

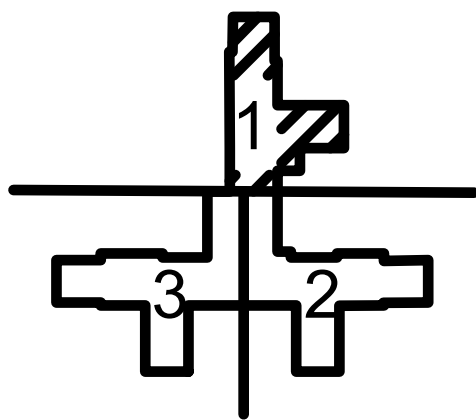
1 FLOOR PLAN - PARTIAL - BLDG. 1 - 7F - AREA 1

GENERAL NOTES

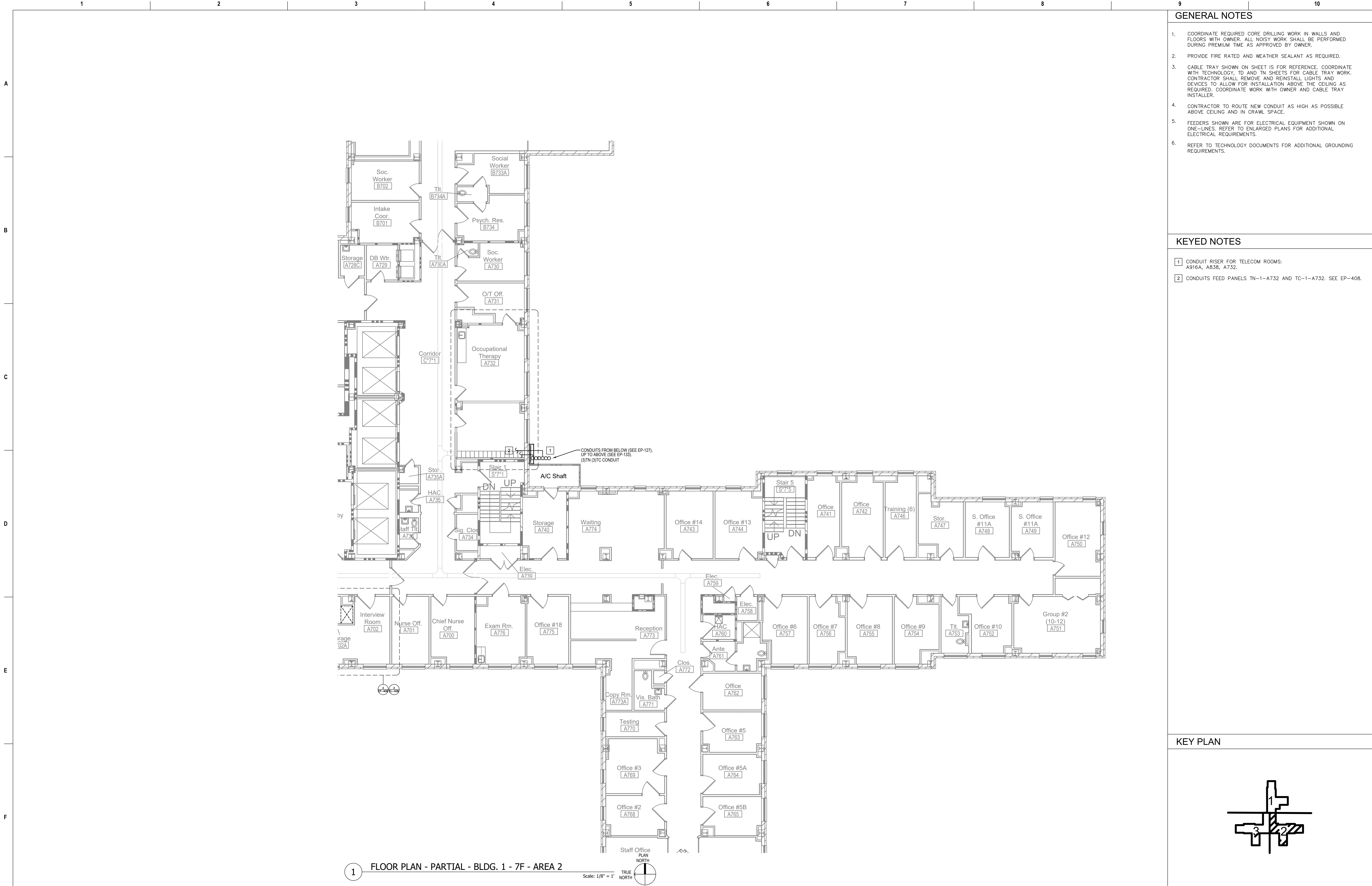
- COORDINATE REQUIRED CORE DRILLING WORK IN WALLS AND FLOORS WITH OWNER. ALL NOISY WORK SHALL BE PERFORMED DURING PREMIUM TIME AS APPROVED BY OWNER.
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- REFER TO TECHNOLOGY DOCUMENTS FOR ADDITIONAL GROUNDING REQUIREMENTS.

KEYED NOTES

KEY PLAN


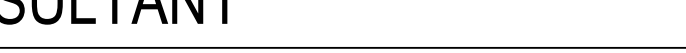




Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number	
			Ross & Baruzzini		HFS		FLOOR PLAN - PARTIAL - BLDG. 1 - 7F - AREA 1		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6608 www.hfscorporation.com jbianco@hfscorporation.com		Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Building Number C1	
											Issue Date 04-MAY-2022		Checked BKM	
											Drawn CB		Drawing Number EP-129-C.1.7	



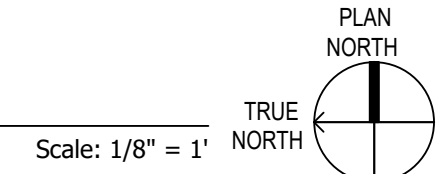
1 FLOOR PLAN - PARTIAL - BLDG. 1 - 7F - AREA 2

Scale: 1/8" = 1' TRUE NORTH

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT				Construction and Facilities Management		Drawing Title		Phase		Project Title			Project Number	
			 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		 C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6608 www.hfscorporation.com jbianco@hfscorporation.com		 U.S. Department of Veterans Affairs		FLOOR PLAN - PARTIAL - BLDG.1 - 7F - AREA 2		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES			539-21-701			
											Building Number C1								
									Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH			Drawing Number			
													Issue Date		Checked		Drawn		
													04-MAY-2022		BKM		CB		
																	EP-130-C.1.		



1 FLOOR PLAN - PARTIAL - BLDG. 1 - 7F - AREA 3



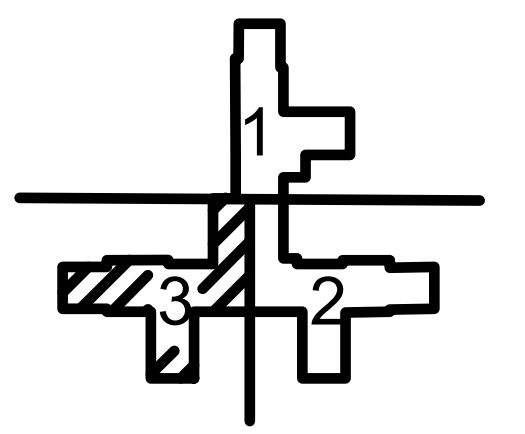
GENERAL NOTES


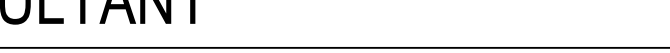


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KEYED NOTES

- A916A AND A838 RISER.
- CONDUITS FEED TO TN-1-A732 AND TC-1-A732. SEE ENLARGED PLAN.

KEY PLAN



Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT				Drawing Title		Phase		Project Title		Project Number		
			 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		 C O M P A N Y 8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com Phone: (210) 816-4784 Fax: (210) 881-6808 jbiano@hfscorporation.com		Construction and Facilities Management  U.S. Department of Veterans Affairs		FLOOR PLAN - PARTIAL - BLDG.1 - 7F - AREA 3		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701		
											Building Number C1						
											Drawing Number						
											EP-131-C.1.7						
							Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Drawing Number				
											Issue Date		Checked		Drawn		
											04-MAY-2022		BKM		CB		



1 FLOOR PLAN - PARTIAL - BLDG. 1 - 8F - AREA 1

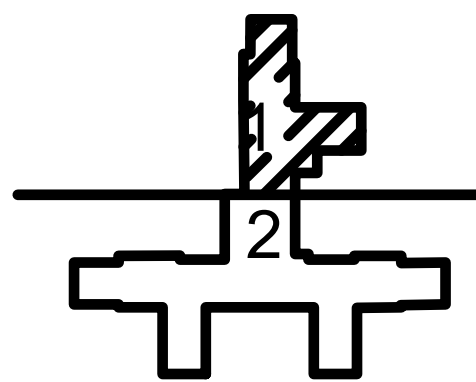
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KEYED NOTES

KEY PLAN



Revisions:	Date:

CONSULTANT

Ross & Baruzzini

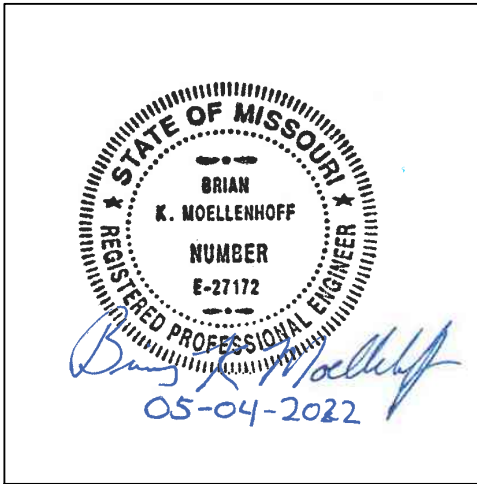
6 SOUTH OLD ORCHARD
WEBSTER GROVES, MO. 63119
T: 314.918.8383
F: 314.918.1766

PROJECT MANAGEMENT

HFS

C O M P A N Y

8718 Botts Lane Phone: (210) 816-4784
San Antonio, Texas 78217 Fax: (210) 881-6608
www.hfscorporation.com jbianco@hfscorporation.com



Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

FLOOR PLAN - PARTIAL - BLDG. 1 - 8F - AREA 1

Approved: Project Director

Phase

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title

CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES

Location 3200 VINE ST., CINCINNATI, OH

Issue Date 04-MAY-2022

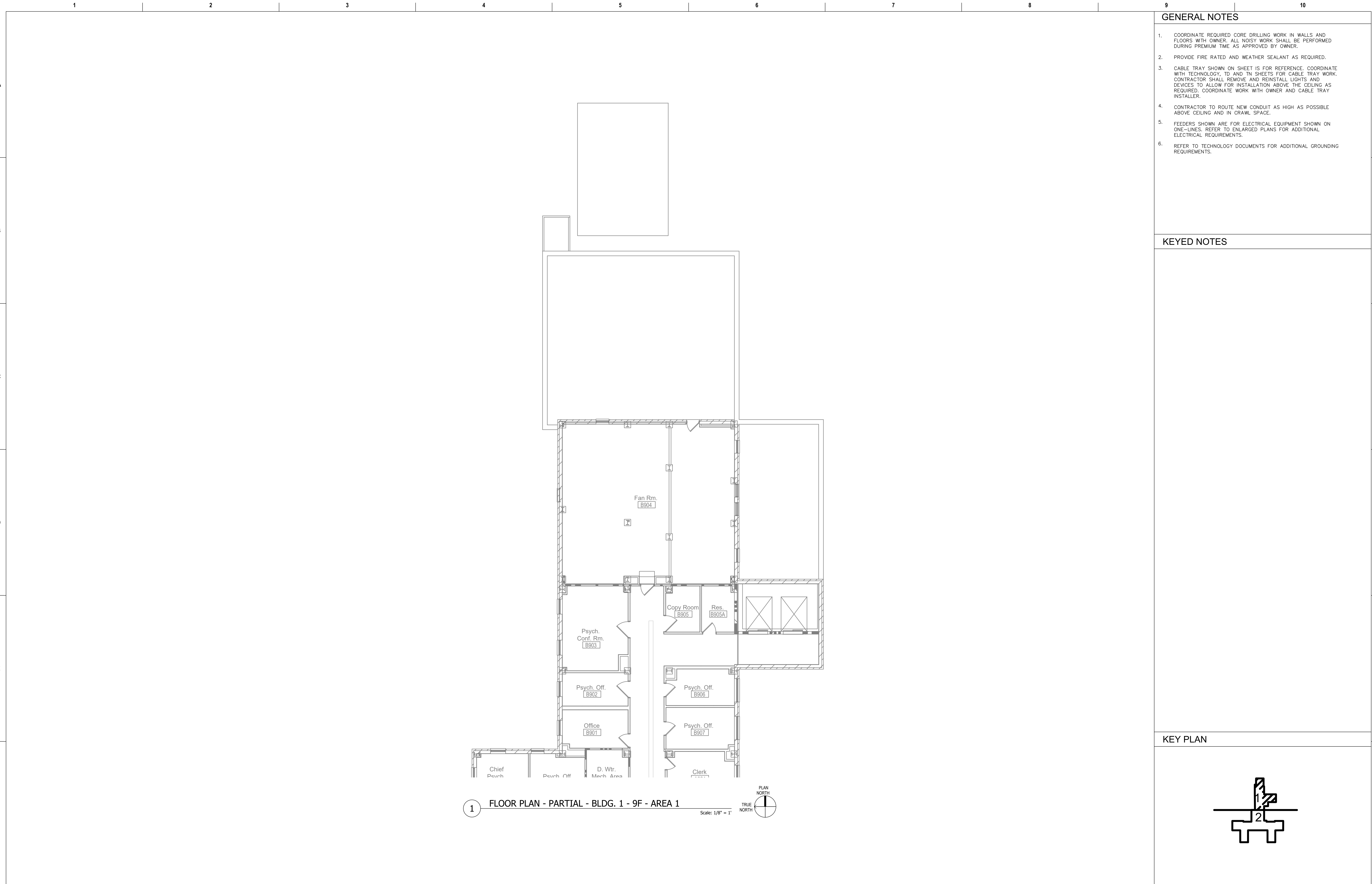
Checked BKM

Drawn CB

Project Number 539-21-701

Building Number C1

Drawing Number EP-132-C.1.8

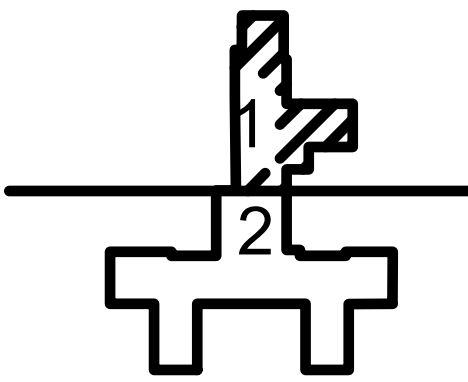


GENERAL NOTES

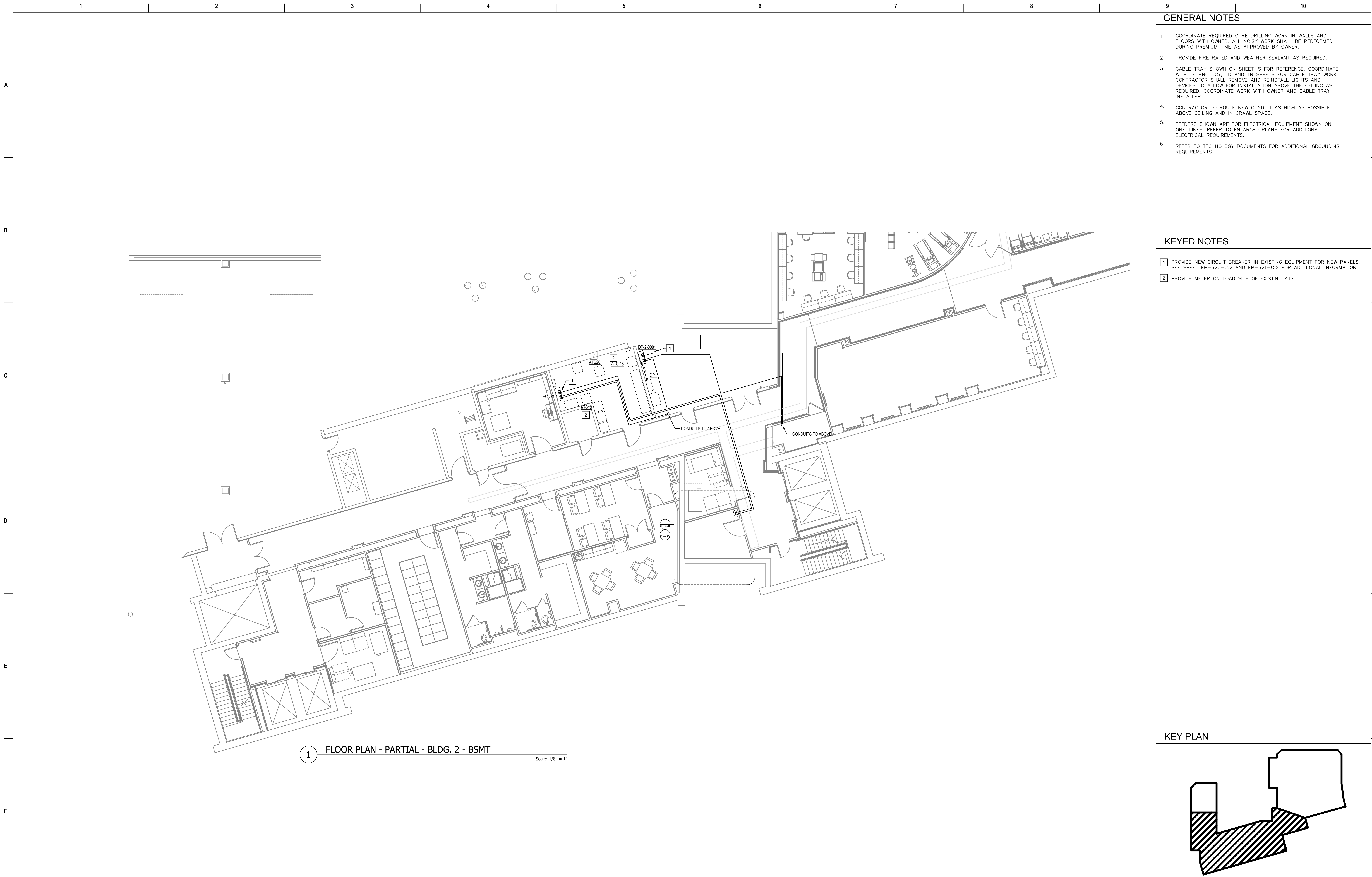
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KEYED NOTES

KEY PLAN



Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number	
			Ross & Baruzzini 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		HFS C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6608 www.hfscorporation.com jbianco@hfscorporation.com		FLOOR PLAN - PARTIAL - BLDG.1 - 9F		100% CONSTRUCTION		CINCINNATI VAMC EHRM		539-21-701	
							- AREA 1		DOCUMENTS		INFRASTRUCTURE UPGRADES		Building Number	
							Approved: Project Director		FULLY SPRINKLERED		Location		Drawing Number	
											3200 VINE ST., CINCINNATI, OH		EP-134-C.1.9	
											Issue Date		Checked	
											04-MAY-2022		BKM	
													Drawn	
													CB	



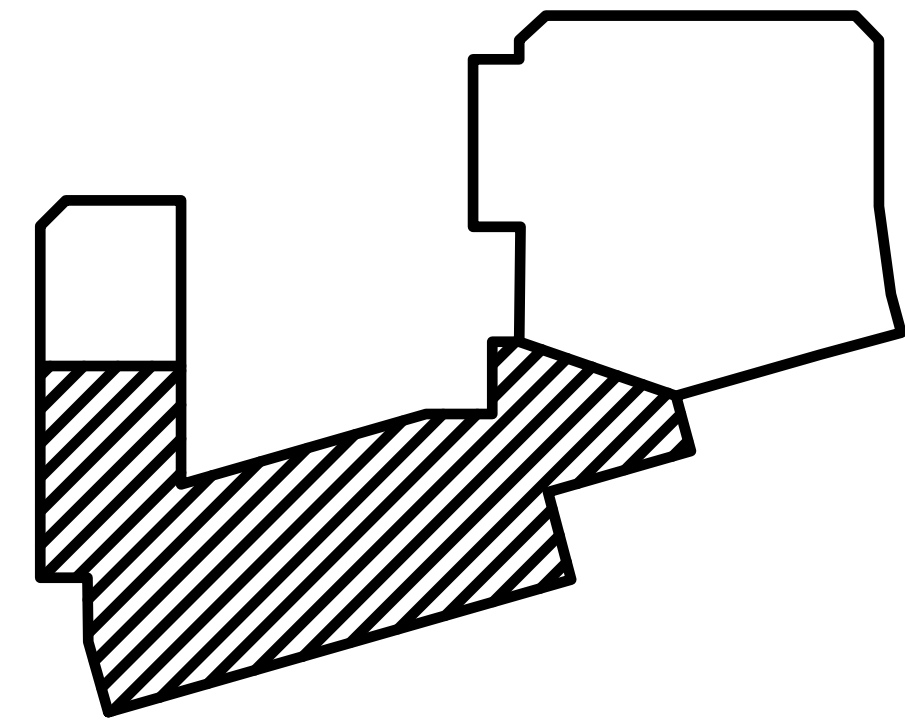
GENERAL NOTES

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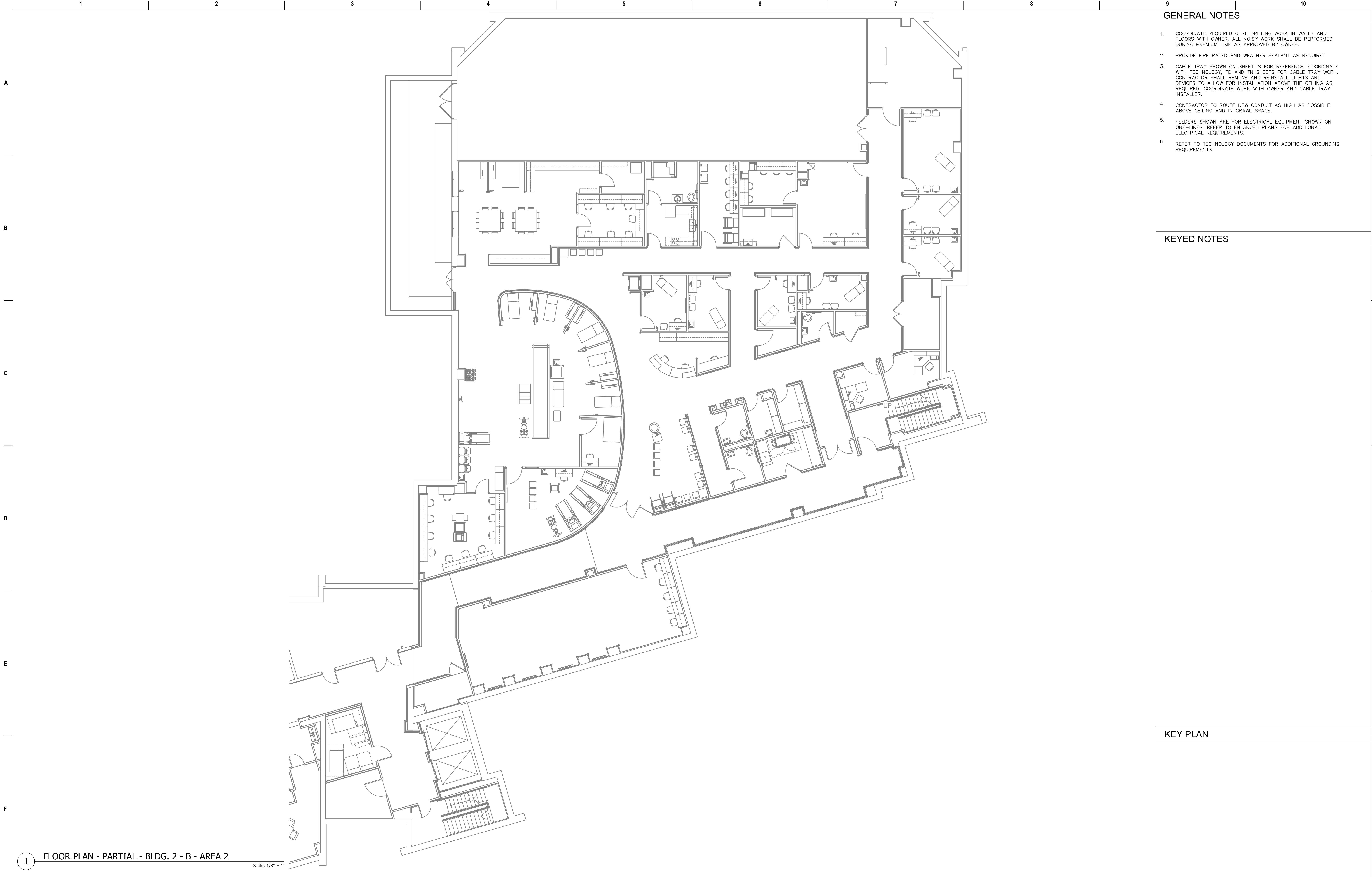
KEYED NOTES

- PROVIDE NEW CIRCUIT BREAKER IN EXISTING EQUIPMENT FOR NEW PANELS. SEE SHEET EP-620-C.2 AND EP-621-C.2 FOR ADDITIONAL INFORMATION.
- PROVIDE METER ON LOAD SIDE OF EXISTING ATS.

KEY PLAN



Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number	
			Ross & Baruzzini		HFS		FLOOR PLAN - PARTIAL - BLDG.2 - BSMT		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscorporation.com jbianco@hfscorporation.com		Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Building Number C2	
											Issue Date 04-MAY-2022		Checked BKM	
											Drawn CB		Drawing Number EP-136-C.2.B	



1 FLOOR PLAN - PARTIAL - BLDG. 2 - B - AREA 2

Scale: 1/8" = 1'

GENERAL NOTES

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KEYED NOTES

KEY PLAN

Revisions:	Date:

CONSULTANT

Ross & Baruzzini

6 SOUTH OLD ORCHARD
WEBSTER GROVES, MO. 63119
T: 314.918.8383
F: 314.918.1766

PROJECT MANAGEMENT

HFS
C O M P A N Y

8718 Botts Lane Phone: (210) 816-4784
San Antonio, Texas 78217 Fax: (210) 881-6808
www.hfscorporation.com jbianco@hfscorporation.com



Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title
FLOOR PLAN - PARTIAL - BLDG.2 -
BSMT - AREA 2

Approved: Project Director

Phase
100% CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
CINCINNATI VAMC EHRM
INFRASTRUCTURE UPGRADES

Location
3200 VINE ST., CINCINNATI, OH

Issue Date
04-MAY-2022

Checked
BKM

Drawn
CB

Project Number
539-21-701
Building Number
C2

Drawing Number
EP-137-C.2.B



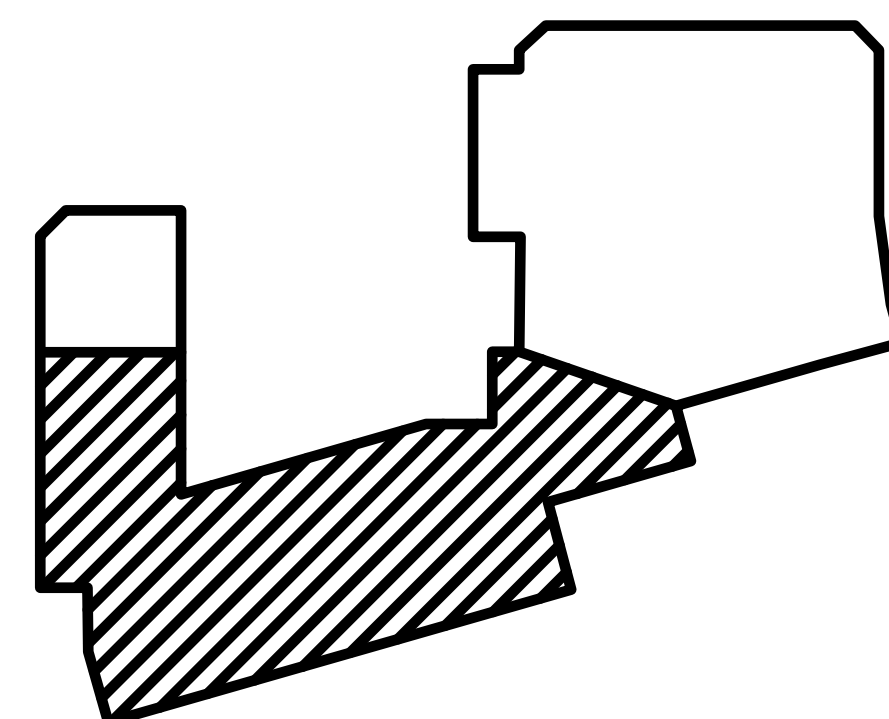
1 FLOOR PLAN - PARTIAL - BLDG. 2 - 1F
Scale: 1/8" = 1'

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			Ross & Baruzzini		HFS		FLOOR PLAN - PARTIAL - BLDG.2 - 1F		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		C O M P A N Y 8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com		Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Building Number C2	
					Phone: (210) 816-4784 Fax: (210) 881-6808 jbiano@hfscorporation.com						Issue Date 04-MAY-2022		Drawing Number EP-138-C.2.1	
											Checked BKM		Drawn CB	






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KEYED NOTES

KEY PLAN

1 FLOOR PLAN - PARTIAL - BLDG. 2 - 1F - AREA 2

Scale: 1/8" = 1'

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Construction and Facilities Management		Drawing Title	Phase	Project Title	Project Number
									FLOOR PLAN - PARTIAL - BLDG. 2 - 1F - AREA 2	100% CONSTRUCTION DOCUMENTS	CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES	539-21-701
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com		U.S. Department of Veterans Affairs		Approved: Project Director	FULLY SPRINKLERED	3200 VINE ST., CINCINNATI, OH	C2
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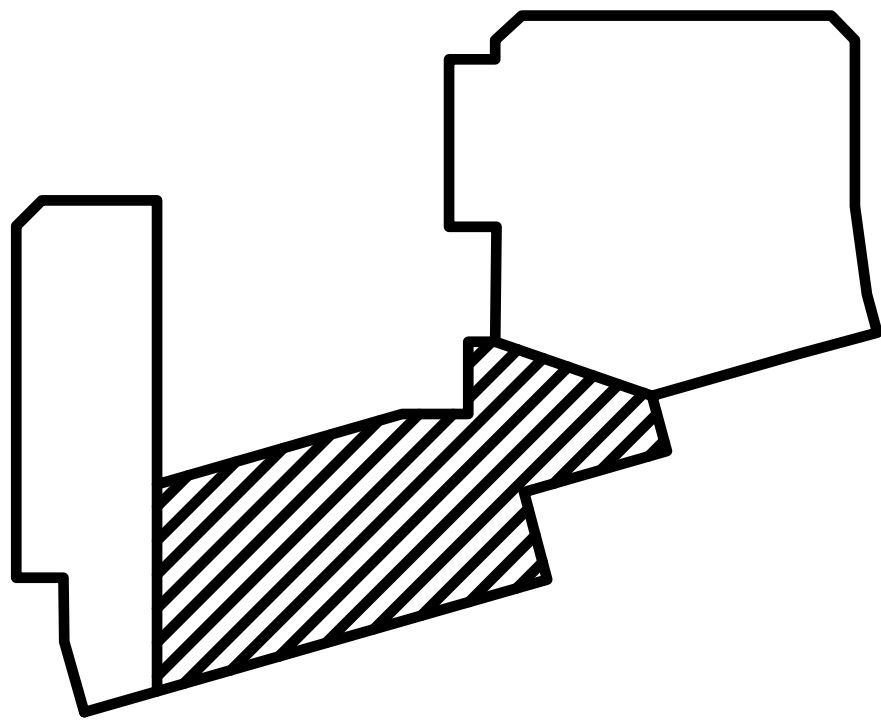


GENERAL NOTES

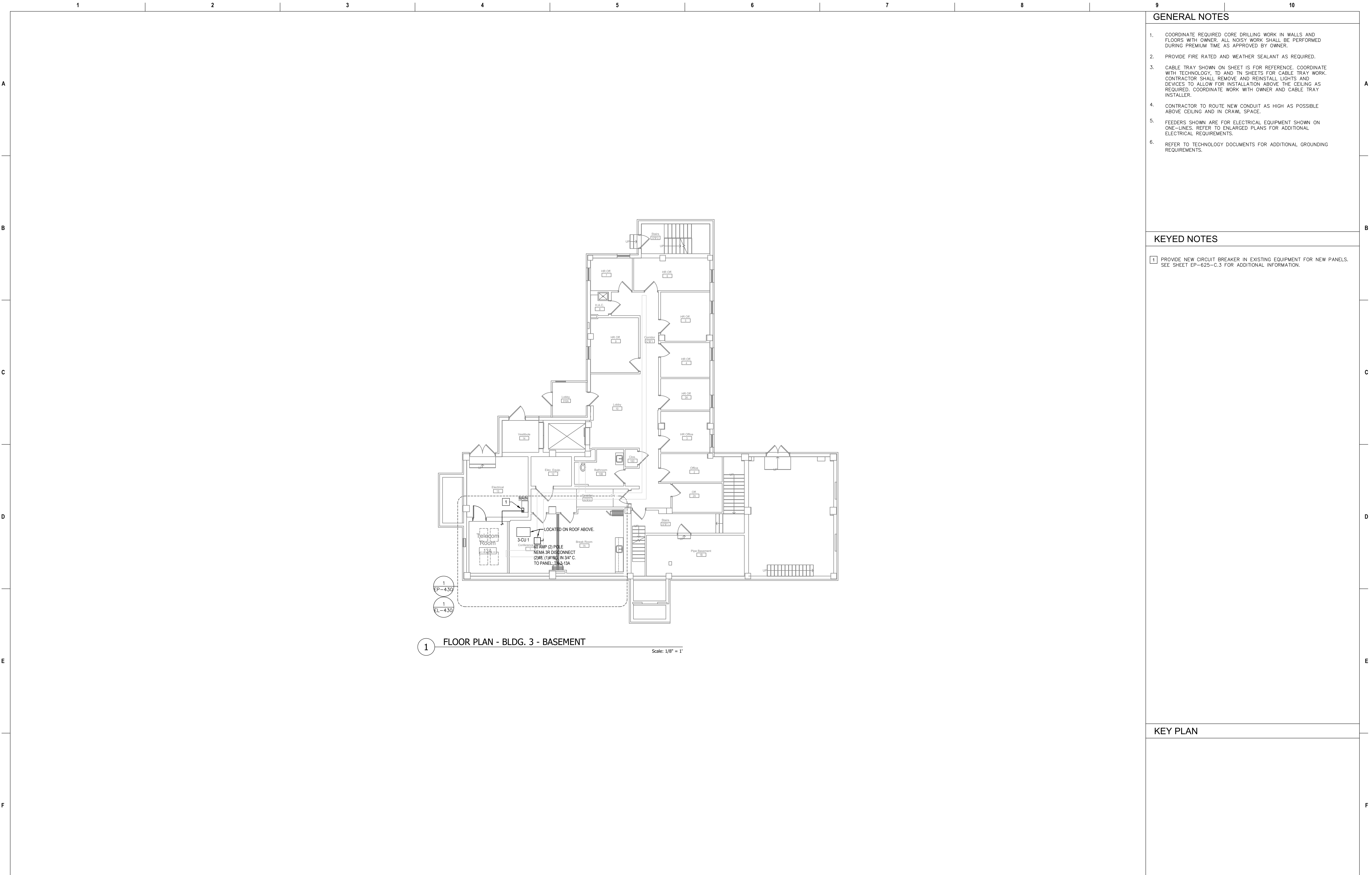
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KEYED NOTES

KEY PLAN



Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number	
			Ross & Baruzzini		HFS		FLOOR PLAN - PARTIAL - BLDG.2 - 2F		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscorporation.com jbianco@hfscorporation.com		Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Building Number C2	
											Issue Date 04-MAY-2022		Checked BKM	
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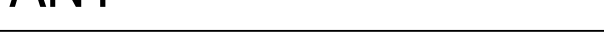



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KEYED NOTES

- 1 PROVIDE NEW CIRCUIT BREAKER IN EXISTING EQUIPMENT FOR NEW PANELS. SEE SHEET EP-625-C.3 FOR ADDITIONAL INFORMATION.

KEY PLAN

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number			
			<div><p>6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766</p></div>		<div><p>C O M P A N Y</p><p>8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscompany.com jbianco@hfscompany.com</p></div>		<div></div>		<div>Construction and Facilities Management</div> <div> U.S. Department of Veterans Affairs</div>		<div>100% CONSTRUCTION DOCUMENTS</div> <div>FULLY SPRINKLERED</div>		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
Building Number C3																
Drawing Number																
EP-142-C.3.B																
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F

- ## KEYED NOTES

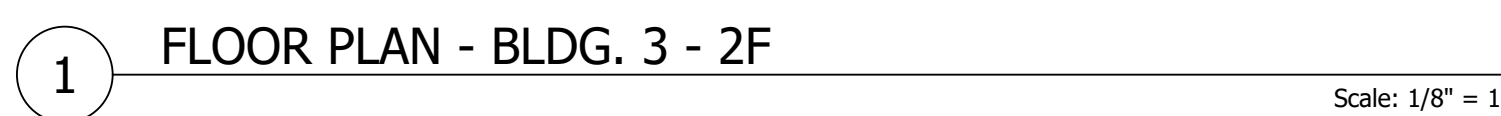


Scale: $1/8'' = 1'$

KEY PLAN

F

- ## KEYED NOTES



KEY PLAN

1	2	3	4	5	6	7	8	9	10
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FLOOR PLAN - BLDG. 3 - 3F

Scale: 1/8" = 1'

GENERAL NOTES

1. COORDINATE REQUIRED CORE DRILLING WORK IN WALLS AND FLOORS WITH OWNER. ALL NOISY WORK SHALL BE PERFORMED DURING PREMIUM TIME AS APPROVED BY OWNER.

2. PROVIDE FIRE RATED AND WEATHER SEALANT AS REQUIRED.

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4. CONTRACTOR TO ROUTE NEW CONDUIT AS HIGH AS POSSIBLE ABOVE CEILING AND IN CRAWL SPACE.

5. FEEDERS SHOWN ARE FOR ELECTRICAL EQUIPMENT SHOWN ON ONE-LINES. REFER TO ENLARGED PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.

6. REFER TO TECHNOLOGY DOCUMENTS FOR ADDITIONAL GROUNDING REQUIREMENTS.

KEYED NOTES

KEY PLAN

Revisions:

Date:

CONSULTANT

Ross & Baruzzini

6 SOUTH OLD ORCHARD
WEBSTER GROVES, MO. 63119
T: 314.918.8383
F: 314.918.1766

PROJECT MANAGEMENT

HFS

C O M P A N Y

8718 Botts Lane
San Antonio, Texas 78217
www.hfscorporation.com

Phone: (210) 816-4784
Fax: (210) 881-6608
jbiano@hfscorporation.com

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
BRUCE K. MOELLENDORFF
NUMBER E-27172
05-04-2022

Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

FLOOR PLAN - BLDG. 3 - 3F

Approved: Project Director

Phase

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title

CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES

Location 3200 VINE ST., CINCINNATI, OH

Issue Date 04-MAY-2022

Checked BKM

Drawn CB

Project Number 539-21-701

Building Number C3

Drawing Number EP-145-C.3.3

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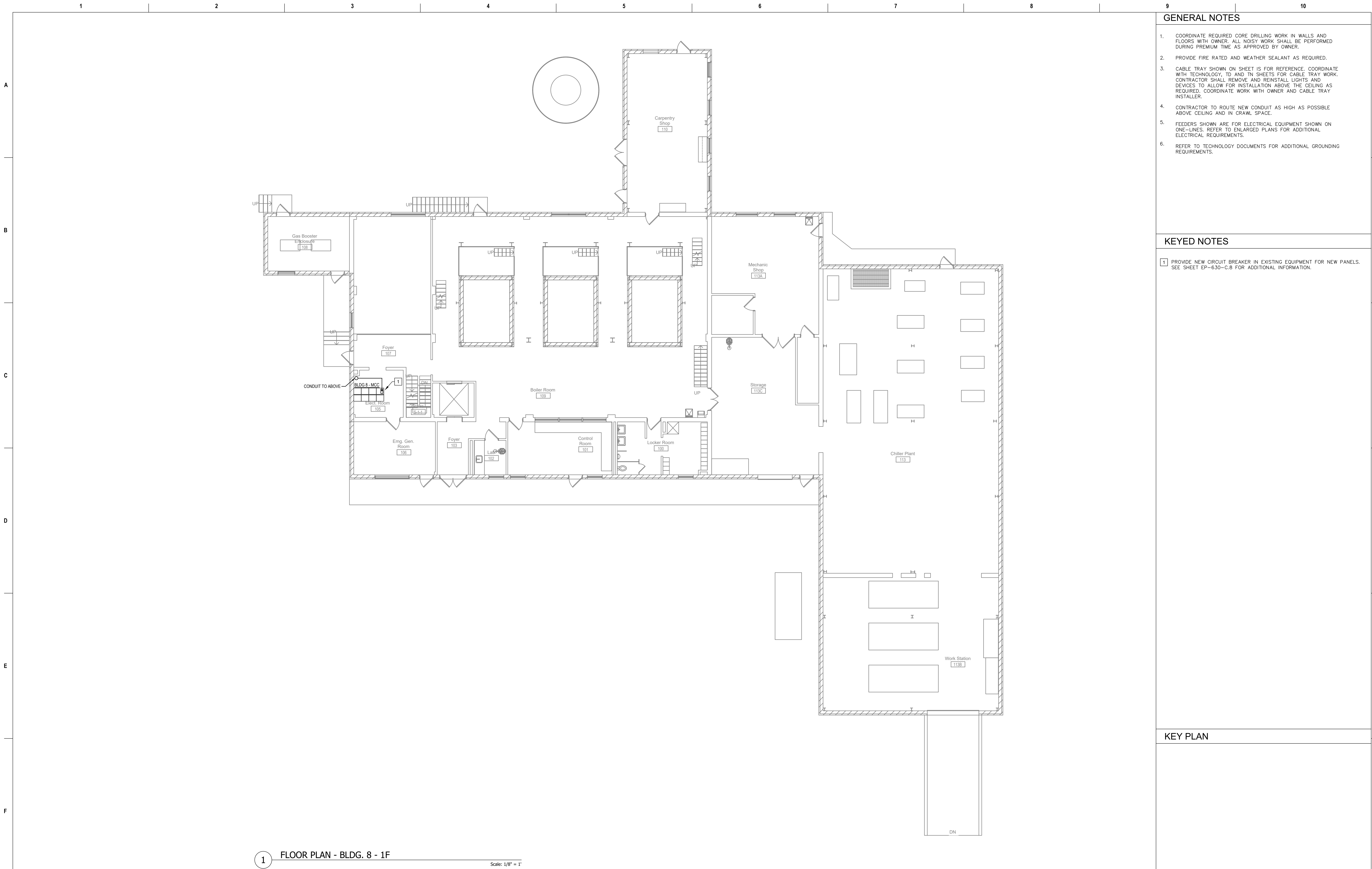
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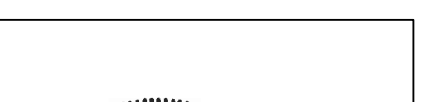



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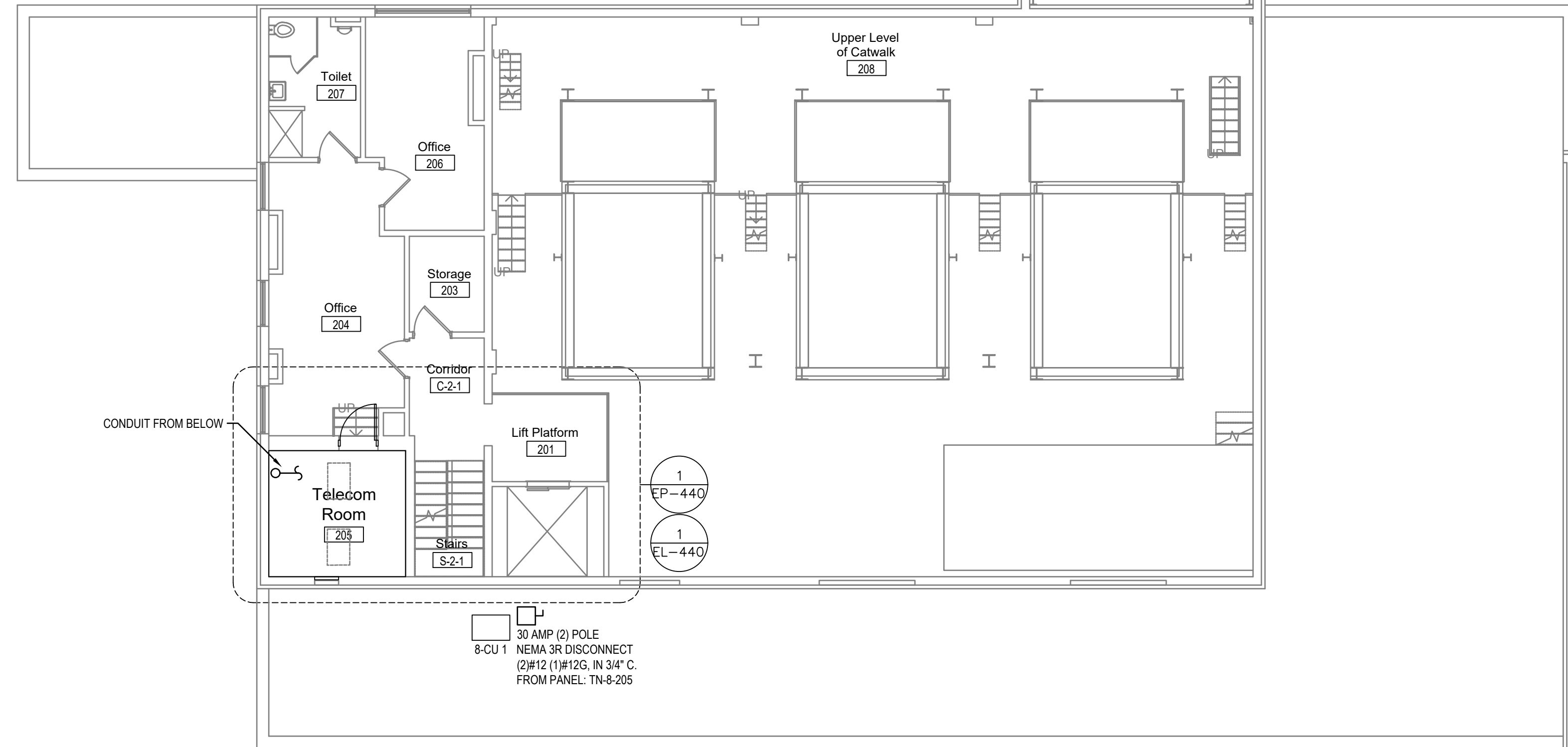
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1 FLOOR PLAN - BLDG. 8 - 1F
Scale: 1/8" = 1'

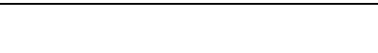


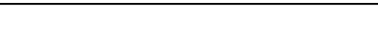
Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT				Construction and Facilities Management		Drawing Title		Phase		Project Title			Project Number	
			 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		 C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscorporation.com jbianco@hfscorporation.com		 U.S. Department of Veterans Affairs		FLOOR PLAN - BLDG. 8 - 1F		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES			539-21-701			
		Building Number																	
		C8																	
		Drawing Number																	
		EP-146-C.8.1																	
									Approved: Project Director		FULLY SPRINKLERED		Location			EP-146-C.8.1			
								3200 VINE ST., CINCINNATI, OH											
								Issue Date		Checked			Drawn						
								04-MAY-2022		BKM			CB						

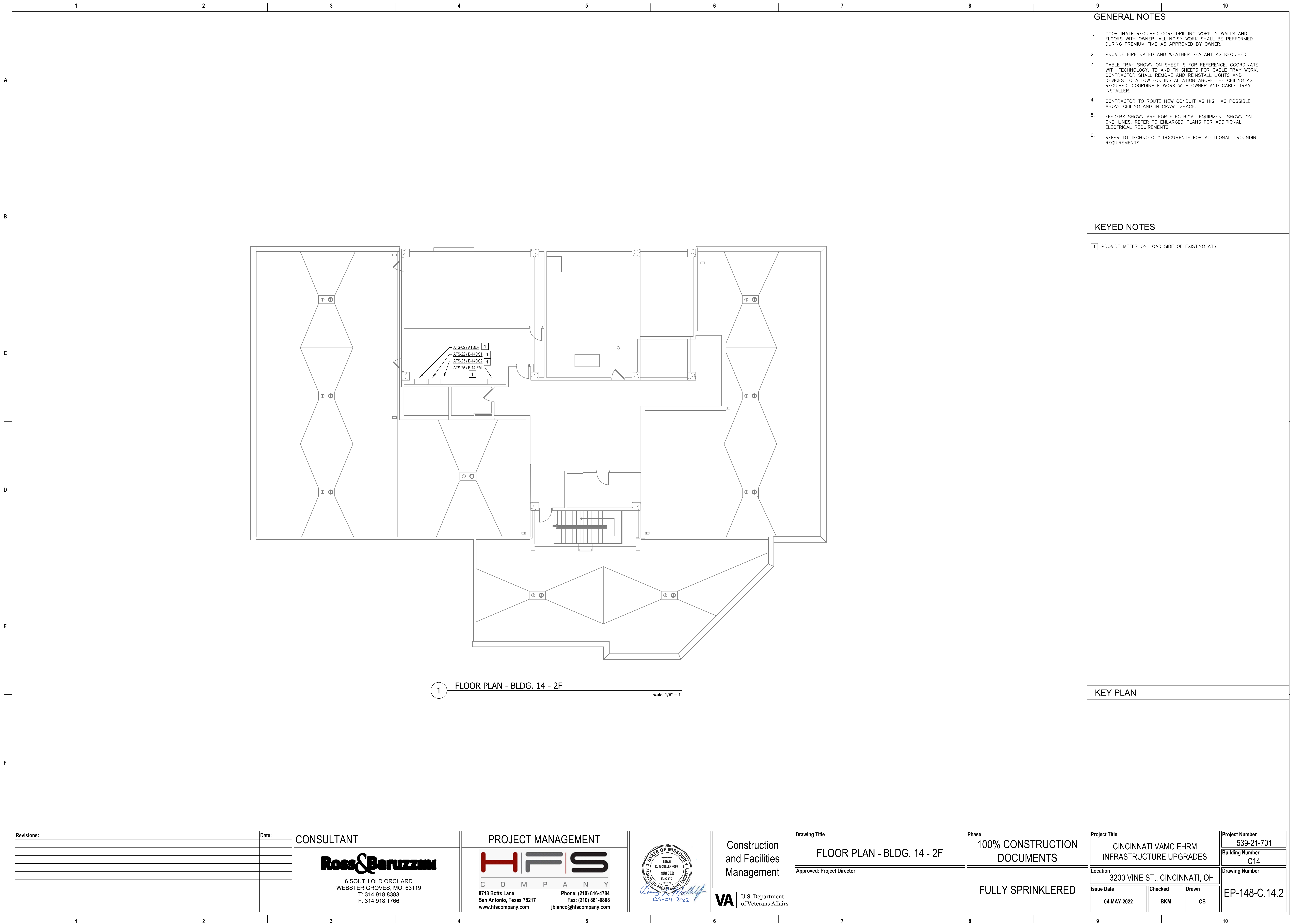


1. COORDINATE REQUIRED CORE DRILLING WORK IN WALLS AND FLOORS WITH OWNER. ALL NOISY WORK SHALL BE PERFORMED DURING PREMIUM TIME AS APPROVED BY OWNER.
2. PROVIDE FIRE RATED AND WEATHER SEALANT AS REQUIRED.
3. CABLE TRAY SHOWN ON SHEET IS FOR REFERENCE. COORDINATE WITH TECHNOLOGY, TD AND IN SHEETS FOR CABLE TRAY WORK. CONTRACTOR SHALL REMOVE AND REINSTALL LIGHTS AND DEVICES TO ALLOW FOR INSTALLATION ABOVE THE CEILING AS REQUIRED. COORDINATE WORK WITH OWNER AND CABLE TRAY INSTALLER.
4. CONTRACTOR TO ROUTE NEW CONDUIT AS HIGH AS POSSIBLE ABOVE CEILING AND IN CRAWL SPACE.
5. FEEDERS SHOWN ARE FOR ELECTRICAL EQUIPMENT SHOWN ON ONE-LINES. REFER TO ENLARGED PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
6. REFER TO TECHNOLOGY DOCUMENTS FOR ADDITIONAL GROUNDING REQUIREMENTS.

KEY PLAN

1 FLOOR PLAN - BLDG. 8 - 2F

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT			Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number		
			 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766 www.hfscountry.com		 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscountry.com jbianco@hfscountry.com			VA U.S. Department of Veterans Affairs		FLOOR PLAN - BLDG. 8 - 2F		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701		
										Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Building Number C8		
														Issue Date 04-MAY-2022		Checked BKM		
															Drawn CB		Drawing Number EP-147-C.8.2	



- GENERAL NOTES**
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 - REFER TO TECHNOLOGY DOCUMENTS FOR ADDITIONAL GROUNDING REQUIREMENTS.

- KEYED NOTES**
- 1 PROVIDE METER ON LOAD SIDE OF EXISTING ATS.

KEY PLAN				
Project Title			Project Number	
CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES			539-21-701	
Location			Building Number	
3200 VINE ST., CINCINNATI, OH			C14	
Issue Date			Drawing Number	
04-MAY-2022			EP-148-C.14.2	
Checked		Drawn		
BKM		CB		

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number								
			<div>Ross & Baruzzini</div> <div>6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766</div>		<div>HFS</div> <div>C O M P A N Y</div> <div>8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscorporation.com jbianco@hfscorporation.com</div>		<div><div>STATE OF MISSOURI E. MOELLERHOFF REGISTERED PROFESSIONAL ENGINEER No. 05-04-2622</div><div>VA U.S. Department of Veterans Affairs</div></div>		FLOOR PLAN - BLDG. 14 - 2F		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701						
									Building Number		C14										
									Drawing Number												
									Location		3200 VINE ST., CINCINNATI, OH										
									Issue Date		04-MAY-2022		Checked		BKM		Drawn		CB		
													FULLY SPRINKLERED						EP-148-C.14.2		

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GENERAL NOTES

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4. CONTRACTOR TO ROUTE NEW CONDUIT AS HIGH AS POSSIBLE ABOVE CEILING AND IN CRAWL SPACE.

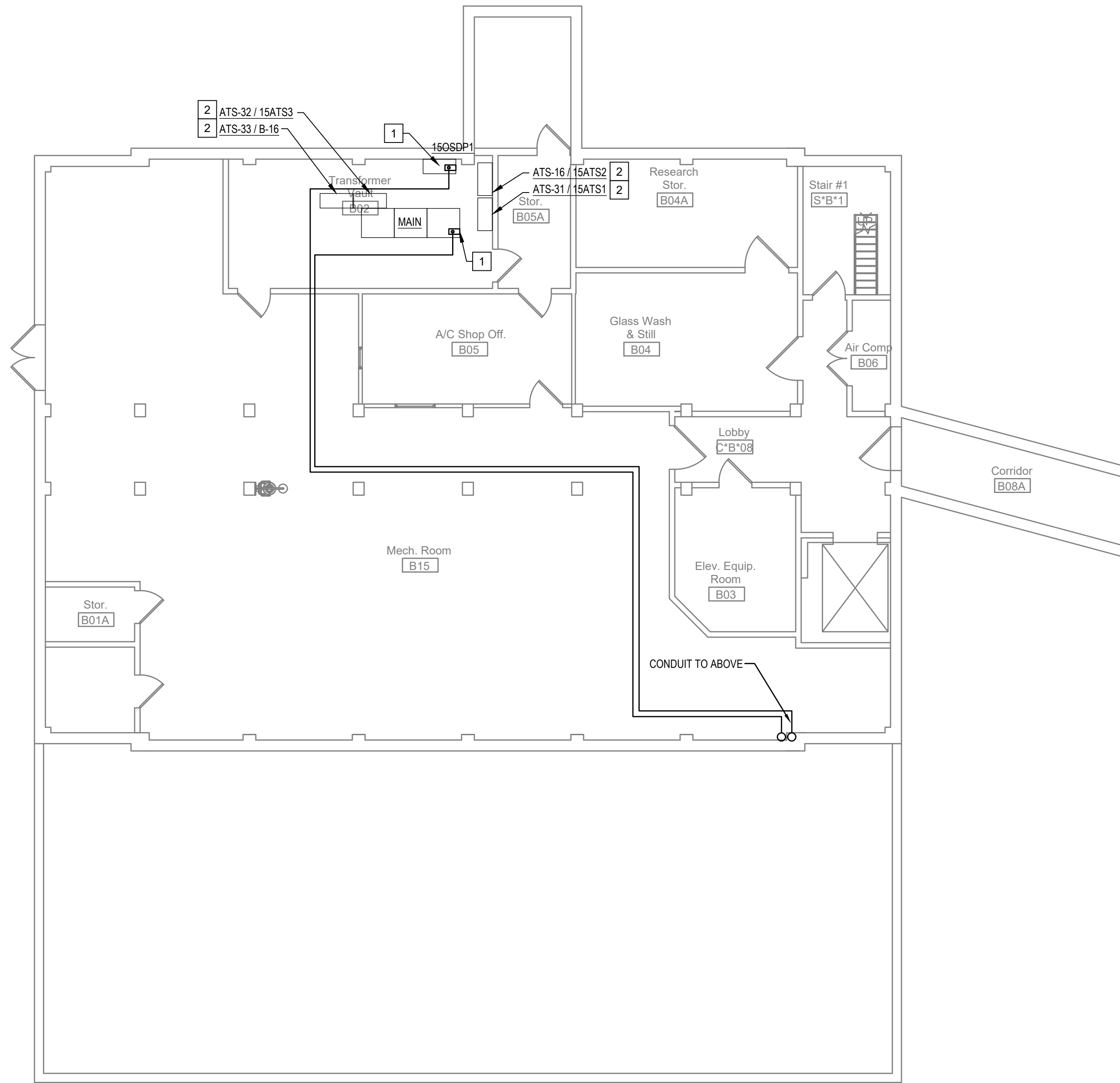
5. FEEDERS SHOWN ARE FOR ELECTRICAL EQUIPMENT SHOWN ON ONE-LINES. REFER TO ENLARGED PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.

6. REFER TO TECHNOLOGY DOCUMENTS FOR ADDITIONAL GROUNDING REQUIREMENTS.

KEYED NOTES

1 PROVIDE NEW CIRCUIT BREAKER IN EXISTING EQUIPMENT FOR NEW PANELS. SEE SHEET EP-640-C.15 FOR ADDITIONAL INFORMATION.

2 PROVIDE METER ON LOAD SIDE OF EXISTING ATS.



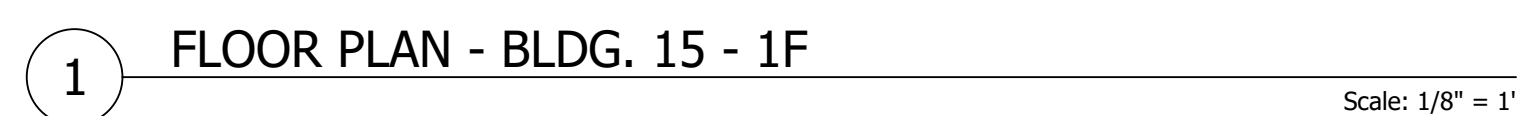
1 FLOOR PLAN - BLDG. 15 - BSMT
Scale: 1/8" = 1'

KEY PLAN

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		<div><div></div><div>STATE OF MISSOURI BRUCE K. MOELLEHOFF REGISTERED PROFESSIONAL ENGINEER E-27172 05-04-2022</div></div>		Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number		
			<div>Ross & Baruzzini</div> <div>6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766</div>		<div>HFS</div> <div>C O M P A N Y</div> <div>8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com</div> <div>Phone: (210) 816-4784 Fax: (210) 851-6608 jbianco@hfscorporation.com</div>		<div></div>		VAU.S. Department of Veterans Affairs		FLOOR PLAN - BLDG. 15 - BSMT		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701		
											Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Building Number C15		
											Issue Date 04-MAY-2022				Checked BKM		Drawing Number EP-149-C.15.B		
															Drawn CB				

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- ## KEYED NOTES

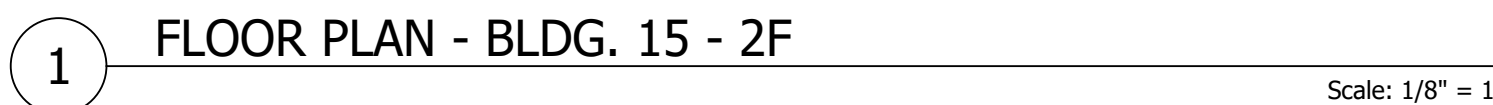


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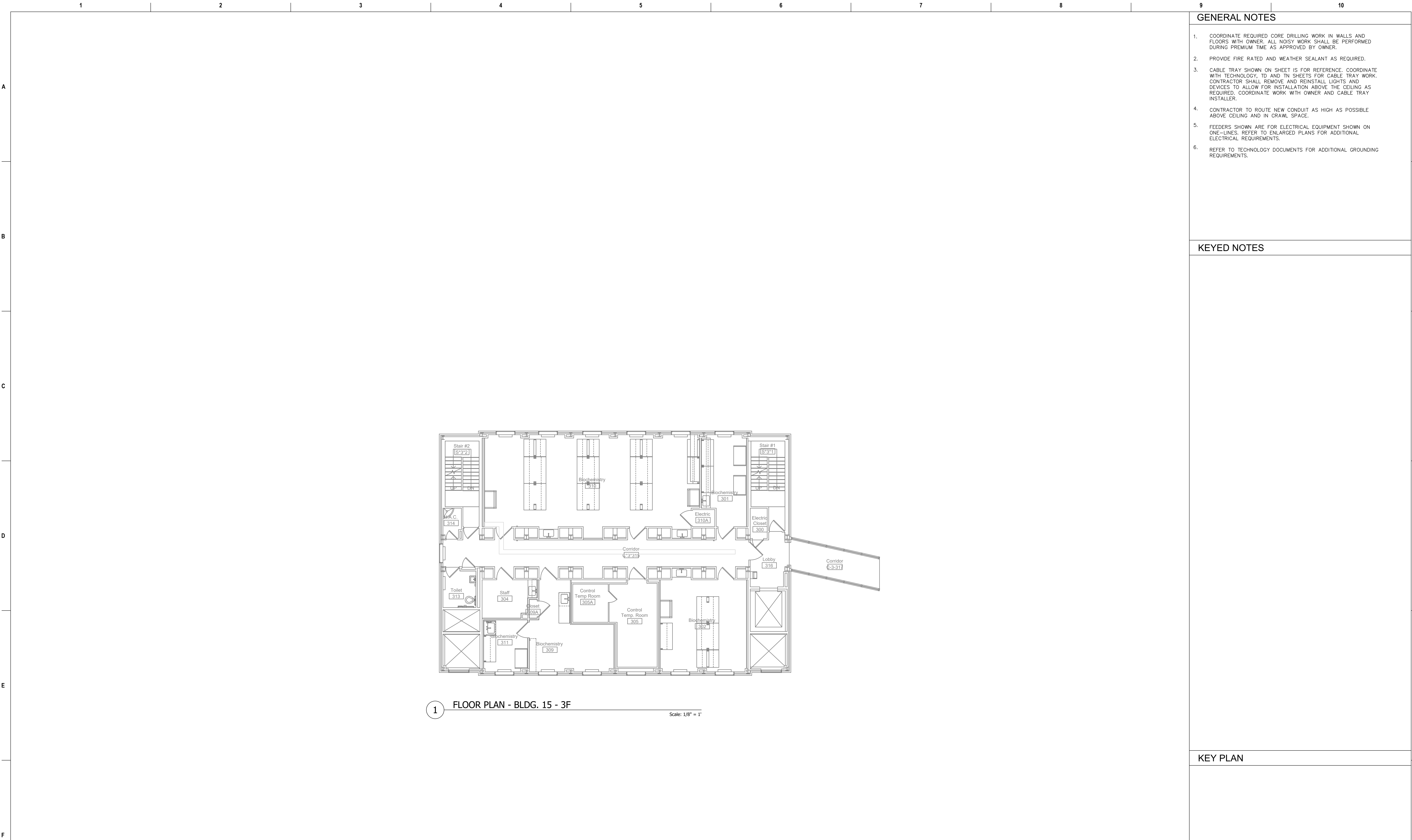
KEY PLAN

- | | | | |
|-------------|---------|-------|---------------|
| Issue Date | Checked | Drawn | EP-151-C.15.2 |
| 04-MAY-2022 | BKM | CB | |

KEY PLAN



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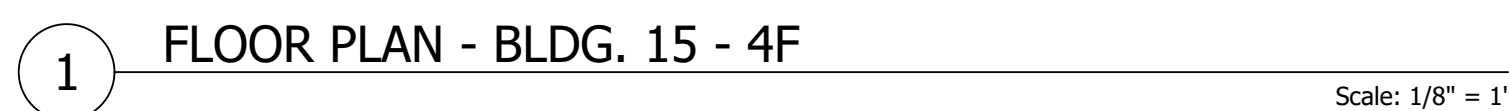
KEYED NOTES

KEY PLAN

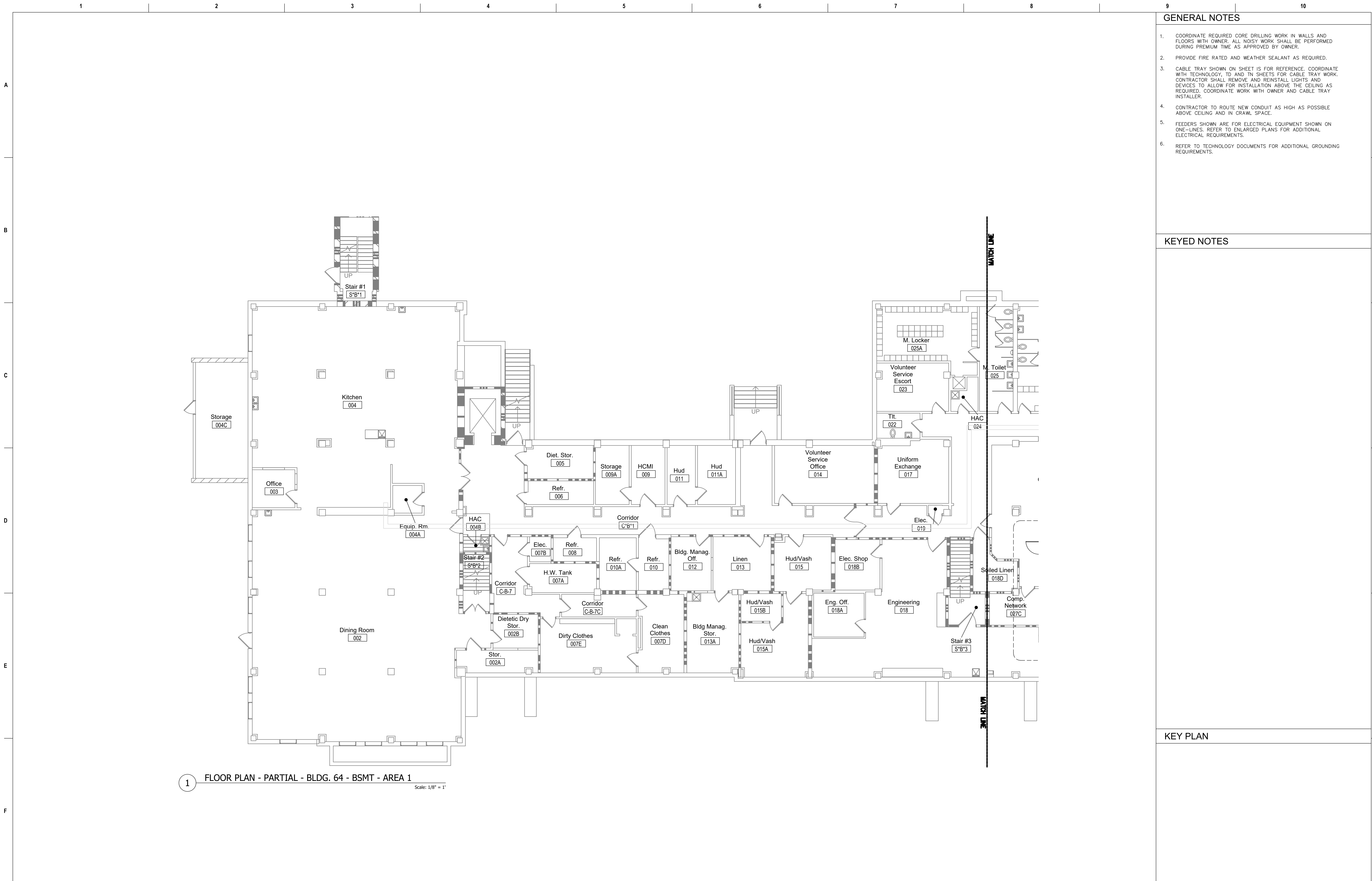
Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number			
			<div>Ross & Baruzzini</div> <div>6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766</div>		<div>HFS</div> <div>C O M P A N Y</div> <div>8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscorporation.com jbianco@hfscorporation.com</div>		FLOOR PLAN - BLDG. 15 - 3F		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701			
									Building Number							
									C15							
									Drawing Number							
									EP-152-C.15.3							
					<div><div>STATE OF MISSOURI REGISTERED PROFESSIONAL ENGINEER E. MOELLERHOFF NUMBER E-27172 EXPIRATION DATE 05-04-2022</div><div>William K. Moellerhoff 05-04-2022</div></div>		Construction and Facilities Management				Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH	
				Issue Date 04-MAY-2022		Checked BKM					Drawn CB					
							VA		U.S. Department of Veterans Affairs							

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- ## KEYED NOTES



KEY PLAN



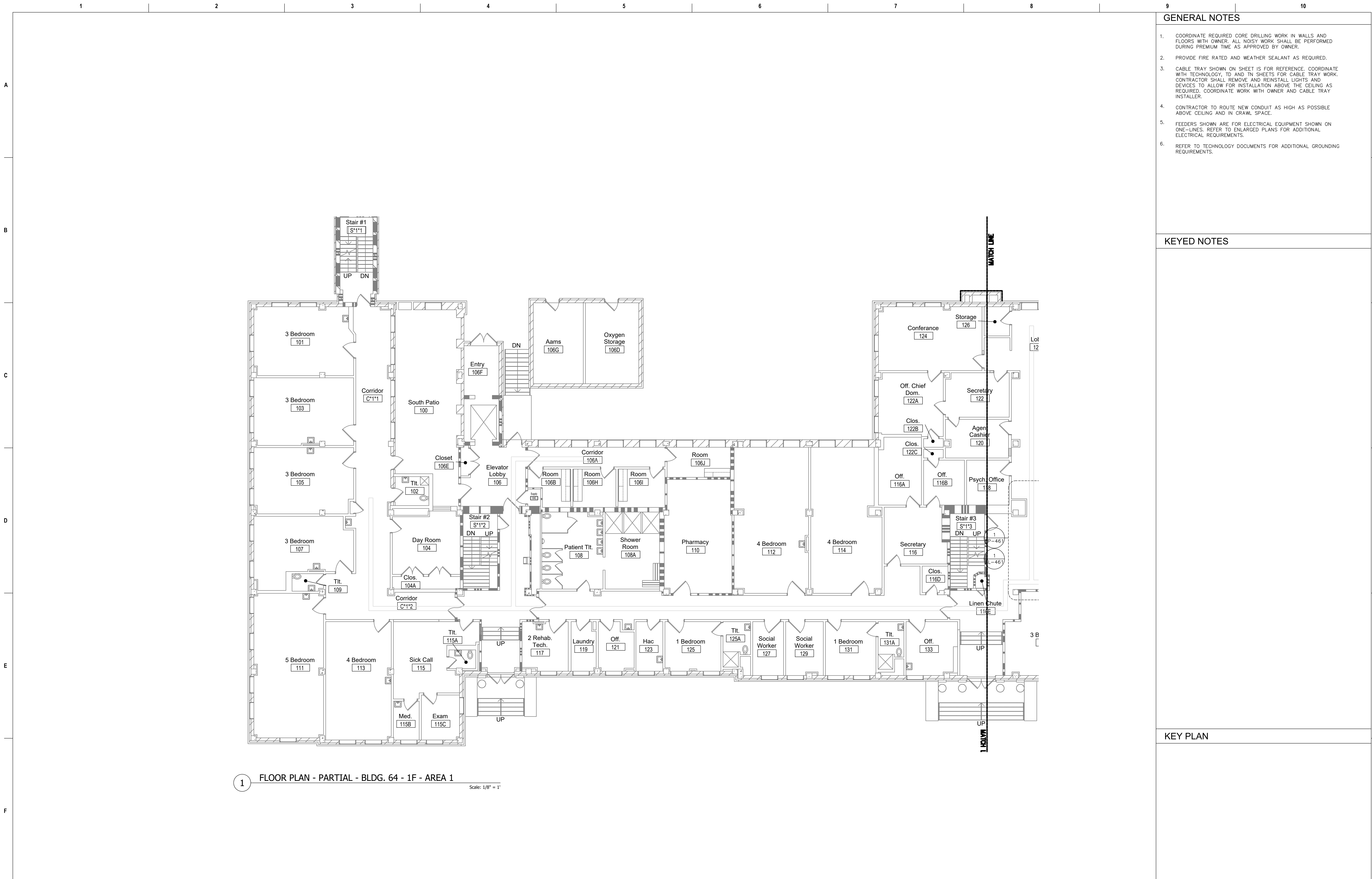
GENERAL NOTES

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KEYED NOTES

KEY PLAN

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		<div><div></div><div><div>SEAL OF THE STATE OF MISSOURI</div><div>BRIAN K. MOELLENDORFF</div><div>REGISTERED PROFESSIONAL ARCHITECT</div><div>6-21172</div><div>03-04-2022</div></div></div>		Drawing Title		Phase		Project Title		Project Number		
			<div><div>Ross & Baruzzini</div><div>6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766</div></div>		<div><div>HFS</div><div>C O M P A N Y</div><div>8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com</div><div>Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscorporation.com</div></div>		<div><div>Construction and Facilities Management</div><div>VAU.S. Department of Veterans Affairs</div></div>		FLOOR PLAN - PARTIAL - BLDG. 64 - BSMT - AREA 1		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701		
Approved: Project Director		FULLY SPRINKLERED							Building Number		Drawing Number						
									FT64		EP-154-FT.64.B						
									Location		Issue Date		Checked		Drawn		
									3200 VINE ST., CINCINNATI, OH		04-MAY-2022		BKM		CB		



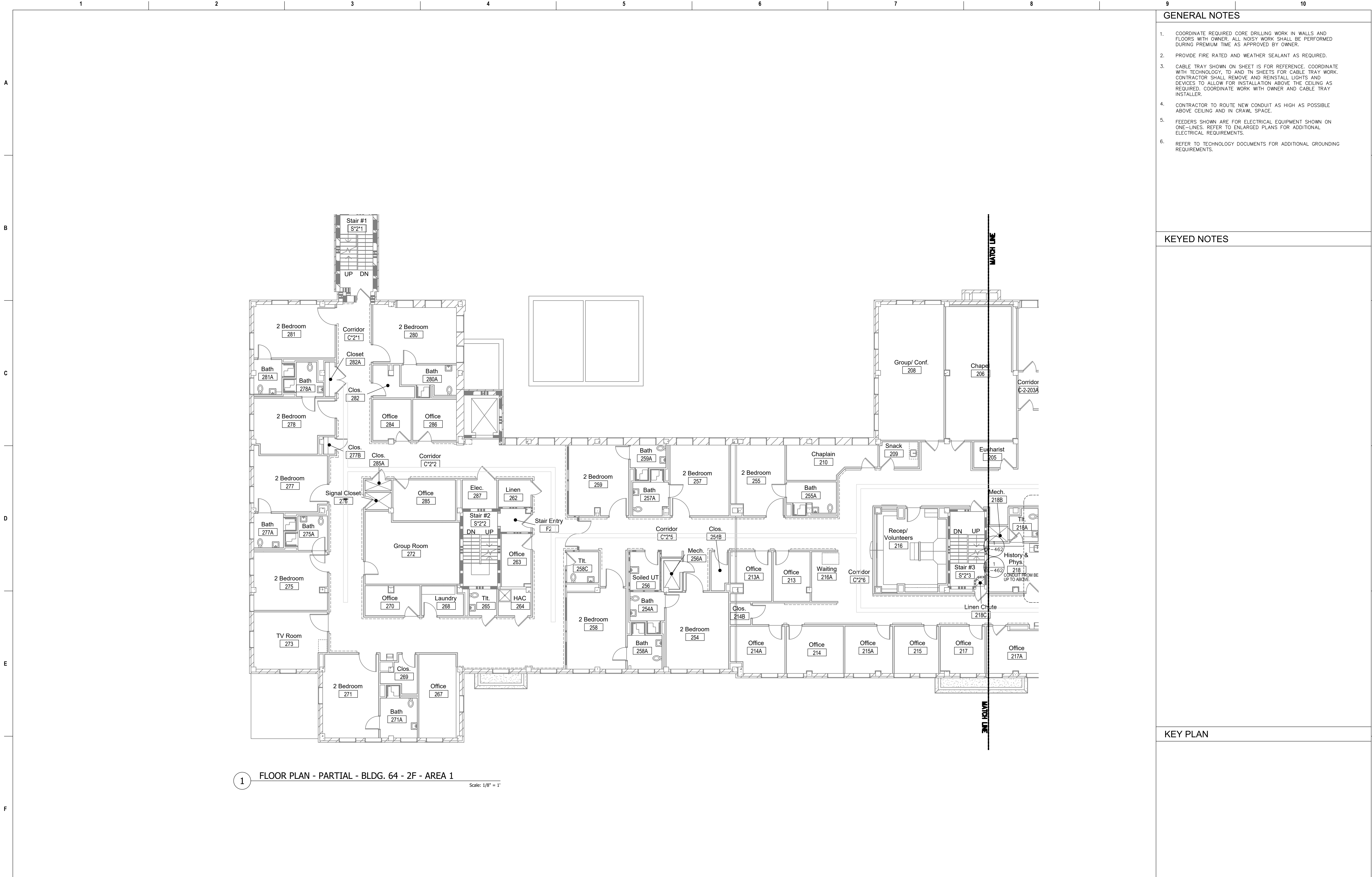
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KEY PLAN

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number	
			Ross & Baruzzini		HFS		FLOOR PLAN - PARTIAL - BLDG. 64 - 1F - AREA 1		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		C O M P A N Y 8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com		Approved: Project Director		FULLY SPRINKLERED		3200 VINE ST., CINCINNATI, OH		Building Number FT64	
					Phone: (210) 816-4784 Fax: (210) 881-6808 jbiano@hfscorporation.com						Issue Date 04-MAY-2022		Checked BKM	
													Drawing Number EP-156-FT.64.1	
													Drawn CB	



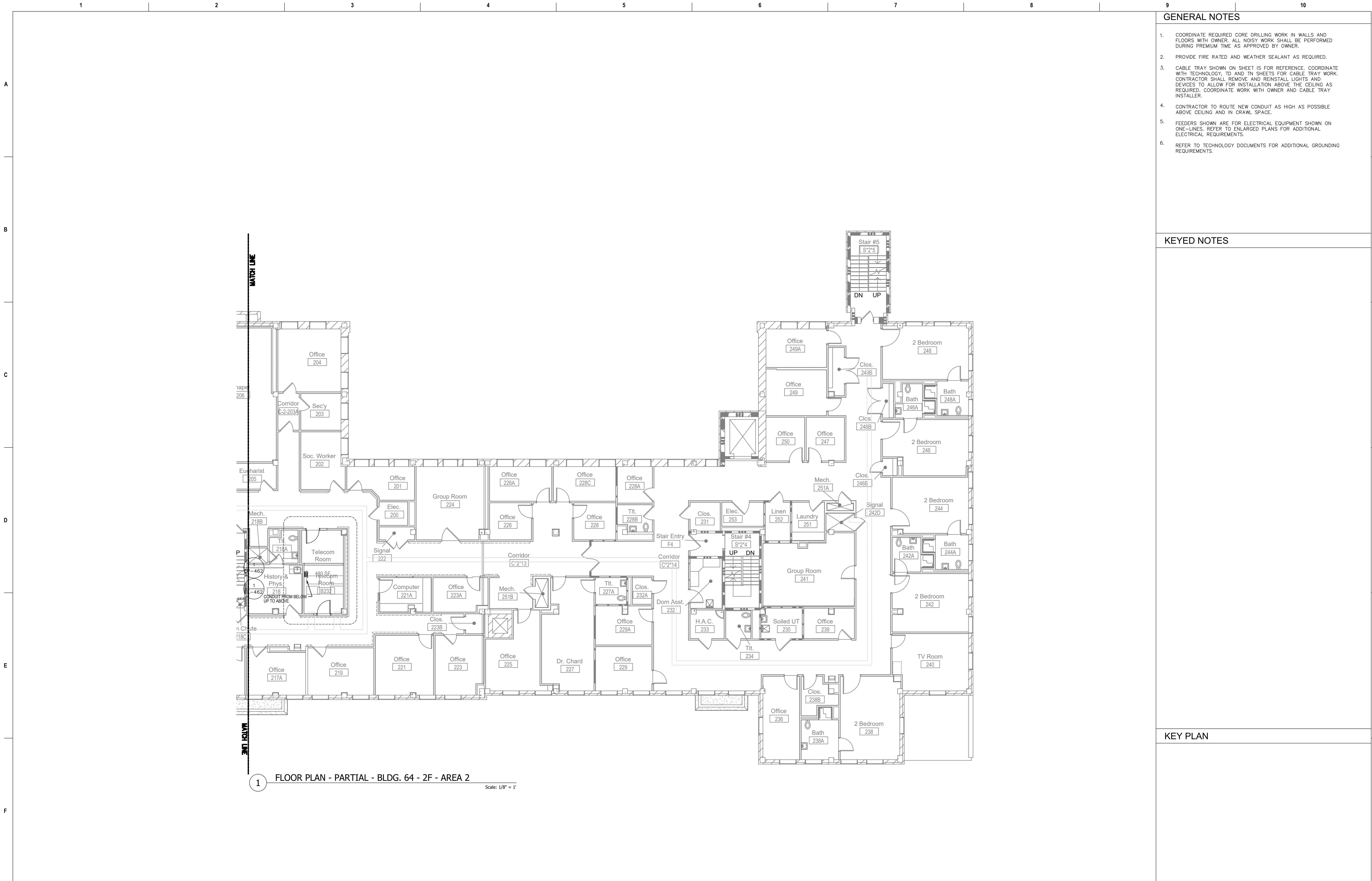
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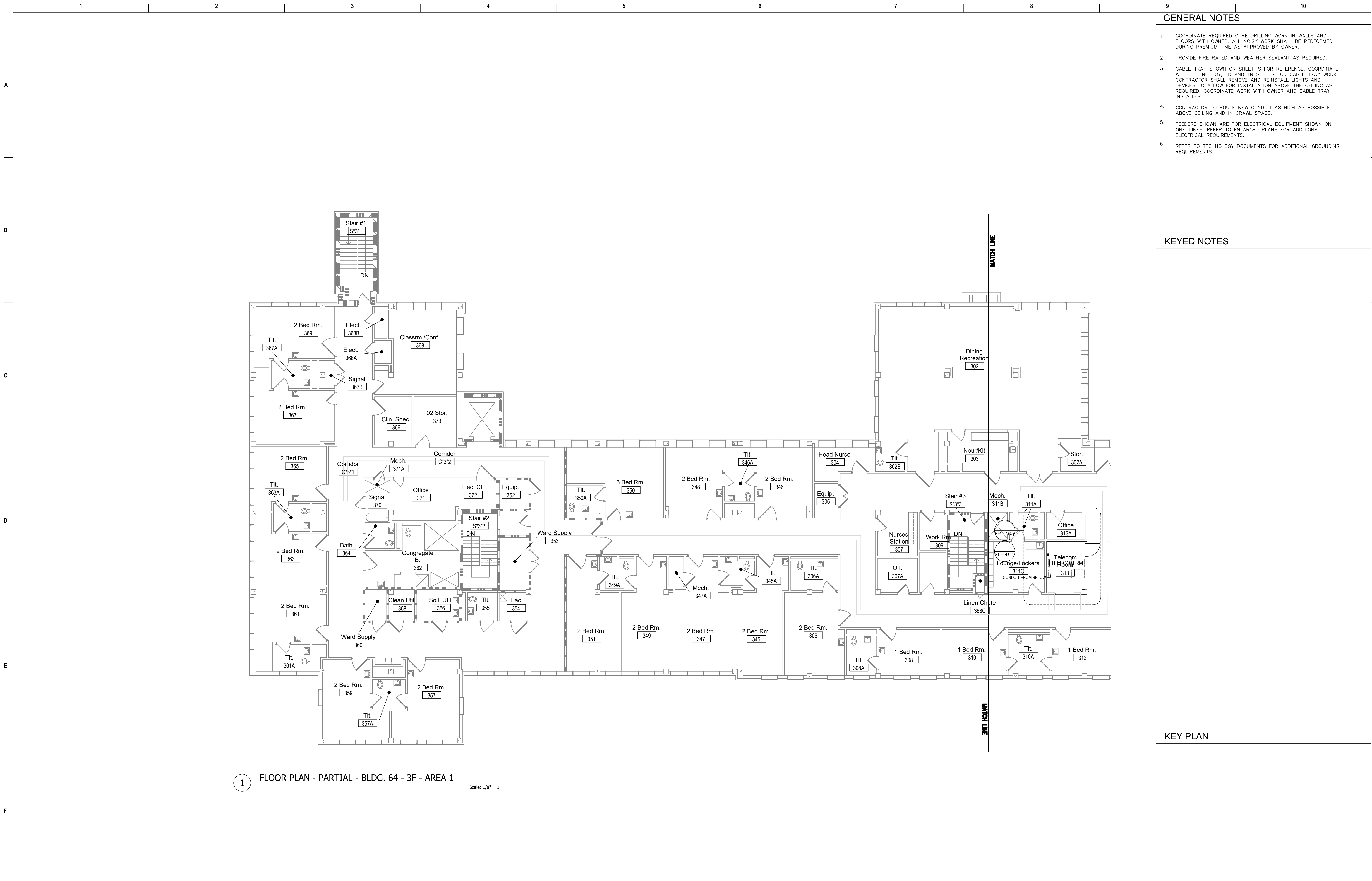
KEYED NOTES

KEY PLAN

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		<div><div><div>STATE OF MISSOURI</div><div>BRUCE E. MOELLENDORFF</div><div>REGISTERED PROFESSIONAL ARCHITECT</div><div>NO. 000000000</div><div>05-04-2022</div></div></div>		Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
			<div><div><div>Ross & Baruzzini</div><div>6 SOUTH OLD ORCHARD</div><div>WEBSTER GROVES, MO. 63119</div><div>T: 314.918.8383</div><div>F: 314.918.1766</div></div></div>		<div><div><div>HFS</div><div>C O M P A N Y</div><div>8718 Botts Lane</div><div>San Antonio, Texas 78217</div><div>www.hfscorporation.com</div></div><div><div>Phone: (210) 816-4784</div><div>Fax: (210) 881-6808</div><div>jbiano@hfscorporation.com</div></div></div>		FLOOR PLAN - PARTIAL - BLDG. 64 - 2F - AREA 1		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701					
Building Number																		
FT64																		
Drawing Number																		
EP-158-FT.64.2																		
					Approved: Project Director		FULLY SPRINKLERED		Location		Issue Date		Checked		Drawn			
									3200 VINE ST., CINCINNATI, OH				04-MAY-2022		BKM		CB	

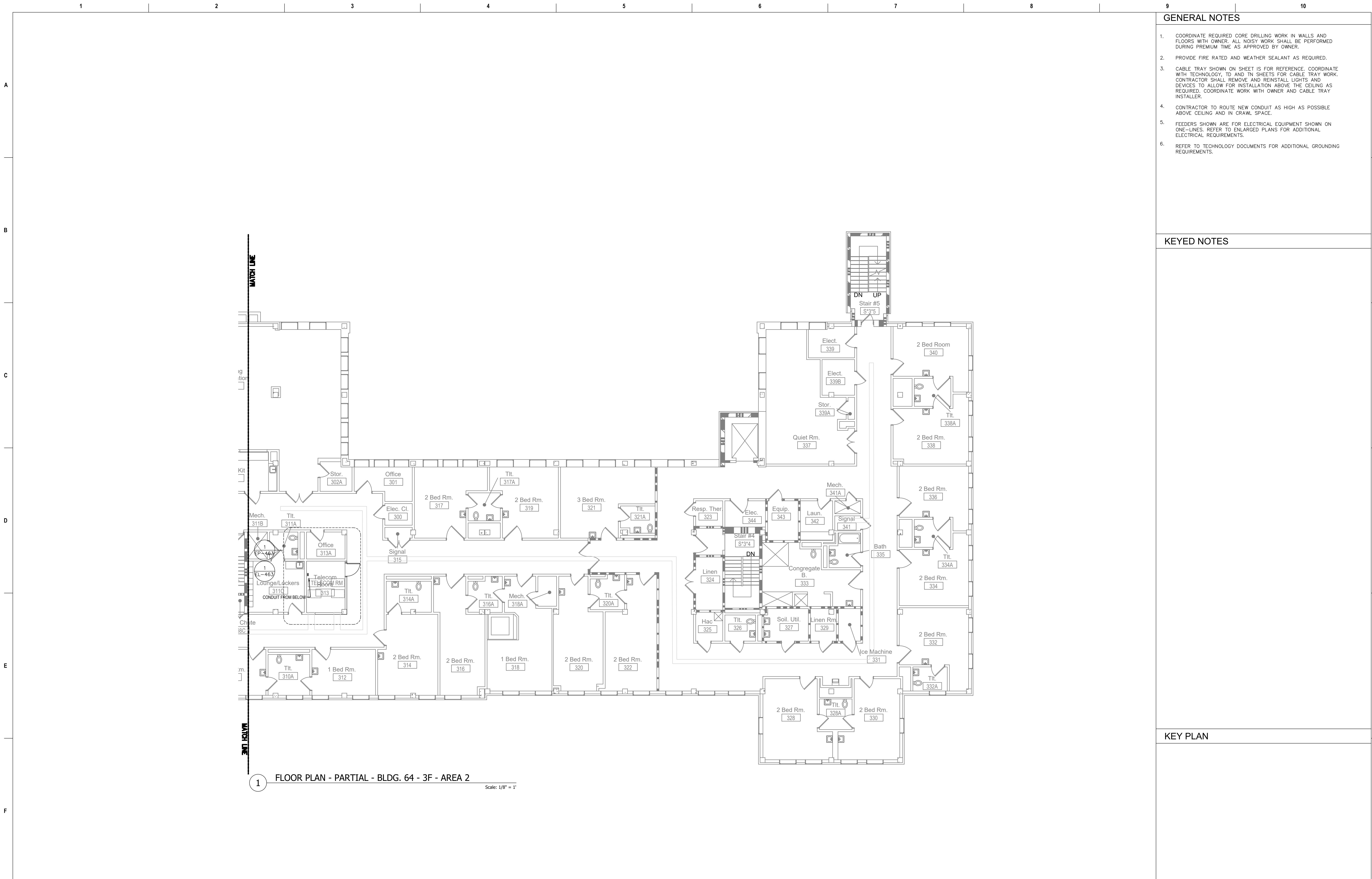


Revisions:		Date:		CONSULTANT		PROJECT MANAGEMENT		<div><div><div>U.S. DEPT. OF VETERANS AFFAIRS OFFICE OF THE ARCHITECT E. WOLLENBROFF NUMBER E-21712 PROFESSIONAL OFFICIAL SEAL</div><div><div>05-04-2022</div><div>John J. Baruzzini</div></div></div></div> <div><div>Construction and Facilities Management</div><div>VA U.S. Department of Veterans Affairs</div></div> <div><div>Drawing Title</div><div>FLOOR PLAN - PARTIAL - BLDG. 64 - 2F - AREA 2</div><div>Approved: Project Director</div></div> <div><div>Phase</div><div>100% CONSTRUCTION DOCUMENTS</div><div>FULLY SPRINKLERED</div></div> <div><div>Project Title</div><div>CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES</div><div>Location 3200 VINE ST., CINCINNATI, OH</div><div><div>Issue Date 04-MAY-2022</div><div>Checked BKM</div><div>Drawn CB</div></div></div> <div><div>Project Number 539-21-701</div><div>Building Number FT64</div><div>Drawing Number EP-159-FT.64.2</div></div>											
				<div><div>Ross & Baruzzini</div><div>6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766</div></div>		<div><div>HFS</div><div>C O M P A N Y</div><div>8718 Botts Lane San Antonio, Texas 78217 www.hfscmpany.com</div><div>Phone: (210) 816-4784 Fax: (210) 851-6808 jbiano@hfscmpany.com</div></div>													
1		2		3		4		5		6		7		8		9		10	



Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number	
			Ross & Baruzzini		HFS		FLOOR PLAN - PARTIAL - BLDG. 64 - 3F - AREA 1		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		C O M P A N Y 8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com		Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Building Number FT64	
					Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscorporation.com						Issue Date 04-MAY-2022		Checked BKM	
											Drawing Number EP-160-FT.64.3		Drawn CB	

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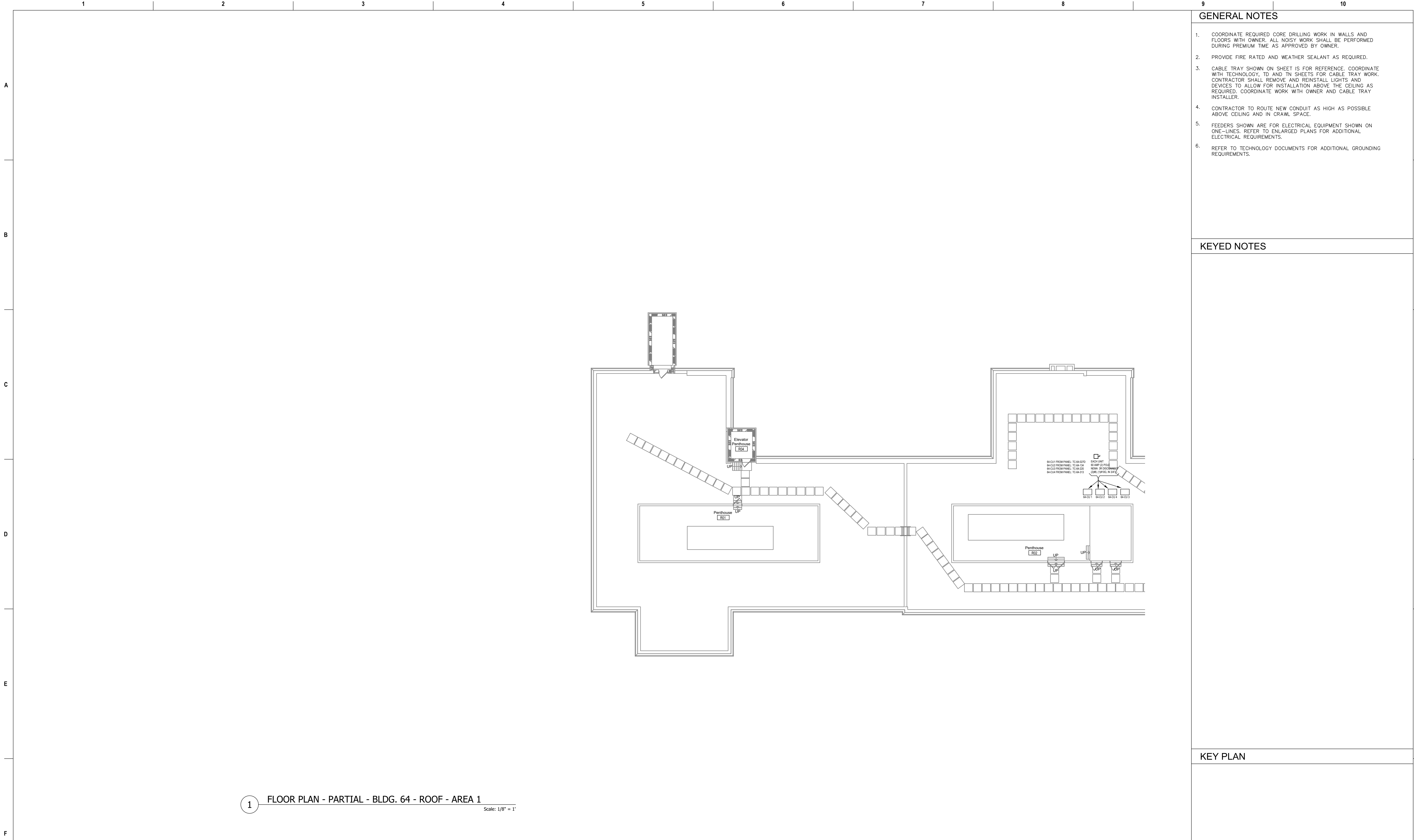
GENERAL NOTES

- COORDINATE REQUIRED CORE DRILLING WORK IN WALLS AND FLOORS WITH OWNER. ALL NOISY WORK SHALL BE PERFORMED DURING PREMIUM TIME AS APPROVED BY OWNER.
- PROVIDE FIRE RATED AND WEATHER SEALANT AS REQUIRED.
- CABLE TRAY SHOWN ON SHEET IS FOR REFERENCE. COORDINATE WITH TECHNOLOGY, ID AND TN SHEETS FOR CABLE TRAY WORK. CONTRACTOR SHALL REMOVE AND REINSTALL LIGHTS AND DEVICES TO ALLOW FOR INSTALLATION ABOVE THE CEILING AS REQUIRED. COORDINATE WORK WITH OWNER AND CABLE TRAY INSTALLER.
- CONTRACTOR TO ROUTE NEW CONDUIT AS HIGH AS POSSIBLE ABOVE CEILING AND IN CRAWL SPACE.
- FEEDERS SHOWN ARE FOR ELECTRICAL EQUIPMENT SHOWN ON ONE-LINES. REFER TO ENLARGED PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
- REFER TO TECHNOLOGY DOCUMENTS FOR ADDITIONAL GROUNDING REQUIREMENTS.

KEYED NOTES

KEY PLAN

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number	
			Ross & Baruzzini		HFS		FLOOR PLAN - PARTIAL - BLDG. 64 - 3F - AREA 2		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscorporation.com jbianco@hfscorporation.com		Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Building Number FT64	
											Issue Date 04-MAY-2022		Checked BKM	
											Drawn CB		Drawing Number EP-161-FT.64.3	



GENERAL NOTES

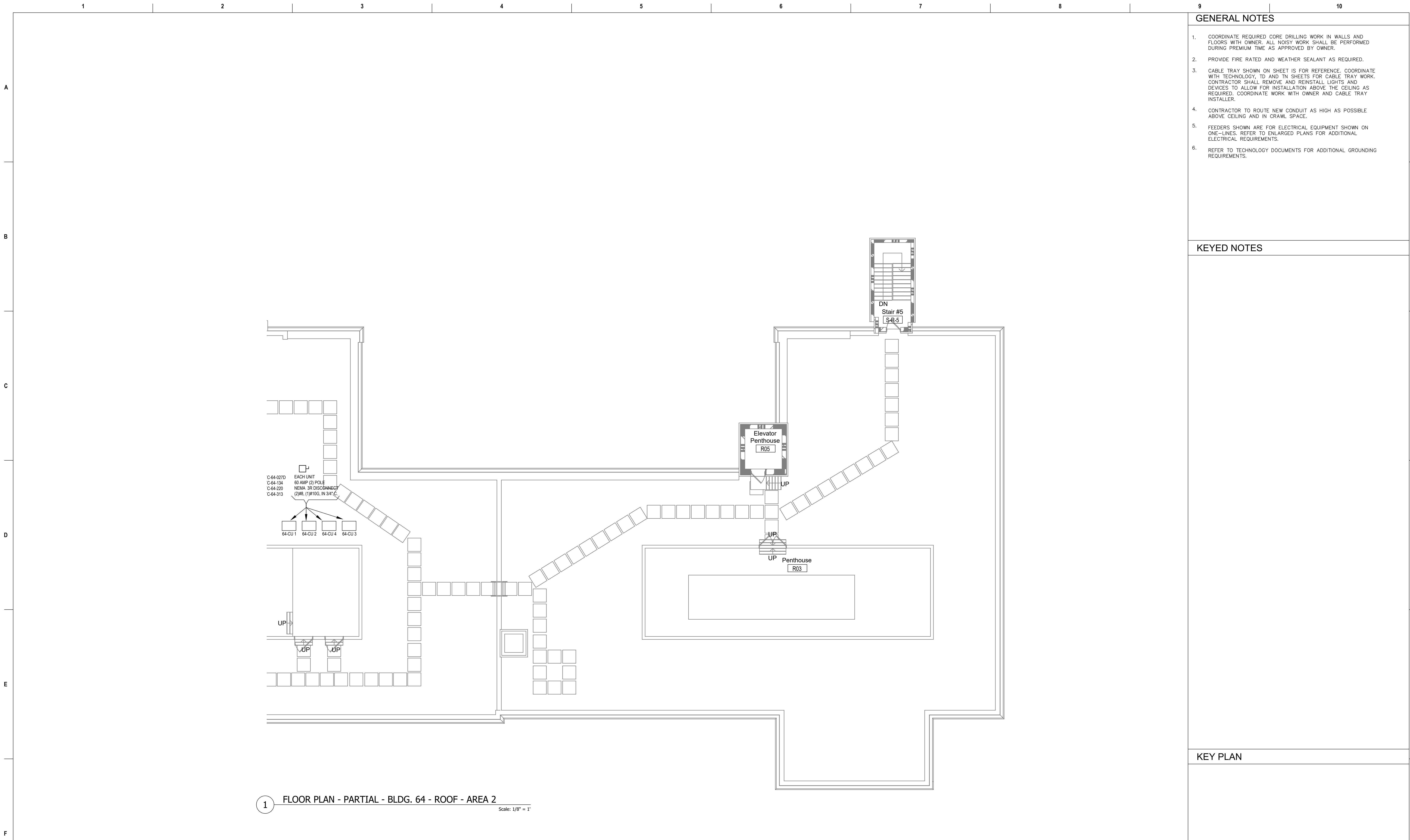
- COORDINATE REQUIRED CORE DRILLING WORK IN WALLS AND FLOORS WITH OWNER. ALL NOISY WORK SHALL BE PERFORMED DURING PREMIUM TIME AS APPROVED BY OWNER.
- PROVIDE FIRE RATED AND WEATHER SEALANT AS REQUIRED.
- CABLE TRAY SHOWN ON SHEET IS FOR REFERENCE. COORDINATE WITH TECHNOLOGY, ID AND TN SHEETS FOR CABLE TRAY WORK. CONTRACTOR SHALL REMOVE AND REINSTALL LIGHTS AND DEVICES TO ALLOW FOR INSTALLATION ABOVE THE CEILING AS REQUIRED. COORDINATE WORK WITH OWNER AND CABLE TRAY INSTALLER.
- CONTRACTOR TO ROUTE NEW CONDUIT AS HIGH AS POSSIBLE ABOVE CEILING AND IN CRAWL SPACE.
- FEEDERS SHOWN ARE FOR ELECTRICAL EQUIPMENT SHOWN ON ONE-LINES. REFER TO ENLARGED PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
- REFER TO TECHNOLOGY DOCUMENTS FOR ADDITIONAL GROUNDING REQUIREMENTS.

KEYED NOTES

KEY PLAN

1 FLOOR PLAN - PARTIAL - BLDG. 64 - ROOF - AREA 1
Scale: 1/8" = 1'

Revisions:		Date:		CONSULTANT		PROJECT MANAGEMENT				Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
												FLOOR PLAN - PARTIAL - BLDG. 64 - ROOF - AREA 1		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
				6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com		Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscorporation.com						FULLY SPRINKLERED		3200 VINE ST., CINCINNATI, OH		Building Number	
																04-MAY-2022		FT64	
																Checked		Drawing Number	
																BKM		EP-162-FT.64.4	
																Drawn			
																CB			



1 FLOOR PLAN - PARTIAL - BLDG. 64 - ROOF - AREA 2
Scale: 1/8" = 1'

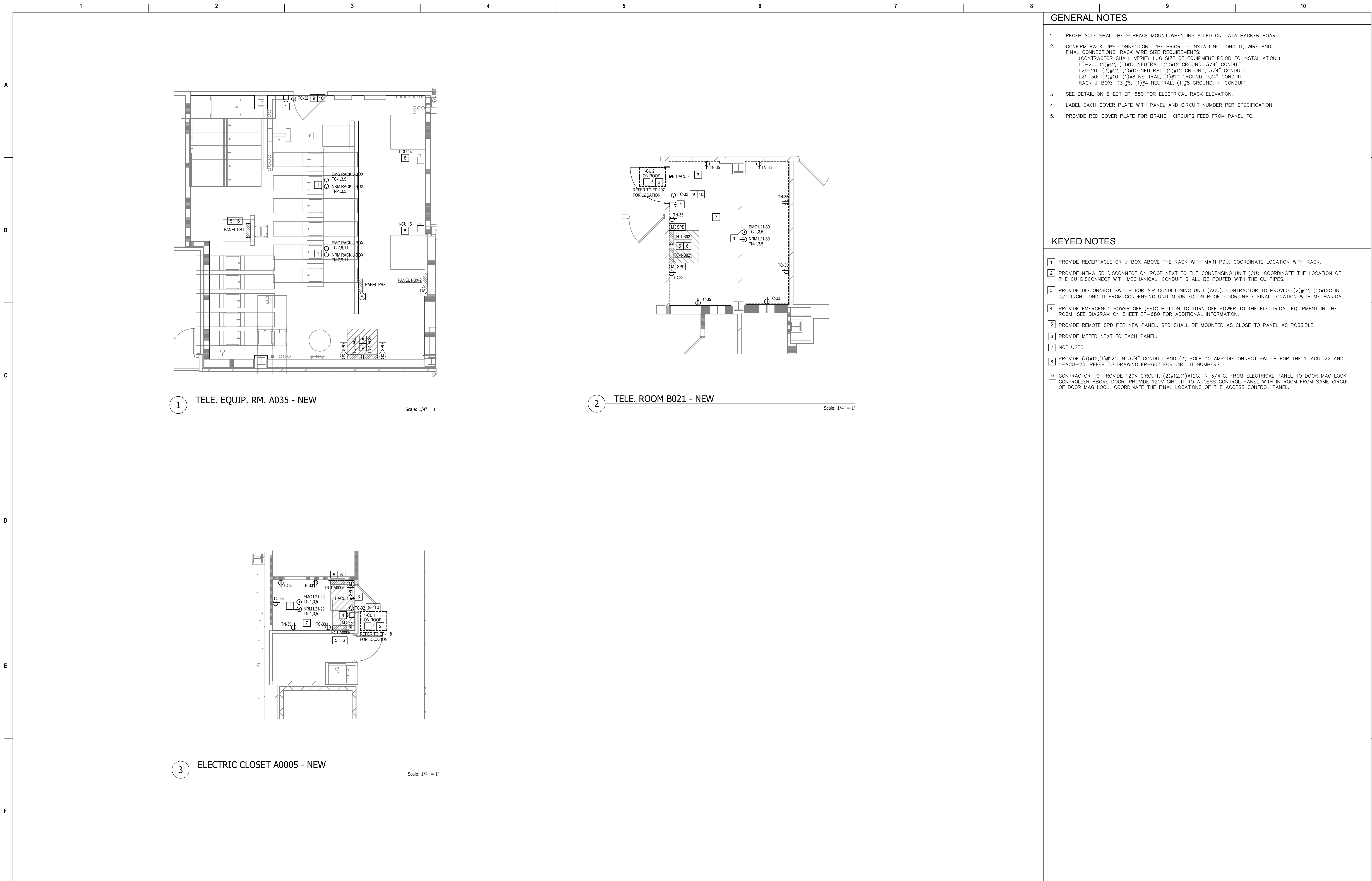
GENERAL NOTES

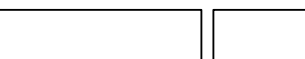


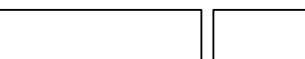
- COORDINATE REQUIRED CORE DRILLING WORK IN WALLS AND FLOORS WITH OWNER. ALL NOISY WORK SHALL BE PERFORMED DURING PREMIUM TIME AS APPROVED BY OWNER.
- PROVIDE FIRE RATED AND WEATHER SEALANT AS REQUIRED.
- CABLE TRAY SHOWN ON SHEET IS FOR REFERENCE. COORDINATE WITH TECHNOLOGY, ID AND TN SHEETS FOR CABLE TRAY WORK. CONTRACTOR SHALL REMOVE AND REINSTALL LIGHTS AND DEVICES TO ALLOW FOR INSTALLATION ABOVE THE CEILING AS REQUIRED. COORDINATE WORK WITH OWNER AND CABLE TRAY INSTALLER.
- CONTRACTOR TO ROUTE NEW CONDUIT AS HIGH AS POSSIBLE ABOVE CEILING AND IN CRAWL SPACE.
- FEEDERS SHOWN ARE FOR ELECTRICAL EQUIPMENT SHOWN ON ONE-LINES. REFER TO ENLARGED PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
- REFER TO TECHNOLOGY DOCUMENTS FOR ADDITIONAL GROUNDING REQUIREMENTS.

KEYED NOTES

KEY PLAN

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase		Project Title		Project Number	
			<div>Ross & Baruzzini</div> <div>6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766</div>		<div>HFS</div> <div>C O M P A N Y</div> <div>8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com</div> <div>Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscorporation.com</div>		<div>FLOOR PLAN - PARTIAL - BLDG. 64 - ROOF - AREA 2</div> <div>Approved: Project Director</div>		<div>100% CONSTRUCTION DOCUMENTS</div> <div>FULLY SPRINKLERED</div>		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
Building Number FT64		Drawing Number												
Location 3200 VINE ST., CINCINNATI, OH														
Issue Date 04-MAY-2022		Checked BKM												
		Drawn CB												
						Construction and Facilities Management		<div>VA</div> <div>U.S. Department of Veterans Affairs</div>		<div>EP-163-FT.64.4</div>				



Revisions:		Date:		CONSULTANT		PROJECT MANAGEMENT				Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number					
				 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		 C O M P A N Y 8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscorporation.com		 <i>E. K. Wollenschlaeger</i> 03-04-2022		VA U.S. Department of Veterans Affairs		ENLARGED FLOOR PLANS - BASEMENT		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701					
												Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Drawing Number					
																Issue Date		Checked		Drawn			
																04-MAY-2022		BKM		CB			
																				EP-401-C.1.B			




1. RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
2. CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. CHECK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY WIRE SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L1-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
3. SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
4. LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
5. PROVIDE RED COVER PLATE FOR BANCH CIRCUITS FEED FROM PANEL TC.

1	PROVIDE RECEPTACLE OR V-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
2	PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
3	PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU UNIT LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
4	PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EF-680 FOR ADDITIONAL INFORMATION.
5	PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
6	PROVIDE METER NEXT TO EACH PANEL.
7	NOT USED
8	CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12,(1)#12G, IN 3/4" C, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.

CONSULTANT

Ross & Baruzzini

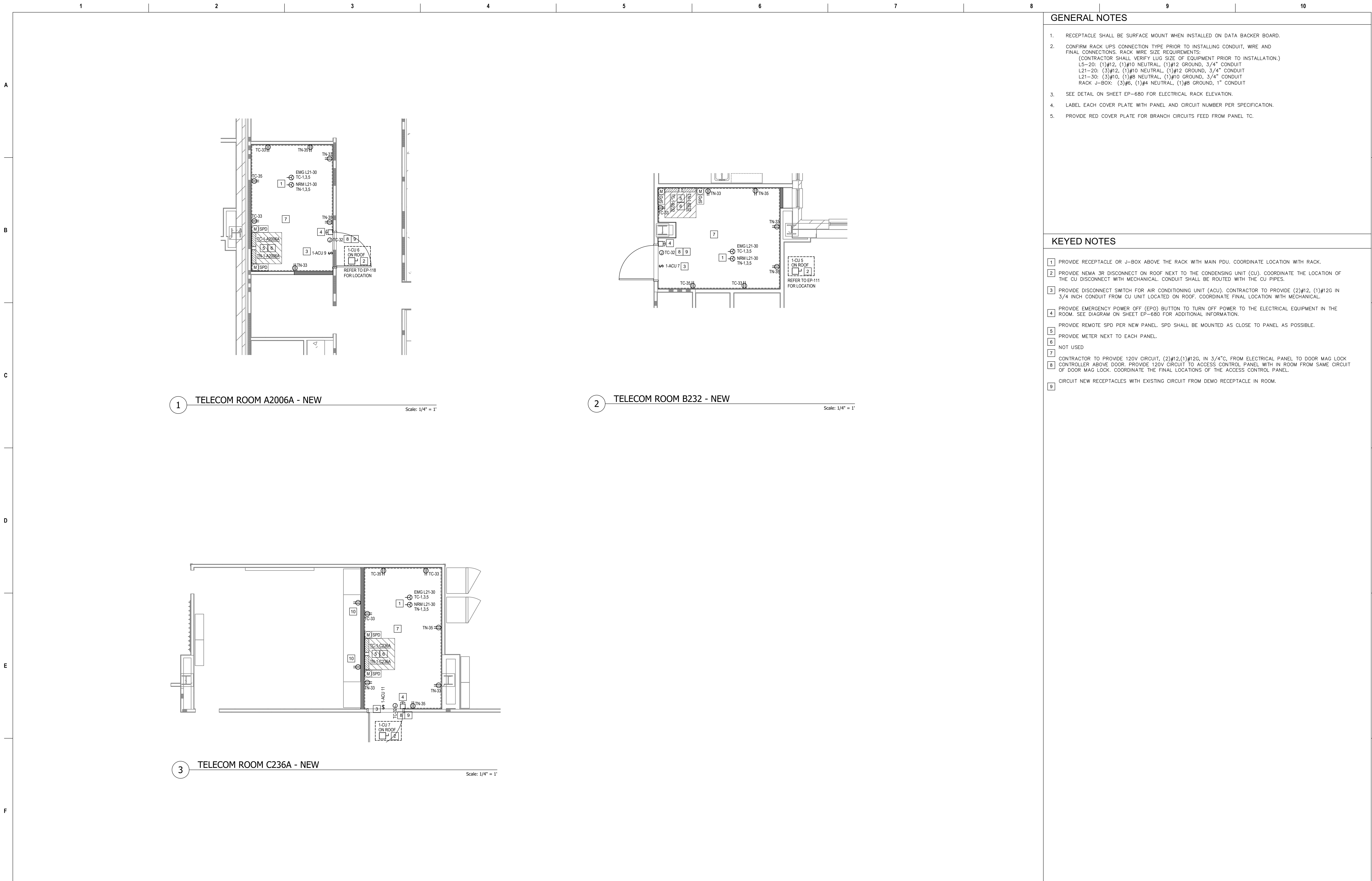
6 SOUTH OLD ORCHARD
WEBSTER GROVES, MO. 63119
T: 314.918.8383
F: 314.918.1766



Drawing Title
ENLARGED FLOOR PLANS - FIRST FLOOR
Approved: Project Director

Project Title			
CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES			
Location			
3200 VINE ST., CINCINNATI, OH			
Issue Date	Checked	Drawn	
04-MAY-2022	BKM	CB	

Project Number	539-21-701
Building Number	C1
Drawing Number	EP-402-C.1.1



GENERAL NOTES

- RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
- CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY LUG SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
- SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
- LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
- PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

KEYED NOTES

- PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
- PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
- PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU UNIT LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
- PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION.
- PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
- PROVIDE METER NEXT TO EACH PANEL.
- NOT USED
- CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12,(1)#12G, IN 3/4"C, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.
- CIRCUIT NEW RECEPTACLES WITH EXISTING CIRCUIT FROM DEMO RECEPTACLE IN ROOM.

Revisions:	Date:

CONSULTANT

Ross & Baruzzini

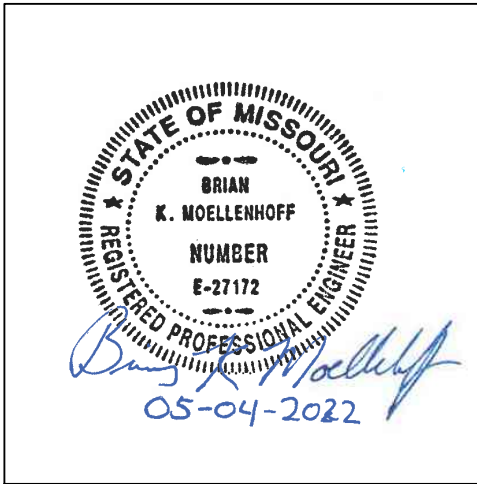
6 SOUTH OLD ORCHARD
WEBSTER GROVES, MO. 63119
T: 314.918.8383
F: 314.918.1766

PROJECT MANAGEMENT

HFS

C O M P A N Y

8718 Botts Lane Phone: (210) 816-4784
San Antonio, Texas 78217 Fax: (210) 881-6808
www.hfscorporation.com jbianco@hfscorporation.com



Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title

ENLARGED FLOOR PLANS - SECOND
FLOOR

Approved: Project Director

Phase

100% CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title

CINCINNATI VAMC EHRM
INFRASTRUCTURE UPGRADES

Location
3200 VINE ST., CINCINNATI, OH

Issue Date
04-MAY-2022

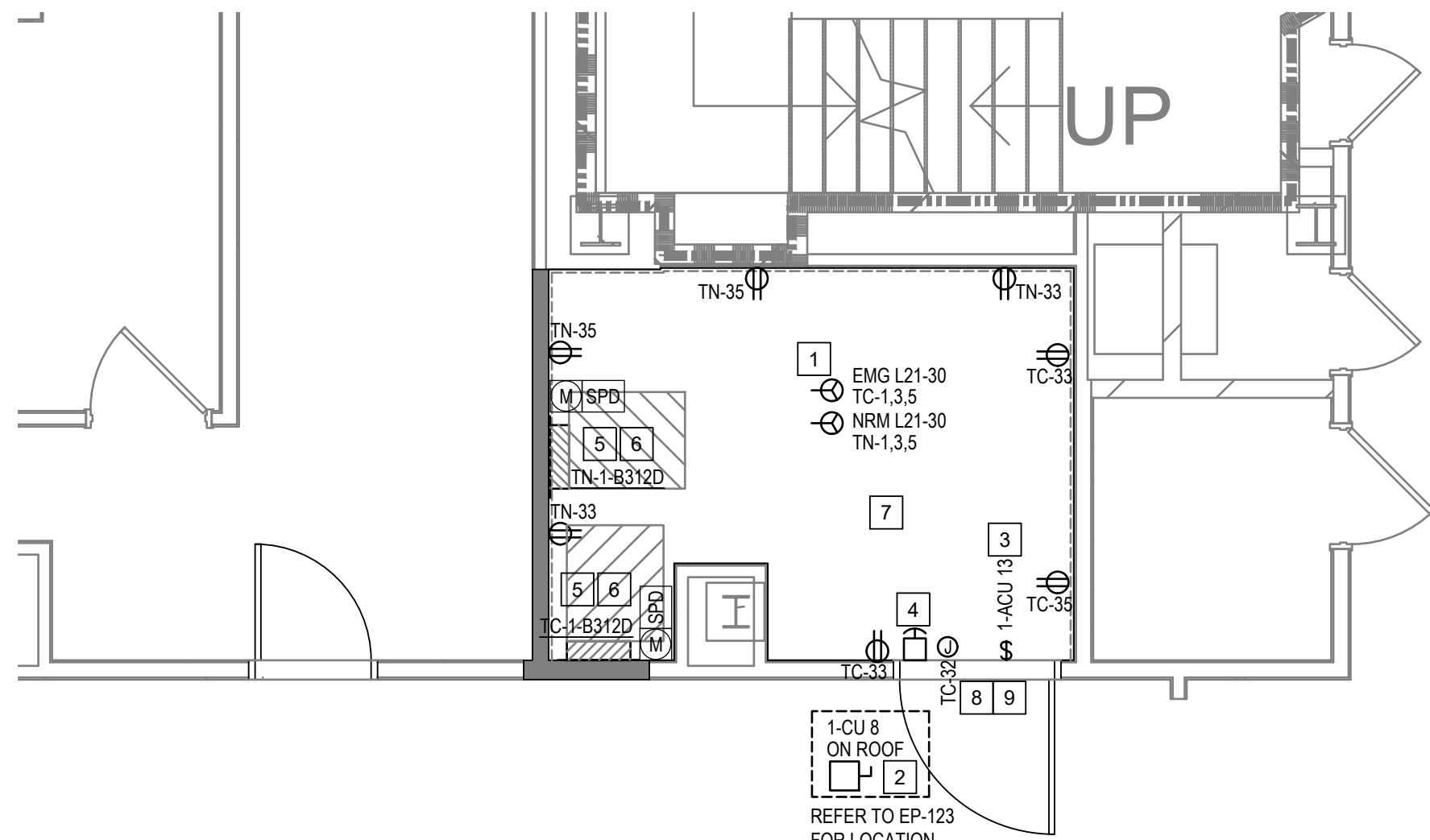
Checked
BKM

Drawn
CB

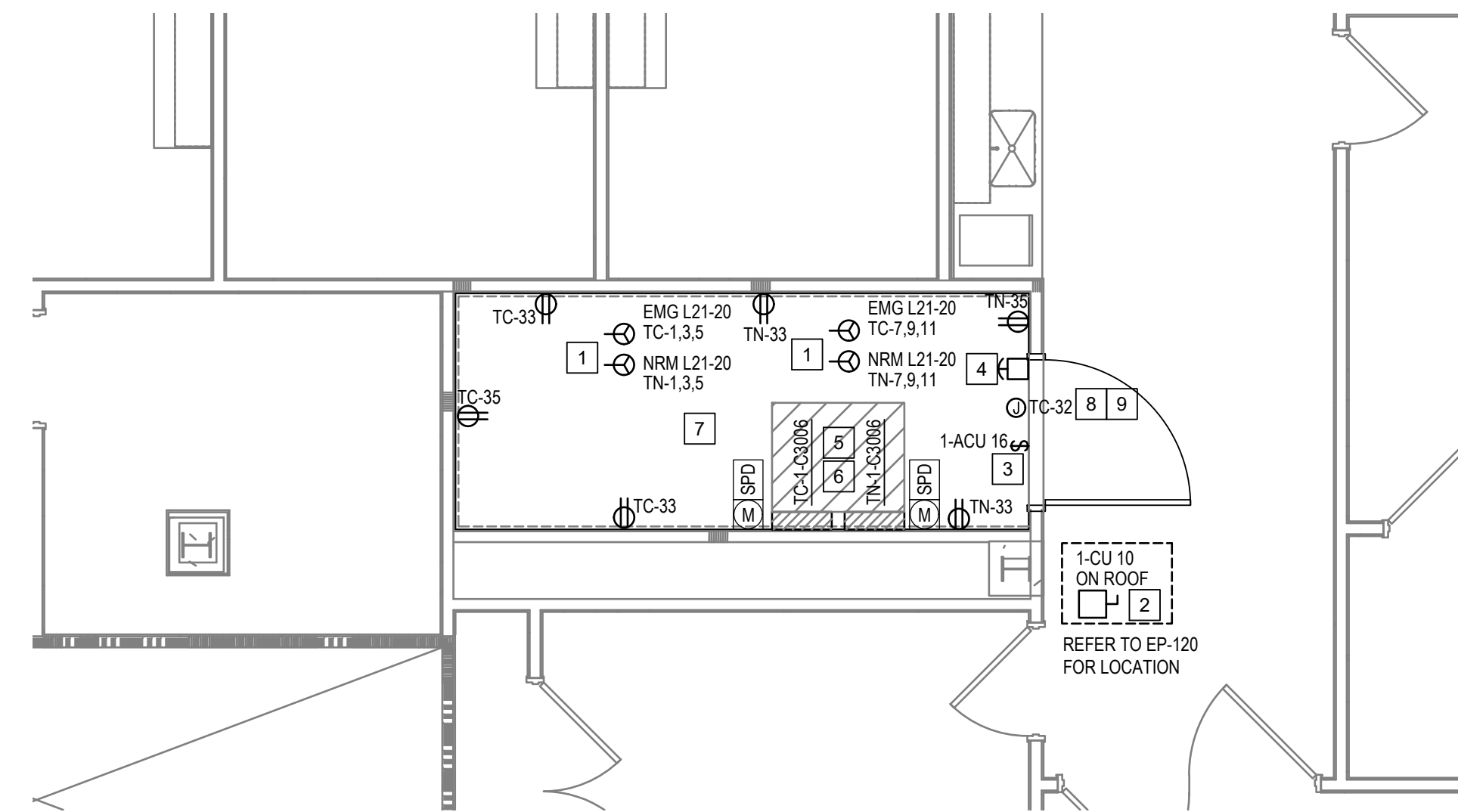
Project Number
539-21-701

Building Number
C1

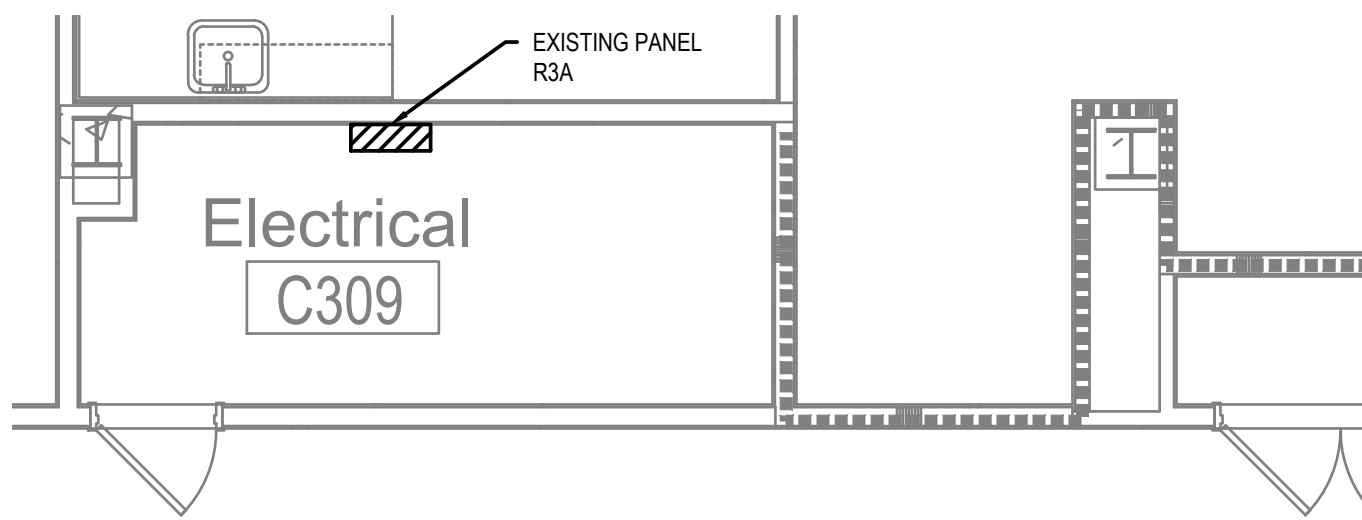
Drawing Number
EP-403-C.1.2



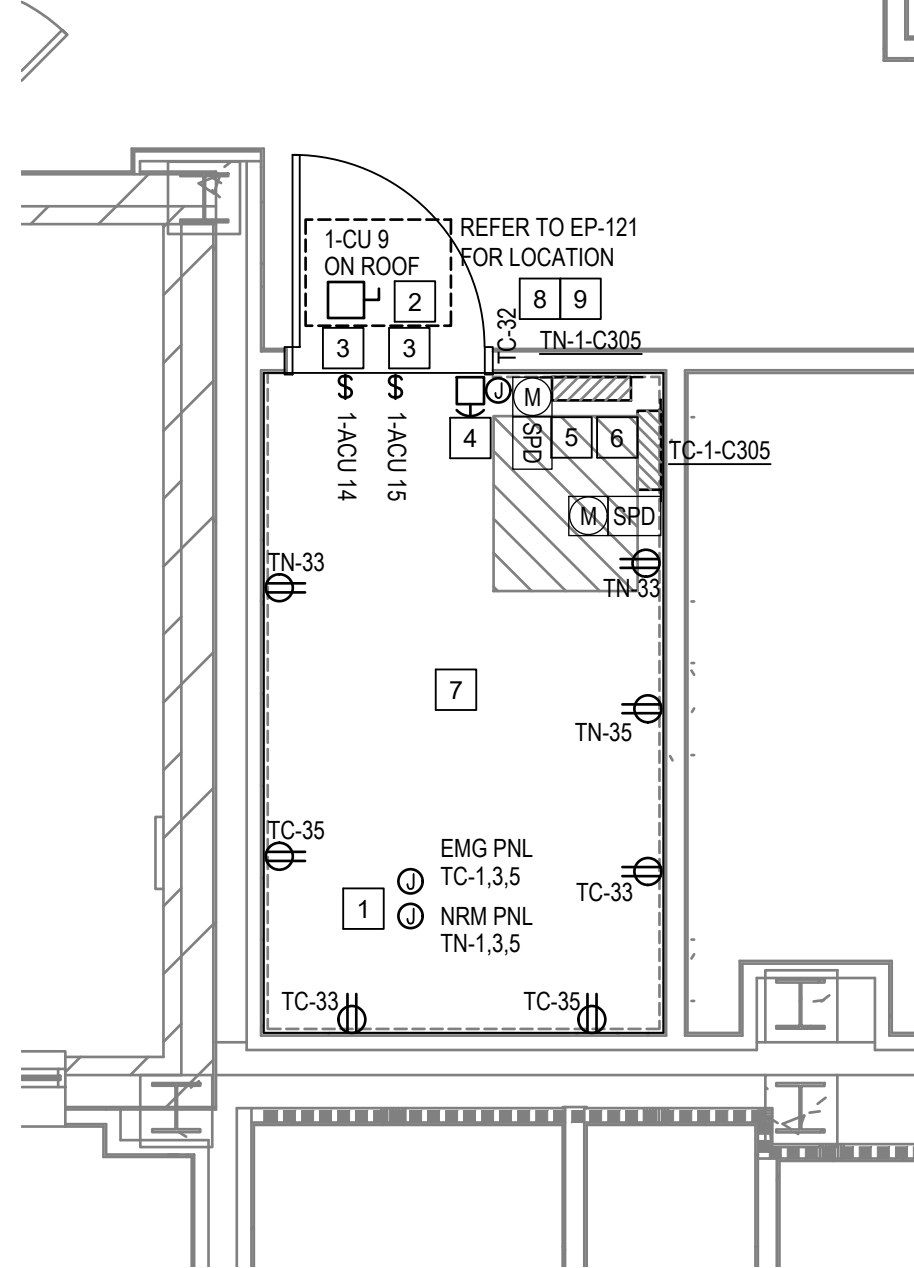
1 TELECOM ROOM B312D - NEW Scale: 1/4" = 1'



3 TELECOM ROOM C3006 - NEW Scale: 1/4" = 1'



2 RESIDENT OFFICE / OVERNIGHT C383A - NEW Scale: 1/4" = 1'



4 TELECOM ROOM C305 - NEW Scale: 1/4" = 1'

GENERAL NOTES

- RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
- CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY LUG SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
- SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
- LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
- PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

KEYED NOTES

- PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
- PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
- PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
- PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION.
- PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
- PROVIDE METER NEXT TO EACH PANEL.
- NOT USED
- CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12,(1)#12G, IN 3/4"C, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.
- PROVIDE 20 AMP SINGLE POLE CIRCUIT BREAKER IN EXISTING PANEL FOR (2) NEW CIRCUITS.

Revisions:	Date:

CONSULTANT

Ross & Baruzzini

6 SOUTH OLD ORCHARD
WEBSTER GROVES, MO. 63119
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F: 314.918.1766

PROJECT MANAGEMENT

HFS

C O M P A N Y

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San Antonio, Texas 78217 Fax: (210) 881-6808
www.hfscorporation.com jbianco@hfscorporation.com



Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title

ENLARGED FLOOR PLANS - THIRD
FLOOR

Approved: Project Director

Phase

100% CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title

CINCINNATI VAMC EHRM
INFRASTRUCTURE UPGRADES

Location
3200 VINE ST., CINCINNATI, OH

Issue Date
04-MAY-2022

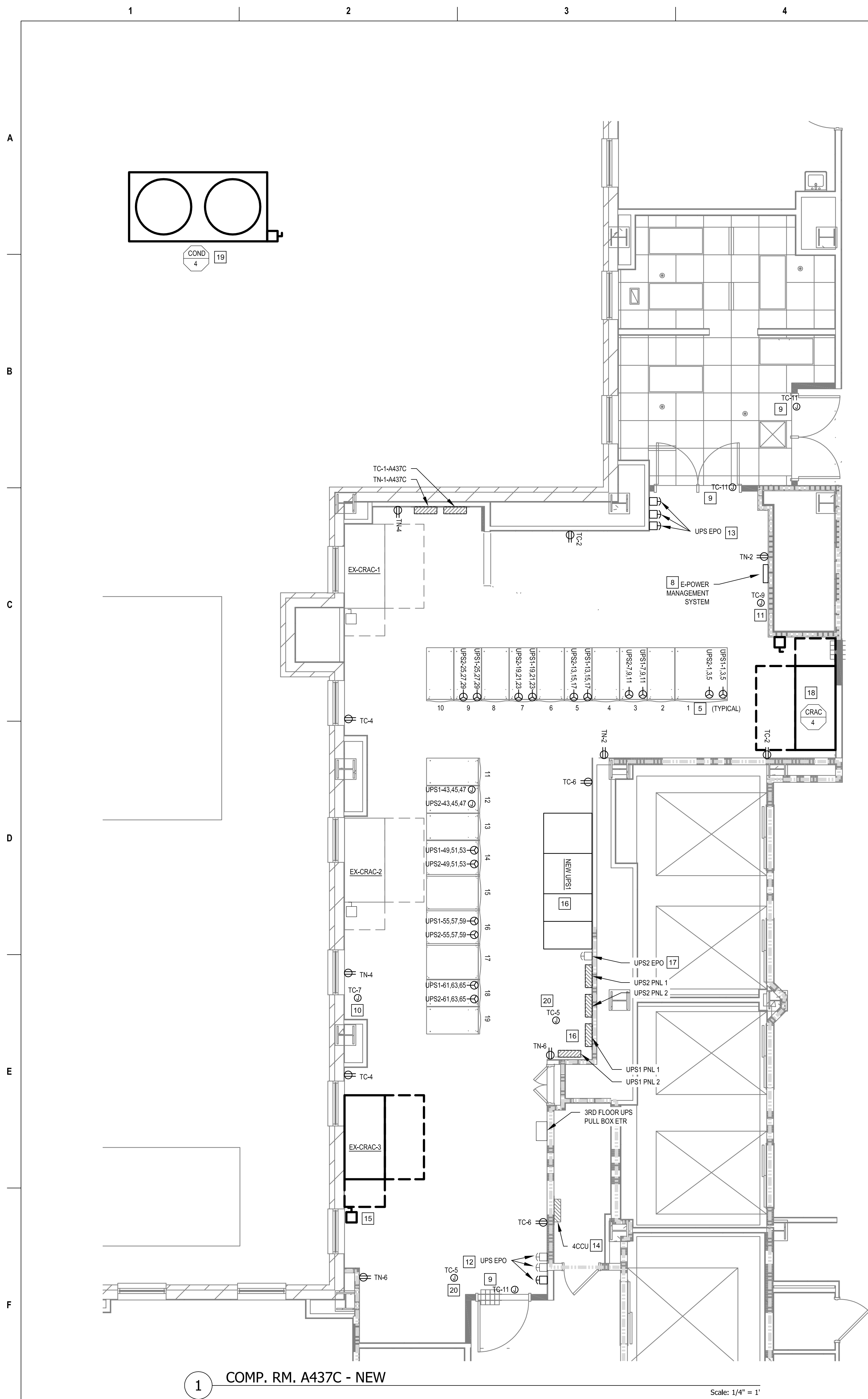
Checked
BKM

Drawn
CB

Project Number
539-21-701

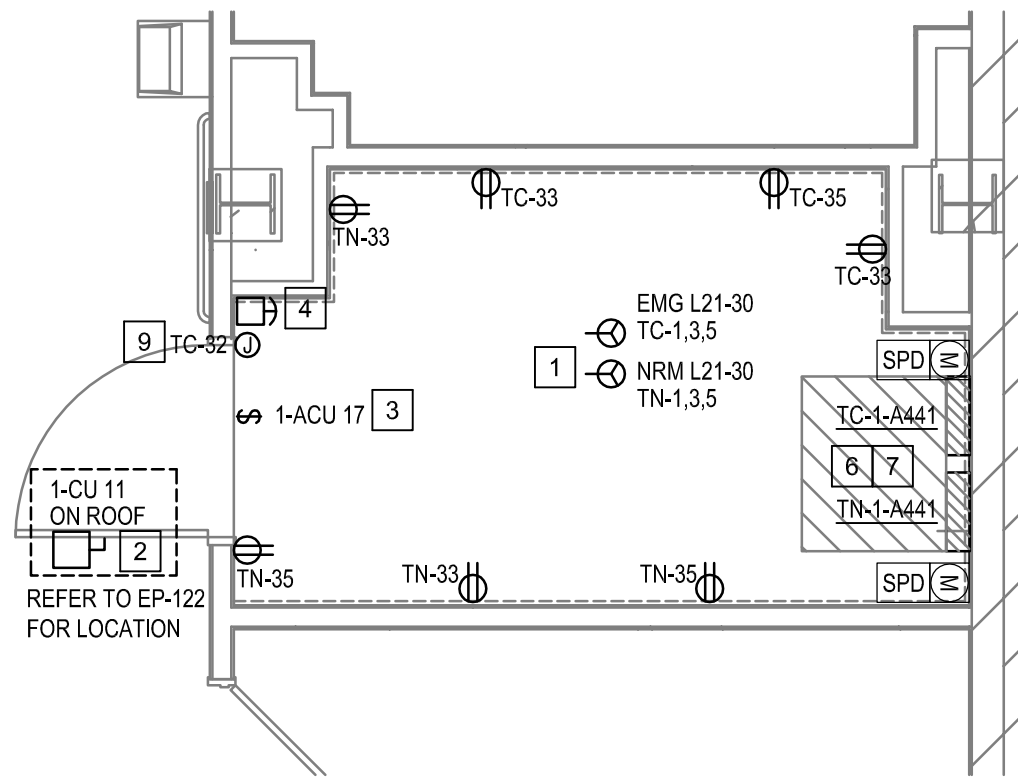
Building Number
C1

Drawing Number
EP-404-C.1.3



2 TELECOM ROOM A441 - NEW

Scale: 1/4" = 1'



GENERAL NOTES

- RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
- CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY LUG SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
- SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
- LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
- PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.
- EC SHALL COORDINATE PHASING OF WORK WITH OTHER DISCIPLINES. SEE PHASING NOTES ON SHEET E-000

KEYED NOTES

- AS SHOWN, PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
- PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
- PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU-11 UNITED LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
- PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION.
- PROVIDE RECEPTACLE UNDER FLOOR. COORDINATE LOCATION WITH RACK. EACH RACK IN A437C SHALL HAVE (2) L21-20R. ONE SHALL BE FEED FROM UPS1 PANELS AND THE OTHER SHALL BE FEED FROM UPS2 PANELS.
- PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
- PROVIDE METER NEXT TO EACH PANEL.
- NEW LOCATION OF E-POWER MANAGEMENT SYSTEM. EXTEND EXISTING WIRING AS REQUIRED TO NEW LOCATION.
- CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12, (1)#12G, IN 3/4" INCH CONDUIT, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.
- PROVIDED 120V CONNECTION TO VESDA CONTROL PANEL.
- PROVIDED 120V CONNECTION TO CLEAN AGENT CONTROL PANEL.
- RELOCATE EXISTING UPS1 AND UPS2 EPO BUTTON TO NEW LOCATION. PROVIDE NEW EPO FOR CRAC UNIT, PANEL TC-1-A437C, AND TN-1-A437C SHUT DOWN, SEE DETAIL ON SHEET EP-680.
- RELOCATE EXISTING UPS1 AND UPS2 EPO BUTTON TO NEW LOCATION. PROVIDE NEW EPO FOR CRAC UNIT, PANEL TC-1-A437C, AND TN-1-A437C SHUT DOWN, SEE DETAIL ON SHEET EP-680.
- PROVIDE POWER METERING FOR THE EXISTING COND-1,2,3 AND EXISTING CRAC-1,2,3. ALSO, PROVIDE POWER METER FOR NEW UNITS CRAC-4 AND COND-4.
- EXTEND THE CRAC-3 EXISTING CIRCUIT TO NEW LOCATION. PROVIDE NEW 60 AMP DISCONNECT. PROVIDE (3)#8, (1)#10G, 3/4" CONDUIT.
- NEW UPS1 AND UPS1 PANELBOARDS LOCATION. REFER TO ONE-LINE AND PHASING REQUIREMENTS ON DRAWING EP-604-C.1.
- UPS2 EPO SHALL REMAIN. EXTEND WIRING AS REQUIRED TO RELOCATED THE ENTRANCE AND EXIT EPO.
- PROVIDE 30AMP, 3 POLE, NEMA 3R DISCONNECT SWITCH FOR CONDENSER UNIT 4. CONTRACTOR TO PROVIDE (3)#12, (1)#12G IN 3/4 INCH CONDUIT FROM 4CCU PANEL TO CONDENSER UNIT 4. COORDINATE FINAL LOCATION WITH MECHANICAL.
- PROVIDE 60AMP, 3 POLE, NEMA 1 DISCONNECT SWITCH FOR CRAC UNIT 4. CONTRACTOR TO PROVIDE (3)#8, (1)#10G IN 1 INCH CONDUIT FROM 4CCU PANEL TO CRAC UNIT 4. COORDINATE FINAL LOCATION WITH MECHANICAL.
- PROVIDE POWER CONNECTION TO SMOKE DAMPER. COORDINATE POWER REQUIREMENTS WITH SMOKE DAMPER.

Revisions:	Date:

CONSULTANT

Ross & Baruzzini

6 SOUTH OLD ORCHARD
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PROJECT MANAGEMENT

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Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
ENLARGED FLOOR PLANS - FOURTH FLOOR
Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title
CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES
Location
3200 VINE ST., CINCINNATI, OH
Issue Date
14-OCTOBER-2022
Checked
BKM
Drawn
CB
Project Number
539-21-701
Building Number
C1
Drawing Number
EP-405-C.1.4

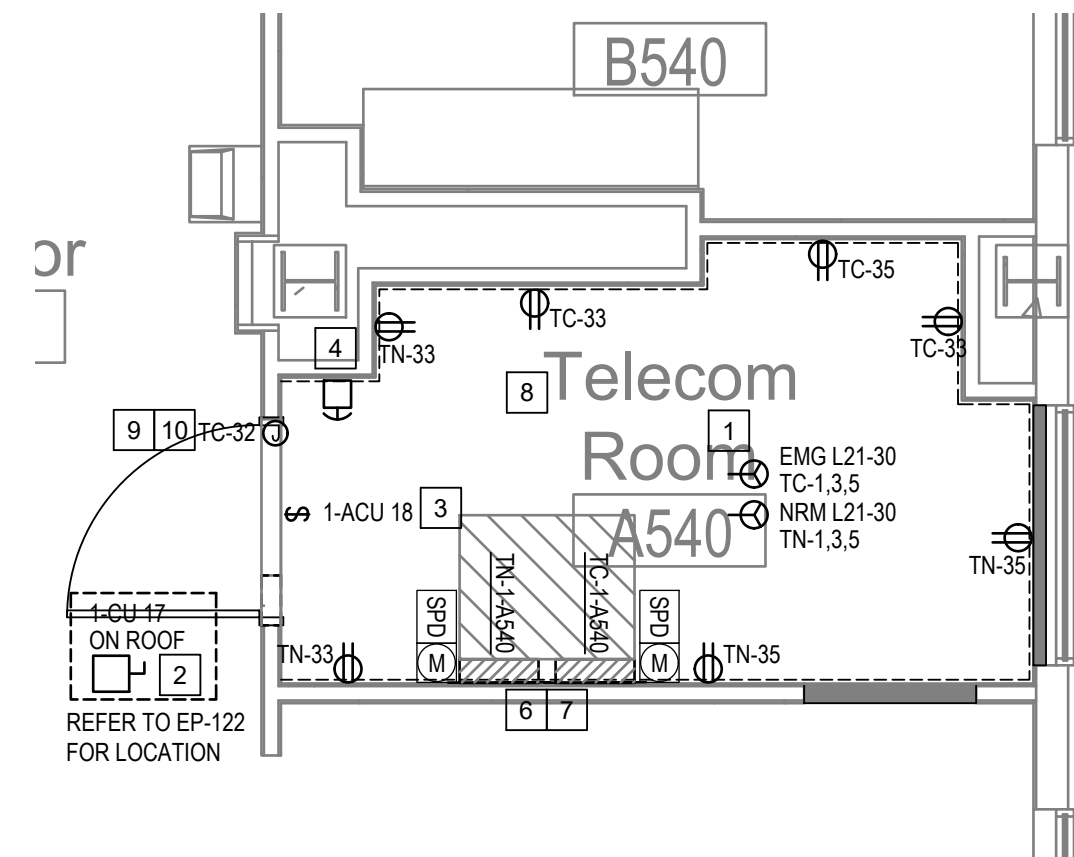
A

B

C

D

E

F

1 TELECOM ROOM A540 - NEW


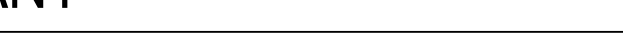


Scale: 1/4" = 1'

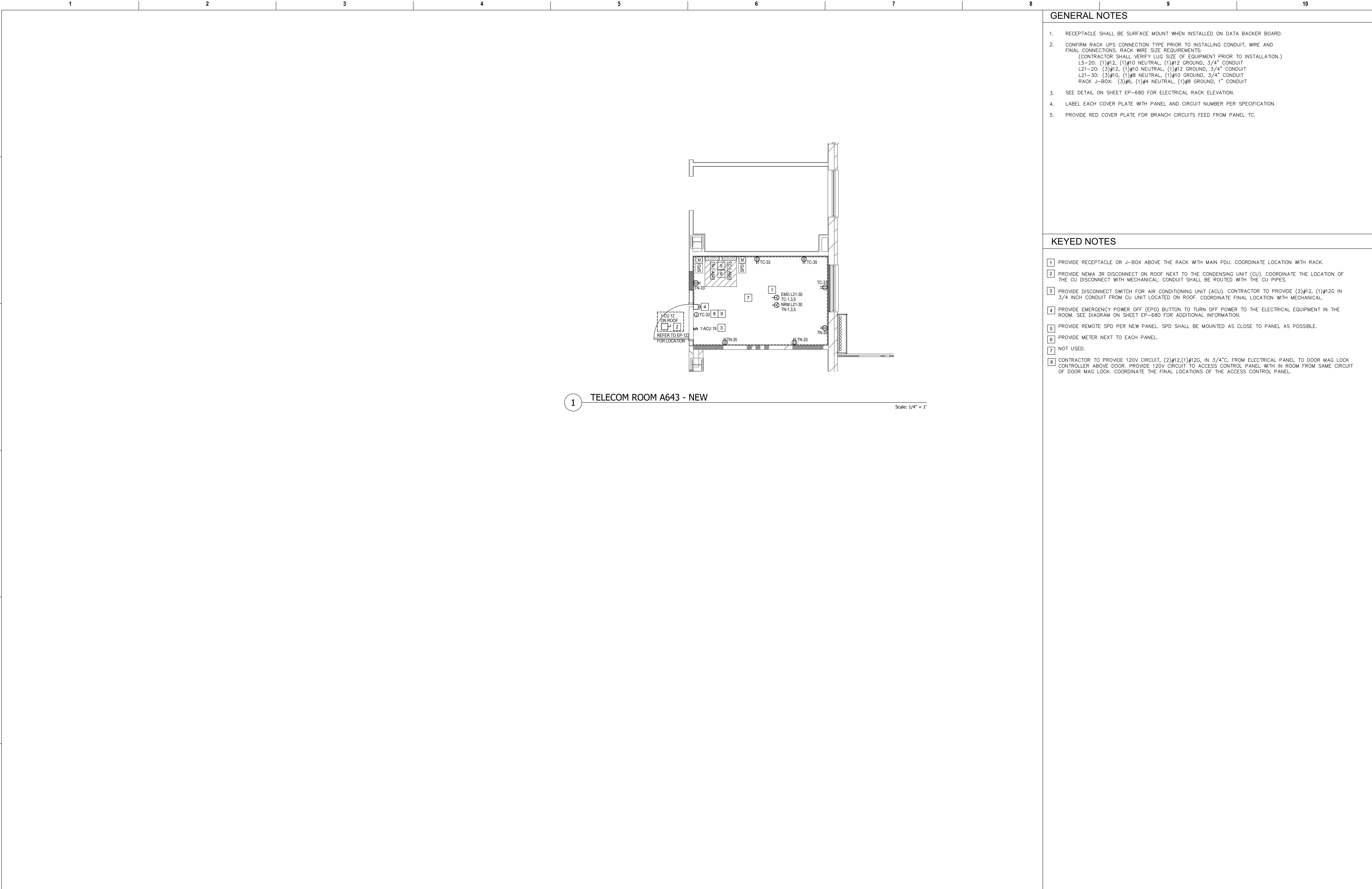
GENERAL NOTES

1. RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
2. CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY WIRE SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
L21-20: (1)#12, (1)#12 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#8, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
3. SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
4. LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
5. PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

KEYED NOTES

- 1 AS SHOWN, PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
- 2 PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
- 3 PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU UNIT LOCATION ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
- 4 PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION.
- 5 PROVIDE RECEPTACLE UNDER FLOOR. COORDINATE LOCATION WITH RACK.
- 6 PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
- 7 PROVIDE METER NEXT TO EACH PANEL.
- 8 NOT USED.
- 9 CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12, (1)#12G, IN 3/4" FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT				Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
											ENLARGED FLOOR PLANS - FIFTH FLOOR		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766 www.hfscorpany.com		C O M P A N Y 8718 Botts Lane San Antonio, Texas 78217 www.hfscorpany.com		Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscorpany.com				Approved: Project Director				Location 3200 VINE ST., CINCINNATI, OH		Building Number C1	
									 U.S. Department of Veterans Affairs						Issue Date 04-MAY-2022		Drawing Number EP-406-C.1.5	
															Checked BKM			
															Drawn CB			



GENERAL NOTES


- RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
- CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY LUG SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
LS-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
- SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
- LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
- PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

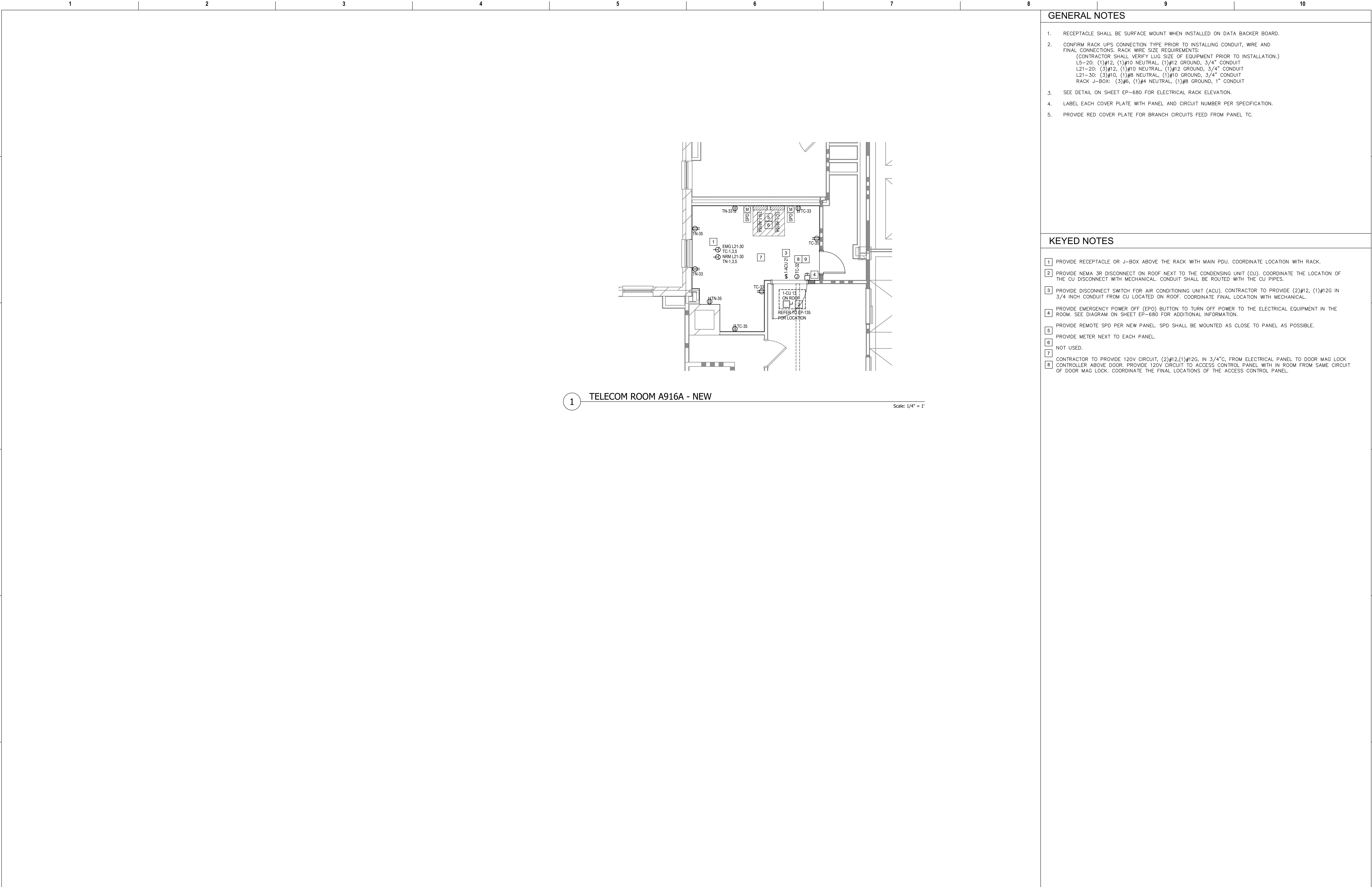
KEYED NOTES

- PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
- PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
- PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU UNIT LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
- PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION.
- PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
- PROVIDE METER NEXT TO EACH PANEL.
- NOT USED.
- CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12,(1)#12G, IN 3/4"C, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.

1 TELECOM ROOM A643 - NEW

Scale: 1/4" = 1'

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase	Project Title		Project Number				
			<div>Ross & Baruzzini</div> <div>6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766</div>		<div>H F S</div> <div>C O M P A N Y</div> <div>8718 Botts Lane San Antonio, Texas 78217 www.hfscorporation.com Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscorporation.com</div>		<div> <i>Brian K. Mollenhoff</i> 05-04-2022</div>		<div>Construction and Facilities Management</div> <div>VA U.S. Department of Veterans Affairs</div>		<div>ENLARGED FLOOR PLANS - SIXTH FLOOR</div> <div>Approved: Project Director</div>		<div>100% CONSTRUCTION DOCUMENTS</div> <div>FULLY SPRINKLERED</div>		539-21-701	
Building Number C1																
Drawing Number																
EP-407-C.1.6																



GENERAL NOTES

- RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
- CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY LUG SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
- SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
- LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
- PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

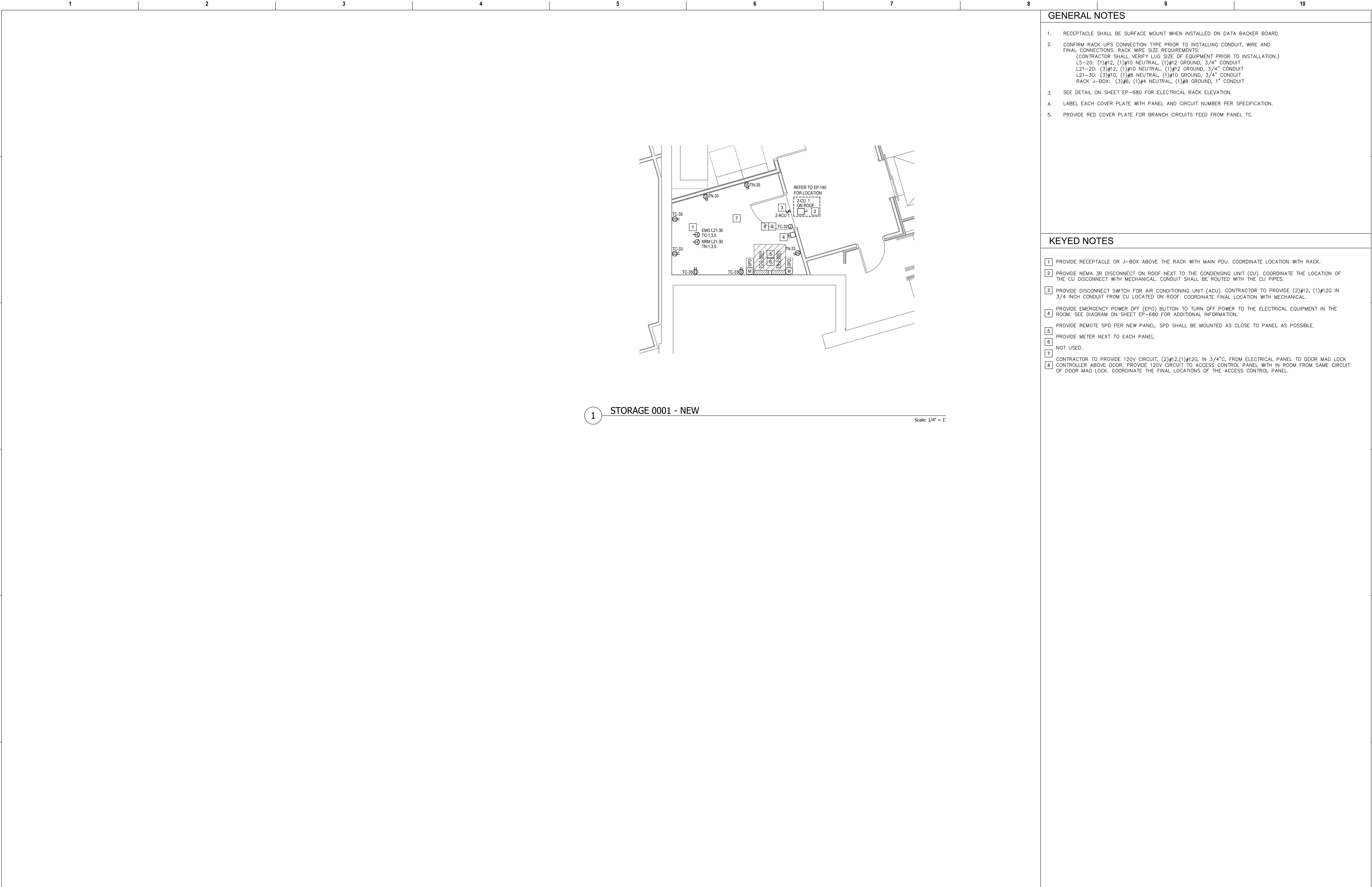
KEYED NOTES

- PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
- PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
- PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
- PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION.
- PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
- PROVIDE METER NEXT TO EACH PANEL.
- NOT USED.
- CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12,(1)#12G, IN 3/4"C, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.

1 TELECOM ROOM A916A - NEW

Scale: 1/4" = 1'

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		Drawing Title		Phase	Project Title		Project Number	
			Ross & Baruzzini 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		HFS C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscorporation.com jbianco@hfscorporation.com		ENLARGED FLOOR PLANS - NINTH FLOOR		100% CONSTRUCTION DOCUMENTS	CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701	
							Approved: Project Director		FULLY SPRINKLERED	Location 3200 VINE ST., CINCINNATI, OH		Building Number C1	
										Issue Date 04-MAY-2022		Drawing Number EP-410-C.1.9	
										Checked BKM		Drawn CB	



GENERAL NOTES





1. RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
2. CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY LUG SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
LS-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
3. SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
4. LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
5. PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

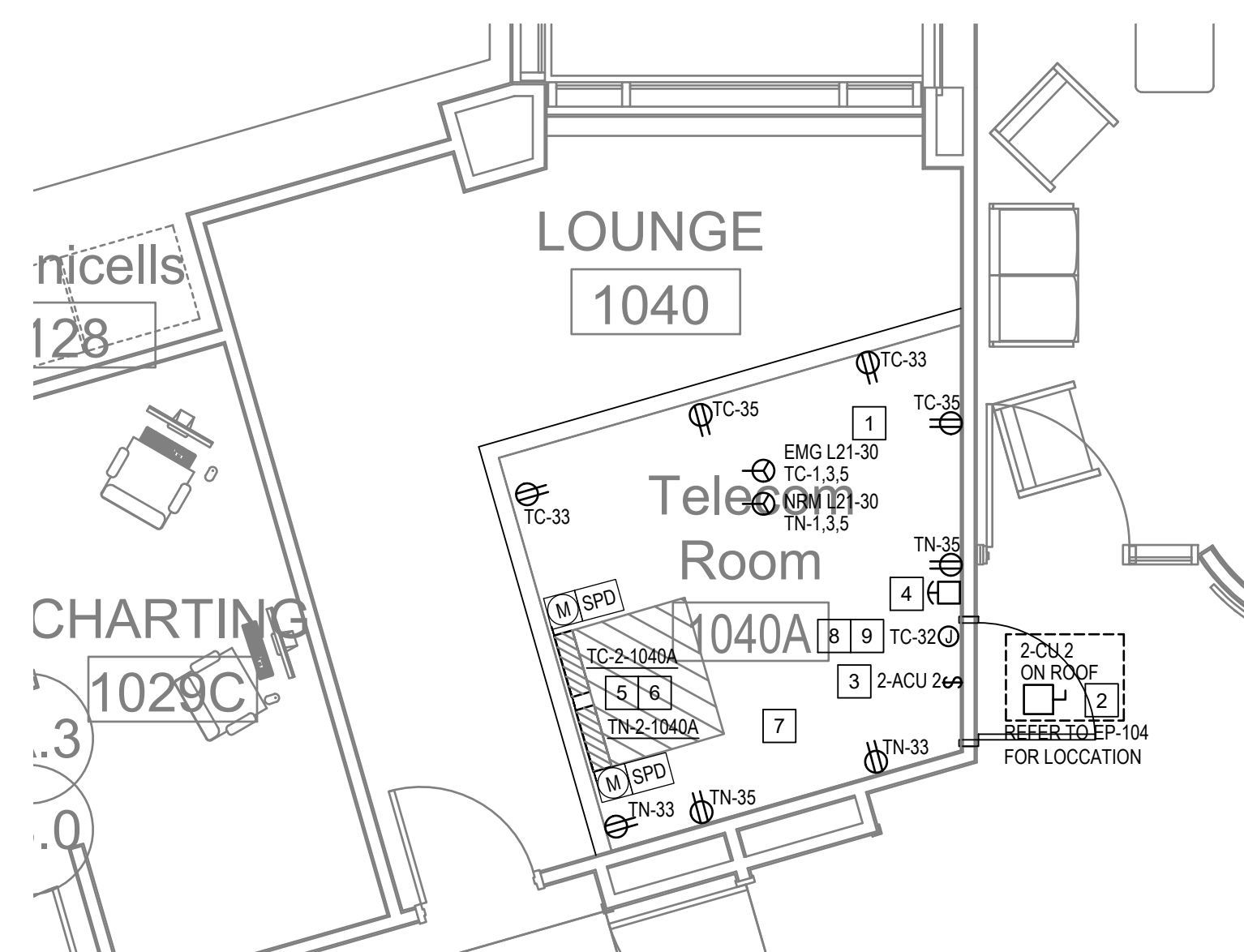
KEYED NOTES

- 1 PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
- 2 PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
- 3 PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
- 4 PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION.
- 5 PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
- 6 PROVIDE METER NEXT TO EACH PANEL.
- 7 NOT USED.
- 8 CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12,(1)#12G, IN 3/4"C, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.

1 STORAGE 0001 - NEW

Scale: 1/4" = 1'

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT				Construction and Facilities Management		Drawing Title		Phase		Project Title			Project Number				
									ENLARGED FLOOR PLANS - BASEMENT		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES			539-21-701						
		Building Number																C2				
		Location																Drawing Number				
		3200 VINE ST., CINCINNATI, OH																EP-420-C.2.B				
		Issue Date																Checked		Drawn		
		04-MAY-2022																BKM		CB		
			6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		8718 Botts Lane San Antonio, Texas 78217 www.hfscompany.com		Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscompany.com		Approved: Project Director		FULLY SPRINKLERED											
									VA U.S. Department of Veterans Affairs													



1 TELECOM ROOM 1040A - NEW

Scale: 1/4" = 1'

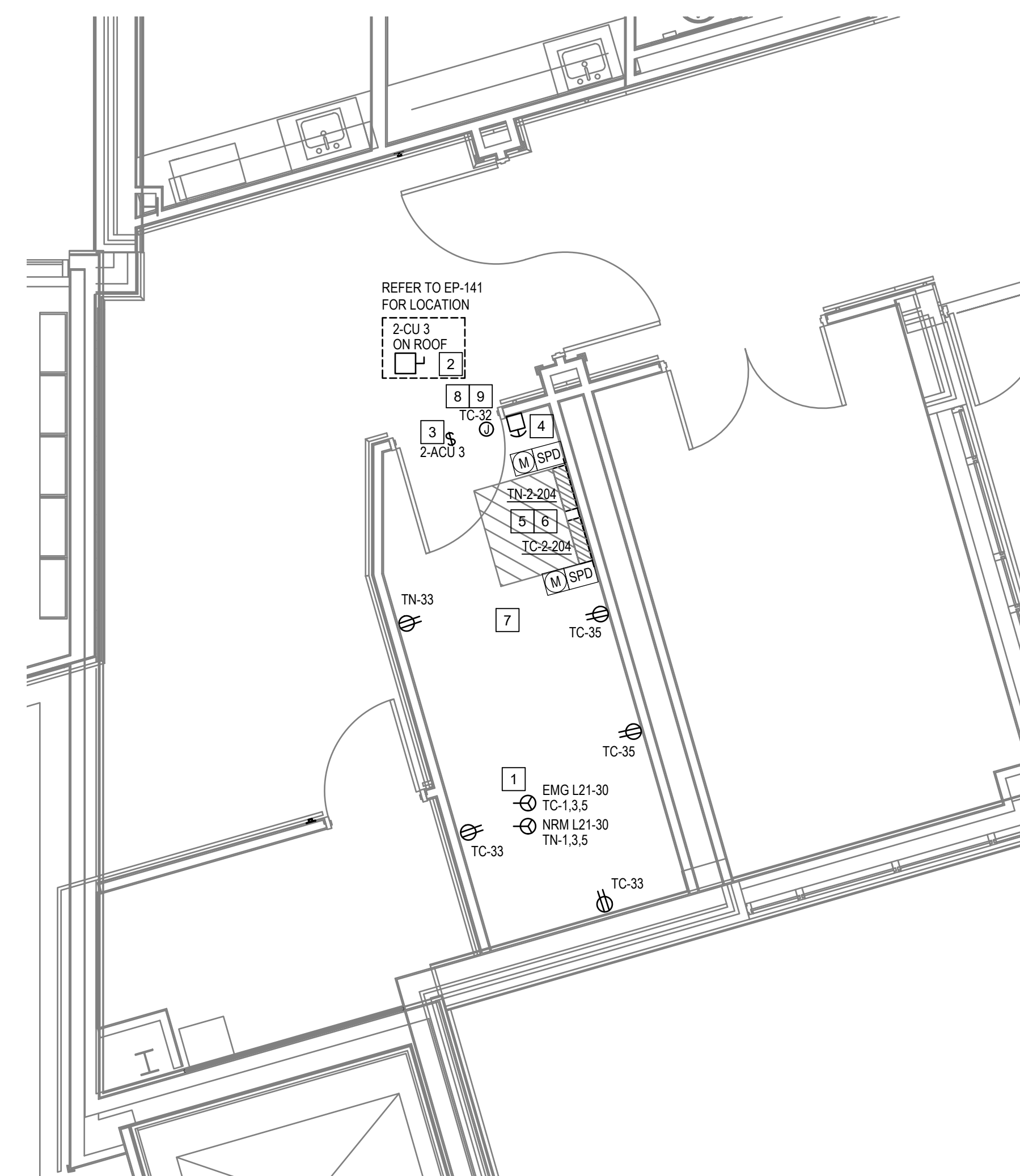
GENERAL NOTES

1. RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
2. CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY LOGS OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
3. SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
4. LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
5. PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

KEYED NOTES

- | | |
|---|---|
| 1 | PROVIDE RECEPTACLE ON J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK. |
| 2 | PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES. |
| 3 | PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)(12,1)2IG IN 3/4 INCH CONDUIT FROM CU UNIT LOCATION ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL. |
| 4 | PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION. |
| 5 | PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE. |
| 6 | PROVIDE METER NEXT TO EACH PANEL. |
| 7 | NOT USED. |
| 8 | CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)(12,1)2IG, IN 3/4" FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL. |

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		<div><div><div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div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1 STORAGE 204 - NEW

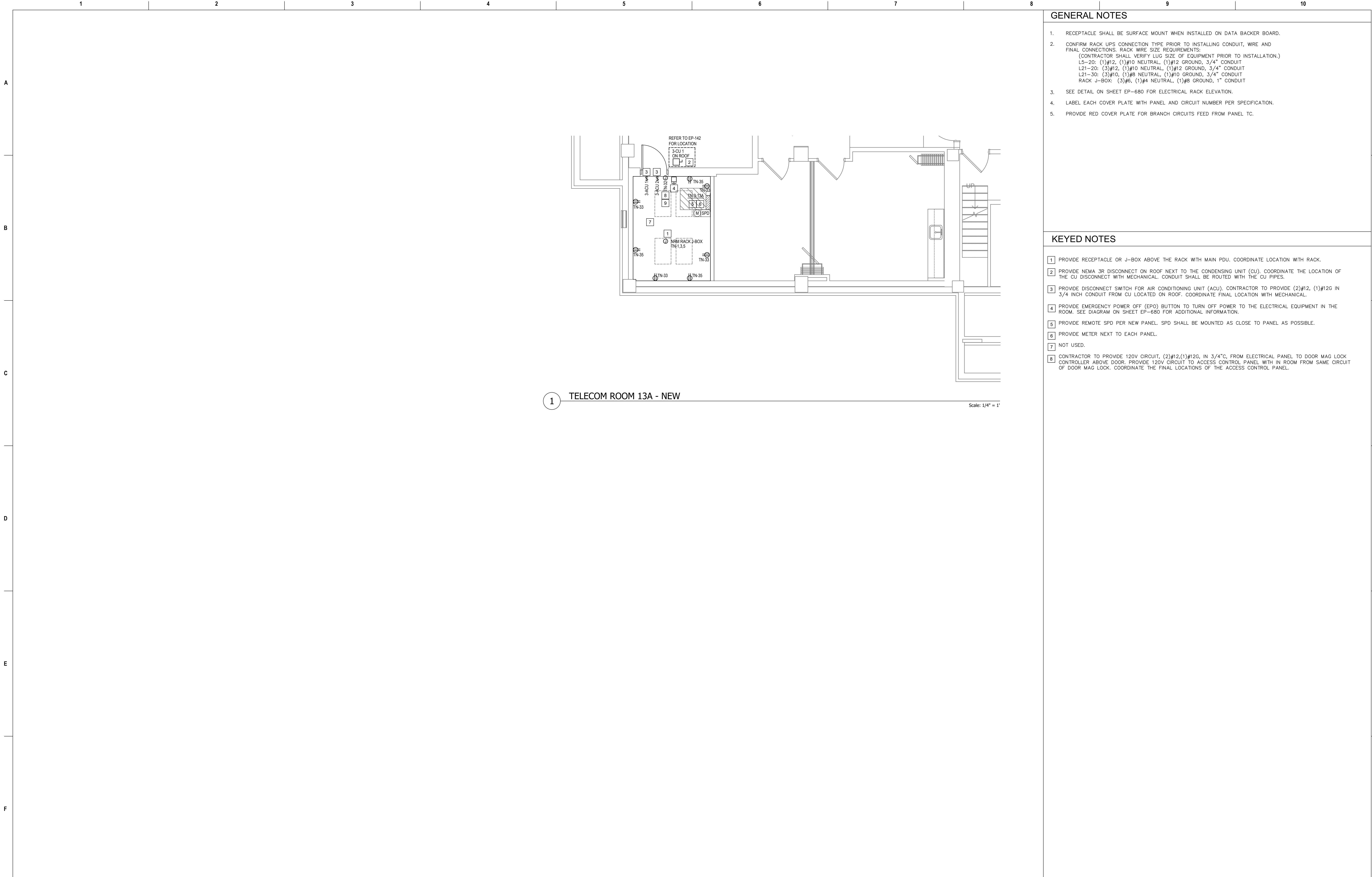
Scale: 1/4" = 1'

GENERAL NOTES	
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KEYED NOTES

- 1 PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
- 2 PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
- 3 PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2) #12, (1) #12G IN 3/4 INCH CONDUIT FROM CU UNIT LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
- 4 PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION.
- PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
- 5
- 6 PROVIDE METER NEXT TO EACH PANEL.
- 7 NOT USED.
- 8 CONTRACTOR TO PROVIDE 120V CIRCUIT, (2) #12, (1) #12G, IN 3/4" C, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.

[illegible]



GENERAL NOTES

- RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
- CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY LUG SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
- SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
- LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
- PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

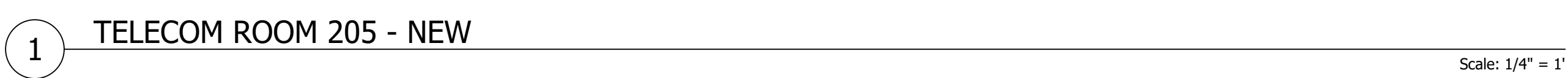
KEYED NOTES

- PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
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1 TELECOM ROOM 13A - NEW




Scale: 1/4" = 1'

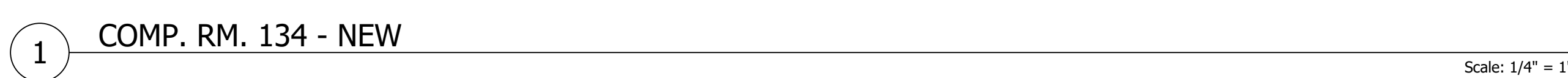
Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT		<div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><d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1. RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
2. CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY ALL USE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L3-20: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
3. SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
4. LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
5. PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.




1	PROVIDE RECEPTACLE OR V-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
2	PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
3	PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2) #12G IN 3/4 INCH CONDUIT FROM CU LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
4	PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EF-680 FOR ADDITIONAL INFORMATION.
5	PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
6	PROVIDE METER NEXT TO EACH PANEL.
7	NOT USED.
8	CONTRACTOR TO PROVIDE 120V CIRCUIT, (2) #12G IN 3/4" C. FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.

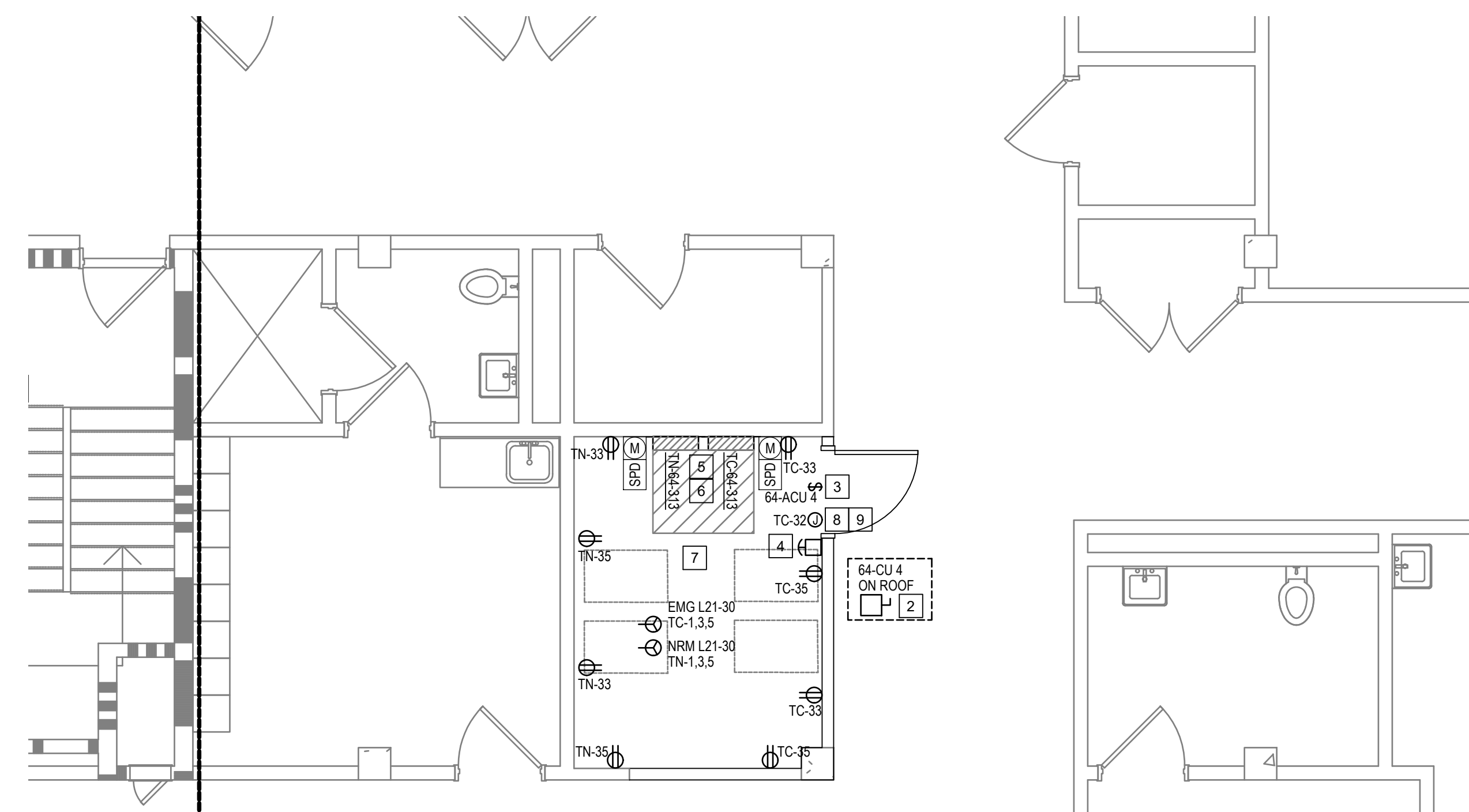
Revisions:	Date:	CONSULTANT	PROJECT MANAGEMENT		Construction and Facilities Management	Drawing Title	Project Title	Phase	Project Title	Project Number
		 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8389 F: 314.918.1766	 C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscompany.com jbianco@hfscompany.com			ENLARGED FLOOR PLANS - SECOND FLOOR	100% CONSTRUCTION DOCUMENTS	CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES	539-21-701	
						Approved: Project Director			Location	Building Number
							FULLY SPRINKLERED		3200 VINE ST., CINCINNATI, OH	C8
									Issue Date	Drawing Number
									04-MAY-2022	EP-440-C.8.2
									Checked	
									BKM	
									Drawn	
									CB	



1. RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
2. CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY ALL USE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L3-20: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
3. SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
4. LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
5. PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

1	PROVIDE RECEPTACLE ON J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
2	PROVIDE NEMA 3P DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
3	PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU UNIT ON THE ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
4	PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EF-680 FOR ADDITIONAL INFORMATION.
	PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
5	PROVIDE METER NEXT TO EACH PANEL.
6	NOT USED.
7	
8	CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12,(1)#12G, IN 3/4" FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT			Construction and Facilities Management		Drawing Title		Project Title		Project Number		
			 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		 C O M P A N Y 8718 Botts Lane San Antonio, Texas 78217 www.hfscompany.com Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscompany.com			VA U.S. Department of Veterans Affairs		ENLARGED FLOOR PLANS - FIRST FLOOR		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701
							Building Number									
										Approved: Project Director				Drawing Number		
												FULLY SPRINKLERED		EP-461-FT.64.1		
												3200 VINE ST., CINCINNATI, OH				
												Issue Date		Checked	Drawn	
												04-MAY-2022		BKM	CB	



1 TELECOM ROOM 313 - NEW




Scale: 1/4" = 1'

GENERAL NOTES

1. RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
2. CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. CHECK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY WIRE SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L1-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
3. SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
4. LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
5. PROVIDE RED COVER PLATE FOR BANCH CIRCUITS FEED FROM PANEL TC.

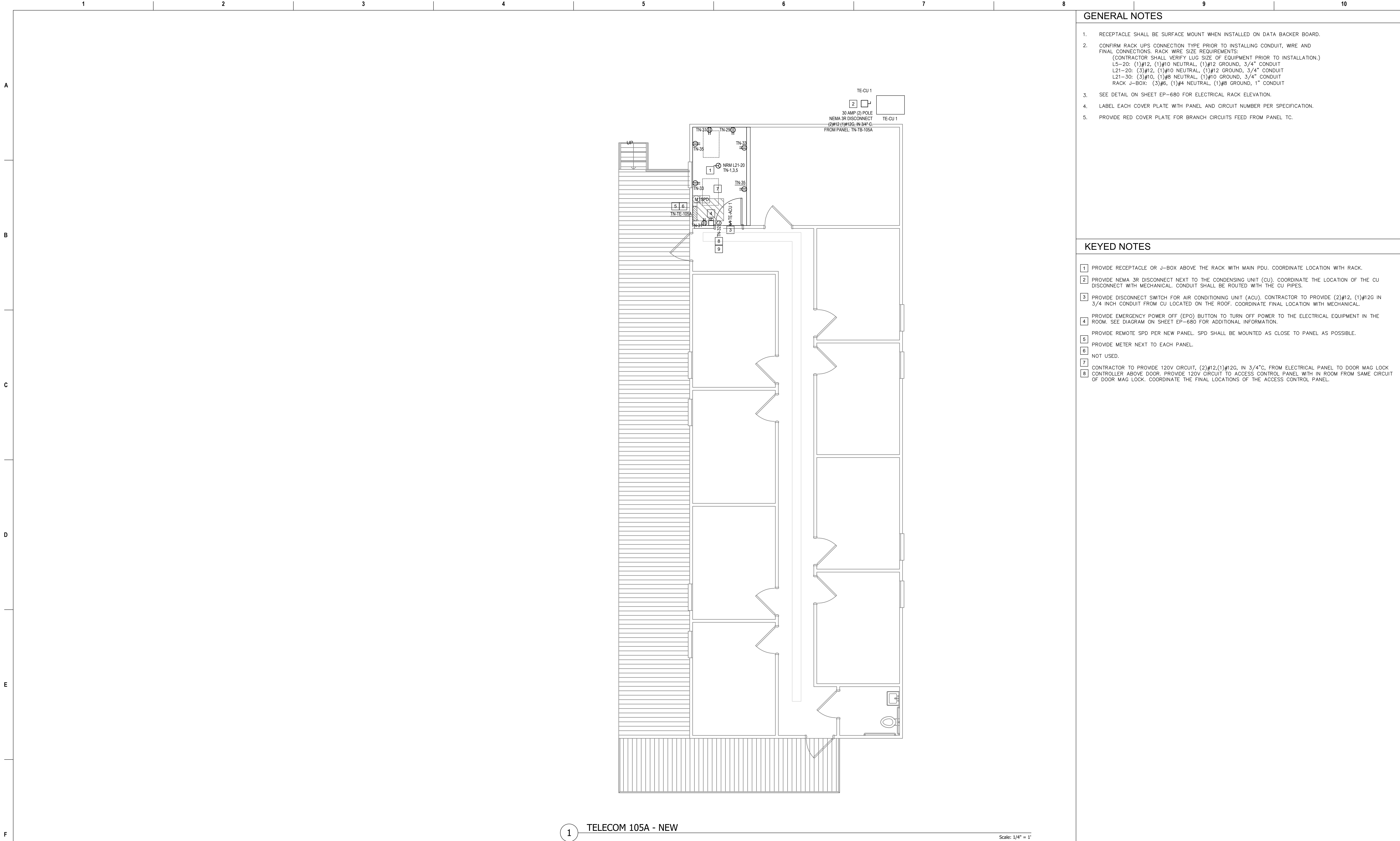
KEYED NOTES

- | | |
|---|--|
| 1 | PROVIDE RECEPTACLE OR V-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK. |
| 2 | PROVIDE NEMA 3R DISCONNECT ON ROOF NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES. |
| 3 | PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU UNIT LOCATED ON ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL. |
| 4 | PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EF-680 FOR ADDITIONAL INFORMATION. |
| | PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE. |
| 5 | PROVIDE METER NEXT TO EACH PANEL. |
| 6 | NOT USED. |
| 7 | |
| 8 | CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12,(1)#12G, IN 3/4" C, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL. |

Revisions:	Date:	CONSULTANT	PROJECT MANAGEMENT		Construction and Facilities Management	Drawing Title	Phase	Drawing Title	Project Title	Project Number						
		 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766 www.hfscorporate.com	 C O R P O R A T I O N 8718 Botts Lane San Antonio, Texas 78217 Phone: (210) 816-4784 Fax: (210) 881-6808 jbianco@hfscorporate.com			ENLARGED FLOOR PLANS - THIRD FLOOR	100% CONSTRUCTION DOCUMENTS	Location	3200 VINE ST., CINCINNATI, OH	Building Number	539-21-701					
						Approved: Project Director	FULLY SPRINKLERED	Issue Date	04-MAY-2022	Checked	BKM	Drawn	CB	Drawing Number	FT64	EP-463-FT.64.3



Project Number
539-21-701
Building Number
FT TB
Drawing Number
EP-480-C.TB.1



GENERAL NOTES





- RECEPTACLE SHALL BE SURFACE MOUNT WHEN INSTALLED ON DATA BACKER BOARD.
- CONFIRM RACK UPS CONNECTION TYPE PRIOR TO INSTALLING CONDUIT, WIRE AND FINAL CONNECTIONS. RACK WIRE SIZE REQUIREMENTS:
(CONTRACTOR SHALL VERIFY LUG SIZE OF EQUIPMENT PRIOR TO INSTALLATION.)
L5-20: (1)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-20: (3)#12, (1)#10 NEUTRAL, (1)#12 GROUND, 3/4" CONDUIT
L21-30: (3)#10, (1)#8 NEUTRAL, (1)#10 GROUND, 3/4" CONDUIT
RACK J-BOX: (3)#6, (1)#4 NEUTRAL, (1)#8 GROUND, 1" CONDUIT
- SEE DETAIL ON SHEET EP-680 FOR ELECTRICAL RACK ELEVATION.
- LABEL EACH COVER PLATE WITH PANEL AND CIRCUIT NUMBER PER SPECIFICATION.
- PROVIDE RED COVER PLATE FOR BRANCH CIRCUITS FEED FROM PANEL TC.

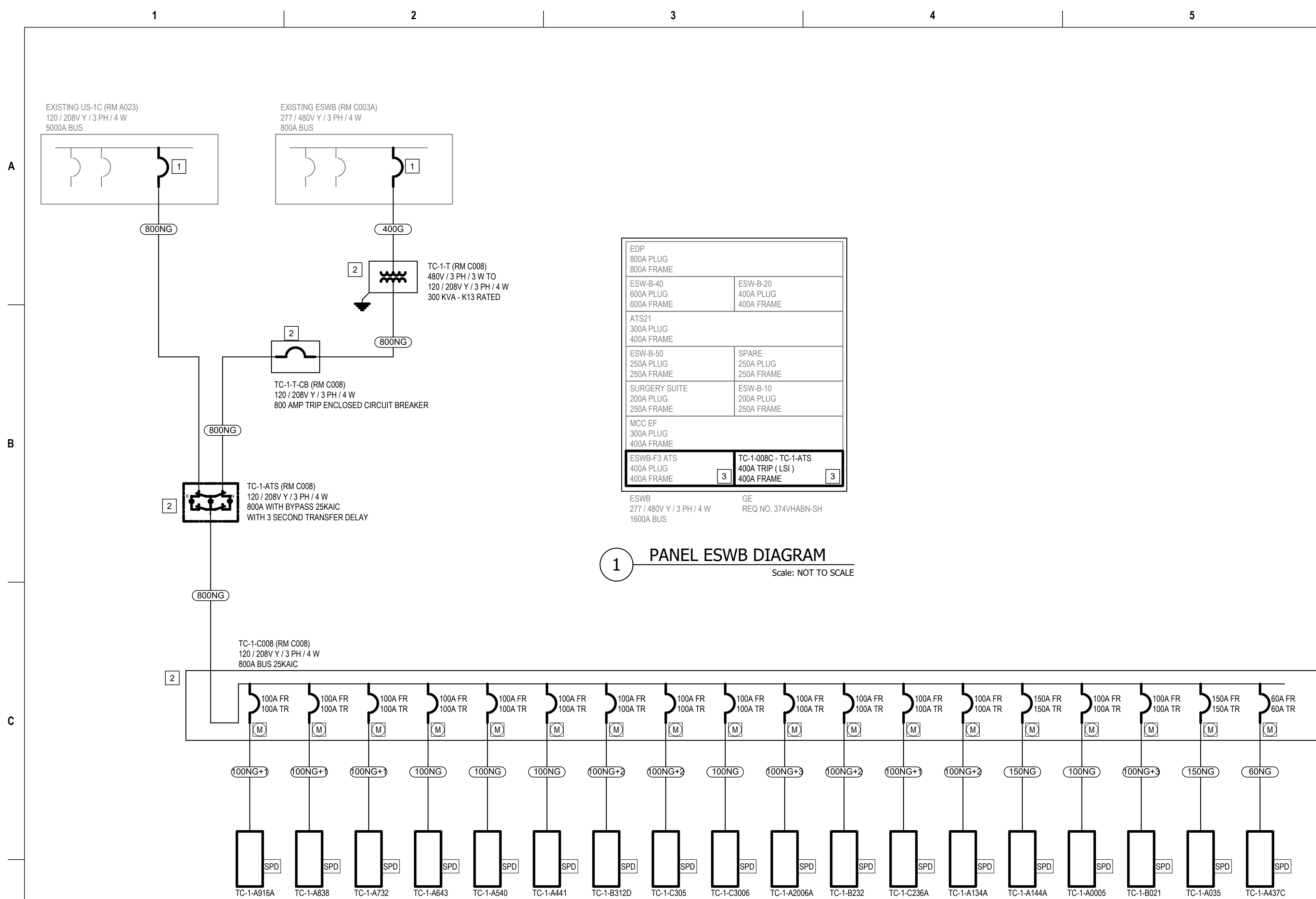
KEYED NOTES

- PROVIDE RECEPTACLE OR J-BOX ABOVE THE RACK WITH MAIN PDU. COORDINATE LOCATION WITH RACK.
- PROVIDE NEMA 3R DISCONNECT NEXT TO THE CONDENSING UNIT (CU). COORDINATE THE LOCATION OF THE CU DISCONNECT WITH MECHANICAL. CONDUIT SHALL BE ROUTED WITH THE CU PIPES.
- PROVIDE DISCONNECT SWITCH FOR AIR CONDITIONING UNIT (ACU). CONTRACTOR TO PROVIDE (2)#12, (1)#12G IN 3/4 INCH CONDUIT FROM CU LOCATED ON THE ROOF. COORDINATE FINAL LOCATION WITH MECHANICAL.
- PROVIDE EMERGENCY POWER OFF (EPO) BUTTON TO TURN OFF POWER TO THE ELECTRICAL EQUIPMENT IN THE ROOM. SEE DIAGRAM ON SHEET EP-680 FOR ADDITIONAL INFORMATION.
- PROVIDE REMOTE SPD PER NEW PANEL. SPD SHALL BE MOUNTED AS CLOSE TO PANEL AS POSSIBLE.
- PROVIDE METER NEXT TO EACH PANEL.
- NOT USED.
- CONTRACTOR TO PROVIDE 120V CIRCUIT, (2)#12,(1)#12G, IN 3/4"C, FROM ELECTRICAL PANEL TO DOOR MAG LOCK CONTROLLER ABOVE DOOR. PROVIDE 120V CIRCUIT TO ACCESS CONTROL PANEL WITH IN ROOM FROM SAME CIRCUIT OF DOOR MAG LOCK. COORDINATE THE FINAL LOCATIONS OF THE ACCESS CONTROL PANEL.

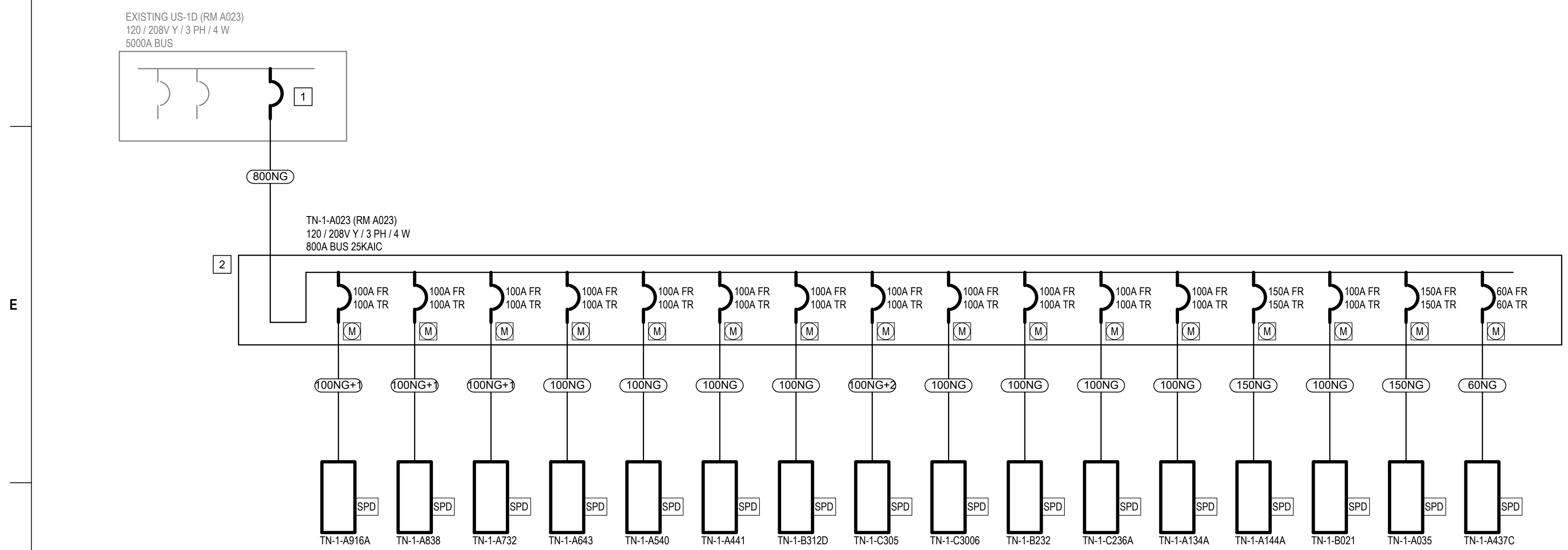
1 TELECOM 105A - NEW

Scale: 1/4" = 1'

Revisions:		Date:	CONSULTANT		PROJECT MANAGEMENT				Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
			 6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766		 C O M P A N Y 8718 Botts Lane Phone: (210) 816-4784 San Antonio, Texas 78217 Fax: (210) 881-6808 www.hfscorporate.com jbianco@hfscorporate.com		 U.S. Department of Veterans Affairs		ENLARGED FLOOR PLANS - FIRST FLOOR		100% CONSTRUCTION DOCUMENTS		CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES		539-21-701			
									Approved: Project Director		FULLY SPRINKLERED		Location 3200 VINE ST., CINCINNATI, OH		Building Number FT TE			
													Issue Date 04-MAY-2022		Drawing Number EP-490-C.TE.1			
													Checked BKM		CB			
													Drawn CB					



4 TELECOM CRITICAL POWER ONE-LINE



5 TELECOM NORMAL POWER ONE-LINE

FEEDER SCHEDULE									
XXXX	NUMBER OF SETS	CURRENT CARRYING CONDUCTORS PER SET		NEUTRAL CONDUCTORS PER SET		GROUND CONDUCTOR PER SET		CONDUIT PER SET	NOTES
		NUMBER	SIZE	NUMBER	SIZE	NUMBER	SIZE		
40NG	1	3	#8	1	#8	1	#10	3/4"	-
40NG+1	1	3	#6	1	#4	1	#8	1"	-
40NG+2	1	3	#4	1	#2	1	#4	1 1/4"	-
60NG1	1	2	#6	1	#6	1	#10	1"	-
60NG	1	3	#6	1	#6	1	#10	1"	-
100NG	1	3	#3	1	#2	1	#8	1 1/4"	-
100NG+1	1	3	#2	1	#1	1	#6	1 1/4"	-
100NG+2	1	3	#1	1	1/0	1	#4	1 1/2"	-
100NG+3	1	3	1/0	1	2/0	1	#4	1 1/2"	-
150NG	1	3	1/0	3	2/0	1	#6	1 1/2"	-
225NG	1	3	4/0	1	4/0	1	#4	2 1/2"	-
E225NG	1	3	4/0	1	4/0	1	#2	2 1/2"	EXISTING
400G	2	3	3/0			1	#3	2"	-
400NG	1	3	500MCM	1	500MCM	1	#3	3"	-
E400NG	1	3	500MCM	1	500MCM	1	#3	-	IN EXISTING 3" CONDUIT
500NG	2	3	4/0	1	4/0	1	#2	3"	-
E500NG	2	3	4/0	1	4/0	1	#2	3"	EXISTING
800NG	2	3	600MCM	1	600MCM	1	1/0	4"	-

TIE BUS CONNECTION	EXISTING CB	EXISTING CB	
TIE BREAKER	EXISTING CB	EXISTING CB	
SPACE	EXISTING CB	EXISTING CB	MAIN CB
TC-1-000C TC-1-A-TS 800A TRIP (LSI) 800A FRAME	EXISTING CB	EXISTING CB	

US-1C
120 / 208V Y / 3 PH / 4 W
2000A BUS SECTION

2 PANEL US-1C DIAGRAM

Scale: NOT TO SCALE

	EXISTING CB	EXISTING CB	TIE BUS CONNECTION
	EXISTING CB	EXISTING CB	TIE BUS CONNECTION
MAIN CB	EXISTING CB	EXISTING CB	SPACE
	EXISTING CB	EXISTING CB	TC-1-008C - TC-1ATS 800A TRIP (LSI) 800A FRAME

US-1D
120 / 208V Y / 3 PH / 4 W
2000A BUS SECTION

3 PANEL US-1D DIAGRAM

Scale: NOT TO SCALE

[illegible]

CONSULTANT

Ross & Baruzzini

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Construction
and Facilities
Management

U.S. Department
of Veterans Affairs

Drawing Title

BUILDING 1 - ELECTRICAL DIAGRAMS

Approved: Project Director

Phase

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title

CINCINNATI VAMC EHRM
INFRASTRUCTURE UPGRADES

Location	3200 VINE ST., CINCINNATI, OH
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Issue Date	04-MAY-2022
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Checked

BKM

Drawn

CB

Project Number

539-21-701

Building Number
C1

Drawing Number

EP-601-C.1

GENERAL NOTES

1. REFER TO TECHNOLOGY DRAWINGS FOR TR GROUNDING REQUIREMENTS.
2. CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER. PROVIDE ALL WIRING AND CONDUIT FOR SPD'S.
3. CONTRACTOR TO PROVIDE METERS PER SPECS FOR ALL PANELS.

KEYED NOTES

- 1 PROVIDE NEW CIRCUIT BREAKER IN EXISTING SWITCHBOARD. CIRCUIT BREAKER SHALL HAVE INDEPENDENTLY ADJUSTABLE LONG TIME, SHORT TIME, AND INSTANTANEOUS RELAYS. MATCH KAIC RATING
- 2 PROVIDE NEW ELECTRICAL EQUIPMENT AND PROVIDE NEW PANELS WITH SPD DOWNSTREAM WITH REQUIRED FEEDERS.
- 3 CONTRACTOR SHALL REMOVE EXISTING SINGLE CIRCUIT BREAKER AND PROVIDE BREAKER MOUNTING HARDWARE TO ALLOW FOR INSTALLATION OF NEW TWIN BREAKER AND NEW CIRCUIT BREAKERS. BREAKER THAT FEEDS "TC-1-008C - TC-1-ATS" SHALL BE IMAX-XIS BREAKER.

METER
DISPLAY

TRAY CONVEYOR
100A PLUG
100A FRAME

PNL 1F1, 1F2
100A PLUG
100A FRAME

PNL 2F1 - RM A2007
225A PLUG
250A FRAME

PNL 2F2 - RM A2019
225A PLUG
250A FRAME

PNL 2F1 - RM A2001
225A PLUG
250A FRAME

PNL 2F1 - RM A2007
225A PLUG
250A FRAME

TN-1-A2005
100A TRIP (LSI)
100A FRAME

TN-1-A2006A
100A TRIP (LSI)
100A FRAME

DPLF3
400A PLUG
400A FRAME

SPACE

SPACE

SPACE

TVSS

MAIN BREAKER
800A PLUG
800A FRAME

DPLF
120 / 208V Y / 3 PH / 4 W
800A BUS

GE
REQ NO. 374NBF09S
JOB NO. 1785B1691S001

EXISTING DPLF
120 / 208V Y / 3 PH / 4 W
800A BUS

1

1

100NG

100NG

2

2

SPD
10J

SPD
10J

TN-1-A2005

TN-1-A2006A

FEEDER SCHEDULE

MARK	NUMBER OF SETS	CURRENT CARRYING CONDUCTORS PER SET		NEUTRAL CONDUCTORS PER SET		GROUND CONDUCTOR PER SET		CONDUIT PER SET	NOTES
		NUMBER	SIZE	NUMBER	SIZE	NUMBER	SIZE		
40NG	1	3	#8	1	#6	1	#10	3/4"	-
40NG+1	1	3	#8	1	#4	1	#8	1"	-
40NG+2	1	3	#4	1	#2	1	#4	1 1/4"	-
60NG1	1	2	#6	1	#6	1	#10	1"	-
60NG	1	3	#6	1	#6	1	#10	1"	-
100NG	1	3	#3	1	#2	1	#8	1 1/4"	-
100NG+1	1	3	#2	1	#1	1	#6	1 1/4"	-
100NG+2	1	3	#1	1	1/0	1	#4	1 1/2"	-
100NG+3	1	3	1/0	1	2/0	1	#4	1 1/2"	-
150NG	1	3	1/0	3	2/0	1	#6	1 1/2"	-
225NG	1	3	4/0	1	4/0	1	#4	2 1/2"	-
E225NG	1	3	4/0	1	4/0	1	#2	2 1/2"	EXISTING
400G	2	3	3/0			1	#3	2"	-
400NG	1	3	500MCM	1	500MCM	1	#3	3"	-
E400NG	1	3	500MCM	1	500MCM	1	#3	-	IN EXISTING 3" CONDUIT
500NG	2	3	4/0	1	4/0	1	#2	3"	-
E500NG	2	3	4/0	1	4/0	1	#2	3"	EXISTING
800NG	2	3	600MCM	1	600MCM	1	1/0	4"	-

1

PANEL DPLF DIAGRAM

Scale: NOT TO SCALE

GENERAL NOTES

1.

REFER TO TECHNOLOGY DRAWINGS FOR TR GROUNDING REQUIREMENTS.

2.

CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER. PROVIDE ALL WIRING AND CONDUIT FOR SPD'S.

3.

CONTRACTOR TO PROVIDE METERS PER SPECS FOR ALL PANELS.

KEYED NOTES

1

PROVIDE NEW CIRCUIT BREAKER IN EXISTING SWITCHBOARD. MATCH TYPE, STYLE, AND KAIC RATING.

2

PROVIDE NEW PANELBOARD, SPD, METER AND FEEDER TO PANELBOARD.

Revisions:

Date:

CONSULTANT

Ross & Baruzzini

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STATE OF MISSOURI
BRUCE K. MOELLEHOFF
REGISTERED PROFESSIONAL ENGINEER
E-27172
05-04-2022

Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

BUILDING 1 - ELECTRICAL DIAGRAMS

Approved: Project Director

Phase

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title

CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES

Location
3200 VINE ST., CINCINNATI, OH

Issue Date
04-MAY-2022

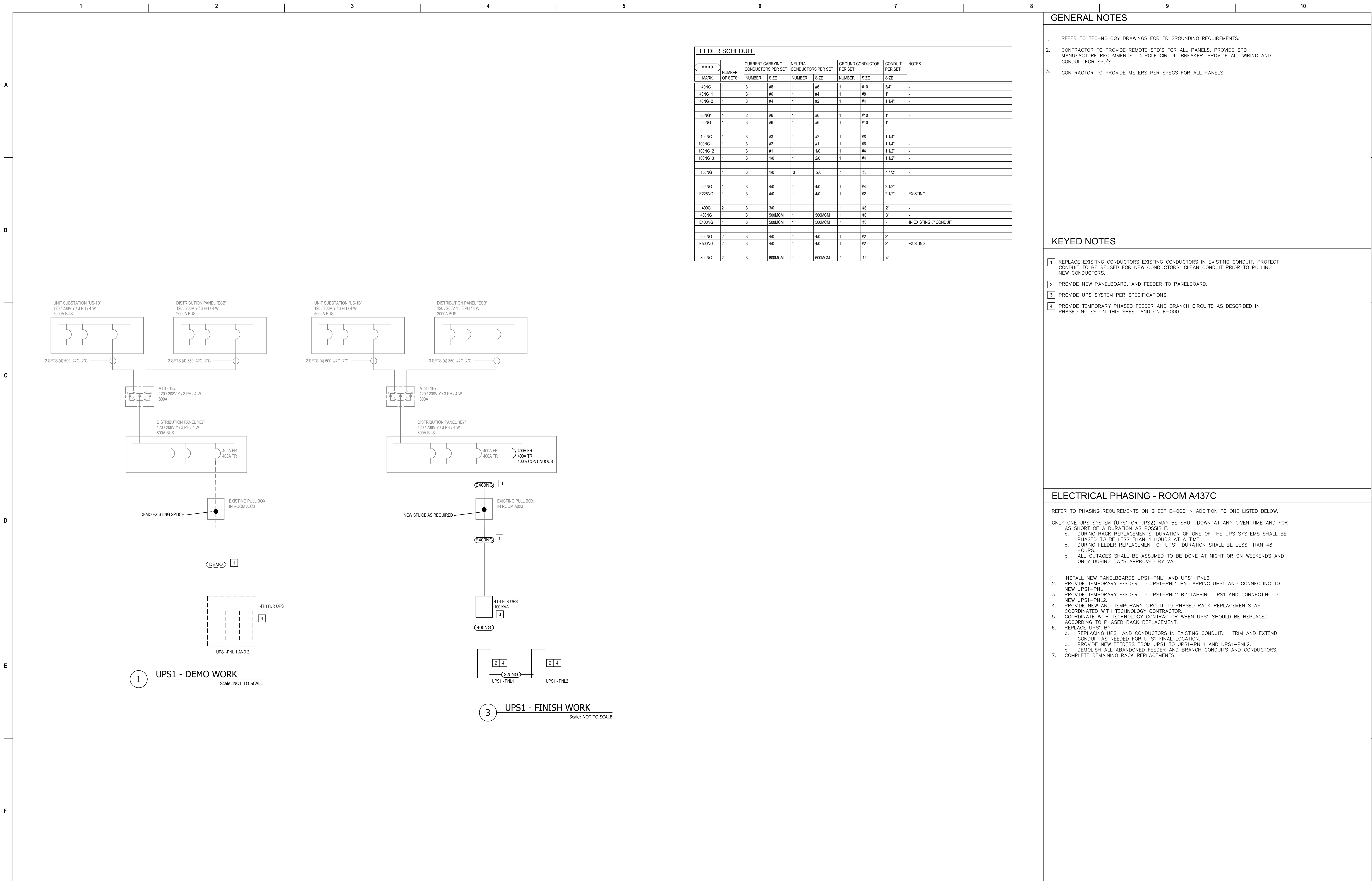
Checked
BKM

Drawn
CB

Project Number
539-21-701

Building Number
C1

Drawing Number
EP-602-C.1



GENERAL NOTES

- REFER TO TECHNOLOGY DRAWINGS FOR TR GROUNDING REQUIREMENTS.
- CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER. PROVIDE ALL WIRING AND CONDUIT FOR SPD'S.
- CONTRACTOR TO PROVIDE METERS PER SPECS FOR ALL PANELS.

KEYED NOTES

- REPLACE EXISTING CONDUCTORS EXISTING CONDUCTORS IN EXISTING CONDUIT. PROTECT CONDUIT TO BE REUSED FOR NEW CONDUCTORS. CLEAN CONDUIT PRIOR TO PULLING NEW CONDUCTORS.
- PROVIDE NEW PANELBOARD, AND FEEDER TO PANELBOARD.
- PROVIDE UPS SYSTEM PER SPECIFICATIONS.
- PROVIDE TEMPORARY PHASED FEEDER AND BRANCH CIRCUITS AS DESCRIBED IN PHASED NOTES ON THIS SHEET AND ON E-000.

ELECTRICAL PHASING - ROOM A437C

REFER TO PHASING REQUIREMENTS ON SHEET E-000 IN ADDITION TO ONE LISTED BELOW.

ONLY ONE UPS SYSTEM (UPS1 OR UPS2) MAY BE SHUT-DOWN AT ANY GIVEN TIME AND FOR AS SHORT OF A DURATION AS POSSIBLE.

- DURING RACK REPLACEMENTS, DURATION OF ONE OF THE UPS SYSTEMS SHALL BE PHASED TO BE LESS THAN 4 HOURS AT A TIME.
- DURING FEEDER REPLACEMENT OF UPS1, DURATION SHALL BE LESS THAN 48 HOURS.
- ALL OUTAGES SHALL BE ASSUMED TO BE DONE AT NIGHT OR ON WEEKENDS AND ONLY DURING DAYS APPROVED BY VA.

- INSTALL NEW PANELBOARDS UPS1-PNL1 AND UPS1-PNL2.
- PROVIDE TEMPORARY FEEDER TO UPS1-PNL1 BY TAPPING UPS1 AND CONNECTING TO NEW UPS1-PNL1.
- PROVIDE TEMPORARY FEEDER TO UPS1-PNL2 BY TAPPING UPS1 AND CONNECTING TO NEW UPS1-PNL2.
- PROVIDE NEW AND TEMPORARY CIRCUIT TO PHASED RACK REPLACEMENTS AS COORDINATED WITH TECHNOLOGY CONTRACTOR.
- COORDINATE WITH TECHNOLOGY CONTRACTOR WHEN UPS1 SHOULD BE REPLACED ACCORDING TO PHASED RACK REPLACEMENT.
- REPLACE UPS1 BY:
 - REPLACING UPS1 AND CONDUCTORS IN EXISTING CONDUIT. TRIM AND EXTEND CONDUIT AS NEEDED FOR UPS1 FINAL LOCATION.
 - PROVIDE NEW FEEDERS FROM UPS1 TO UPS1-PNL1 AND UPS1-PNL2.
 - DEMOLISH ALL ABANDONED FEEDER AND BRANCH CONDUITS AND CONDUCTORS.
- COMPLETE REMAINING RACK REPLACEMENTS.

Branch Panel: TN-1-A916A

Location: TR A916A
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
Volts: 208Y/120V
Phases: 3
Wires: 4
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	0		1	20 A	SPARE	2	
3					3333	0		1	20 A	SPARE	4
5						3333	0	1	20 A	SPARE	6
7	SPARE	20 A	1	0	0		1	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	1	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0		1	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	1	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0		1	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	1	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	1	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	1	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0		1	20 A	SPARE	32	
33	REC	20 A	1		360	0		1	20 A	SPARE	34
35	REC	20 A	1			360	0	1	20 A	SPARE	36
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42
Total Load:				3333	3693	3693					
Total Amps:				27.8 A	30.8 A	30.8 A					
Panel Totals										Panel Totals	
Total Conn. Load: 10719 VA										Total Conn.: 29.8 A	

Branch Panel: TN-1-A643

Location: TR A643
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
Volts: 208Y/120V
Phases: 3
Wires: 4
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	0		0	20 A	SPARE	2	
3					3333	0		0	20 A	SPARE	4
5						3333	0	0	20 A	SPARE	6
7	SPARE	20 A	1	0	0		0	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	0	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	0	20 A	SPARE	12
13	SPARE	20 A	1	0	0		0	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	0	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	0	20 A	SPARE	18
19	SPARE	20 A	1	0	0		0	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	0	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	0	20 A	SPARE	24
25	SPARE	20 A	1	0	0		0	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	0	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	0	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0		0	20 A	SPARE	32	
33	REC	20 A	1		360	0	0	20 A	SPARE	34	
35	REC	20 A	1			360	0	0	20 A	SPARE	36
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42
Total Load:				5000	5360	5360					
Total Amps:				41.7 A	44.7 A	44.7 A					
Panel Totals										Panel Totals	
Total Conn. Load: 15720 VA										Total Conn.: 43.7 A	

Branch Panel: TN-1-A441

Location: TR A441
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
Volts: 208Y/120V
Phases: 3
Wires: 4
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	0		0	20 A	SPARE	2	
3					3333	0		0	20 A	SPARE	4
5						3333	0	0	20 A	SPARE	6
7	SPARE	20 A	1	0	0		0	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	0	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	0	20 A	SPARE	12
13	SPARE	20 A	1	0	0		0	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	0	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	0	20 A	SPARE	18
19	SPARE	20 A	1	0	0		0	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	0	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	0	20 A	SPARE	24
25	SPARE	20 A	1	0	0		0	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	0	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	0	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0		0	20 A	SPARE	32	
33	REC	20 A	1		360	0	0	20 A	SPARE	34	
35	REC	20 A	1			360	0	0	20 A	SPARE	36
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42
Total Load:				5000	5360	5360					
Total Amps:				41.7 A	44.7 A	44.7 A					
Panel Totals										Panel Totals	
Total Conn. Load: 15720 VA										Total Conn.: 43.7 A	

Branch Panel: TC-1-A916A

Location: TR A916A
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
Volts: 208Y/120V
Phases: 3
Wires: 4
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	2642		2	40 A	HVAC - CU / AC	2	
3					3333	2642		1	20 A	SPARE	4
5						3333	0	1	20 A	SPARE	6
7	SPARE	20 A	1	0	0		1	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	1	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0		1	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	1	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0		1	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	1	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26	
27	SPARE	20 A	1		0	100	1	20 A	LIGHTS	28	
29	SPARE	20 A	1			0	0	1	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0		1	20 A	MAG LOCK CONTROLLER	32	
33	REC	20 A	1		360	0	1	20 A	SPARE	34	
35	REC	20 A	1			360	0	1	20 A	SPARE	36
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42
Total Load:				5975	6435	3693					
Total Amps:				49.8 A	53.6 A	30.8 A					
Panel Totals										Panel Totals	
Total Conn. Load: 16103 VA										Total Conn.: 44.7 A	

Branch Panel: TC-1-A643

Location: TR A643
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
Volts: 208Y/120V
Phases: 3
Wires: 4
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Branch Panel: TC-1-A441

Location: TR A441
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
Volts: 208Y/120V
Phases: 3
Wires: 4
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Branch Panel: TN-1-B312D

Location: TR B312D
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
1	2 RACK	30 A	3	3333	0		0	20 A	SPARE	2		
3					3333	0		0	20 A	SPARE	4	
5						3333	0		0	20 A	SPARE	6
7	SPARE	20 A	1	0	0		0	20 A	SPARE	8		
9	SPARE	20 A	1		0	0	0	20 A	SPARE	10		
11	SPARE	20 A	1				0	20 A	SPARE	12		
13	SPARE	20 A	1	0	0		0	0	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	0	20 A	SPARE	16		
17	SPARE	20 A	1			0	0	0	20 A	SPARE	18	
19	SPARE	20 A	1	0	0			0	20 A	SPARE	20	
21	SPARE	20 A	1		0	0		0	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	0	20 A	SPARE	24	
25	SPARE	20 A	1	0	0			0	20 A	SPARE	26	
27	SPARE	20 A	1		0	0		0	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	0	EPO BUTTON	30		
31	SPARE	20 A	1	0	0			0	20 A	SPARE	32	
33	REC	20 A	1		360	0			20 A	SPARE	34	
35	REC	20 A	1			360	0		20 A	SPARE	36	
37	SPD	20 A	3	0	0			1	20 A	SPARE	38	
39					0	0		1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42	
Total Load:				5000	5360	5360						
Total Amps:				41.7 A	44.7 A	44.7 A						
Panel Totals										Panel Totals		
Total Conn. Load: 15720 VA										Total Conn.: 43.7 A		

Branch Panel: TN-1-C305

Location: TR C305
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
1	3 RACK	60 A	3	5000	0		0	20 A	SPARE	2		
3					5000	0		0	20 A	SPARE	4	
5						5000	0		0	20 A	SPARE	6
7	SPARE	20 A	1	0	0		0	20 A	SPARE	8		
9	SPARE	20 A	1		0	0		0	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	0	20 A	SPARE	12	
13	SPARE	20 A	1	0	0			0	20 A	SPARE	14	
15	SPARE	20 A	1		0	0		0	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	0	20 A	SPARE	18	
19	SPARE	20 A	1	0	0			0	20 A	SPARE	20	
21	SPARE	20 A	1		0	0		0	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	0	20 A	SPARE	24	
25	SPARE	20 A	1	0	0			0	20 A	SPARE	26	
27	SPARE	20 A	1		0	0		0	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	0	EPO BUTTON	30		
31	SPARE	20 A	1	0	0			0	20 A	SPARE	32	
33	REC	20 A	1		360	0		0	20 A	SPARE	34	
35	REC	20 A	1			360	0	0	20 A	SPARE	36	
37	SPD	20 A	3	0	0			1	20 A	SPARE	38	
39					0	0		1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42	
Total Load:				5000	5360	5360						
Total Amps:				41.7 A	44.7 A	44.7 A						
Panel Totals										Panel Totals		
Total Conn. Load: 15720 VA										Total Conn.: 43.7 A		

Branch Panel: TN-1-C3006

Location: TR C3006
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	1 RACK	20 A	3	1667	0		1	20 A	SPARE	2	
3					1667	0	1	20 A	SPARE	4	
5						1667	0	1	20 A	SPARE	6
7	1 RACK	20 A	3	1666	0		1	20 A	SPARE	8	
9					1666	0	1	20 A	SPARE	10	
11						1666	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0		1	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	1	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0		1	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	1	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	1	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	1	EPO BUTTON	30	
31	SPARE	20 A	1	0	0		1	20 A	SPARE	32	
33	REC	20 A	1		360	0	1	20 A	SPARE	34	
35	REC	20 A	1			360	0	1	20 A	SPARE	36
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42
Total Load:				3333	3693	3693					
Total Amps:				27.8 A	30.8 A	30.8 A					
Panel Totals										Panel Totals	
Total Conn. Load: 10719 VA										Total Conn.: 29.8 A	

Branch Panel: TC-1-B312D

Location: TR B312D
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	2642		2	40 A	HVAC - CU / AC	2	
3					3333	2642				4	
5						3333	120	1	20 A	SPARE	6
7	SPARE	20 A	1	0	120			1	20 A	SPARE	8
9	SPARE	20 A	1		0	0		1	20 A	SPARE	10
11	SPARE	20 A	1			0	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0			1	20 A	SPARE	14
15	SPARE	20 A	1		0	0		1	20 A	SPARE	16
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0			1	20 A	SPARE	20
21	SPARE	20 A	1		0	0		1	20 A	SPARE	22
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0			1	20 A	SPARE	26
27	SPARE	20 A	1		0	100		1	20 A	LIGHTS	28
29	SPARE	20 A	1			0	0	1	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0			1	20 A	MAG LOCK CONTROLLER	32
33	REC	20 A	1		360	0		1	20 A	SPARE	34
35	REC	20 A	1			360	0	1	20 A	SPARE	36
37	SPD	20 A	1	0	0			1	20 A	SPARE	38
39					0	0		1	20 A	SPARE	40
41						0	0	1	20 A	SPARE	42
Total Load:				7762	8102	5480					
Total Amps:				64.7 A	67.5 A	45.7 A					
Panel Totals										Panel Totals	
Total Conn. Load: 21344 VA										Total Conn.: 59.3 A	

Branch Panel: TC-1-C305

Location: TR C305
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Branch Panel: TC-1-C3006

Location: TR C3006
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Branch Panel: TN-1-A2006A

Location: TR A2006A
Supply From: EXISTING DPLF
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Volts: 208Y/120V
Phases: 3
Wires: 4

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	0		0	20 A	SPARE	2	
3					3333	0	0	20 A	SPARE	4	
5						3333	0	20 A	SPARE	6	
7	SPARE	20 A	1	0	0		0	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	0	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	0	20 A	SPARE	12
13	SPARE	20 A	1	0	0		0	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	0	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	0	20 A	SPARE	18
19	SPARE	20 A	1	0	0		0	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	0	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	0	20 A	SPARE	24
25	SPARE	20 A	1	0	0		0	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	0	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	0	EPO BUTTON	30	
31	SPARE	20 A	1	0	0		0	20 A	SPARE	32	
33	REC	20 A	1		360	0		20 A	SPARE	34	
35	REC	20 A	1			360	0	20 A	SPARE	36	
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	1	20 A	SPARE	42	
Total Load:				5000	5360	5360					
Total Amps:				41.7 A	44.7 A	44.7 A					
Panel Totals					Panel Totals						
Total Conn. Load: 15720 VA					Total Conn.: 43.7 A						

Branch Panel: TN-1-B232

Location: TR B232
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Volts: 208Y/120V
Phases: 3
Wires: 4

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	0		0	20 A	SPARE	2	
3					3333	0	0	20 A	SPARE	4	
5						3333	0	20 A	SPARE	6	
7	SPARE	20 A	1	0	0		0	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	0	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	0	20 A	SPARE	12
13	SPARE	20 A	1	0	0		0	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	0	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	0	20 A	SPARE	18
19	SPARE	20 A	1	0	0		0	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	0	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	0	20 A	SPARE	24
25	SPARE	20 A	1	0	0		0	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	0	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	0	EPO BUTTON	30	
31	SPARE	20 A	1	0	0		0	20 A	SPARE	32	
33	REC	20 A	1		360	0		20 A	SPARE	34	
35	REC	20 A	1			360	0	20 A	SPARE	36	
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	1	20 A	SPARE	42	
Total Load:				5000	5360	5360					
Total Amps:				41.7 A	44.7 A	44.7 A					
Panel Totals					Panel Totals						
Total Conn. Load: 15720 VA					Total Conn.: 43.7 A						

Branch Panel: TN-1-C236A

Location: TR C236A
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Volts: 208Y/120V
Phases: 3
Wires: 4

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	0		0	20 A	SPARE	2	
3					3333	0	0	20 A	SPARE	4	
5						3333	0	20 A	SPARE	6	
7	SPARE	20 A	1	0	0		0	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	0	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	0	20 A	SPARE	12
13	SPARE	20 A	1	0	0		0	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	0	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	0	20 A	SPARE	18
19	SPARE	20 A	1	0	0		0	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	0	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	0	20 A	SPARE	24
25	SPARE	20 A	1	0	0		0	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	0	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	0	EPO BUTTON	30	
31	SPARE	20 A	1	0	0		0	20 A	SPARE	32	
33	REC	20 A	1		360	0		20 A	SPARE	34	
35	REC	20 A	1			360	0	20 A	SPARE	36	
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	1	20 A	SPARE	42	
Total Load:				5000	5360	5360					
Total Amps:				41.7 A	44.7 A	44.7 A					
Panel Totals					Panel Totals						
Total Conn. Load: 15720 VA					Total Conn.: 43.7 A						

Branch Panel: TC-1-A2006A

Location: TR A2006A
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Volts: 208Y/120V
Phases: 3
Wires: 4

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	2642		2	40 A	HVAC - CU /AC	2	
3					3333	2642				4	
5						3333	0	1	20 A	SPARE	6
7	SPARE	20 A	1	0	0		1	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	1	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0		1	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	1	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0		1	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	1	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26	
27	SPARE	20 A	1		0	100	1	20 A	LIGHTS	28	
29	SPARE	20 A	1			0	0	1	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0		1	20 A	MAG LOCK CONTROLLER	32	
33	REC	20 A	1		360	0		1	20 A	SPARE	34
35	REC	20 A	1			360	0	1	20 A	SPARE	36
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	1	20 A	SPARE	42	
Total Load:				7762	8102	5480					
Total Amps:				64.7 A	67.5 A	45.7 A					
Panel Totals					Panel Totals						
Total Conn. Load: 21344 VA					Total Conn.: 59.3 A						

Branch Panel: TC-1-B232

Location: TR B232
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Volts: 208Y/120V
Phases: 3
Wires: 4

Branch Panel: TC-1-C236A

Location: TR C236A
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

Volts: 208Y/120V
Phases: 3
Wires: 4

Branch Panel: TN-1-A134A

Location: TR A134A
Supply From: TN-1-A134A
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
1	2 RACK	30 A	3	3333	0		1	20 A	SPARE	2		
3					3333	0		1	20 A	SPARE	4	
5						3333	0		1	20 A	SPARE	6
7	SPARE	20 A	1	0	0		1	20 A	SPARE	8		
9	SPARE	20 A	1		0	0	1	20 A	SPARE	10		
11	SPARE	20 A	1			0	0	1	20 A	SPARE	12	
13	SPARE	20 A	1	0	0		1	20 A	SPARE	14		
15	SPARE	20 A	1		0	0	1	20 A	SPARE	16		
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18	
19	SPARE	20 A	1	0	0		1	20 A	SPARE	20		
21	SPARE	20 A	1		0	0	1	20 A	SPARE	22		
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24	
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26		
27	SPARE	20 A	1		0	0	1	20 A	SPARE	28		
29	SPARE	20 A	1			0	0	1	20 A	EPO BUTTON	30	
31	SPARE	20 A	1	0	0		1	20 A	SPARE	32		
33	REC	20 A	1		360	0		1	20 A	SPARE	34	
35	REC	20 A	1			360	0	1	20 A	SPARE	36	
37	SPD	20 A	3	0	0		1	20 A	SPARE	38		
39					0	0	1	20 A	SPARE	40		
41						0	0	1	20 A	SPARE	42	
Total Load:				3333	3693	3693						
Total Amps:				27.8 A	30.8 A	30.8 A						
Panel Totals										Panel Totals		
Total Conn. Load: 10719 VA										Total Conn.: 29.8 A		

Branch Panel: TN-1-A144A

Location: TR A144A
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 200 A
MCB Rating: 150 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	3 RACK	60 A	3	5000	0		0	20 A	SPARE	2	
3					5000	0	0	20 A	SPARE	4	
5						5000	0	0	20 A	SPARE	6
7	1 RACK	20 A	1	1667	0		0	20 A	SPARE	8	
9					1667	0	0	20 A	SPARE	10	
11						1667	0	0	20 A	SPARE	12
13	SPARE	20 A	1	0	0		0	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	0	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	0	20 A	SPARE	18
19	SPARE	20 A	1	0	0		0	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	0	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	0	20 A	SPARE	24
25	SPARE	20 A	1	0	0		0	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	0	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	0	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0		0	20 A	SPARE	32	
33	REC	20 A	1		360	0	0	20 A	SPARE	34	
35	REC	20 A	1			360	0	0	20 A	SPARE	36
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42
Total Load:				6667	7027	7027					
Total Amps:				58.5 A	58.6 A	58.6 A					
Panel Totals										Panel Totals	
Total Conn. Load: 20721 VA										Total Conn.: 57.6 A	

Branch Panel: TN-1-A0005

Location: TR A0005
Supply From: EXISTING DPLF
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	1 RACK	20 A	3	1667	0		1	20 A	SPARE	2	
3					1667	0	1	20 A	SPARE	4	
5						1667	0	1	20 A	SPARE	6
7	SPARE	20 A	1	0	0		1	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	1	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0		1	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	1	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0		1	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	1	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26	
27	SPARE	20 A	1		0	0	1	20 A	SPARE	28	
29	SPARE	20 A	1			0	0	1	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0		1	20 A	SPARE	32	
33	REC	20 A	1		360	0	1	20 A	SPARE	34	
35	REC	20 A	1			360	0	1	20 A	SPARE	36
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42
Total Load:				3333	3693	3693					
Total Amps:				27.8 A	30.8 A	30.8 A					
Panel Totals										Panel Totals	
Total Conn. Load: 10719 VA										Total Conn.: 29.8 A	

Branch Panel: TC-1-A134A

Location: TR A134A
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	2642		2	40 A	HVAC - CU / AC	2	
3					3333	2642		1	20 A	SPARE	4
5						3333	0	1	20 A	SPARE	6
7	SPARE	20 A	1	0	0		1	20 A	SPARE	8	
9	SPARE	20 A	1		0	0	1	20 A	SPARE	10	
11	SPARE	20 A	1			0	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0		1	20 A	SPARE	14	
15	SPARE	20 A	1		0	0	1	20 A	SPARE	16	
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0		1	20 A	SPARE	20	
21	SPARE	20 A	1		0	0	1	20 A	SPARE	22	
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0		1	20 A	SPARE	26	
27	SPARE	20 A	1		0	100	0	1	20 A	LIGHTS	28
29	SPARE	20 A	1			0	0	1	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0		1	20 A	MAG LOCK CONTROLLER	32	
33	REC	20 A	1		360	0	1	20 A	SPARE	34	
35	REC	20 A	1			360	0	1	20 A	SPARE	36
37	SPD	20 A	3	0	0		1	20 A	SPARE	38	
39					0	0	1	20 A	SPARE	40	
41						0	0	1	20 A	SPARE	42
Total Load:				5975	6435	3693					
Total Amps:				49.8 A	53.6 A	30.8 A					
Panel Totals										Panel Totals	
Total Conn. Load: 16103 VA										Total Conn.: 44.7 A	

Branch Panel: TC-1-A144A

Location: TR A144A
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 200 A
MCB Rating: 150 A

Branch Panel: TC-1-A0005

Location: TR A0005
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

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Branch Panel: TN-1-0005A

Location: - -
Supply From: -
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	1 RACK	20 A	3	1667	0			1	20 A SPARE	2
3		20 A	1					1	20 A SPARE	4
5		20 A	1					1	20 A SPARE	6
7	SPARE	20 A	1	0	0			1	20 A SPARE	8
9	SPARE	20 A	1		0	0		1	20 A SPARE	10
11	SPARE	20 A	1					1	20 A SPARE	12
13	SPARE	20 A	1	0	0		0	0	1	20 A SPARE
15	SPARE	20 A	1		0	0		1	20 A SPARE	16
17	SPARE	20 A	1				0	0	1	20 A SPARE
19	SPARE	20 A	1	0	0			1	20 A SPARE	20
21	SPARE	20 A	1		0	0		1	20 A SPARE	22
23	SPARE	20 A	1			0	0	1	20 A SPARE	24
25	SPARE	20 A	1	0	0			1	20 A SPARE	26
27	SPARE	20 A	1		0	0		1	20 A SPARE	28
29	SPARE	20 A	1			0	0	1	EPO BUTTON	30
31	SPARE	20 A	1	0	0			1	20 A SPARE	32
33	REC	20 A	1		360	0		1	20 A SPARE	34
35	REC	20 A	1			360	0	1	20 A SPARE	36
37	SPD	20 A	3	0	0			1	20 A SPARE	38
39		20 A	1					1	20 A SPARE	40
41		20 A	1			0	0	1	20 A SPARE	42
Total Load (VA):				1667	2027					
Total Amps:				13.9 A	16.9 A	16.9 A				
Panel Totals										Panel Totals
Total Conn. Load: 5720 VA										Total Conn.: 15.9 A

Branch Panel: TN-1-B021

Location: TR B021
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	3 RACK	60 A	3	5000	0			0	20 A SPARE	2
3		20 A	1					0	20 A SPARE	4
5		20 A	1					0	20 A SPARE	6
7	SPARE	20 A	1	0	0			0	20 A SPARE	8
9	SPARE	20 A	1		0	0		0	20 A SPARE	10
11	SPARE	20 A	1			0	0	0	20 A SPARE	12
13	SPARE	20 A	1	0	0			0	20 A SPARE	14
15	SPARE	20 A	1		0	0		0	20 A SPARE	16
17	SPARE	20 A	1			0	0	0	20 A SPARE	18
19	SPARE	20 A	1	0	0			0	20 A SPARE	20
21	SPARE	20 A	1		0	0		0	20 A SPARE	22
23	SPARE	20 A	1			0	0	0	20 A SPARE	24
25	SPARE	20 A	1	0	0			0	20 A SPARE	26
27	SPARE	20 A	1		0	0		0	20 A SPARE	28
29	SPARE	20 A	1			0	0	0	EPO BUTTON	30
31	SPARE	20 A	1	0	0			0	20 A SPARE	32
33	REC	20 A	1		360	0		0	20 A SPARE	34
35	REC	20 A	1			360	0	0	20 A SPARE	36
37	SPD	20 A	3	0	0				20 A SPARE	38
39		20 A	1			0	0		20 A SPARE	40
41		20 A	1				0	0	20 A SPARE	42
Total Load:				5000	5360	5360				
Total Amps:				41.7 A	44.7 A	44.7 A				
Panel Totals										Panel Totals
Total Conn. Load: 15720 VA										Total Conn.: 45.7 A

Branch Panel: TN-A-A035

Location: TR A035
Supply From: TN-1-A023
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 150 A
MCB Rating: 150 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	3 RACK	60 A	3	5000	0			1	20 A SPARE	2
3		20 A	1					1	20 A SPARE	4
5		20 A	1					1	20 A SPARE	6
7	3 RACK	60 A	3	5000	0			1	20 A SPARE	8
9		20 A	1					1	20 A SPARE	10
11		20 A	1					1	20 A SPARE	12
13	SPARE	20 A	1	0	0			1	20 A SPARE	14
15	SPARE	20 A	1		0	0		1	20 A SPARE	16
17	SPARE	20 A	1			0	0	1	20 A SPARE	18
19	SPARE	20 A	1	0	0			1	20 A SPARE	20
21	SPARE	20 A	1		0	0		1	20 A SPARE	22
23	SPARE	20 A	1			0	0	1	20 A SPARE	24
25	SPARE	20 A	1	0	0			1	20 A SPARE	26
27	SPARE	20 A	1		0	0		1	20 A SPARE	28
29	SPARE	20 A	1			0	0	1	20 A SPARE	30
31	SPARE	20 A	1	0	0			1	20 A SPARE	32
33	SPARE	20 A	1		0	0		1	20 A SPARE	34
35	SPARE	20 A	1			0	0	1	20 A SPARE	36
37	SPD	20 A	3	0	0			1	20 A SPARE	38
39		20 A	1			0	0	1	20 A SPARE	40
41		20 A	1				0	0	20 A SPARE	42
Total Load:				10000	10000	10000				
Total Amps:				83 A	83 A	83 A				
Panel Totals										Panel Totals
Total Conn. Load: 30000										Total Conn.: 83.3 A

Branch Panel: TC-1-0005A

Location: - -
Supply From: -
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	1 RACK	20 A	3	1667	1352			2	20 A HVAC - CU / AC	2
3		20 A	1					1	20 A SPARE	4
5		20 A	1					1	20 A SPARE	6
7	SPARE	20 A	1	0	0			1	20 A SPARE	8
9	SPARE	20 A	1		0	0		1	20 A SPARE	10
11	SPARE	20 A	1			0	0	1	20 A SPARE	12
13	SPARE	20 A	1	0	0			1	20 A SPARE	14
15	SPARE	20 A	1		0	0		1	20 A SPARE	16
17	SPARE	20 A	1			0	0	1	20 A SPARE	18
19	SPARE	20 A	1	0	0			1	20 A SPARE	20
21	SPARE	20 A	1		0	0		1	20 A SPARE	22
23	SPARE	20 A	1			0	0	1	20 A SPARE	24
25	SPARE	20 A	1	0	0			1	20 A SPARE	26
27	SPARE	20 A	1		0	100		1	20 A LIGHTS	28
29	SPARE	20 A	1			0	0	1	EPO BUTTON	30
31	SPARE	20 A	1	0	0			1	20 A MAG LOCK CONTROLLER	32
33	REC	20 A	1		360	0		1	20 A SPARE	34
35	REC	20 A	1			360	0	1	20 A SPARE	36
37	SPD	20 A	1	0	0			1	20 A SPARE	38
39		20 A	1			0	0	1	20 A SPARE	40
41		20 A	1				0	0	20 A SPARE	42
Total Load:				3019	3479	2027				
Total Amps:				25.2 A	29.0 A	16.9 A				
Panel Totals										Panel Totals
Total Conn. Load: 8525 VA										Total Conn.: 23.7 A

Branch Panel: TC-1-B021

Location: TR B021
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	3 RACK	60 A	3	5000	2642			2	40 A HVAC - CU	2
3		20 A	1					1	20 A SPARE	4
5		20 A	1					2	15 A SPARE	6
7	SPARE	20 A	1	0	120			1	20 A SPARE	8
9	SPARE	20 A	1		0	0		1	20 A SPARE	10
11	SPARE	20 A	1			0	0	1	20 A SPARE	12
13	SPARE	20 A	1	0	0			1	20 A SPARE	14
15	SPARE	20 A	1		0	0		1	20 A SPARE	16
17	SPARE	20 A	1			0	0	1	20 A SPARE	18
19	SPARE	20 A	1	0	0			1	20 A SPARE	20
21	SPARE	20 A	1		0	0		1	20 A SPARE	22
23	SPARE	20 A	1			0	0	1	20 A SPARE	24
25	SPARE	20 A	1	0	0			1	20 A SPARE	26
27	SPARE	20 A	1		0	100		1	20 A LIGHTS	28
29	SPARE	20 A	1			0	0	1	EPO BUTTON	30
31	SPARE	20 A	1	0	0			1	20 A MAG LOCK CONTROLLER	32
33	REC	20 A	1		360	0		1	20 A SPARE	34
35	REC	20 A	1			360	0	1	20 A SPARE	36
37	SPD	20 A	1	0	0			1	20 A SPARE	38
39		20 A	3	0	0			1	20 A SPARE	40
41		20 A	1			0	0	1	20 A SPARE	42
Total Load:				7762	8102	5480				
Total Amps:				64.7 A	67.5 A	45.7 A				
Panel Totals										Panel Totals
Total Conn. Load: 21344 VA										Total Conn.: 59.3 A

Branch Panel: TC-1-A035

Location: TR A035
Supply From: TC-1-C008
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

METER - MAIN BUS
A.I.C. Rating: 10KAIC
Mains Type: SHUNT TRIP
Mains Rating: 150 A
MCB Rating: 150 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	3 RACK	60 A	3	5000	0			1	20 A SPARE	2
3		20 A	1					1	20 A SPARE	4
5		20 A	1					1	20 A SPARE	6
7	3 RACK	60 A	3	5000	0			1	20 A SPARE	8
9		20 A	1					1	20 A SPARE	10
11		20 A	1					1	20 A SPARE	12
13	SPARE	20 A	1	0	0			1	20 A SPARE	14
15	SPARE	20 A	1		0	0		1	20 A SPARE	16
17	SPARE	20 A	1			0	0	1	20 A SPARE	18
19	SPARE	20 A	1	0	0			1	20 A SPARE	20
21	SPARE	20 A	1		0	0		1	20 A SPARE	22
23	SPARE	20 A	1			0	0	1	20 A SPARE	24
25	SPARE	20 A	1	0	0			1	20 A SPARE	26
27	SPARE	20 A	1		0	10				

[illegible]



GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL NEW BREAKERS AS SHOWN.
- CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER.
- CONTRACTOR TO PROVIDE REMOTE METERS PER SPECS FOR ALL PANELS. REMOTE METER TO METER MAIN BUS.

A. CONTRACTOR TO REMOVE EXISTING BREAKERS IN USP PANELS AS REQUIRED TO INSTALL THE INDICATED BREAKER.

KEYED NOTES

- PROVIDE BRANCH CIRCUIT METERING FOR THE EXISTING AND NEW CRAC AND COND UNITS.
- PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANEL
- CONTRACTOR TO REMOVE EXISTING CIRCUIT BREAKERS IN EXISTING PANEL BOARD FOR NEW BREAKERS. CONTRACTOR TO LEAVE EXISTING BREAKER IN PANEL THAT DO NOT NEED TO BE REMOVED. LABEL ALL UNUSED BREAKERS AS SPARE.

UPS1 PANEL 1
UPS1 PANEL 2
TC-1-A437C
TN-1-A437C

UPS2 PANEL 1
UPS2 PANEL 2
4CCU

NEW PANEL										
Branch Panel:UPS1 PANEL 1										
Location: COMPUTER ROOM A437C				Volts: 208Y/120V				A.I.C. Rating: 20KA		
Supply From: -				Phases: 3				Mains Type: MLO		
Mounting: SURFACE				Wires: 4				Mains Rating: 400 A		
Enclosure: NEMA 1								MCB Rating: -		
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RACK 1,2	30 A	3	3332 0 VA	3332 0 VA		1	20 A	SPARE	2
3							1	20 A	SPARE	4
5							1	20 A	SPARE	6
7	RACK 3,4	30 A	3	3332 0 VA		3332 0 VA	1	20 A	SPARE	8
9					3332 0 VA		1	20 A	SPARE	10
11						3332 0 VA	1	20 A	SPARE	12
13	RACK 5,6	30 A	3	3332 0 VA	3332 0 VA					14
15										16
17										18
19	RACK 7,8	30 A	3	3332 0 VA	3332 0 VA					20
21										22
23						3332 0 VA				24
25	RACK 9,10	30 A	3	3332 0 VA						26
27					3332 0 VA					28
29						3332 0 VA				30
31				0 VA 0 VA						32
33					0 VA 0 VA					34
35						0 VA 0 VA				36
37				0 VA 0 VA						38
39					0 VA 0 VA					40
41						0 VA 0 VA				42
	UPS1 PANEL 2	225 A	3	15000	15000	15000				
Total Load:				31,666 VA	31,666 VA	31,666 VA				
Total Amps:				264 A	264 A	264 A				
Panel Totals							Panel Totals			
Total Conn. Load: 95,000 VA							Total Conn.: 264 A			
Total Est. Demand: - VA							Total Est. Demand: - A			

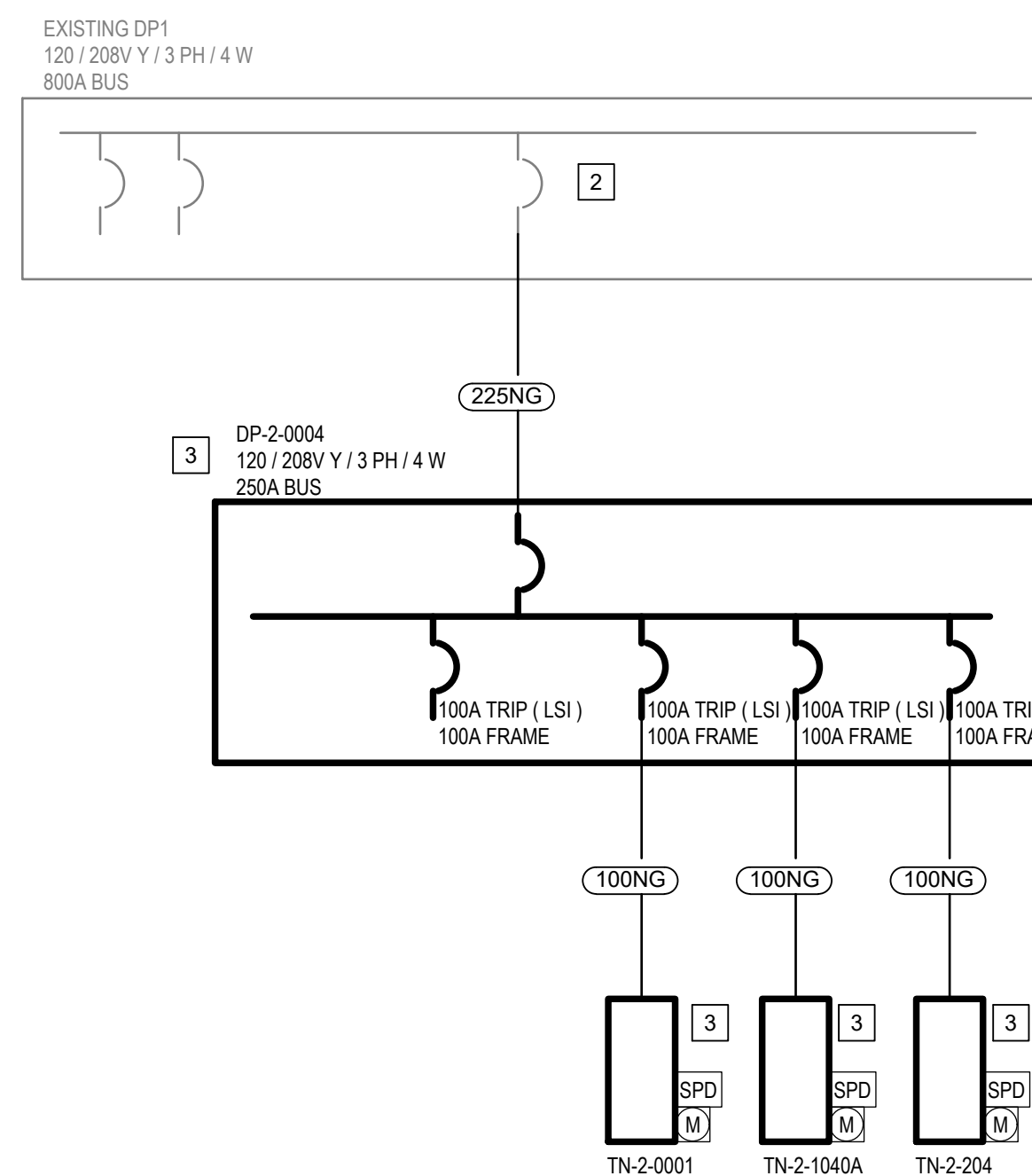
NEW PANEL													
Branch Panel:UPS1 PANEL 2													
Location: COMPUTER ROOM A437C				Volts: 208Y/120V				A.I.C. Rating: 20KA					
Supply From: -				Phases: 3				Mains Type: MLO					
Mounting: SURFACE				Wires: 4				Mains Rating: 225 A					
Enclosure: NEMA 1								MCB Rating: -					
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT			
43	RACK 11,12,13	60 A	3	1666 0 VA			1	20 A	SPARE	42			
45					1666 0 VA		1	20 A	SPARE	44			
47						1666 0 VA	1	20 A	SPARE	46			
49	RACK 14,15	30 A	3	1666 0 VA			1	20 A	SPARE	48			
51					1666 0 VA		1	20 A	SPARE	50			
53						1666 0 VA	1	20 A	SPARE	52			
55	RACK 16,17	30 A	3	1666 0 VA						54			
57					1666 0 VA					56			
59						1666 0 VA				58			
61	RACK 18,19	30 A	3	1666 0 VA						60			
63					1666 0 VA					62			
65						1666 0 VA				64			
67				0 VA 0 VA						66			
69					0 VA 0 VA					68			
71						0 VA 0 VA				70			
73				0 VA 0 VA						72			
75					0 VA 0 VA					74			
77						0 VA 0 VA				76			
79				0 VA 0 VA						78			
81					0 VA 0 VA					82			
83						0 VA 0 VA				84			
Total Load:				15,000 VA	15,000 VA	15,000 VA							
Total Amps:				125 A	125 A	125 A							
Panel Totals							Panel Totals						
Total Conn. Load:45,000 VA							Total Conn.:125 A						
Total Est. Demand:- VA							Total Est. Demand:- A						

NEW PANEL													
Branch Panel: TC-1-A437C													
Location: COMPUTER ROOM A437C				Volts: 208Y/120V				A.I.C. Rating: 20KA					
Supply From: -				Phases: 3				Mains Type: SHUNT TRIP					
Mounting: SURFACE				Wires: 4				Mains Rating: 60 A					
Enclosure: NEMA 1								MCB Rating: 60 A					
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT			
1	A437C LIGHTS	20 A	1	903 360			1	20 A	REC	2			
3	SPARE	20 A	1		0 360			1	20 A	REC	4		
5	SMOKE DAMPER	20 A	1			0 360		1	20 A	REC	6		
7	VESDA	20 A	1	0 0				1	20 A	SPARE	8		
9	CLEAN AGENT	20 A	1		240 0			1	20 A	SPARE	10		
11	DOOR SECURITY	20 A	1			240 0		1	20 A	EPO	12		
Total Load:				1263 VA	600 VA	600 VA							
Total Amps:				10.5 A	5 A	5 A							
Panel Totals							Panel Totals						
Total Conn. Load: 2463 VA							Total Conn.: 6.8 A						
Total Est. Demand: 2688 VA							Total Est. Demand: 7.5 A						

NEW PANEL															
Branch Panel: TN-1-A437C															
Location: COMPUTER ROOM A437C				Volts: 208Y/120V				A.I.C. Rating: 20KA							
Supply From: -				Phases: 3				Mains Type: SHUNT TRIP							
Mounting: SURFACE				Wires: 4				Mains Rating: 60 A							
Enclosure: NEMA 1								MCB Rating: 60 A							
CKT	Circuit Description			Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	SPARE			20 A	1	0	360					1	20 A	REC	2
3	SPARE			20 A	1			0	360			1	20 A	REC	4
5	SPARE			20 A	1					0	360	1	20 A	REC	6
7	SPARE			20 A	1	0	0					1	20 A	SPARE	8
9	SPARE			20 A	1			0	0			1	20 A	SPARE	10
11	SPARE			20 A	1					0	0	1	20 A	EPO	12
Total Load:						360 VA		360 VA		360 VA					
Total Amps:						3 A		3 A		3 A					
Panel Totals														Panel Totals	
Total Conn. Load: 1080 VA														Total Conn.: 3 A	
Total Est. Demand: 1080 VA														Total Est. Demand: 3 A	

EXISTING PANEL													
Branch Panel:UPS2 PANEL 1													
Location: COMPUTER ROOM A437C				Volts: 208Y/120V				A.I.C. Rating: 20KA					
Supply From: -				Phases: 3				Mains Type: MCB					
Mounting: SURFACE				Wires: 4				Mains Rating: 225 A					
Enclosure: NEMA 1								MCB Rating: 225 A					
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT			
3	RACK 1,2	30 A	3	1666 0 VA	1666 0 VA		1	20 A	SPARE	2			
5							1	20 A	SPARE	4			
7	RACK 3,4	30 A	3	1666 0 VA		1666 0 VA	1	20 A	SPARE	6			
9					1666 0 VA		1	20 A	SPARE	8			
11						1666 0 VA	1	20 A	SPARE	10			
13	RACK 5,6	30 A	3	1666 0 VA	1666 0 VA		1	20 A	SPARE	12			
15										14			
17										16			
19	RACK 7,8	30 A	3	1666 0 VA	1666 0 VA					18			
21										20			
23						1666 0 VA				22			
25	RACK 9,10	30 A	3	1666 0 VA						24			
27					1666 0 VA					26			
29						1666 0 VA				28			
31				0 VA	0 VA					30			
33					0 VA	0 VA				32			
35						0 VA	0 VA			34			
37				0 VA	0 VA					36			
39					0 VA	0 VA				38			
41						0 VA	0 VA			40			
										42			
	UPS2 PANEL 2	225 A	3	15000	15000								
						15000							
Total Load:				31,666 VA	31,666 VA	31,666 VA							
Total Amps:				264 A	264 A	264 A							
Panel Totals											Panel Totals		
Total Conn. Load: 95,000 VA											Total Conn.: 264 A		
Total Est. Demand: - VA											Total Est. Demand: - A		

1	2	3	4	5	6	7	8	9	10
								GENERAL NOTES	
								1. REFER TO TECHNOLOGY DRAWINGS FOR TR GROUNDING REQUIREMENTS.	
								2. CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER. PROVIDE ALL WIRING AND CONDUIT FOR SPD'S.	
								3. CONTRACTOR TO PROVIDE METERS PER SPECS FOR ALL PANELS.	
								4. NOTE THAT PLAN DRAWINGS SHOW DIAGRAMMATIC CONDUIT FEEDER ROUTES THAT DO NOT SHOW CONDUIT BENDS, OFFSETS, AND PULL BOXES THAT WILL BE REQUIRED. PULL BOXES SHALL BE ADDED AT THIRD BEND AND APPROX. AT 100 FOOT INTERVALS AS NECESSARY. PROVIDE STRAIN-RELIEF CABLE RISER GRIPS TO SUPPORT CONDUCTORS IN RISER CONDUIT AT NO MORE THAN 100 FOOT INTERVALS, PER NEC TABLE 300.19.	
								5. THIS SCHEDULE IS PROVIDED TO HELP IDENTIFY CONDUIT RUNS. NOT ALL CONDUITS SHOWN IN THE ELECTRICAL DRAWINGS ARE REPRESENTED ON THIS SCHEDULE. REFER TO ELECTRICAL ONE-LINES AND FLOOR PLANS FOR ADDITIONAL CONDUITS.	
								KEYED NOTES	
								</	



FEEDER SCHEDULE										
XXXX		NUMBER OF SETS	CURRENT CARRYING CONDUCTORS PER SET		NEUTRAL CONDUCTORS PER SET		GROUND CONDUCTOR PER SET		CONDUIT PER SET	NOTES
MARK			NUMBER	SIZE	NUMBER	SIZE	NUMBER	SIZE	SIZE	
40NG	1	3	#8	1	#6	1	#10	3/4"	-	
40NG+1	1	3	#6	1	#4	1	#8	1"	-	
40NG+2	1	3	#4	1	#2	1	#4	1 1/4"	-	
60NG1	1	2	#6	1	#6	1	#10	1"	-	
60NG	1	3	#6	1	#6	1	#10	1"	-	
100NG	1	3	#3	1	#2	1	#6	1 1/4"	-	
100NG+1	1	3	#2	1	#1	1	#6	1 1/4"	-	
100NG+2	1	3	#1	1	1/0	1	#4	1 1/2"	-	
100NG+3	1	3	1/0	1	2/0	1	#4	1 1/2"	-	
150NG	1	3	1/0	3	2/0	1	#6	1 1/2"	-	
225NG	1	3	4/0	1	4/0	1	#4	2 1/2"	-	
E225NG	1	3	4/0	1	4/0	1	#2	2 1/2"	EXISTING	
400G	2	3	3/0			1	#3	2"	-	
400NG	1	3	500MCM	1	500MCM	1	#3	3"	-	
E400NG	1	3	500MCM	1	500MCM	1	#3	-	IN EXISTING 3" CONDUIT	
500NG	2	3	4/0	1	4/0	1	#2	3"	-	
E500NG	2	3	4/0	1	4/0	1	#2	3"	EXISTING	
800NG	2	3	600MCM	1	600MCM	1	1/0	4"	-	

- ## GENERAL NOTES

1. REFER TO TECHNOLOGY DRAWINGS FOR TR GROUNDING REQUIREMENTS.
2. CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER. PROVIDE ALL WIRING AND CONDUIT FOR SPD'S.
3. CONTRACTOR TO PROVIDE METERS PER SPECS FOR ALL PANELS.

KEYED NOTES

- 1 PROVIDE NEW CIRCUIT BREAKER IN EXISTING SWITCHBOARD. LSI BREAKER SHALL BE INDEPENDENTLY ADJUSTABLE. MATCH KAIC RATING
- 2 USE EXISTING SPARE FOR NEW PANELBOARD.
- 3 PROVIDE NEW PANELBOARD, SPD, METER, AND FEEDER TO PANELBOARD.

1 PANEL ECDP1 BUILDING 2 DIAGRAM

Scale: NOT TO SCALE

2 PANEL DP1 BUILDING 2 DIAGRAM

Scale: NOT TO SCALE

[illegible]

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Construction
and Facilities
Management

U.S. Department
of Veterans Affairs

	Drawing Title
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BUILDING 2 - ELECTRICAL DIAGRAMS

Approved: Project Director

Phase

100% CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title

CINCINNATI VAMC EHRM
INFRASTRUCTURE UPGRADES

Location	3200 VINE ST., CINCINNATI, OH
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Issue Date	04-MAY-2022
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Checked
BKM

CB

Project Number

539-21-701

Building Number
00

Drawing Number

EP-620-C.2

1	2	3	4	5	6	7	8	9	10
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GENERAL NOTES

1. CONTRACTOR TO PROVIDE ALL NEW BREAKERS AS SHOWN.
2. CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER.
3. CONTRACTOR TO PROVIDE REMOTE METERS PER SPECS FOR ALL PANELS. REMOTE METER TO METER MAIN BUS.

KEYED NOTES

Branch Panel: TN-2-0001

Location: STORAGE 0001

Supply From: DP-2-0004

Mounting: SURFACE

Enclosure: NEMA 1

Volts: 208Y/120V

Phases: 3

Wires: 4

METER - MAIN BUS

A.I.C. Rating: 20KA

Mains Type: MCB

Mains Rating: 100 A

MCB Rating: 100 A SHUNT TRIP

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	2 RACK	30 A	3	3333 0			1	20 A	SPARE	2	
3					3333 0		1	20 A	SPARE	4	
5						3333 0	1	20 A	SPARE	6	
7	SPARE	20 A	1	0 0 0			1	20 A	SPARE	8	
9	SPARE	20 A	1		0 0		1	20 A	SPARE	10	
11	SPARE	20 A	1			0 0	1	20 A	SPARE	12	
13	SPARE	20 A	1	0 0 0			1	20 A	SPARE	14	
15	SPARE	20 A	1		0 0		1	20 A	SPARE	16	
17	SPARE	20 A	1			0 0	1	20 A	SPARE	18	
19	SPARE	20 A	1	0 0 0			1	20 A	SPARE	20	
21	SPARE	20 A	1		0 0		1	20 A	SPARE	22	
23	SPARE	20 A	1			0 0	1	20 A	SPARE	24	
25	SPARE	20 A	1	0 0 0			1	20 A	SPARE	26	
27	SPARE	20 A	1		0 0		1	20 A	SPARE	28	
29	SPARE	20 A	1			0 0	1	20 A	EPO BUTTON	30	
31	SPARE	20 A	1	0 0 0			1	20 A	SPARE	32	
33	REC	20 A	1		360 0		1	20 A	SPARE	34	
35	REC	20 A	1			360 0	1	20 A	SPARE	36	
37	SPD	20 A	3	0 0 0			1	20 A	SPARE	38	
39							1	20 A	SPARE	40	
41						0 0	1	20 A	SPARE	42	
Total Load:				3333	3693	3693					
Total Amps:				27.8 A	30.8 A	30.8 A					
Panel Totals										Panel Totals	
Total Conn. Load: 10719 VA										Total Conn.: 29.8 A	

Branch Panel: TC-2-0001										METER - MAIN BUS	
Location: STORAGE 0001										A.I.C. Rating: 20KA	
Supply From: ECDP1										Main Type: MCB	
Mounting: SURFACE										Mains Rating: 100 A	
Enclosure: NEMA 1										MCB Rating: 100 A SHUNT TRIP	
Volts: 208Y/120V											
Phases: 3											
Wires: 4											
CKT	Circuit Description	Tripp	Poles	A	B	C	Poles	Tripp	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	2642			40 A	HVAC - CU / AC	2	
3					3333	2642				4	
5						3333	0	1	20 A	SPARE	
7	SPARE	20 A	1	0	0			1	20 A	SPARE	
9	SPARE	20 A	1		0	0		1	20 A	SPARE	
11	SPARE	20 A	1				0	1	20 A	SPARE	
13	SPARE	20 A	1	0	0			1	20 A	SPARE	
15	SPARE	20 A	1		0	0		1	20 A	SPARE	
17	SPARE	20 A	1			0	0	1	20 A	SPARE	
19	SPARE	20 A	1	0	0			1	20 A	SPARE	
21	SPARE	20 A	1		0	0		1	20 A	SPARE	
23	SPARE	20 A	1			0	0	1	20 A	SPARE	
25	SPARE	20 A	1	0	0			1	20 A	SPARE	
27	SPARE	20 A	1		0	100		1	20 A	LIGHTS	
29	SPARE	20 A	1				0	0	1	20 A	EPO BUTTON
31	SPARE	20 A	1	0	0			1	20 A	MAG LOCK CONTROLLER	
33	REC	20 A	1		360	0		1	20 A	SPARE	
35	REC	20 A	1			360	0	1	20 A	SPARE	
37	SPD	20 A	3	0	0			1	20 A	SPARE	
39					0	0		1	20 A	SPARE	
41						0	0	1	20 A	SPARE	
Total Load:				5975	6435	3603					
Total Amps:				49.8 A	53.6 A	30.8 A					
Panel Totals										Panel Totals	
Total Conn. Load: 16103 VA										Total Conn.: 44.7 A	

Branch Panel: TN-2-1040A

Location: TELECOM ROOM 1040A

Supply From: DP-2-0004

Mounting: SURFACE

Enclosure: NEMA 1

Volts: 208Y/120V

Phases: 3

Wires: 4

METER - MAIN BUS

A.I.C. Rating: 20KA

Mains Type: MCB

Main Rating: 100 A

MCB Rating: 100 A SHUNT TRIP

CKT	Circuit Description										Circuit Description										CKT			
1	2 RACK										30 A	3	3333	0							1	20 A	SPARE	2
3															3333	0				1	20 A	SPARE	4	
5																	3333	0		1	20 A	SPARE	6	
7	SPARE										20 A	1	0	0						1	20 A	SPARE	8	
9	SPARE										20 A	1			0	0				1	20 A	SPARE	10	
11	SPARE										20 A	1					0	0		1	20 A	SPARE	12	
13	SPARE										20 A	1	0	0					1	20 A	SPARE	14		
15	SPARE										20 A	1			0	0				1	20 A	SPARE	16	
17	SPARE										20 A	1					0	0		1	20 A	SPARE	18	
19	SPARE										20 A	1	0	0					1	20 A	SPARE	20		
21	SPARE										20 A	1			0	0			1	20 A	SPARE	22		
23	SPARE										20 A	1					0	0		1	20 A	SPARE	24	
25	SPARE										20 A	1							1	20 A	SPARE	26		
27	SPARE										20 A	1	0	0					1	20 A	SPARE	28		
29	SPARE										20 A	1			0	0		0	0	1	20 A	EPO BUTTON	30	
31	SPARE										20 A	1	0	0					1	20 A	SPARE	32		
33	REC										20 A	1			360	0			1	20 A	SPARE	34		
35	REC										20 A	1					360	0	1	20 A	SPARE	36		
37	SPD										20 A	3	0	0					1	20 A	SPARE	38		
39															0	0			1	20 A	SPARE	40		
41																	0	0	1	20 A	SPARE	42		
Total Load:											3333		3693				3693							
Total Amps:											27.8 A		30.8 A				30.8 A							
Panel Totals											Panel Totals													
Total Conn. Load: 10719 VA											Total Conn.: 29.8 A													

Branch Panel: TC-2-1040A

METER - MAIN BUS

Location: TELECOM ROOM 1040A

A.I.C. Rating: 20KA

Supply From: ECDP1

Main Type: MCB

Mounting: SURFACE

Mains Rating: 100 A

Enclosure: NEMA 1

MCB Rating: 100 A SHUNT TRIP

Volts: 208Y120V

Phases: 3

Wires: 4

CKT	Circuit Description	Tripp	Poles	A		B		C		Poles	Tripp	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	2642					2	40 A	HVAC - CU / AC	2	
3						3333	2642						4	
5								3333	0	1	20 A	SPARE	6	
7	SPARE	20 A	1	0	0					1	20 A	SPARE	8	
9	SPARE	20 A	1			0	0			1	20 A	SPARE	10	
11	SPARE	20 A	1					0	0	1	20 A	SPARE	12	
13	SPARE	20 A	1	0	0					1	20 A	SPARE	14	
15	SPARE	20 A	1			0	0			1	20 A	SPARE	16	
17	SPARE	20 A	1					0	0	1	20 A	SPARE	18	
19	SPARE	20 A	1	0	0					1	20 A	SPARE	20	
21	SPARE	20 A	1			0	0			1	20 A	SPARE	22	
23	SPARE	20 A	1					0	0	1	20 A	SPARE	24	
25	SPARE	20 A	1	0	0					1	20 A	SPARE	26	
27	SPARE	20 A	1			0	100			1	20 A	LIGHTS	28	
29	SPARE	20 A	1					0	0	1	20 A	EPO BUTTON	30	
31	SPARE	20 A	1	0	0					1	20 A	MAG LOCK CONTROLLER	32	
33	REC	20 A	1			360	0			1	20 A	SPARE	34	
35	REC	20 A	1					360	0	1	20 A	SPARE	36	
37	SPD	20 A	1	0	0					1	20 A	SPARE	38	
39						0	0			1	20 A	SPARE	40	
41								0	0	1	20 A	SPARE	42	
Total Load:				5975		6435		3693						
Total Amps:				49.6 A		53.6 A		30.8 A						

Panel Totals

Total Conn. Load: 16103 VA

Panel Totals

Total Conn.: 44.7 A

Branch Panel: TN-2-204

Location: STORAGE 204

Supply From: DP-2-004

Mounting: SURFACE

Enclosure: NEMA 1

Volts: 208Y/120V

Phases: 3

Wires: 4

METER - MAIN BUS

A.I.C. Rating: 20KA

Mains Type: MCB

Mains Rating: 100 A

MCB Rating: 100 A SHUNT TRIP

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT											
1	2 RACK	30 A	3	3333 0			1	20 A	SPARE	2											
3					3333 0		1	20 A	SPARE	4											
5						3333 0	1	20 A	SPARE	6											
7	SPARE	20 A	1	0 0			1	20 A	SPARE	8											
9	SPARE	20 A	1		0 0		1	20 A	SPARE	10											
11	SPARE	20 A	1			0 0	1	20 A	SPARE	12											
13	SPARE	20 A	1	0 0			1	20 A	SPARE	14											
15	SPARE	20 A	1		0 0		1	20 A	SPARE	16											
17	SPARE	20 A	1			0 0	1	20 A	SPARE	18											
19	SPARE	20 A	1	0 0			1	20 A	SPARE	20											
21	SPARE	20 A	1		0 0		1	20 A	SPARE	22											
23	SPARE	20 A	1			0 0	1	20 A	SPARE	24											
25	SPARE	20 A	1	0 0			1	20 A	SPARE	26											
27	SPARE	20 A	1		0 0		1	20 A	SPARE	28											
29	SPARE	20 A	1			0 0	1	EPO BUTTON		30											
31	SPARE	20 A	1	0 0			1	20 A	SPARE	32											
33	REC	20 A	1		360 0		1	20 A	SPARE	34											
35	REC	20 A	1			360 0	1	20 A	SPARE	36											
37	SPD	20 A	3	0 0			1	20 A	SPARE	38											
39							1	20 A	SPARE	40											
41						0 0	1	20 A	SPARE	42											
Total Load:				3333	3693		3693														
Total Amps:				27.8 A	30.8 A		30.8 A														
Panel Totals											Panel Totals										
Total Conn. Load: 10719 VA											Total Conn.: 29.8 A										

Branch Panel: TC-2-204

Location: STORAGE 204

Supply From: EGDPI

Mounting: SURFACE

Enclosure: NEMA 1

Volts: 208Y/120V

Phases: 3

Wires: 4

A.I.C. Rating: 20KA

Main Type: MCB

Main Rating: 100 A

MCB Rating: 100 A SHUNT TRIP

METER - MAIN BUS

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Circuit Description	CKT	
1	2 RACK	30 A	3	3333	2642					2	40 A	HVAC - CU / AC	2
3						3333	2642						4
5								3333	0	1	20 A	SPARE	6
7	SPARE	20 A	1	0	0					1	20 A	SPARE	8
9	SPARE	20 A	1			0	0			1	20 A	SPARE	10
11	SPARE	20 A	1					0	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0					1	20 A	SPARE	14
15	SPARE	20 A	1			0	0			1	20 A	SPARE	16
17	SPARE	20 A	1					0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0					1	20 A	SPARE	20
21	SPARE	20 A	1			0	0			1	20 A	SPARE	22
23	SPARE	20 A	1					0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0					1	20 A	SPARE	26
27	SPARE	20 A	1			0	100			1	20 A	LIGHTS	28
29	SPARE	20 A	1					0	0	1	20 A	EPO BUTTON	30
31	SPARE	20 A	1	0	0					1	20 A	MAG LOCK CONTROLLER	32
33	REC	20 A	1			360	0			1	20 A	SPARE	34
35	REC	20 A	1					360	0	1	20 A	SPARE	36
37	SPD	20 A	3	0	0					1	20 A	SPARE	38
39						0	0			1	20 A	SPARE	40
41										1	20 A	SPARE	42
Total Load:				5975	6435		3693						
Total Amps:				49.6 A	53.6 A		30.8 A						
Panel Totals												Panel Totals	
Total Conn. Load: 16103 VA												Total Conn.: 44.7 A	

TN-2-0001	TC-2-0001
TN-2-1040A	TC-2-1040A
TN-2-2ND FL	TC-2-2ND FL

[illegible]

CONSULTANT	
	
6 SOUTH OLD ORCHARD WEBSTER GROVES, MO. 63119 T: 314.918.8383 F: 314.918.1766	

The logo for HFS Project Management features the letters 'HFS' in a large, stylized font. The 'H' is red, the 'F' is grey, and the 'S' is black. Below the letters, the words 'PROJECT MANAGEMENT' are written in a smaller, black, sans-serif font. The entire logo is set against a white background with a thin black border.



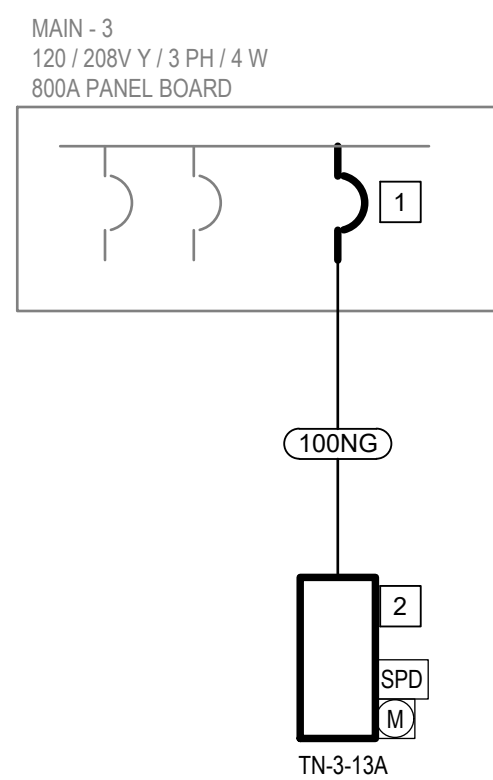
Construction
and Facilities
Management

VA | U.S. Department
of Veterans Affairs

Drawing Title	
BUILDING 2 - ELECTRICAL SCHEDULE	
Approved: Project Director	

Phase	100% CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED

Project Title			Project Number	
CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES			539-21-701	
Location			Building Number	
3200 VINE ST., CINCINNATI, OH			C2	
Drawing Number			EP-621-C.2	
Issue Date	Checked	Drawn		
04-MAY-2022	BKM	CB		



Scale: NOT TO SCALE

GENERAL NOTES

1. REFER TO TECHNOLOGY DRAWINGS FOR TR GROUNDING REQUIREMENTS.
2. CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER. PROVIDE ALL WIRING AND CONDUIT FOR SPD'S.
3. CONTRACTOR TO PROVIDE METERS PER SPECS FOR ALL PANELS.

KEYED NOTES

- 1 REMOVE EXISTING MOTOR STARTER. PROVIDE NEW CIRCUIT BREAKER IN EXISTING SWITCHBOARD. CIRCUIT BREAKER SHALL HAVE INDEPENDENT ADJUSTABLE LONG TIME, SHORT TIME, INSTANTANEOUS RELAYS. MATCH TYPE, STYLE, AND KAIC RATINGS.
- 2 PROVIDE NEW PANELBOARD, SPD, METER, AND FEEDER TO PANELBOARD.

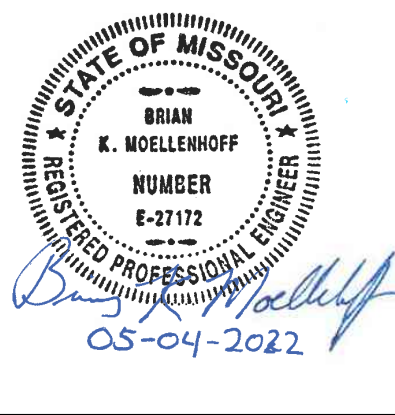
[illegible]

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Construction
and Facilities
Management

U.S. Department
of Veterans Affairs

BUILDING 3 - ELECTRICAL SCHEDULE AND DIAGRAMS

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

CINCINNATI VAMC EHRM
INFRASTRUCTURE UPGRADES

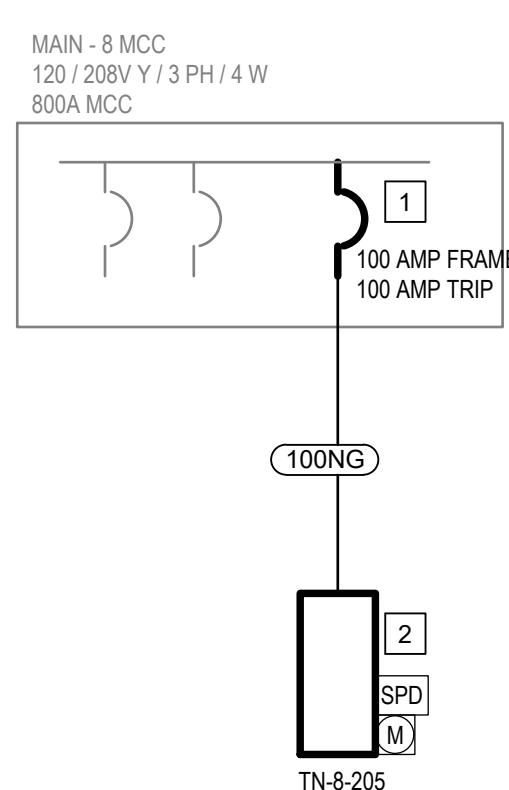
Location	3200 VINE ST., CINCINNATI, OH
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Issue Date	04-MAY-2022
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Checked
BKM

M DES	Project Number	539-21-701
	Building Number	C2

TI, OH	Drawing Number
wn	EP-625



Scale: NOT TO SCALE

GENERAL NOTES

1. REFER TO TECHNOLOGY DRAWINGS FOR TR GROUNDING REQUIREMENTS.
2. CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER. PROVIDE ALL WIRING AND CONDUIT FOR SPD'S.
3. CONTRACTOR TO PROVIDE METERS PER SPECS FOR ALL PANELS.

KEYED NOTES

- 1 REMOVE EXISTING MOTOR STARTER. PROVIDE NEW CIRCUIT BREAKER IN EXISTING MCC MATCH KAIC RATINGS.
- 2 PROVIDE NEW PANELBOARD, SPD, METER, AND FEEDER TO PANELBOARD.

[illegible]

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VA | U.S. Department
of Veterans Affairs

BUILDING 8 - ELECTRICAL SCHEDULE AND DIAGRAMS

Approved: Project Director

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

CINCINNATI VAMC EHRM INFRASTRUCTURE UPGRADES

Location	3200 VINE ST., CINCINNATI, OH
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Issue Date
04-MAY-2022

Checked	
BKM	

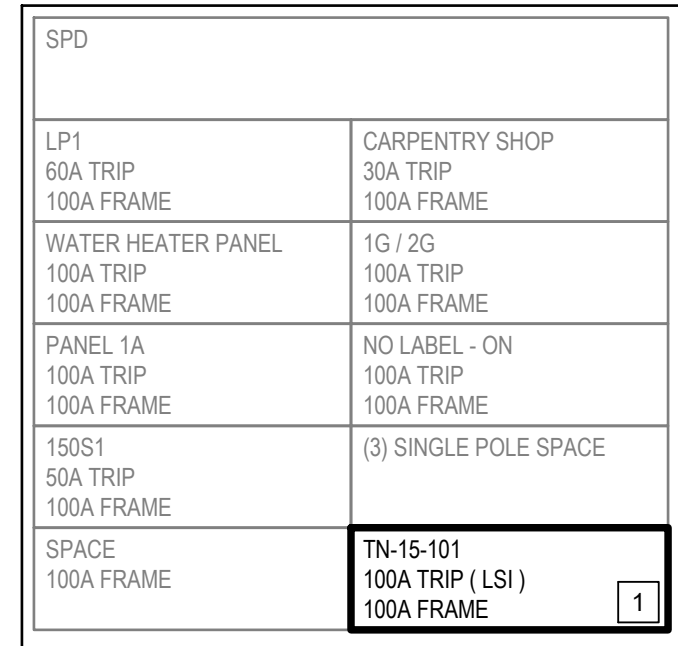
Drawn	
CB	

Project Number	539-21-701
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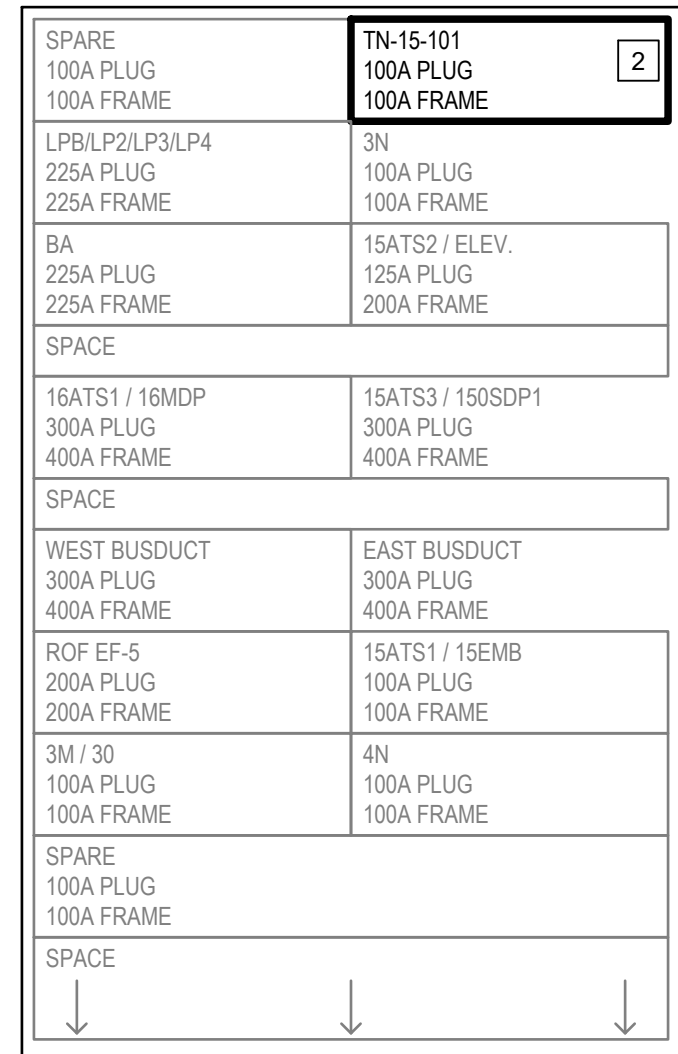
Building Number
C8

	Drawing Number

EP-630-C.8



Scale: NOT TO SCALE



Scale: NOT TO SCALE

FEEDER SCHEDULE									
XXXX		CURRENT CARRYING CONDUCTORS PER SET		NEUTRAL CONDUCTORS PER SET		GROUND CONDUCTOR PER SET		CONDUIT PER SET	NOTES
MARK	NUMBER OF SETS	NUMBER	SIZE	NUMBER	SIZE	NUMBER	SIZE	SIZE	
40NG	1	3	#8	1	#6	1	#10	3/4"	-
40NG+1	1	3	#6	1	#4	1	#8	1"	-
40NG+2	1	3	#4	1	#2	1	#4	1 1/4"	-
60NG1	1	2	#6	1	#6	1	#10	1"	-
60NG	1	3	#6	1	#6	1	#10	1"	-
100NG	1	3	#3	1	#2	1	#8	1 1/4"	-
100NG+1	1	3	#2	1	#1	1	#6	1 1/4"	-
100NG+2	1	3	#1	1	1/0	1	#4	1 1/2"	-
100NG+3	1	3	1/0	1	2/0	1	#4	1 1/2"	-
150NG	1	3	1/0	3	2/0	1	#6	1 1/2"	-
225NG	1	3	4/0	1	4/0	1	#4	2 1/2"	-
E225NG	1	3	4/0	1	4/0	1	#2	2 1/2"	EXISTING
400G	2	3	3/0			1	#3	2"	-
400NG	1	3	500MCM	1	500MCM	1	#3	3"	-
E400NG	1	3	500MCM	1	500MCM	1	#3	-	IN EXISTING 3" CONDUIT
500NG	2	3	4/0	1	4/0	1	#2	3"	-
E500NG	2	3	4/0	1	4/0	1	#2	3"	EXISTING
800NG	2	3	600MCM	1	600MCM	1	1/0	4"	-

GENERAL NOTES

1. REFER TO TECHNOLOGY DRAWINGS FOR TR GROUNDING REQUIREMENTS.
2. CONTRACTOR TO PROVIDE REMOTE SPD'S FOR ALL PANELS. PROVIDE SPD MANUFACTURE RECOMMENDED 3 POLE CIRCUIT BREAKER. PROVIDE ALL WIRING AND CONDUIT FOR SPD'S.
3. CONTRACTOR TO PROVIDE METERS PER SPECS FOR ALL PANELS.

KEYED NOTES

- 1 PROVIDE NEW CIRCUIT BREAKER IN EXISTING SWITCHBOARD. MATCH KAIC RATINGS.
- 2 USE EXISTING CIRCUIT BREAKER IN EXISTING SWITCHBOARD.
- 3 PROVIDE NEW PANELBOARD, SPD, METER, AND FEEDER TO PANELBOARD.

[illegible]

CONSULTANT

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Construction
and Facilities
Management



U.S. Department
of Veterans Affairs

Drawing Title

BUILDING 15 - ELECTRICAL DIAGRAMS

Approved: Project Director

Phase

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title

CINCINNATI VAMC EHRM
INFRASTRUCTURE UPGRADES

Location	3200 VINE ST., CINCINNATI, OH
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Issue Date	04-MAY-2022
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Checked

BKM

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CB

Project Number

539-21-701

Building Number
C15

Drawing Number

EP-640-C.15