORDINATE FINAL RACK LAYOUT WITH OWNER'S ISIT REPRESENTATIVE.
  - PROVIDE COMPONENTS NOT LISTED BY OWNER.
  - SEE SPECIFICATION FOR ADDITIONAL RACK COMPONENTS.
  - COORDINATE EXACT RACK LOCATION WITH OWNER PRIOR TO PERMANENT INSTALLATION.
  - REFER TO NEW WORK PLAN FOR RACK LOCATIONS.
  - CONTRACTOR IS RESPONSIBLE FOR FINAL DEVICE COUNT AND QUANTITY OF PATCH PANELS, SWITCHES, FIBER ENCLOSURES, AND CABLE MANAGEMENT REQUIRED.
  - COORDINATE INSTALLATIONS WITH OWNER'S ISIT REPRESENTATIVE.

3 RACK ELEVATION - ROOM 433  
 NO SCALE



2 ENLARGED ROOM 433 - BUILDING 05 - POWER & DATA  
 1/2" = 1'-0"



1 ENLARGED ROOM 433 - BUILDING 05 - LIGHTING & CABLE TRAY  
 1/2" = 1'-0"

**CABLING NOTES:**

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

ROOM 433

EXISTING CABLE COUNT  
 DATA (CAT6): 0  
 DATA (CAT5): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

CABLE RELOCATION COUNT  
 DATA (CAT6): +48 FROM ROOM 432A  
 DATA (CAT6): +16 FROM ROOM 440A  
 DATA (CAT5): +48 FROM ROOM 432A  
 VIDEO: +8 FROM ROOM 432A  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

EXISTING CABLE TO REMAIN  
 DATA (CAT6): 0  
 VIDEO: 0  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

FINAL CABLE COUNT  
 DATA (CAT6): 112  
 VIDEO: 8  
 PATIENT MONITORING: 0  
 COMMERCIAL WIRELESS: 0

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Revisions:	Date:

<b>CONSULTANT</b>  <b>SPECIALIZED ENGINEERING SOLUTIONS</b> 10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com	<b>ARCHITECT/ENGINEER OF RECORD</b>  <b>ANDERSON</b> 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 # 16090	<b>STAMP</b>  Nathan Timm BICSI ID # 346555 EXPIRES 12-31-23 REGISTERED COMMUNICATIONS DISTRIBUTION	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title <b>ENLARGED ROOM 433</b>	Phase <b>BID DOCUMENTS</b>	Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b>	Project Number <b>438-20-910</b>
				Approved:	Fully Sprinklered	Location Sioux Falls, SD	Building Number <b>5</b>
				Issue Date 07/06/2021	Checked KSB	Drawn NMT	Drawing Number <b>T341-05-C</b>

A

B

C

D

E

F

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**LIGHTING PANEL: 433-B**

LOCATION: TELECOM 433  
 SUPPLY FROM: B1  
 BRANCH: NORMAL  
 SERVICE RATED: No  
 MOUNTING: SURFACE  
 NEMA ENCLOSURE: 1

VOLTS: 208/120 WYE  
 PHASES: 3  
 WIRES: 4  
 INTEGRAL SPD: Yes  
 AVAILABLE SCC (KA): 1.9

MAINS TYPE: MCB  
 MCB/MLO RATING: 100 A  
 MCB OPTIONS: NONE  
 SECTIONS: 1  
 PANEL POLES: 42

C...	CIRCUIT DESCRIPTION	OPT	RATI...	POL...	A	B	C	POL...	RATI...	OPT	CIRCUIT DESCRIPTION	C...
1	REC TELECOM 433 - RACK RECEPTACLE		20 A	3	1922...	180 VA			1	20 A	REC TELECOM 433	2
3						1922 VA, 180 VA			1	20 A	REC TELECOM 433	4
5							1922 VA, 180 VA		1	20 A	REC TELECOM 433	6
7	PWR-C TELECOM 433 - RACK RECEPTACLE		20 A	3	1922...	50 VA			1	20 A	LTG TELECOM 433	8
9							1922 VA					10
11							1922 VA					12
13												14
15	PWR-C TELECOM 433 - RACK RECEPTACLE		20 A	3	1922...		1922 VA					16
17							1922 VA					18
19												20
21	SPARE	--	20 A	3	0 VA	0 VA						22
23							0 VA					24
25	SPARE	--	20 A	1	0 VA							26
27	SPARE	--	20 A	1	0 VA							28
29	SPARE	--	20 A	1	0 VA							30
31	SPARE	--	20 A	1	0 VA							32
33												34
35												36
37												38
39												40
41												42

TOTAL LOAD: 5995 VA 5945 VA 5945 VA  
 TOTAL AMPS: 50 A 50 A 50 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LTG	50 VA	125.00%	62 VA	CONNECTED LOAD: 17885 VA
REC	540 VA	100.00%	540 VA	CONNECTED CURRENT: 50 A
PWR-NC	17295 VA	78.91%	13648 VA	DEMAND LOAD: 14249 VA
				DEMAND CURRENT: 40 A
				CONSIDER 125% DEMAND: 17812 A
				EQUIPMENT AMPS: 100 A
				FEEDER AVAILABLE:
				SPARE CAPACITY: 60 %
				60 A

OPTIONS:  
 CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

GENERAL REMARKS:  
 A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

**LIGHTING PANEL: 433-A**

LOCATION: TELECOM 433  
 SUPPLY FROM: A1  
 BRANCH: CRITICAL  
 SERVICE RATED: No  
 MOUNTING: SURFACE  
 NEMA ENCLOSURE: 1

VOLTS: 208/120 WYE  
 PHASES: 3  
 WIRES: 4  
 INTEGRAL SPD: Yes  
 AVAILABLE SCC (KA): 2.1

MAINS TYPE: MCB  
 MCB/MLO RATING: 100 A  
 MCB OPTIONS: NONE  
 SECTIONS: 1  
 PANEL POLES: 42

C...	CIRCUIT DESCRIPTION	OPT	RATI...	POL...	A	B	C	POL...	RATI...	OPT	CIRCUIT DESCRIPTION	C...
1	REC TELECOM 433 - RACK RECEPTACLE		20 A	3	1922...	180 VA			1	20 A	REC TELECOM 433	2
3						1922 VA, 180 VA			1	20 A	REC TELECOM 433	4
5							1922 VA, 180 VA		1	20 A	REC TELECOM 433	6
7	PWR-C TELECOM 433 - RACK RECEPTACLE		20 A	3	1922...	180 VA			1	20 A	REC TELECOM 433	8
9							1922 VA, 50 VA		1	20 A	LTG TELECOM 433	10
11							1922 VA					12
13												14
15	PWR-C TELECOM 433 - RACK RECEPTACLE		20 A	3	1922...		1922 VA					16
17							1922 VA					18
19												20
21	SSIU-433/SOL-433		30 A	2	1488...	1488 VA						22
23	SPARE	--	20 A	1			0 VA					24
25	SPARE	--	20 A	1	0 VA							26
27	SPARE	--	20 A	1	0 VA							28
29	SPARE	--	20 A	1	0 VA							30
31												32
33	SPARE	--	20 A	3	0 VA		0 VA					34
35							0 VA					36
37												38
39												40
41												42

TOTAL LOAD: 7813 VA 7482 VA 5945 VA  
 TOTAL AMPS: 65 A 64 A 50 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LTG	50 VA	125.00%	62 VA	CONNECTED LOAD: 21040 VA
REC	720 VA	100.00%	720 VA	CONNECTED CURRENT: 58 A
MTR	2975 VA	124.00%	3689 VA	DEMAND LOAD: 18118 VA
PWR-NC	17295 VA	78.91%	13648 VA	DEMAND CURRENT: 50 A
				CONSIDER 125% DEMAND: 22648 A
				EQUIPMENT AMPS: 100 A
				FEEDER AVAILABLE:
				SPARE CAPACITY: 49 %
				50 A

OPTIONS:  
 CIRCUIT BREAKER OPTIONS SUFFIX: 'S' OR 'ST' - PROVIDE SHUNT TRIP CIRCUIT BREAKER / 'G' OR 'GFCI' - PROVIDE GFCI CIRCUIT BREAKER / 'GFP' - PROVIDE GFP CIRCUIT BREAKER / 'ERMS' - ENERGY REDUCING MAINTENANCE SWITCH / 'ZSI' - ZONE SELECTIVE INTERLOCKING / 'L' - PROVIDE CIRCUIT BREAKER WITH LOCKING PROVISIONS / 'R' - PROVIDE CIRCUIT BREAKER WITH RED MARKING

GENERAL REMARKS:  
 A. PANEL AIC (INTERRUPTING) RATING SHALL BE MINIMUM 120% OF THE AVAILABLE SCC (SHORT CIRCUIT CURRENT).

Revisions:	Date:

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**Bicsi**  
 Nathan Timm  
 BICSI ID # 346555  
 EXPIRES 12-31-22

Office of Construction and Facilities Management

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

Drawing Title

**PANEL SCHEDULES - BUILDING 5 - FOURTH LEVEL - AREA C**

Approved:

Phase

**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title

**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
KSB

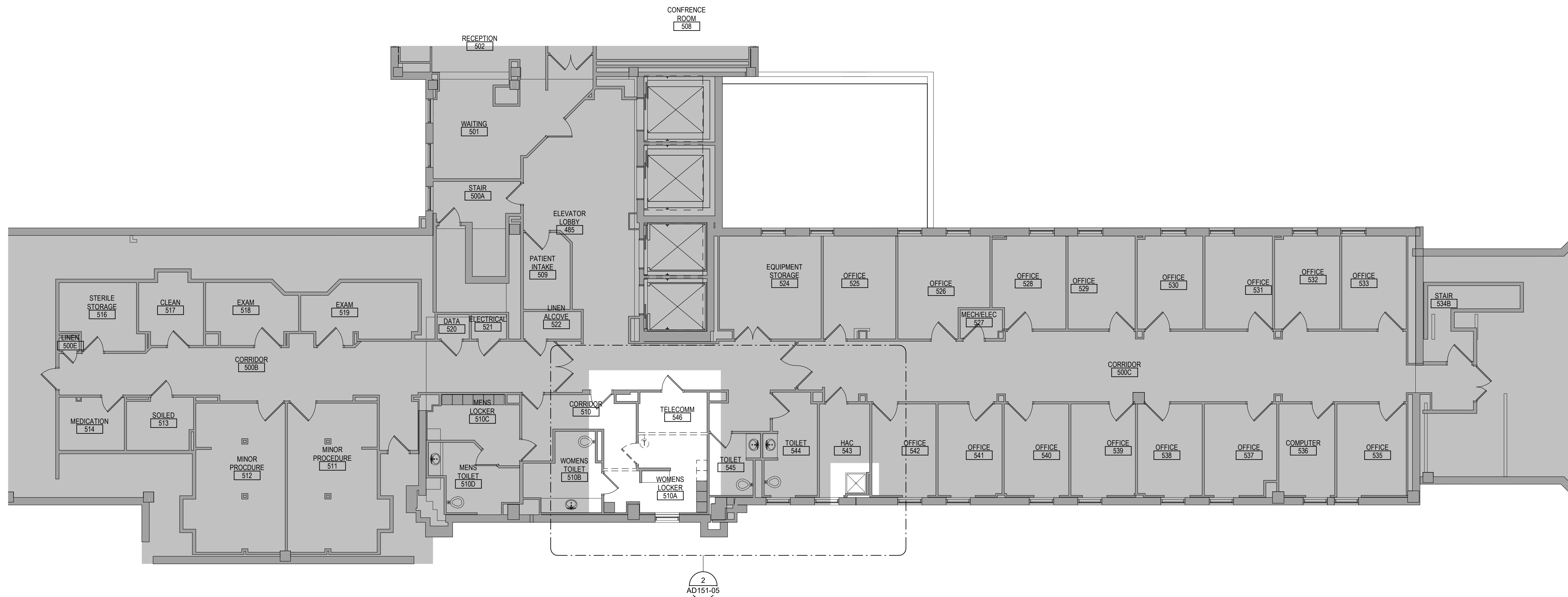
Drawn  
NMT

Project Number  
438-20-910

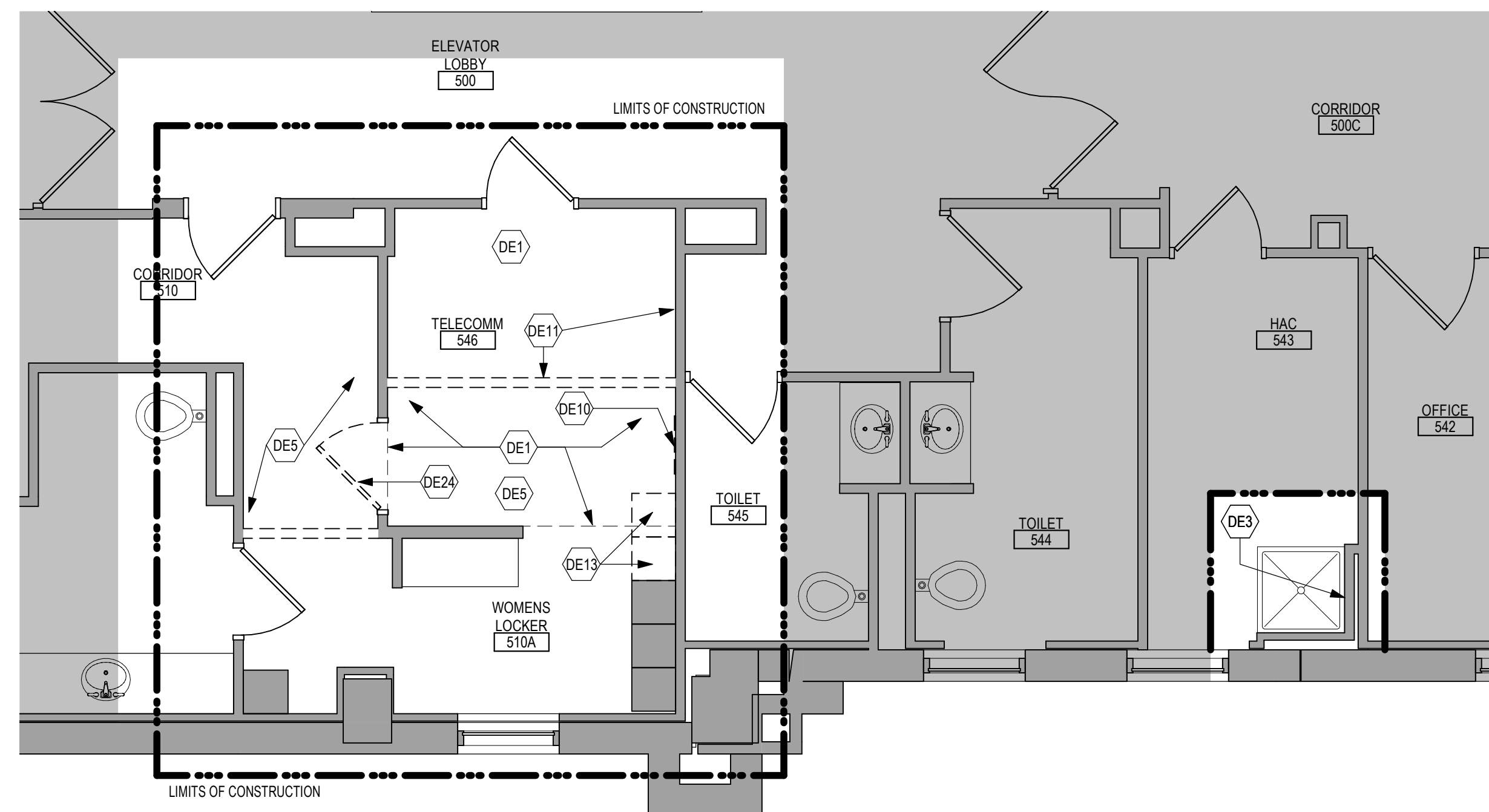
Building Number  
5

Drawing Number  
EE441-05-C





1 FIFTH LEVEL OVERALL DEMOLITION PLAN - BUILDING 5  
1/8" = 1'-0"



2 ENLARGED DEMOLITION PLAN - TELECOM 546 & WOMENS LOCKER 510A - BUILDING 5  
1/4" = 1'-0"

DEMOLITION GENERAL NOTES

- GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK, PHASING AND SEQUENCING WITH THE OWNER. ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THESE DOCUMENTS IS FOR ARCHITECT - OWNER PLANNING PURPOSES ONLY, UNLESS NOTED OTHERWISE.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES FOR THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
- WHERE PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE PARTITION ALONG WITH ALL ITEMS CONTAINED WITHIN, INCLUDING DOORS, FRAMES, HARDWARE, SIDELIGHTS, WINDOWS, MECHANICAL, AND ELECTRICAL EQUIPMENT, ETC. TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
- WHERE FLOOR FINISH IS INDICATED TO BE DEMOLISHED, REMOVE FINISH TO FLOOR SLAB AS REQUIRED AND PREPARE 3/4" SURFACE FOR SCHEDULED FINISHES WITHIN AREA TO BE REMODELED, UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE FOR EXISTING FLOOR FINISHES TO REMAIN UNDISTURBED.
- WHERE CEILING IS INDICATED TO BE DEMOLISHED, REMOVE CEILING SUSPENSION SYSTEM ALONG WITH ALL ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS, UNLESS NOTED OTHERWISE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF CONDUIT, PIPING AND DUCTWORK DEMOLITION WITHIN AREA TO BE REMODELED.
- WHERE INDICATED, REMOVE ALL WALL/PARTITION EXISTING FINISHES AND PREPARE THE SURFACES FOR SCHEDULED FINISHES. SEE FINISH SCHEDULE FOR FINISHES.
- ALL DISTURBED AREAS, WALLS, PARTITIONS, FLOORS, ETC. DAMAGED BY DEMOLITION WORK SHALL BE PATCHED TO MATCH ADJACENT AREA.
- OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL SALVAGED ITEMS SUCH AS: DOORS, LIGHT FIXTURES, PLUMBING FIXTURES ETC.
- SALVAGED ITEMS SCHEDULED FOR REUSE SHALL BE CLEANED, RESTORED AND/OR REFINISHED TO LIKE NEW CONDITION, UNLESS NOTED OTHERWISE.
- DO NOT REMOVE ANY EXISTING STRUCTURAL SUPPORT MEMBERS SUCH AS: COLLUMS, BEAMS, JOISTS, LOAD-BEARING PARTITIONS ETC. UNTIL ADEQUATE PERMANENT OR TEMPORARY SUPPORT IS IN PLACE. ALL EXISTING STRUCTURAL MEMBERS SHALL BE ADEQUATELY PROTECTED, COORDINATE WITH STRUCTURAL ENGINEER.
- SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION AND PREP WORK.
- WALL AND CEILING MOUNTED ITEMS SHOWN DASHED, SUCH AS WALL CABINETS, SHELVING, CURTAIN TRACKS, PROJECTION SCREENS ETC, SHALL BE REMOVED, UNLESS NOTED OTHERWISE.
- WITHIN ALL EXISTING ROOMS/SPACES RECEIVING SCHEDULED FLOOR, OR WALL OR CEILING FINISHES, REMOVE ALL EXISTING FLOOR, OR WALL OR CEILING FINISHES DOWN TO THE SUBSTRATE. INCLUDE THE REMOVAL OF ALL ITEMS LOCATED WITHIN THE EXISTING FINISH REMOVALS AND PATCH AND PREP ALL SUBSTRATES TO RECEIVE SCHEDULED FINISHES. FOR ADDITIONAL INFORMATION, SEE KEYNOTED ITEMS, FINISH PLANS AND/OR SCHEDULES, STRUCTURAL, MECHANICAL AND ELECTRICAL.
- THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE THE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.

DEMOLITION PLAN KEYED NOTES

- DE1 REMOVE FLOOR FINISH IN ITS ENTIRETY. PATCH & PREP FLOOR FOR SCHEDULED FINISH. SEE SPECIFICATION SECTION 09 05 16 SUBSURFACE PREPARATION FOR FLOOR FINISHES
  - DE2 REMOVE CEILING IN ITS ENTIRETY, INCLUDING ALL MECHANICAL & ELECTRICAL ITEMS. SEE MECHANICAL, ELECTRICAL
  - DE3 REMOVE GYP BD ON ONE SIDE OF PARTITION AS REQUIRED. SEE PLANS AND MECHANICAL, ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
  - DE4 CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF DOOR AND FRAME AS SCHEDULED. SEE PLAN
  - DE5 REMOVE PORTION OF CEILING AS REQUIRED. SEE PLANS FOR ADDITIONAL INFORMATION
  - DE6 REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED PIPING. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION
  - DE7 REMOVE BASE CABINETS, UPPER CABINETS, TALL CABINETS AND/OR COUNTERTOP
  - DE8 REMOVE CEILING IN THIS AREA AS REQUIRED FOR MEP WORK. SALVAGE CEILING WHERE APPROPRIATE FOR REINSTALLATION. SEE PLANS FOR ADDITIONAL WORK
  - DE9 REMOVE CONDUITS THROUGH FLOOR. SEE PLAN FOR ADDITIONAL INFORMATION
  - DE10 REMOVE PARTITION MOUNTED MIRROR AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION
  - DE11 REMOVE SURFACE MOUNTED PLYWOOD. TEMPORARILY SUPPORT ANY EQUIPMENT. SEE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION
  - DE12 REMOVE COVED CONCRETE BASE AT PARTITION.
  - DE13 REMOVE PREMANUFACTURED PLASTIC LOCKER(S). SALVAGE FOR REINSTALLATION
  - DE14 REMOVE RAISED FLOOR SYSTEM IN ITS ENTIRETY AND METAL RAMP
  - DE15 REMOVE PORTION OF MEMBRANE ROOFING SYSTEM. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION
  - DE16 REMOVE PORTION OF MEMBRANE ROOFING SYSTEM, IN PREPARATION FOR RESLOPING AND REROOFING. SEE FLOOR/ROOF PLAN FOR ADDITIONAL INFORMATION
  - DE17 REMOVE ROOF DRAIN AND ASSOCIATED PIPING. SEE MECHANICAL FOR ADDITIONAL INFORMATION
  - DE18 not used
  - DE19 CUT OPENING IN BRICK AND METAL STUD BACK UP WALL FOR DOOR AND FRAME AS SCHEDULED. SEE FLOOR PLAN FOR ADDITIONAL INFORMATION
  - DE20 REMOVE PARTIAL HEIGHT CERAMIC TILE AT SINK
  - DE21 REMOVE METAL RADIATOR COVER
  - DE22 REMOVE SURFACE APPLIED WALL COVERING, TRIM, VINYL BASE AND / OR CRASH HAND RAIL AS NEEDED
  - DE23 REMOVE DOOR, FRAME AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION. SEE PLAN
  - DE24 REMOVE ALUMINUM WINDOW SYSTEM AND ALL ASSOCIATED HARDWARE. REMOVE CAST STONE SILL, EXTERIOR, AND SOLID SURFACE SILL, INTERIOR.
  - DE25 CUT OPENING IN PARTITION AS REQUIRED FOR INSTALLATION OF EDGE ILLUMINATED PHOTO MURALS
  - DE26 SAW CUT FACE BRICK AND REMOVE PORTION OF WALL. SEE PLAN FOR ADDITIONAL INFORMATION
  - DE27
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

DEMOLITION PLAN SYMBOLS

	EXISTING WALL TO REMAIN		EXISTING DOOR AND FRAME TO REMAIN
	WALL OR PARTITION TO BE REMOVED		EXISTING DOOR AND FRAME TO BE DEMOLISHED
	DASHED LINE INDICATES ITEM TO BE REMOVED (UNO)		KEY NOTE
	GRIDLINE		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

NOTE: COORDINATE GENERAL DEMOLITION WORK WITH ABATEMENT AND REMEDIATION WORK.

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Revisions:	Date:

CONSULTANT



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Office of Construction and Facilities Management



Drawing Title  
FIFTH LEVEL OVERALL DEMOLITION PLAN - BUILDING 5

Approved:

Phase  
BID DOCUMENTS

FULLY SPRINKLERED

Project Title  
VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES

Location  
Sioux Falls, SD

Issue Date  
07/06/2021

Checked  
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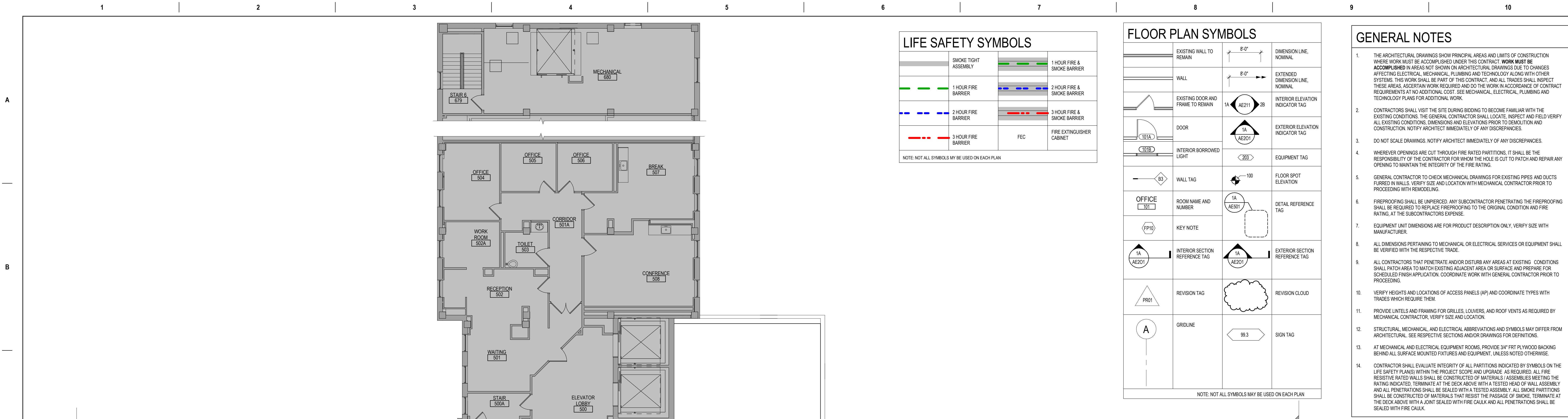
Drawn  
GJB

Project Number  
438-20-910

Building Number  
5

Drawing Number  
AD151-05





### LIFE SAFETY SYMBOLS

	SMOKE TIGHT ASSEMBLY		1 HOUR FIRE & SMOKE BARRIER
	1 HOUR FIRE BARRIER		2 HOUR FIRE BARRIER
	2 HOUR FIRE BARRIER		3 HOUR FIRE & SMOKE BARRIER
	3 HOUR FIRE BARRIER		FIRE EXTINGUISHER CABINET

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

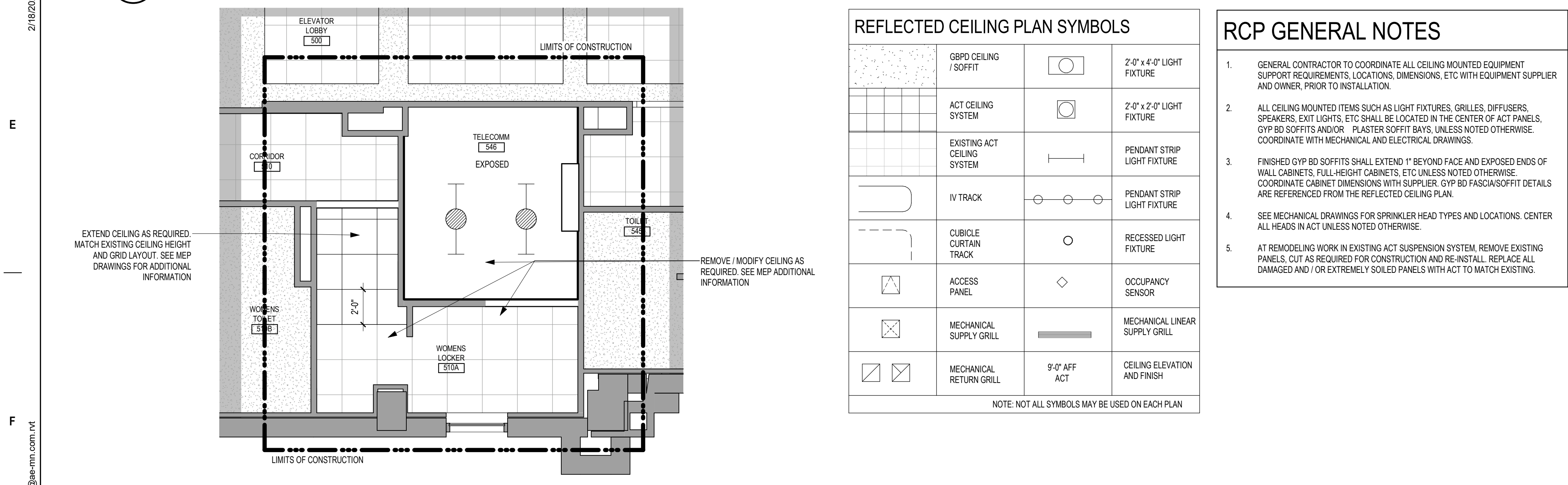
### FLOOR PLAN SYMBOLS

	EXISTING WALL TO REMAIN		DIMENSION LINE, NOMINAL
	WALL		EXTENDED DIMENSION LINE, NOMINAL
	EXISTING DOOR AND FRAME TO REMAIN		INTERIOR ELEVATION INDICATOR TAG
	DOOR		EXTERIOR ELEVATION INDICATOR TAG
	INTERIOR BORROWED LIGHT		EQUIPMENT TAG
	WALL TAG		FLOOR SPOT ELEVATION
	OFFICE		DETAIL REFERENCE TAG
	KEY NOTE		EXTERIOR SECTION REFERENCE TAG
	INTERIOR SECTION REFERENCE TAG		REVISION CLOUD
	REVISION TAG		REVISION CLOUD
	GRIDLINE		SIGN TAG

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

- ### GENERAL NOTES
- THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. WORK MUST BE ACCOMPLISHED IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL, PLUMBING AND TECHNOLOGY ALONG WITH OTHER SYSTEMS. THIS WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST. SEE MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY PLANS FOR ADDITIONAL WORK.
  - CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
  - DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
  - WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
  - GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
  - FIREPROOFING SHALL BE UNPERFORMED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING, AT THE SUBCONTRACTORS EXPENSE.
  - EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY. VERIFY SIZE WITH MANUFACTURER.
  - ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
  - ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
  - VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
  - PROVIDE LINTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR. VERIFY SIZE AND LOCATION.
  - STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
  - AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4" FRIT PLYWOOD BACKING BEHIND ALL SURFACE MOUNTED FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE.
  - CONTRACTOR SHALL EVALUATE INTEGRITY OF ALL PARTITIONS INDICATED BY SYMBOLS ON THE LIFE SAFETY PLANS WITHIN THE PROJECT SCOPE AND UPGRADE AS REQUIRED. ALL FIRE RESISTIVE RATED WALLS SHALL BE CONSTRUCTED OF MATERIALS ASSEMBLIES MEETING THE RATING INDICATED, TERMINATE AT THE DECK ABOVE WITH A TESTED HEAD OF WALL ASSEMBLY AND ALL PENETRATIONS SHALL BE SEALED WITH A TESTED ASSEMBLY. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED OF MATERIALS THAT RESIST THE PASSAGE OF SMOKE. TERMINATE AT THE DECK ABOVE WITH A JOINT SEALED WITH FIRE CAULK AND ALL PENETRATIONS SHALL BE SEALED WITH FIRE CAULK.

1 FIFTH LEVEL OVERALL FLOOR PLAN - BUILDING 5  
1/8" = 1'-0"

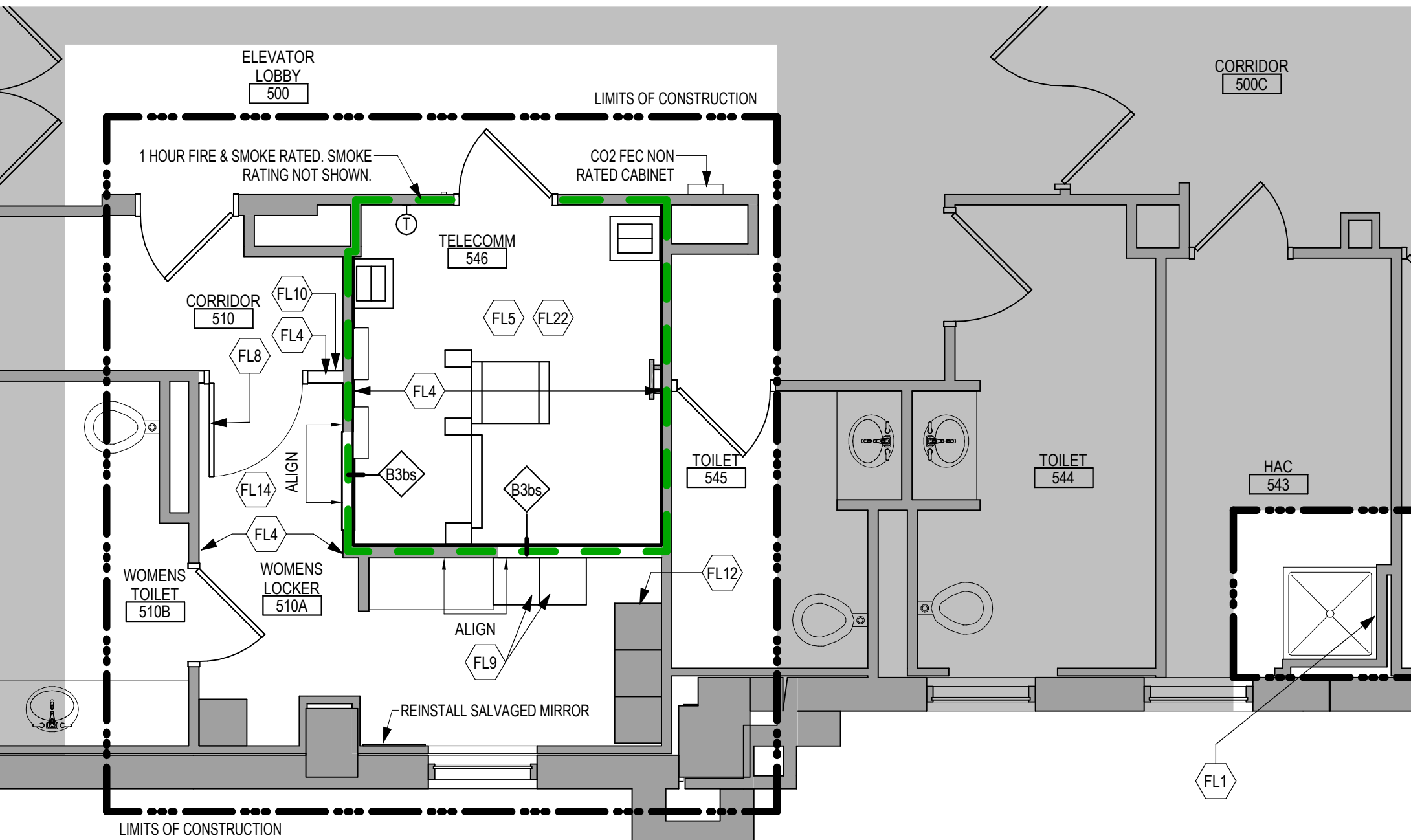


### REFLECTED CEILING PLAN SYMBOLS

	GYPD CEILING / SOFFIT		2'-0" x 4'-0" LIGHT FIXTURE
	ACT CEILING SYSTEM		2'-0" x 2'-0" LIGHT FIXTURE
	EXISTING ACT CEILING SYSTEM		PENDANT STRIP LIGHT FIXTURE
	IV TRACK		PENDANT STRIP LIGHT FIXTURE
	CUBICLE CURTAIN TRACK		RECESSED LIGHT FIXTURE
	ACCESS PANEL		OCCUPANCY SENSOR
	MECHANICAL SUPPLY GRILL		MECHANICAL LINEAR SUPPLY GRILL
	MECHANICAL RETURN GRILL		9'-0" AFF ACT
			CEILING ELEVATION AND FINISH

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

- ### RCP GENERAL NOTES
- GENERAL CONTRACTOR TO COORDINATE ALL CEILING MOUNTED EQUIPMENT SUPPORT REQUIREMENTS, LOCATIONS, DIMENSIONS, ETC WITH EQUIPMENT SUPPLIER AND OWNER, PRIOR TO INSTALLATION.
  - ALL CEILING MOUNTED ITEMS SUCH AS LIGHT FIXTURES, GRILLES, DIFFUSERS, SPEAKERS, EXIT LIGHTS, ETC SHALL BE LOCATED IN THE CENTER OF ACT PANELS. GYP BD SOFFITS AND/OR PLASTER SOFFIT BAYS, UNLESS NOTED OTHERWISE, COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.
  - FINISHED GYP BD SOFFITS SHALL EXTEND 1" BEYOND FACE AND EXPOSED ENDS OF WALL CABINETS, FULL-HEIGHT CABINETS, ETC UNLESS NOTED OTHERWISE. COORDINATE CABINET DIMENSIONS WITH SUPPLIER. GYP BD FASCIA/SOFFIT DETAILS ARE REFERENCED FROM THE REFLECTED CEILING PLAN.
  - SEE MECHANICAL DRAWINGS FOR SPRINKLER HEAD TYPES AND LOCATIONS. CENTER ALL HEADS IN ACT UNLESS NOTED OTHERWISE.
  - AT REMODELING WORK IN EXISTING ACT SUSPENSION SYSTEM, REMOVE EXISTING PANELS, CUT AS REQUIRED FOR CONSTRUCTION AND RE-INSTALL, REPLACE ALL DAMAGED AND / OR EXTREMELY SOILED PANELS WITH ACT TO MATCH EXISTING.



- ### FLOOR PLAN KEYED NOTES
- PATCH PARTITION, BOTH SIDES, AS REQUIRED FROM MECHANICAL / ELECTRICAL WORK. SEE MECHANICAL / ELECTRICAL FOR ADDITIONAL INFORMATION.
  - PROVIDE PARTITION TYPE XP3 INFILL AT REMOVED RADIATOR GRILLES. PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
  - INFILL FLOOR TO MATCH EXISTING HEIGHT. SEE STRUCTURAL.
  - PATCH PARTITION, WITH MATERIALS TO MATCH EXISTING ADJACENT SURFACES. AS REQUIRED FROM DEMOLITION, WHERE EXISTING FINISHES ARE DISTURBED PAINT TO MATCH ADJACENT FINISH. PAINT ENTIRE WALL OF EXISTING INTERIOR SPACES WHERE PATCHING OCCURS.
  - PROVIDE PLYWOOD 3 SIDES OF ROOM. SEE TYPICAL ELEVATIONS SHEET AE211
  - INFILL OPENING IN CONCRETE FLOOR. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. PREP FLOOR FOR FINISHES AS SCHEDULED.
  - PATCH FLOOR AT REMOVED ELECTRICAL. PREP FLOOR FOR FINISHES AS SCHEDULED.
  - REINSTALL SALVAGED DOOR, FRAME AND ALL ASSOCIATED HARDWARE.
  - REINSTALL SALVAGED LOCKER(S). PROVIDE PREMANUFACTURED BASE, FINISHED END PANEL(S) AND SLOPED TOP(S) TO MATCH EXISTING.
  - REINSTALL SALVAGED SIGN(S)
  - REINSTALL SALVAGED CEILING (REMOVED) FOR INSTALLATION OF MEP ITEMS. SEE MEP PLANS FOR ADDITIONAL INFORMATION.
  - MODIFY BASE AND SLOPED TOP AT EXISTING LOCKERS. PROVIDE PREMANUFACTURED FINISHED END PANEL(S) TO MATCH EXISTING.
  - PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 3 / AF600
  - PATCH FLOORING TO MATCH EXISTING FLOORING AS REQUIRED. CONTRACTOR TO PROVIDE LABOR AND MATERIALS.
  - PATCH CONCRETE FLOOR AT REMOVED PARTITION AND/OR CONCRETE COVE BASE. PREP FOR FINISHES AS SCHEDULED.
  - EDGE ILLUMINATED PHOTO MURALS, RECESSED IN PARTITION. FOR ADDITIONAL INFORMATION SEE ELEVATION 8 / AE211
  - FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 2 / AF600
  - PAINT WALLS P-1
  - PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 4 / AF600
  - FINISH WALLS TO MATCH EXISTING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 5 / AF600
  - PATCH EXISTING FINISHES DISTURBED BY CONSTRUCTION. WALL AND CEILING. CONTRACTOR TO PROVIDE LABOR AND MATERIALS. REFER TO MATERIAL AND ROOM FINISH SCHEDULE AND DETAIL 6 / AF600
  - UPGRADE PARTITIONS TO 1 HOUR FIRE AND SMOKE BARRIER ALL SIDES OF ROOM. PROVIDE TESTED HEAD OF PARTITION ASSEMBLY WITH MATERIALS THAT RESIST THE PASSAGE OF SMOKE. SEAL JOINT AT HEAD OF PARTITION AND ALL PENETRATIONS WITH FIRE CAULK.
- NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

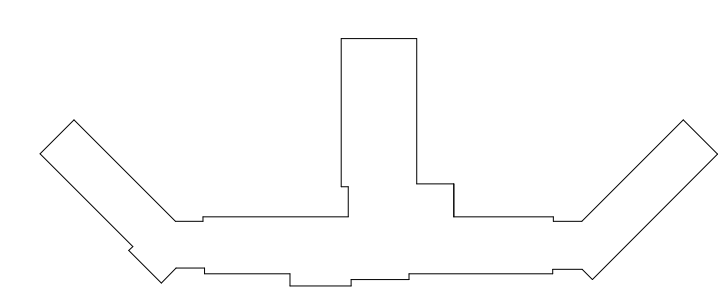
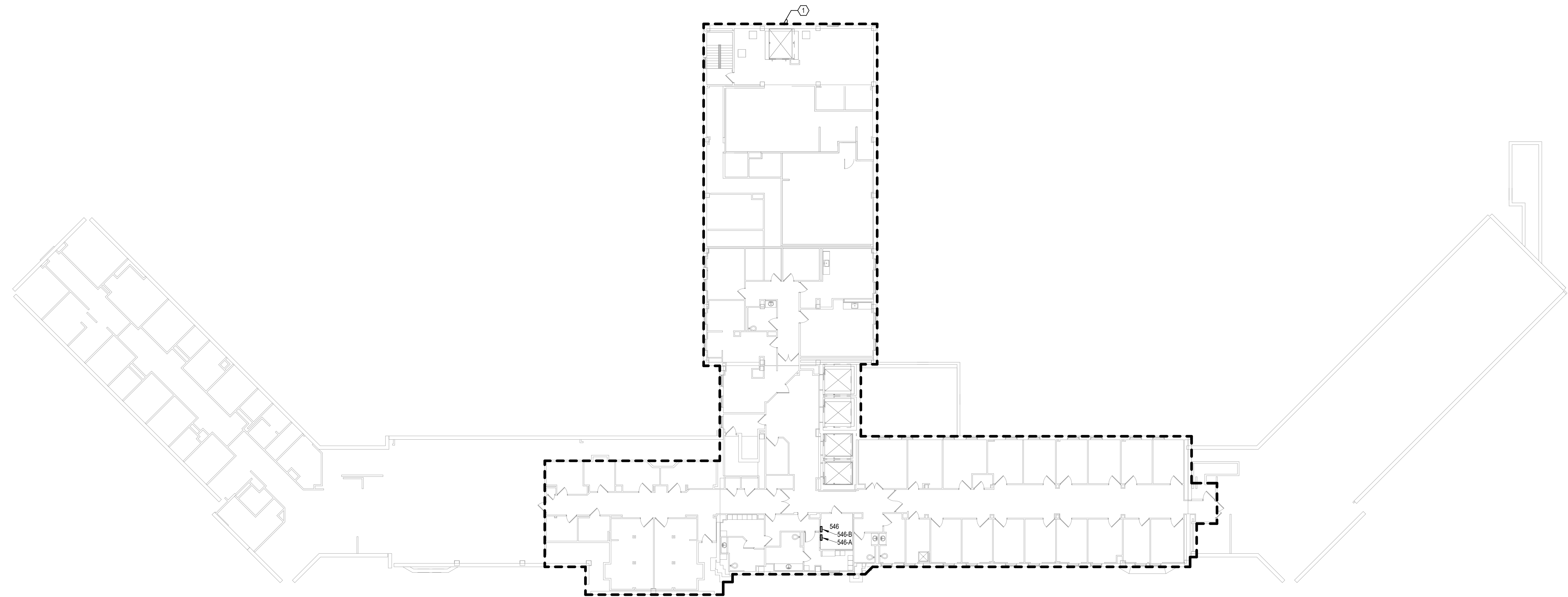
3 ENLARGED REFLECTED CEILING PLAN - FIFTH LEVEL - BUILDING 5  
1/4" = 1'-0"

2 ENLARGED FLOOR PLAN - TELECOM 546 & WOMENS LOCKER 510A - BUILDING 5  
1/4" = 1'-0"

<b>CONSULTANT</b>  <b>AST</b>	<b>ARCHITECT/ENGINEER OF RECORD</b>  <b>ANDERSON</b>	<b>Office of Construction and Facilities Management</b>  U.S. Department of Veterans Affairs	Drawing Title <b>FIFTH LEVEL OVERALL &amp; ENLARGED FLOOR &amp; REFLECTED CEILING PLAN - BUILDING 5</b>	Phase <b>BID DOCUMENTS</b>	Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b>	Project Number <b>438-20-910</b>	
			Approved:	FULLY SPRINKLERED	Location Sioux Falls, SD	Building Number <b>5</b>	
Revisions:	Date:	SPECIALIZED ENGINEERING SOLUTIONS 10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5530 www.specializedeng.com	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 # 16090	Issue Date 02/18/2022	Checked Checker	Drawn GJB	Drawing Number <b>AE151-05</b>



**SHEET NOTES:**  
 1. AREA CONTAINS CAT 6 CABLING FEED FROM ROOM 546. NO RE-CABLING IS ANTICIPATED IN THIS AREA.



**KEYPLAN**

1 FIFTH LEVEL ELECTRICAL FLOOR PLAN - BUILDING 5 - OVERALL  
 1/16" = 1'-0"

BIM 360/202555.000 - VA Sioux Falls EHRM/202555.000 - VA Sioux Falls EHRM/202555.000 - VA Sioux Falls EHRM/202555.000  
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Revisions:	Date:


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**SPECIALIZED ENGINEERING SOLUTIONS**

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**STAMP**



Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title  
**FIFTH LEVEL OVERALL FLOOR PLAN - BUILDING 5**

Approved: \_\_\_\_\_

Phase  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location  
 Sioux Falls, SD

Issue Date  
 07/06/2021

Checked  
 KSB

Drawn  
 NMT

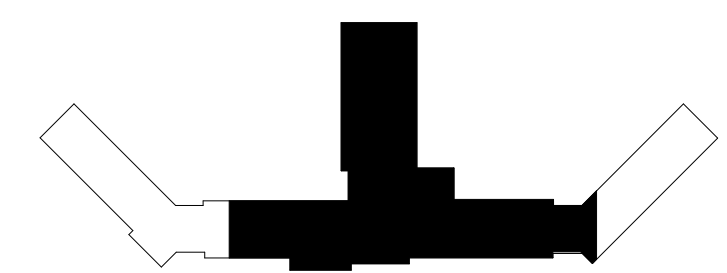
Project Number  
 438-20-910

Building Number  
 5

Drawing Number  
**EE151-05**

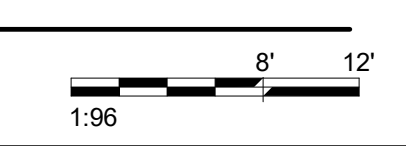
- GENERAL NOTES:**
- COVER SHEET GENERAL NOTES APPLY TO ALL SHEETS.
  - ON DEMOLITION PLANS, EXISTING MECHANICAL SYSTEMS TO BE REMOVED ARE SHOWN DASHED, EXISTING MECHANICAL SYSTEMS TO REMAIN ARE SHOWN LIGHT LINE WEIGHT. ON ALL OTHER PLANS, NEW MECHANICAL SYSTEMS ARE INDICATED WITH HEAVY LINE WEIGHTS.
  - UNLESS NOTED OTHERWISE, DETAILS SHOWN WITHIN THESE DOCUMENTS ARE APPLICABLE FOR ALL PIPING, EQUIPMENT AND DUCTWORK INSTALLATIONS WHETHER OR NOT SPECIFICALLY NOTED.
  - THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR THE MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THIS WORK.

- SHEET NOTES:**
- REMOVE THERMOSTAT AND RETAIN FOR RELOCATION.
  - DEMOLISH RETURN AIR GRILLES AND ASSOCIATED DUCTWORK BACK TO MAINS AND CAP.
  - DEMOLISH SUPPLY AIR SERVING TELECOM ROOM BACK TO MAIN AND CAP. SUPPLY DUCT SERVING ADJACENT SPACE TO REMAIN.



**KEYPLAN**

**1** FIFTH LEVEL MECHANICAL DEMOLITION FLOOR PLAN - BUILDING 5  
1/8" = 1'-0"



Revisions:	Date:

**CONSULTANT**




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**STAMP**

Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title

**FIFTH LEVEL MECHANICAL DEMOLITION PLAN - BUILDING 5 - AREA A**

Approved:

Phase

**BID DOCUMENTS**

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**FULLY SPRINKLERED**

Project Title

**VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES**

Location

Sioux Falls, SD

Issue Date

02/18/2022

Checked

EGS

Drawn

PHV

Project Number

438-20-910

Building Number

5

Drawing Number

MD151-05

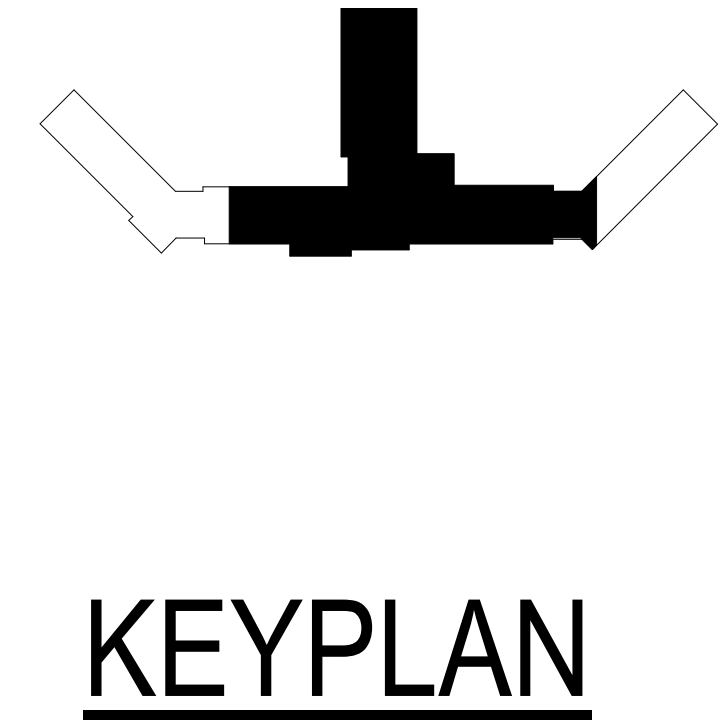


**GENERAL NOTES:**

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**SHEET NOTES:**

- INSTALL EXISTING THERMOSTAT ON NEW WALL.
- ROUTE CONDENSATE TO MOP SINK.



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**1** FIFTH LEVEL PIPING FLOOR PLAN - BUILDING 5  
1/8" = 1'-0"

Revisions:	Date:

<b>CONSULTANT</b>   <b>AST</b>	<b>ARCHITECT/ENGINEER OF RECORD</b>   <b>SPECIALIZED ENGINEERING SOLUTIONS</b> <small>10360 Ellison Circle Omaha, NE 68134 Phone: 402.991.5520 www.specializedeng.com</small>	 <b>ANDERSON</b> <small>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 # 16090</small>	<b>STAMP</b> 	<b>Office of Construction and Facilities Management</b>  U.S. Department of Veterans Affairs	Drawing Title <b>FIFTH LEVEL PIPING FLOOR PLAN - BUILDING 5</b>  Approved: _____	Phase <b>BID DOCUMENTS</b>  <b>FULLY SPRINKLERED</b>	Project Title <b>VAMC SIOUX FALLS EHRM INFRASTRUCTURE UPGRADES</b>  Location Sioux Falls, SD Issue Date 07/06/2021	Project Number 438-20-910 Building Number 5 Drawing Number MP151-05
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