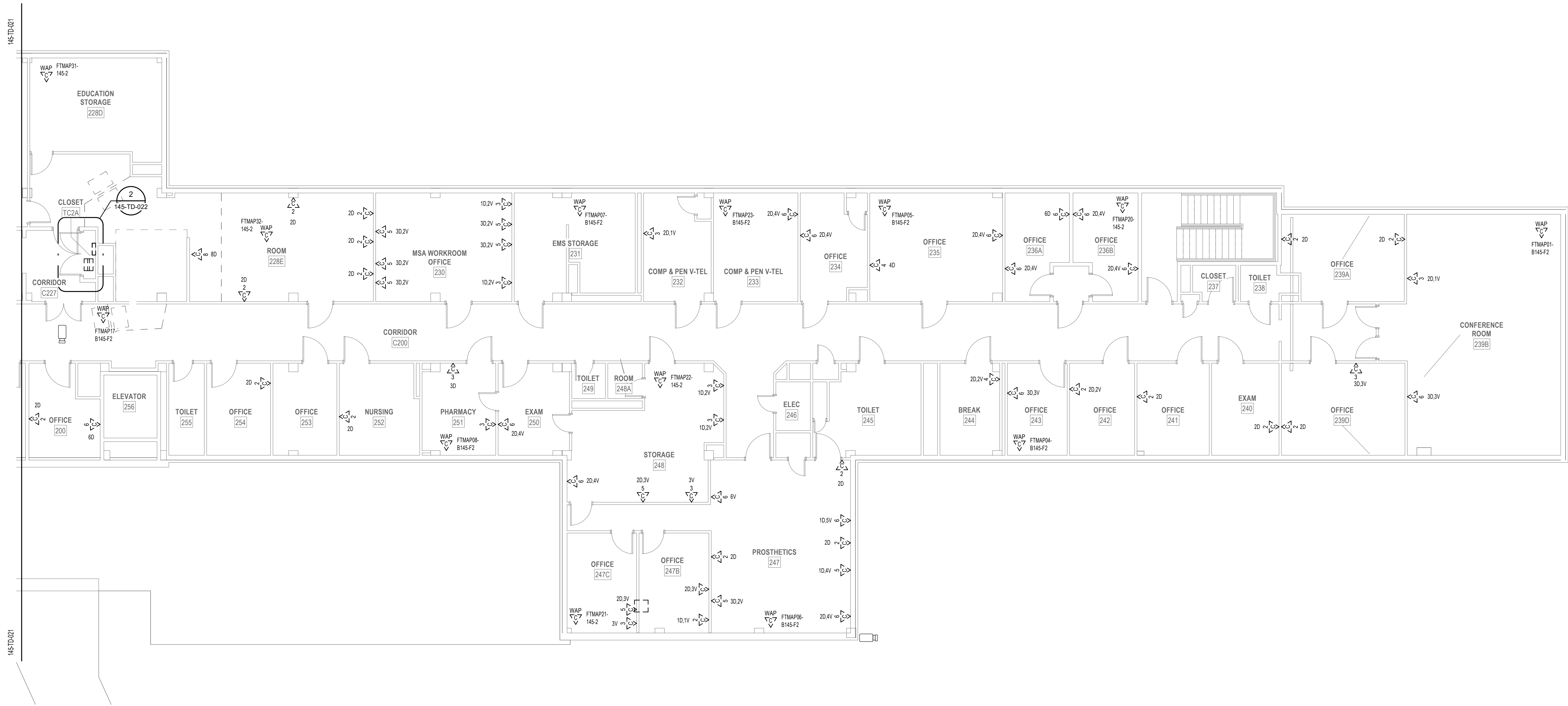
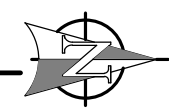


2 ENLARGED DEMOLITION PLAN - TE RM TC2A  
1/4" = 1'-0"



1 TELECOM DEMOLITION PLAN - BLDG 145 SECOND FLOOR - NORTH  
1/8" = 1'-0"



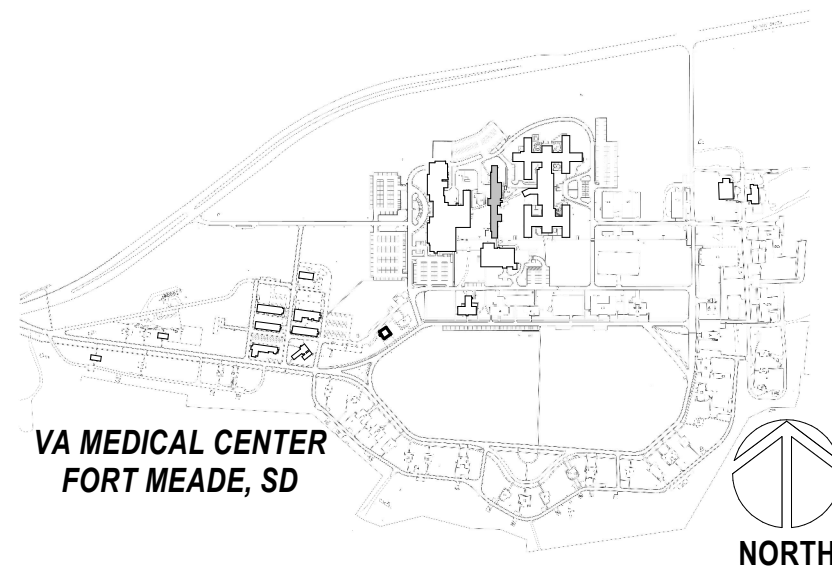
DEMOLITION GENERAL NOTES

- 1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
- 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL.
- 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- 5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "SAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET.
- 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- 8 ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
- 9 DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND AIE TEAM.
- 10 CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

- 1 EXISTING TELECOMMUNICATIONS RACK TO BE REMOVED. REMOVE EXISTING PATCH PANELS AND ANY AUXILIARY EQUIPMENT IN EXISTING TELECOMM RACK. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED.
- 2 EXISTING FIBER "LJ" TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK TO SOURCE.
- 3 EXISTING COMMUNICATIONS PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SOURCE. REMOVAL OF EXISTING PUNCHBLOCKS AND BACKBONE CABLING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.

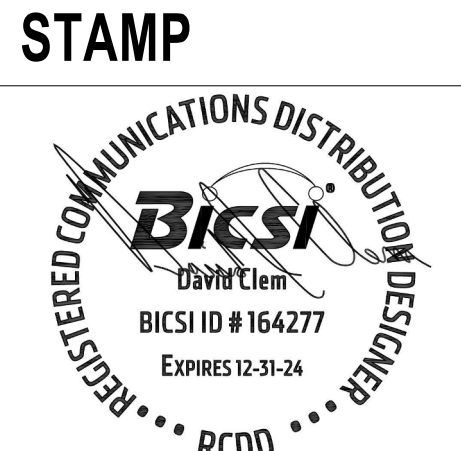
PROJECT KEY PLAN



Revisions:	Date:

**CONSULTANT**  
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4317 6TH AVE SE, SUITE 300  
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**OFFICE OF  
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MANAGEMENT**  
**VA** U.S. Department  
of Veterans Affairs

DRAWING TITLE  
**145-TELECOM DEMOLITION PLAN -  
SECOND FLOOR NORTH**  
APPROVED: Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

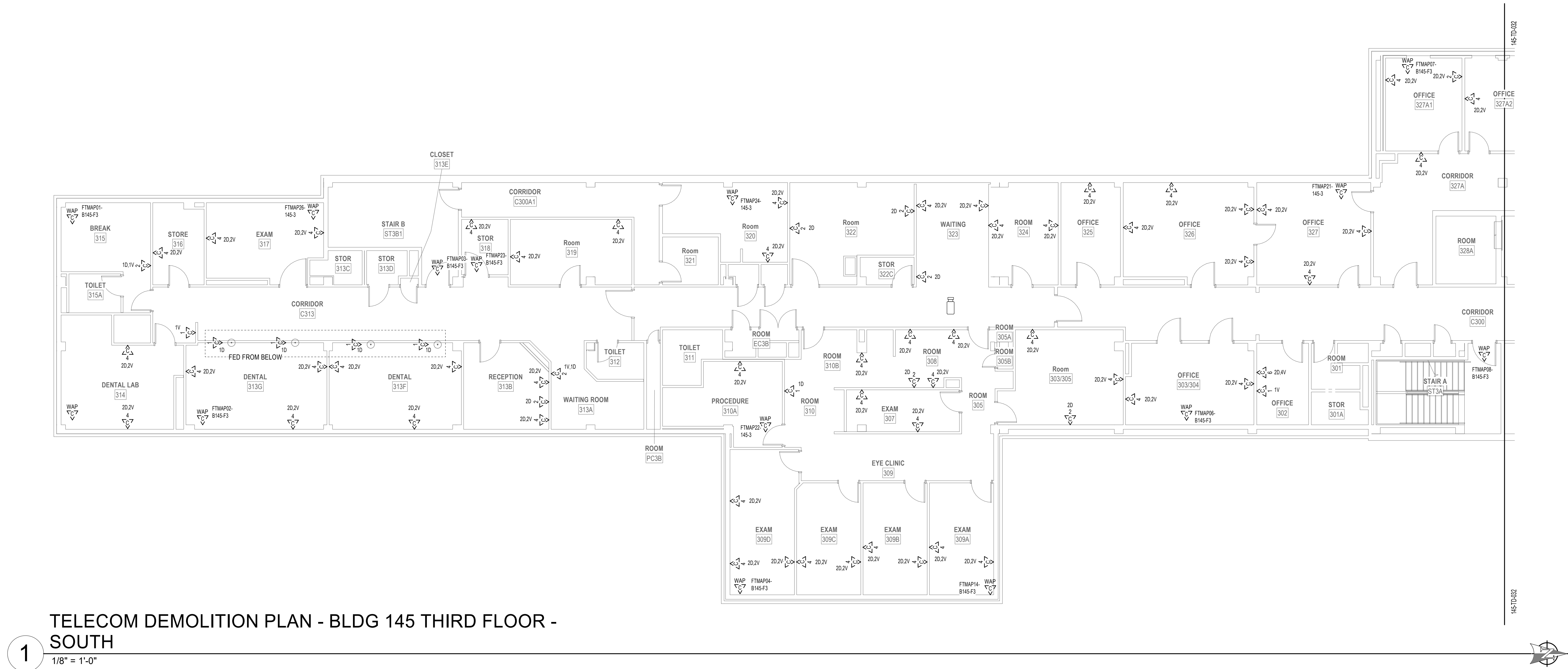
PHASE  
100% CONSTRUCTION  
DOCUMENTS  
FLS  
**FULLY SPRINKLERED**

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES		PROJECT NUMBER 568-21-701
LOCATION FORT MEADE, SOUTH DAKOTA		BUILDING NUMBER 145
ISSUE DATE 11/05/2024	CHECKED BY DJC	DRAWN BY RES
		DRAWING NUMBER <b>145-TD-022</b>

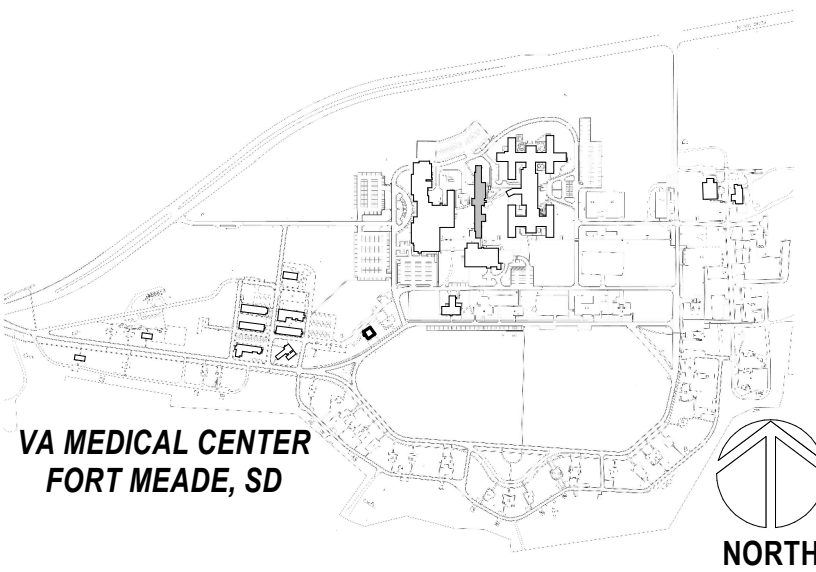
DEMOLITION GENERAL NOTES

- 1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
- 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL.
- 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- 5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLEING TO EACH OUTLET.
- 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- 8 ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLEING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
- 9 DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLEING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
- 10 CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS' JACKS AND RELATED CABLEING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES



PROJECT KEY PLAN



Revisions:	Date:

**CONSULTANT**  
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**STAMP**  
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER  
**BICSI**  
BICSI ID #164277  
EXPIRES 12-31-24  
RCDD

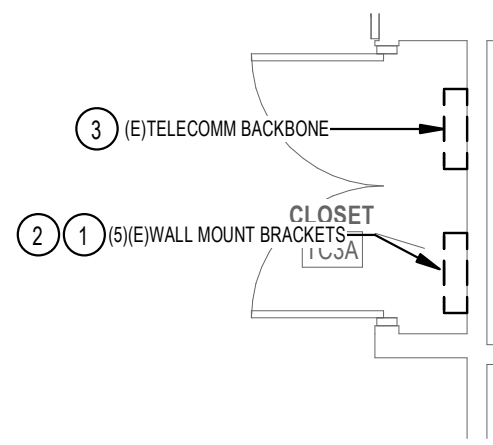
**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**  
**VA** U.S. Department  
of Veterans Affairs

DRAWING TITLE  
**145-TELECOM DEMOLITION PLAN -  
THIRD FLOOR SOUTH**  
APPROVED: Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

PHASE  
100% CONSTRUCTION  
DOCUMENTS  
FLS  
**FULLY SPRINKLERED**

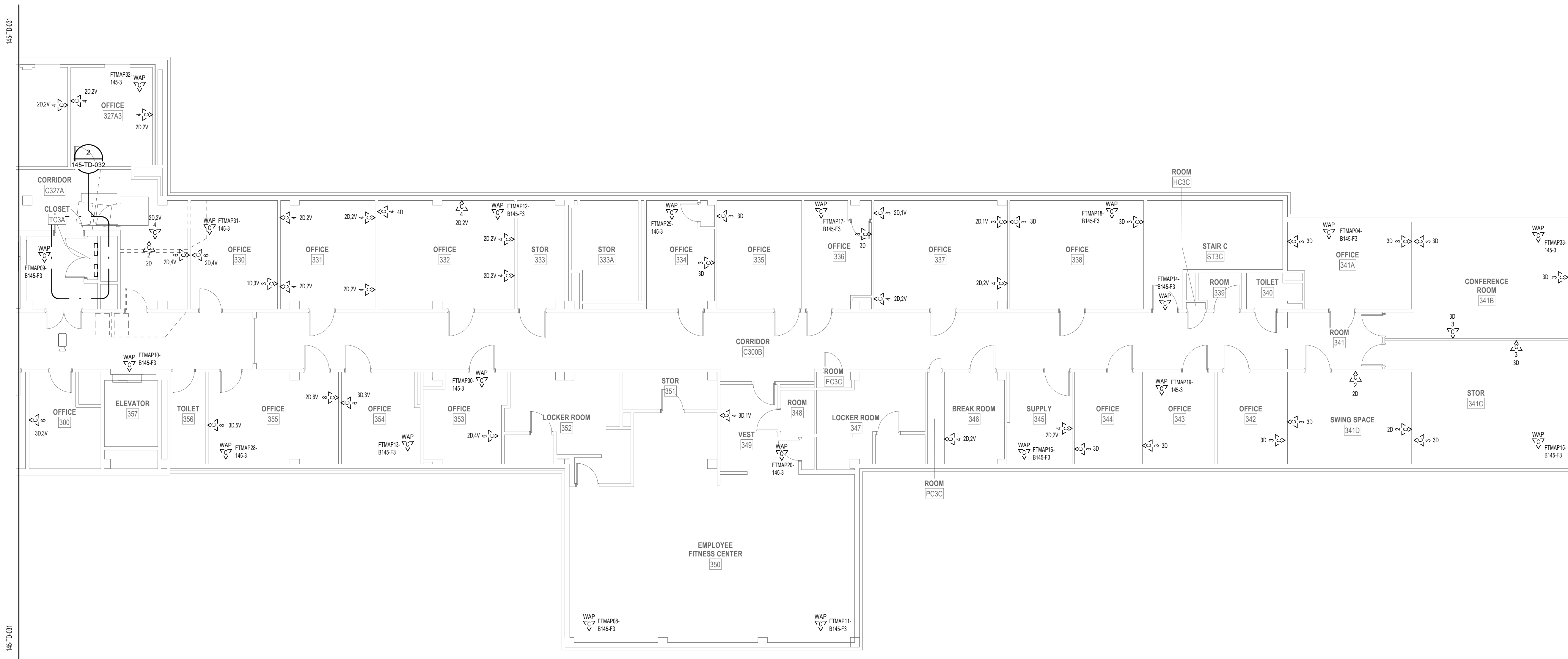
PROJECT TITLE  
EHRM INFRASTRUCTURE  
UPGRADES  
LOCATION  
FORT MEADE, SOUTH DAKOTA  
ISSUE DATE  
11/05/2024  
CHECKED BY  
DJC  
DRAWN BY  
RES

PROJECT NUMBER  
568-21-701  
BUILDING NUMBER  
145  
DRAWING NUMBER  
**145-TD-031**



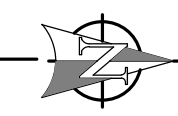
## 2 ENLARGED DEMOLITION PLAN - TE RM TC3A

1/4" = 1'-0"

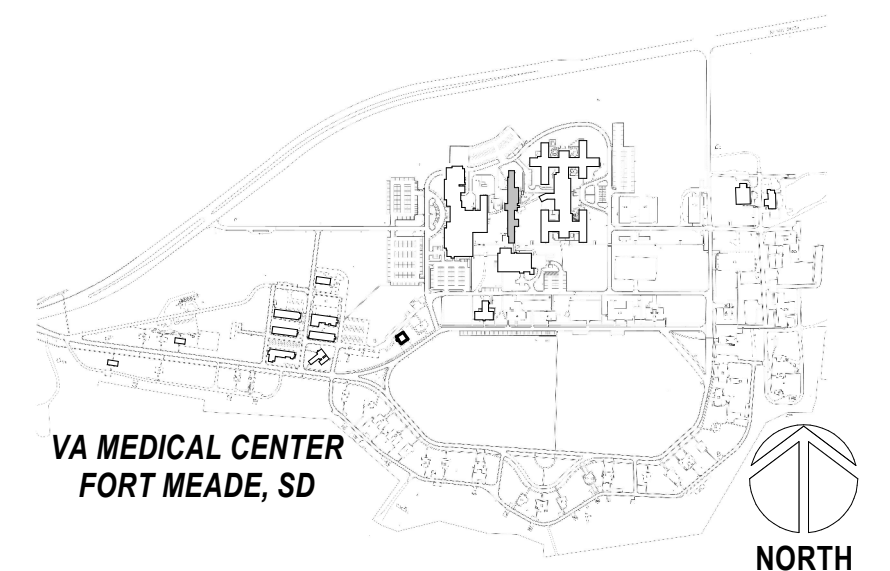


## 1 TELECOM DEMOLITION PLAN - BLDG 145 THIRD FLOOR - NORTH

1/8" = 1'-0"



## PROJECT KEY PLAN



Revisions:	Date:

**CONSULTANT**  
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541.436.4723  
ADAM GODDIN, PE



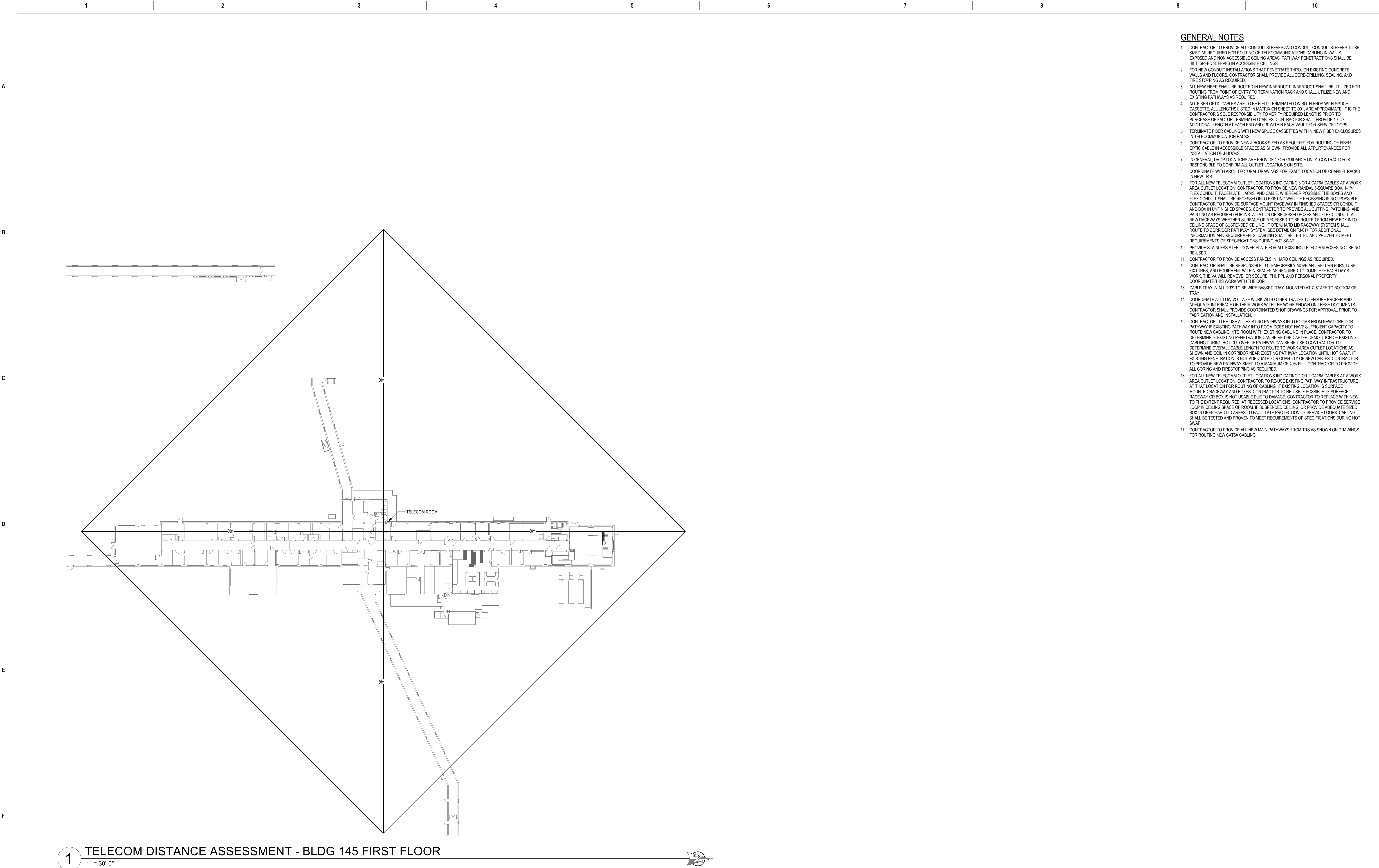
**STAMP**  
**BICSI**  
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER  
BICSI ID #164277  
EXPIRES 12-31-24  
RCDD

**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**  
**VA** U.S. Department of Veterans Affairs

**DRAWING TITLE**  
145-TELECOM DEMOLITION PLAN - THIRD FLOOR NORTH  
**APPROVED:** Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

**PHASE**  
100% CONSTRUCTION DOCUMENTS  
**FLS**  
FULLY SPRINKLERED

<b>PROJECT TITLE</b> EHRM INFRASTRUCTURE UPGRADES			<b>PROJECT NUMBER</b> 568-21-701	
<b>LOCATION</b> FORT MEADE, SOUTH DAKOTA			<b>BUILDING NUMBER</b> 145	
<b>ISSUE DATE</b> 11/05/2024	<b>CHECKED BY</b> DJC	<b>DRAWN BY</b> RES	<b>DRAWING NUMBER</b> 145-TD-032	



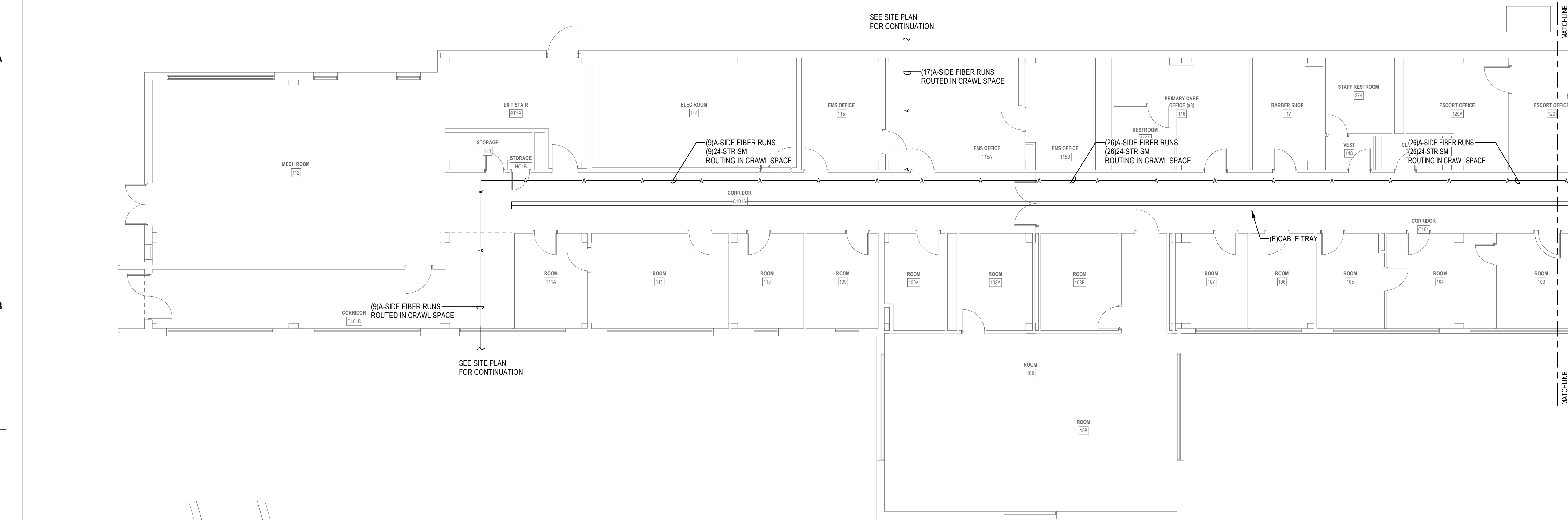
GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRATIONS SHALL BE HILT SPEED SLEEVES IN ACCESSIBLE CEILINGS.
- FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
- ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 10' WITHIN EACH VAULT FOR SERVICE LOOPS.
- TERMINATE FIBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES IN TELECOMMUNICATION RACKS.
- CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APERTURNANCES FOR INSTALLATION OF J-HOOKS.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRS.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION: CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPENHARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES: CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE, CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPENHARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

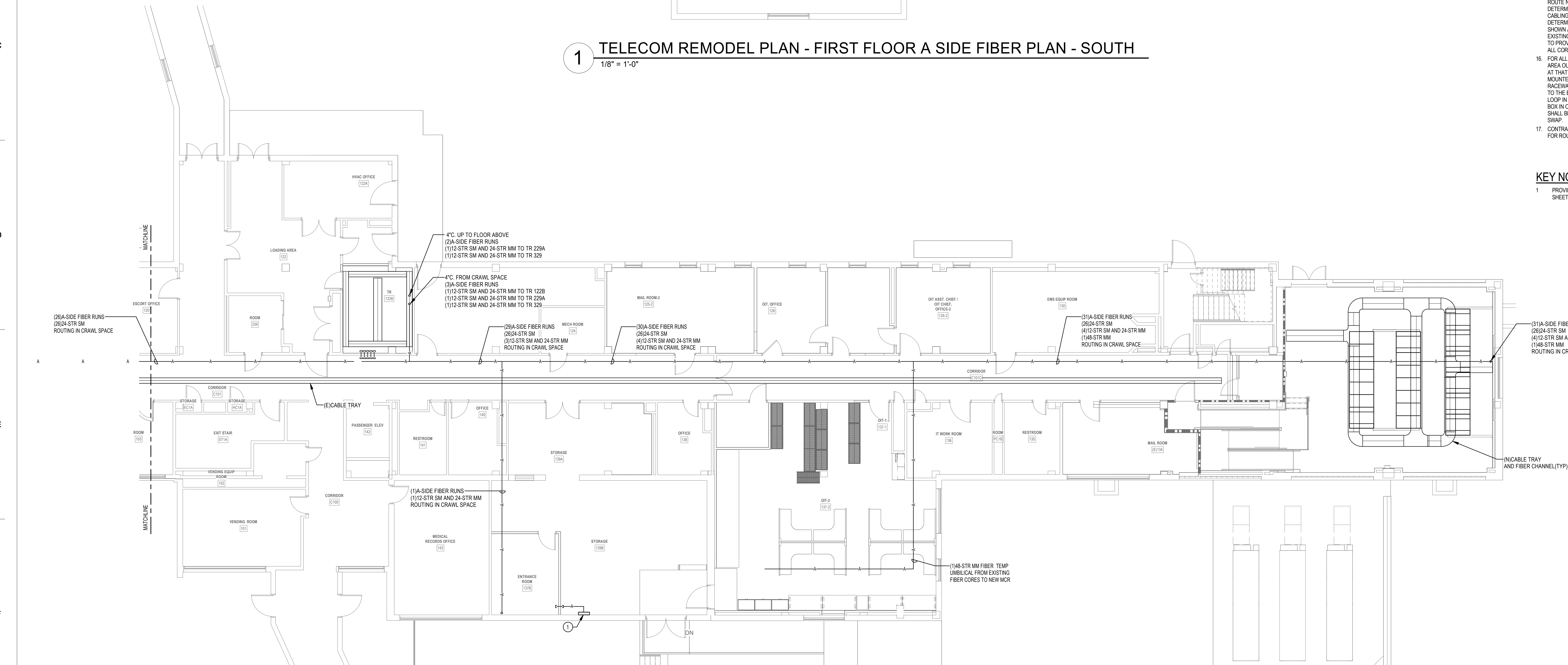
1 TELECOM DISTANCE ASSESSMENT - BLDG 145 FIRST FLOOR  
1" = 30'-0"

Revisions:	Date:	CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT		DRAWING TITLE 145 - TELECOM DISTANCE ASSESSMENT - FIRST FLOOR		PHASE 100% CONSTRUCTION DOCUMENTS		PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES		PROJECT NUMBER 568-21-701					
		LOW VOLTAGE		A/E						APPROVED: Project Director		FLS  FULLY SPRINKLERED		LOCATION FORT MEADE, SOUTH DAKOTA		BUILDING NUMBER 145					
		GDM		GDM																	
		4317 6TH AVE SE, SUITE 300		1308 NE 134TH ST SUITE A																	
		LACEY, WA 98503		VANCOUVER, WA 98685																	
		541.436.4723		541.436.4723																	
		DAVE CLEM, RCDD		ADAM GODDIN, PE						FOR OFFICIAL USE ONLY (FOUO)				ISSUE DATE 11/05/2024		CHECKED BY DJC		DRAWN BY AH,RES		DRAWING NUMBER  145-TN-010	





1 TELECOM REMODEL PLAN - FIRST FLOOR A SIDE FIBER PLAN - SOUTH  
1/8" = 1'-0"



2 TELECOM REMODEL PLAN - FIRST FLOOR A SIDE FIBER PLAN - NORTH  
1/8" = 1'-0"

#### GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRATIONS SHALL BE HILT SPEED SLEEVES IN ACCESSIBLE CEILINGS.
- FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
- ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.
- TERMINATE FIBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES IN TELECOMMUNICATION RACKS.
- CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION OF J-HOOKS.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRIS.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION. CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPENHARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON T3-011 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PII, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRIS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION. CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES. CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE, CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM. IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPENHARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

#### KEY NOTES

- PROVIDE FIBER 'LUI' AND EXTEND FIBER FROM DEMARQ TO ENTRANCE ROOM. SEE SHEET T3-011 FOR ADDITIONAL INFORMATION.

Revisions:	Date:

**CONSULTANT**  
**LOW VOLTAGE**  
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ADAM GODDIN, PE



#### STAMP



**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**



DRAWING TITLE  
**TELECOM REMODEL PLAN -  
FIRST FLOOR FIBER ROUTING - A  
SIDE**  
APPROVED: Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

PHASE  
100% CONSTRUCTION  
DOCUMENTS  
FLS  
**FULLY SPRINKLERED**

PROJECT TITLE  
**EHRM INFRASTRUCTURE  
UPGRADES**  
LOCATION  
**FORT MEADE, SOUTH DAKOTA**  
ISSUE DATE  
11/05/2024  
CHECKED BY  
DJC  
DRAWN BY  
AH

PROJECT NUMBER  
**568-21-701**  
BUILDING NUMBER  
**145**  
DRAWING NUMBER  
**145-TN-011**

2 TELECOM REMODEL PLAN - FIRST FLOOR B SIDE FIBER PLAN - SOUTH  
1/8" = 1'-0"

GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRATIONS SHALL BE HILT SPEED SLEEVES IN ACCESSIBLE CEILINGS.
- FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
- ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.
- TERMINATE FIBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES IN TELECOMMUNICATION RACKS.
- CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION OF J-HOOKS.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRS.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION: CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPENHARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TG-017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PII, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
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- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

KEY NOTES

1 TELECOM REMODEL PLAN - FIRST FLOOR B SIDE FIBER PLAN - NORTH  
1/8" = 1'-0"

Revisions:	Date:

**CONSULTANT**  
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**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**  
**VA** U.S. Department  
of Veterans Affairs

DRAWING TITLE  
**TELECOM REMODEL PLAN -  
FIRST FLOOR FIBER ROUTING - B  
SIDE**  
APPROVED: Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

PHASE  
100% CONSTRUCTION  
DOCUMENTS  
FLS  
**FULLY SPRINKLERED**

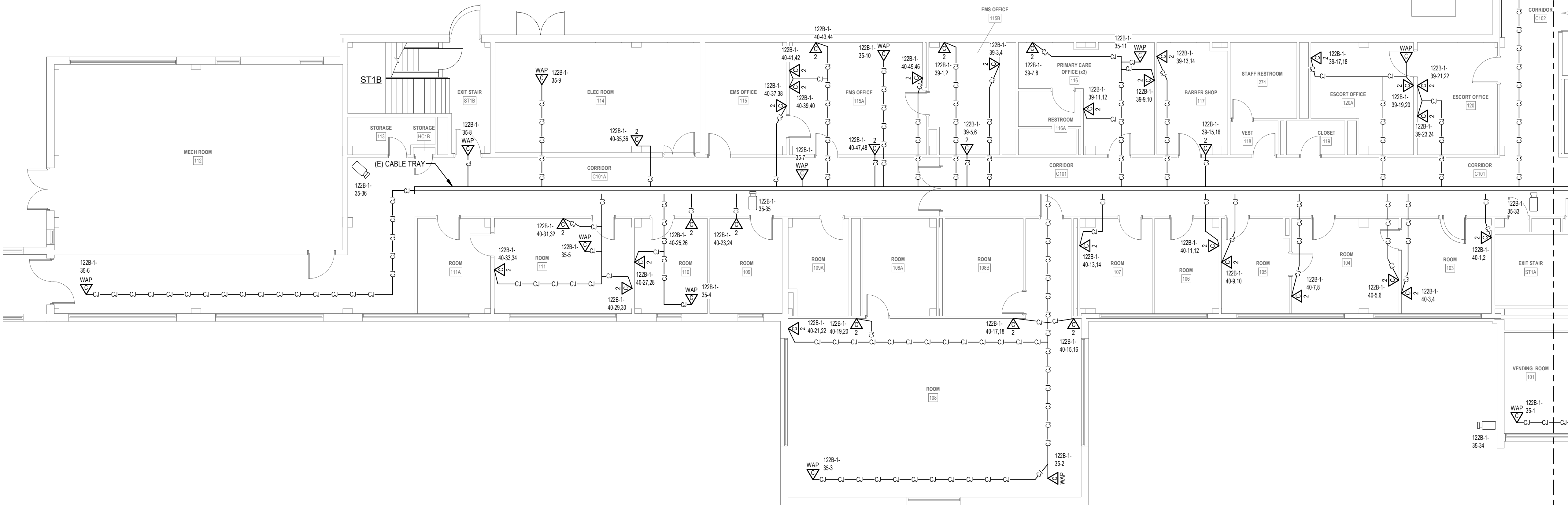
PROJECT TITLE  
**EHRM INFRASTRUCTURE  
UPGRADES**  
LOCATION  
**FORT MEADE, SOUTH DAKOTA**  
ISSUE DATE  
**11/05/2024**  
CHECKED BY  
**DJC**  
DRAWN BY  
**AH**

PROJECT NUMBER  
**568-21-701**  
BUILDING NUMBER  
**145**  
DRAWING NUMBER  
**145-TN-012**

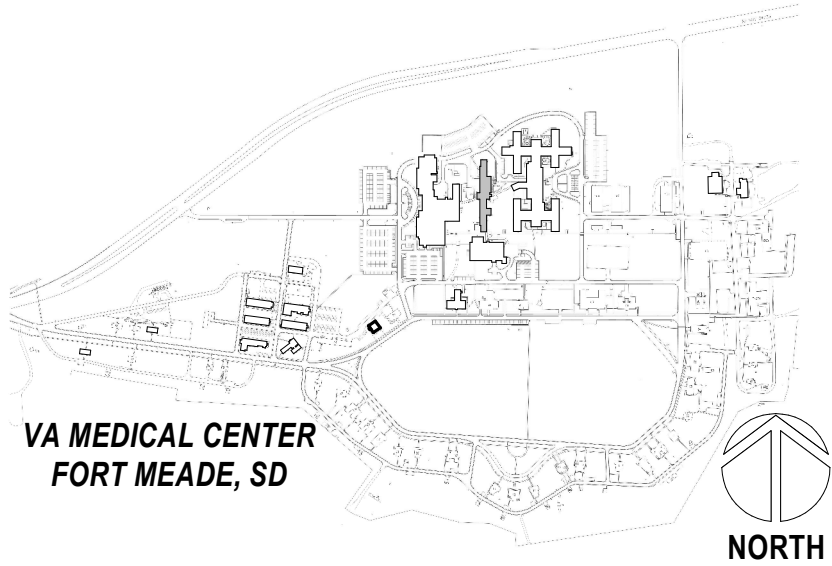
GENERAL NOTES

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KEY NOTES



PROJECT KEY PLAN



1 TELECOM REMODEL PLAN - BLDG 145 FIRST FLOOR - SOUTH  
1/8" = 1'-0"

Revisions:	Date:

**CONSULTANT**  
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**STAMP**  
**BICSI**  
DESIGNATION  
BICSI 10 #164277  
EXPIRES 12-31-24  
RCDD

**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**  
**VA** U.S. Department  
of Veterans Affairs

**DRAWING TITLE**  
145-TELECOM REMODEL PLAN -  
FIRST FLOOR SOUTH  
**APPROVED:** Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

**PHASE**  
100% CONSTRUCTION  
DOCUMENTS  
**FLS**  
**FULLY SPRINKLERED**

**PROJECT TITLE**  
EHRM INFRASTRUCTURE  
UPGRADES  
**LOCATION**  
FORT MEADE, SOUTH DAKOTA  
**ISSUE DATE**  
11/05/2024  
**CHECKED BY**  
DJC  
**DRAWN BY**  
AH,RES

**PROJECT NUMBER**  
568-21-701  
**BUILDING NUMBER**  
145  
**DRAWING NUMBER**  
**145-TN-013**



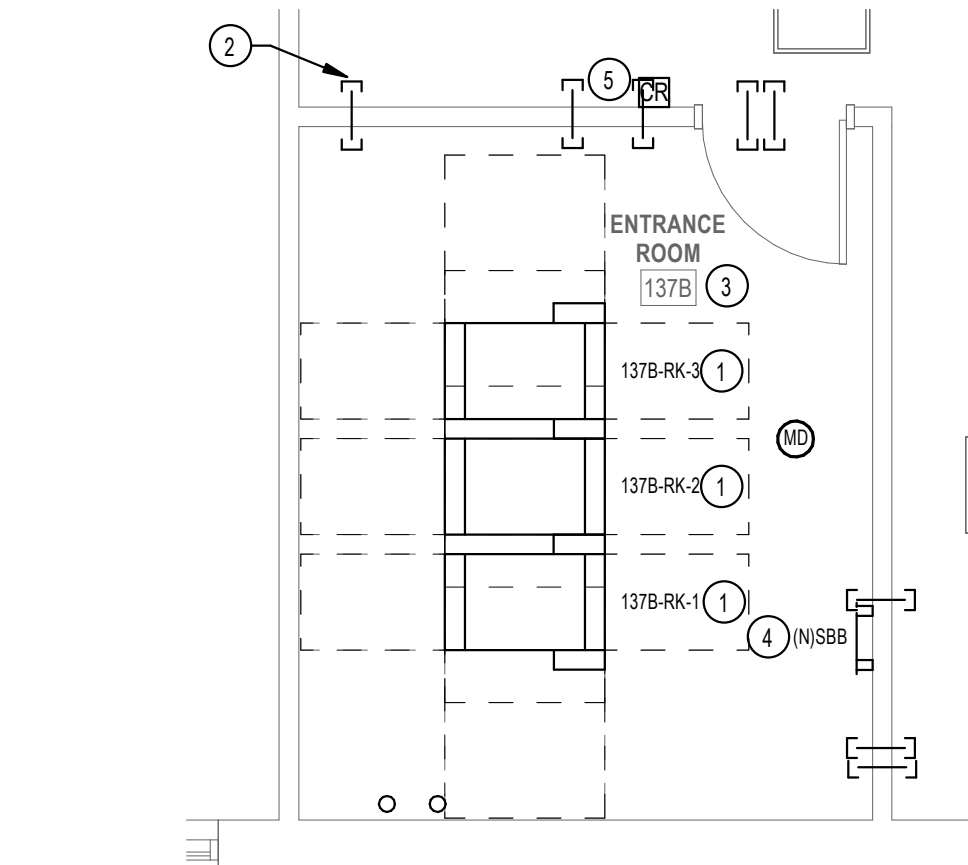
RACK EQUIPMENT SCHEDULE - ENTRANCE ROOMS			
EQUIPMENT	QTY	TYPE	PART #
RACK	3	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL
UPS	6	5KVA	XTREME UPS #M80C-255K OR APPROVED EQUAL (NOTE 5)
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #EX21A-S48 OR APPROVED EQUAL
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANAGER	#MM20VMD706-W OR APPROVED EQUAL
PDU	6	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKETS #39221-E03 OR APPROVED EQUAL
ZONE PDU	1	60 AMP HORIZONTAL ZONE PDU	#ZPDS-208V60A-HW-6L20 OR APPROVED EQUAL

NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.  
1. SEE FIBER ONE LINE DIAGRAM ON SHEETS TJ-001 AND TJ-002 FOR ADDITIONAL INFORMATION.  
2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT.  
3. SEE FLOOR PLAN FOR QUANTITIES.  
4. PROVIDE LEVITON #EX21A-S48 REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.  
5. PROVIDE UPS WITH POWER CORD, RECEPTACLE PANEL, WEB/SMP CARD, AND 4-POST RAIL KIT.

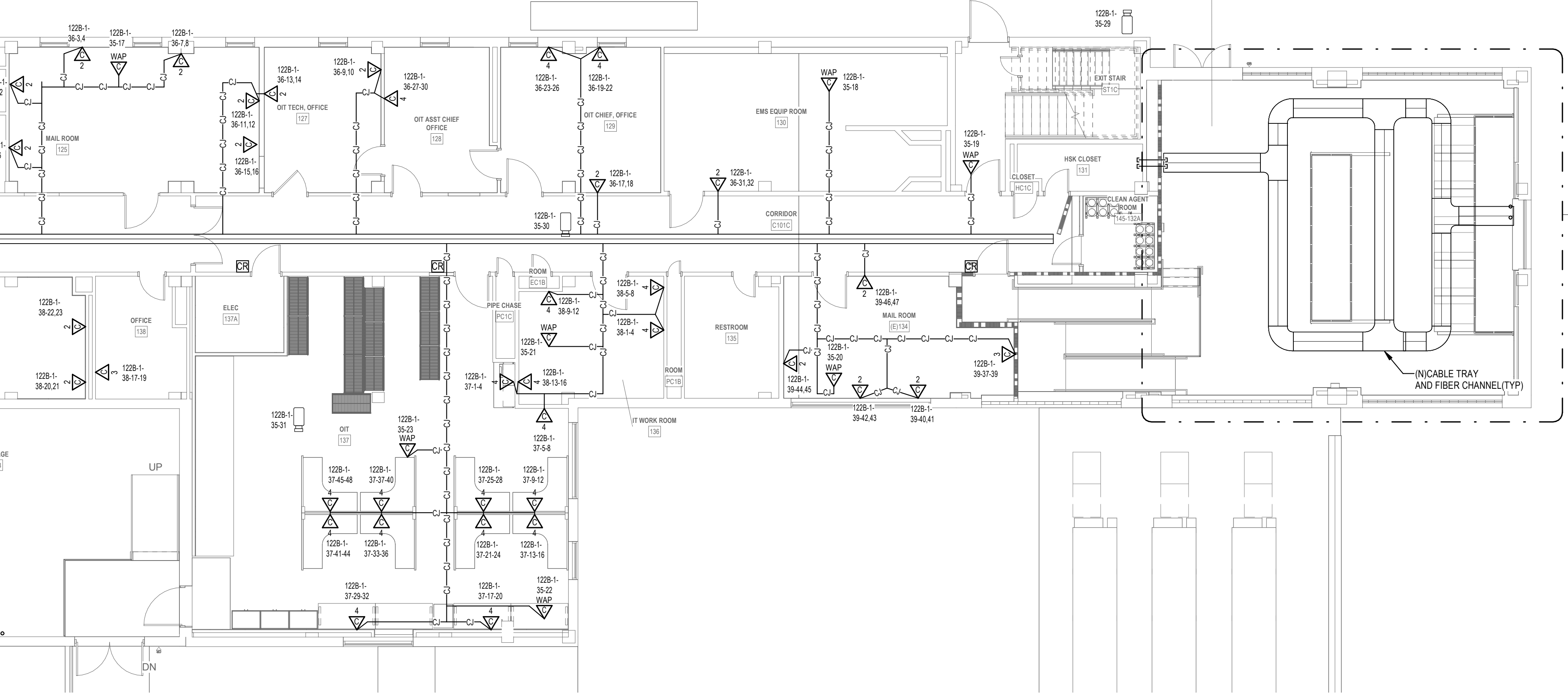
RACK EQUIPMENT SCHEDULE - 1-RACK TR			
EQUIPMENT	QTY	TYPE	PART #
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL
UPS	1	5KVA	XTREME UPS #M80C-255K OR APPROVED EQUAL (NOTE 5)
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #EX21A-S48 OR APPROVED EQUAL (NOTE 4)
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANAGER	#MM20VMD706-W OR APPROVED EQUAL
PDU	2	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKETS #39221-E03 OR APPROVED EQUAL

NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.  
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2 ENLARGED PLAN - RM. 122B  
1/4" = 1'-0"

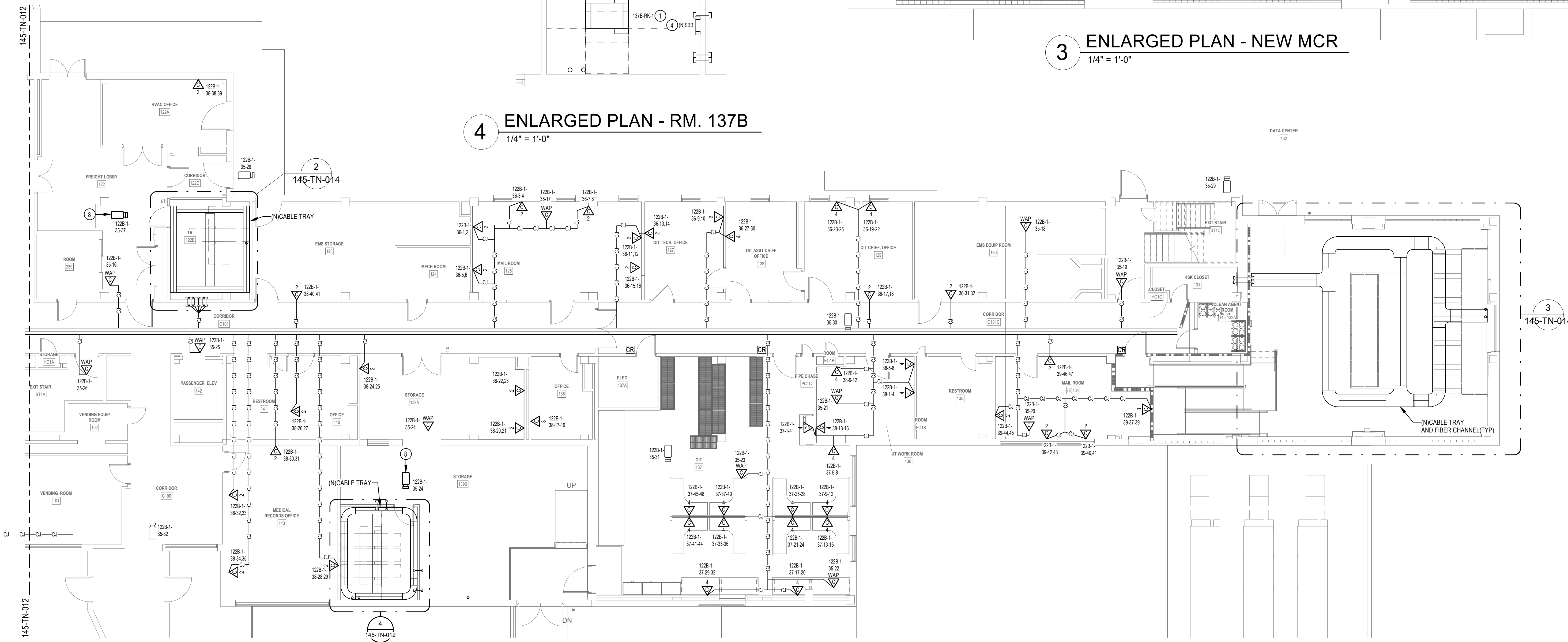


4 ENLARGED PLAN - RM. 137B  
1/4" = 1'-0"



3 ENLARGED PLAN - NEW MCR  
1/4" = 1'-0"

1 TELECOM REMODEL PLAN - BLDG 145 FIRST FLOOR - NORTH  
1/8" = 1'-0"



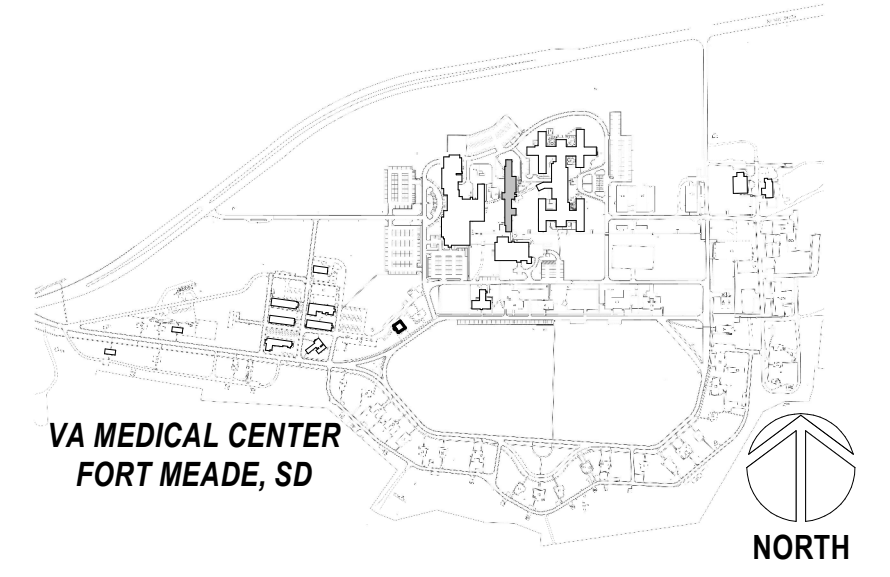
GENERAL NOTES

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KEY NOTES

- PROVIDE NEW CHANNEL RACK, FIBER ENCLOSURES, UPS, PATCH PANELS, CABLE MANAGERS, AND PDUS. SEE RACK EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE HILT FIRESTOP SPEED SLEEVE.
- PROVIDE VERTICAL CABLE SUPPORTS FROM CONDUITS/SLEEVE TO COMMUNICATION RACK.
- PROVIDE BONDING BUSBAR CPH #40153-012 OR APPROVED EQUAL AND BONDING IN ALL TR ROOMS. SEE SHEET TJ-021 THROUGH TJ-029 FOR ADDITIONAL INFORMATION.
- PROVIDE NEW WIRING TO NEW CARD READER FROM EXISTING ACCESS CONTROL PANEL AND PROVIDE NEW ELECTRICAL STROKE. PROVIDE 1" CONDUIT AND BOXES AS REQUIRED.
- SEE DETAIL ON SHEET TJ-016 "ACCESS CONTROL DETAIL" FOR ACCESS CONTROL DEVICES REQUIRED AT THIS DOOR.
- PROVIDE FIRE ALARM STROBE. CONNECT TO NEAREST MAC CIRCUIT.
- PROVIDE NEW CAMERA. SEE SPECIFICATIONS SECTION 28 23 00 AND SHEET TJ-016 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PROJECT KEY PLAN



Revisions:	Date:

**CONSULTANT**  
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**STAMP**  
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER  
**BICSI**  
BICSI ID #164227  
EXPIRES 12-31-24  
RCDD

**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**  
**VA** U.S. Department of Veterans Affairs

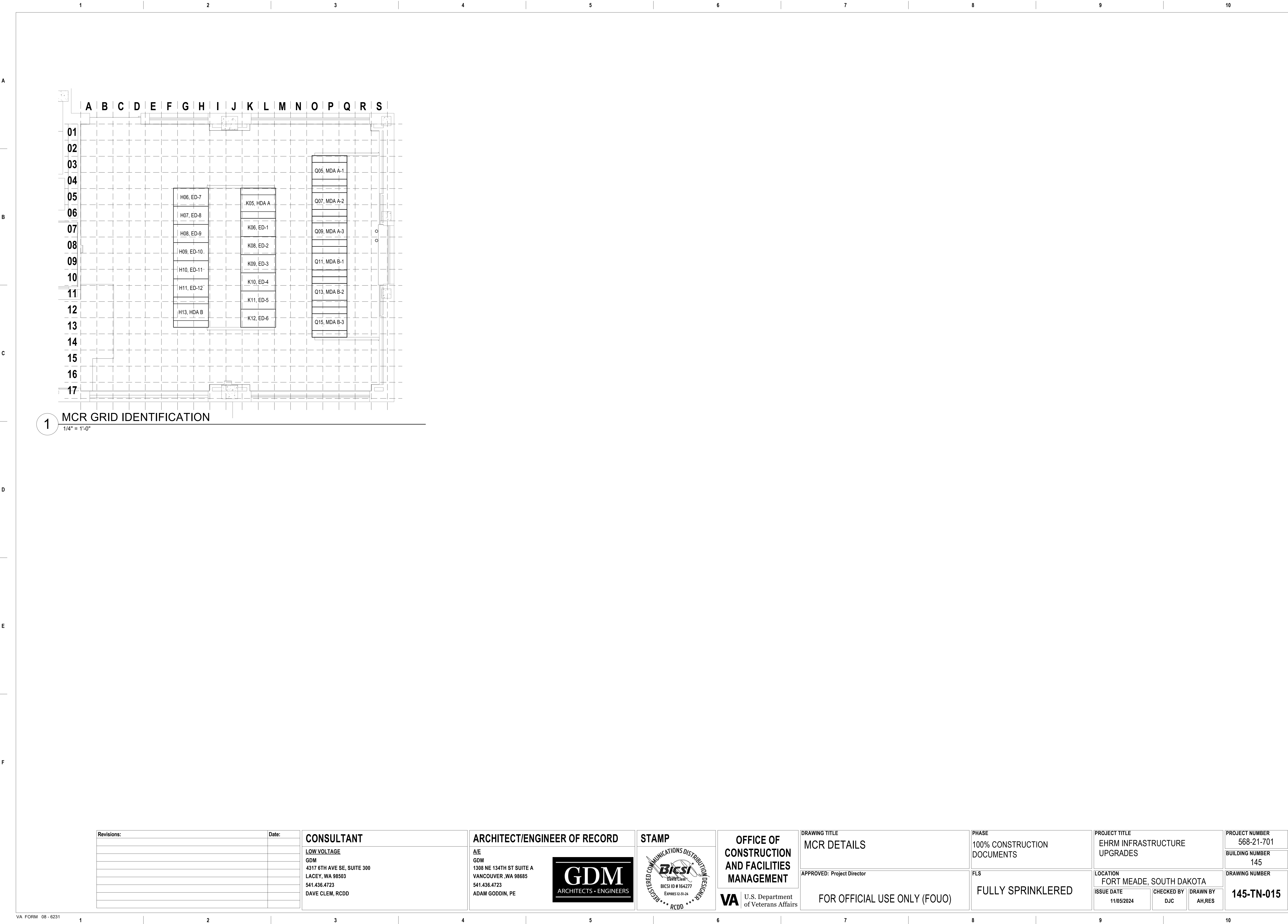
**DRAWING TITLE**  
145-TELECOM REMODEL PLAN - FIRST FLOOR NORTH  
**APPROVED:** Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

**PHASE**  
100% CONSTRUCTION DOCUMENTS  
**FLS**  
FULLY SPRINKLERED

**PROJECT TITLE**  
EHRM INFRASTRUCTURE UPGRADES  
**LOCATION**  
FORT MEADE, SOUTH DAKOTA  
**ISSUE DATE**  
11/05/2024  
**CHECKED BY**  
DJC  
**DRAWN BY**  
AH,RES

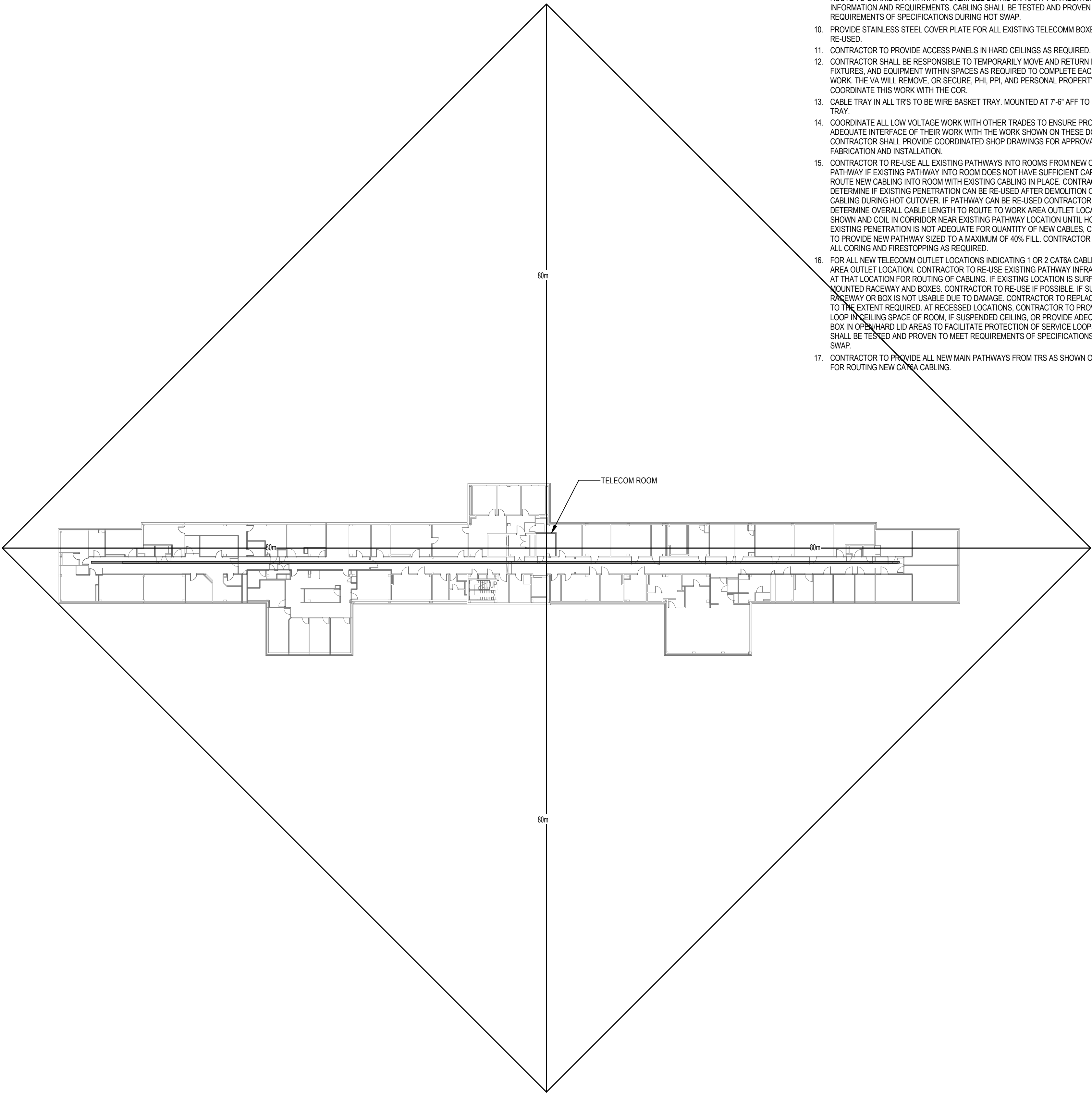
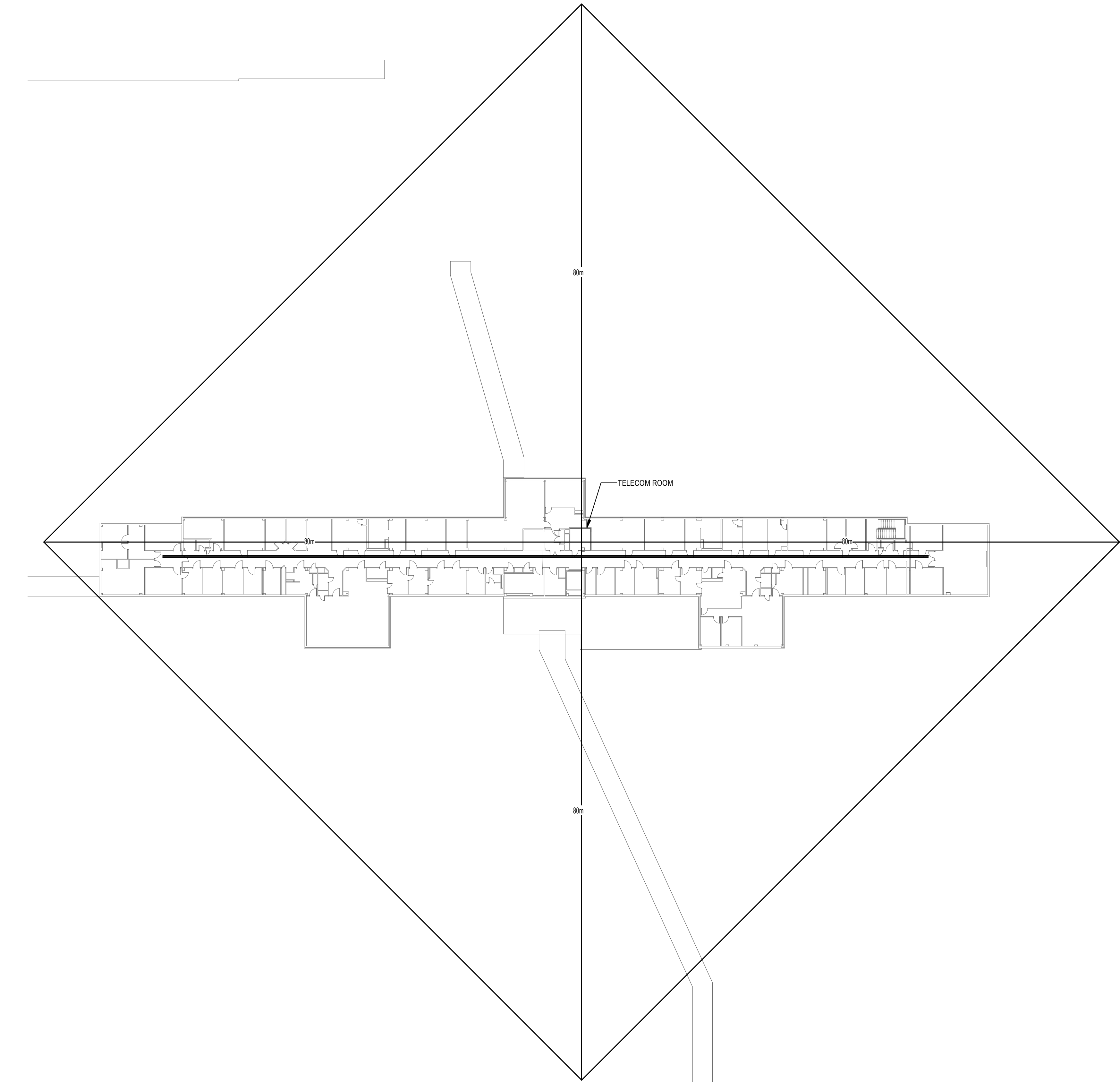
**PROJECT NUMBER**  
568-21-701  
**BUILDING NUMBER**  
145  
**DRAWING NUMBER**  
145-TN-014





GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRATIONS SHALL BE FILL SPEED SLEEVES IN ACCESSIBLE CEILINGS.
- FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
- ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.
- TERMINATE FIBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES IN TELECOMMUNICATION RACKS.
- CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION OF J-HOOKS.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRS.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION: CONTRACTOR TO PROVIDE NEW RANDAL'S SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPENHARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
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1 TELECOM DISTANCE ASSESSMENT - BLDG 145 SECOND FLOOR  
1" = 30'-0"

2 TELECOM DISTANCE ASSESSMENT - BLDG 145 THIRD FLOOR  
1" = 30'-0"

Revisions:	Date:

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**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**  
**VA** U.S. Department  
of Veterans Affairs

DRAWING TITLE  
**TELECOM DISTANCE  
ASSESSMENT - SECOND & THIRD  
FLOORS**  
APPROVED: Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

PHASE  
100% CONSTRUCTION  
DOCUMENTS  
FLS  
**FULLY SPRINKLERED**

PROJECT TITLE  
**EHRM INFRASTRUCTURE  
UPGRADES**  
LOCATION  
**FORT MEADE, SOUTH DAKOTA**  
ISSUE DATE  
11/05/2024

CHECKED BY  
DJC  
DRAWN BY  
AH

PROJECT NUMBER  
568-21-701  
BUILDING NUMBER  
145  
DRAWING NUMBER  
**145-TN-021**

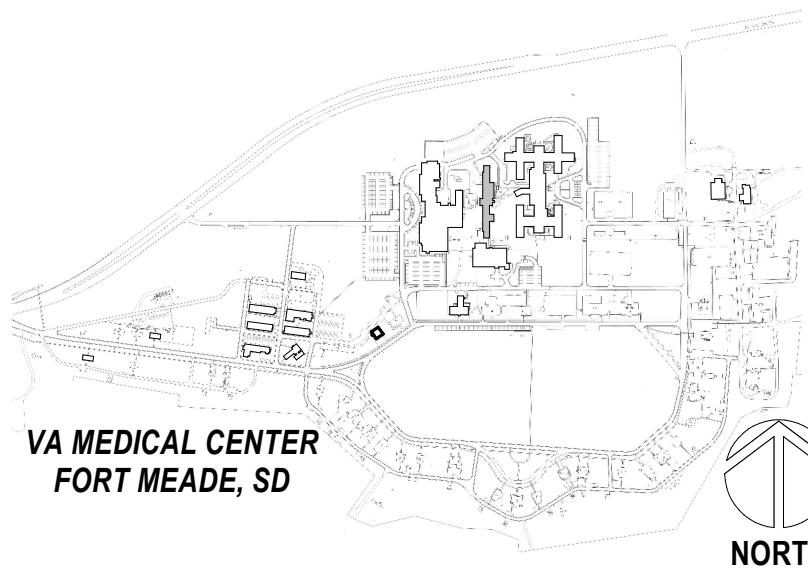
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KEY NOTES

- THIRD JACK INTENDED FOR FAX, PRINTER, CREDIT CARD MACHINE, OR ANALOG PHONE USE. CONFIRM DESIRED LOCATION WITH COR PRIOR TO INSTALLATION.

PROJECT KEY PLAN



1 TELECOM REMODEL PLAN - BLDG 145 SECOND FLOOR - SOUTH

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT

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

DRAWING TITLE

145-TELECOM REMODEL PLAN -  
SECOND FLOOR SOUTH

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

AH,RES

PROJECT NUMBER

568-21-701

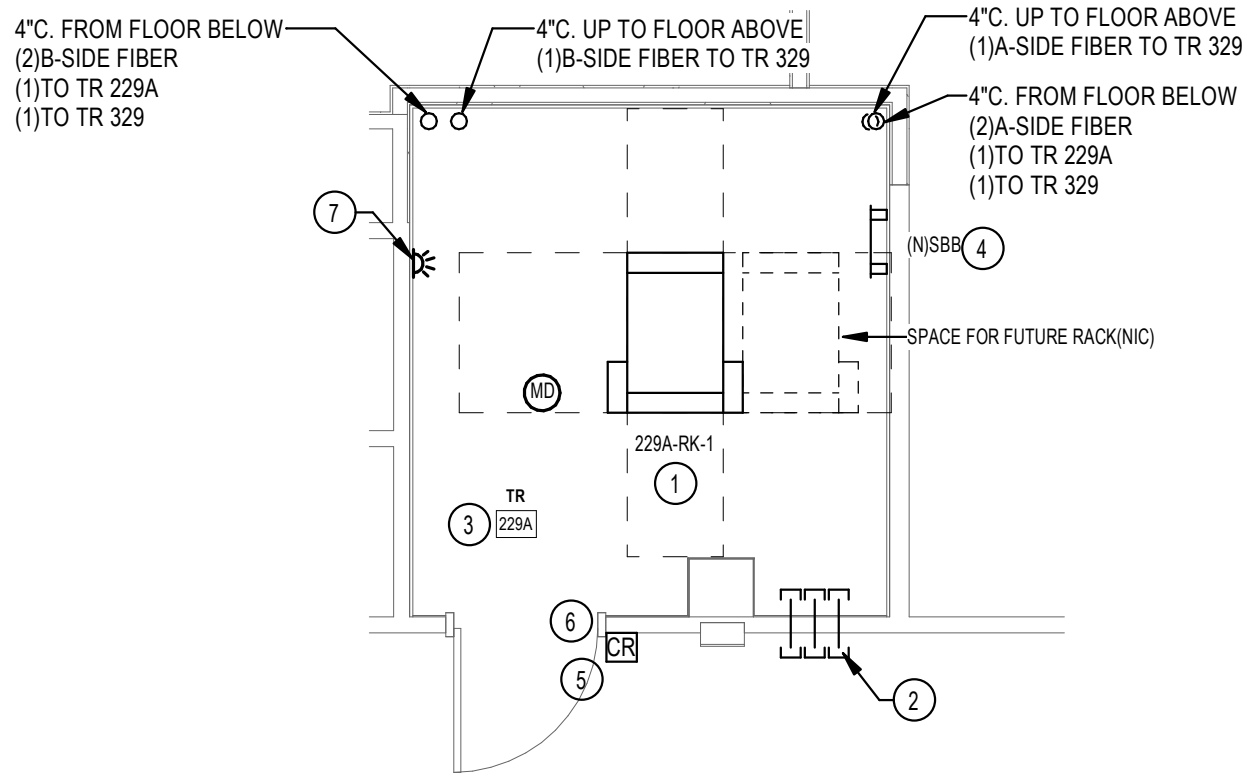
BUILDING NUMBER

145

DRAWING NUMBER

145-TN-022

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3 ENLARGED PLAN - RM. 229A  
1/4" = 1'-0"

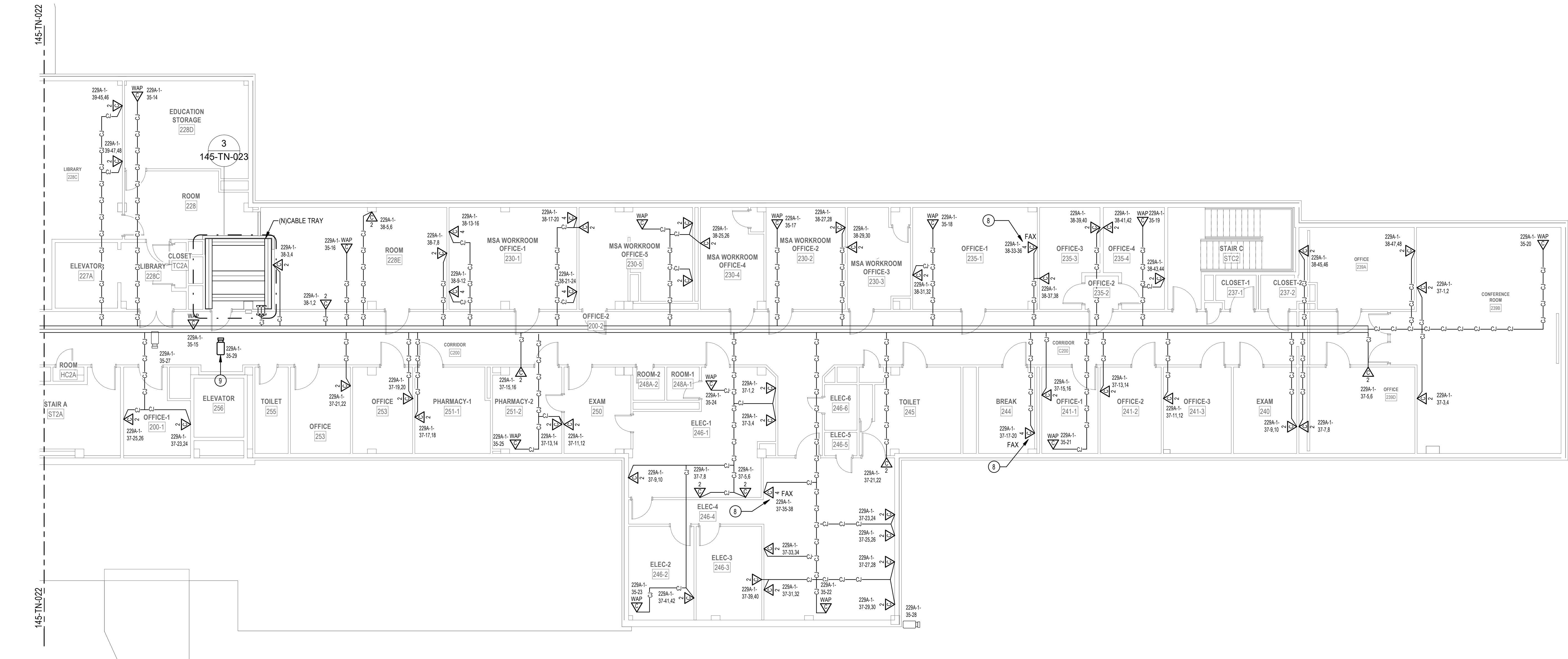
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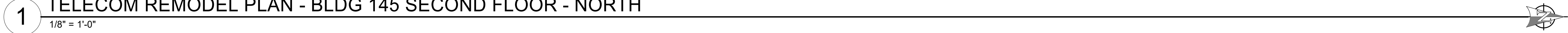
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F



1 TELECOM REMODEL PLAN - BLDG 145 SECOND FLOOR - NORTH  
1/8" = 1'-0"



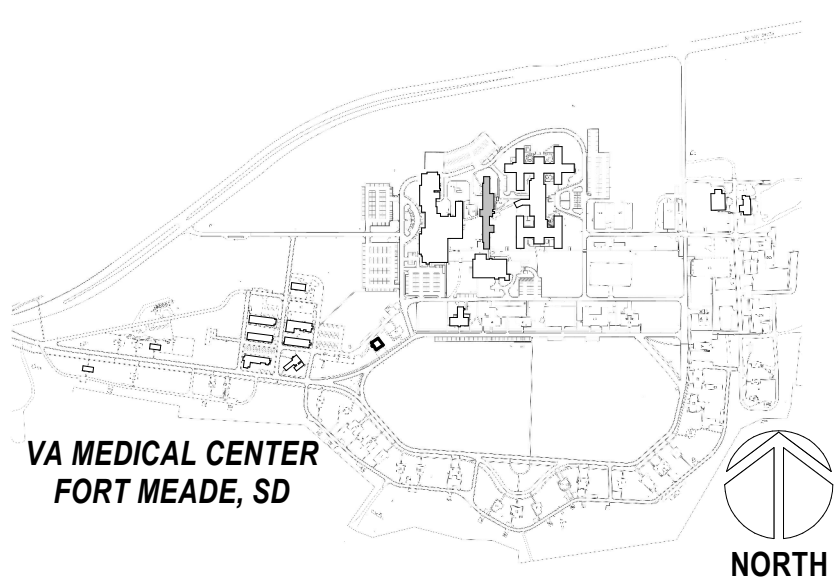
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KEY NOTES

- PROVIDE NEW CHANNEL RACK, FIBER ENCLOSURES, UPS, PATCH PANELS, CABLE MANAGERS, AND PDUs. SEE RACK EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE HILT FIRESTOP SPEED SLEEVE.
- PROVIDE VERTICAL CABLE SUPPORTS FROM CONDUITS/SLLEEVE TO COMMUNICATION RACK.
- PROVIDE BONDING BUSBAR CBI #40153-012 OR APPROVED EQUAL AND BONDING IN ALL TR ROOMS. SEE SHEET TJ-021 THROUGH TJ-025 FOR ADDITIONAL INFORMATION.
- PROVIDE NEW WIRING TO NEW CARD READER FROM EXISTING ACCESS CONTROL PANEL AND PROVIDE NEW ELECTRICAL STRIKE. PROVIDE 1" CONDUIT AND BOXES AS REQUIRED.
- SEE DETAIL ON SHEET "TJ-016" "ACCESS CONTROL DETAIL" FOR ACCESS CONTROL DEVICES REQUIRED AT THIS DOOR.
- PROVIDE FIRE ALARM STRIKE. CONNECT TO NEAREST MAC CIRCUIT.
- THIRD JACK INTENDED FOR FAX, PRINTER, CREDIT CARD MACHINE, OR ANALOG PHONE USE. CONFIRM DESIRED LOCATION WITH COR PRIOR TO INSTALLATION.
- PROVIDE NEW CAMERA. SEE SPECIFICATIONS SECTION 28 23 00 AND SHEET TJ-016" FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

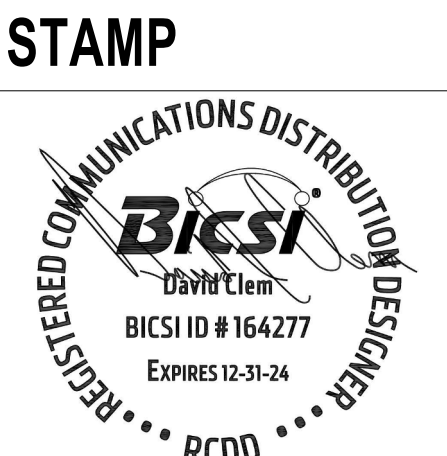
PROJECT KEY PLAN



Revisions:	Date:

**CONSULTANT**  
**LOW VOLTAGE**  
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**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**  
VA U.S. Department of Veterans Affairs

DRAWING TITLE  
**145-TELECOM REMODEL PLAN - SECOND FLOOR NORTH**  
APPROVED: Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

PHASE  
100% CONSTRUCTION DOCUMENTS  
FLS  
**FULLY SPRINKLERED**

PROJECT TITLE  
EHRM INFRASTRUCTURE UPGRADES  
LOCATION  
FORT MEADE, SOUTH DAKOTA  
ISSUE DATE  
11/05/2024  
CHECKED BY  
DJC  
DRAWN BY  
AH,RES

PROJECT NUMBER  
568-21-701  
BUILDING NUMBER  
145  
DRAWING NUMBER  
**145-TN-023**

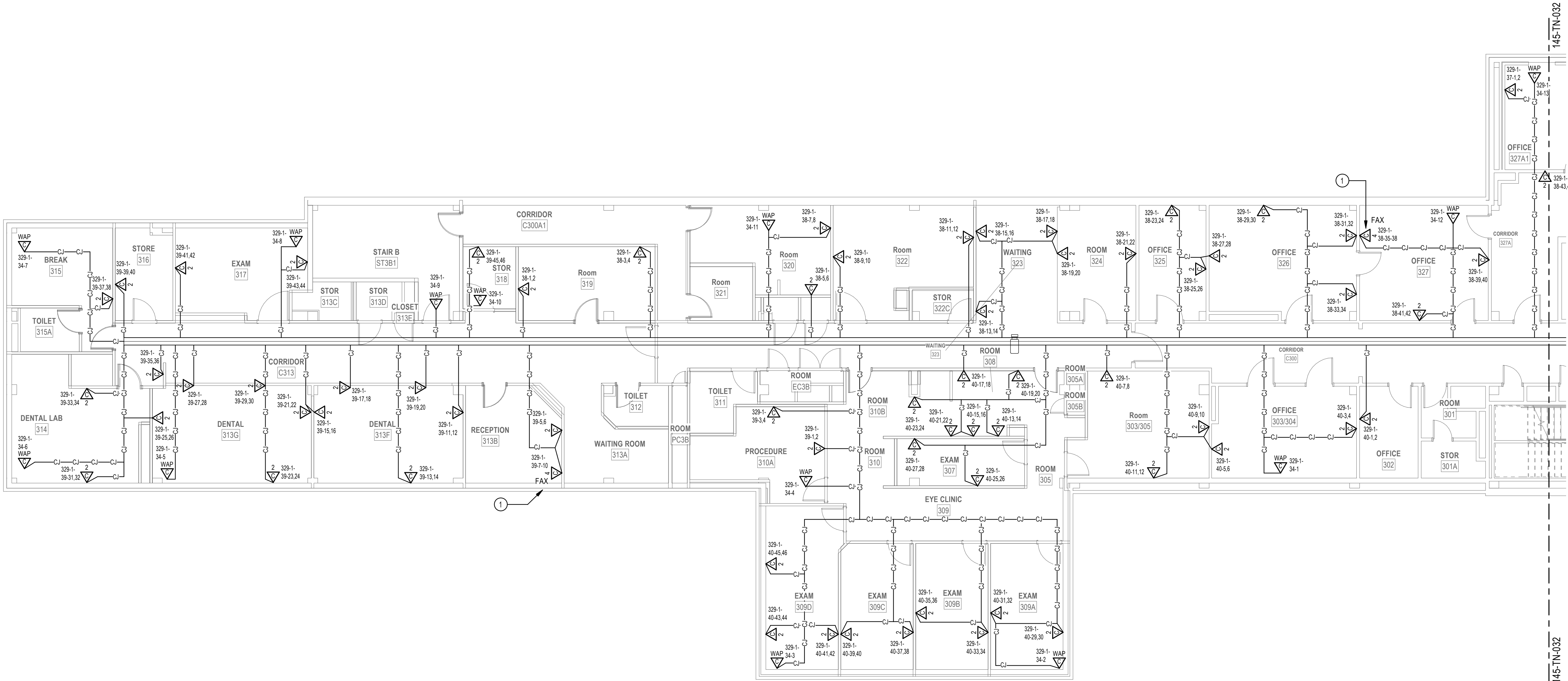


GENERAL NOTES

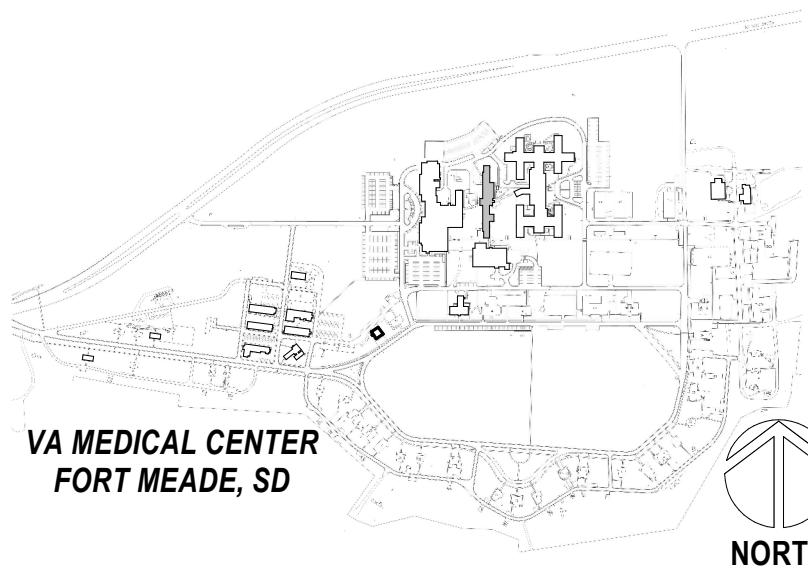
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- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" DEPTH, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPENHARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON T-017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT OUTTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES, CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE, CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPENHARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

KEY NOTES

- THIRD JACK INTENDED FOR FAX, PRINTER, CREDIT CARD MACHINE, OR ANALOG PHONE USE. CONFIRM DESIRED LOCATION WITH COR PRIOR TO INSTALLATION.



PROJECT KEY PLAN



1 TELECOM REMODEL PLAN - BLDG 145 THIRD FLOOR - SOUTH  
1/8" = 1'-0"

Revisions:	Date:

**CONSULTANT**  
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GDM  
4317 6TH AVE SE, SUITE 300  
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**STAMP**  
**BICSI**  
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER  
BICSI ID #164277  
EXPIRES 12-31-24  
RCDD

**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**  
**VA** U.S. Department  
of Veterans Affairs

DRAWING TITLE  
**145-TELECOM REMODEL PLAN -  
THIRD FLOOR - SOUTH**  
APPROVED: Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

PHASE  
100% CONSTRUCTION  
DOCUMENTS  
FLS  
**FULLY SPRINKLERED**

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES			PROJECT NUMBER 568-21-701
LOCATION FORT MEADE, SOUTH DAKOTA			BUILDING NUMBER 145
ISSUE DATE 11/05/2024	CHECKED BY DJC	DRAWN BY AH,RES	DRAWING NUMBER <b>145-TN-031</b>

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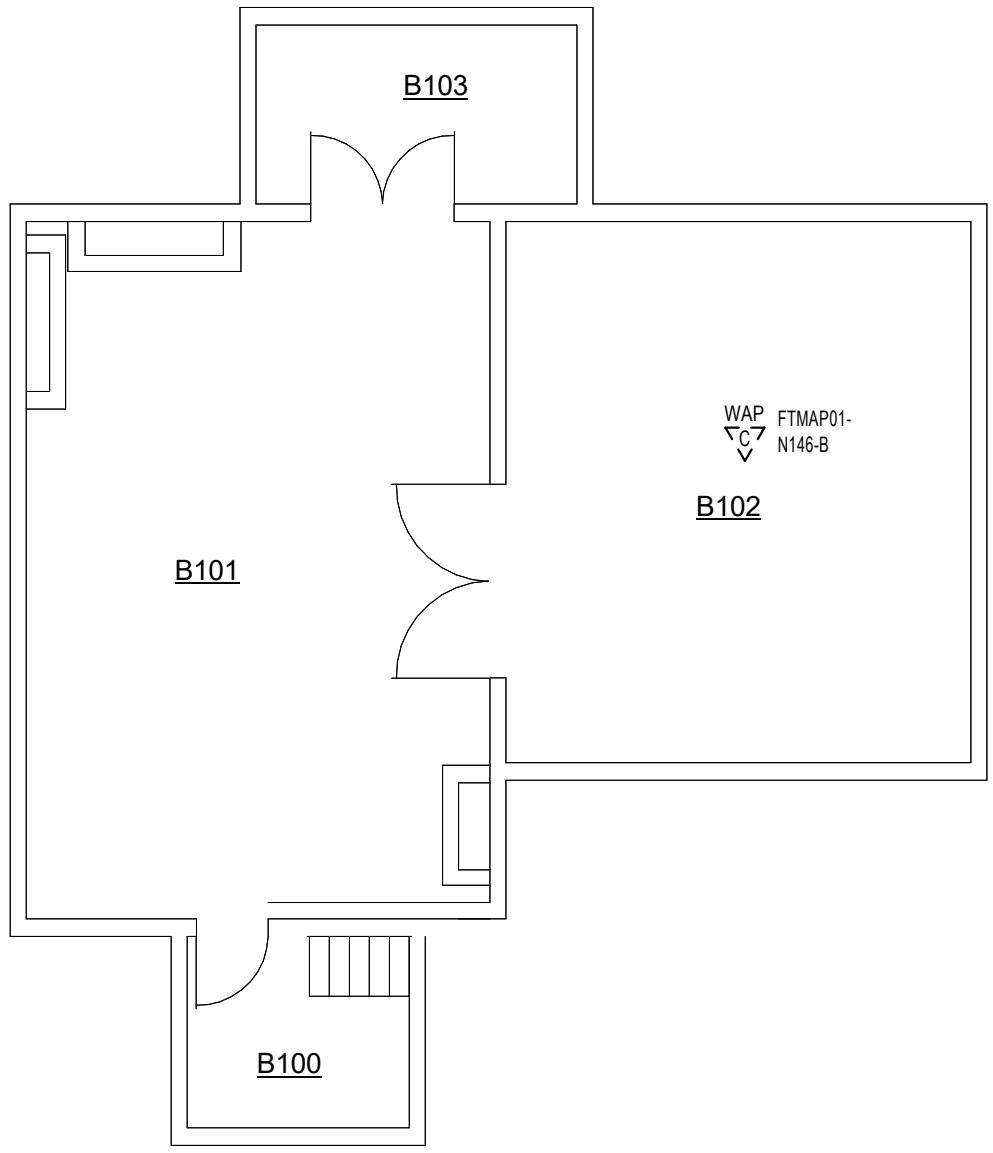
A  
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DEMOLITION GENERAL NOTES

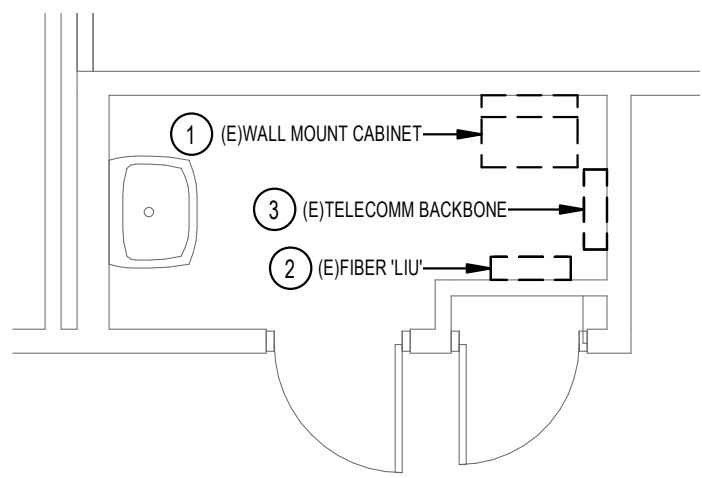
- 1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
- 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL.
- 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- 5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
- 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLE TO EACH OUTLET.
- 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
- 8 ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLEING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
- 9 DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLEING IS INSTALLED. TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
- 10 CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS' JACKS AND RELATED CABLEING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

- 1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLEING IS INSTALLED.
- 2 EXISTING FIBER "LJ" TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK TO SOURCE.
- 3 EXISTING COMMUNICATIONS BETH, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING BETH, PUNCHBLOCKS AND BACKBONE CABLEING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.

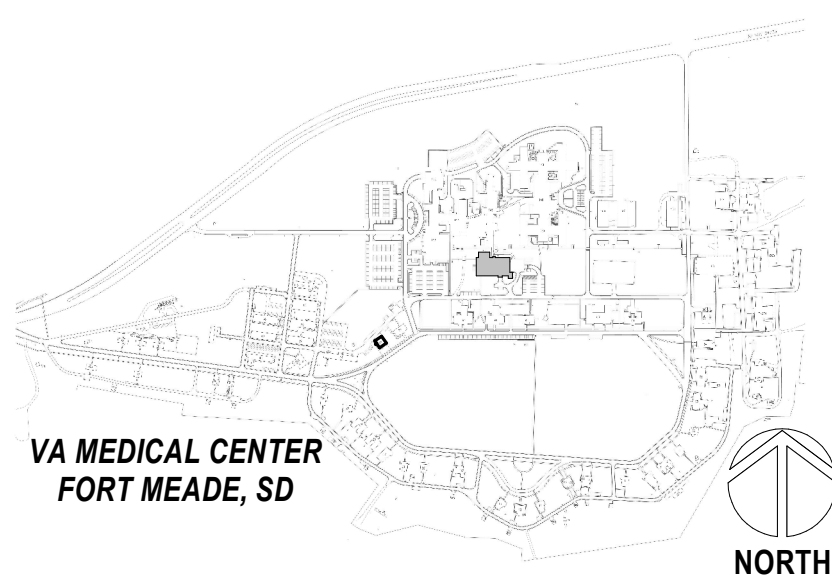


3 TELECOM DEMOLITION PLAN - BLDG 146 BASEMENT  
1/8" = 1'-0"



2 ENLARGED DEMOLITION PLAN - TE RM 117  
1/4" = 1'-0"

PROJECT KEY PLAN



1 TELECOM DEMOLITION PLAN - BLDG 146 FIRST FLOOR  
1/8" = 1'-0"

Revisions:	Date:

**CONSULTANT**  
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COMMUNICATIONS DISTRIBUTION DESIGN  
**BICS**  
BICS10 #164277  
EXPIRES 12-31-24  
RCDD

**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**  
**VA** U.S. Department of Veterans Affairs

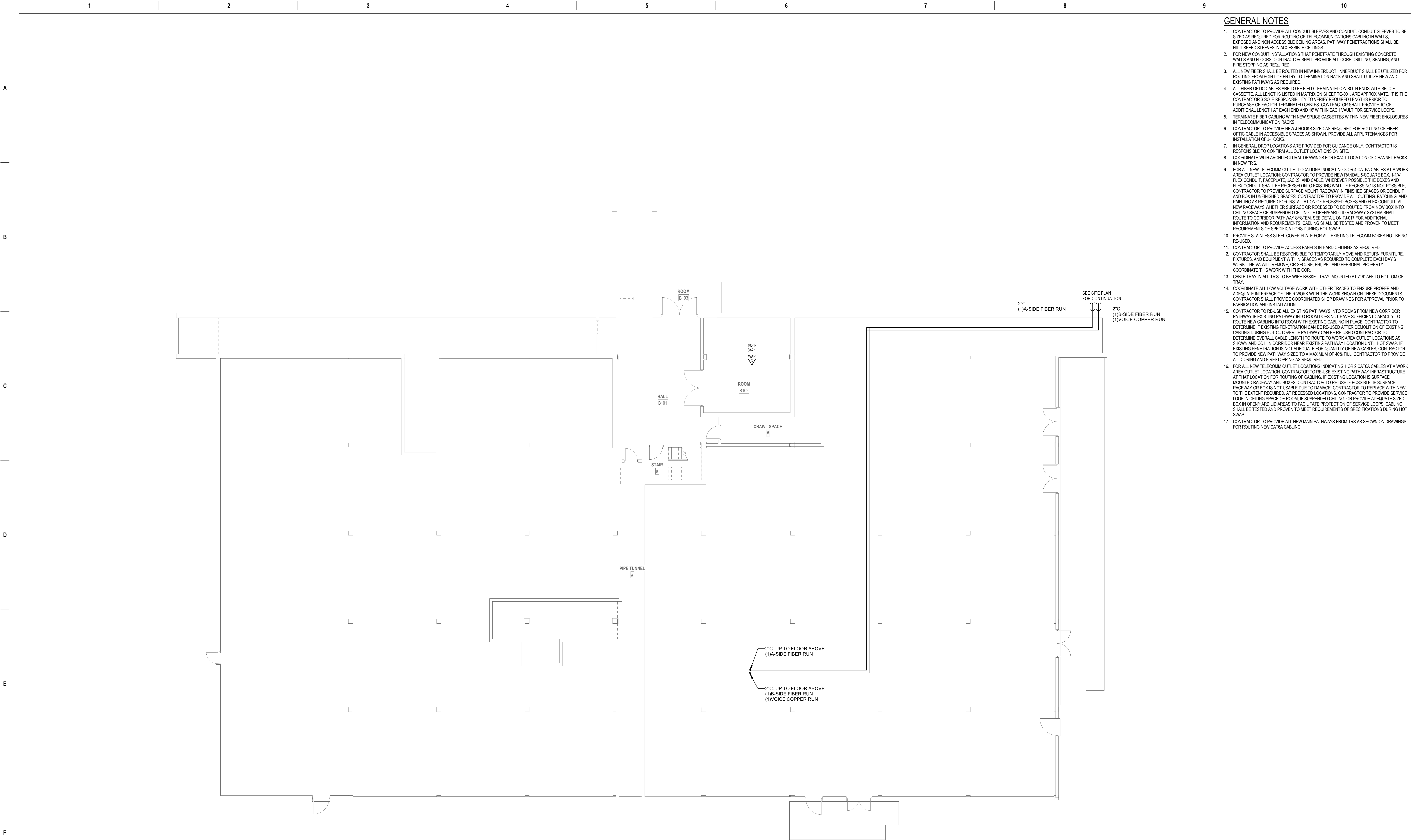
**DRAWING TITLE**  
146-TELECOM DEMOLITION PLAN - FIRST FLOOR  
**APPROVED:** Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

**PHASE**  
100% CONSTRUCTION DOCUMENTS  
**FLS**  
FULLY SPRINKLERED

**PROJECT TITLE**  
EHRM INFRASTRUCTURE UPGRADES  
**LOCATION**  
FORT MEADE, SOUTH DAKOTA  
**ISSUE DATE**  
11/05/2024  
**CHECKED BY**  
DJC  
**DRAWN BY**  
AH,RES



**PROJECT NUMBER**  
568-21-701  
**BUILDING NUMBER**  
146  
**DRAWING NUMBER**  
146-TD-011





- GENERAL NOTES**
- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS. EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRATIONS SHALL BE HILT SPEED SLEEVES IN ACCESSIBLE CEILINGS.
  - FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
  - ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
  - ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 18" WITHIN EACH VAULT FOR SERVICE LOOPS.
  - TERMINATE FIBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES IN TELECOMMUNICATION RACKS.
  - CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APURTENANCES FOR INSTALLATION OF J-HOOKS.
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  - FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO PROVIDE NEW RANDAL S-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPENHARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON T-017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
  - PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
  - CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
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  - CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
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  - CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

**1 TELECOM REMODEL PLAN - BLDG 146 BASEMENT**  
1/8" = 1'-0"

Revisions:	Date:	<b>CONSULTANT</b> <u>LOW VOLTAGE</u> GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 DAVE CLEM, RCDD	<b>ARCHITECT/ENGINEER OF RECORD</b> <u>A/E</u> GDM 1308 NE 134TH ST SUITE 4 VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE	<b>STAMP</b> 	<b>OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT</b>  	DRAWING TITLE <b>146 - TELECOM REMODEL PLAN - BASEMENT</b>	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES		PROJECT NUMBER 568-21-701	
						APPROVED: Project Director	FLS	LOCATION FORT MEADE, SOUTH DAKOTA		BUILDING NUMBER 146	
						FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024		DRAWN BY AH	
							FULLY SPRINKLERED	CHECKED BY DJC		DRAWN BY AH	
										<b>146-TN-0B1</b>	



GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRATIONS SHALL BE HILTI SPEED SLEEVES IN ACCESSIBLE CEILINGS.
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- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.
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- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

1 FIRST FLOOR DISTANCE ASSESMENT

1" = 30'-0"



Revisions:	Date:

CONSULTANT

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STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



U.S. Department  
of Veterans Affairs

DRAWING TITLE

146 - TELECOM DISTANCE  
ASSESMENT

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

AH

PROJECT NUMBER

568-21-701

BUILDING NUMBER

146

DRAWING NUMBER

146-TN-010

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RACK EQUIPMENT SCHEDULE - 1-RACK TR			
EQUIPMENT	QTY	TYPE	PART #
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL
UPS	1	5KVA	XTREME UPS #MB0C-255K OR APPROVED EQUAL (NOTE 5)
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #EX11A-S48 OR APPROVED EQUAL (NOTE 4)
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANAGER	#MM20/MD706-W OR APPROVED EQUAL
PDU	2	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKETS #59221-650 OR APPROVED EQUAL

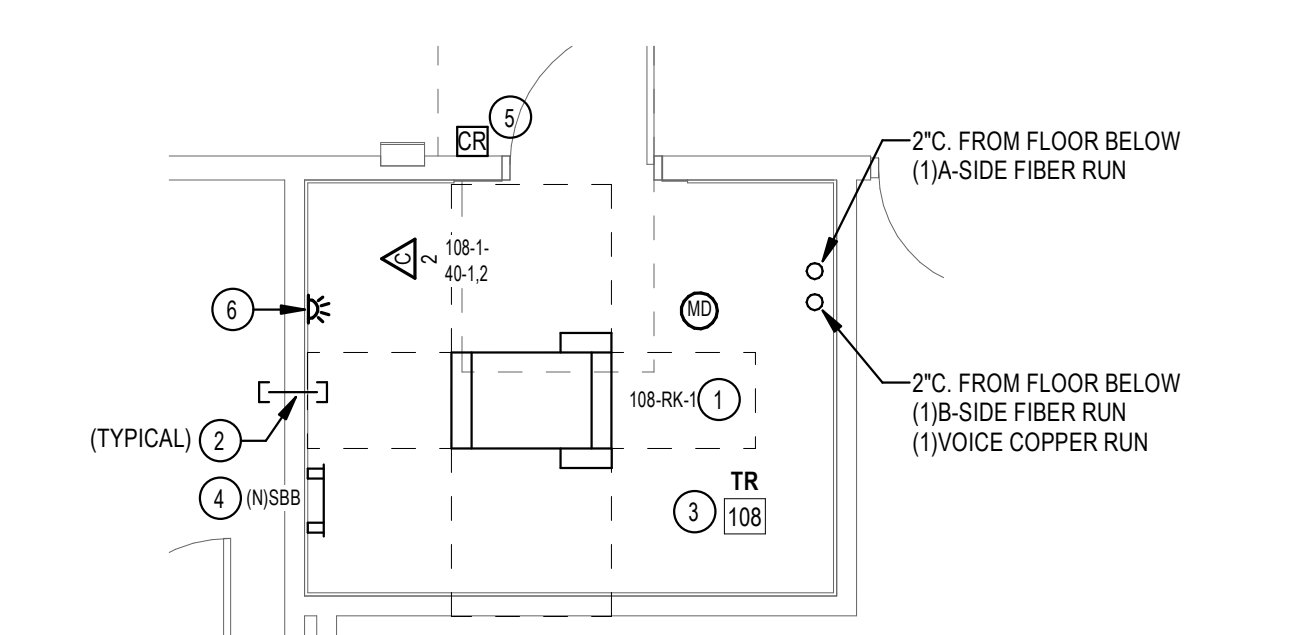
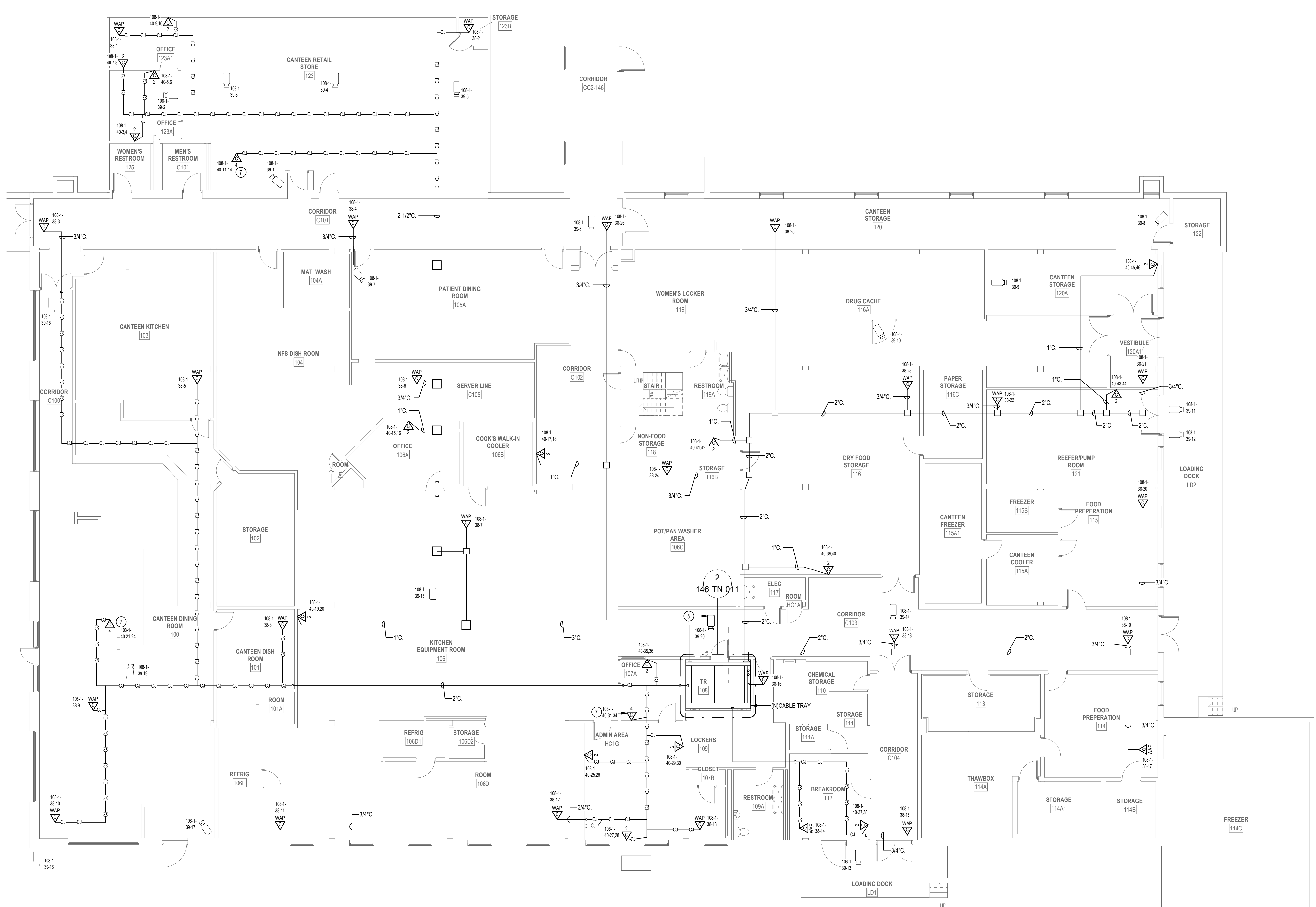
NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.  
1. SEE FIBER ONE LINE DIAGRAM ON SHEETS TJ-001 AND TJ-002 FOR ADDITIONAL INFORMATION.  
2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT.  
3. SEE FLOOR PLAN FOR QUANTITIES.  
4. PROVIDE LEVITON #E2XHD-CMB REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.  
5. PROVIDE UPS WITH POWER CORD, RECEPTACLE PANEL, WEBSMTP CARD, AND 4-POST RAIL KIT.

KEY NOTES

1. PROVIDE NEW CHANNEL RACK, FIBER ENCLOSURES, UPS, PATCH PANELS, CABLE MANAGERS, AND PDUS. SEE RACK EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE HILTI FIRESTOP SPEED SLEEVE.
3. PROVIDE VERTICAL CABLE SUPPORTS FROM CONDUIT/SLEEVE TO COMMUNICATION RACK.
4. PROVIDE BONDING BUSBAR (CPI #40153-010 OR APPROVED EQUAL) AND BONDING IN ALL TR ROOMS. SEE SHEET TJ-021 THROUGH TJ-025 FOR ADDITIONAL INFORMATION.
5. PROVIDE NEW WIRING TO NEW CARD READER FROM EXISTING ACCESS CONTROL PANEL AND PROVIDE NEW ELECTRICAL STRIKE. PROVIDE 1" CONDUIT AND BOXES AS REQUIRED.
6. PROVIDE FIRE ALARM STROBE. CONNECT TO NEAREST NAC CIRCUIT.
7. THIRD JACK INTENDED FOR FAX, PRINTER, CREDIT CARD MACHINE, OR ANALOG PHONE USE. CONFIRM DESIRED LOCATION WITH COR PRIOR TO INSTALLATION.
8. PROVIDE NEW CAMERA. SEE SPECIFICATIONS SECTION 28 23 00 AND SHEET TJ-016 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

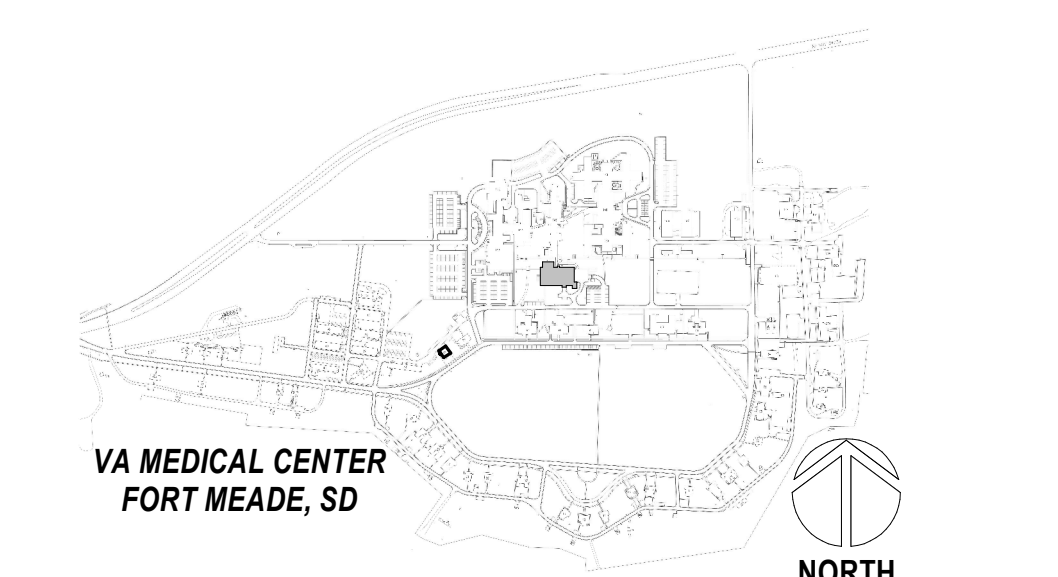
GENERAL NOTES

1. CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS. EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRATIONS SHALL BE HILT SPEED SLEEVES IN ACCESSIBLE CEILINGS.
2. FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
3. ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
4. ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICING CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTORY TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.
5. TERMINATE FIBER CABLING WITH NEW SPLICING CASSETTES WITHIN NEW FIBER ENCLOSURES IN TELECOMMUNICATION RACKS.
6. CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APURTENANCES FOR INSTALLATION OF J-HOOKS.
7. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
8. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRS.
9. FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO PROVIDE NEW RANAL S-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPENHARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
10. PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
11. CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
12. CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
13. CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
14. COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
15. CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT OUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.
16. FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES, CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE, CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPENHARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
17. CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.



2 ENLARGED PLAN - RM. 108  
1/4" = 1'-0"

PROJECT KEY PLAN



1 TELECOM REMODEL PLAN - BLDG 146 FIRST FLOOR  
1/8" = 1'-0"

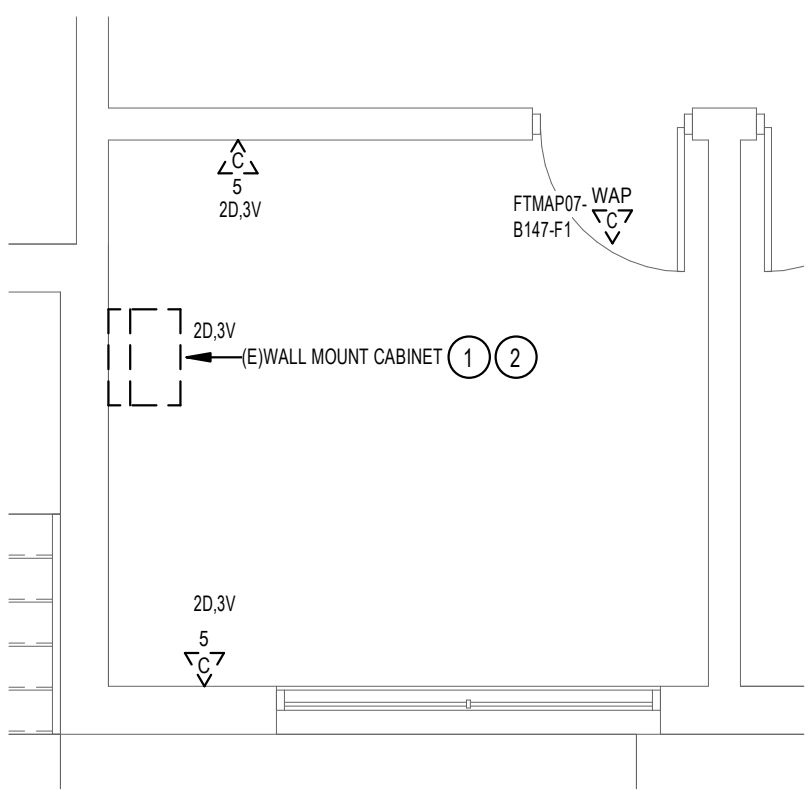
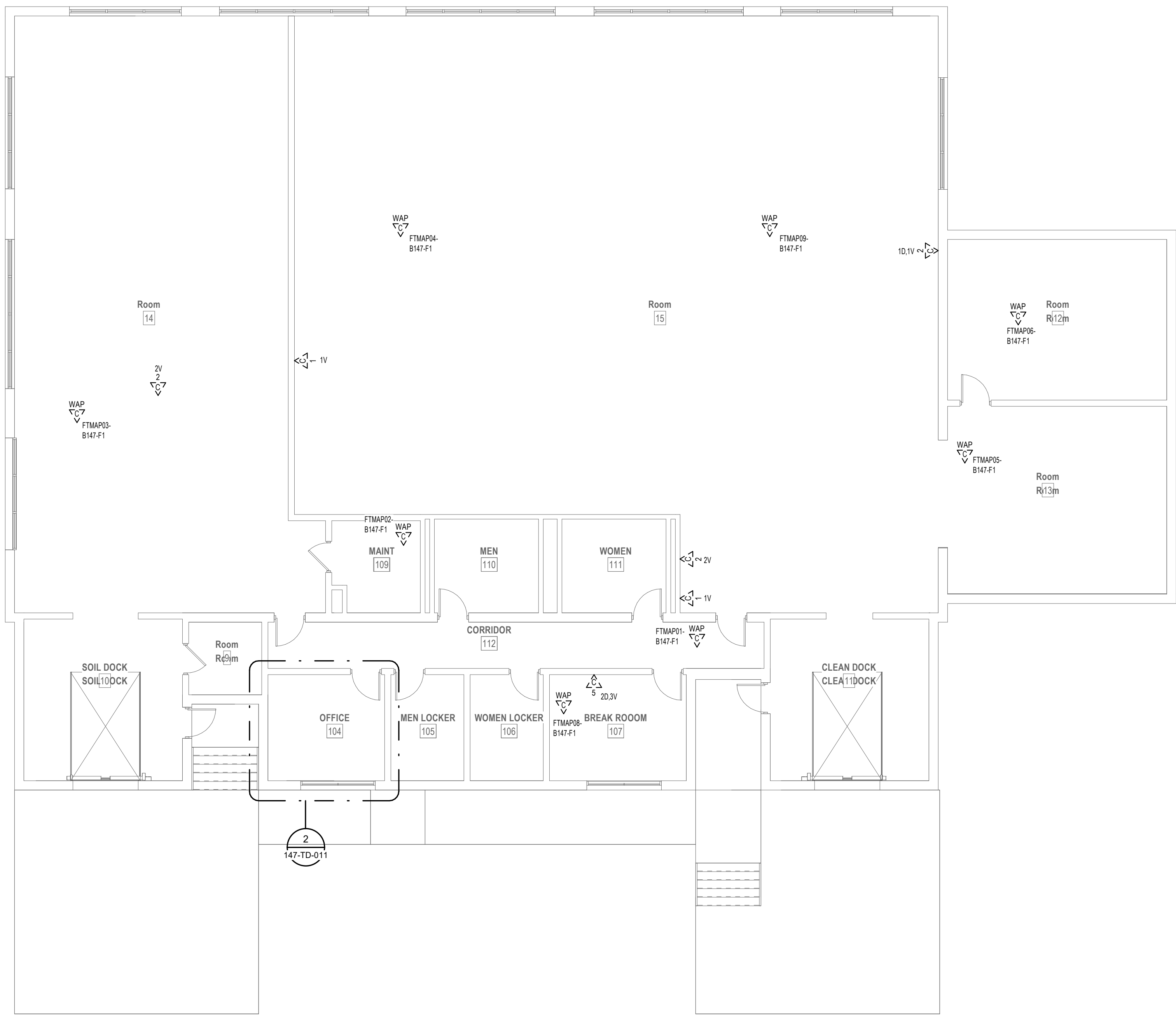
Revisions:		Date:	CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT		DRAWING TITLE		PHASE		PROJECT TITLE		PROJECT NUMBER	
			LOW VOLTAGE		A/E		BICSI		U.S. Department of Veterans Affairs		146-TELECOM REMODEL PLAN - FIRST FLOOR		100% CONSTRUCTION DOCUMENTS		EHRM INFRASTRUCTURE UPGRADES		568-21-701	
			GDM		GDM		BICSI 10 #164277				APPROVED: Project Director		FLS		LOCATION		BUILDING NUMBER	
			4317 6TH AVE SE, SUITE 300		1308 NE 134TH ST SUITE A		RCD						FULLY SPRINKLERED		FORT MEADE, SOUTH DAKOTA		146	
			LACEY, WA 98503		VANCOUVER, WA 98685										ISSUE DATE		DRAWING NUMBER	
			541.436.4723		541.436.4723										11/05/2024		146-TN-011	
			DAVE CLEM, RCDD		ADAM GODDIN, PE										CHECKED BY			
															DJC			
															AH,RES			

DEMOLITION GENERAL NOTES

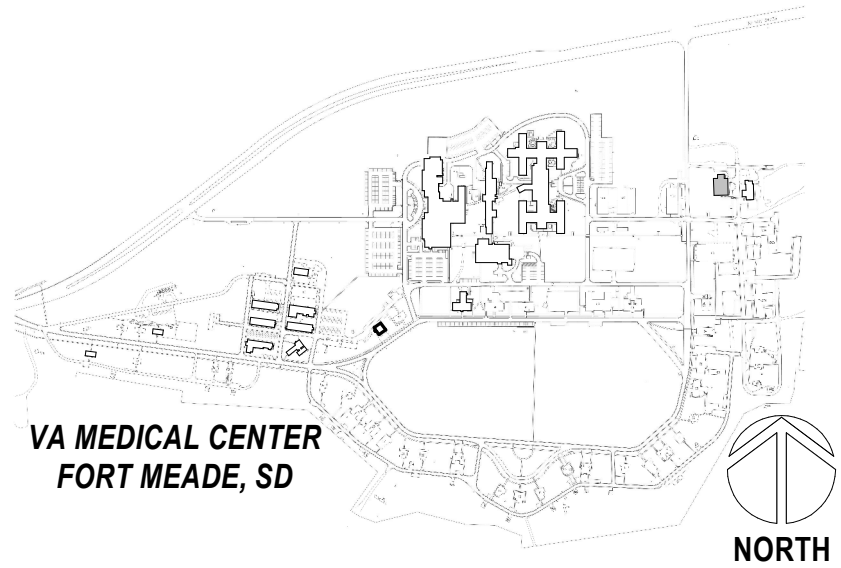
- 1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
- 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL.
- 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- 5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK," "OPEN," "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET.
- 7 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- 8 ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
- 9 DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS OUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
- 10 CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

- 1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED.
- 2 EXISTING FIBER PANEL FED BY EXISTING MCR TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK TO SOURCE.



PROJECT KEY PLAN



1 TELECOM DEMOLITION PLAN - BLDG 147 FIRST FLOOR  
1/8" = 1'-0"

2 ENLARGED DEMOLITION PLAN - TE RM 104  
1/4" = 1'-0"

Revisions:	Date:

**CONSULTANT**  
**LOW VOLTAGE**  
GDM  
4317 6TH AVE SE, SUITE 300  
LACEY, WA 98503  
541.436.4723  
DAVE CLEM, RCDD

**ARCHITECT/ENGINEER OF RECORD**  
**A/E**  
GDM  
1308 NE 134TH ST SUITE A  
VANCOUVER, WA 98685  
541.436.4723  
ADAM GODDIN, PE

**STAMP**  
**BICS**  
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER  
BICS110 #1642277  
EXPIRES 12-31-24  
RCDD

**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**  
**VA** U.S. Department  
of Veterans Affairs

**DRAWING TITLE**  
147-TELECOM DEMOLITION PLAN -  
FIRST FLOOR

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

**PHASE**  
100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

**PROJECT TITLE**  
EHRM INFRASTRUCTURE  
UPGRADES

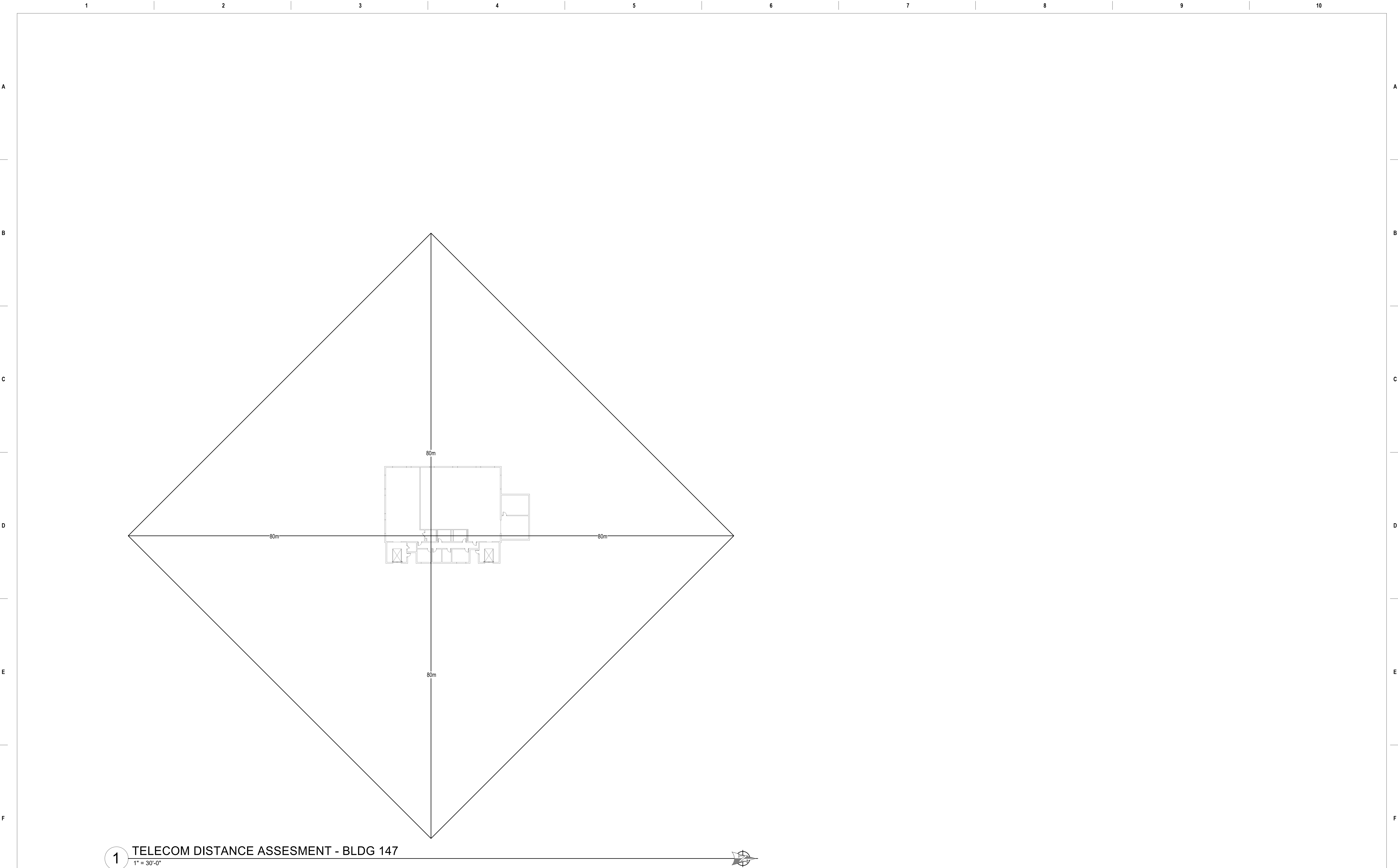
**LOCATION**  
FORT MEADE, SOUTH DAKOTA

**ISSUE DATE**  
11/05/2024

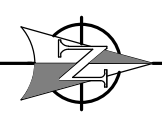
**CHECKED BY**  
DJC

**DRAWN BY**  
RES

**PROJECT NUMBER**  
568-21-701  
**BUILDING NUMBER**  
147  
**DRAWING NUMBER**  
147-TD-011



**1** TELECOM DISTANCE ASSESMENT - BLDG 147  
1" = 30'-0"



Revisions:		Date:	<b>CONSULTANT</b>		<b>ARCHITECT/ENGINEER OF RECORD</b>		<b>STAMP</b>		<b>OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT</b>		DRAWING TITLE		PHASE		PROJECT TITLE		PROJECT NUMBER			
			<u>LOW VOLTAGE</u>		<u>A/E</u>				<b>147 - TELECOM DISTANCE ASSESSMENT</b>		100% CONSTRUCTION DOCUMENTS		EHRM INFRASTRUCTURE UPGRADES		568-21-701					
		GDM		GDM		BUILDING NUMBER														
		4317 6TH AVE SE, SUITE 300		1308 NE 134TH ST SUITE A		147														
		LACEY, WA 98503		VANCOUVER, WA 98685		DRAWING NUMBER														
		541.436.4723		541.436.4723		147-TN-010														
		DAVE CLEM, RCDD		ADAM GODDIN, PE																
									U.S. Department of Veterans Affairs		FOR OFFICIAL USE ONLY (FOUO)		FLS		FULLY SPRINKLERED		LOCATION FORT MEADE, SOUTH DAKOTA			
											APPROVED: Project Director				ISSUE DATE 11/05/2024		CHECKED BY DJC		DRAWN BY AH	



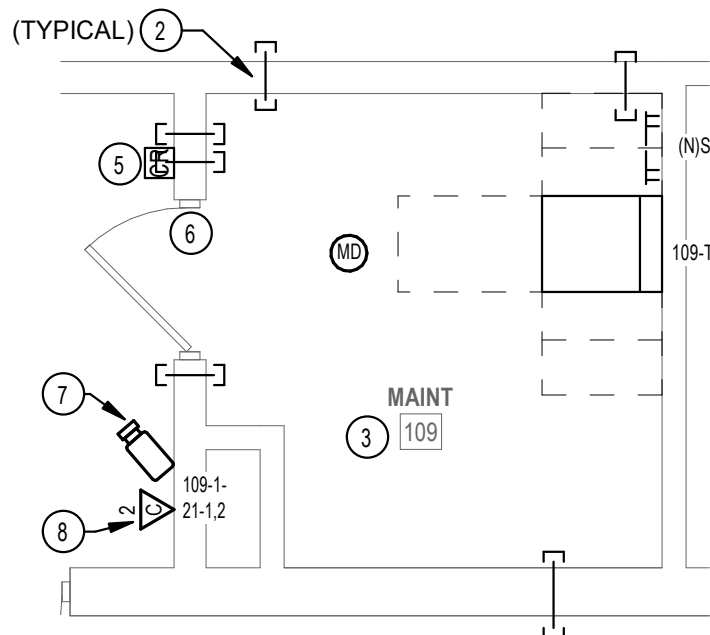
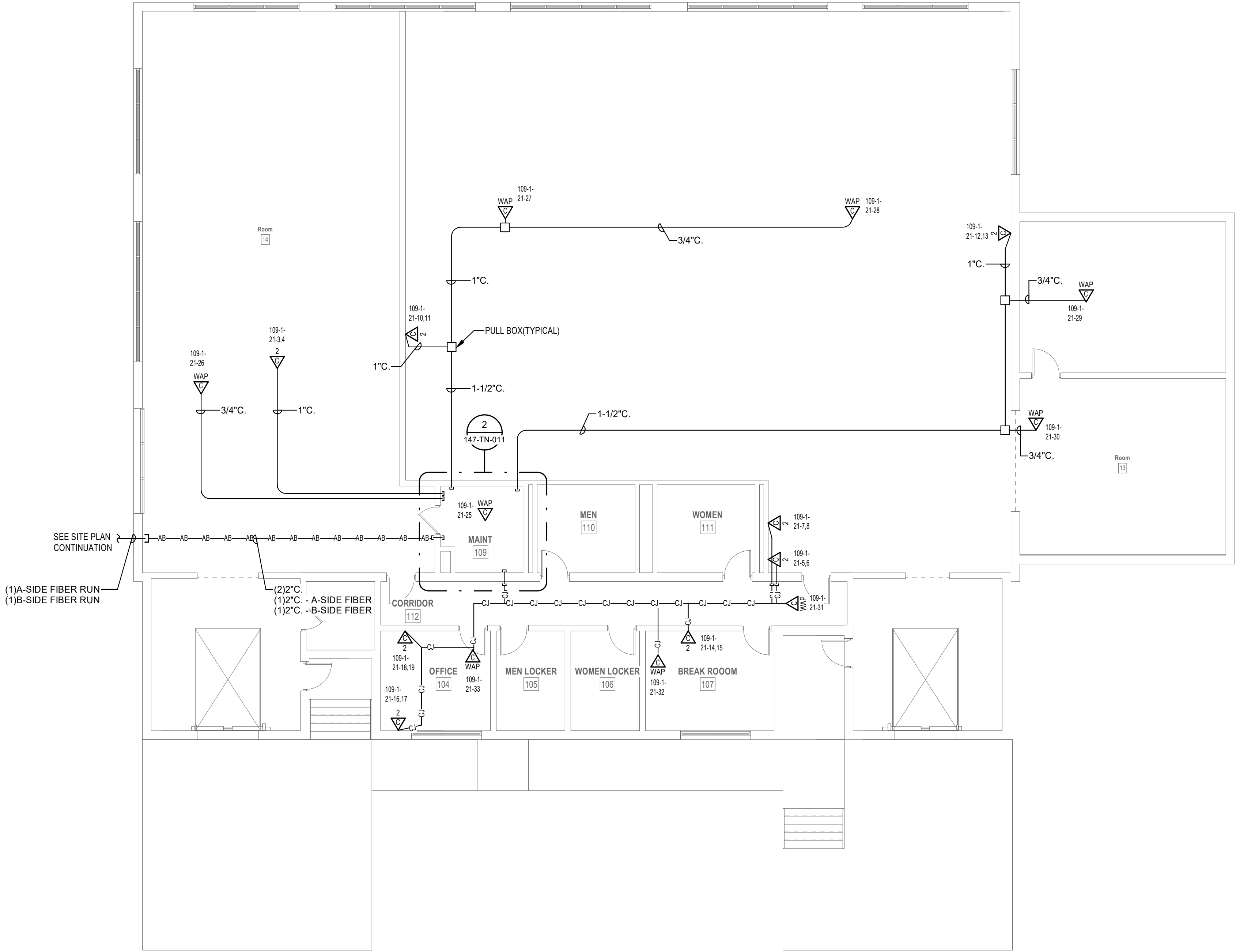
RACK EQUIPMENT SCHEDULE - WALL MOUNT CABINET			
EQUIPMENT	QTY	TYPE	PART #
RACK	1	WALL MOUNT CABINET	CUBE-IT 48"X24"X10"X30" WALL MOUNT CABINET WITH DUAL-FAN AND FILTER KIT
UPS	1	3KVA	APC SMOX3000RMLV2U
POU	2	1RU	APC AP9600
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 3)
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13830-701 OR APPROVED EQUAL
NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT. 1. SEE FIBER ONE LINE DIAGRAM ON SHEETS TJ-009 AND TJ-010 FOR ADDITIONAL INFORMATION. 2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT. 3. PROVIDE LEVITON #E2X1A-CMB REAR CABLE MANAGER FOR EVERY PATCH PANEL PROVIDED.			

GENERAL NOTES

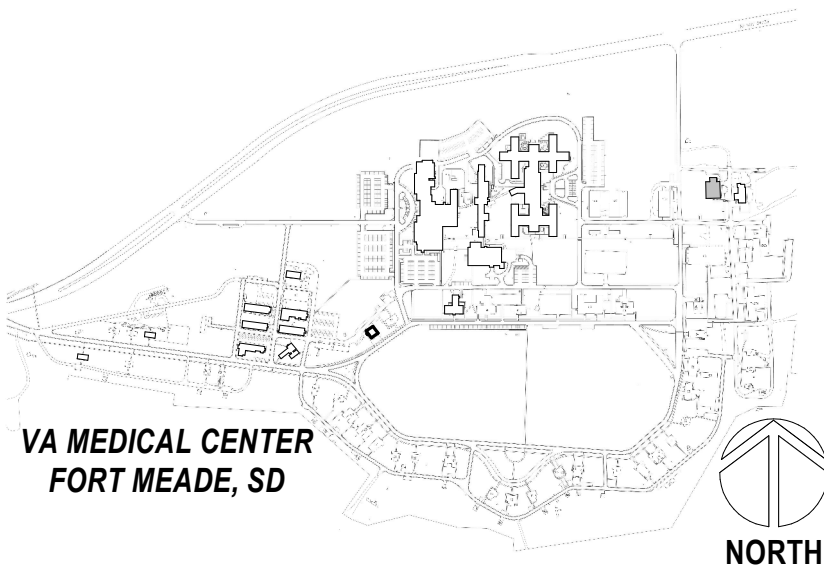
- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRATIONS SHALL BE HILT SPEED SLEEVES IN ACCESSIBLE CEILINGS.
- FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
- ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.
- TERMINATE FIBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES IN TELECOMMUNICATION RACKS.
- CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION OF J-HOOKS.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRS.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE, THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPENHARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON TJ-011 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED, CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES, CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE, CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM. IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPENHARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

KEY NOTES

- PROVIDE NEW WALL CABINET, FIBER ENCLOSURES, UPS, PATCH PANELS, AND CABLE MANAGERS. SEE RACK EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE HILT FIRESTOP SPEED SLEEVE.
- PROVIDE VERTICAL CABLE SUPPORTS FROM CONDUITS/SLEEVE TO COMMUNICATION RACK.
- PROVIDE BONDING BUSBAR C/P1 #40153-012 OR APPROVED EQUAL, AND BONDING IN ALL TRS ROOMS. SEE SHEET TJ-021 THROUGH TJ-025 FOR ADDITIONAL INFORMATION.
- PROVIDE NEW WIRING TO NEW CARD READER FROM EXISTING ACCESS CONTROL PANEL AND PROVIDE NEW ELECTRICAL STRIKE. PROVIDE 1" CONDUIT AND BOXES AS REQUIRED.
- SEE DETAIL ON SHEET TJ-016 "ACCESS CONTROL DETAIL" FOR ACCESS CONTROL DEVICES REQUIRED AT THIS DOOR.
- PROVIDE NEW CAMERA. SEE SPECIFICATIONS SECTION 28 23 00 AND SHEET TJ-016 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- PROVIDE NEW CAT6A CABLING AND JACKS ADJACENT TO NEW CAMERA.



PROJECT KEY PLAN



1 TELECOM REMODEL PLAN - BLDG 147 FIRST FLOOR

1/8" = 1'-0"

2 ENLARGED PLAN - RM.109

1/4" = 1'-0"

Revisions:	Date:

**CONSULTANT**  
**LOW VOLTAGE**  
GDM  
4317 6TH AVE SE, SUITE 300  
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DAVE CLEM, RCDD

**ARCHITECT/ENGINEER OF RECORD**  
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1308 NE 134TH ST SUITE A  
VANCOUVER, WA 98685  
541.436.4723  
ADAM GODDIN, PE

**STAMP**  
BICSI  
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER  
BICSI ID #164277  
EXPIRES 12-31-24  
RCDD

**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**  
VA U.S. Department of Veterans Affairs

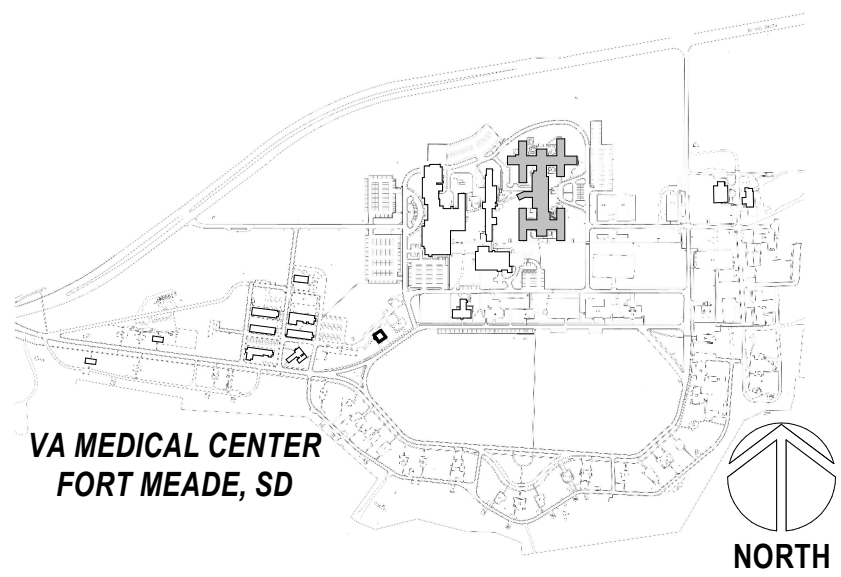
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147-TELECOM REMODEL PLAN - FIRST FLOOR  
**APPROVED:** Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

**PHASE**  
100% CONSTRUCTION DOCUMENTS  
**FLS**  
**FULLY SPRINKLERED**

**PROJECT TITLE**  
EHRM INFRASTRUCTURE UPGRADES  
**LOCATION**  
FORT MEADE, SOUTH DAKOTA  
**ISSUE DATE**  
11/05/2024  
**CHECKED BY**  
DJC  
**DRAWN BY**  
AH

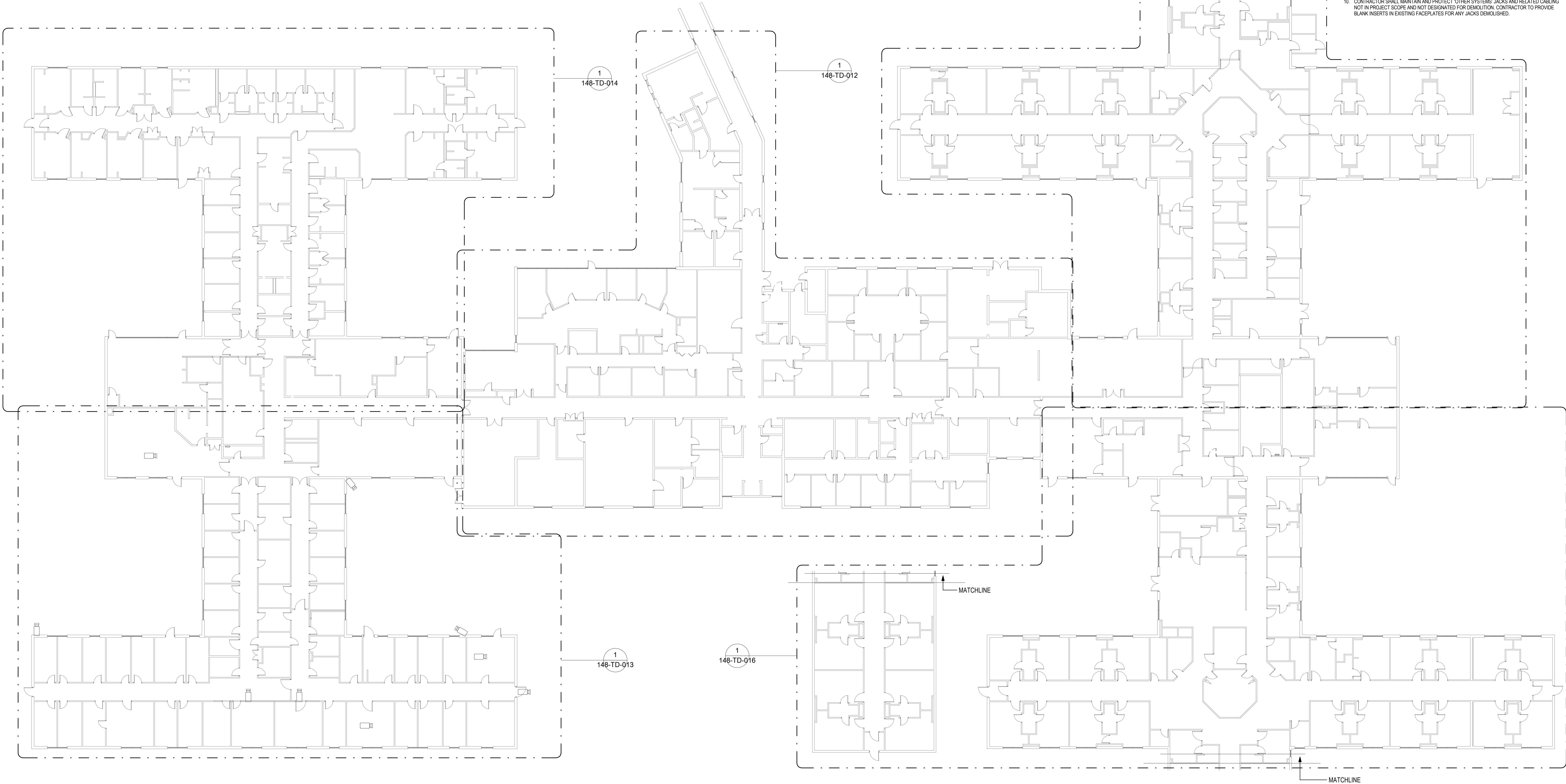
**PROJECT NUMBER**  
568-21-701  
**BUILDING NUMBER**  
147  
**DRAWING NUMBER**  
147-TN-011

PROJECT KEY PLAN

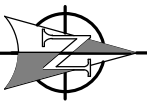


DEMOLITION GENERAL NOTES

- VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
- COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
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- CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK," "OPEN," "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
- DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
- CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS, JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.



1 TELECOM DEMOLITION PLAN - BLDG 148 FIRST FLOOR  
1/16" = 1'-0"



Revisions:	Date:

**CONSULTANT**  
**LOW VOLTAGE**  
GDM  
4317 6TH AVE SE, SUITE 300  
LACEY, WA 98503  
541.436.4723  
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ADAM GODDIN, PE



**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**  
**VA** U.S. Department  
of Veterans Affairs

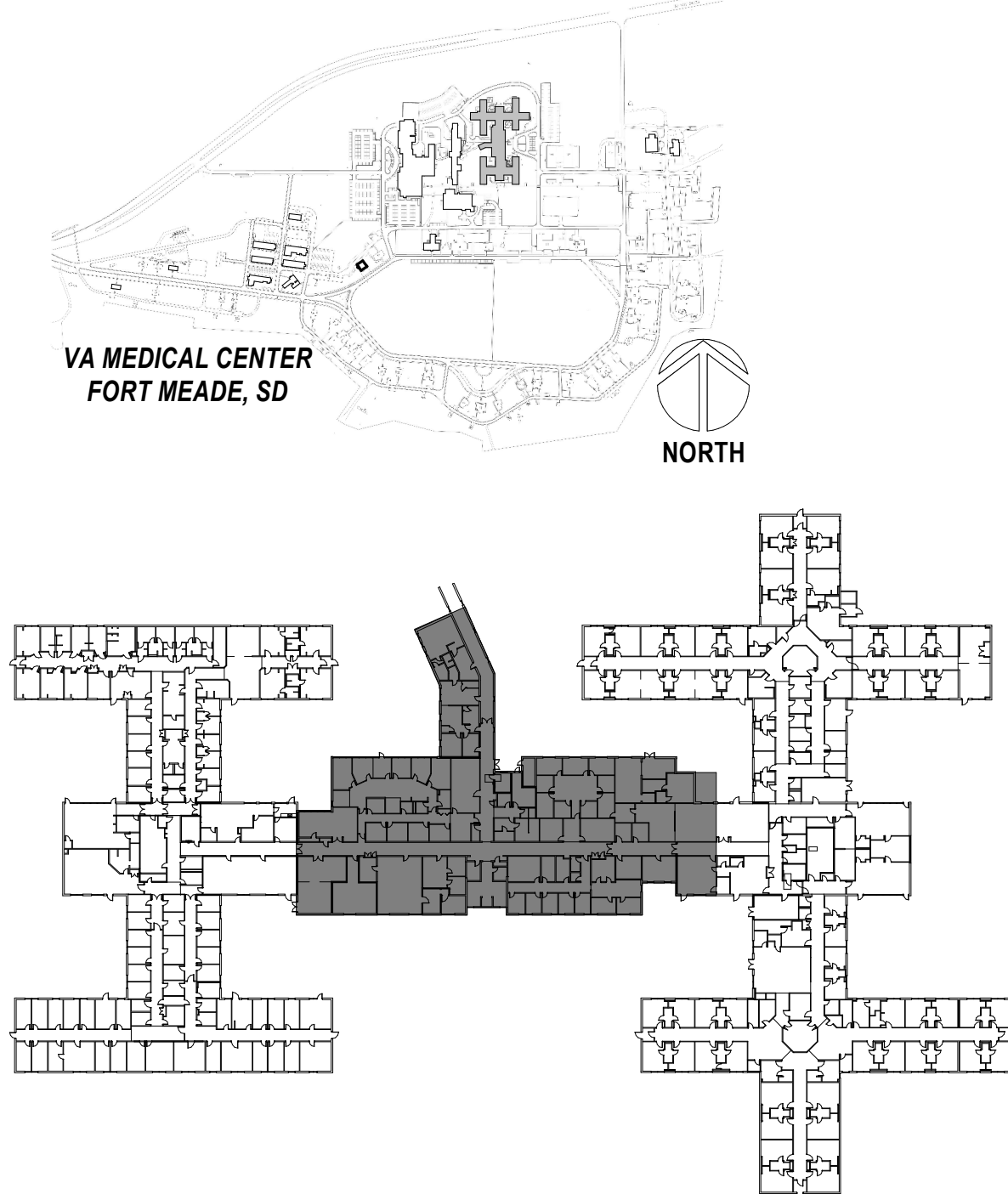
DRAWING TITLE  
**148-TELECOM DEMOLITION PLAN -  
FIRST FLOOR**  
APPROVED: Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

PHASE  
100% CONSTRUCTION  
DOCUMENTS  
FLS  
**FULLY SPRINKLERED**

PROJECT TITLE  
**EHRM INFRASTRUCTURE  
UPGRADES**  
LOCATION  
**FORT MEADE, SOUTH DAKOTA**  
ISSUE DATE  
11/05/2024  
CHECKED BY  
DJC  
DRAWN BY  
RES

PROJECT NUMBER  
**568-21-701**  
BUILDING NUMBER  
**148**  
DRAWING NUMBER  
**148-TD-011**

PROJECT KEY PLAN



B148 KEY PLAN A

1" = 100'-0"

ENLARGED DEMOLITION PLAN - TR RM ATC2

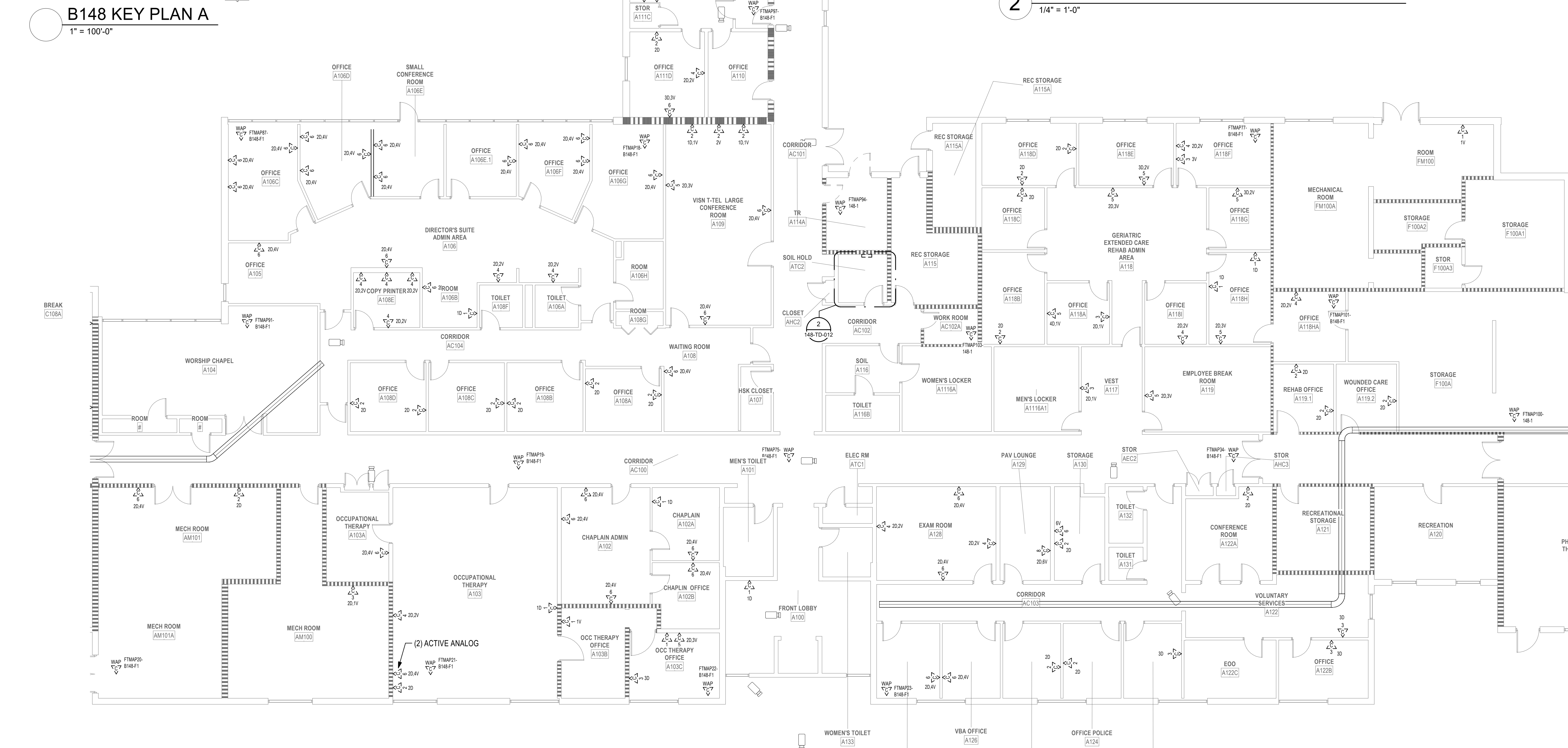
1/4" = 1'-0"

DEMOLITION GENERAL NOTES

1. VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
2. DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
3. COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL.
4. CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
5. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
6. CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLE TO EACH OUTLET.
7. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLEING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLEING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
10. CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS, JACKS AND RELATED CABLEING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

1. EXISTING TELECOMMUNICATIONS RACK TO BE REMOVED. REMOVE EXISTING PATCH PANELS AND ANY AUXILIARY EQUIPMENT IN EXISTING TELECOMM RACK. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLEING IS INSTALLED.
2. EXISTING FIBER 'L/U' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK TO SOURCE.
3. EXISTING COMMUNICATIONS BETS, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPICE POINT IN VAULT. REMOVAL OF EXISTING BETS, PUNCHBLOCKS AND BACKBONE CABLEING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.



TELECOM DEMOLITION PLAN - BLDG 148 FIRST FLOOR SECTOR A

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

**LOW VOLTAGE**  
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STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



DRAWING TITLE  
**148-TELECOM DEMOLITION PLAN  
- FIRST FLOOR SECTOR A**

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE  
100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE  
EHRM INFRASTRUCTURE  
UPGRADES

LOCATION  
FORT MEADE, SOUTH DAKOTA

ISSUE DATE  
11/05/2024

CHECKED BY  
DJC

DRAWN BY  
RES

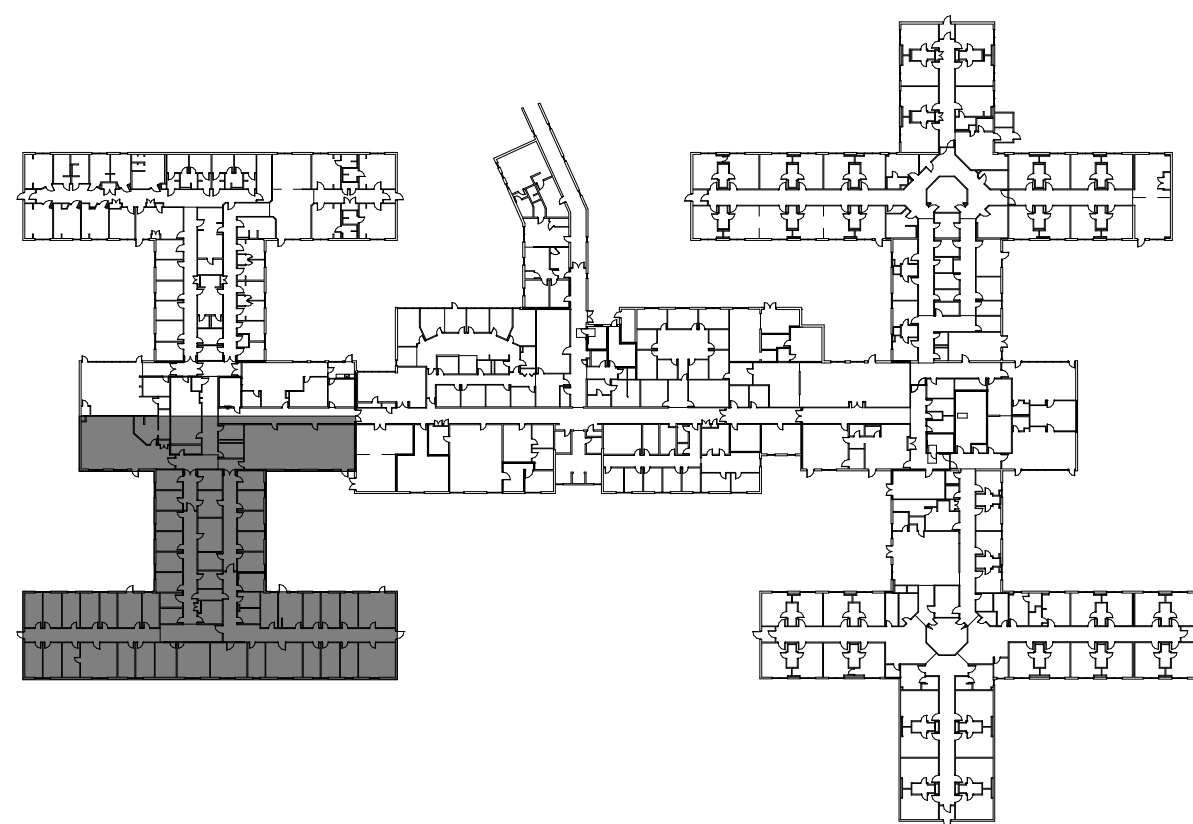
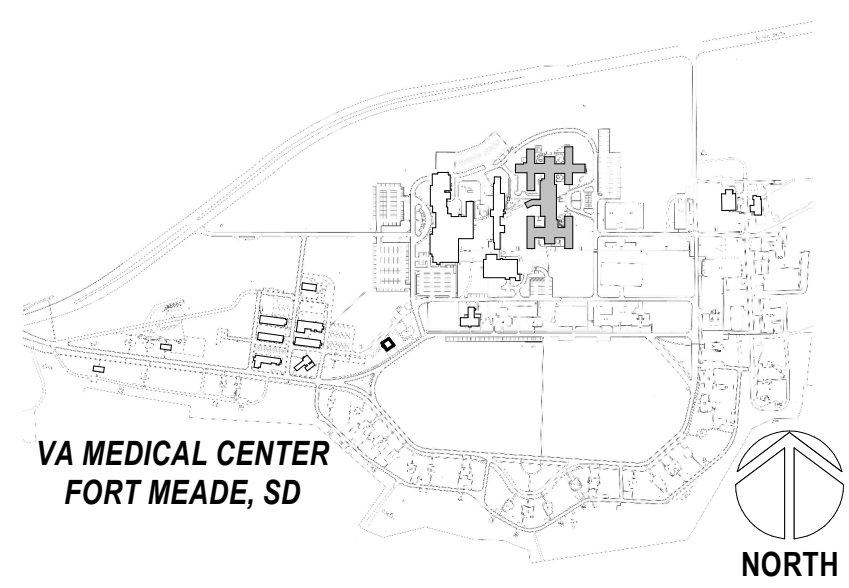
PROJECT NUMBER  
568-21-701

BUILDING NUMBER  
148

DRAWING NUMBER  
148-TD-012



PROJECT KEY PLAN



B148 KEY PLAN B

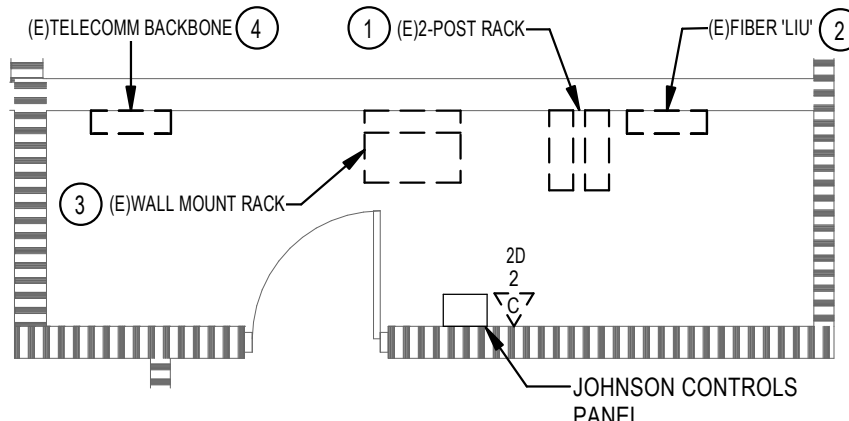
1" = 100'-0"

DEMOLITION GENERAL NOTES

- 1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
- 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- 4 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
- 5 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLE TO EACH OUTLET.
- 6 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
- 7 ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLEING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
- 8 DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLEING IS INSTALLED. TERMINATED AND VA HAS OUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
- 9 CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS' JACKS AND RELATED CABLEING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

- 1 EXISTING TELECOMMUNICATIONS RACK TO BE REMOVED. REMOVE EXISTING PATCH PANELS AND ANY AUXILIARY EQUIPMENT IN EXISTING TELECOMM RACK. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLEING IS INSTALLED.
- 2 EXISTING FIBER LIU TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK TO SOURCE.
- 3 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLEING IS INSTALLED.
- 4 EXISTING COMMUNICATIONS BELL, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING BELL, PUNCHBLOCKS AND BACKBONE CABLEING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.



2 ENLARGED DEMOLITION PLAN - TR RM CTC1

1/4" = 1'-0"

1 TELECOM DEMOLITION PLAN - BLDG 148 FIRST FLOOR SECTOR B

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

LOW VOLTAGE

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OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



DRAWING TITLE

148-TELECOM DEMOLITION PLAN -  
FIRST FLOOR SECTOR B

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

RES

PROJECT NUMBER

568-21-701

BUILDING NUMBER

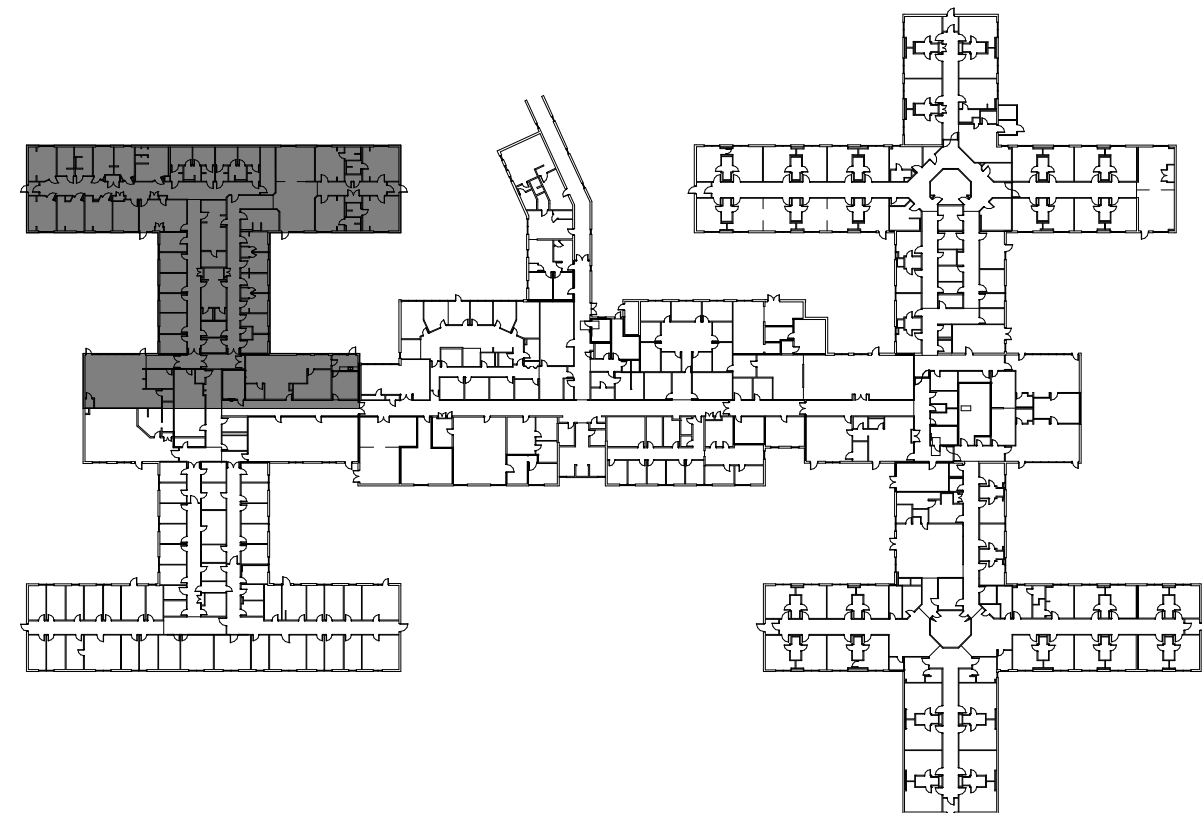
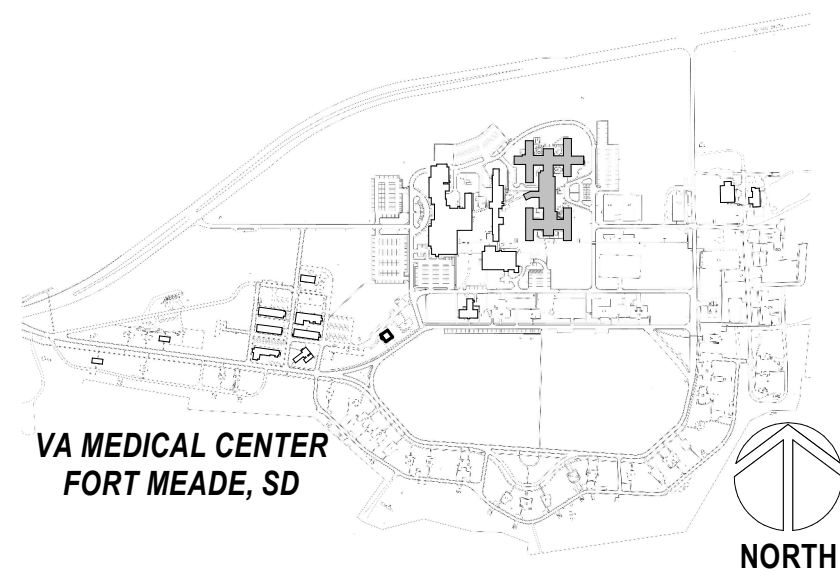
148

DRAWING NUMBER

148-TD-013



PROJECT KEY PLAN



B145 KEY PLAN C

1" = 100'-0"

DEMOLITION GENERAL NOTES

1. VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
2. DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
3. COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
4. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
5. CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES, ASSUME A MINIMUM OF 200 FT OF CABLE TO EACH OUTLET.
6. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
7. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLEING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
8. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLEING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
9. CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS' JACKS AND RELATED CABLEING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

NO WORK THIS AREA. UNDER CONSTRUCTION IN ANOTHER PROJECT.

1 TELECOM DEMOLITION PLAN - BLDG 148 FIRST FLOOR SECTOR D

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT

VA U.S. Department  
of Veterans Affairs

DRAWING TITLE

148-TELECOM DEMOLITION PLAN -  
FIRST FLOOR SECTOR C

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

ELSR ROOM

(AM100)

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

RES

PROJECT NUMBER

568-21-701

BUILDING NUMBER

148

DRAWING NUMBER

148-TD-014

PROJECT KEY PLAN

VA MEDICAL CENTER  
FORT MEADE, SD

NORTH

B148 KEY PLAN E

1" = 100'-0"

DEMOLITION GENERAL NOTES

1. VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
2. DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
3. COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL.
4. CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE OR SECURE, PFI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
5. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
6. CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 20FT OF CABLE TO EACH OUTLET.
7. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLE BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLEING IS INSTALLED, TERMINATED, AND VA HAS OUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND AIE TEAM.
10. CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS' JACKS AND RELATED CABLEING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

TELECOM DEMOLITION PLAN - BLDG 148 FIRST FLOOR SECTOR E

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

LOW VOLTAGE

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ADAM GODDIN, PE



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OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT

VA U.S. Department  
of Veterans Affairs

DRAWING TITLE

148-TELECOM DEMOLITION PLAN -  
FIRST FLOOR SECTOR E

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

RES

PROJECT NUMBER

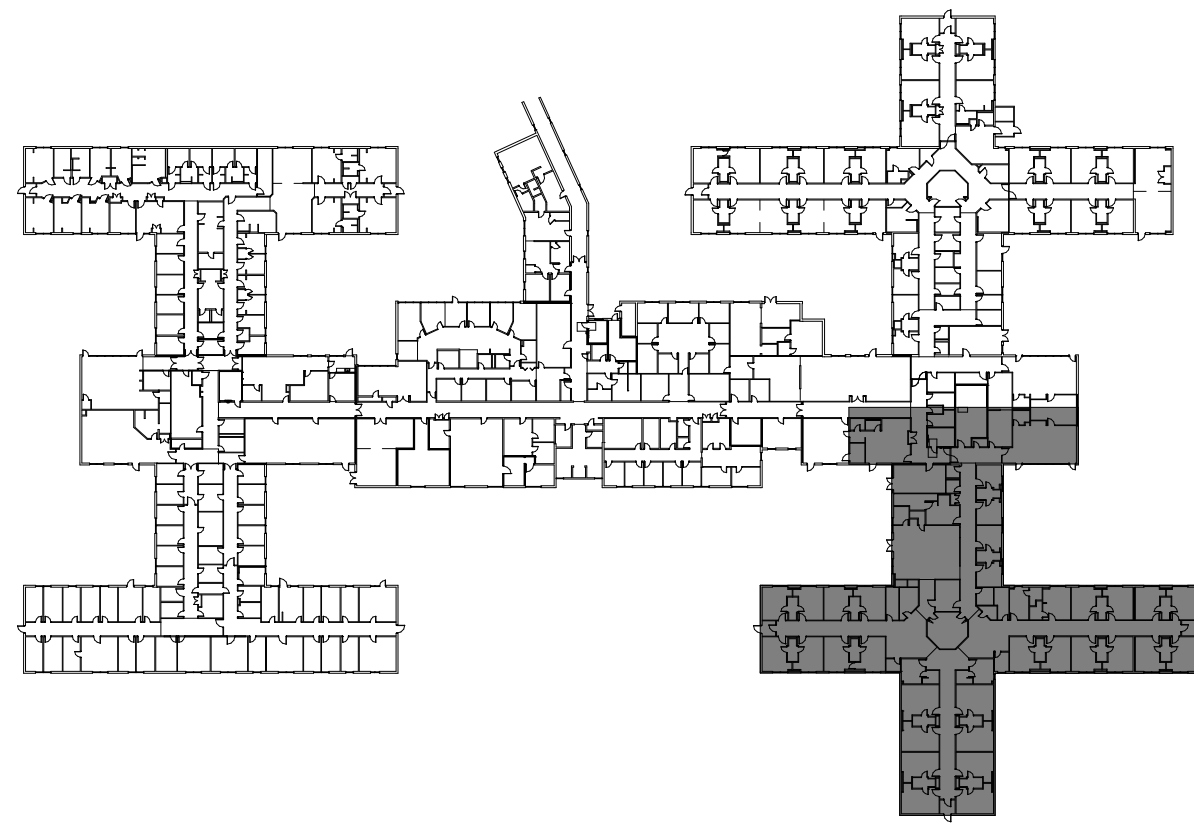
568-21-701

BUILDING NUMBER

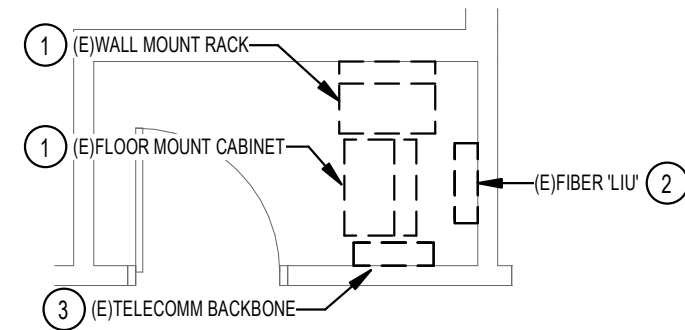
148

DRAWING NUMBER

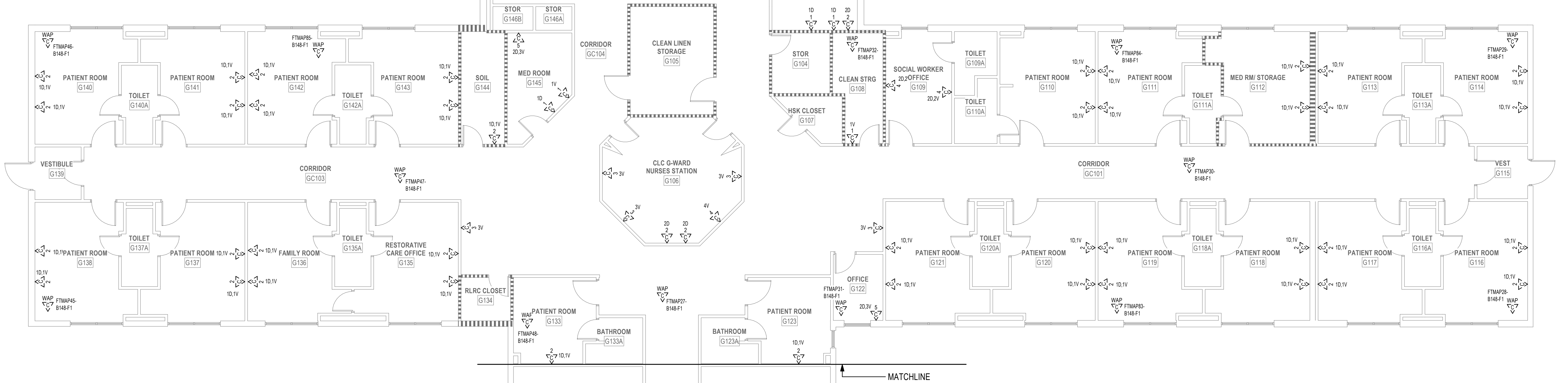
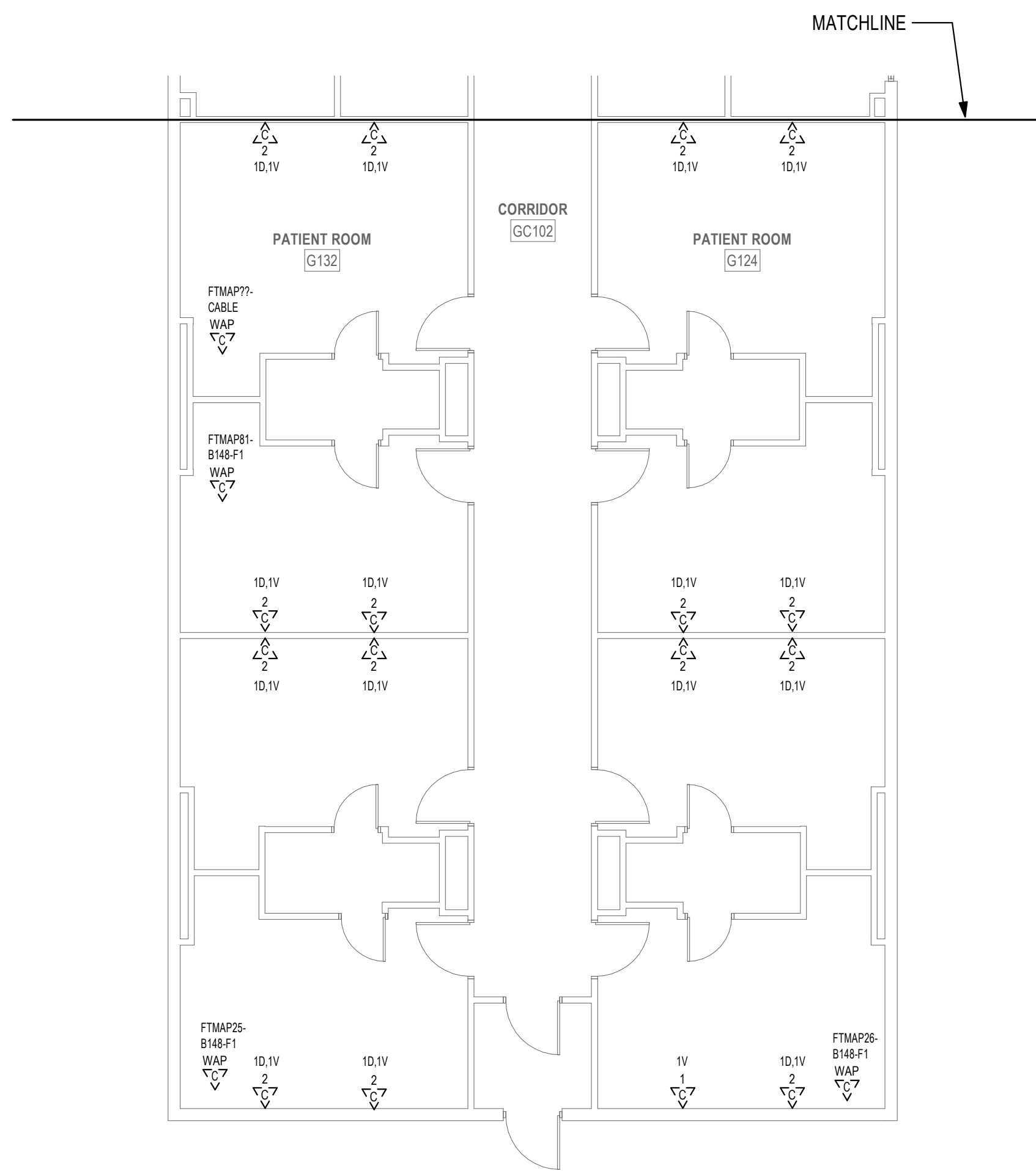
148-TD-015



B148 KEY PLAN F  
1" = 100'-0"

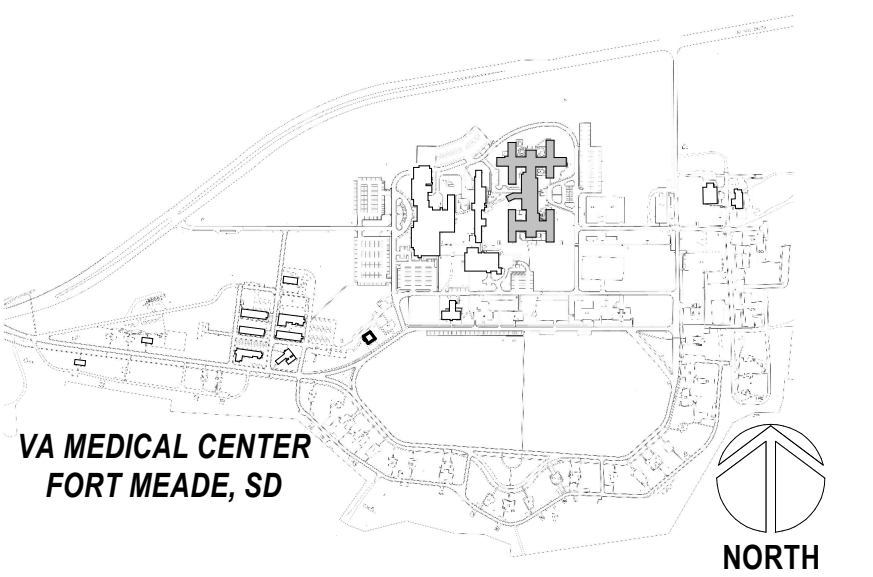


2 ENLARGED DEMOLITION PLAN - TE RM FTC1  
1/4" = 1'-0"



1 TELECOM DEMOLITION PLAN - BLDG 148 FIRST FLOOR SECTOR G  
1/8" = 1'-0"

PROJECT KEY PLAN



Revisions:	Date:

**CONSULTANT**  
**LOW VOLTAGE**  
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**ARCHITECT/ENGINEER OF RECORD**  
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VANCOUVER, WA 98685  
541.436.4723  
ADAM GODDIN, PE



**STAMP**  
COMMUNICATIONS DISTRIBUTION DESIGN  
**BICSI**  
BICSI ID #164277  
EXPIRES 12-31-24  
RCDD

**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**  
**VA** U.S. Department  
of Veterans Affairs

DRAWING TITLE  
148-TELECOM DEMOLITION PLAN -  
FIRST FLOOR SECTOR G  
APPROVED: Project Director  
FOR OFFICIAL USE ONLY (FOUO)

PHASE  
100% CONSTRUCTION  
DOCUMENTS  
FLS  
FULLY SPRINKLERED

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER 568-21-701
LOCATION FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER 148
ISSUE DATE 11/05/2024	DRAWN BY RES
CHECKED BY DJC	DRAWING NUMBER 148-TD-016

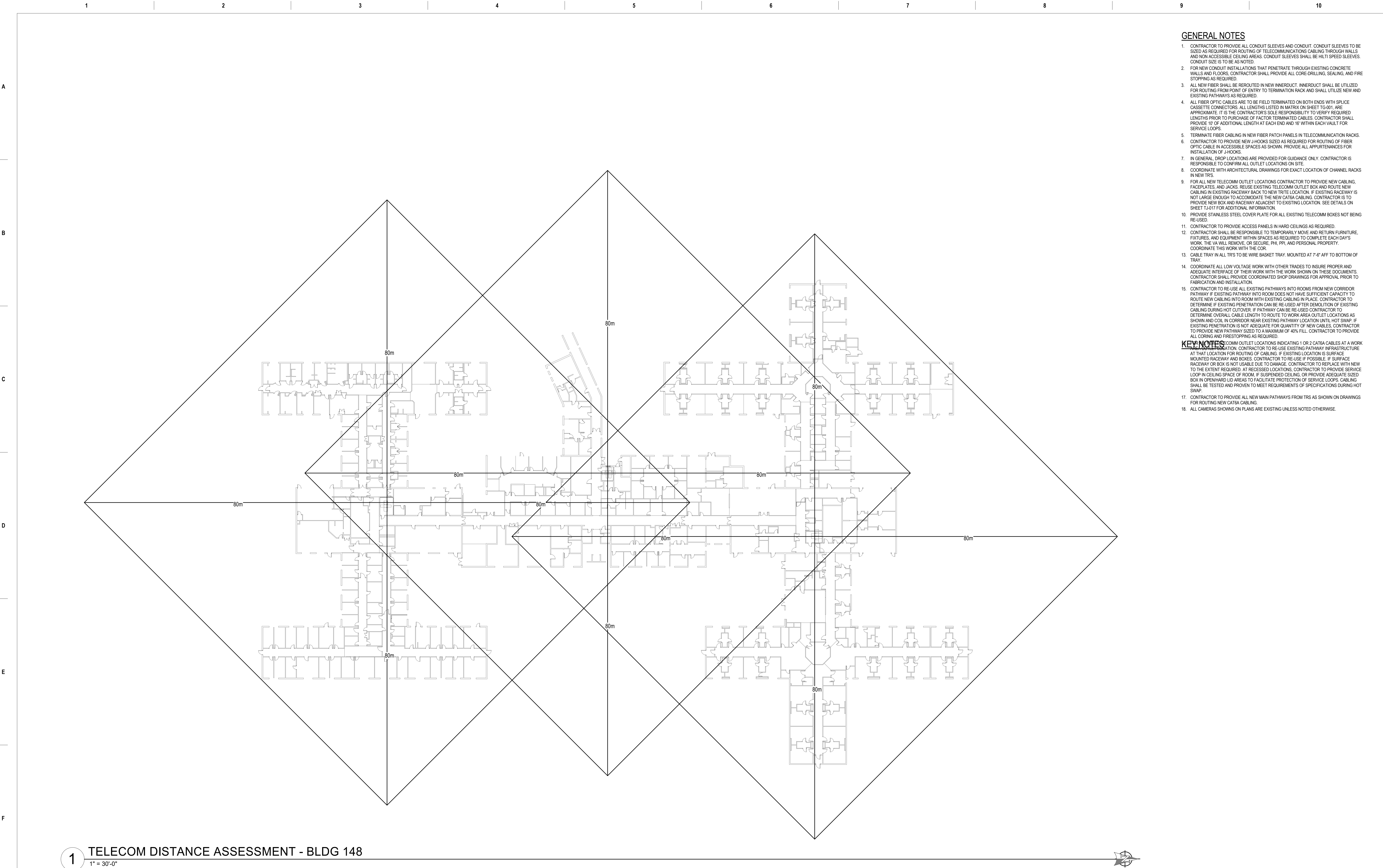
DEMOLITION GENERAL NOTES

- VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
- COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PII, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
- CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLEING TO EACH OUTLET.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON-SITE.
- ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLEING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
- DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLEING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
- CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS JACKS AND RELATED CABLEING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

- EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLEING IS INSTALLED.
- EXISTING FIBER LJV TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK TO SOURCE.
- EXISTING COMMUNICATIONS BETA, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPICE POINT IN VAULT. REMOVAL OF EXISTING BETA, PUNCHBLOCKS AND BACKBONE CABLEING TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.





GENERAL NOTES


- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING THROUGH WALLS AND NON ACCESSIBLE CEILING AREAS. CONDUIT SLEEVES SHALL BE HLTI SPEED SLEEVES. CONDUIT SIZE IS TO BE AS NOTED.
- FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
- ALL NEW FIBER SHALL BE REROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE CONNECTORS. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 1' OF ADDITIONAL LENGTH AT EACH END AND 1' WITHIN EACH VAULT FOR SERVICE LOOPS.
- TERMINATE FIBER CABLING IN NEW FIBER PATCH PANELS IN TELECOMMUNICATION RACKS.
- CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION OF J-HOOKS.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRS.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS CONTRACTOR TO PROVIDE NEW CABLING, FACEPLATES, AND JACKS. REUSE EXISTING TELECOMM OUTLET BOX AND ROUTE NEW CABLING IN EXISTING RACEWAY BACK TO NEW TRITE LOCATION. IF EXISTING RACEWAY IS NOT LARGE ENOUGH TO ACCOMMODATE THE NEW CAT6A CABLING, CONTRACTOR IS TO PROVIDE NEW BOX AND RACEWAY ADJACENT TO EXISTING LOCATION. SEE DETAILS ON SHEET TJ-017 FOR ADDITIONAL INFORMATION.
- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.

**KEY NOTES**

CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.

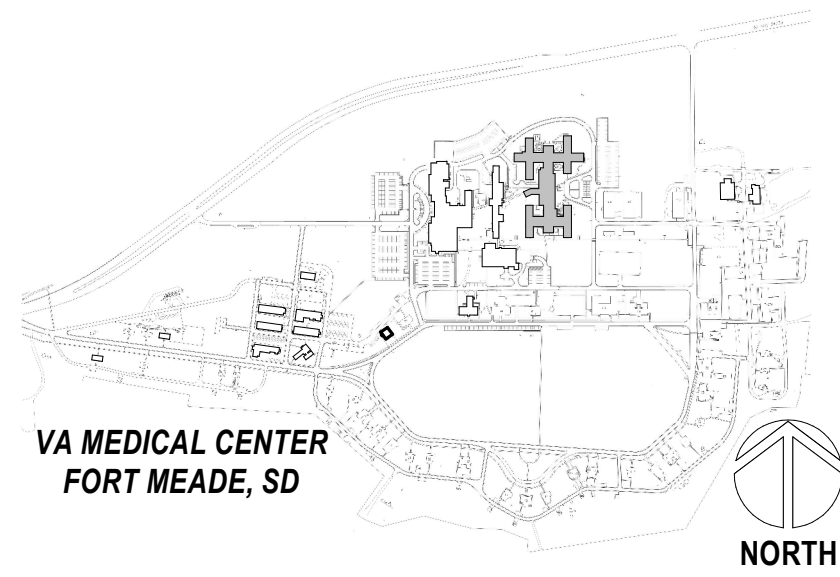
1 TELECOM DISTANCE ASSESSMENT - BLDG 148

1" = 30'-0"

Revisions:	Date:	<b>CONSULTANT</b> <u>LOW VOLTAGE</u> GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98603 541.436.4723 DAVE CLEM, RCDD	<b>ARCHITECT/ENGINEER OF RECORD</b> <u>A/E</u> GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE	<b>STAMP</b>  REGISTERED TELECOMMUNICATIONS DISTRIBUTION DESIGNER BICSI ID #164277 EXPIRES 12-31-24 RCDD	<b>OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT</b>  <b>VA</b> U.S. Department of Veterans Affairs	DRAWING TITLE 148 - TELECOM DISTANCE ASSESSMENT	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER 568-21-701
						APPROVED: Project Director	FLS	LOCATION FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER 148
						FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	DRAWN BY AH
								CHECKED BY DJC	DRAWN BY AH
									<b>148-TN-010</b>



PROJECT KEY PLAN



3 TELECOM REMODEL PLAN - BLDG 148 OVERALL  
1" = 160'-0"

1  
148-TN-014

SEE SITE PLAN  
FOR CONTINUATION

(3)A-SIDE FIBER RUNS

(E)CABLE TRAY

(2)A-SIDE FIBER RUNS

(1)A-SIDE FIBER RUNS

(1)B-SIDE FIBER RUNS  
(1)VOICE COPPER RUNS

(1)A-SIDE FIBER RUNS

(1)B-SIDE FIBER RUNS  
(1)VOICE COPPER RUNS

(1)B-SIDE FIBER RUNS  
(1)VOICE COPPER RUNS

(3)B-SIDE FIBER RUNS AND (3)VOICE COPPER RUNS  
ROUTED FROM BUS VIA EXISTING PATHWAY.  
SEE SITE PLAN AND SHEET 148-TN-010 FOR CONTINUATION.

(2)B-SIDE FIBER RUNS  
(2)VOICE COPPER RUNS

(1)B-SIDE FIBER RUNS  
(1)VOICE COPPER RUNS

1

148-TN-015

1

148-TN-012

1

148-TN-013

1

148-TN-016

MATCHLINE

(E)CABLE TRAY

MATCHLINE

1 TELECOM REMODEL PLAN - BLDG 148 FIRST FLOOR  
1/16" = 1'-0"

Revisions:	Date:

CONSULTANT

LOW VOLTAGE

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ADAM GODDIN, PE



STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



DRAWING TITLE

148-TELECOM REMODEL PLAN -  
FIRST FLOOR FIBER PLAN

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

AH

PROJECT NUMBER

568-21-701

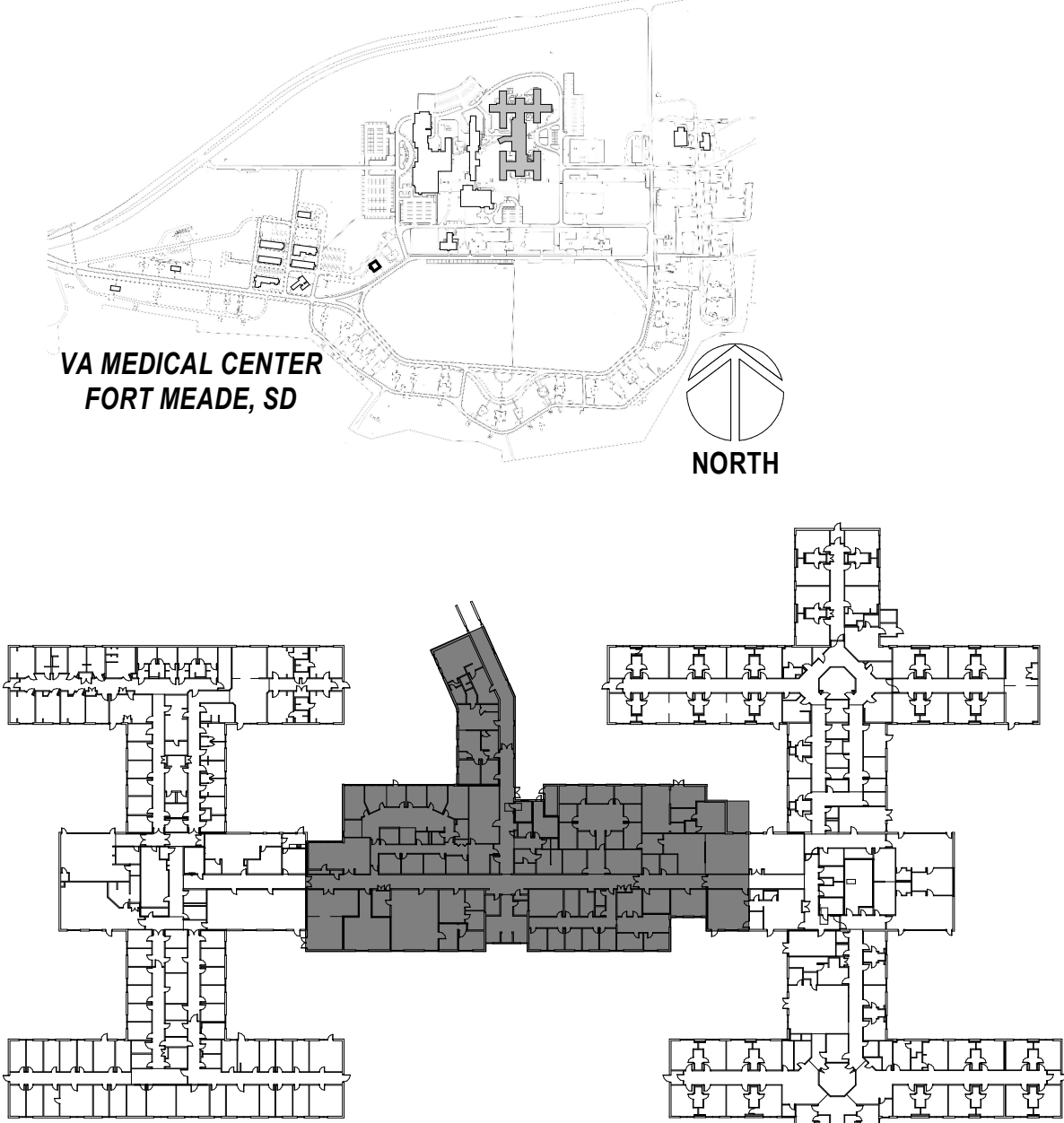
BUILDING NUMBER

148

DRAWING NUMBER

148-TN-011

## PROJECT KEY PLAN



## B148 KEY PLAN A

1" = 100'-0"

## 2 ENLARGED PLAN - RM. A114A

1/4" = 1'-0"

RACK EQUIPMENT SCHEDULE - 1-RACK TR			
EQUIPMENT	QTY	TYPE	PART #
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL
UPS	1	5KVA	XTREME UPS #MB8C-25SK OR APPROVED EQUAL (NOTE 5)
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #EX1A-S48 OR APPROVED EQUAL (NOTE 4)
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANGER	#MM20VM0706-W OR APPROVED EQUAL
PDU	2	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKETS #39221-E03 OR APPROVED EQUAL

NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.  
1. SEE FIBER ONE LINE DIAGRAM ON SHEETS T1-001 AND T1-002 FOR ADDITIONAL INFORMATION.  
2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT.  
3. SEE FLOOR PLAN FOR QUANTITIES.  
4. PROVIDE LEVITON #EX1A-S48 REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.  
5. PROVIDE UPS WITH POWER CORD, RECEPTACLE PANEL, WEBSMTP CARD, AND 4-POST RAIL KIT.

## GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING THROUGH WALLS AND NON ACCESSIBLE CEILING AREAS. CONDUIT SLEEVES SHALL BE HILTI SPEED SLEEVES. CONDUIT SIZE IS TO BE AS NOTED.
- FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
- ALL NEW FIBER SHALL BE REROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE CONNECTORS. ALL LENGTHS LISTED IN MATRIX ON SHEET T1-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 15' WITHIN EACH VAULT FOR SERVICE LOOPS.
- TERMINATE FIBER CABLING IN NEW FIBER PATCH PANELS IN TELECOMMUNICATION RACKS.
- CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION OF J-HOOKS.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRS.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS CONTRACTOR TO PROVIDE NEW CABLING, FACEPLATES, AND JACKS. REUSE EXISTING TELECOMM OUTLET BOX AND ROUTE NEW CABLING IN EXISTING RACEWAY BACK TO NEW TRITE LOCATION. IF EXISTING RACEWAY IS NOT LARGE ENOUGH TO ACCOMMODATE THE NEW CAT6A CABLING, CONTRACTOR IS TO PROVIDE NEW BOX AND RACEWAY ADJACENT TO EXISTING LOCATION. SEE DETAILS ON SHEET T1-017 FOR ADDITIONAL INFORMATION.
- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, FFI, PFI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES, CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE, CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM, IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPENHARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.
- ALL CAMERAS SHOWN ON PLANS ARE EXISTING UNLESS NOTED OTHERWISE.

## KEY NOTES

- PROVIDE NEW CHANNEL RACK, FIBER ENCLOSURES, UPS, PATCH PANELS, CABLE MANAGERS, AND PDUS. SEE RACK EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE HILTI FIRESTOP SPEED SLEEVE.
- PROVIDE VERTICAL CABLE SUPPORTS FROM CONDUITS/SLEEVE TO COMMUNICATION RACK.
- PROVIDE BONDING BUSBAR CFI #40153-012 OR APPROVED EQUAL, AND BONDING IN ALL TR ROOMS. SEE SHEET T1-021 THROUGH T1-025 FOR ADDITIONAL INFORMATION.
- PROVIDE NEW WIRING TO NEW CARD READER FROM EXISTING ACCESS CONTROL PANEL AND PROVIDE NEW ELECTRICAL STROKE. PROVIDE 1" CONDUIT AND BOXES AS REQUIRED.
- SEE DETAIL ON SHEET T1-016 "ACCESS CONTROL DETAIL" FOR ACCESS CONTROL DEVICES REQUIRED AT THIS DOOR.
- PROVIDE FIRE ALARM STROKE. CONNECT TO NEAREST MAC CIRCUIT.
- THIRD JACK INTENDED FOR FAX, PRINTER, CREDIT CARD MACHINE, OR ANALOG PHONE USE. CONFIRM DESIRED LOCATION WITH COR PRIOR TO INSTALLATION.
- PROVIDE NEW CAMERA. SEE SPECIFICATIONS SECTION 28.23.00 AND SHEET T1-016 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

## 1 TELECOM REMODEL PLAN - BLDG 148 FIRST FLOOR SECTOR A

1/8" = 1'-0"

Revisions:	Date:

## CONSULTANT

## LOW VOLTAGE

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## STAMP

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CONSTRUCTION  
AND FACILITIES  
MANAGEMENT

## DRAWING TITLE

148-TELECOM REMODEL PLAN -  
FIRST FLOOR SECTOR A

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

## PHASE

100% CONSTRUCTION  
DOCUMENTS

## FLS

FULLY SPRINKLERED

PROJECT TITLE  
EHM INFRASTRUCTURE  
UPGRADES

LOCATION  
FORT MEADE, SOUTH DAKOTA

ISSUE DATE  
11/05/2024

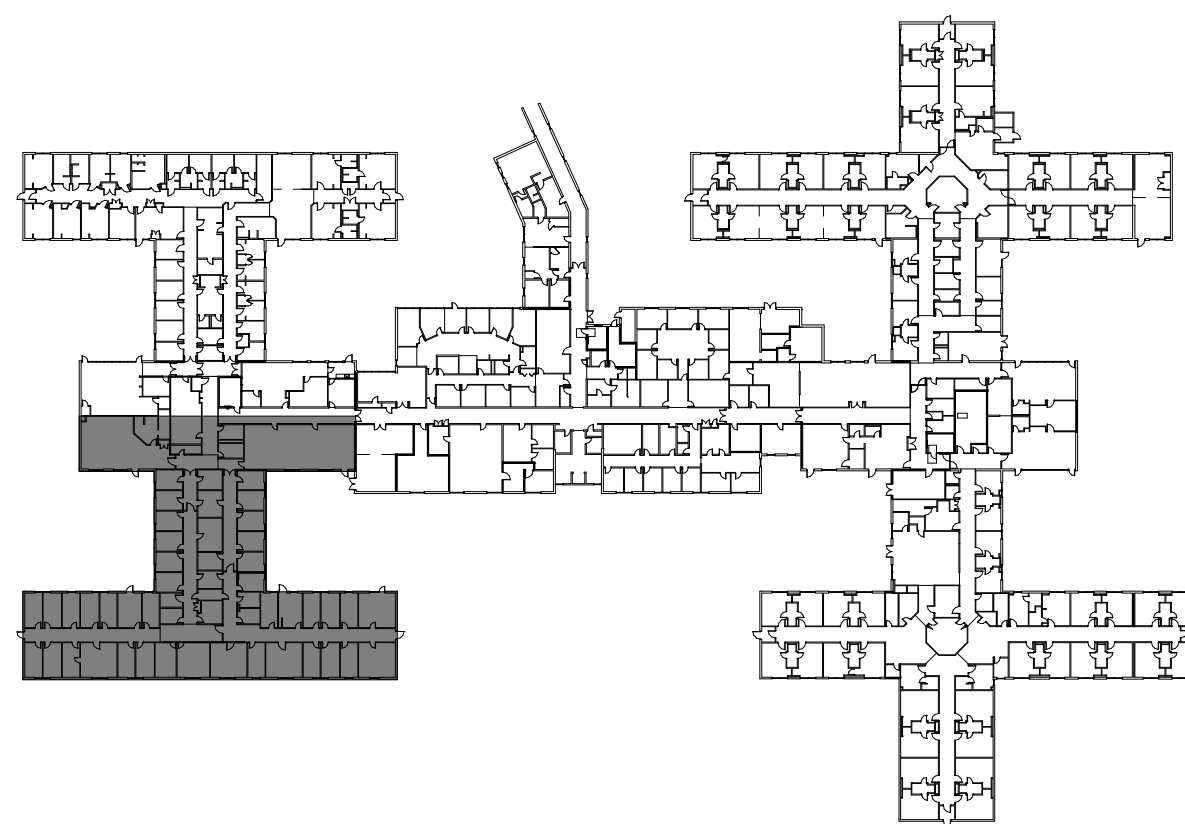
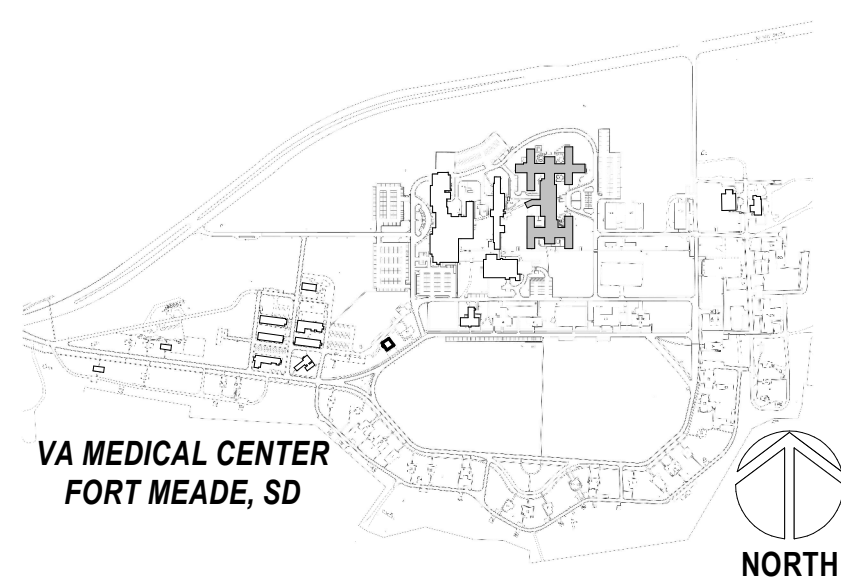
CHECKED BY  
DJC

DRAWN BY  
AH,RES

PROJECT NUMBER  
568-21-701BUILDING NUMBER  
148DRAWING NUMBER  
148-TN-012



PROJECT KEY PLAN



B148 KEY PLAN B

1" = 100'-0"

GENERAL NOTES

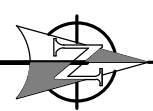
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- ALL CAMERAS SHOWN ON PLANS ARE EXISTING UNLESS NOTED OTHERWISE.

KEY NOTES

- THIRD JACK INTENDED FOR FAX, PRINTER, CREDIT CARD MACHINE, OR ANALOG PHONE USE. CONFIRM DESIRED LOCATION WITH COR PRIOR TO INSTALLATION.

TELECOM REMODEL PLAN - BLDG 148 FIRST FLOOR SECTOR B

1/8" = 1'-0"



Revisions:	Date:

CONSULTANT

LOW VOLTAGE

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ADAM GODDIN, PE



STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



DRAWING TITLE

148-TELECOM REMODEL PLAN -  
FIRST FLOOR SECTOR B

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

AH,RES

PROJECT NUMBER

568-21-701

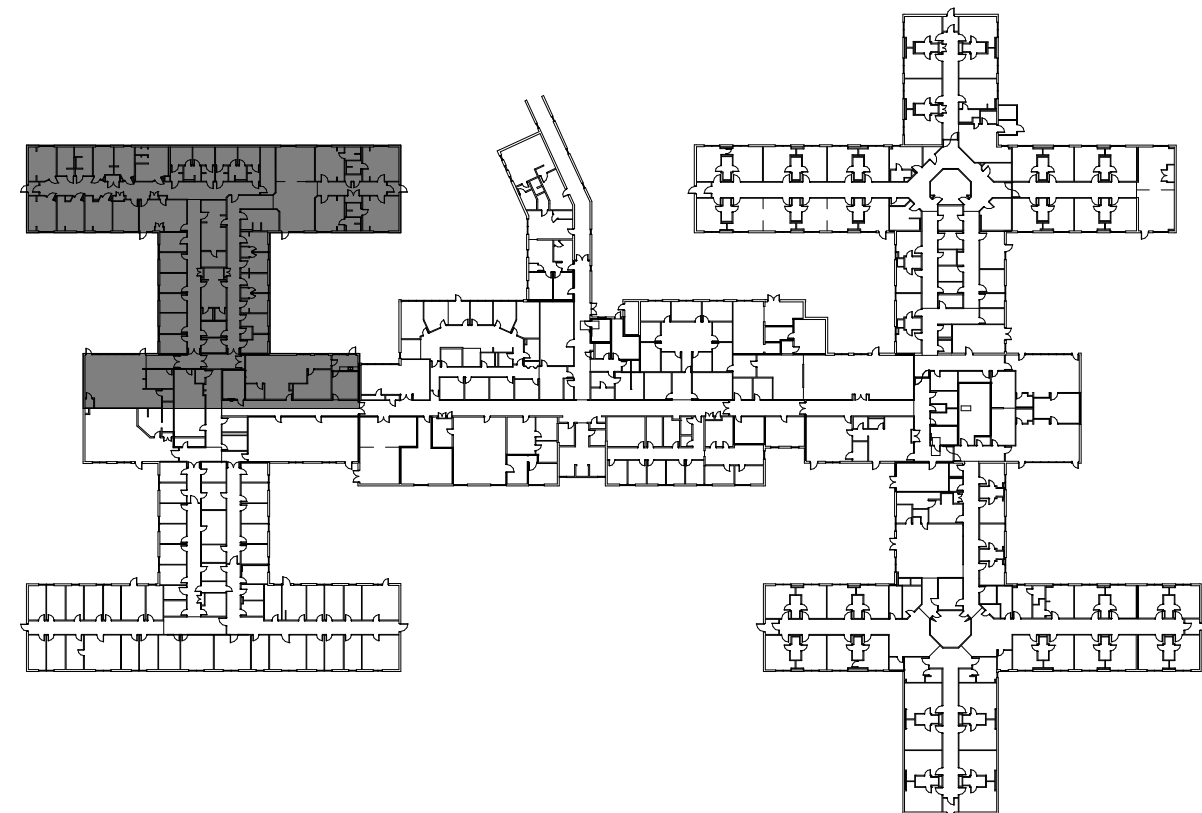
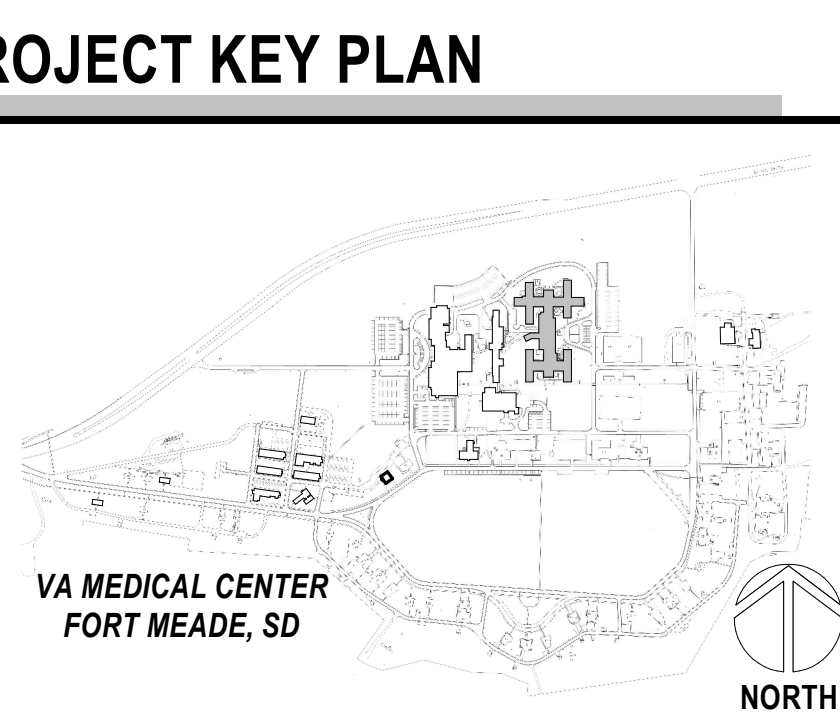
BUILDING NUMBER

148

DRAWING NUMBER

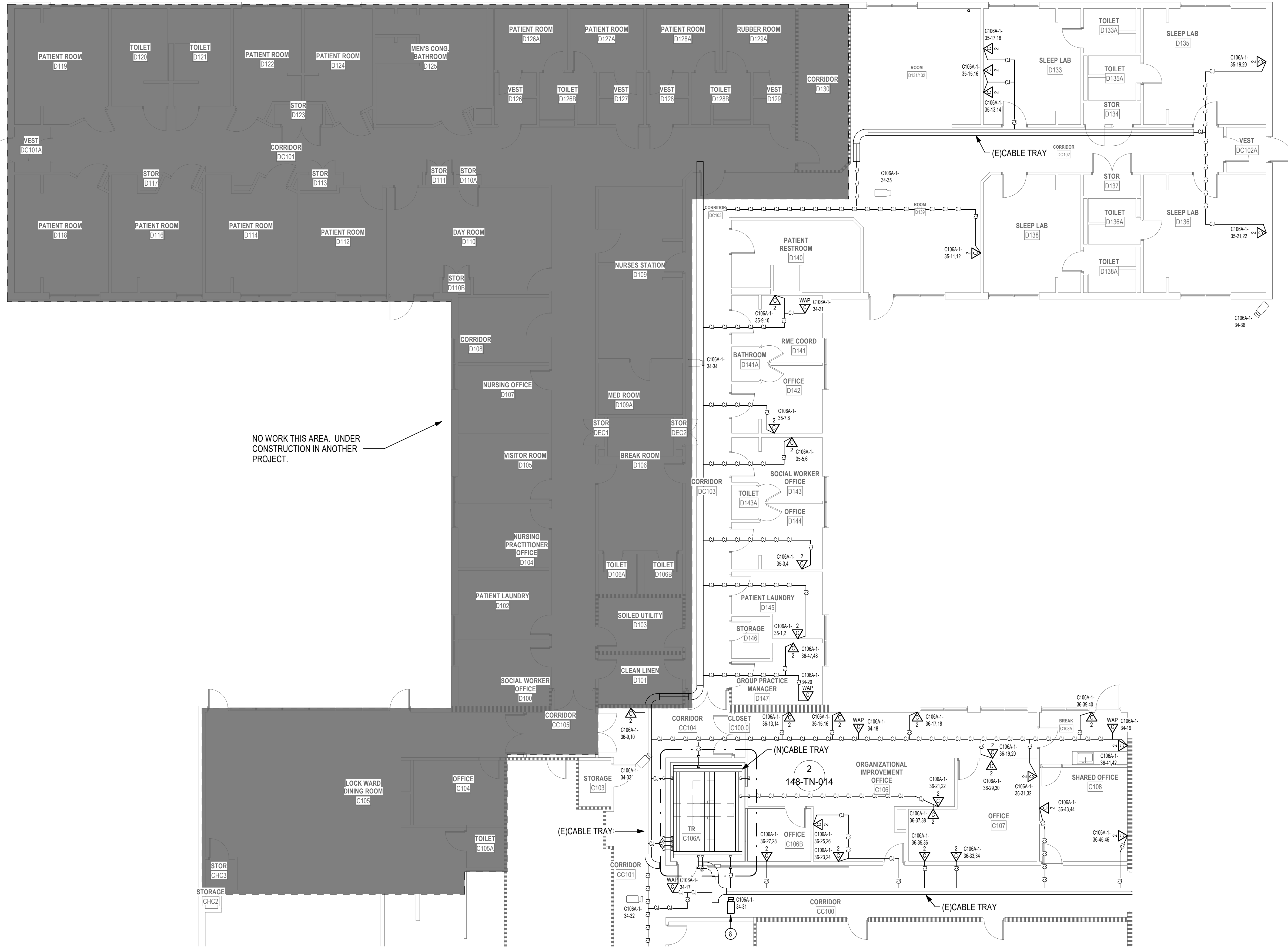
148-TN-013

PROJECT KEY PLAN



B145 KEY PLAN C

1" = 100'-0"



NO WORK THIS AREA. UNDER CONSTRUCTION IN ANOTHER PROJECT.

1 TELECOM REMODEL PLAN - BLDG 148 FIRST FLOOR SECTOR D

1/8" = 1'-0"

2 ENLARGED PLAN - RM. C106A

1/4" = 1'-0"

KEY NOTES

1. PROVIDE NEW CHANNEL RACK, FIBER ENCLOSURES, UPS, PATCH PANELS, CABLE MANAGERS, AND PDUS. SEE RACK EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE HILTI FIRESTOP SPEED SLEEVE.
3. PROVIDE VERTICAL CABLE SUPPORTS FROM CONDUITS/SLAVE TO COMMUNICATION RACK.
4. PROVIDE BONDING BUSBAR CPI #40153.012 OR APPROVED EQUAL AND BONDING IN ALL TR ROOMS. SEE SHEET TJ-021 THROUGH TJ-025 FOR ADDITIONAL INFORMATION.
5. PROVIDE NEW WIRING TO NEW CARD READER FROM EXISTING ACCESS CONTROL PANEL AND PROVIDE NEW ELECTRICAL STRIKE. PROVIDE 1" CONDUIT AND BOXES AS REQUIRED.
6. SEE DETAIL ON SHEET TJ-016 "ACCESS CONTROL DETAIL" FOR ACCESS CONTROL DEVICES REQUIRED AT THIS DOOR.
7. PROVIDE FIRE ALARM STROBE. CONNECT TO NEAREST NAC CIRCUIT.
8. PROVIDE NEW CAMERA. SEE SPECIFICATIONS SECTION 28.23.00 AND SHEET TJ-016 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

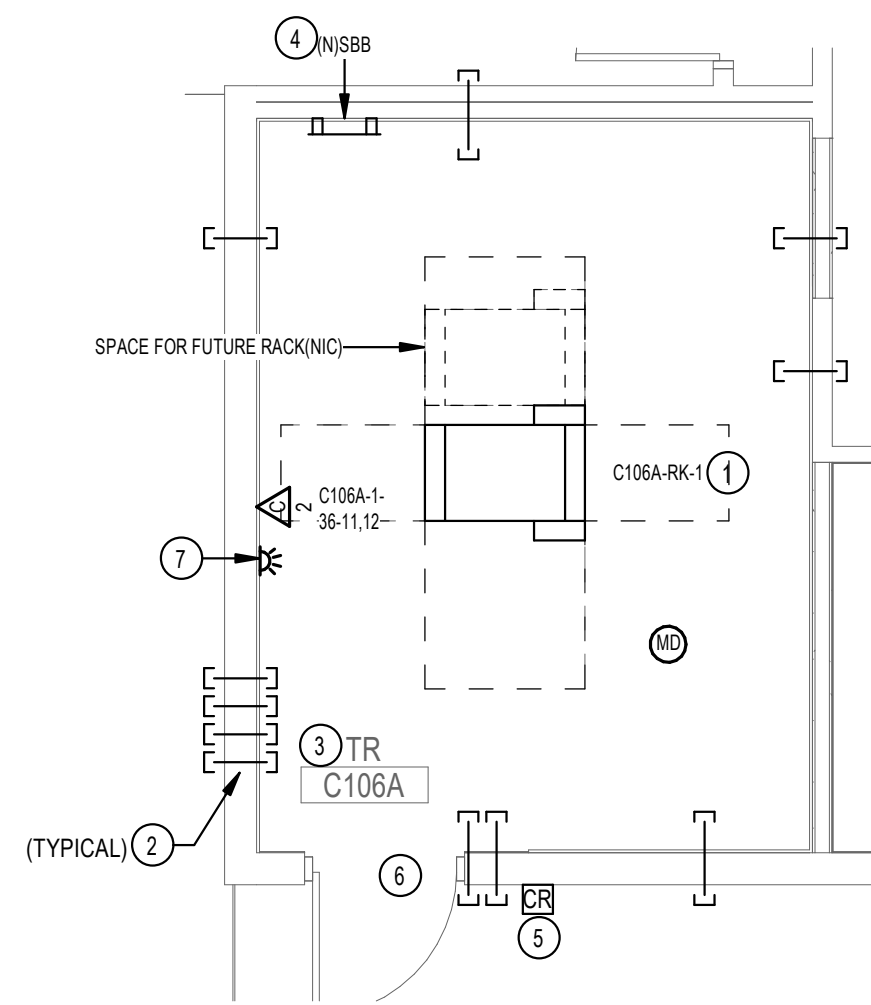
GENERAL NOTES

1. CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING THROUGH WALLS AND NON ACCESSIBLE CEILING AREAS. CONDUIT SLEEVES SHALL BE HILTI SPEED SLEEVES. CONDUIT SIZE IS TO BE AS NOTED.
2. FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
3. ALL NEW FIBER SHALL BE REROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
4. ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPlice CASSETTE CONNECTORS. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 15' WITHIN EACH VAULT FOR SERVICE LOOPS.
5. TERMINATE FIBER CABLING IN NEW FIBER PATCH PANELS IN TELECOMMUNICATION RACKS.
6. CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION OF J-HOOKS.
7. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
8. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRS.
9. FOR ALL NEW TELECOMM OUTLET LOCATIONS CONTRACTOR TO PROVIDE NEW CABLING, FACEPLATES, AND JACKS. REUSE EXISTING TELECOMM OUTLET BOX AND ROUTE NEW CABLING IN EXISTING RACEWAY BACK TO NEW TRITE LOCATION. IF EXISTING RACEWAY IS NOT LARGE ENOUGH TO ACCOMMODATE THE NEW CAT6A CABLING, CONTRACTOR IS TO PROVIDE NEW BOX AND RACEWAY ADJACENT TO EXISTING LOCATION. SEE DETAILS ON SHEET TJ-017 FOR ADDITIONAL INFORMATION.
10. PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
11. CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
12. CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, FPH, PPH, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
13. CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY. MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
14. COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
15. CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.
16. FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION. CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES. CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE, CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN OPENHARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
17. CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.
18. ALL CAMERAS SHOWN ON PLANS ARE EXISTING UNLESS NOTED OTHERWISE.

RACK EQUIPMENT SCHEDULE - 1-RACK TR			
EQUIPMENT	QTY	TYPE	PART #
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL
UPS	1	9KVA	XTREME UPS #M50C-25SK OR APPROVED EQUAL (NOTE 5)
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 4)
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANGER	#MM20VMD706-W OR APPROVED EQUAL
PDU	2	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKETS #30221-E03 OR APPROVED EQUAL

NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.

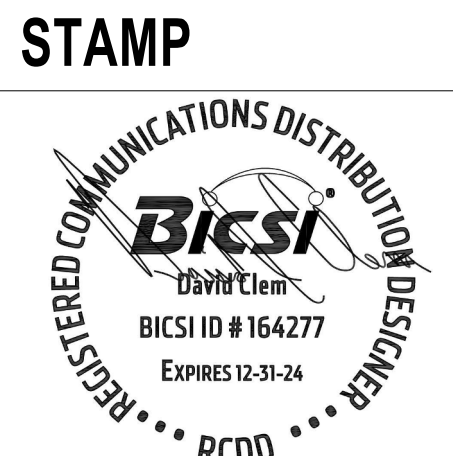
1. SEE FIBER ONE LINE DIAGRAM ON SHEETS TJ-001 AND TJ-002 FOR ADDITIONAL INFORMATION.
2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT.
3. SEE FLOOR PLAN FOR QUANTITIES.
4. PROVIDE LEVITON #E2X1A-S48 REAR CABLE MANAGER FOR EVERY PATCH PANEL PROVIDED.
5. PROVIDE UPS WITH POWER CORD, RECEPTACLE PANEL, WEBSMTP CARD, AND 4-POST RAIL KIT.



Revisions:	Date:

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**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**  
VA U.S. Department of Veterans Affairs

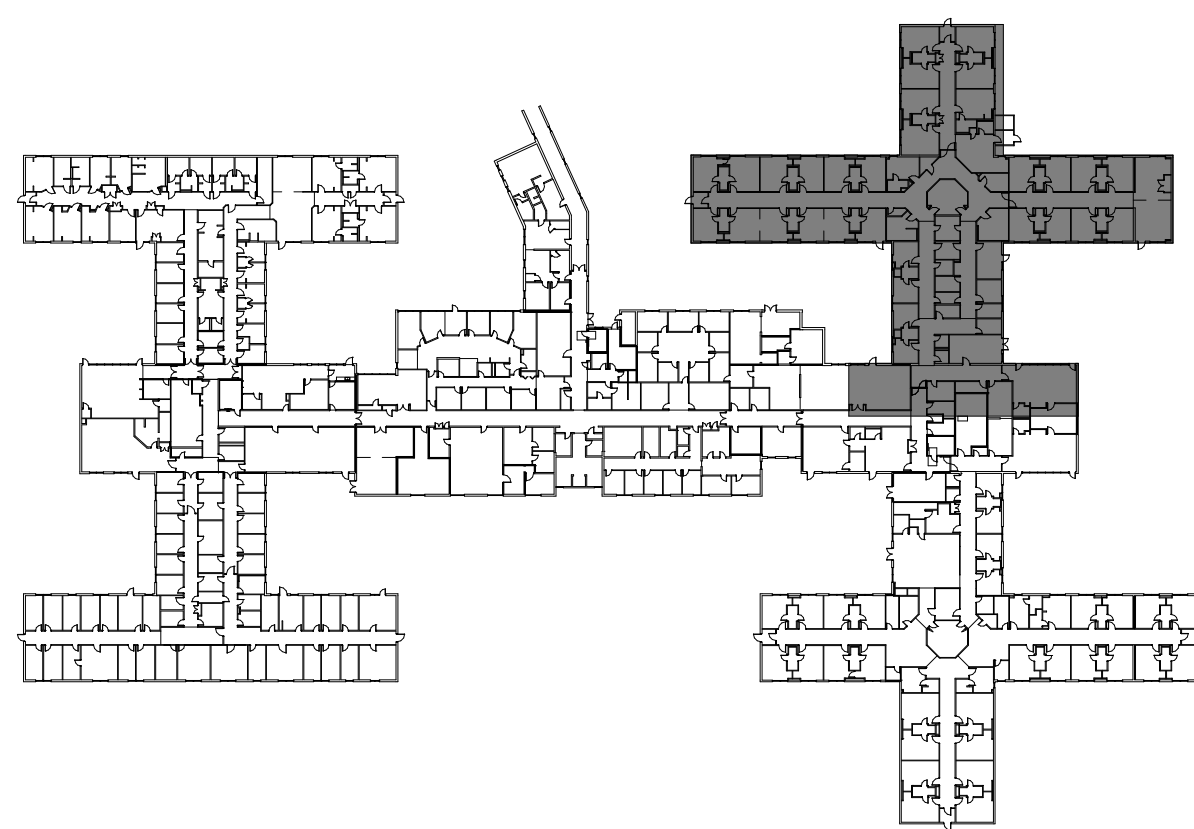
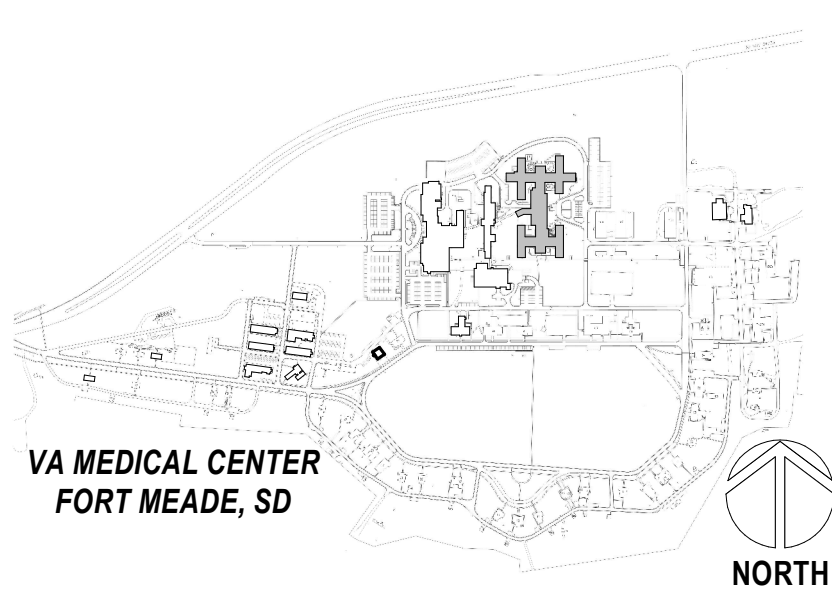
DRAWING TITLE  
**148-TELECOM REMODEL PLAN - FIRST FLOOR SECTOR C**  
APPROVED: Project Director  
**FOR OFFICIAL USE ONLY (FOUO)**

PHASE  
100% CONSTRUCTION DOCUMENTS  
FLS  
**FULLY SPRINKLERED**

PROJECT TITLE  
EHRM INFRASTRUCTURE UPGRADES  
PROJECT NUMBER  
568-21-701  
BUILDING NUMBER  
148  
DRAWING NUMBER  
**148-TN-014**  
LOCATION  
FORT MEADE, SOUTH DAKOTA  
ISSUE DATE  
11/05/2024  
CHECKED BY  
DJC  
DRAWN BY  
AH,RES



PROJECT KEY PLAN



B148 KEY PLAN E

1" = 100'-0"

GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING THROUGH WALLS AND NON ACCESSIBLE CEILING AREAS. CONDUIT SLEEVES SHALL BE HILT SPEED SLEEVES. CONDUIT SIZE IS TO BE AS NOTED.
- FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
- ALL NEW FIBER SHALL BE REROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE CONNECTORS. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.
- TERMINATE FIBER CABLING IN NEW FIBER PATCH PANELS IN TELECOMMUNICATION RACKS.
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- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
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- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.
- ALL CAMERAS SHOWN ON PLANS ARE EXISTING UNLESS NOTED OTHERWISE.

KEY NOTES

- THIRD JACK INTENDED FOR FAX, PRINTER, CREDIT CARD MACHINE, OR ANALOG PHONE USE. CONFIRM DESIRED LOCATION WITH COR PRIOR TO INSTALLATION.

TELECOM REMODEL PLAN - BLDG 148 FIRST FLOOR SECTOR E

1/8" = 1'-0"

Revisions:	Date:

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ADAM GODDIN, PE



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OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



DRAWING TITLE

148-TELECOM REMODEL PLAN -  
FIRST FLOOR SECTOR E

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

AH,RES

PROJECT NUMBER

568-21-701

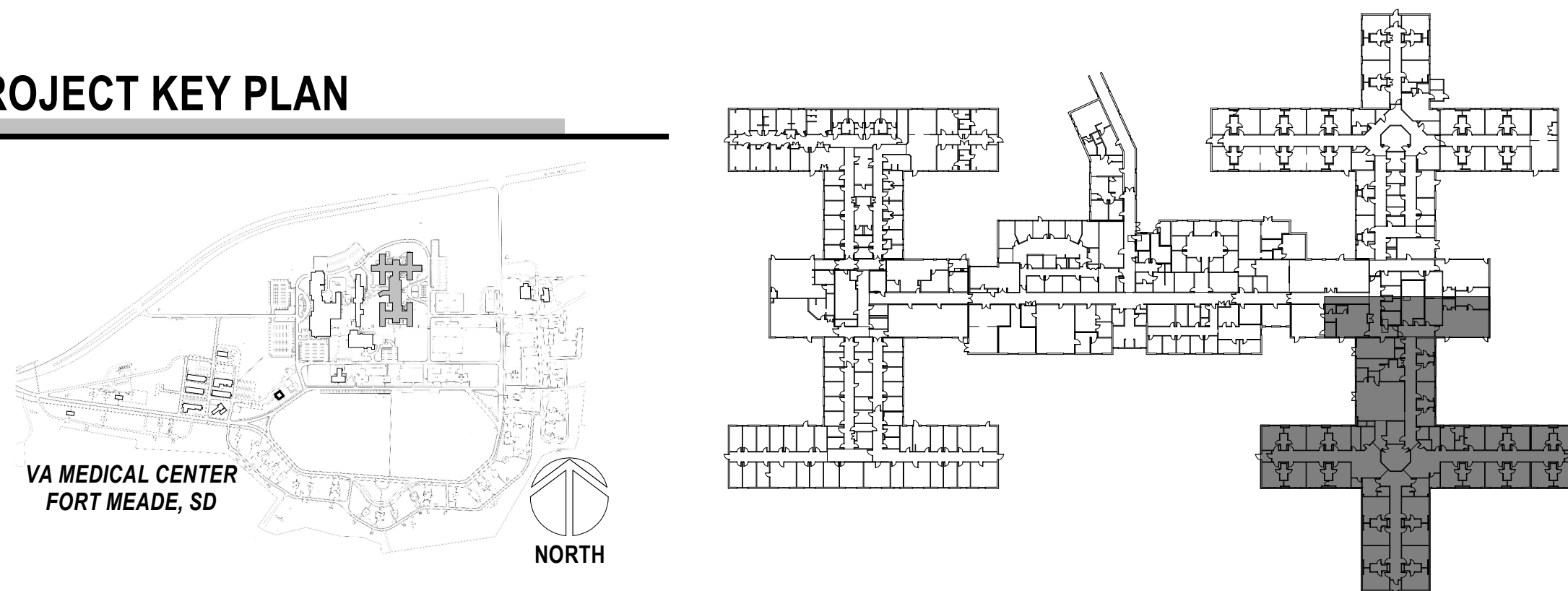
BUILDING NUMBER

148

DRAWING NUMBER

148-TN-015

## PROJECT KEY PLAN



## B148 KEY PLAN F

1" = 100'-0"

## ENLARGED PLAN- RM, F108

1/4" = 1'-0"

MATCHLINE

## TELECOM REMODEL PLAN - BLDG 148 FIRST FLOOR SECTOR G

1/8" = 1'-0"

## KEY NOTES

1. PROVIDE NEW CHANNEL RACK, FIBER ENCLOSURES, UPS, PATCH PANELS, CABLE MANAGERS, AND PDUs. SEE RACK EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE HILTI FIRESTOP SPEED SLEEVE.
3. PROVIDE VERTICAL CABLE SUPPORTS FROM CONDUITS/SLEEVE TO COMMUNICATION RACK.
4. PROVIDE BONDING BUSBAR CFI #40153-012 OR APPROVED EQUAL AND BONDING IN ALL TR ROOMS. SEE SHEET TJ-021 THROUGH TJ-025 FOR ADDITIONAL INFORMATION.
5. PROVIDE NEW WIRING TO NEW CARD READER FROM EXISTING ACCESS CONTROL PANEL AND PROVIDE NEW ELECTRICAL STRIKE. PROVIDE 1" CONDUIT AND BOXES AS REQUIRED.
6. SEE DETAIL ON SHEET TJ-016 "ACCESS CONTROL DETAIL" FOR ACCESS CONTROL DEVICES REQUIRED AT THIS DOOR.
7. PROVIDE FIRE ALARM STROBE. CONNECT TO NEAREST NAC CIRCUIT.
8. PROVIDE NEW CAMERA. SEE SPECIFICATIONS SECTION 28 23 00 AND SHEET TJ-016 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

## GENERAL NOTES

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13. CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
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## RACK EQUIPMENT SCHEDULE - 1-RACK TR

EQUIPMENT	QTY	TYPE	PART #
RACK	1	CHANNEL RACK	#MM2073038-W OR APPROVED EQUAL
UPS	1	5KVA	XTREME UPS #W90C-25SK OR APPROVED EQUAL (NOTE 5)
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #EZ1X1-S48 OR APPROVED EQUAL (NOTE 4)
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13500-701 OR APPROVED EQUAL
CABLE MANAGER	NOTE 3	10" VERTICAL CABLE MANGER	#MM207VMDT08-W OR APPROVED EQUAL
PDU	2	VERTICAL PDU	APC #8863, WITH MOUNTING BRACKETS #29221-6303 OR APPROVED EQUAL

## NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.

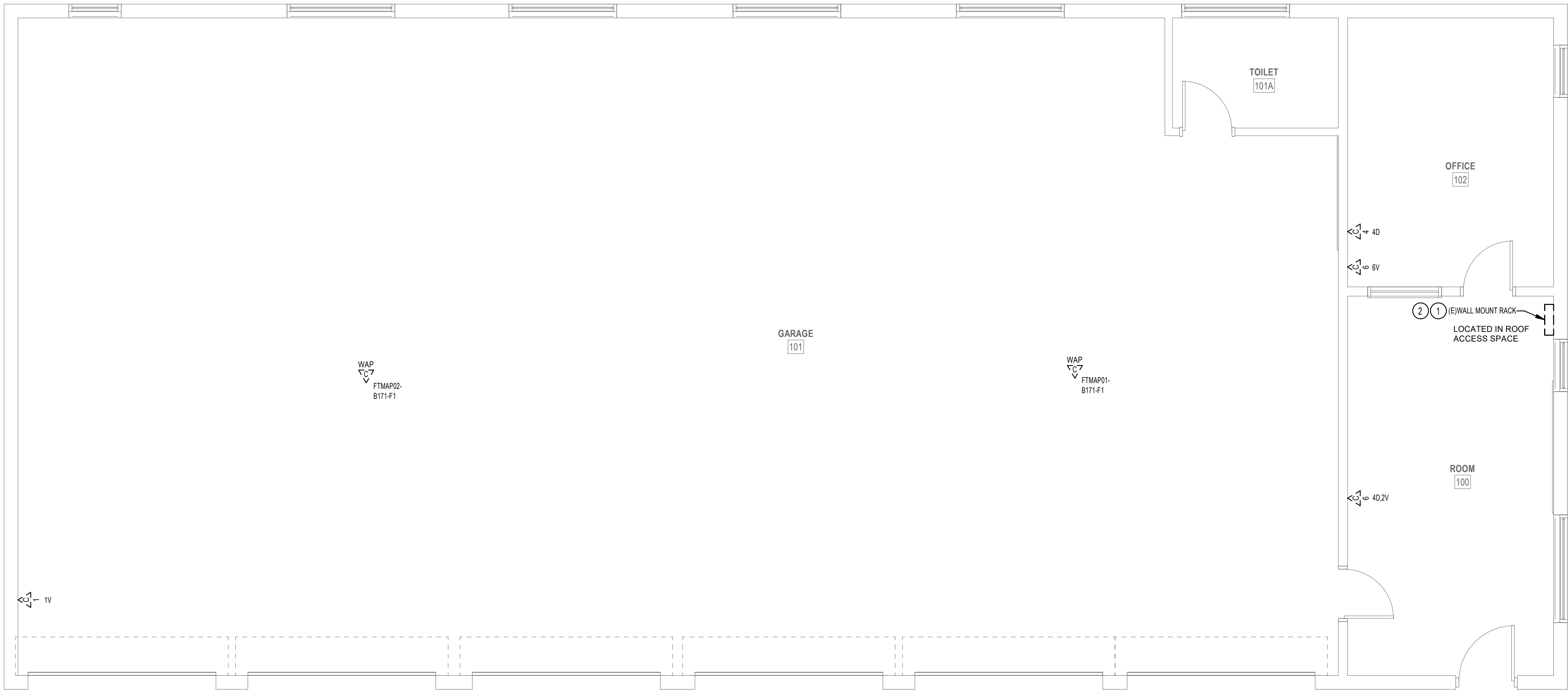
1. SEE FIBER ONE LINE DIAGRAM ON SHEETS TJ-001 AND TJ-002 FOR ADDITIONAL INFORMATION.
2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT.
3. SEE FLOOR PLAN FOR QUANTITIES.
4. PROVIDE LEVITON #EZ1X1-S48 REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.
5. PROVIDE UPS WITH POWER CORD, RECEPTACLE PANEL, WEBSMTP CARD, AND 4-POST RACK KIT.

DEMOLITION GENERAL NOTES

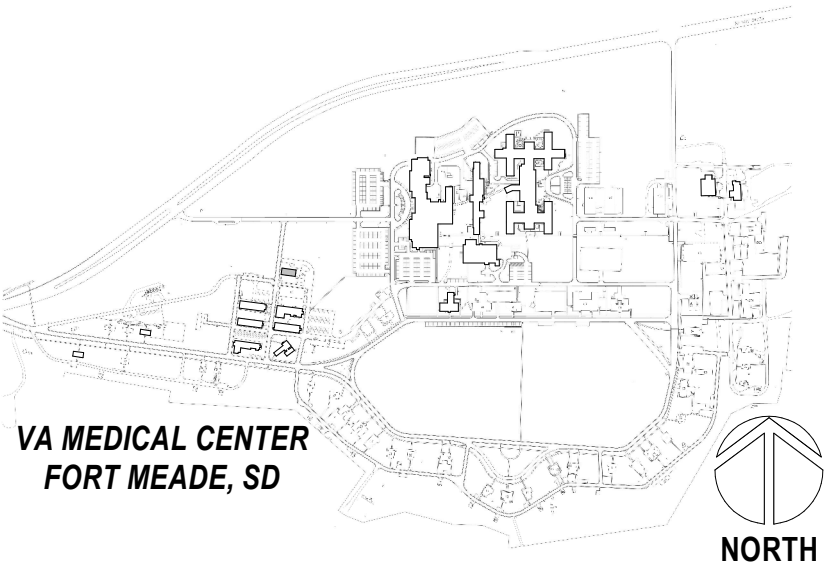
1. VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
2. DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
3. COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL.
4. CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PFI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
5. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
6. CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET.
7. IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
8. ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
9. DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS OUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A&E TEAM.
10. CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS' JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

1. EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED.
2. EXISTING FIBER "L1U" TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK TO SOURCE.



PROJECT KEY PLAN



1 TELECOM DEMOLITION PLAN - BLDG T171 FIRST FLOOR

1/4" = 1'-0"

Revisions:	Date:

CONSULTANT

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ARCHITECT/ENGINEER OF RECORD

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ADAM GODDIN, PE



STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



DRAWING TITLE  
**T171-TELECOM DEMOLITION PLAN  
- FIRST FLOOR**

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE  
100% CONSTRUCTION  
DOCUMENTS

FLS  
**FULLY SPRINKLERED**

PROJECT TITLE  
**EHRM INFRASTRUCTURE  
UPGRADES**

LOCATION  
**FORT MEADE, SOUTH DAKOTA**

ISSUE DATE  
11/05/2024

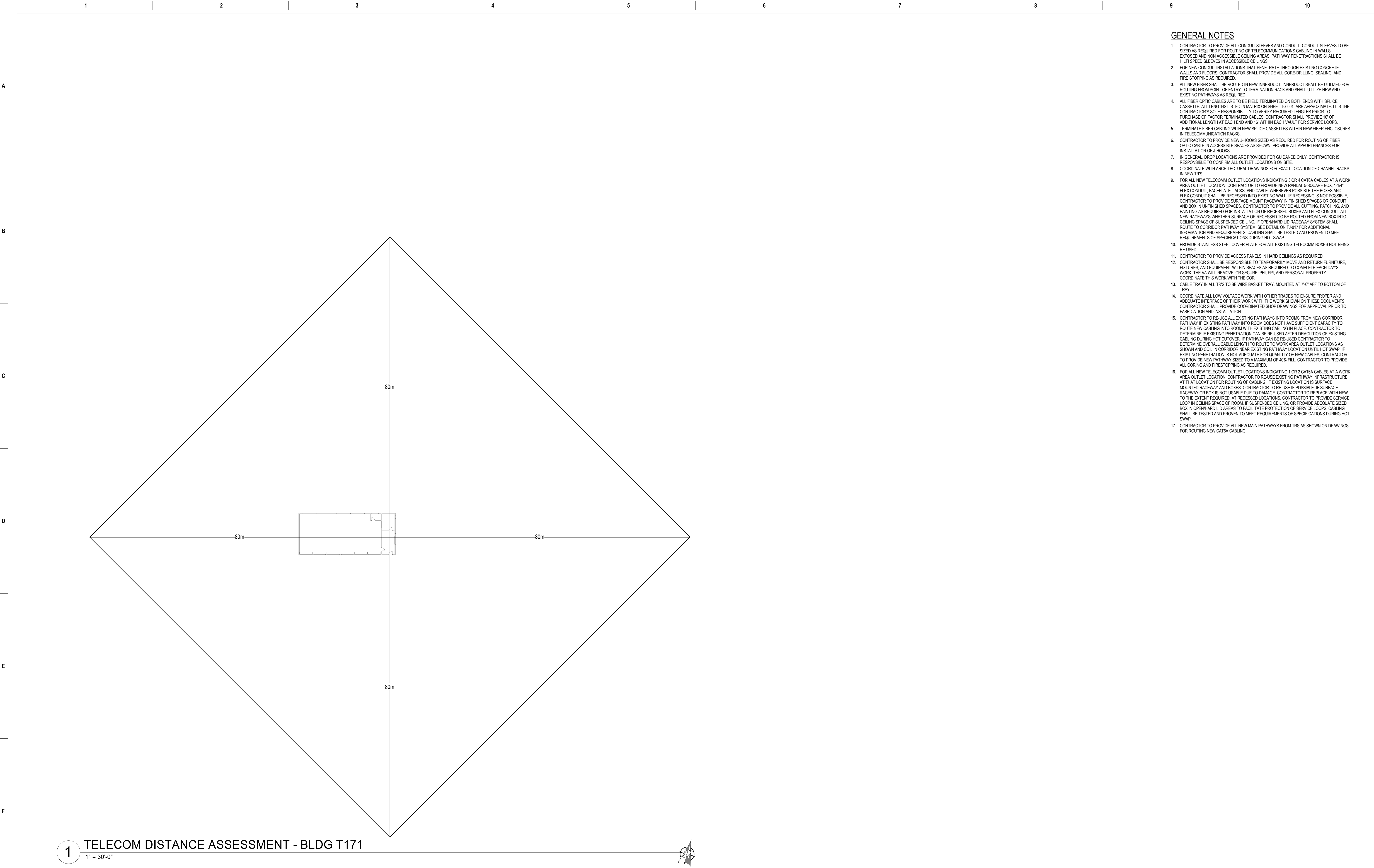
CHECKED BY  
DJC

DRAWN BY  
RES

PROJECT NUMBER  
568-21-701  
BUILDING NUMBER  
T171

DRAWING NUMBER  
**T171-TD-011**





GENERAL NOTES

- CONTRACTOR TO PROVIDE ALL CONDUIT SLEEVES AND CONDUIT. CONDUIT SLEEVES TO BE SIZED AS REQUIRED FOR ROUTING OF TELECOMMUNICATIONS CABLING IN WALLS, EXPOSED AND NON ACCESSIBLE CEILING AREAS. PATHWAY PENETRATIONS SHALL BE MULTI-SPREAD SLEEVES IN ACCESSIBLE CEILINGS.
- FOR NEW CONDUIT INSTALLATIONS THAT PENETRATE THROUGH EXISTING CONCRETE WALLS AND FLOORS, CONTRACTOR SHALL PROVIDE ALL CORE-DRILLING, SEALING, AND FIRE STOPPING AS REQUIRED.
- ALL NEW FIBER SHALL BE ROUTED IN NEW INNERDUCT. INNERDUCT SHALL BE UTILIZED FOR ROUTING FROM POINT OF ENTRY TO TERMINATION RACK AND SHALL UTILIZE NEW AND EXISTING PATHWAYS AS REQUIRED.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTE. ALL LENGTHS LISTED IN MATRIX ON SHEET TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS PRIOR TO PURCHASE OF FACTOR TERMINATED CABLES. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.
- TERMINATE FIBER CABLING WITH NEW SPLICE CASSETTES WITHIN NEW FIBER ENCLOSURES IN TELECOMMUNICATION RACKS.
- CONTRACTOR TO PROVIDE NEW J-HOOKS SIZED AS REQUIRED FOR ROUTING OF FIBER OPTIC CABLE IN ACCESSIBLE SPACES AS SHOWN. PROVIDE ALL APPURTENANCES FOR INSTALLATION OF J-HOOKS.
- IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ON SITE.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF CHANNEL RACKS IN NEW TRS.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 3 OR 4 CAT6A CABLES AT A WORK AREA OUTLET LOCATION, CONTRACTOR TO PROVIDE NEW RANDAL 5-SQUARE BOX, 1-1/4" FLEX CONDUIT, FACEPLATE, JACKS, AND CABLE. WHEREVER POSSIBLE THE BOXES AND FLEX CONDUIT SHALL BE RECESSED INTO EXISTING WALL. IF RECESSING IS NOT POSSIBLE, CONTRACTOR TO PROVIDE SURFACE MOUNT RACEWAY IN FINISHED SPACES OR CONDUIT AND BOX IN UNFINISHED SPACES. CONTRACTOR TO PROVIDE ALL CUTTING, PATCHING, AND PAINTING AS REQUIRED FOR INSTALLATION OF RECESSED BOXES AND FLEX CONDUIT. ALL NEW RACEWAYS WHETHER SURFACE OR RECESSED TO BE ROUTED FROM NEW BOX INTO CEILING SPACE OF SUSPENDED CEILING. IF OPENHARD LID RACEWAY SYSTEM SHALL ROUTE TO CORRIDOR PATHWAY SYSTEM. SEE DETAIL ON T-1017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- PROVIDE STAINLESS STEEL COVER PLATE FOR ALL EXISTING TELECOMM BOXES NOT BEING RE-USED.
- CONTRACTOR TO PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- CABLE TRAY IN ALL TRS TO BE WIRE BASKET TRAY, MOUNTED AT 7'-6" AFF TO BOTTOM OF TRAY.
- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
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- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

1 TELECOM DISTANCE ASSESSMENT - BLDG T171  
1" = 30'-0"

Revisions:	Date:	<div>CONSULTANT</div> <div>LOW VOLTAGE</div> <div>GDM</div> <div>4317 6TH AVE SE, SUITE 300</div> <div>LACEY, WA 98603</div> <div>541.436.4723</div> <div>DAVE CLEM, RCDD</div>	<div>ARCHITECT/ENGINEER OF RECORD</div> <div>A/E</div> <div>GDM</div> <div>1308 NE 134TH ST SUITE A</div> <div>VANCOUVER, WA 98685</div> <div>541.436.4723</div> <div>ADAM GODDIN, PE</div> <div><div>GDM</div><div>ARCHITECTS • ENGINEERS</div></div>	<div>STAMP</div> <div><div>REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER</div><div><div>BICSI</div><div>100% Clean</div></div><div>BICSI ID #16161277</div><div>EXPIRES 12-31-24</div><div>RCDD</div></div>	<div>OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT</div> <div><div>VA</div><div>U.S. Department of Veterans Affairs</div></div>	<div>DRAWING TITLE</div> <div>TELECOM DISTANCE ASSESSMENT - BLDG T171</div>	<div>PHASE</div> <div>100% CONSTRUCTION DOCUMENTS</div>	<div>PROJECT TITLE</div> <div>EHRM INFRASTRUCTURE UPGRADES</div>	<div>PROJECT NUMBER</div> <div>568-21-701</div>	
							<div>BUILDING NUMBER</div> <div>T171</div>			
							<div>DRAWING NUMBER</div> <div>T171-TN-010</div>			
						<div>APPROVED: Project Director</div>	<div>FLS</div> <div>FULLY SPRINKLERED</div>	<div>LOCATION</div> <div>FORT MEADE, SOUTH DAKOTA</div>		
							<div>ISSUE DATE</div> <div>11/05/2024</div>	<div>CHECKED BY</div> <div>DJC</div>	<div>DRAWN BY</div> <div>AH</div>	

RACK EQUIPMENT SCHEDULE - WALL MOUNT CABINET			
EQUIPMENT	QTY	TYPE	PART #
RACK	1	WALL MOUNT CABINET	CUBE-IT 24"HX24"WX30"D WALL MOUNT CABINET WITH DUAL-FAN AND FILTER KIT
UPS	1	3KVA	APC SMO3000RMLV2U
PDU	2	1RU	APC AP9660
FIBER ENCLOSURE	NOTE 1	NOTE 1	NOTE 1
PATCH PANELS	NOTE 2	HIGH DENSITY ANGLED 48-PORT	LEVITON #E2X1A-S48 OR APPROVED EQUAL (NOTE 3)
CABLE MANAGER	NOTE 2	HORIZONTAL CABLE MANAGER	13930-701 OR APPROVED EQUAL
NOTES: SEE RACK ELEVATIONS FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT.			
1. SEE FIBER ONE LINE DIAGRAM ON SHEETS T1-009 AND T1-010 FOR ADDITIONAL INFORMATION.			
2. SEE TELECOMM RACK ELEVATIONS FOR QUANTITY INFORMATION FOR THIS EQUIPMENT.			
3. PROVIDE LEVITON #E2XHD-CMB REAR CABLE MANGER FOR EVERY PATCH PANEL PROVIDED.			

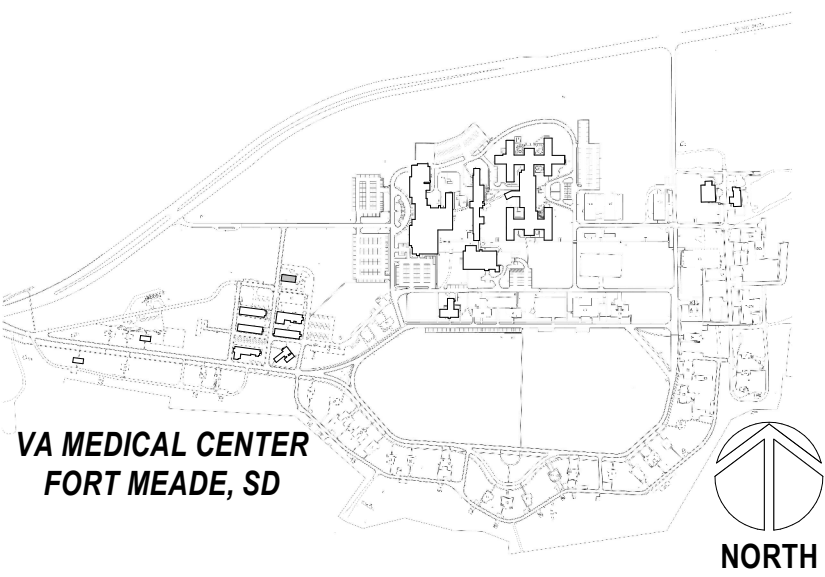
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- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

KEY NOTES

- PROVIDE NEW WALL CABINET, FIBER ENCLOSURES, UPS, PATCH PANELS, AND CABLE MANAGERS. SEE RACK EQUIPMENT SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE HLT-TI FIRESTOP SPEED SLEEVE.
- PROVIDE BONDING BUSBAR CBI #40153-012 OR APPROVED EQUAL AND BONDING IN ALL TR ROOMS. SEE SHEET T1-021 THROUGH T1-025 FOR ADDITIONAL INFORMATION.
- PROVIDE NEW CAMERA. SEE SPECIFICATIONS SECTION 28 23 00 AND SHEET T1-016 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- PROVIDE NEW CAT6A CABLING AND JACKS ADJACENT TO NEW CAMERA.

PROJECT KEY PLAN



1 TELECOM REMODEL PLAN - BLDG T171 FIRST FLOOR

1/4" = 1'-0"

Revisions:	Date:

CONSULTANT

LOW VOLTAGE  
GDM  
4317 6TH AVE SE, SUITE 300  
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541.436.4723  
DAVE CLEM, RCDD

ARCHITECT/ENGINEER OF RECORD

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541.436.4723  
ADAM GODDIN, PE



STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



DRAWING TITLE

T171-TELECOM REMODEL PLAN -  
FIRST FLOOR

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

AH,RES

PROJECT NUMBER

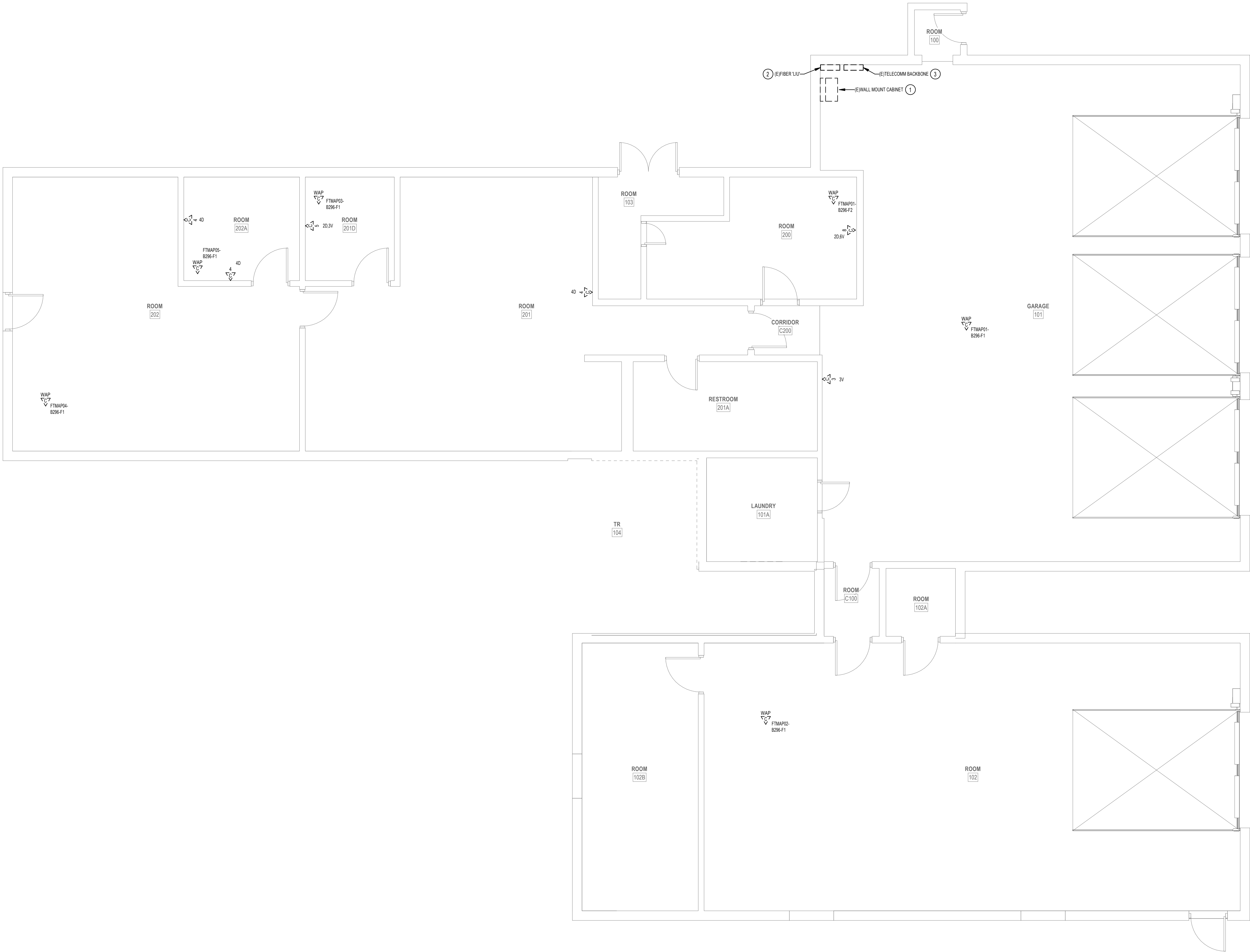
568-21-701

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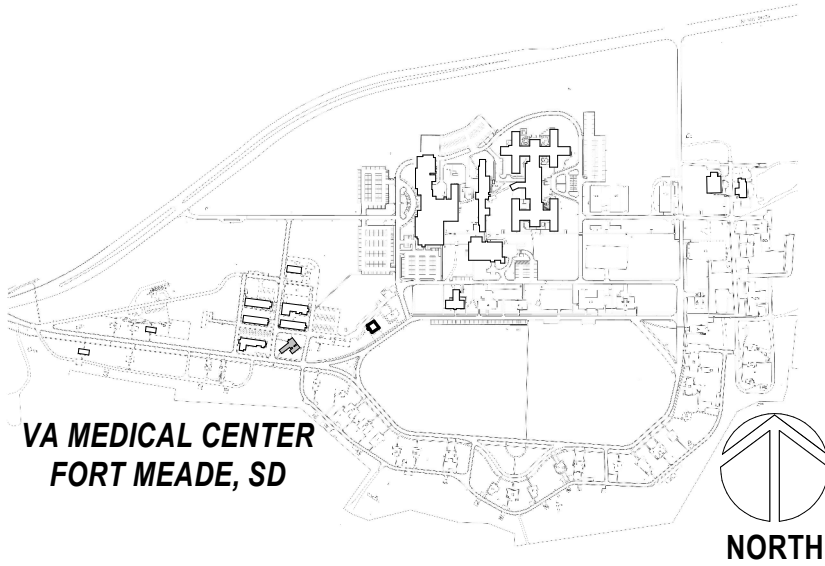
DEMOLITION GENERAL NOTES

- 1 VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- 2 DISPOSE OF REMOVED EQUIPMENT UNLESS DIRECTED TO DO SO OTHERWISE BY OWNER.
- 3 COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL.
- 4 CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY MOVE AND RETURN FURNITURE, FIXTURES, AND EQUIPMENT WITHIN SPACES AS REQUIRED TO COMPLETE EACH DAY'S WORK. THE VA WILL REMOVE, OR SECURE, PHI, PPI, AND PERSONAL PROPERTY. COORDINATE THIS WORK WITH THE COR.
- 5 IN GENERAL, DROP LOCATIONS ARE PROVIDED FOR GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL OUTLET LOCATIONS ONSITE.
- 6 CONTRACTOR SHALL TRACE ALL PORTS LABELED "BLANK", "OPEN", "BAD" OR ANY PORTS WITHOUT AN ADDRESS IN EXISTING PATCH PANELS AND VERIFY AN OUTLET. FOR PRICING PURPOSES ASSUME A MINIMUM OF 200FT OF CABLING TO EACH OUTLET.
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- 8 ALL EXISTING COMMUNICATIONS OUTLETS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. REMOVE FACE PLATE, JACKS, AND CABLING BACK TO SOURCE. EXISTING BOX AND RACEWAY TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. SEE NEW TELECOMM PLANS FOR LOCATIONS OF NEW TELECOMM OUTLET LOCATIONS.
- 9 DEMOLITION OF ALL EXISTING FIBER CABLES AND EQUIPMENT TO BE PERFORMED ONLY AFTER NEW CABLING IS INSTALLED, TERMINATED, AND VA HAS CUT SYSTEMS OVER TO NEW INFRASTRUCTURE. COORDINATE WITH VA COR AND A/E TEAM.
- 10 CONTRACTOR SHALL MAINTAIN AND PROTECT OTHER SYSTEMS JACKS AND RELATED CABLING NOT IN PROJECT SCOPE AND NOT DESIGNATED FOR DEMOLITION. CONTRACTOR TO PROVIDE BLANK INSERTS IN EXISTING FACEPLATES FOR ANY JACKS DEMOLISHED.

KEY NOTES

- 1 EXISTING COMMUNICATIONS CABINET TO BE REMOVED. REMOVE EXISTING PATCH PANELS IN EXISTING CABINET. REMOVAL OF PATCH PANELS TO OCCUR AFTER NEW PATCH PANELS AND CABLING IS INSTALLED.
- 2 EXISTING FIBER 'LIV' TO BE REMOVED. REMOVE EXISTING FIBER OPTIC CABLES BACK TO SOURCE.
- 3 EXISTING COMMUNICATIONS SETS, PUNCHBLOCKS, ENCLOSURES TO BE REMOVED. COPPER BACKBONE CABLE TO BE REMOVED BACK TO SPLICE POINT IN VAULT. REMOVAL OF EXISTING SETS, PUNCHBLOCKS AND BACKBONE CABLE TO TAKE PLACE AFTER NEW SYSTEM IS INSTALLED.

PROJECT KEY PLAN



1 TELECOM DEMOLITION PLAN - BLDG T296 FIRST FLOOR

1/4" = 1'-0"

Revisions:	Date:

CONSULTANT

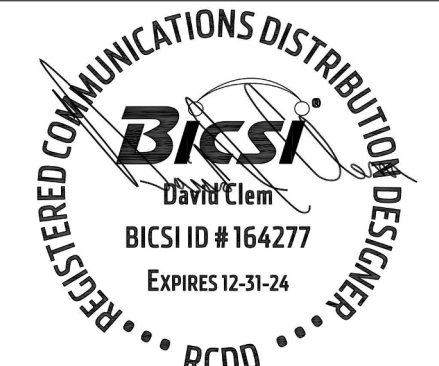
**LOW VOLTAGE**  
GDM  
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ARCHITECT/ENGINEER OF RECORD

**A/E**  
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ADAM GODDIN, PE



STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



DRAWING TITLE  
**T296-TELECOM DEMOLITION  
PLANS**

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE  
100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

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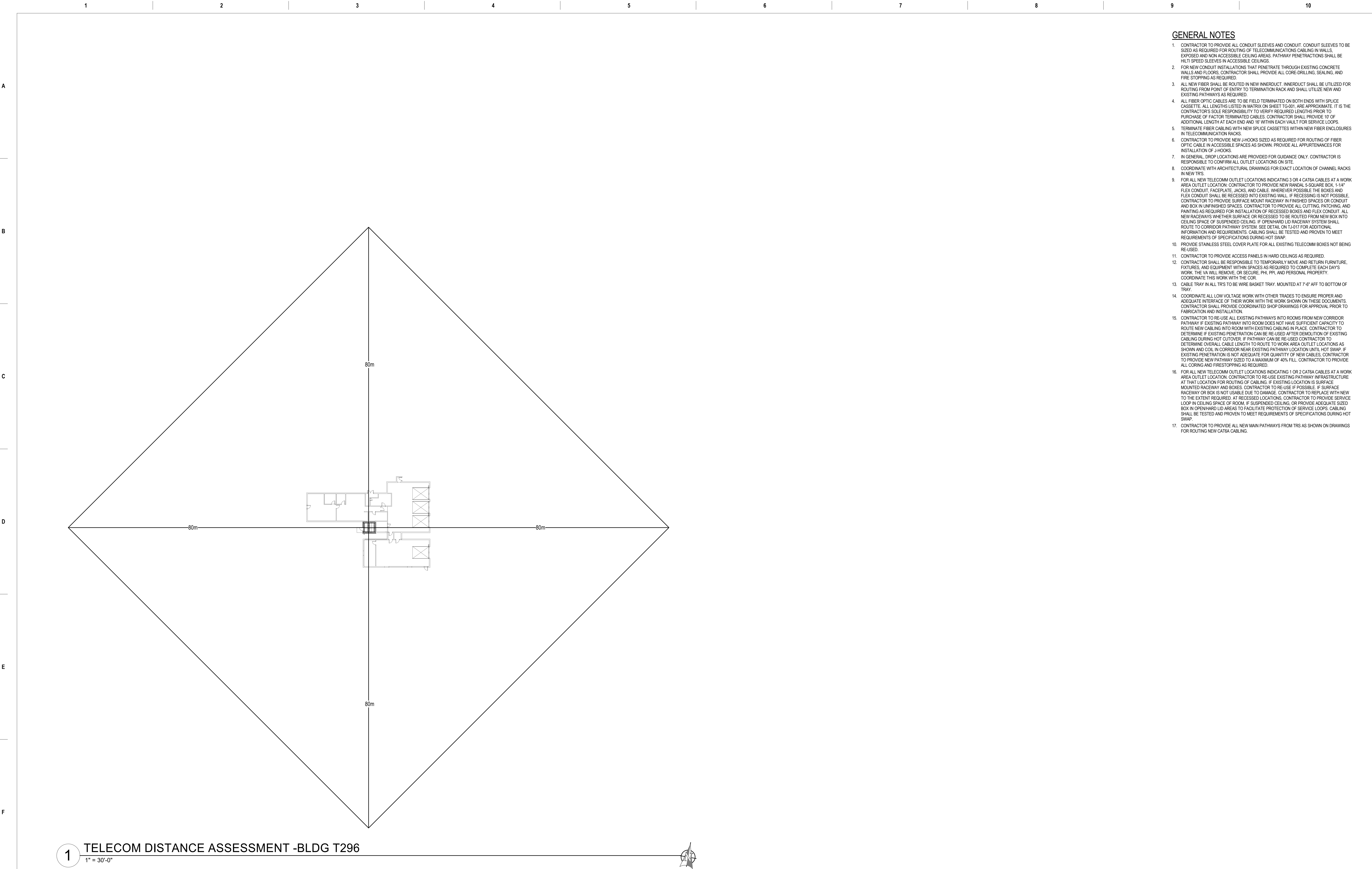
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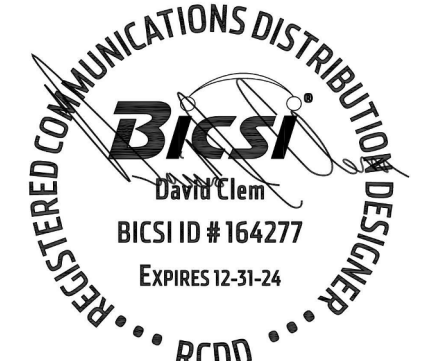



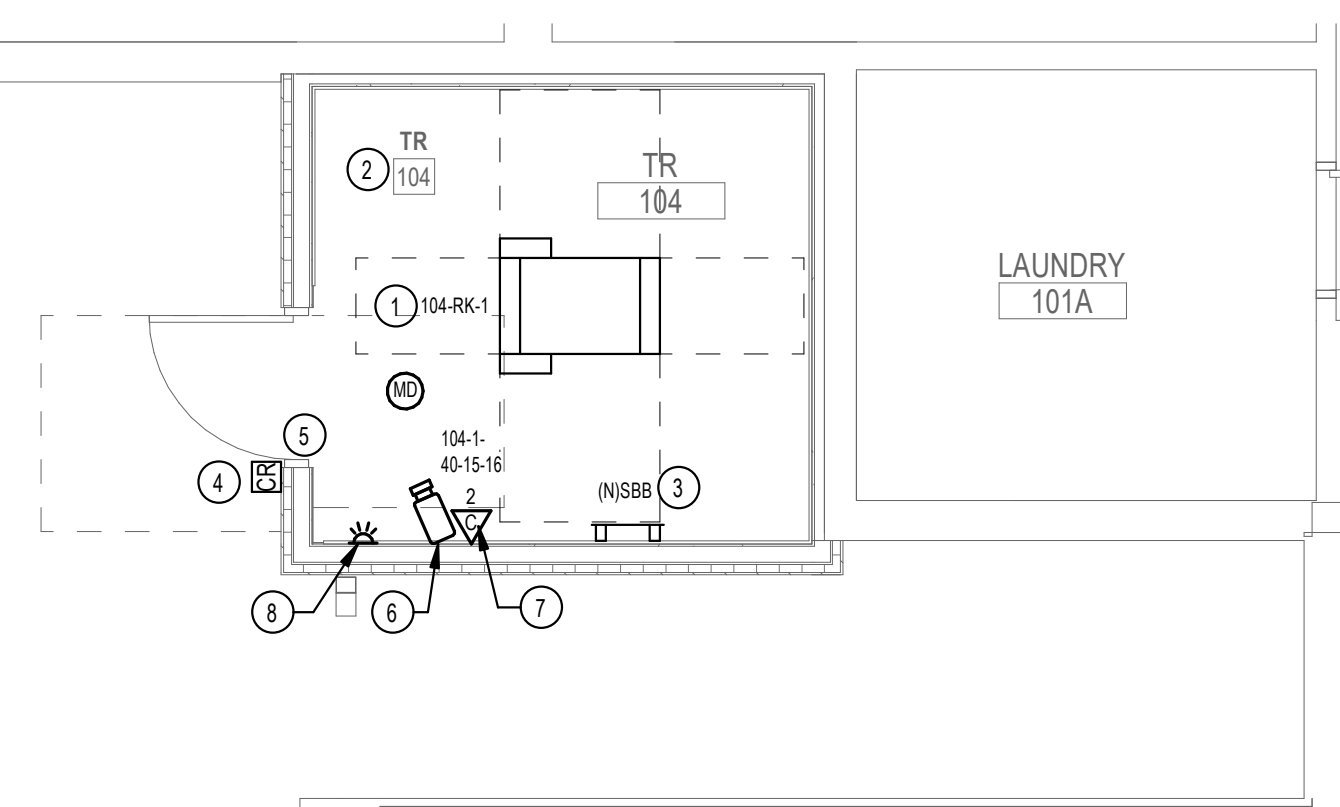


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- COORDINATE ALL LOW VOLTAGE WORK WITH OTHER TRADES TO ENSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- CONTRACTOR TO RE-USE ALL EXISTING PATHWAYS INTO ROOMS FROM NEW CORRIDOR PATHWAY IF EXISTING PATHWAY INTO ROOM DOES NOT HAVE SUFFICIENT CAPACITY TO ROUTE NEW CABLING INTO ROOM WITH EXISTING CABLING IN PLACE. CONTRACTOR TO DETERMINE IF EXISTING PENETRATION CAN BE RE-USED AFTER DEMOLITION OF EXISTING CABLING DURING HOT CUTOVER. IF PATHWAY CAN BE RE-USED CONTRACTOR TO DETERMINE OVERALL CABLE LENGTH TO ROUTE TO WORK AREA OUTLET LOCATIONS AS SHOWN AND COIL IN CORRIDOR NEAR EXISTING PATHWAY LOCATION UNTIL HOT SWAP. IF EXISTING PENETRATION IS NOT ADEQUATE FOR QUANTITY OF NEW CABLES, CONTRACTOR TO PROVIDE NEW PATHWAY SIZED TO A MAXIMUM OF 40% FILL. CONTRACTOR TO PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED.
- FOR ALL NEW TELECOMM OUTLET LOCATIONS INDICATING 1 OR 2 CAT6A CABLES AT A WORK AREA OUTLET LOCATION. CONTRACTOR TO RE-USE EXISTING PATHWAY INFRASTRUCTURE AT THAT LOCATION FOR ROUTING OF CABLING. IF EXISTING LOCATION IS SURFACE MOUNTED RACEWAY AND BOXES, CONTRACTOR TO RE-USE IF POSSIBLE. IF SURFACE RACEWAY OR BOX IS NOT USABLE DUE TO DAMAGE, CONTRACTOR TO REPLACE WITH NEW TO THE EXTENT REQUIRED. AT RECESSED LOCATIONS, CONTRACTOR TO PROVIDE SERVICE LOOP IN CEILING SPACE OF ROOM. IF SUSPENDED CEILING, OR PROVIDE ADEQUATE SIZED BOX IN OPENHARD LID AREAS TO FACILITATE PROTECTION OF SERVICE LOOPS. CABLING SHALL BE TESTED AND PROVEN TO MEET REQUIREMENTS OF SPECIFICATIONS DURING HOT SWAP.
- CONTRACTOR TO PROVIDE ALL NEW MAIN PATHWAYS FROM TRS AS SHOWN ON DRAWINGS FOR ROUTING NEW CAT6A CABLING.

1 TELECOM DISTANCE ASSESSMENT -BLDG T296  
1" = 30'-0"

Revisions:	Date:	<b>CONSULTANT</b> <u>LOW VOLTAGE</u> GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98603 541.436.4723 DAVE CLEM, RCDD	<b>ARCHITECT/ENGINEER OF RECORD</b> <u>A/E</u> GDM 1308 NE 134TH ST SUITE 4 VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE	<b>STAMP</b> 	<b>OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT</b>  	DRAWING TITLE TELECOM DISTANCE ASSESSMENT - BLDG T296	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER 568-21-701
						APPROVED: Project Director	FLS FULLY SPRINKLERED	LOCATION FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER T296
						FOR OFFICIAL USE ONLY (FOUO)	FULLY SPRINKLERED	ISSUE DATE 11/05/2024	DRAWN BY AH
								CHECKED BY DJC	DRAWN BY AH
								<b>T296-TN-010</b>	



- 
- VA MEDICAL CENTER  
FORT MEADE, SD
- NORTH

---

1/4" = 1'-0"

A

B

C

D

E

F

A

B

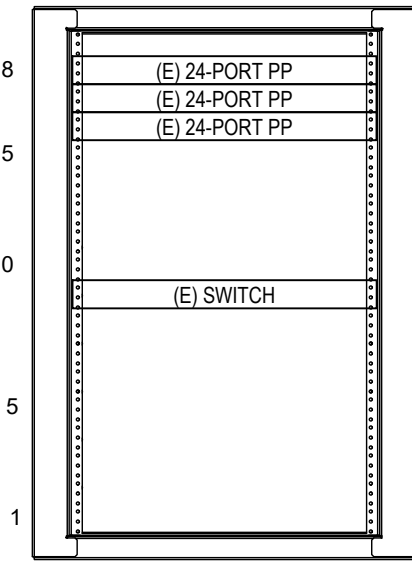
C

D

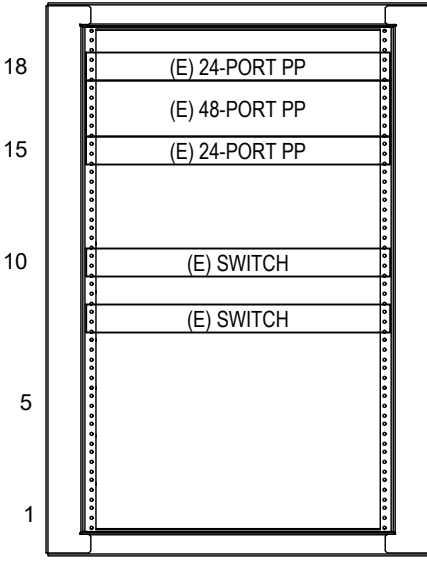
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F

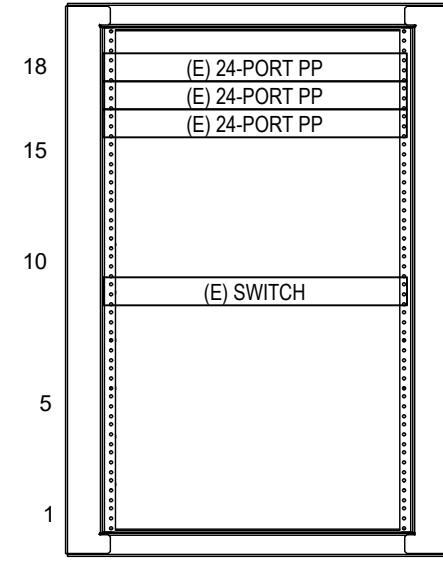
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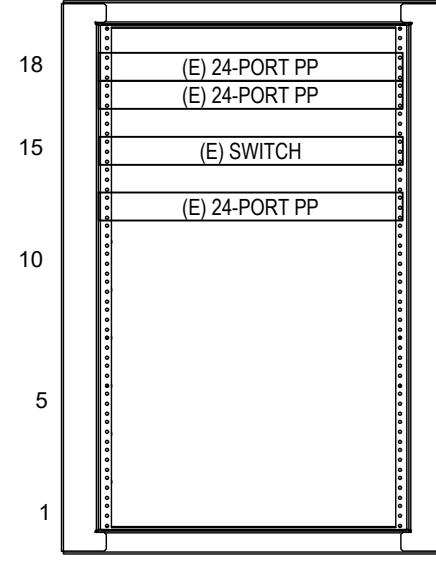
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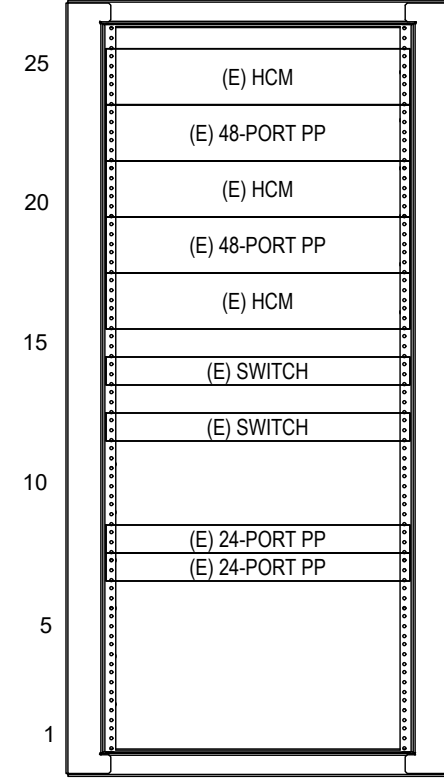
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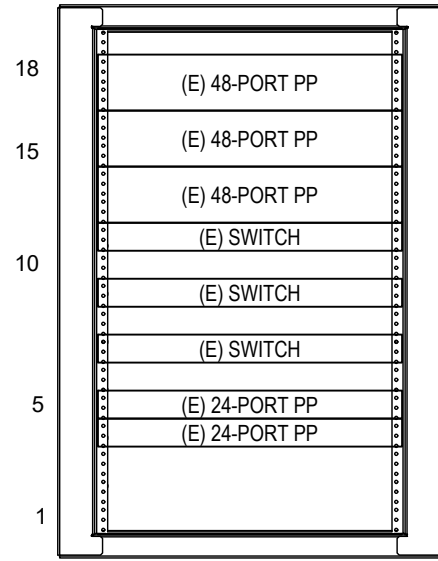
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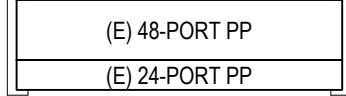
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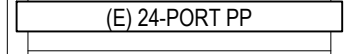
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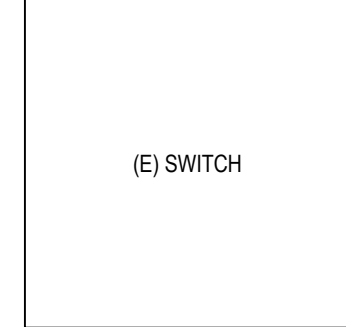
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WALL MOUNT  
BRACKET



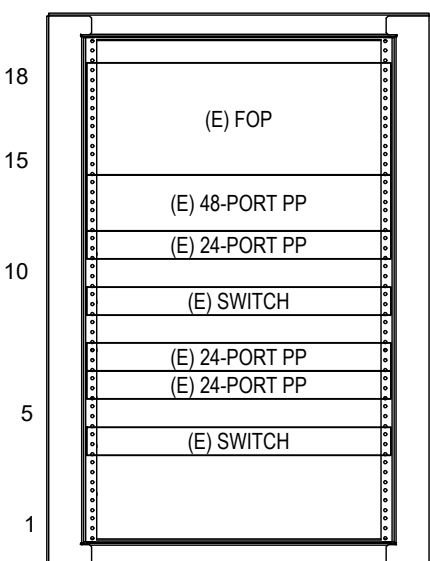
(E) RK-100A-2  
WALL MOUNT  
BRACKET



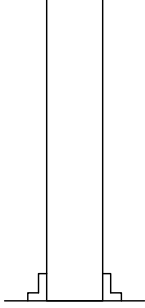
(E) VERTICALLY  
WALL MOUNTED  
SWITCH



(N) RK-200-1



(E) FLOOR  
MOUNTED UPS



BLDG 40 FIRST FLOOR  
RM 100A TE ELEVATIONS  
SCALE: NTS

BLDG 46 BASEMENT  
RM 101 TE ELEVATIONS  
SCALE: NTS

BLDG 48 FIRST FLOOR  
RM 102E TE ELEVATIONS  
SCALE: NTS

BLDG 50 BASEMENT  
RM B101 TE ELEVATIONS  
SCALE: NTS

BLDG 53 BASEMENT  
RM TC1B TE ELEVATIONS  
SCALE: NTS

BLDG 53 ATTIC  
RM 304 TE ELEVATIONS  
SCALE: NTS

BLDG 88 FIRST FLOOR  
RM 100A TE ELEVATIONS  
SCALE: NTS

BLDG 89 SECOND FLOOR  
RM 200 TE ELEVATIONS  
SCALE: NTS

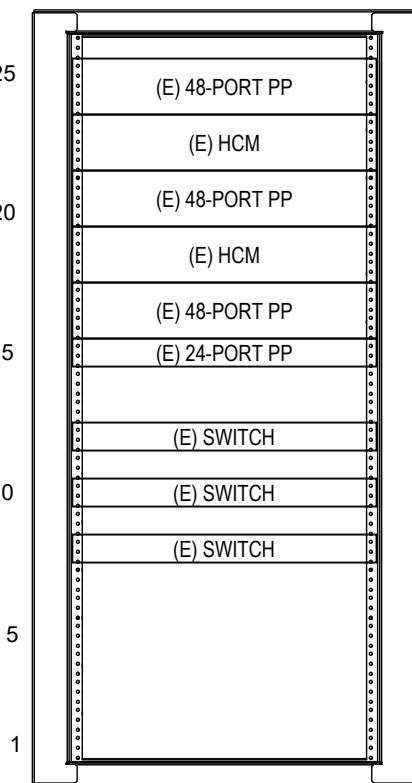
GENERAL NOTES

1. RACK ELEVATIONS MANY VARY SLIGHTLY FROM EXACT RU LOCATIONS.

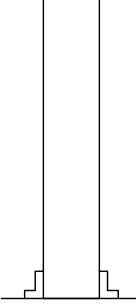
PLAN NOTES

1 NOT USED

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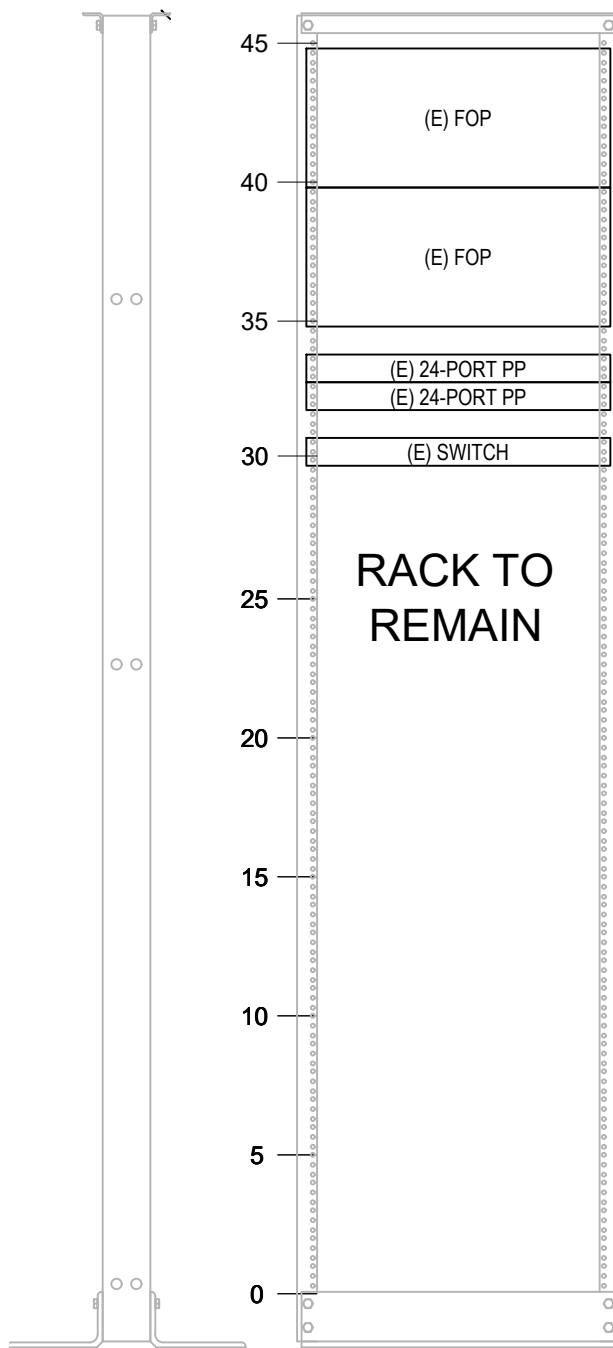


(E) FLOOR  
MOUNTED UPS



BLDG 90 SECOND FLOOR  
RM 200 TE ELEVATIONS  
SCALE: NTS

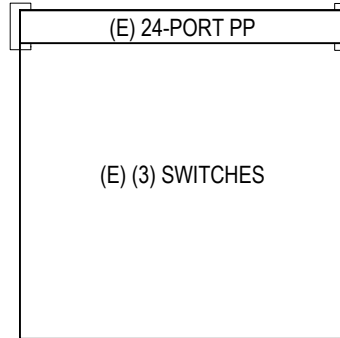
(E) RK-102-1



BLDG 110 FIRST FLOOR  
RM 102 TR ELEVATIONS  
SCALE: NTS

(E) QTY:3 SWITCHES  
(E) QTY:1 PATCH PANEL  
VERTICALLY MOUNTED

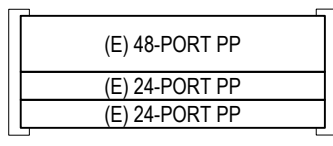
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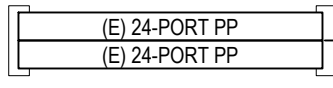
BLDG 113 BASEMENT - NORTH  
RM TCBA TE ELEVATIONS  
SCALE: NTS

WALL MOUNT  
BRACKETS

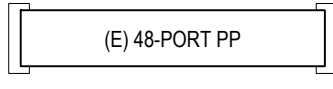
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(E) RK-TCBA-2



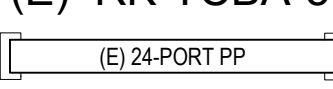
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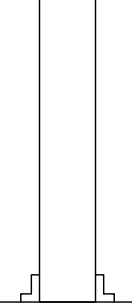
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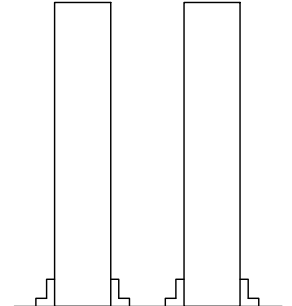
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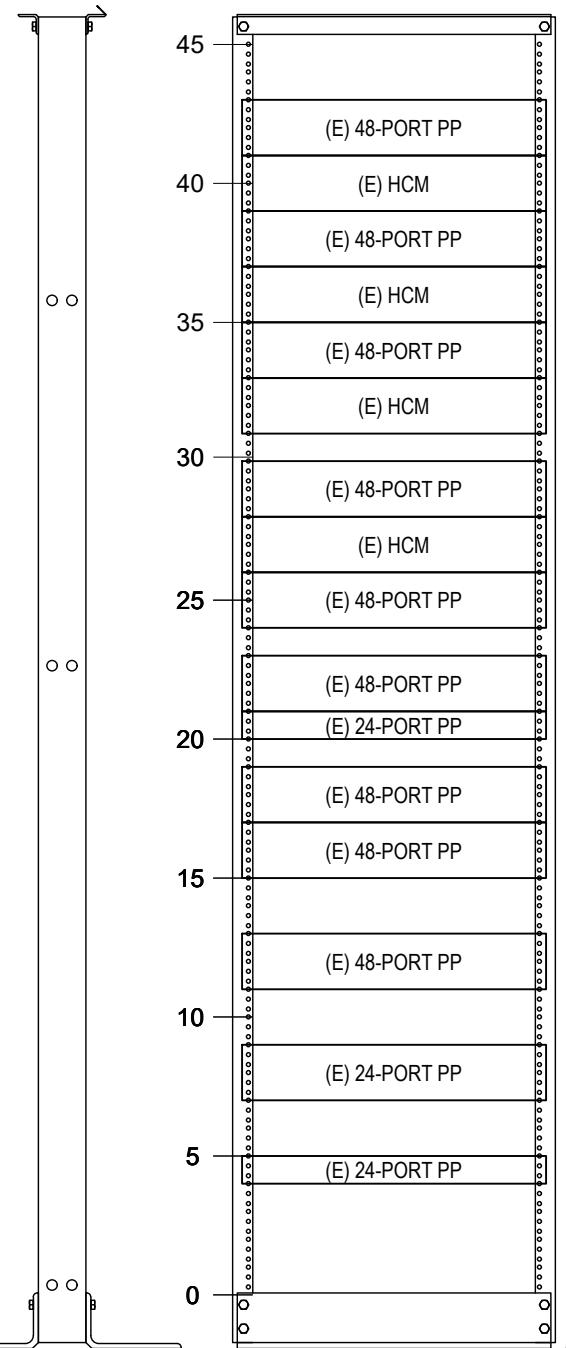
(E) FLOOR  
MOUNTED UPS



QTY:2 (E) FLOOR  
MOUNTED UPS

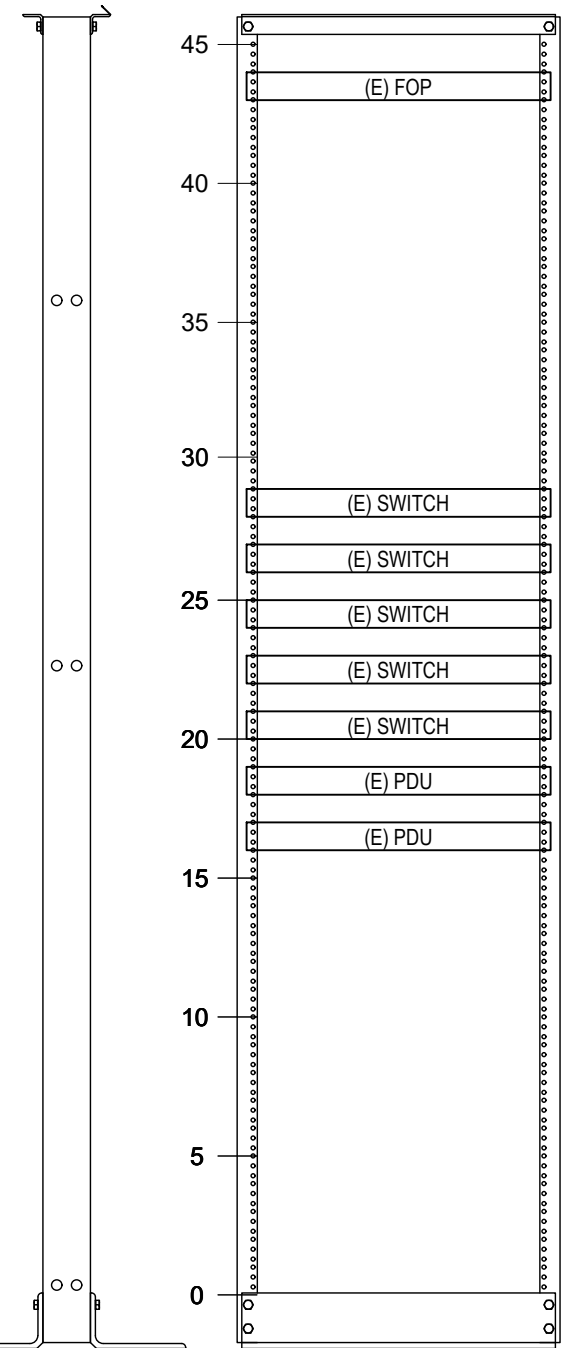


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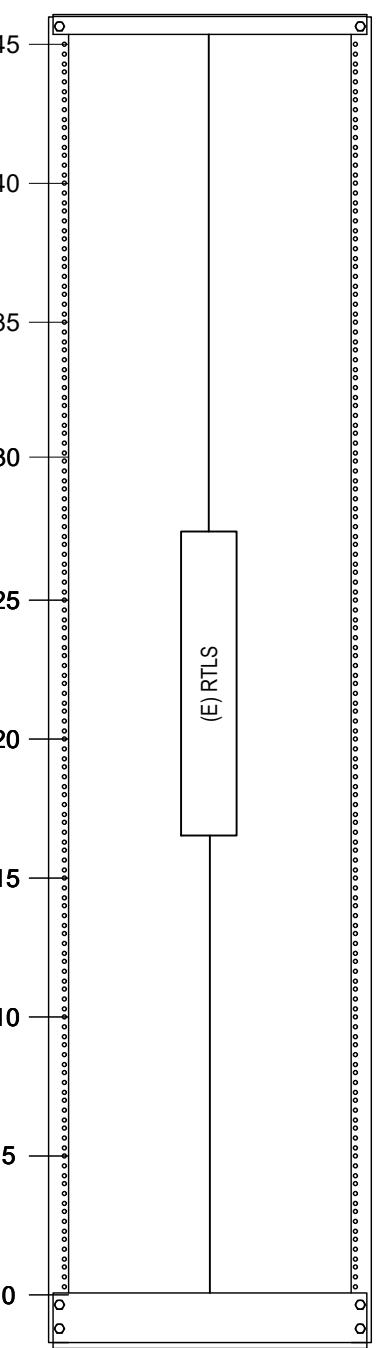


BLDG 113 FIRST FLOOR - NORTH  
RM TCS103 TR ELEVATIONS  
SCALE: NTS

(E) RK-TCS103-2



(E) RK-TCS103-3



4-POST  
RACK

Revisions:	Date:

CONSULTANT

LOW VOLTAGE  
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LACEY, WA 98503  
541.436.4723  
DAVE CLEM, RCDD

ARCHITECT/ENGINEER OF RECORD

A/E  
GDM  
1308 NE 134TH ST SUITE 4  
VANCOUVER, WA 98685  
541.436.4723  
ADAM GODDIN, PE



STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



DRAWING TITLE

EXISTING TELECOMM RACK  
ELEVATIONS

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

RES

PROJECT NUMBER

568-21-701

BUILDING NUMBER

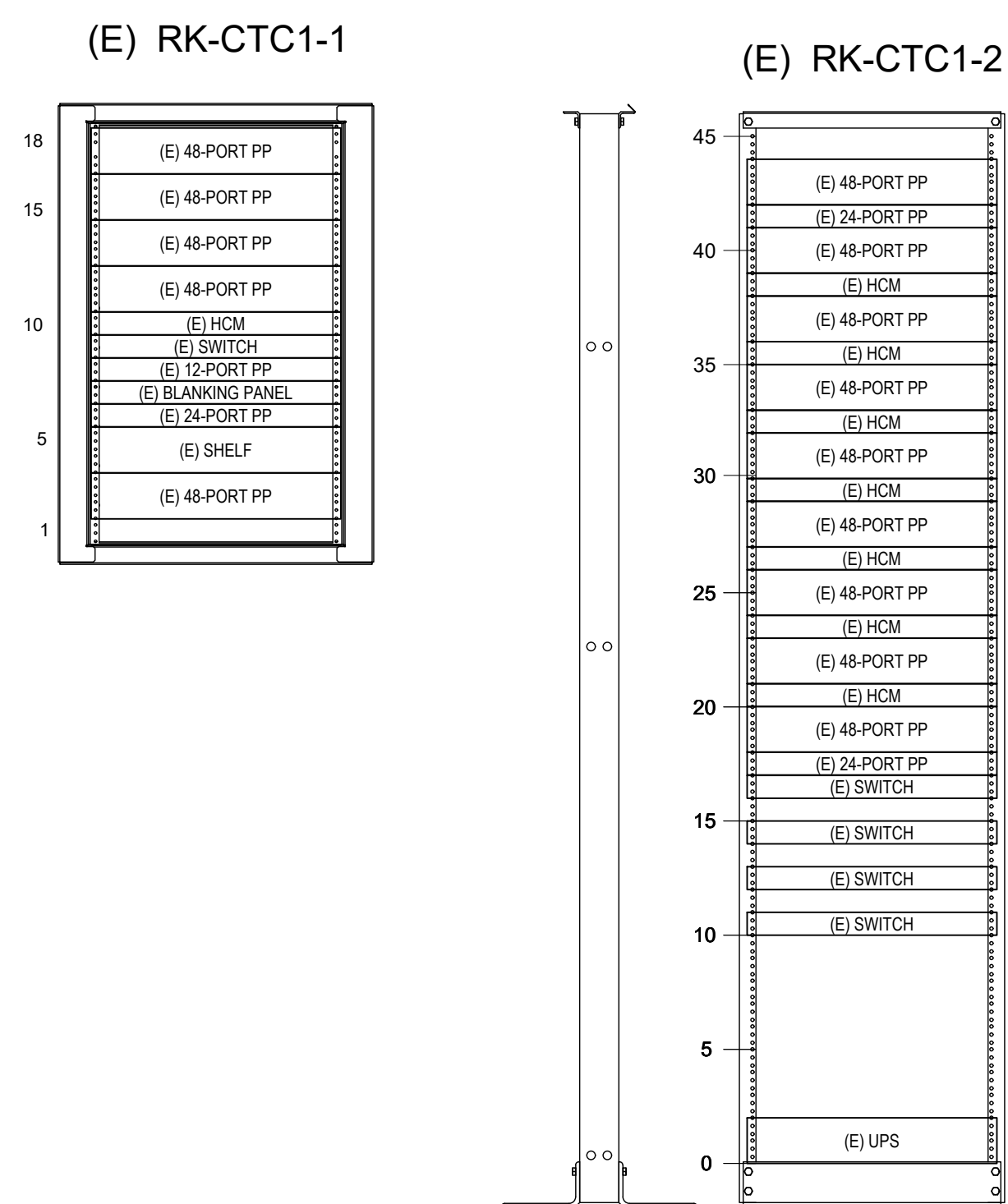
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DRAWING NUMBER

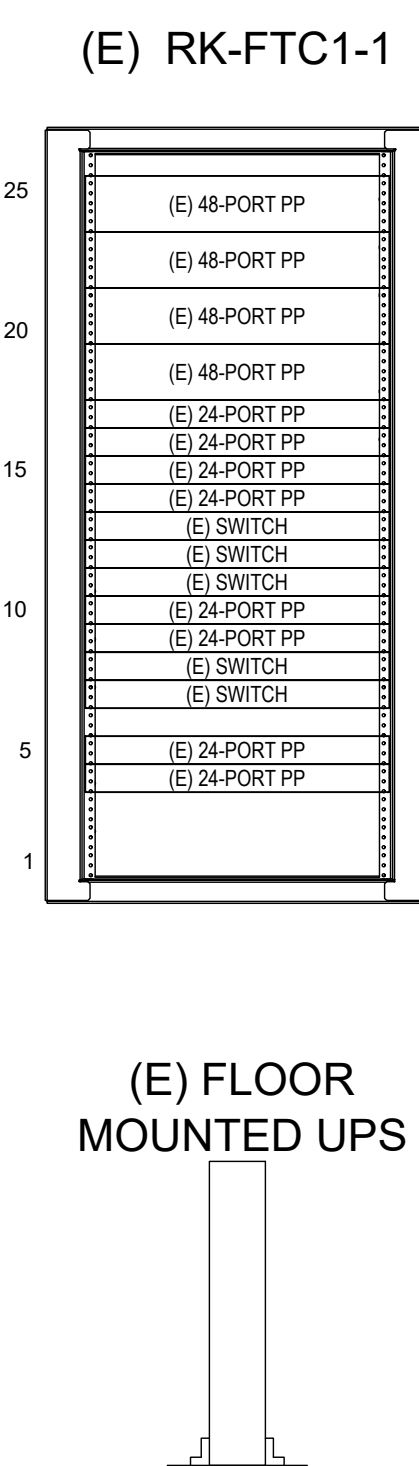
TJ-001



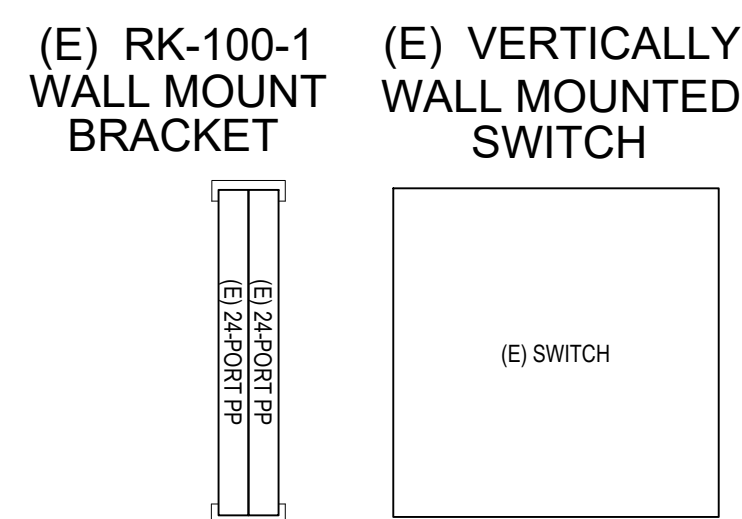




BLDG 148 FIRST FLOOR - B  
RM CTC1 TR ELEVATIONS  
SCALE: NTS

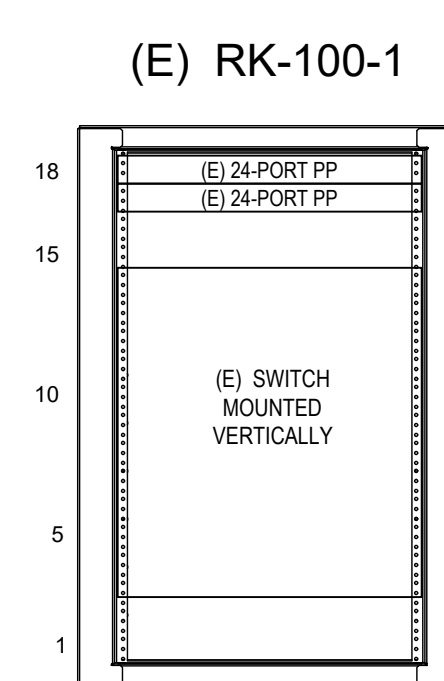


BLDG 148 FIRST FLOOR - G  
RM FTC1 TE ELEVATIONS  
SCALE: NTS



IN ROOF ACCESS  
LADDER SPACE  
ABOVE RM 100

BLDG T171 FIRST FLOOR  
RM 100 TE ELEVATIONS  
SCALE: NTS



BLDG T296 FIRST FLOOR  
RM 100 TE ELEVATIONS  
SCALE: NTS

## GENERAL NOTES

1. RACK ELEVATIONS MAY VARY SLIGHTLY FROM EXACT RU LOCATIONS.

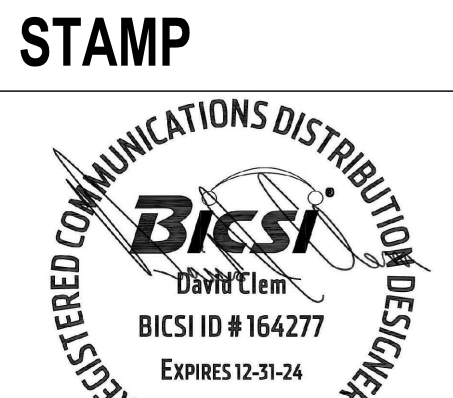
## PLAN NOTES

① NOT USED

[illegible]

**LOW VOLTAGE**  
**GDM**  
**4317 6TH AVE SE, SUITE 300**  
**LACEY, WA 98503**  
**541.436.4723**  
**DAVE CLEM, RCDD**

**A/E**  
**GDM**  
**1308 NE 134TH ST SUITE A**  
**VANCOUVER, WA 98685**  
**541.436.4723**  
**ADAM GODDIN, PE**



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

FOR OFFICIAL USE ONLY (FOUO)

FULLY SPRINKLERED

<b>CHECKED BY</b>	
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**TJ-004**



1	2	3	4	5	6	7	8	9	10																														
EXISTING CATEGORY CABLES FOR DEMOLITION - RM 102 - RK 1 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TCBA- TE RK 2					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TCBA- TE RK 5					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC5103 - TR RK 1					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC5103 - TR RK 1					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC5103 - TR RK 1					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC5103 - TR RK 1									
PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY
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PATCH PANEL 34	110	2	107	AP08	PATCH PANEL 2	113	2	B26 D2	1	PATCH PANEL 1	113	2	30B	1	PATCH PANEL 43	113	2	S202-D2	1	PATCH PANEL 35	113	2	S225-D6	1	PATCH PANEL 27	113	2	D21002A	1	PATCH PANEL 21	113	2	AP41	NOTE 1	PATCH PANEL 19	113	2	D112D1B	1
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					PATCH PANEL 2	113	22	B29 D8	1	PATCH PANEL 1	113	22	S210-D10	1	PATCH PANEL 43	113	22	S210-D10	1	PATCH PANEL 35	113	22	S225-D26	1	PATCH PANEL 27	113	22	D21010E	1	PATCH PANEL 21	113	22	D112D2G	1	PATCH PANEL 19	113	22	D112D2H	1
					PATCH PANEL 2	113	23	B34A D1	1	PATCH PANEL 1	113	23	S210-D11	1	PATCH PANEL 43	113	23	S210-D11	1	PATCH PANEL 35	113	23	S225-D27	1	PATCH PANEL 27	113	23	D21010F	1	PATCH PANEL 21	113	23	D112D2I	1	PATCH PANEL 19	113	23	D112D2J	1
					PATCH PANEL 2	113	24	B34 D2	1	PATCH PANEL 1	113	24	S210-D12	1	PATCH PANEL 43	113	24	S210-D12	1	PATCH PANEL 35	113	24	S225-D28	1	PATCH PANEL 27	113	24	D21010G	1	PATCH PANEL 21	113	24	D112D2K	1	PATCH PANEL 19	113	24	D112D2L	1
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9</td><td>113</td><td>11</td><td>S104</td><td>AP52</td></tr><tr><td>PATCH PANEL 9</td><td>113</td><td>12</td><td>AP53</td><td>NOTE 1</td></tr><tr><td>PATCH PANEL 9</td><td>113</td><td>13</td><td>S124</td><td>AP54</td></tr><tr><td>PATCH PANEL 9</td><td>113</td><td>14</td><td>CS101</td><td>AP55</td></tr><tr><td>PATCH PANEL 9</td><td>113</td><td>15</td><td>AP56</td><td>NOTE 1</td></tr><tr><td>PATCH PANEL 9</td><td>113</td><td>16</td><td>AP57</td><td>NOTE 1</td></tr><tr><td>PATCH PANEL 9</td><td>113</td><td>17</td><td>CS101A</td><td>AP58</td></tr><tr><td>PATCH PANEL 9</td><td>113</td><td>18-24</td><td>NO CABLE</td><td></td></tr><tr><td>PATCH PANEL 5</td><td>113</td><td>1</td><td>NO LABEL</td><td>NOTE 1</td></tr><tr><td>PATCH PANEL 5</td><td>113</td><td>2</td><td>AP45</td><td>NOTE 1</td></tr><tr><td>PATCH PANEL 5</td><td>113</td><td>3-24</td><td>NO CABLE</td><td></td></tr><tr><td>EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC1A - TR RK 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35</td><td>113</td><td>31</td><td>119-14</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>32</td><td>119-15</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>33</td><td>119-16</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>34</td><td>119-17</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>35</td><td>119-18</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>36</td><td>119-19</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>37</td><td>119-20</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>38</td><td>119-21</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>39</td><td>119-22</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>40</td><td>119-23</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>41</td><td>119-24</td><td>1</td></tr><tr><td>PATCH PANEL 35</td><td>113</td><td>42</td><td>119-25</td><td>1</td></tr><tr><td>PATCH PANEL 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LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL 13	113	1	D132D1C	1	PATCH PANEL 13	113	2	D132D1C	1	PATCH PANEL 13	113	3	D132D2A	1	PATCH PANEL 13	113	4	D132D2B	1	PATCH PANEL 13	113	5	D132D3A	1	PATCH PANEL 13	113	6	D132D3B	1	PATCH PANEL 13	113	7	D132D4A	1	PATCH PANEL 13	113	8	D132D4B	1	PATCH PANEL 13	113	9	D132D5B	1	PATCH PANEL 13	113	10	D132D5B	1	PATCH PANEL 13	113	11	D132D5A	1	PATCH PANEL 13	113	12	D132D6B	1	PATCH PANEL 13	113	13	D132D7A	1	PATCH PANEL 13	113	14	D132D8A	1	PATCH PANEL 13	113	15	D132D9A	1	PATCH PANEL 13	113	16	D132D9B	1	PATCH PANEL 13	113	17	D132D9C	1	PATCH PANEL 13	113	18	D132D10A	1	PATCH PANEL 13	113	19	D132D10B	1	PATCH PANEL 13	113	20	D132D10C	1	PATCH PANEL 13	113	21	D132D11A	1	PATCH PANEL 13	113	22	D132D11B	1	PATCH PANEL 13	113	23	D132D11C	1	PATCH PANEL 13	113	24	D132D12A	1	PATCH PANEL 13	113	25	D132D12B	1	PATCH PANEL 13	113	26	D132D12C	1	PATCH PANEL 13	113	27	D141D1A	1	PATCH PANEL 13	113	28	D141D1B	1	PATCH PANEL 13	113	29	D141D2A	1	PATCH PANEL 13	113	30	D141D2B	1	PATCH PANEL 13	113	31	D142D1A	1	PATCH PANEL 13	113	32	D142D1B	1	PATCH PANEL 13	113	33	D142D2A	1	PATCH PANEL 13	113	34	D142D2B	1	PATCH PANEL 13	113	35	D143D1A	1	PATCH PANEL 13	113	36	D143D1B	1	PATCH PANEL 13	113	37	D143D2A	1	PATCH PANEL 13	113	38	D143D2B	1	PATCH PANEL 13	113	39	D143D3A	1	PATCH PANEL 13	113	40	D143D3B	1	PATCH PANEL 13	113	41	D143D4A	1	PATCH PANEL 13	113	42	D143D4B	1	PATCH PANEL 13	113	43	D143D5A	1	PATCH PANEL 13	113	44	D143D5B	1	PATCH PANEL 13	113	45	D143D6A	1	PATCH PANEL 13	113	46	D143D6B	1	PATCH PANEL 13	113	47	D143D7A	1	PATCH PANEL 13	113	48	D143D7B	1	PATCH PANEL 9	113	1	CS101B	AP42	PATCH PANEL 9	113	2	AP43	NOTE 1	PATCH PANEL 9	113	3	CS101B	AP44	PATCH PANEL 9	113	4	NO CABLE		PATCH PANEL 9	113	5	S143	AP46	PATCH PANEL 9	113	6	AP47	NOTE 1	PATCH PANEL 9	113	7	CS101C	AP48	PATCH PANEL 9	113	8	S146	AP49	PATCH PANEL 9	113	9	SCS102	AP50	PATCH PANEL 9	113	10	SCS101	NOTE 1	PATCH PANEL 9	113	11	S104	AP52	PATCH PANEL 9	113	12	AP53	NOTE 1	PATCH PANEL 9	113	13	S124	AP54	PATCH PANEL 9	113	14	CS101	AP55	PATCH PANEL 9	113	15	AP56	NOTE 1	PATCH PANEL 9	113	16	AP57	NOTE 1	PATCH PANEL 9	113	17	CS101A	AP58	PATCH PANEL 9	113	18-24	NO CABLE		PATCH PANEL 5	113	1	NO LABEL	NOTE 1	PATCH PANEL 5	113	2	AP45	NOTE 1	PATCH PANEL 5	113	3-24	NO CABLE		EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC1A - TR RK 1					PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL 44	113	1	101-A	1	PATCH PANEL 44	113	2	101-A	1	PATCH PANEL 44	113	3	102-1	1	PATCH PANEL 44	113	4	102-2	1	PATCH PANEL 44	113	5	102-3	1	PATCH PANEL 44	113	6	102-4	1	PATCH PANEL 44	113	7	103-1	1	PATCH PANEL 44	113	8	103-2	1	PATCH PANEL 44	113	9	103-3	1	PATCH PANEL 44	113	10	103-4	1	PATCH PANEL 44	113	11	104-1	1	PATCH PANEL 44	113	12	104-2	1	PATCH PANEL 44	113	13	105-1	1	PATCH PANEL 44	113	14	105-2	1	PATCH PANEL 44	113	15	106-1	1	PATCH PANEL 44	113	16	106-2	1	PATCH PANEL 44	113	17	107-1	1	PATCH PANEL 44	113	18	107-2	1	PATCH PANEL 44	113	19	105-3	1	PATCH PANEL 44	113	20	105-4	1	PATCH PANEL 44	113	21	108-1	1	PATCH PANEL 44	113	22	108-2	1	PATCH PANEL 44	113	23	108-1	1	PATCH PANEL 44	113	24	109-2	1	PATCH PANEL 44	113	25	110-1	1	PATCH PANEL 44	113	26	110-2	1	PATCH PANEL 44	113	27	111-1	1	PATCH PANEL 44	113	28	111-2	1	PATCH PANEL 44	113	29	113-1	1	PATCH PANEL 44	113	30	113-2	1	PATCH PANEL 44	113	31	114-1	1	PATCH PANEL 44	113	32	114-2	1	PATCH PANEL 44	113	33	119-33	1	PATCH PANEL 44	113	34	119-34	1	PATCH PANEL 44	113	35	119-35	1	PATCH PANEL 44	113	36	119-36	1	PATCH PANEL 44	113	37	119A-1	1	PATCH PANEL 44	113	38	119A-2	1	PATCH PANEL 44	113	39	116-1	1	PATCH PANEL 44	113	40	116-2	1	PATCH PANEL 44	113	41	118-1	1	PATCH PANEL 44	113	42	118-2	1	PATCH PANEL 44	113	43	118A-3	1	PATCH PANEL 44	113	44	119A-4	1	PATCH PANEL 44	113	45	117-1	1	PATCH PANEL 44	113	46	117-2	1	PATCH PANEL 44	113	47	119A-5	1	PATCH PANEL 44	113	48	119A-6	1	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL 41	113	1	115-1	1	PATCH PANEL 41	113	2	115A-1	1	PATCH PANEL 41	113	3	112A-1	1	PATCH PANEL 41	113	4	112A-2	1	PATCH PANEL 41	113	5	114-1	1	PATCH PANEL 41	113	6	114-2	1	PATCH PANEL 41	113	7	122-1	1	PATCH PANEL 41	113	8	122-2	1	PATCH PANEL 41	113	9	122A-1	1	PATCH PANEL 41	113	10	122A-2	1	PATCH PANEL 41	113	11	122B-1	1	PATCH PANEL 41	113	12	122B-2	1	PATCH PANEL 41	113	13	122B-3	1	PATCH PANEL 41	113	14	122B-4	1	PATCH PANEL 41	113	15	123A-1	1	PATCH PANEL 41	113	16	123A-2	1	PATCH PANEL 41	113	17	123A-3	1	PATCH PANEL 41	113	18	123A-4	1	PATCH PANEL 41	113	19	123A-5	1	PATCH PANEL 41	113	20	123A-6	1	PATCH PANEL 41	113	21	123A-7	1	PATCH PANEL 41	113	22	123A-8	1	PATCH PANEL 41	113	23	123A-9	1	PATCH PANEL 41	113	24	123A-10	1	PATCH PANEL 41	113	25	123B-1	1	PATCH PANEL 41	113	26	123B-2	1	PATCH PANEL 41	113	27	126-1	1	PATCH PANEL 41	113	28	126-2	1	PATCH PANEL 41	113	29	126-3	1	PATCH PANEL 41	113	30	126-4	1	PATCH PANEL 41	113	31	126-5	1	PATCH PANEL 41	113	32	126-6	1	PATCH PANEL 41	113	33	126-7	1	PATCH PANEL 41	113	34	126-8	1	PATCH PANEL 41	113	35	127-1	1	PATCH PANEL 41	113	36	127-2	1	PATCH PANEL 41	113	37	127A-1	1	PATCH PANEL 41	113	38	127A-2	1	PATCH PANEL 41	113	39	127B-1	1	PATCH PANEL 41	113	40	127B-2	1	PATCH PANEL 41	113	41	127C-1	1	PATCH PANEL 41	113	42	127C-2	1	PATCH PANEL 41	113	43	127E-1	1	PATCH PANEL 41	113	44	127E-2	1	PATCH PANEL 41	113	45	127F-1	1	PATCH PANEL 41	113	46	127F-2	1	PATCH PANEL 41	113	47	127G-1	1	PATCH PANEL 41	113	48	127G-2	1	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL 35	113	1	189-2	1	PATCH PANEL 35	113	2	189-3	1	PATCH PANEL 35	113	3	189-4	1	PATCH PANEL 35	113	4	189-5	1	PATCH PANEL 35	113	5	189-6	1	PATCH PANEL 35	113	6	189-7	1	PATCH PANEL 35	113	7	189-8	1	PATCH PANEL 35	113	8	189-9	1	PATCH PANEL 35	113	9	189A-1	1	PATCH PANEL 35	113	10	173-1	1	PATCH PANEL 35	113	11	173-2	1	PATCH PANEL 35	113	12	173-3	1	PATCH PANEL 35	113	13	173-4	1	PATCH PANEL 35	113	14	173-5	1	PATCH PANEL 35	113	15	173-6	1	PATCH PANEL 35	113	16	173-7	1	PATCH PANEL 35	113	17	173-8	1	PATCH PANEL 35	113	18	119-1	1	PATCH PANEL 35	113	19	119-2	1	PATCH PANEL 35	113	20	119-3	1	PATCH PANEL 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36</td><td>113</td><td>43</td><td>183G-2</td><td>1</td></tr><tr><td>PATCH PANEL 36</td><td>113</td><td>44</td><td>183H-1</td><td>1</td></tr><tr><td>PATCH PANEL 36</td><td>113</td><td>45</td><td>183H-2</td><td>1</td></tr><tr><td>PATCH PANEL 36</td><td>113</td><td>46</td><td>183I-1</td><td>1</td></tr><tr><td>PATCH PANEL 36</td><td>113</td><td>47</td><td>183I-2</td><td>1</td></tr><tr><td>PATCH PANEL 36</td><td>113</td><td>48</td><td>183J-1</td><td>1</td></tr></table></div><div><div>D</div><div><table><tr><td>PATCH PANEL 33</td><td>113</td><td>1</td><td>183J-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>2</td><td>183J-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>3</td><td>183J-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>4</td><td>183K-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>5</td><td>183K-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>6</td><td>183L-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>7</td><td>183L-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>8</td><td>183M-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>9</td><td>183M-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>10</td><td>183N-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>11</td><td>183N-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>12</td><td>183O-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>13</td><td>183O-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>14</td><td>183P-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>15</td><td>183P-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>16</td><td>183Q-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>17</td><td>183Q-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>18</td><td>183R-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>19</td><td>183R-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>20</td><td>183S-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>21</td><td>183S-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>22</td><td>183V-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>23</td><td>183V-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>24</td><td>183V-3</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>25</td><td>183V-4</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>26</td><td>184-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>27</td><td>184-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>28</td><td>184-3</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>29</td><td>184-4</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>30</td><td>185-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>31</td><td>185-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>32</td><td>187D-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>33</td><td>187D-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>34</td><td>187D-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>35</td><td>187D-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>36</td><td>187E-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>37</td><td>187E-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>38</td><td>187E-3</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>39</td><td>187E-4</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>40</td><td>187F-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>41</td><td>187F-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>42</td><td>187G-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>43</td><td>187G-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>44</td><td>187H-1</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>45</td><td>187H-2</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>46</td><td>187H-3</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>47</td><td>187H-4</td><td>1</td></tr><tr><td>PATCH PANEL 33</td><td>113</td><td>48</td><td>187H-5</td><td>1</td></tr></table></div></div><div><div>C</div><div><table><tr><th colspan="5">EXISTING CATEGORY CABLES FOR DEMOLITION - RM EC1F - TR RK 1</th></tr><tr><th>PATCH PANEL - LOCATION</th><th>BLDG</th><th>PORT #</th><th>RM</th><th>CABLE QTY</th></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>1</td><td>187I-6</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>2</td><td>187K-1</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>3</td><td>187L-1</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>4</td><td>187L-2</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>5</td><td>187P-1</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>6</td><td>187P-2</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>7</td><td>187P-3</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>8</td><td>187P-4</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>9</td><td>187Q-1</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>10</td><td>187R-1</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>11</td><td>187S-1</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>12</td><td>188A-1</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>13</td><td>188A-2</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>14</td><td>188A-3</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>15</td><td>188A-4</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>16</td><td>188L-1</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>17</td><td>188L-2</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>18</td><td>179-1</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>19</td><td>179-2</td><td>1</td></tr><tr><td>PATCH PANEL 30</td><td>113</td><td>20</td><td>178-1</td><td>1&lt;/</td></tr></table></div></div></div></div></div></div>	EXISTING CATEGORY CABLES FOR DEMOLITION - RM EC1F - TR RK 1					PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL 45	113	1	191-1	1	PATCH PANEL 45	113	2	191-2	1	PATCH PANEL 45	113	3	191-3	1	PATCH PANEL 45	113	4	191-4	1	PATCH PANEL 45	113	5	191-5	1	PATCH PANEL 45	113	6	191-6	1	PATCH PANEL 45	113	7	191-7	1	PATCH PANEL 45	113	8	191-8	1	PATCH PANEL 45	113	9	191-9	1	PATCH PANEL 45	113	10	191-10	1	PATCH PANEL 45	113	11	191-11	1	PATCH PANEL 45	113	12	191-12	1	PATCH PANEL 45	113	13	191-13	1	PATCH PANEL 45	113	14	191-14	1	PATCH PANEL 45	113	15	MONITOR	NOTE 1	PATCH PANEL 45	113	16	176AD021	1	PATCH PANEL 45	113	17	176AD022	1	PATCH PANEL 45	113	18	DOOR LOCKS	NOTE 1	PATCH PANEL 45	113	19	183UD1	1	PATCH PANEL 45	113	20	183UD2	1	PATCH PANEL 45	113	21	18206	1	PATCH PANEL 45	113	22	183HF3	1	PATCH PANEL 45	113	23	183HD4	1	PATCH PANEL 45	113	24	183HD4	1	PATCH PANEL 44	113	1	176A-1	1	PATCH PANEL 44	113	2	176A-2	1	PATCH PANEL 44	113	3	176A-3	1	PATCH PANEL 44	113	4	176A-4	1	PATCH PANEL 44	113	5	176A-5	1	PATCH PANEL 44	113	6	176A-6	1	PATCH PANEL 44	113	7	176A-7	1	PATCH PANEL 44	113	8	176A-8	1	PATCH PANEL 44	113	9	176A-9	1	PATCH PANEL 44	113	10	176A-10	1	PATCH PANEL 44	113	11	176A-11	1	PATCH PANEL 44	113	12	176A-12	1	PATCH PANEL 44	113	13	176B-1	1	PATCH PANEL 44	113	14	176B-2	1	PATCH PANEL 44	113	15	176B-3	1	PATCH PANEL 44	113	16	176B-4	1	PATCH PANEL 44	113	17	184-1	1	PATCH PANEL 44	113	18	184-2	1	PATCH PANEL 44	113	19	184-3	1	PATCH PANEL 44	113	20	184-4	1	PATCH PANEL 44	113	21	184-5	1	PATCH PANEL 44	113	22	184-6	1	PATCH PANEL 44	113	23	184A-1	1	PATCH PANEL 44	113	24	184A-2	1	PATCH PANEL 44	113	25	184B-1	1	PATCH PANEL 44	113	26	184B-2	1	PATCH PANEL 44	113	27	184C-1	1	PATCH PANEL 44	113	28	184C-2	1	PATCH PANEL 44	113	29	184D-1	1	PATCH PANEL 44	113	30	184D-2	1	PATCH PANEL 44	113	31	184E-1	1	PATCH PANEL 44	113	32	184E-2	1	PATCH PANEL 44	113	33	184F-1	1	PATCH PANEL 44	113	34	184F-2	1	PATCH PANEL 44	113	35	184G-1	1	PATCH PANEL 44	113	36	184G-2	1	PATCH PANEL 44	113	37	184H-1	1	PATCH PANEL 44	113	38	184H-2	1	PATCH PANEL 44	113	39	184I-1	1	PATCH PANEL 44	113	40	184I-2	1	PATCH PANEL 44	113	41	184L-1	1	PATCH PANEL 44	113	42	188L	1	PATCH PANEL 44	113	43	184K-1	1	PATCH PANEL 44	113	44	184K-2	1	PATCH PANEL 44	113	45	184L-1	1	PATCH PANEL 44	113	46	184L-2	1	PATCH PANEL 44	113	47	183I-1	1	PATCH PANEL 44	113	48	184K-2	1	PATCH PANEL 41	113	1	185-1	1	PATCH PANEL 41	113	2	185-2	1	PATCH PANEL 41	113	3	186-1	1	PATCH PANEL 41	113	4	186-2	1	PATCH PANEL 41	113	5	186-3	1	PATCH PANEL 41	113	6	186-4	1	PATCH PANEL 41	113	7	186A-1	1	PATCH PANEL 41	113	8	186A-2	1	PATCH PANEL 41	113	9	186B-1	1	PATCH PANEL 41	113	10	186B-2	1	PATCH PANEL 41	113	11	186C-1	1	PATCH PANEL 41	113	12	186C-2	1	PATCH PANEL 41	113	13	186D-1	1	PATCH PANEL 41	113	14	186D-2	1	PATCH PANEL 41	113	15	186E-1	1	PATCH PANEL 41	113	16	186E-2	1	PATCH PANEL 41	113	17	186G-1	1	PATCH PANEL 41	113	18	186G-2	1	PATCH PANEL 41	113	19	186H-1	1	PATCH PANEL 41	113	20	186H-2	1	PATCH PANEL 41	113	21	186I-1	1	PATCH PANEL 41	113	22	186J-2	1	PATCH PANEL 41	113	23	186K-1	1	PATCH PANEL 41	113	24	186K-2	1	PATCH PANEL 41	113	25	186K-3	1	PATCH PANEL 41	113	26	186K-4	1	PATCH PANEL 41	113	27	186L-1	1	PATCH PANEL 41	113	28	186L-2	1	PATCH PANEL 41	113	29	186M-1	1	PATCH PANEL 41	113	30	186M-2	1	PATCH PANEL 41	113	31	186N-1	1	PATCH PANEL 41	113	32	186N-2	1	PATCH PANEL 41	113	33	187-1	1	PATCH PANEL 41	113	34	187-2	1	PATCH PANEL 41	113	35	187A-1	1	PATCH PANEL 41	113	36	187A-2	1	PATCH PANEL 41	113	37	187A-3	1	PATCH PANEL 41	113	38	188-1	1	PATCH PANEL 41	113	39	188-2	1	PATCH PANEL 41	113	40	188-3	1	PATCH PANEL 41	113	41	188A-1	1	PATCH PANEL 41	113	42	188-5	1	PATCH PANEL 41	113	43	188-6	1	PATCH PANEL 41	113	44	188-7	1	PATCH PANEL 41	113	45	188-8	1	PATCH PANEL 41	113	46	188-9	1	PATCH PANEL 41	113	47	188-10	1	PATCH PANEL 41	113	48	188A-1	1	EXISTING CATEGORY CABLES FOR DEMOLITION - RM EC1F - TR RK 1					PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL 38	113	1	188A-2	1	PATCH PANEL 38	113	2	188A-3	1	PATCH PANEL 38	113	3	188A-4	1	PATCH PANEL 38	113	4	188A-5	1	PATCH PANEL 38	113	5	188A-6	1	PATCH PANEL 38	113	6	182A-1	1	PATCH PANEL 38	113	7	182A-2	1	PATCH PANEL 38	113	8	182A-3	1	PATCH PANEL 38	113	9	182A-4	1	PATCH PANEL 38	113	10	182B-1	1	PATCH PANEL 38	113	11	182B-2	1	PATCH PANEL 38	113	12	182C-1	1	PATCH PANEL 38	113	13	182C-2	1	PATCH PANEL 38	113	14	182D-1	1	PATCH PANEL 38	113	15	182D-2	1	PATCH PANEL 38	113	16	182D-3	1	PATCH PANEL 38	113	17	182D-4	1	PATCH PANEL 38	113	18	182E-1	1	PATCH PANEL 38	113	19	182E-2	1	PATCH PANEL 38	113	20	182F-1	1	PATCH PANEL 38	113	21	182F-2	1	PATCH PANEL 38	113	22	182G-1	1	PATCH PANEL 38	113	23	182G-2	1	PATCH PANEL 38	113	24	182F-1	1	PATCH PANEL 36	113	1	182H-2	1	PATCH PANEL 36	113	2	182H-1	1	PATCH PANEL 36	113	3	182I-2	1	PATCH PANEL 36	113	4	182H-1	1	PATCH PANEL 36	113	5	182G-2	1	PATCH PANEL 36	113	6	182P-1	1	PATCH PANEL 36	113	7	182P-2	1	PATCH PANEL 36	113	8	182Q-1	1	PATCH PANEL 36	113	9	182Q-2	1	PATCH PANEL 36	113	10	182R-1	1	PATCH PANEL 36	113	11	182R-2	1	PATCH PANEL 36	113	12	182S-1	1	PATCH PANEL 36	113	13	182S-2	1	PATCH PANEL 36	113	14	182T-1	1	PATCH PANEL 36	113	15	182T-2	1	PATCH PANEL 36	113	16	182U-1	1	PATCH PANEL 36	113	17	182U-2	1	PATCH PANEL 36	113	18	182V-1	1	PATCH PANEL 36	113	19	182V-2	1	PATCH PANEL 36	113	20	182V-3	1	PATCH PANEL 36	113	21	182V-4	1	PATCH PANEL 36	113	22	182X-1	1	PATCH PANEL 36	113	23	182X-2	1	PATCH PANEL 36	113	24	182X-3	1	PATCH PANEL 36	113	25	182X-4	1	PATCH PANEL 36	113	26	182A-1	1	PATCH PANEL 36	113	27	183A-2	1	PATCH PANEL 36	113	28	183A-3	1	PATCH PANEL 36	113	29	183A-4	1	PATCH PANEL 36	113	30	183B-1	1	PATCH PANEL 36	113	31	183B-2	1	PATCH PANEL 36	113	32	183C-1	1	PATCH PANEL 36	113	33	183C-2	1	PATCH PANEL 36	113	34	183D-1	1	PATCH PANEL 36	113	35	183D-2	1	PATCH PANEL 36	113	36	183D-3	1	PATCH PANEL 36	113	37	183D-4	1	PATCH PANEL 36	113	38	183E-1	1	PATCH PANEL 36	113	39	183E-2	1	PATCH PANEL 36	113	40	183F-1	1	PATCH PANEL 36	113	41	183F-2	1	PATCH PANEL 36	113	42	183G-1	1	PATCH PANEL 36	113	43	183G-2	1	PATCH PANEL 36	113	44	183H-1	1	PATCH PANEL 36	113	45	183H-2	1	PATCH PANEL 36	113	46	183I-1	1	PATCH PANEL 36	113	47	183I-2	1	PATCH PANEL 36	113	48	183J-1	1	PATCH PANEL 33	113	1	183J-2	1	PATCH PANEL 33	113	2	183J-1	1	PATCH PANEL 33	113	3	183J-2	1	PATCH PANEL 33	113	4	183K-1	1	PATCH PANEL 33	113	5	183K-2	1	PATCH PANEL 33	113	6	183L-1	1	PATCH PANEL 33	113	7	183L-2	1	PATCH PANEL 33	113	8	183M-1	1	PATCH PANEL 33	113	9	183M-2	1	PATCH PANEL 33	113	10	183N-1	1	PATCH PANEL 33	113	11	183N-2	1	PATCH PANEL 33	113	12	183O-1	1	PATCH PANEL 33	113	13	183O-2	1	PATCH PANEL 33	113	14	183P-1	1	PATCH PANEL 33	113	15	183P-2	1	PATCH PANEL 33	113	16	183Q-1	1	PATCH PANEL 33	113	17	183Q-2	1	PATCH PANEL 33	113	18	183R-1	1	PATCH PANEL 33	113	19	183R-2	1	PATCH PANEL 33	113	20	183S-1	1	PATCH PANEL 33	113	21	183S-2	1	PATCH PANEL 33	113	22	183V-1	1	PATCH PANEL 33	113	23	183V-2	1	PATCH PANEL 33	113	24	183V-3	1	PATCH PANEL 33	113	25	183V-4	1	PATCH PANEL 33	113	26	184-1	1	PATCH PANEL 33	113	27	184-2	1	PATCH PANEL 33	113	28	184-3	1	PATCH PANEL 33	113	29	184-4	1	PATCH PANEL 33	113	30	185-1	1	PATCH PANEL 33	113	31	185-2	1	PATCH PANEL 33	113	32	187D-1	1	PATCH PANEL 33	113	33	187D-2	1	PATCH PANEL 33	113	34	187D-1	1	PATCH PANEL 33	113	35	187D-2	1	PATCH PANEL 33	113	36	187E-1	1	PATCH PANEL 33	113	37	187E-2	1	PATCH PANEL 33	113	38	187E-3	1	PATCH PANEL 33	113	39	187E-4	1	PATCH PANEL 33	113	40	187F-1	1	PATCH PANEL 33	113	41	187F-2	1	PATCH PANEL 33	113	42	187G-1	1	PATCH PANEL 33	113	43	187G-2	1	PATCH PANEL 33	113	44	187H-1	1	PATCH PANEL 33	113	45	187H-2	1	PATCH PANEL 33	113	46	187H-3	1	PATCH PANEL 33	113	47	187H-4	1	PATCH PANEL 33	113	48	187H-5	1	EXISTING CATEGORY CABLES FOR DEMOLITION - RM EC1F - TR RK 1					PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL 30	113	1	187I-6	1	PATCH PANEL 30	113	2	187K-1	1	PATCH PANEL 30	113	3	187L-1	1	PATCH PANEL 30	113	4	187L-2	1	PATCH PANEL 30	113	5	187P-1	1	PATCH PANEL 30	113	6	187P-2	1	PATCH PANEL 30	113	7	187P-3	1	PATCH PANEL 30	113	8	187P-4	1	PATCH PANEL 30	113	9	187Q-1	1	PATCH PANEL 30	113	10	187R-1	1	PATCH PANEL 30	113	11	187S-1	1	PATCH PANEL 30	113	12	188A-1	1	PATCH PANEL 30	113	13	188A-2	1	PATCH PANEL 30	113	14	188A-3	1	PATCH PANEL 30	113	15	188A-4	1	PATCH PANEL 30	113	16	188L-1	1	PATCH PANEL 30	113	17	188L-2	1	PATCH PANEL 30	113	18	179-1	1	PATCH PANEL 30	113	19	179-2	1	PATCH PANEL 30	113	20	178-1	1</
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EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC1A - RK 1 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC2A - RK 1 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC2A - RK 1 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC2A - RK 1 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC3A - RK 1 TE					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC3A - RK 1 TE					EXISTING CATEGORY CABLES FOR DEMOLITION - RM TC3A - RK 1 TE				
PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY
PATCH PANEL 36	145	1	JOHNCONT 124-1	1	PATCH PANEL 44	145	1	216-1	1	PATCH PANEL 40	145	1	240-1	1	PATCH PANEL 6	145	1	AP19	NOTE 1	PATCH PANEL 10	145	1	313A.2	1	PATCH PANEL 6	145	1	335-2	1	PATCH PANEL 2	145	1	327A-7	1
PATCH PANEL 36	145	2	JOHNCONT 124-2	1	PATCH PANEL 44	145	2	216-2	1	PATCH PANEL 40	145	2	240-2	1	PATCH PANEL 6	145	2	336B	AP20	PATCH PANEL 10	145	2	319.3	1	PATCH PANEL 6	145	2	335-3	1	PATCH PANEL 2	145	2	327A-8	1
PATCH PANEL 36	145	3	JOHNCONT 122A-1	1	PATCH PANEL 44	145	3	217A-3	1	PATCH PANEL 40	145	3	241-1	1	PATCH PANEL 6	145	3	247C	AP21	PATCH PANEL 10	145	3	319.4	1	PATCH PANEL 6	145	3	336-1	1	PATCH PANEL 2	145	3	327A1-1	1
PATCH PANEL 36	145	4	JOHNCONT 122A-2	1	PATCH PANEL 44	145	4	217A-4	1	PATCH PANEL 40	145	4	241-2	1	PATCH PANEL 6	145	4	248	AP22	PATCH PANEL 10	145	4	319.7	1	PATCH PANEL 6	145	4	336-2	1	PATCH PANEL 2	145	4	327A1-2	1
PATCH PANEL 36	145	5	JOHNCONT MR1-1	1	PATCH PANEL 44	145	5	217A-1	1	PATCH PANEL 40	145	5	242-1	1	PATCH PANEL 6	145	5	233	AP23	PATCH PANEL 10	145	5	319.8	1	PATCH PANEL 6	145	5	336-3	1	PATCH PANEL 2	145	5	327A1-3	1
PATCH PANEL 36	145	6	104-1-D1	1	PATCH PANEL 44	145	6	217A-2	1	PATCH PANEL 40	145	6	242-2	1	PATCH PANEL 6	145	6	205	NOTE 1	PATCH PANEL 10	145	6	313B.1	1	PATCH PANEL 6	145	6	337-1	1	PATCH PANEL 2	145	6	327A1-4	1
PATCH PANEL 36	145	7	104-2-D1	1	PATCH PANEL 44	145	7	217B-3	1	PATCH PANEL 40	145	7	243-1	1	PATCH PANEL 6	145	7	235	AP33	PATCH PANEL 10	145	7	313B.4	1	PATCH PANEL 6	145	7	337-2	1	PATCH PANEL 2	145	7	327A2-1	1
PATCH PANEL 36	145	8	104-2-D2	1	PATCH PANEL 44	145	8	217B-4	1	PATCH PANEL 40	145	8	243-2	1	PATCH PANEL 6	145	8	AP16	NOTE 1	PATCH PANEL 10	145	8	313B.7	1	PATCH PANEL 6	145	8	337-3	1	PATCH PANEL 2	145	8	327A2-2	1
PATCH PANEL 36	145	9	104-3-D1	1	PATCH PANEL 44	145	9	217B-1	1	PATCH PANEL 40	145	9	248-1	1	PATCH PANEL 6	145	9	215C2	AP26	PATCH PANEL 10	145	9	313B.8	1	PATCH PANEL 6	145	9	337-4	1	PATCH PANEL 2	145	9	327A2-3	1
PATCH PANEL 36	145	10	104-4-D1	1	PATCH PANEL 44	145	10	217B-2	1	PATCH PANEL 40	145	10	248-2	1	PATCH PANEL 6	145	10	217B	AP27	PATCH PANEL 10	145	10	313B11	1	PATCH PANEL 6	145	10	337-5	1	PATCH PANEL 2	145	10	327A2-4	1
PATCH PANEL 36	145	11	104-4-D2	1	PATCH PANEL 44	145	11	217C-1	1	PATCH PANEL 40	145	11	248-3	1	PATCH PANEL 6	145	11	220	AP28	PATCH PANEL 10	145	11	313B12	1	PATCH PANEL 6	145	11	337-6	1	PATCH PANEL 2	145	11	327A3-1	1
PATCH PANEL 36	145	12	106-1-D1	1	PATCH PANEL 44	145	12	217C-2	1	PATCH PANEL 40	145	12	248-4	1	PATCH PANEL 6	145	12	208	AP29	PATCH PANEL 10	145	12	313B.3	1	PATCH PANEL 6	145	12	338-1	1	PATCH PANEL 2	145	12	327A3-2	1
PATCH PANEL 36	145	13	104-1B	AP01	PATCH PANEL 44	145	13	217C-3	1	PATCH PANEL 40	145	13	248-5	1	PATCH PANEL 6	145	13	224	AP30	PATCH PANEL 10	145	13	313B.4	1	PATCH PANEL 6	145	13	338-2	1	PATCH PANEL 2	145	13	327A3-3	1
PATCH PANEL 36	145	14	ST1B / 108	AP02	PATCH PANEL 44	145	14	217C-4	1	PATCH PANEL 40	145	14	248-6	1	PATCH PANEL 6	145	14	228A	AP25	PATCH PANEL 10	145	14	OP.3	NOTE 1	PATCH PANEL 6	145	14	338-3	1	PATCH PANEL 2	145	14	327A3-4	1
PATCH PANEL 36	145	15	110	AP03	PATCH PANEL 44	145	15	217D-1	1	PATCH PANEL 40	145	15	248-6	1	PATCH PANEL 6	145	15	228D	AP31	PATCH PANEL 10	145	15	OP.4	NOTE 1	PATCH PANEL 6	145	15	338-4	1	PATCH PANEL 2	145	15	330.3	1
PATCH PANEL 36	145	16	115A	AP04	PATCH PANEL 44	145	16	217D-2	1	PATCH PANEL 40	145	16	250-2	1	PATCH PANEL 6	145	16	228E	AP32	PATCH PANEL 10	145	16	OP.7	NOTE 1	PATCH PANEL 6	145	16	338-5	1	PATCH PANEL 2	145	16	345-1	1
PATCH PANEL 36	145	17	108	AP05	PATCH PANEL 44	145	17	217D-3	1	PATCH PANEL 40	145	17	251-1	1	PATCH PANEL 6	145	17	OP.9	NOTE 1	PATCH PANEL 10	145	17	OP.9	NOTE 1	PATCH PANEL 6	145	17	338-6	1	PATCH PANEL 2	145	17	345-2	1
PATCH PANEL 36	145	18	ST1A	AP06	PATCH PANEL 44	145	18	217D-4	1	PATCH PANEL 40	145	18	251-2	1	PATCH PANEL 6	145	18	OP.11	NOTE 1	PATCH PANEL 10	145	18	OP.11	NOTE 1	PATCH PANEL 6	145	18	341A-1	1	PATCH PANEL 2	145	18	PENT HSE-1	NOTE 1
PATCH PANEL 36	145	19	C101	AP07	PATCH PANEL 44	145	19	220-1	1	PATCH PANEL 40	145	19	252-1	1	PATCH PANEL 6	145	19	OP.12	NOTE 1	PATCH PANEL 10	145	19	OP.12	NOTE 1	PATCH PANEL 6	145	19	341A-2	1	PATCH PANEL 2	145	19	PENT HSE-2	NOTE 1
PATCH PANEL 36	145	20	AP08	NOTE 1	PATCH PANEL 44	145	20	220-2	1	PATCH PANEL 40	145	20	252-2	1	PATCH PANEL 6	145	20	OP.15	NOTE 1	PATCH PANEL 10	145	20	OP.15	NOTE 1	PATCH PANEL 6	145	20	341A-3	1	PATCH PANEL 2	145	20	PENT HSE-3	NOTE 1
PATCH PANEL 36	145	21	13SD	AP09	PATCH PANEL 44	145	21	220-3	1	PATCH PANEL 40	145	21	253-1	1	PATCH PANEL 6	145	21	OP.16	NOTE 1	PATCH PANEL 10	145	21	OP.16	NOTE 1	PATCH PANEL 6	145	21	341A-4	1	PATCH PANEL 2	145	21	PENT HSE-4	NOTE 1
PATCH PANEL 36	145	22	13SA	AP10	PATCH PANEL 44	145	22	220-4	1	PATCH PANEL 40	145	22	253-2	1	PATCH PANEL 6	145	22	OP.19	NOTE 1	PATCH PANEL 10	145	22	OP.19	NOTE 1	PATCH PANEL 6	145	22	341A-5	1	PATCH PANEL 2	145	22	NO LABEL	NOTE 1
PATCH PANEL 36	145	23	C102	AP11	PATCH PANEL 44	145	23	221-1	1	PATCH PANEL 40	145	23	254-1	1	PATCH PANEL 6	145	23	OP.20	NOTE 1	PATCH PANEL 10	145	23	OP.20	NOTE 1	PATCH PANEL 6	145	23	331D1	1	PATCH PANEL 2	145	23	331D1	1
PATCH PANEL 36	145	24	130B	AP12	PATCH PANEL 44	145	24	221-2	1	PATCH PANEL 40	145	24	254-2	1	PATCH PANEL 6	145	24	OP.23	NOTE 1	PATCH PANEL 10	145	24	OP.23	NOTE 1	PATCH PANEL 6	145	24	341B-1	1	PATCH PANEL 2	145	24	331D2	1
PATCH PANEL 35	145	1	130	AP13	PATCH PANEL 44	145	25	221-3	1	PATCH PANEL 40	145	25	247B-1	1	PATCH PANEL 6	145	25	OP.24	NOTE 1	PATCH PANEL 10	145	25	OP.24	NOTE 1	PATCH PANEL 6	145	25	341B-2	1	PATCH PANEL 2	145	25	331D7	1
PATCH PANEL 35	145	2	101	AP14	PATCH PANEL 44	145	26	221-4	1	PATCH PANEL 40	145	26	247B-2	1	PATCH PANEL 6	145	26	317.3	1	PATCH PANEL 10	145	26	317.3	1	PATCH PANEL 6	145	26	341B-3	1	PATCH PANEL 2	145	30	331D8	1
PATCH PANEL 35	145	3	153	AP15	PATCH PANEL 44																													

[illegible]

**LOW VOLTAGE**  
**GDM**  
**4317 6TH AVE SE, SUITE 300**  
**LACEY, WA 98503**  
**541.436.4723**  
**DAVE CLEM, RCDD**

**A/E**  
**GDM**  
**1308 NE 134TH ST SUITE A**  
**VANCOUVER, WA 98685**  
**541.436.4723**  
**ADAM GODDIN, PE**



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

**APPROVED:** Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE  
100% CONSTRUCTION  
DOCUMENTS

**FLS**

## FULLY SPRINKLED

PROJECT TITLE  
EHRM INFRASTRUCTURE  
UPGRADES

LOCATION  
FORT MEADE, SOUTH DAKOTA

11/05/2024

DJC

RES

PROJECT NUMBER  
568-21-701

BUILDING NUMBER  
 000-000-000-000

DRAWING NUMBER

**TJ-009**

## SCHEDULE NOTES

1. CONTRACTOR TO TRACE CABLEING AND CONFIRM LOCATION OF OUTLET. ASSUME APPROX. 200FT OF CABLE. CONTRACTOR TO REMOVE EXISTING TELECOMM OUTLET. IF SURFACE MOUNTED TELECOMM OUTLET REMOVE FACE PLATE, JACKS, RACEWAY, BOX AND CABLEING BACK TO PATCH PANELS. CONTRACTOR TO PATCH AND PAINT WALL AS REQUIRED TO MATCH EXISTING SURFACE. IF TELECOMM OUTLET IS RECESSED CONTRACTOR TO REMOVE FACE PLATE, JACKS, AND CABLEING BACK TO PATCH PANELS. RACEWAY AND BACK BOXES TO REMAIN. PROVIDE BLANK, STAINLESS STEEL, 1 OR 2 GANG FACE PLATE.



EXISTING CATEGORY CABLES FOR DEMOLITION - RM CTC1 - RK 2 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM CTC1 - RK 2 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM CTC1 - RK 2 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM FTC1- RK 1 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM FTC1- RK 1 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM FTC1- RK 1 TR					EXISTING CATEGORY CABLES FOR DEMOLITION - RM FTC1- RK 1 TR				
PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY	PATCH PANEL - LOCATION	BLDG	PORT #	RM	CABLE QTY
PATCH PANEL 35	148	1	C100D1	1	PATCH PANEL 29	148	1	B108A-1	1	PATCH PANEL 23	148	1	122.1 D1	1	PATCH PANEL 25	148	1	E100-1	1	PATCH PANEL 21	148	1	E125-1	1	PATCH PANEL 17	148	1	GD103A	1	PATCH PANEL 4	148	1	E139	AP61
PATCH PANEL 35	148	2	C100D2	1	PATCH PANEL 29	148	2	B108A-2	1	PATCH PANEL 23	148	2	122.1 D2	1	PATCH PANEL 25	148	2	EM100-1	1	PATCH PANEL 21	148	2	E125-2	1	PATCH PANEL 17	148	2	DG103B	1	PATCH PANEL 4	148	2	E141	AP62
PATCH PANEL 35	148	3-4	NO LABEL	NOTE 1	PATCH PANEL 29	148	3	B108B-1	1	PATCH PANEL 23	148	3	122.1 D3	1	PATCH PANEL 25	148	3	EM100-2	1	PATCH PANEL 21	148	3	G125-1	1	PATCH PANEL 17	148	3	DG103C	1	PATCH PANEL 4	148	3	E151	AP63
PATCH PANEL 35	148	5	D133D1	1	PATCH PANEL 29	148	4	B108B-2	1	PATCH PANEL 23	148	4	122.1 D4	1	PATCH PANEL 25	148	4	G100-1	1	PATCH PANEL 21	148	4	G125-2	1	PATCH PANEL 17	148	4	DG103D	1	PATCH PANEL 4	148	4	AP64	NOTE 1
PATCH PANEL 35	148	6	D133D2	1	PATCH PANEL 29	148	5	B113A-1	1	PATCH PANEL 23	148	5	121 D1	1	PATCH PANEL 25	148	5	E100-1	1	PATCH PANEL 21	148	5	E126-1	1	PATCH PANEL 17	148	5	EW 1	NOTE 1	PATCH PANEL 4	148	5	E106	AP65
PATCH PANEL 35	148	7	D133D3	1	PATCH PANEL 29	148	6	B113A-2	1	PATCH PANEL 23	148	6	121 D2	1	PATCH PANEL 25	148	6	F101-1	1	PATCH PANEL 21	148	6	E126-2	1	PATCH PANEL 17	148	6	EE 1	NOTE 1	PATCH PANEL 4	148	6	E115	AP66
PATCH PANEL 35	148	8	D133D4	1	PATCH PANEL 29	148	7	B113B-1	1	PATCH PANEL 23	148	7	121 D3	1	PATCH PANEL 25	148	7	F101-2	1	PATCH PANEL 21	148	7	G126-1	1	PATCH PANEL 17	148	7	EN 1	NOTE 1	PATCH PANEL 4	148	7	E117	AP67
PATCH PANEL 35	148	9	D136D1	1	PATCH PANEL 29	148	8	B113B-2	1	PATCH PANEL 23	148	8	121 D4	1	PATCH PANEL 25	148	8	G101-1	1	PATCH PANEL 21	148	8	G126-2	1	PATCH PANEL 17	148	8	EN 2	NOTE 1	PATCH PANEL 4	148	8	E110	AP68
PATCH PANEL 35	148	10	D136D2	1	PATCH PANEL 29	148	9	B141A-1	1	PATCH PANEL 23	148	9	120 D1	1	PATCH PANEL 25	148	9	FM101-1	1	PATCH PANEL 21	148	9	E127-1	1	PATCH PANEL 17	148	9	ES 1	NOTE 1	PATCH PANEL 4	148	9	E100	AP69
PATCH PANEL 35	148	11	D135D1	1	PATCH PANEL 29	148	10	B141A-2	1	PATCH PANEL 23	148	10	120 D2	1	PATCH PANEL 25	148	10	FM101-2	1	PATCH PANEL 21	148	10	E127-2	1	PATCH PANEL 17	148	10	ES 2	NOTE 1	PATCH PANEL 4	148	10	G100	AP70
PATCH PANEL 35	148	12	D135D2	1	PATCH PANEL 29	148	11	B141B-1	1	PATCH PANEL 23	148	11	120 D3	1	PATCH PANEL 25	148	11	F102-1	1	PATCH PANEL 21	148	11	G127-1	1	PATCH PANEL 17	148	11	GE 1	NOTE 1	PATCH PANEL 4	148	11	AP71	NOTE 1
PATCH PANEL 35	148	13	NO LABEL	NOTE 1	PATCH PANEL 29	148	12	B141B-2	1	PATCH PANEL 23	148	12	120 D4	1	PATCH PANEL 25	148	12	F102-2	1	PATCH PANEL 21	148	12	G127-2	1	PATCH PANEL 17	148	12	GE 2	NOTE 1	PATCH PANEL 4	148	12	AP79	NOTE 1
PATCH PANEL 35	148	14	DOOR LOCKS	NOTE 1	PATCH PANEL 29	148	13	B142A-1	1	PATCH PANEL 23	148	13	119 D1	1	PATCH PANEL 25	148	13	G102-1	1	PATCH PANEL 21	148	13	E128-1	1	PATCH PANEL 17	148	13	GN 1	NOTE 1	PATCH PANEL 4	148	13	FC100	AP80
PATCH PANEL 35	148	15	MH D1	NOTE 1	PATCH PANEL 29	148	14	B142A-2	1	PATCH PANEL 23	148	14	119 D2	1	PATCH PANEL 25	148	14	E103-1	1	PATCH PANEL 21	148	14	E128-2	1	PATCH PANEL 17	148	14	GN 2	NOTE 1					
PATCH PANEL 35	148	16	MH D2	NOTE 1	PATCH PANEL 29	148	15	B142B-1	1	PATCH PANEL 23	148	15	119 D3	1	PATCH PANEL 25	148	15	G103-1	1	PATCH PANEL 21	148	15	G129-1	1	PATCH PANEL 17	148	15	GS 1	NOTE 1					
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PATCH PANEL 35	148	20	C102A1 D2	1	PATCH PANEL 29	148	19	NO LABEL	NOTE 1	PATCH PANEL 23	148	19	118.1 D3	1	PATCH PANEL 25	148	19	G106-1	1	PATCH PANEL 21	148	19	G130-1	1	PATCH PANEL 17	148	19	G112	1					
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PATCH PANEL 35	148	33	126A-D1	1	PATCH PANEL 29	148	30	B146A-2	1	PATCH PANEL 23	148	30	116.1 D2	1	PATCH PANEL 25	148																		



GENERAL NOTES

- SEE SITE AND FLOOR PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ALL FIBER OPTIC CABLES ARE TO BE FIELD TERMINATED ON BOTH ENDS WITH SPLICE CASSETTES. ALL LENGTHS LISTED IN THE MATRIX, SHOWN ON 000-TG-001, ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.
- SEE FLOOR PLANS FOR SUGGESTED LOCATION OF FIBER CABINET. COORDINATE ALTERNATE MOUNTING LOCATIONS WITH COR AND A/E TEAM.

PLAN NOTES

- PROVIDE LEVITON OPT-X UHDX ANGLED ENCLOSURE #HDX1A-144 AND REAR CABLE MANAGER FOR ANGLED PANEL #E2XHD-CMB WITH (4) SPLCH-12GN LC SPLICE CASSETTES. OR APPROVED EQUAL.
- PROVIDE LEVITON OPT-X UHDX ANGLED ENCLOSURE #HDX1A-144 AND REAR CABLE MANAGER FOR ANGLED PANEL #E2XHD-CMB WITH (4) SPLCH-12AQ LC SPLICE CASSETTES AND (2) SPLCH-12GN LC SPLICE CASSETTES. OR APPROVED EQUAL.
- PROVIDE LEVITON OPT-X UHDX ANGLED ENCLOSURE #HDX1A-144 AND REAR CABLE MANAGER FOR ANGLED PANEL #E2XHD-CMB WITH (4) SPLCH-12AQ LC SPLICE CASSETTES AND (6) SPLCH-12GN LC SPLICE CASSETTES. OR APPROVED EQUAL.
- PROVIDE LEVITON OPT-X UHDX ANGLED ENCLOSURE #HDX1A-144 AND REAR CABLE MANAGER FOR ANGLED PANEL #E2XHD-CMB WITH (12) SPLCH-12GN LC SPLICE CASSETTES. OR APPROVED EQUAL.
- PROVIDE LEVITON OPT-X UHDX ANGLED ENCLOSURE #HDX1A-144 AND REAR CABLE MANAGER FOR ANGLED PANEL #E2XHD-CMB WITH (10) SPLCH-12GN LC SPLICE CASSETTES. OR APPROVED EQUAL.
- PROVIDE LEVITON OPT-X UHDX ANGLED ENCLOSURE #HDX1A-144 AND REAR CABLE MANAGER FOR ANGLED PANEL #E2XHD-CMB WITH (2) SPLCH-12AQ LC SPLICE CASSETTES AND (1) SPLCH-12GN LC SPLICE CASSETTES. OR APPROVED EQUAL.
- PROVIDE LEVITON OPT-X UHDX ANGLED ENCLOSURE #HDX1A-144 AND REAR CABLE MANAGER FOR ANGLED PANEL #E2XHD-CMB WITH (2) SPLCH-12AQ LC SPLICE CASSETTES AND (5) SPLCH-12GN LC SPLICE CASSETTES. OR APPROVED EQUAL.
- PROVIDE LEVITON OPT-X UHDX FLAT ENCLOSURE #HDX1U-F96 AND REAR CABLE MANAGER FOR ANGLED PANEL #E2XHD-CMB WITH (4) SPLCH-12GN LC SPLICE CASSETTES. OR APPROVED EQUAL.

FIBER OPTIC CABLE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER
①	24-STRAND PLENUM RATED INDOOR/OUTDOOR OS2 SINGLEMODE LOOSE TUBE FIBEROPTIC CABLE.	SUPERIOR ESSEX	F462-024U13-E991
②	PLENUM RATED HYBRID 12-STRAND OS2 SINGLEMODE AND 24-STRAND OM4 MULTIMODE TIGHT BUFFERED FIBEROPTIC CABLE.	SUPERIOR ESSEX	F410-036UAJ-K991-024
③	48-STRAND PLENUM RATED INDOOR/OUTDOOR OM4 MULTIMODE TIGHT BUFFERED FIBEROPTIC CABLE.	SUPERIOR ESSEX	F410-048UAJ-K991
NOTE: LISTED MANUFACTURER IS BASIS OF DESIGN. ALTERNATE MANUFACTURERS ARE ALLOWED ON AN APPROVED EQUAL BASIS.			

FIBER BACKBONE ONE LINE DIAGRAM  
SCALE: NTS

Revisions:	Date:

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AND FACILITIES  
MANAGEMENT



DRAWING TITLE

FIBER ONE LINE DIAGRAM

APPROVED: Project Director

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PHASE

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DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

RES

PROJECT NUMBER

568-21-701

BUILDING NUMBER

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DRAWING NUMBER

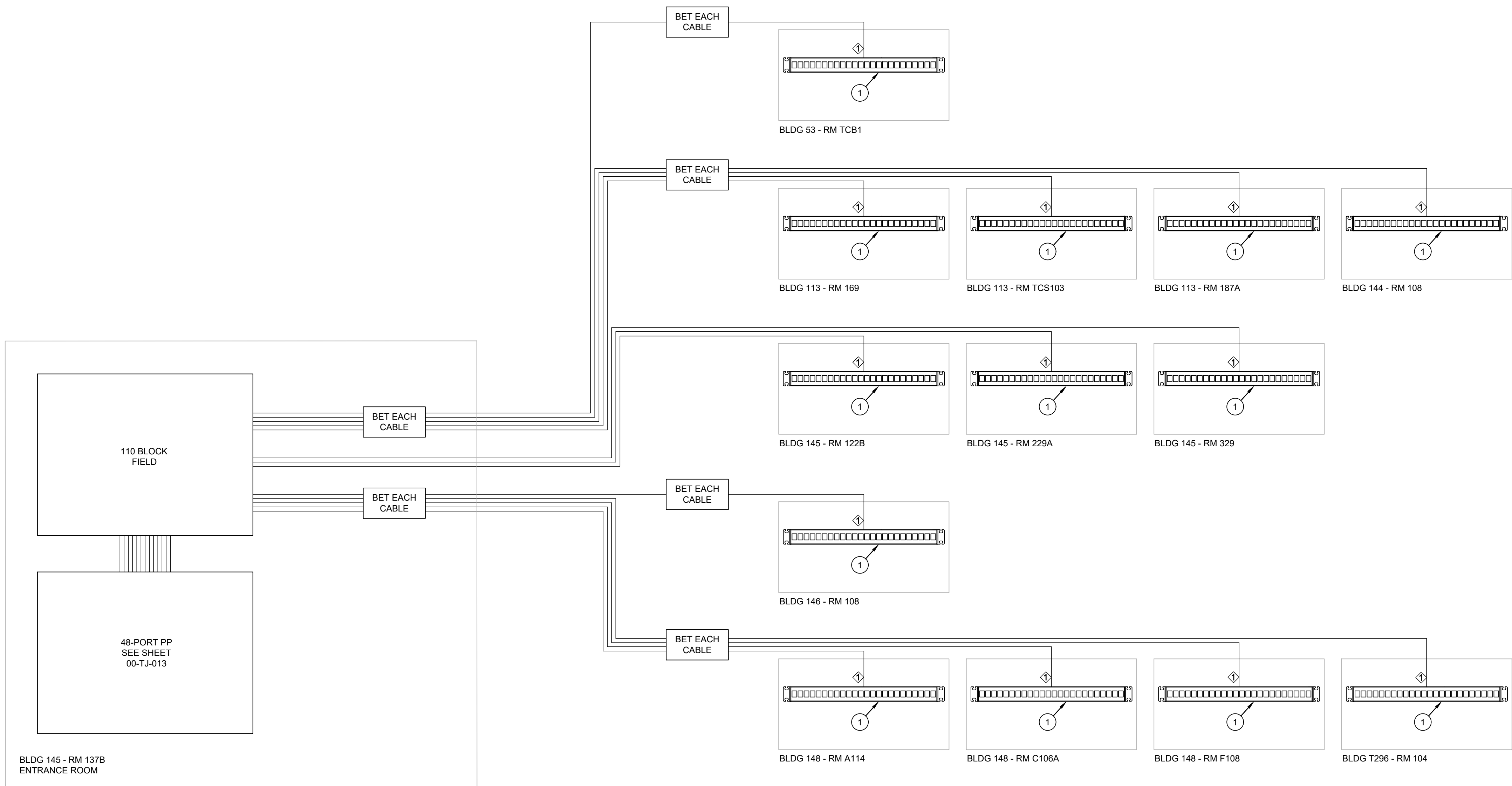
TJ-011

GENERAL NOTES

1. SEE SITE AND FLOOR PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. ALL COPPER CABLES ARE TO BE TERMINATED ON WALL MOUNTED BETs ON BOTH ENDS AND EXTENDED TO RACK MOUNTED PATCH PANELS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS. CONTRACTOR SHALL PROVIDE 10' OF ADDITIONAL LENGTH AT EACH END AND 16' WITHIN EACH VAULT FOR SERVICE LOOPS.

PLAN NOTES

- 1 PROVIDE UNLOADED LEVITON ANGLED 24-PORT 1RU PATCH PANEL #A9286-H24 OR APPROVED EQUAL FULLY POPULATED WITH BLACK JACK #5G106-RES3 OR APPROVED EQUAL.



1  
TJ-002  
COPPER BACKBONE ONE LINE DIAGRAM  
SCALE: NTS

ANALOG COPPER CABLE SCHEDULE			
SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER
1	25yr MEGAPIC OSP BACKBONE CATEGORY 5 CABLE.	SUPERIOR ESSEX	04-097-31
NOTE: LISTED MANUFACTURER IS BASIS OF DESIGN. ALTERNATE MANUFACTURERS ARE ALLOWED ON AN APPROVED EQUAL BASIS.			

Revisions:	Date:

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MANAGEMENT



DRAWING TITLE

COPPER ONE LINE DIAGRAM

APPROVED: Project Director

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PHASE

100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DJC

DRAWN BY

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PROJECT NUMBER

568-21-701

BUILDING NUMBER

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DRAWING NUMBER

TJ-012

A

B

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A

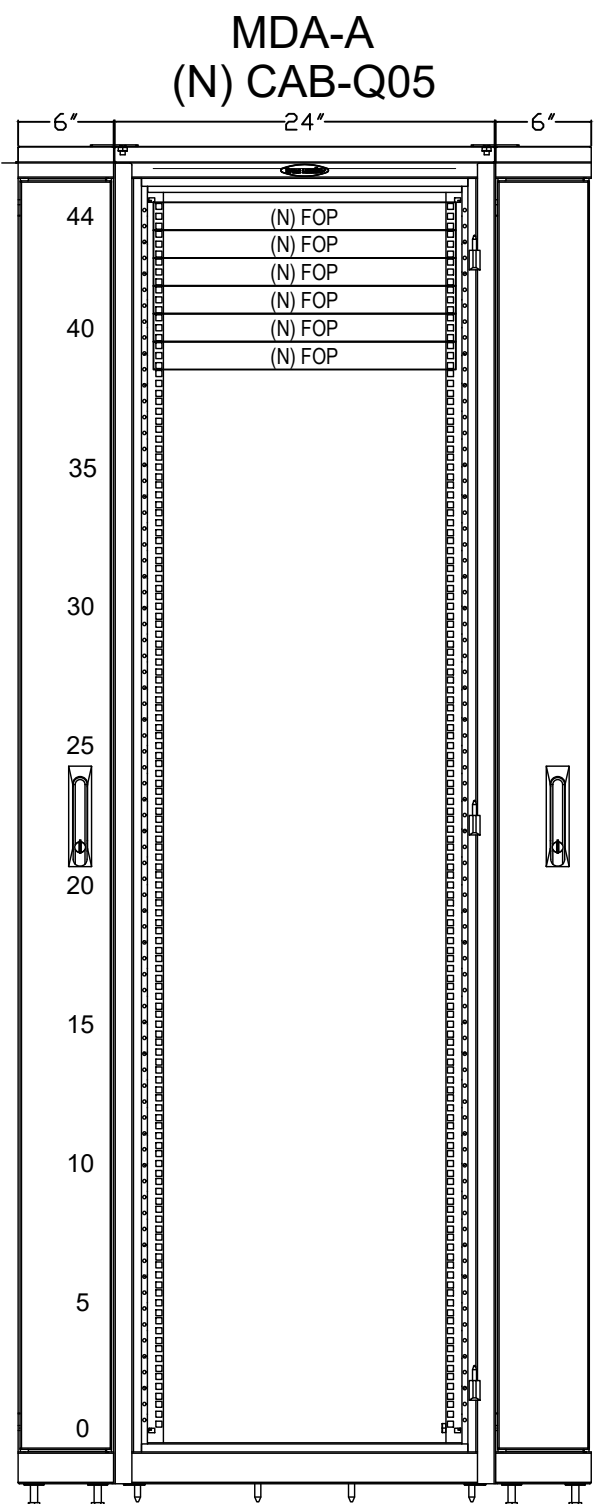
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C

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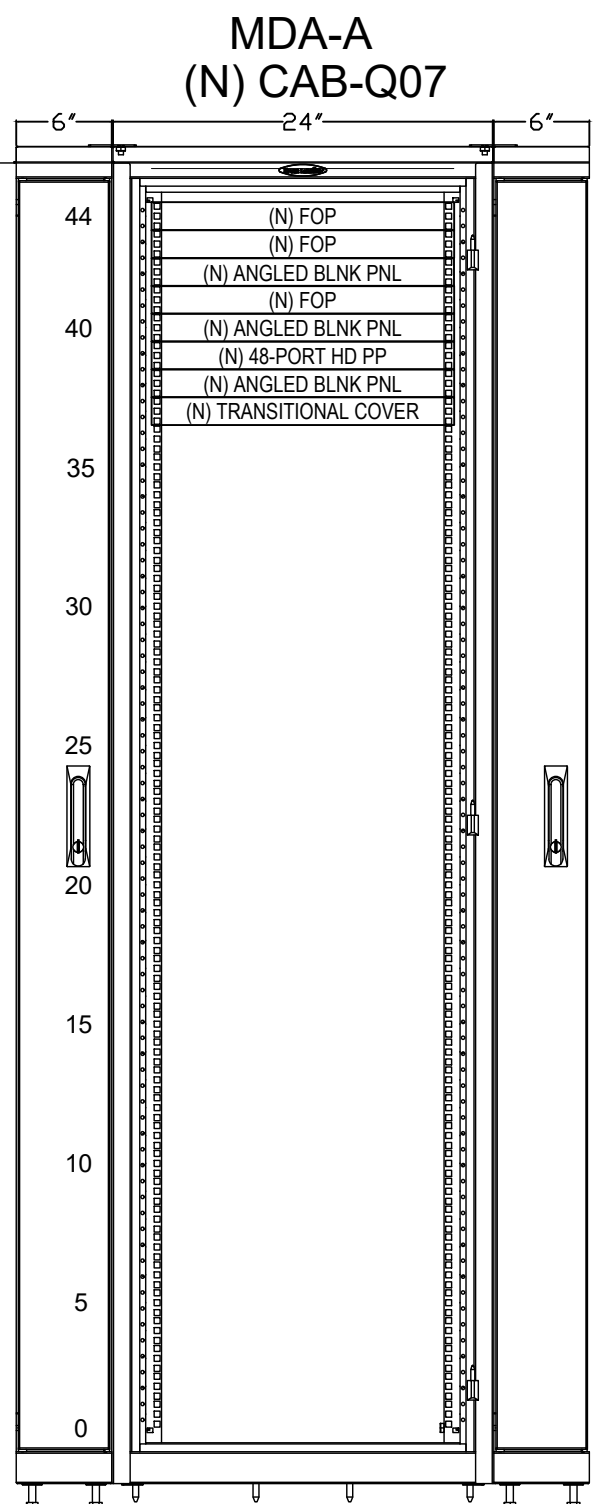
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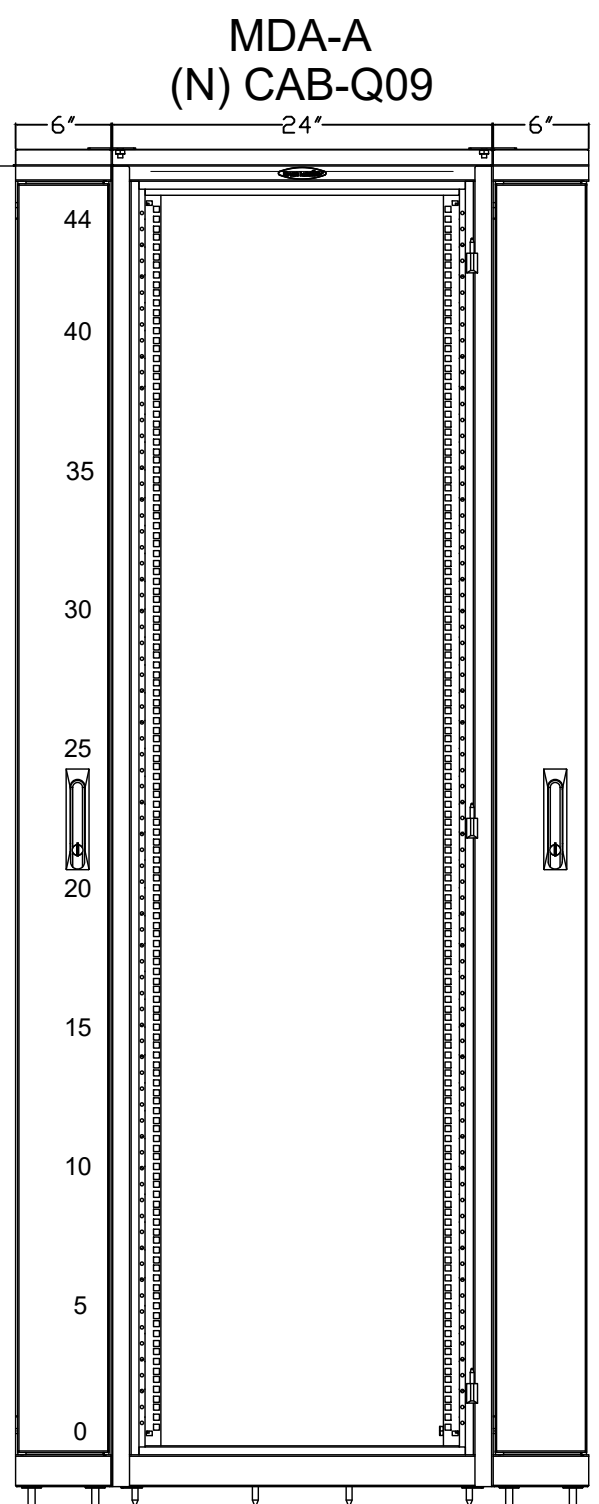
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MDA-A CABINET ELEV.

SCALE: NTS



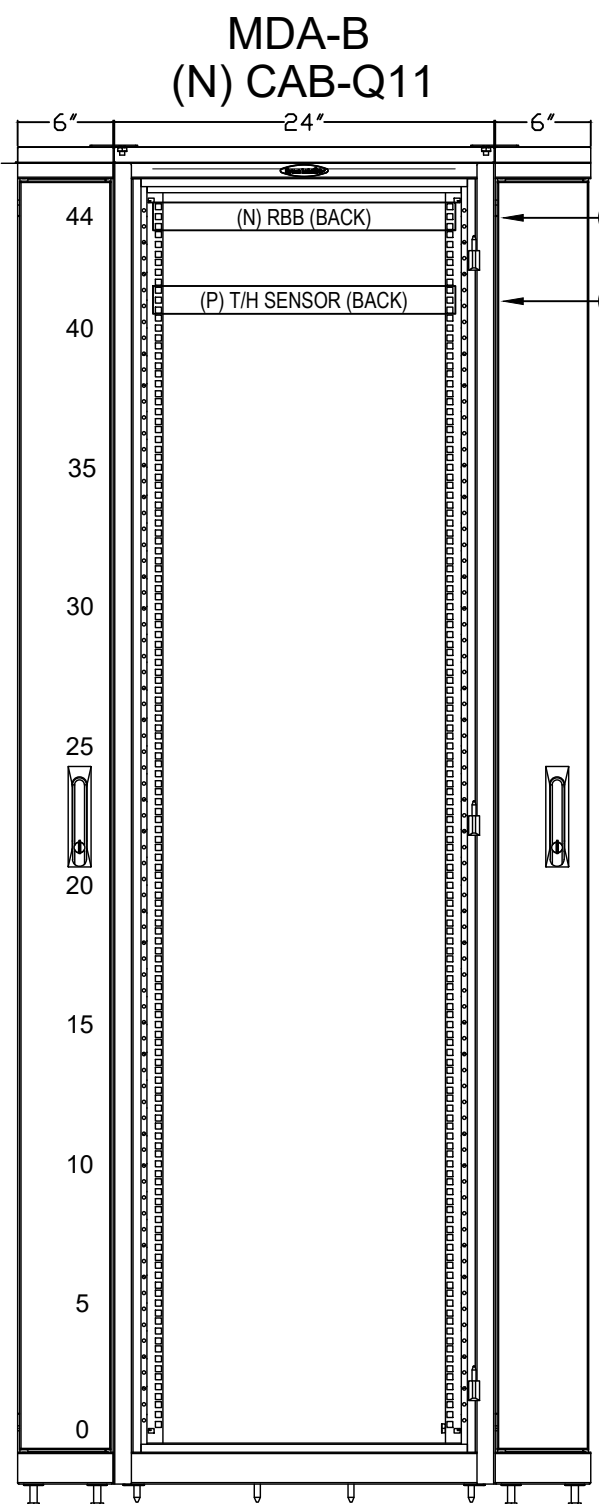
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MDA-A CABINET ELEV.

SCALE: NTS



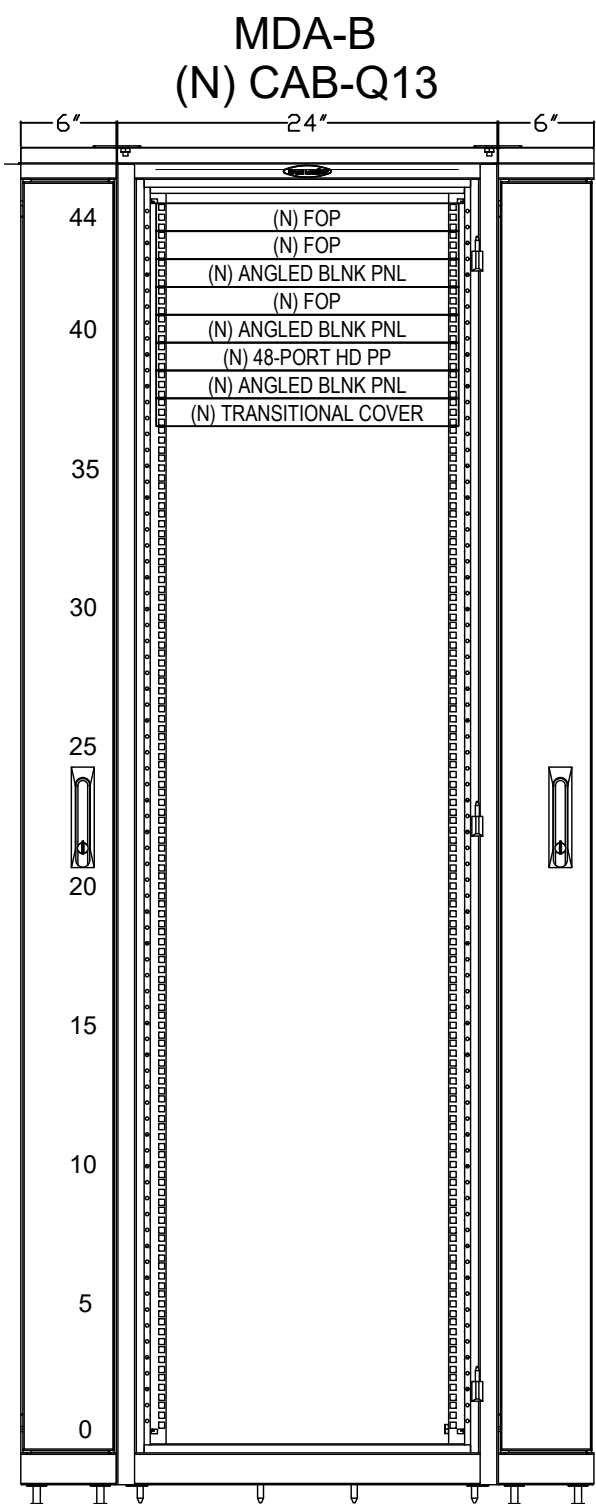
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MDA-A CABINET ELEV.

SCALE: NTS



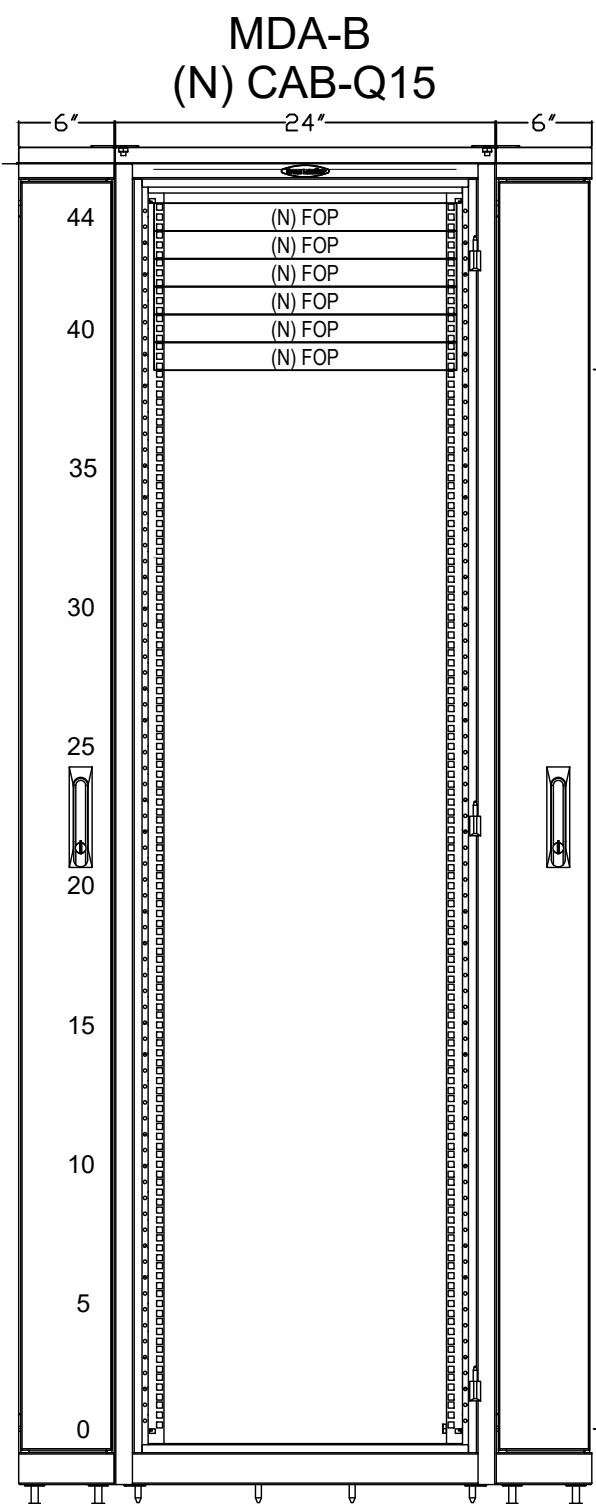
MCR BLDG RM XXX  
MDA-B CABINET ELEV.

SCALE: NTS



MCR BLDG RM XXX  
MDA-B CABINET ELEV.

SCALE: NTS



MCR BLDG RM XXX  
MDA-B CABINET ELEV.

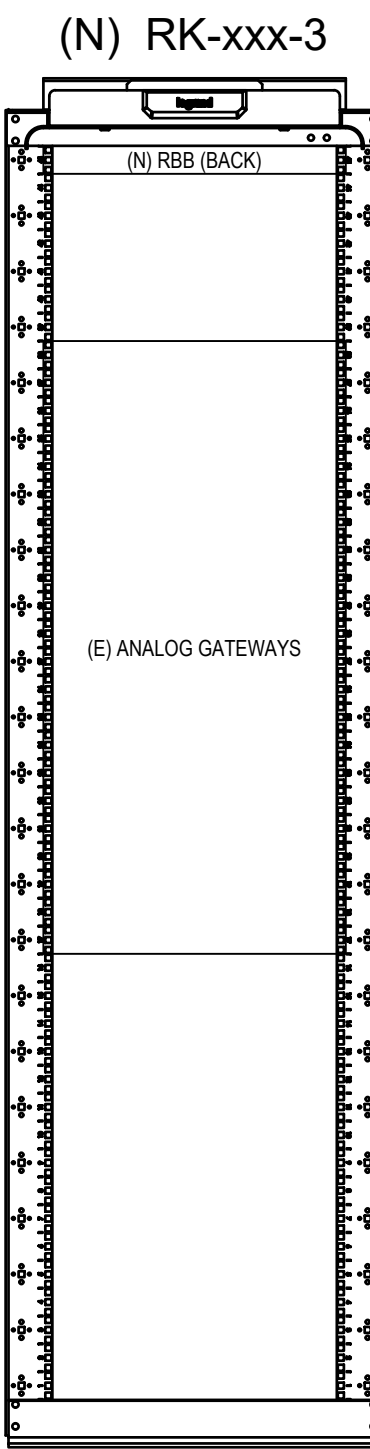
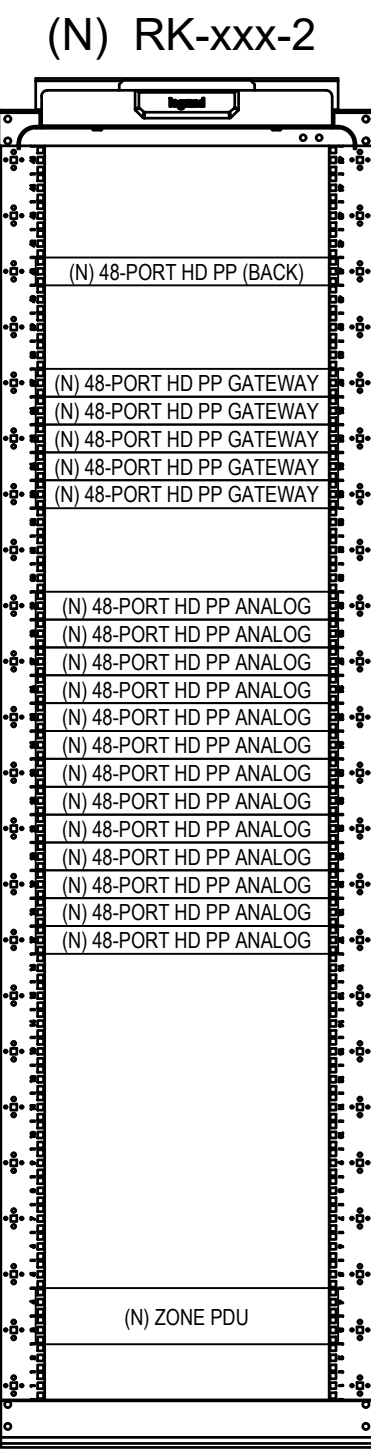
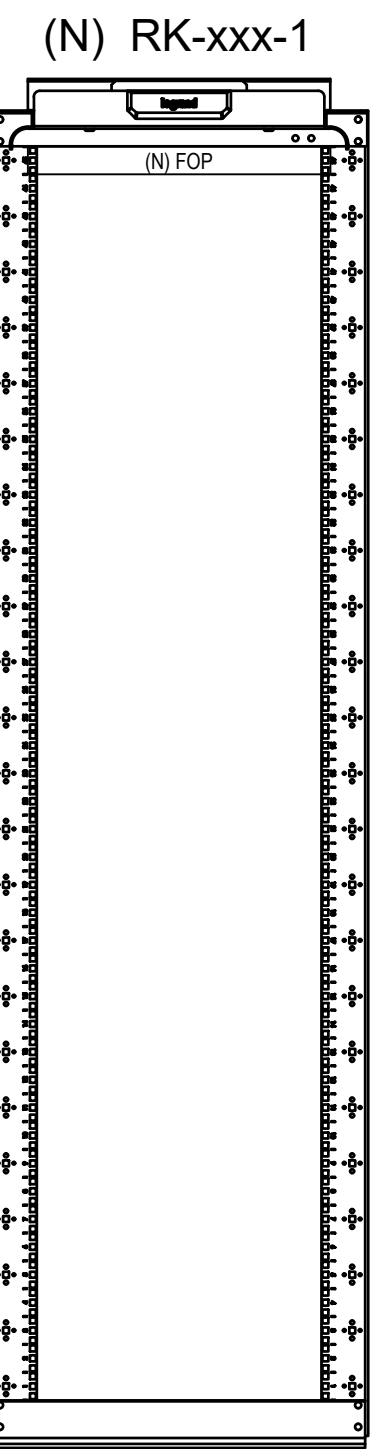
SCALE: NTS

### GENERAL NOTES

- SEE MDA CABINET EQUIPMENT SCHEDULE FOR PART NUMBERS AND QUANTITIES.
- SEE ENTRANCE ROOM EQUIPMENT SCHEDULE THIS PAGE FOR PART NUMBERS AND QUANTITIES.
- VENDOR TO PROVIDE ALL EQUIPMENT MARKED AS NEW WORK (N).

### PLAN NOTES

- RBB SHARES RU44 MOUNTED ON BACK RAILS IN ALL CABINETS.
- VENDOR TO PROVIDE FLAT BLANKING PANELS TO FILL ALL UNUSED CABINET RU LOCATIONS IN ALL CABINETS.
- 1RU TEMPHUMIDITY SENSOR PACKAGE MOUNTED AT RU41 ON BACK RAILS IN CABINETS xxx, xxx, xxx, xxx. SENSOR PACKAGE PROVIDED BY DIVISION 23 CONTRACTOR.
- RBB SHARES RU45 MOUNTED ON BACK RAILS IN ALL CABINETS.
- EXISTING ANALOG GATEWAY VOICE EQUIPMENT TO BE RELOCATED TO ER. COORDINATE WITH OIT / COR FOR DESIRED LOCATION.



MCR BLDG RM XXX  
ENTRANCE RM A RACK ELEV.

SCALE: NTS

### NOTES

- REQUIRED VERTICAL CABLE MANAGERS NOT SHOWN.

RACK EQUIPMENT SCHEDULE - ENTRANCE ROOMS			
DESCRIPTION	QTY	PART NUMBER	NOTES
CHANNEL RACK	3	MM2073038-W	1
VERTICAL CABLE MANAGER	4	MM20VMD706-W	1
ANGLED FOP / WITH REAR CABLE MANAGER	1	HDX1A-144 / E2XHD-CMB	1.3
FO CASSETTE - OS2 - 12 STRAND	4	U1LSM1-UNN	1.5
FO CASSETTE - OM4 - 12 STRAND	4	41LSM4-UNN	1.5
ANGLED 48 PORT PP / WITH REAR CABLE MANAGER	1	E2X1A-S48 / E2XHD-CMB	1.3
ZONE PDU	1	#2PDS 200V03A-HW-6L20 OR APPROVED EQUAL	1
VERTICAL PDU / MOUNTING BRACKETS	6	8861 / 39221-E03	1
RACK BONDING BUSBAR (RBB)	3	RGRB19U	1
SECONDARY BONDING BUSBAR(SBB)	1	40153-012	1
NOTES:			
1) ALL PART NUMBERS ARE AS BASIS OF DESIGN, OR APPROVED EQUAL.			
2) CONTRACTOR TO DETERMINE QUANTITIES BY CABINET ELEVATION SHEETS.			
3) ALL EMPTY COPPER PATCH PANEL PORTS SHALL BE COVERED WITH CASSETTE BLANKING PANEL.			
4) PDU MOUNTING BRACKETS ARE ORDERED SEPARATELY. SEE SHEET TJ-035 FOR MOUNTING DETAILS.			
5) ALL EMPTY FIBER PATCH PANEL CASSETTE SLOTS SHALL BE COVERED WITH CASSETTE BLANKING PANEL.			

Revisions:	Date:

### CONSULTANT

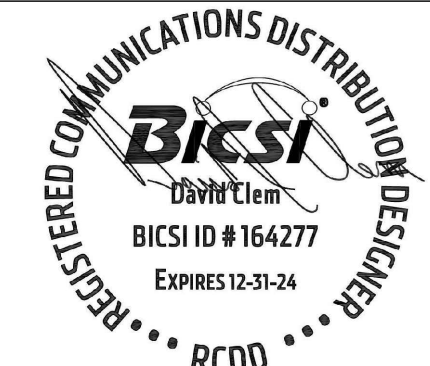
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### STAMP



### OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT



### DRAWING TITLE

TELECOMM CABINET ELEVATIONS  
- MDA and ER

APPROVED: Project Director

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### PHASE

100% CONSTRUCTION  
DOCUMENTS

### FLS

FULLY SPRINKLERED

### PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

### LOCATION

FORT MEADE, SOUTH DAKOTA

### ISSUE DATE

11/05/2024

### CHECKED BY

DJC

### DRAWN BY

RES

### PROJECT NUMBER

568-21-701

### BUILDING NUMBER

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### DRAWING NUMBER

TJ-013





GENERAL NOTES

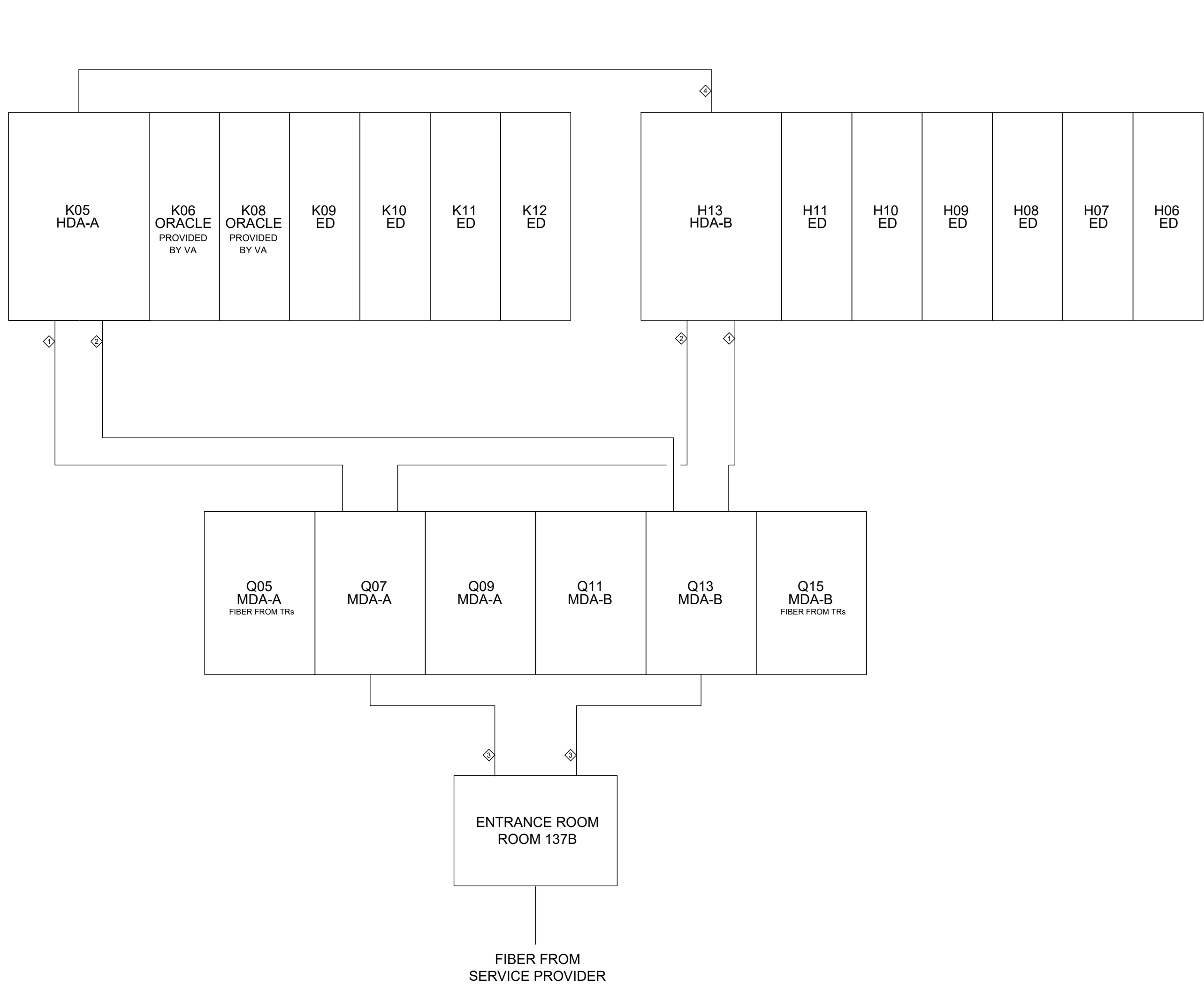
1. CABINET LAYOUT AND CABLE TOUCH POINTS THIS SHEET ARE REPRESENTATIONAL ONLY FOR CLARITY OF CABLE ROUTING. SEE MCR FLOOR PLANS FOR SUGGESTED LOCATION OF CABINETS. COORDINATE ALTERNATE MOUNTING LOCATIONS WITH VA COR AND A/E TEAM.
2. ALL FIBER AND COPPER TRUNKS ARE TO BE FACTORY TERMINATED AS TRUNK ASSEMBLIES. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTHS. CONTRACTOR SHALL PROVIDE 2' OF ADDITIONAL LENGTH FOR SERVICE LOOP AT EACH END.
3. PROVIDE EQUIPMENT AND MATERIALS AS SHOWN. SEE THIS SHEET AND TJ-037 FOR DETAILS.

PLAN NOTES

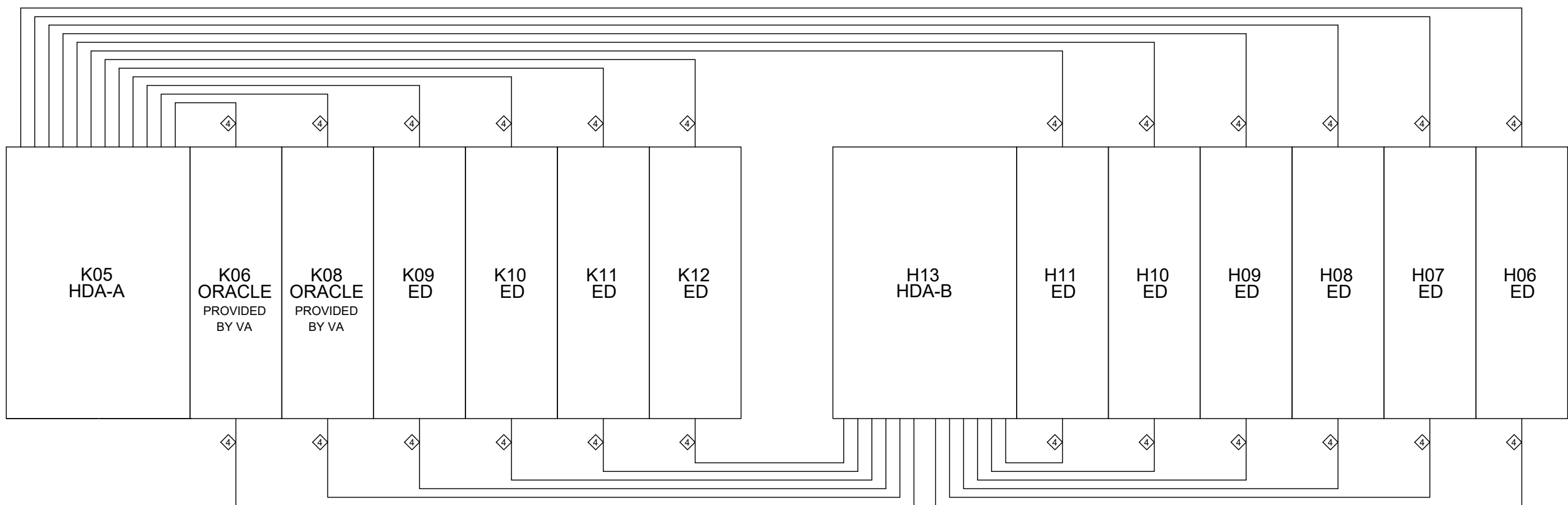
- 1 NOT USED

MCR - ER / MDA / HDA CABLE SCHEDULE		
SYMBOL	DESCRIPTION	REMARKS
◇	PROVIDE QTY (8) ATLAS-X1 CUSTOM CAT6A COPPER TRUNK ASSEMBLY LEVITON #CTA-UASP06LxxxF-CzDzA24N-CLDLA24N-SB10E OR APPROVED EQUAL.	1, 2, 3
◇	PROVIDE QTY (12) OPT-X ENTERPRISE OM4 FIBER TRUNK CABLE ASSEMBLY LEVITON #FTU-FW2012LLxxxF36B36BY-NNAS OR APPROVED EQUAL.	
◇	PROVIDE QTY (12) OPT-X ENTERPRISE OM4 FIBER TRUNK CABLE ASSEMBLY LEVITON #FTU-FW2012LLxxxF36B36BY-NNBC OR APPROVED EQUAL.	1, 3
◇	SEE FIBER ONE LINE SHEET FOR CABLE AND MATERIAL DETAILS	
◇	PROVIDE QTY (1) OPT-X ENTERPRISE OM4 FIBER TRUNK CABLE ASSEMBLY LEVITON #FTU-FW2012LLxxxF36B36BY-NNAS OR APPROVED EQUAL.	1, 3
NOTES		
1) xxx IN TRUNK ASSEMBLY NUMBER IS LENGTH IN FEET. IT IS CONTRACTOR'S RESPONSIBILITY TO DETERMINE PROPER FIBER AND COPPER TRUNK ASSEMBLY LENGTHS PRIOR TO ORDERING.		
2) z IN COPPER TRUNK ASSEMBLY IS JACK COLOR. SIDE A ARE BLUE JACKS BOTH ENDS. SIDE B ARE YELLOW JACKS BOTH ENDS.		
3) CONTRACTOR IS RESPONSIBLE FOR CONFIRMING FIBER OPTIC TRUNK AND CASSETTE CONFIGURATION PRIOR TO ORDERING.		

MCR - HDA / ED CABLE SCHEDULE		
SYMBOL	DESCRIPTION	REMARKS
◇	PROVIDE QTY (4) ATLAS-X1 CUSTOM CAT6A COPPER TRUNK ASSEMBLY LEVITON #CTA-UASP06LxxxF-CzDzA24N-CLDLA24N-SB10E OR APPROVED EQUAL.	1, 2
◇	PROVIDE QTY (2) OPT-X ENTERPRISE FIBER TRUNK CABLE ASSEMBLY LEVITON #FTU-FW2012LLxxxF36B36BY-NNAS OR APPROVED EQUAL.	
NOTES		
1) xxx IN TRUNK ASSEMBLY NUMBER IS LENGTH IN FEET. IT IS CONTRACTOR'S RESPONSIBILITY TO DETERMINE PROPER FIBER AND COPPER TRUNK ASSEMBLY LENGTHS PRIOR TO ORDERING.		
2) z IN COPPER TRUNK ASSEMBLY IS JACK COLOR. SIDE A ARE BLUE JACKS BOTH ENDS. SIDE B ARE YELLOW JACKS BOTH ENDS.		



1 TJ-019 MCR - ER / MDA / HDA ONE LINE  
SCALE: NTS



2 TJ-019 MCR - HDA / ED ONE LINE  
SCALE: NTS

Revisions:	Date:

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AND FACILITIES  
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VA U.S. Department  
of Veterans Affairs

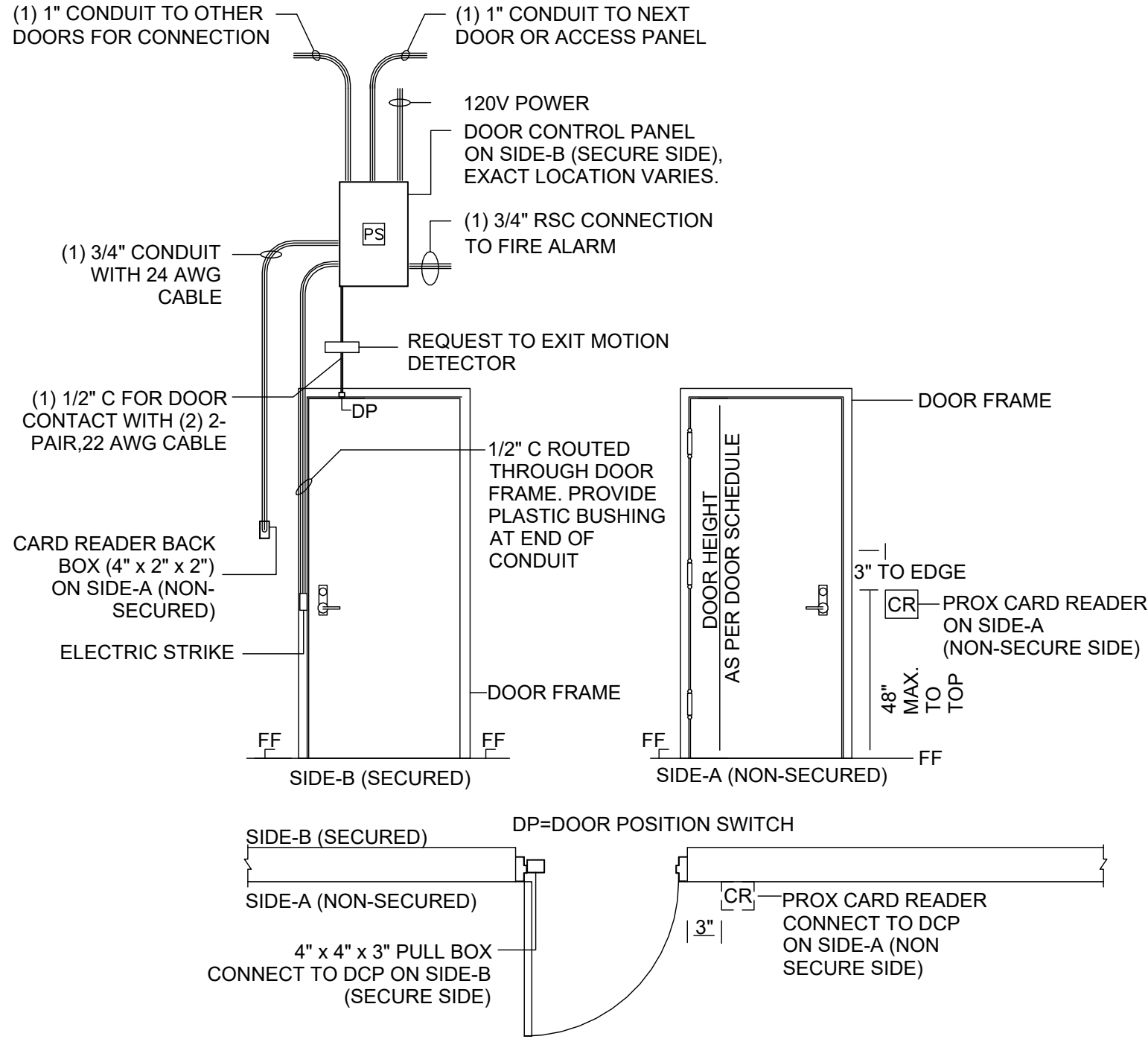
DRAWING TITLE MCR MDA HDA CABLE ONE LINE
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PHASE 100% CONSTRUCTION DOCUMENTS
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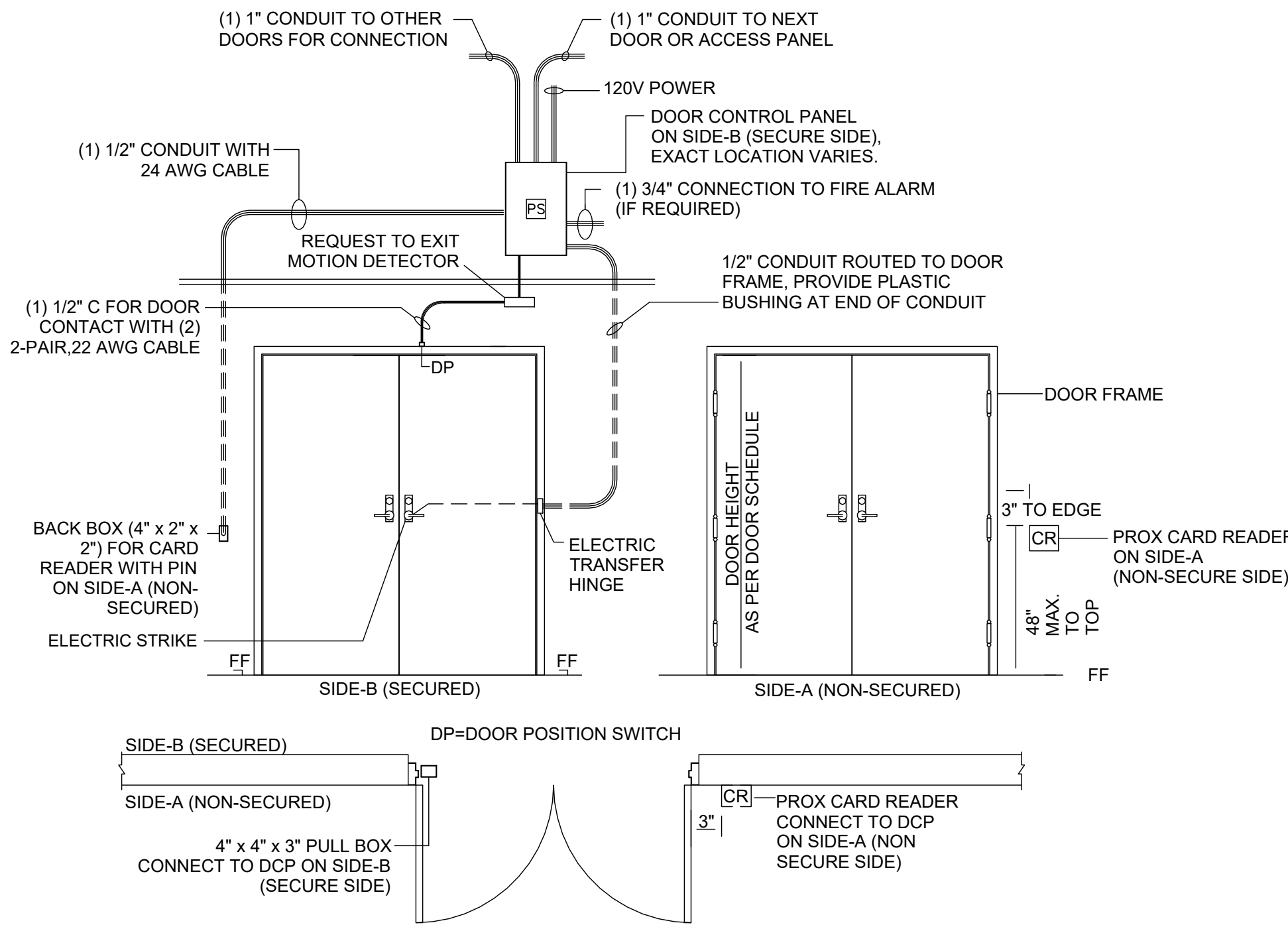
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LOCATION FORT MEADE, SOUTH DAKOTA
ISSUE DATE 11/05/2024
CHECKED BY DJC
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PROJECT NUMBER 568-21-701
BUILDING NUMBER ----
DRAWING NUMBER TJ-015

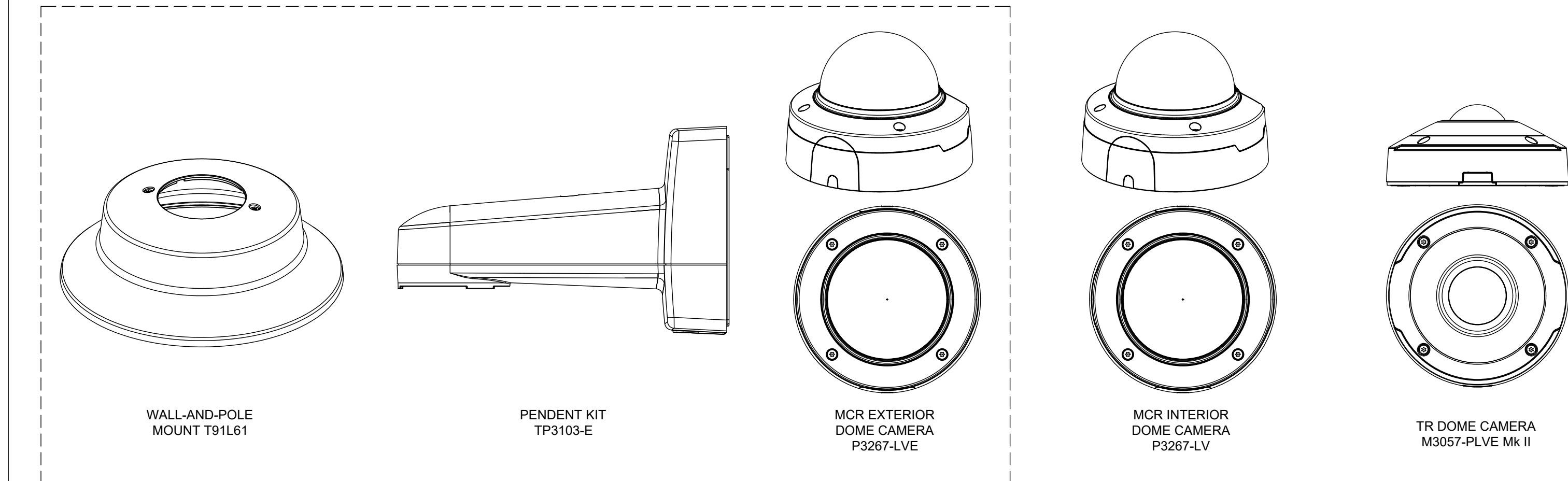
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1  
TJ-016  
**ACCESS CONTROL  
SINGLE DOOR DETAIL**  
SCALE: NTS



2  
TJ-016  
**ACCESS CONTROL  
DOUBLE DOOR DETAIL**  
SCALE: NTS



3  
TJ-016  
**MCR / TR / TE SECURITY CAMERA DETAILS**  
SCALE: NTS

**GENERAL:**

1. CAMERA MODELS ARE AS A BASIS OF DESIGN, OR APPROVED EQUAL.
2. PROVIDE QUANTITY SHOWN ON MCR PLAN FOR FULL COVERAGE.
3. CAMERAS ARE TO CONNECT TO A NEW SSTV SYSTEM.
4. EXTERIOR CAMERAS SHALL BE DIRECTLY CONNECTED TO CAT6A CABLE WITH BOOTED, WEATHER RESISTANT FIELD TERMINATION PLUGS.
5. PROVIDE MOUNT KITS FOR EXTERNAL CAMERAS.

Revisions:	Date:

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**OFFICE OF  
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AND FACILITIES  
MANAGEMENT**



**DRAWING TITLE**  
TELECOMM DETAILS

APPROVED: Project Director

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DJC

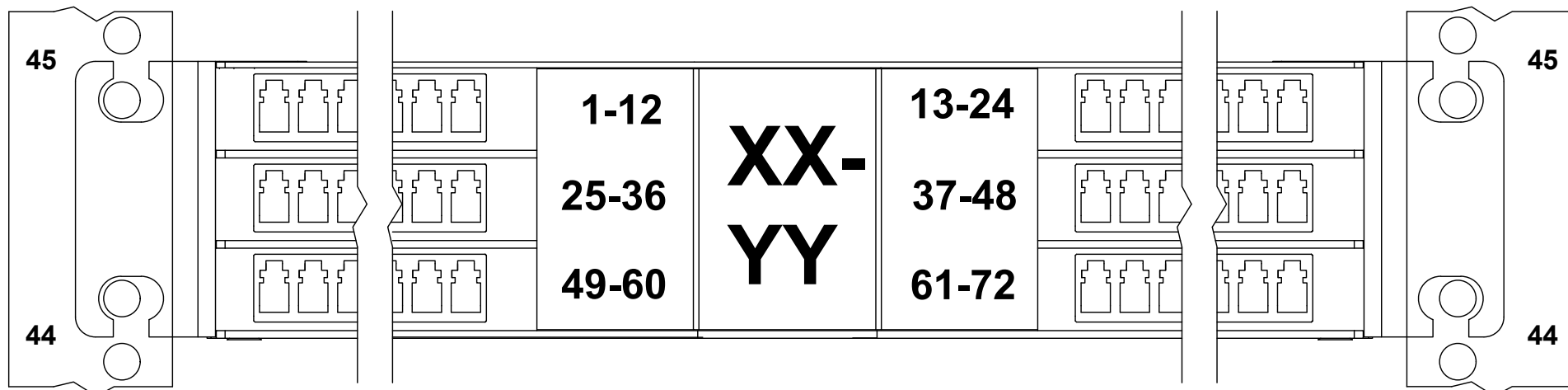
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BUILDING NUMBER  
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DRAWING NUMBER  
**TJ-016**



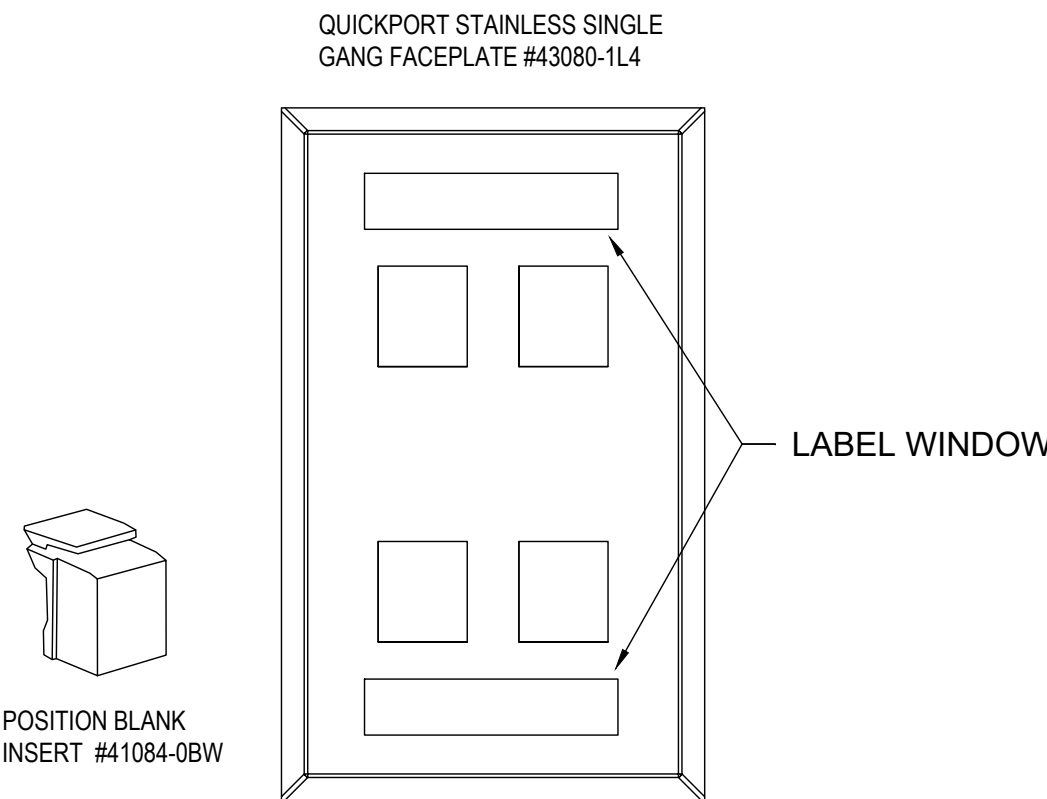


### TR PATCH PANEL TYPICAL LABELING FORMAT

SCALE: NTS

#### GENERAL:

- PATCH PANELS SHALL BE DESIGNATED WHERE XX=RACK GRID COORDINATES, YY= RU NUMBER OF THE TOP EDGE OF THE PANEL WITH LEADING ZERO AS NEEDED. BLANKING PANELS SHALL NOT BE LABELED. FONT SHALL BE LARGEST POSSIBLE TO FIT.
- COPPER PATCH PANEL PORTS SHALL BE LABELED 1 THOUGH 48 UTILIZING FACTORY SUPPLIED LABEL BEZELS.
- PANEL PORT LABELS SHALL BE A FONT WITHOUT SERIFS, UPPER CASE. TEXT SHALL BE MACHINE PRINTED, AS LARGE AS POSSIBLE WITHIN THE AVAILABLE SPACE, AND SHALL CONTRAST WITH THE BACKGROUND UPON WHICH THEY ARE AFFIXED.
- CONTRACTOR SHALL CREATE AND SUPPLY AN ELECTRONIC SPREADSHEET RECORD OF PATCH PANEL AND CASSETTE ASSIGNMENTS FOR FULL PATH IN TIA-606-C COMPLIANT FORMAT. EXCEL OR APPROVED EQUAL.

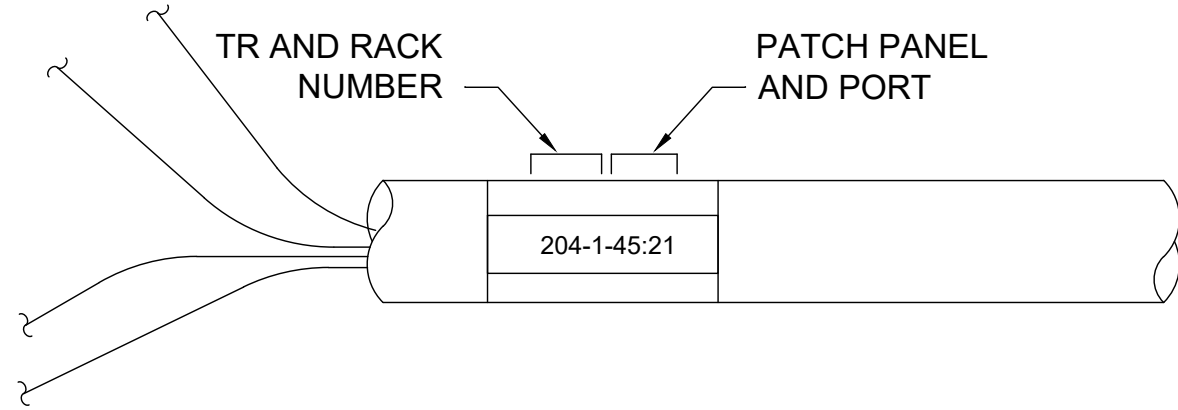


### COMMUNICATIONS FACEPLATE DETAIL

SCALE: NTS

#### GENERAL:

- LEVITON QUICKPORT FACEPLATE #43080-1L4, STAINLESS STEEL, HOLDS 4 ATLAS-X1 MODULES.
- NUMBER OF DATA AND VOICE JACKS MAY VARY. ALL UNPOPULATED POSITIONS WILL HAVE POSITION BLANK INSERT #41084-08W.

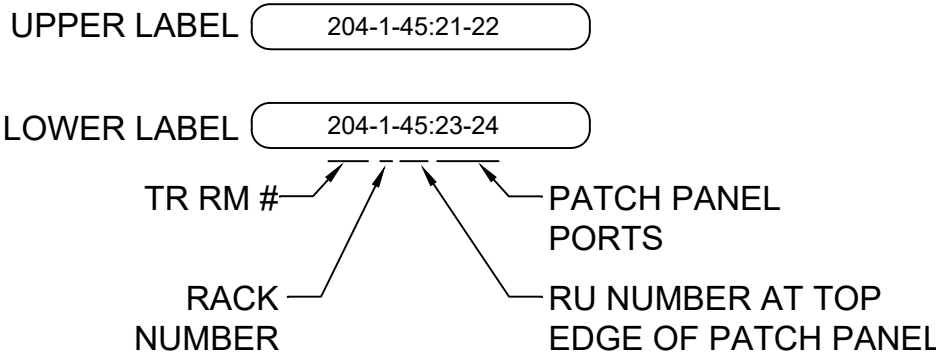


### HORIZONTAL CABLE LABEL - TYPICAL

SCALE: NTS

#### GENERAL:

- PROVIDE A MACHINE PRINTED LABEL WITH 1/8" FONT HEIGHT, BLACK TEXT, WHITE BACKGROUND. LABEL SHALL BE INSTALLED WITHIN 6" OF TERMINATION POINTS ON EACH END OF CABLE. EXAMPLE SHOWS CABLE IN TR 204, RACK 1, PANEL 45, PORT 21. ALL SINGLE DIGIT PORT NUMBERS SHALL HAVE A LEADING ZERO.

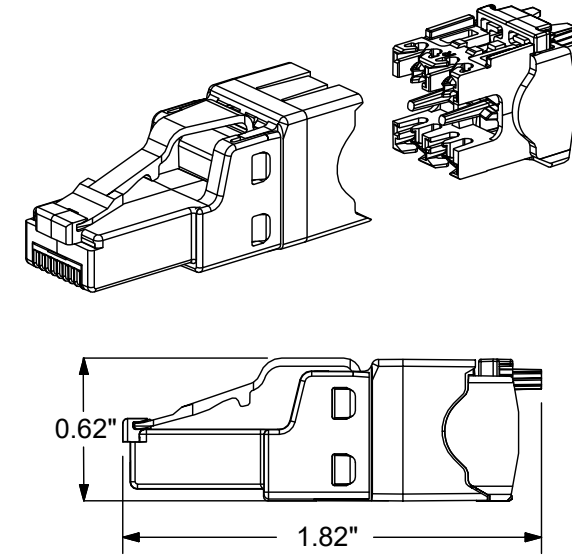


### TELECOMMUNICATIONS OUTLET LABEL IDENTIFICATION FORMAT - TYPICAL

SCALE: NTS

#### GENERAL:

- PROVIDE A MACHINE PRINTED LABEL WITH 1/8" FONT HEIGHT, BLACK TEXT, WHITE BACKGROUND. EXAMPLE SHOWS CABLE IN TR 204, RACK 1, PANEL 45, PORTS 21-24. SINGLE DIGIT PORTS SHALL HAVE A LEADING ZERO.
- LABEL LOCATION WITHOUT NOMENCLATURE SHALL BE FILLED WITH BLANK LABEL STRIP.

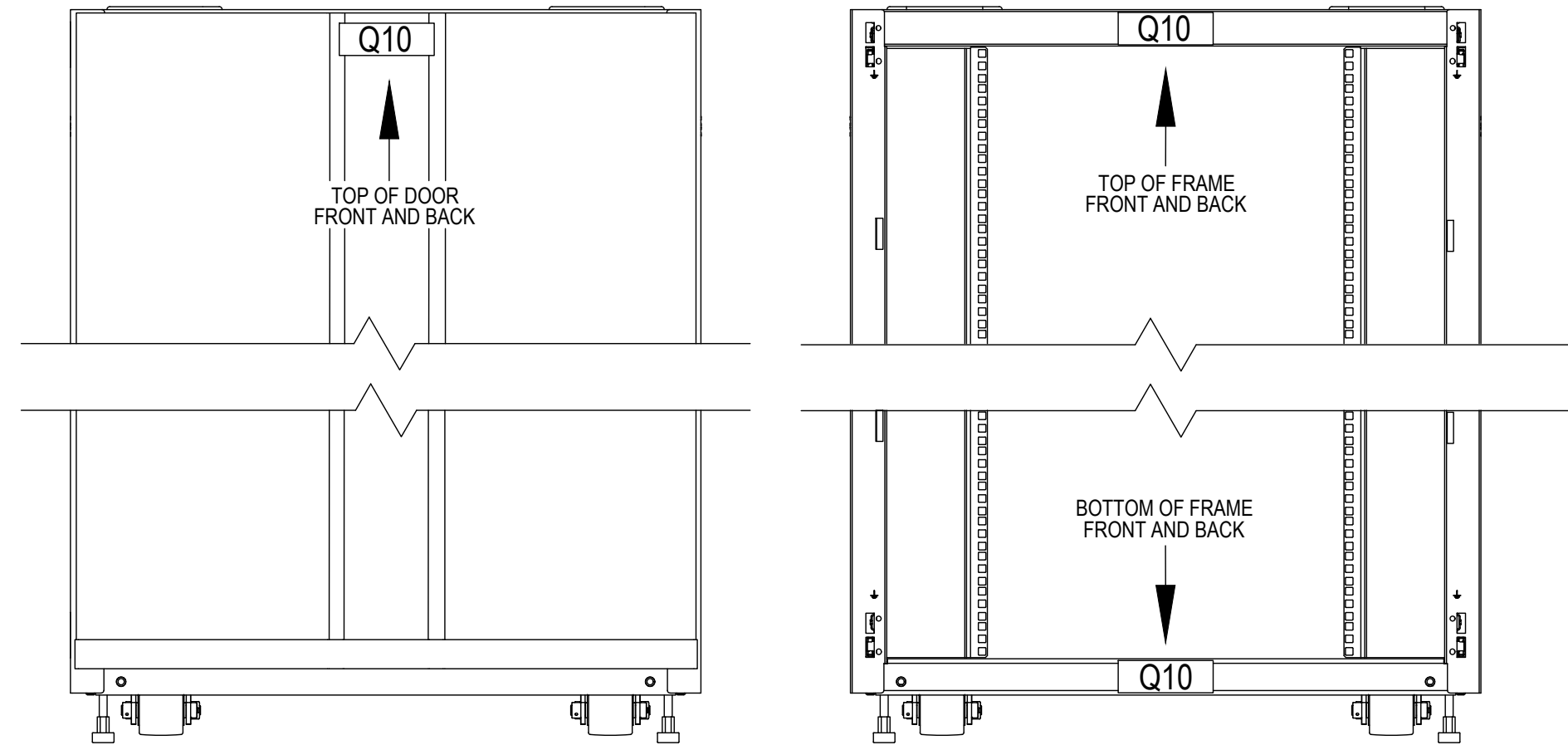


### FIELD TERMINATED RJ45 PLUG

SCALE: NTS

#### GENERAL:

- ABOVE CEILING AND DIRECT CONNECT DEVICES SHALL UTILIZE FIELD TERMINATED PLUGS.
- PROVIDE CATEGORY 6A UTP FIELD TERM RJ45 PLUG "HDPUCCA" OR APPROVED EQUAL.

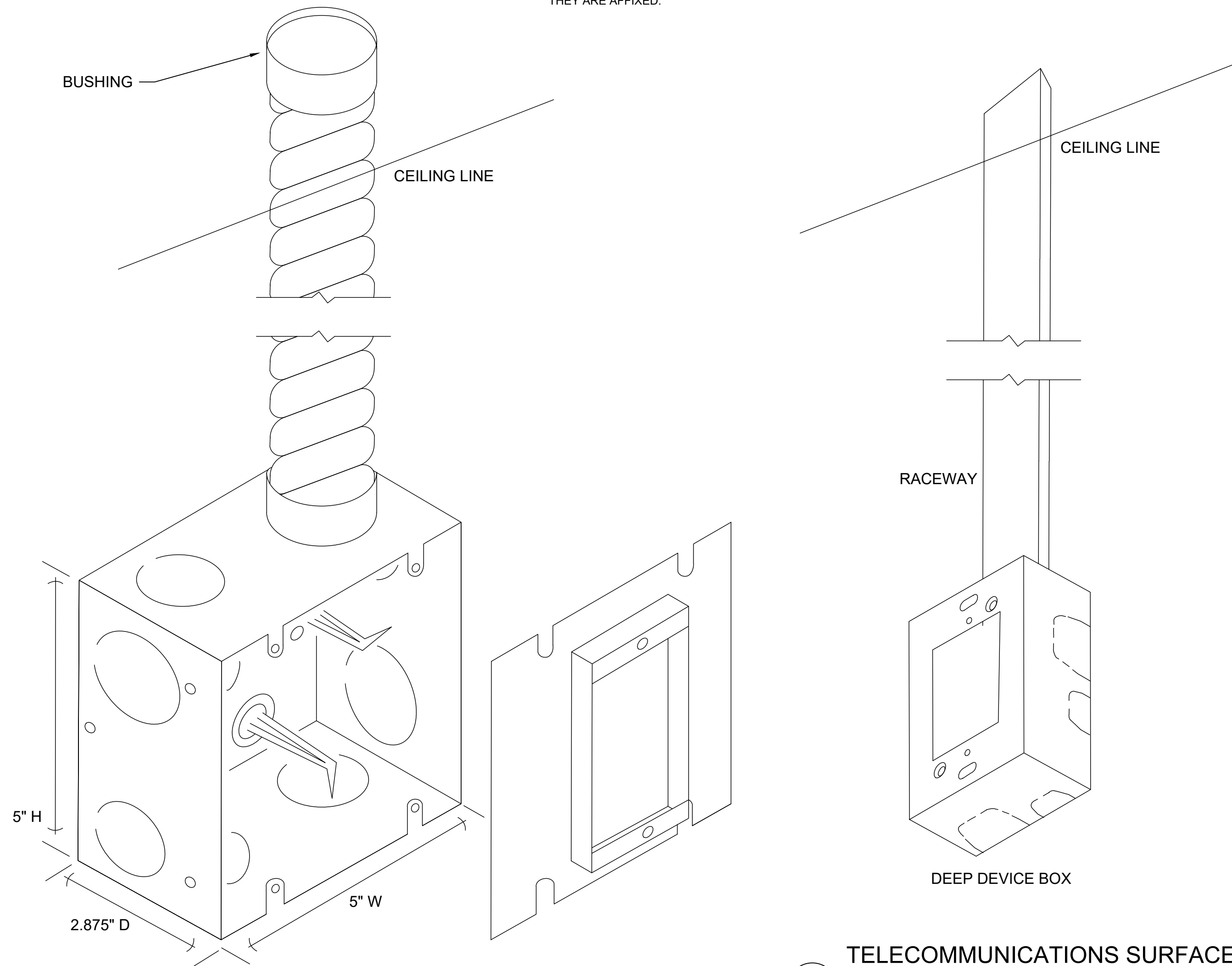


### MCR CABINET AND RACK LABELING DETAIL - TYPICAL

SCALE: NTS

#### GENERAL:

- EACH CABINET AND RACK SHALL BE LABELED ON THE FRONT AND REAR IN PLAIN VIEW. CABINET DESIGNATION ASSIGNED BY GRID LOCATION. EXAMPLE NOTES GRID LOCATION Q10.
- LABEL SHALL BE ATTACHED ON A PERMANENT PART OF THE CABINET, RACK, AND PATCH PANELS.
- TEXT ON LABELS SHALL BE A FONT WITHOUT SERIFS, UPPER CASE, AND LARGE ENOUGH TO BE EASILY READ WHILE STANDING NEAR THE CABINET OR RACK. TEXT SHALL BE MACHINE PRINTED AND SHALL CONTRAST WITH THE BACKGROUND UPON WHICH THEY ARE AFFIXED.



### TELECOMMUNICATIONS OUTLET BOX INSIDE WALL AND SURFACE MOUNT- TYPICAL

SCALE: NTS

#### GENERAL:

- PROVIDE RANDL 5 SQUARE BOX # T-55017 OR APPROVED EQUAL, AND RANDL 5 SQUARE 5/8" OUTLET BOX RING, SINGLE GANG # D-51G058 OR AS APPROPRIATE FOR GWB THICKNESS, OR APPROVED EQUAL.
- FOR SURFACE MOUNT BOXES, PROVIDE ZERO RISE OUTLET BOX RING D-51G000, OR APPROVED EQUAL.
- INSIDE WALLS PROVIDE 1/2" FLEXIBLE CONDUIT. PROVIDE ALL REQUIRED COUPLERS, CONNECTORS, BUSHINGS, AND ANCHORS.
- SURFACE MOUNT PROVIDE 1/2" CONDUIT. PROVIDE ALL REQUIRED COUPLERS, CONNECTORS, BUSHINGS AND ANCHORS.

### TELECOMMUNICATIONS SURFACE MOUNTED RACEWAY DETIAL

SCALE: NTS

#### GENERAL:

- PROVIDE DEEP DEVICE BOX, SINGLE GANG BASE AND BOX SHELL. BOX DEPTH SHALL BE APPROPRIATE TO ACCOMMODATE CATEGORY CABLE MANUFACTURER REQUIRED TURN RADIUS.
- PROVIDE RACEWAY APPROPRIATE FOR 40% CABLE FILL AT TIME OF INSTALLATION. PROVIDE ALL NECESSARY COUPLERS, MOUNTING CLIPS, JUNCTION COVERS, END CAPS, AND MOUNTING HARDWARE.
- BOX AND RACEWAY SHALL BE FROM THE SAME MANUFACTURER.
- FIELD VERIFY AND COORDINATE INSTALLATION WITH OTHER TRADES AND REMAINING SURFACE MOUNTED RACEWAYS FOR ROUTING, LOCATIONS, AND INSTALLATION HEIGHT.
- CABLES TO BE ROUTED TO RACEWAY BY CEILING PATH.
- CONTRACTOR SHALL ENSURE TRUE LEVEL OF RACEWAY AND BOXES.
- PROVIDE CABLES, FACEPLATES, AND JACKS PER SPEC.

Revisions:	Date:

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ADAM GODDIN, PE



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#### DRAWING TITLE

TELECOMM DETAILS

APPROVED: Project Director

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#### PHASE

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#### FLS

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#### LOCATION

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#### ISSUE DATE

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#### CHECKED BY

DJC

#### DRAWN BY

RES

#### PROJECT NUMBER

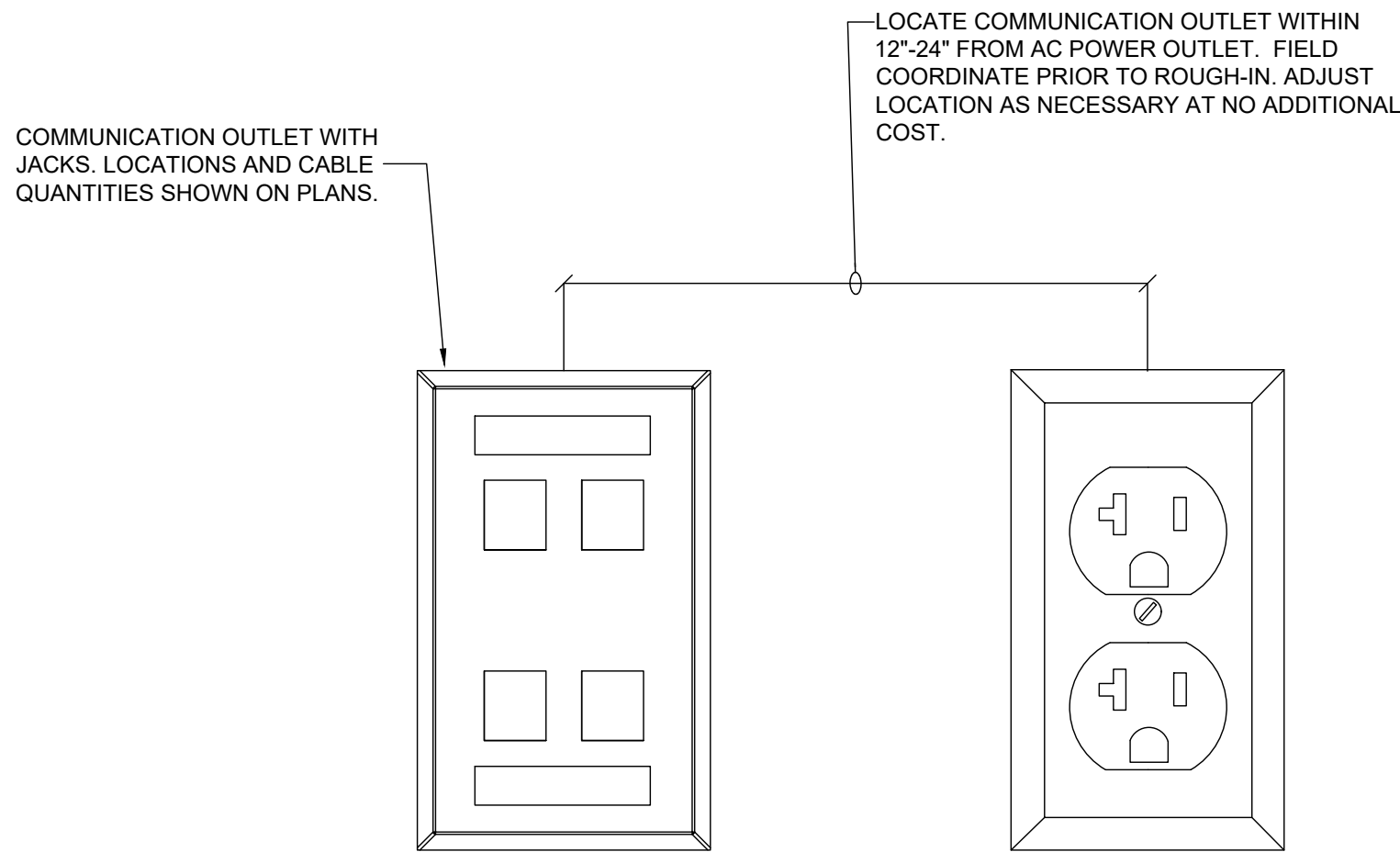
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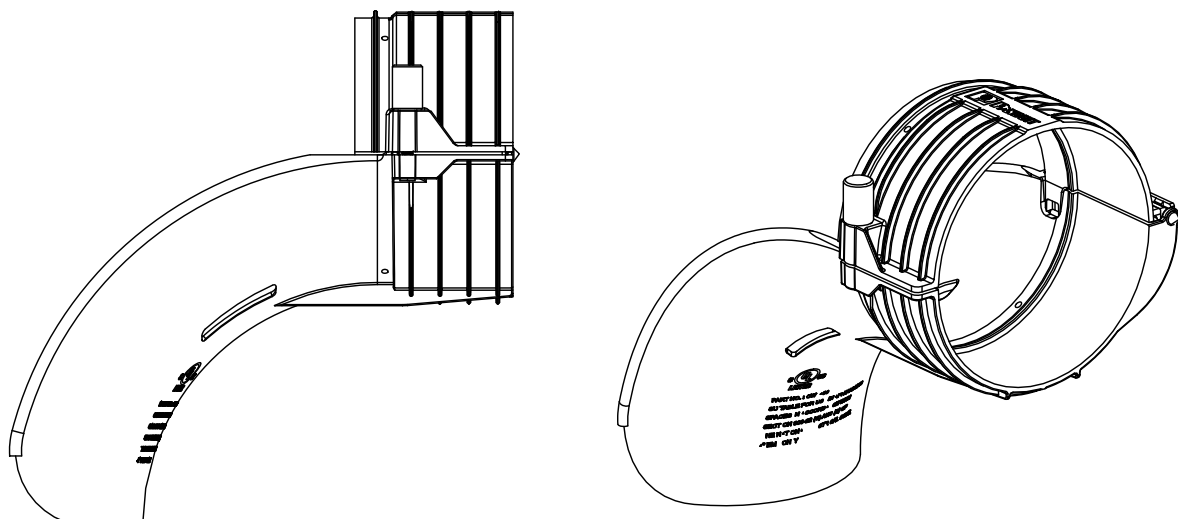
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TJ-017

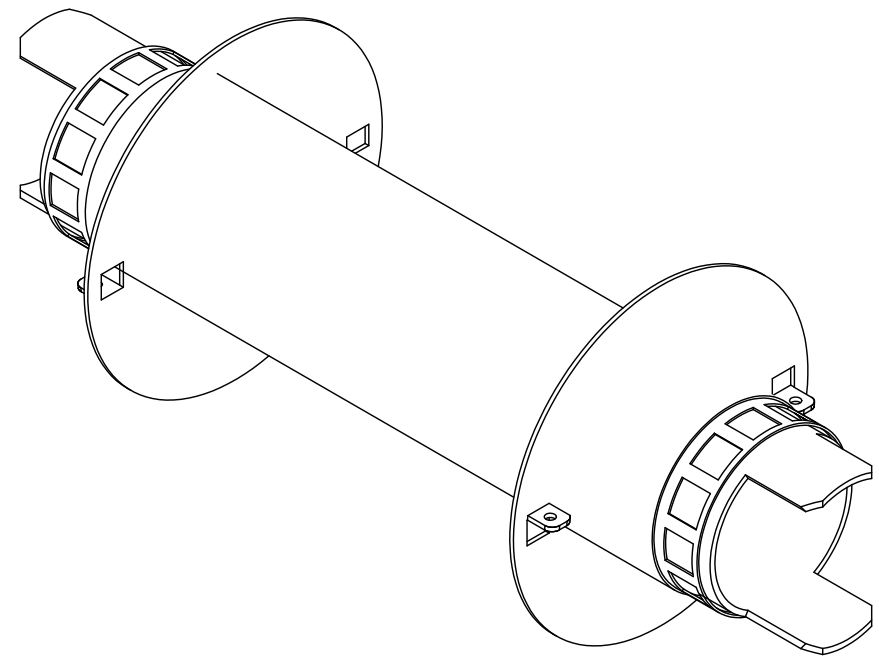


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TJ-018  
**COMMUNICATIONS AND AC OUTLET DETAIL**  
SCALE: NTS



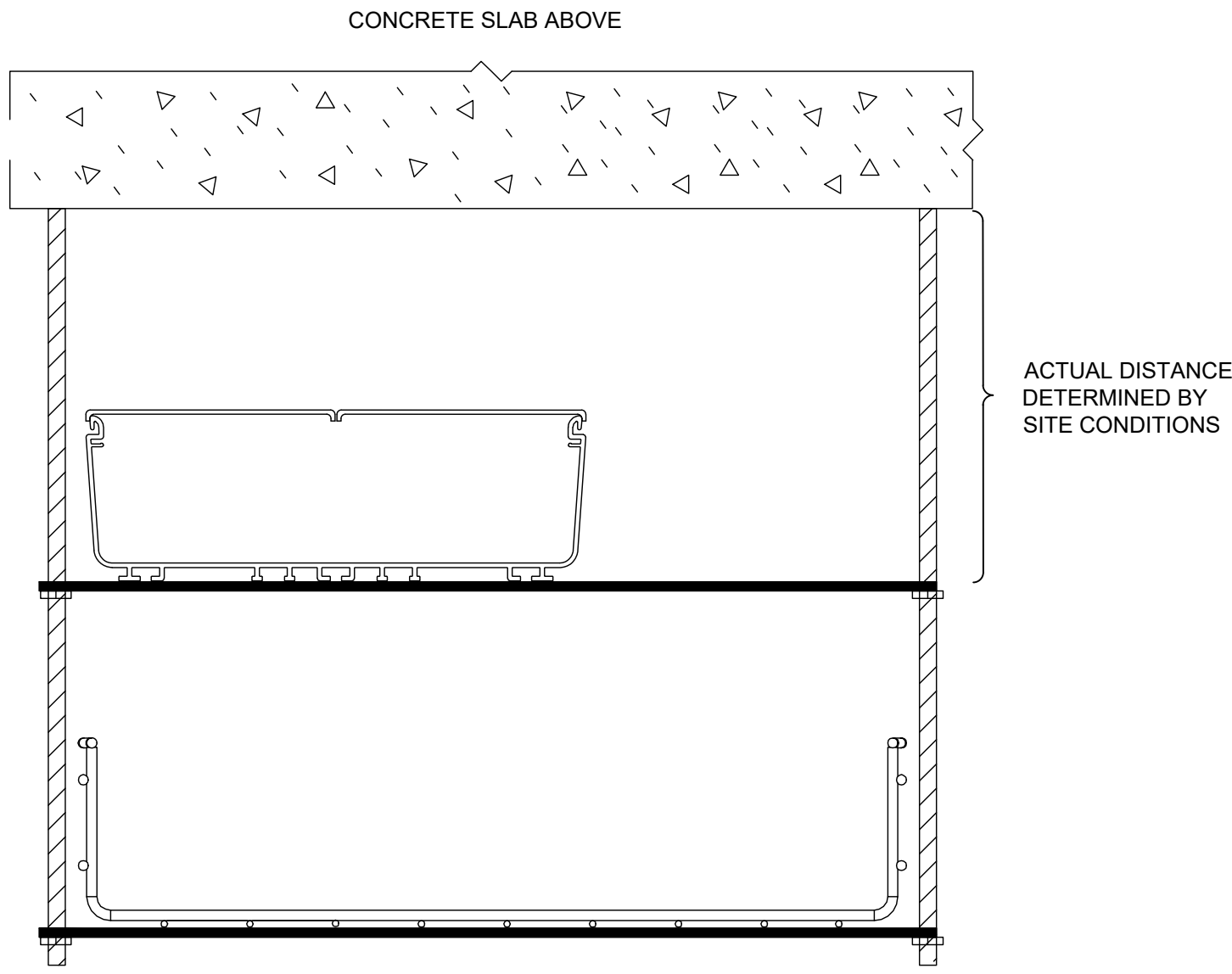
2  
TJ-018  
**EMT WATERFALLS AND BUSHINGS FOR ALL IT SPACES**  
SCALE: NTS

- GENERAL:**
1. ALL CONDUITS AND SLEEVES SHALL BE DEBURRED.
  2. PROVIDE PANDUIT TAK-TY CONDUIT WATERFALL #CWF400 OR APPROVED EQUAL ON BOTH ENDS ALL 4" EMT SLEEVES AND CONDUITS ENTERING IT SPACES AND PASSING THROUGH FIRE RATED WALLS.
  3. PROVIDE PUSH-ON BUSHINGS FOR ALL OTHER SIZE SLEEVES AND CONDUITS NOT CONNECTED TO A BOX FITTING.
  4. APPLY FIRESTOP TO BOTH ENDS OF SLEEVES AND CONDUITS AS PER CODE AND AHJ. APPLY MANUFACTURER FIRE RATED ASSEMBLY STICKER TO BOTH SIDES OF ALL PENETRATIONS.



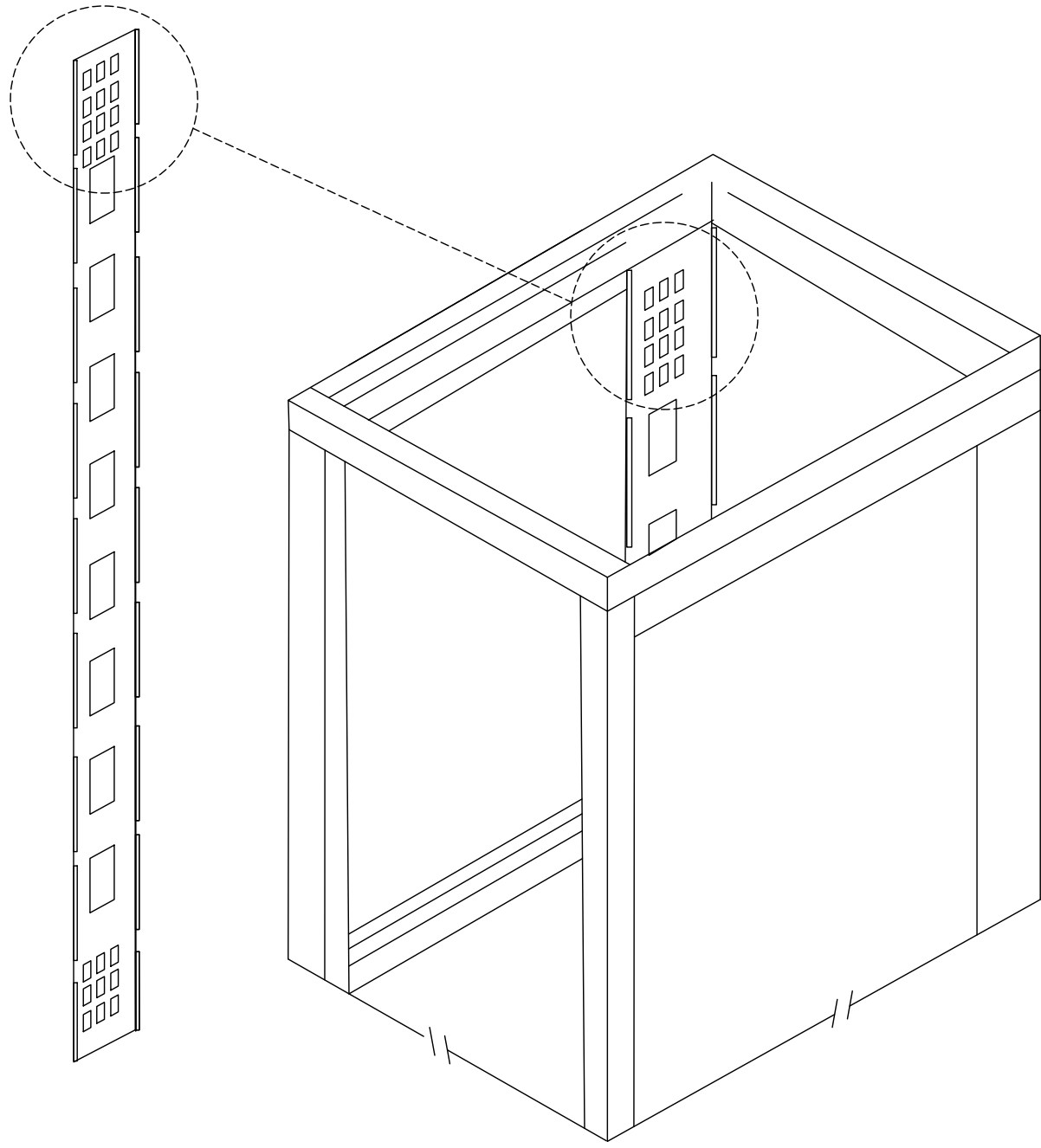
3  
TJ-018  
**SPEED SLEEVE DETAIL**  
SCALE: NTS

- GENERAL:**
1. PROVIDE FIRE RATED SPEED SLEEVES AT ALL RATED WALL PENETRATION LOCATIONS AS SHOWN ON PLANS. SIZED APPROPRIATELY TO A MAXIMUM FILL OF 40% AT TIME OF INSTALLATION.
  2. CORRIDOR FIRE RATED WALL LOCATIONS SHALL HAVE 2 ADDITIONAL SLEEVES IN ADDITION TO THOSE REQUIRED TO MEET FILL.
  3. AS A BASIS OF DESIGN, FIRE SLEEVES SHALL BE HILTI SPEED SLEEVES. ALTERNATE PRODUCTS SHALL BE EVALUATED FOR APPROVAL.
  4. SEE ARCHITECTURAL DETAIL SHEETS FOR PENETRATION REQUIREMENTS.



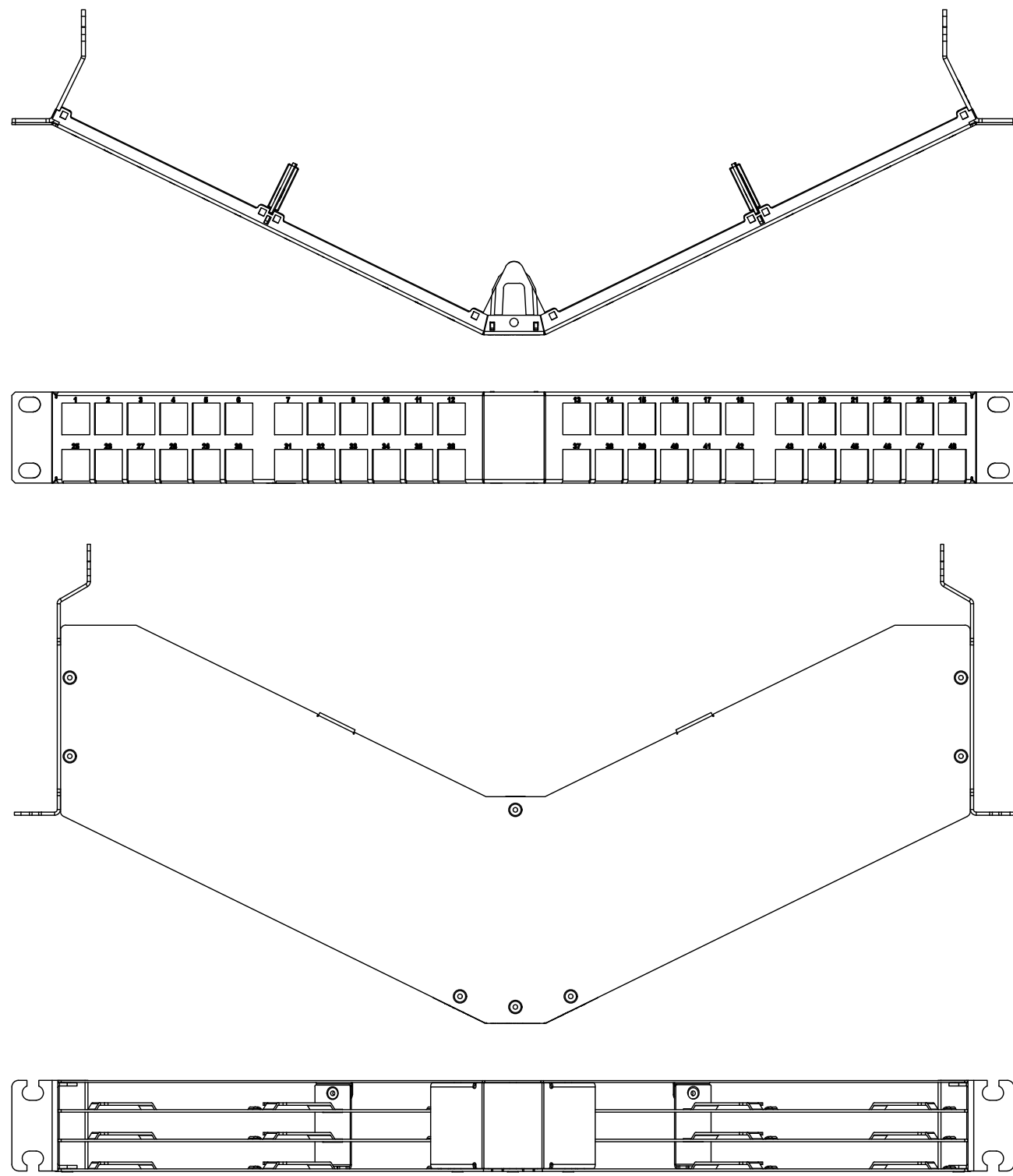
4  
TJ-018  
**MAIN COMPUTER ROOM BASKET TRAY AND FIBER CHANNEL**  
SCALE: NTS

- GENERAL:**
1. PROVIDE CABLOFIL BASKET TRAY AND COVERED PANDUIT FIBERRUNNER CHANNEL AS BASIS OF DESIGN, OR APPROVED EQUAL.
  2. PROVIDE PANDUIT FIBERRUNNER CHANNEL #FR12X4YLS WITH SPLIT HINGED COVER #FRHCT12YL6 OR APPROVED EQUAL. PROVIDE ALL NECESSARY CHANNEL COVERS, TURNS, TRUMPET SPULLOUTS, REQUIRED TO COMPLETE DESIGN SHOWN IN SCHEMATIC DIAGRAM. COLOR SHALL BE YELLOW. BASE OF CHANNEL TO BE INSTALLED 4" ABOVE TOP OF BASKET TRAY SIDE RAIL. PROVIDE ALL SUSPENSION HARDWARE, CONNECTORS, FASTENERS, AND ANCHORS REQUIRED FOR PROPER INSTALLATION OF A SINGLE STEEL THREADED ROD BRACKET #FR12TRBNxx (xx BEING THE DIAMETER OF THREADED ROD) TO BASKET TRAY SUPPORT.
  3. PROVIDE CABLOFIL 18"W X 4"D WHITE BASKET-TYPE CABLE TRAY #CF105450WH OR APPROVED EQUAL TO COMPLETE DESIGN AS SHOWN. BASE OF TRAY TO BE INSTALLED 6" ABOVE TOP OF CABINET/RACKS. PROVIDE #RAD T 90 KIT OR APPROVED EQUAL FOR ALL CORNER RADI. PROVIDE #SWK SPLICE HARDWARE OR APPROVED EQUAL FOR ALL TRAY JUNCTIONS. PROVIDE MANUFACTURER RECOMMENDED BOLT CUTTER/BOUFPIL FOR PROTECTING CABLES FROM SHARP EDGES WHEN BASKET TRAY IS MODIFIED. PROVIDE ALL MANUFACTURER BASKET TRAY HARDWARE, GAP FILLERS, SUPPORT PARTS AND HARDWARE WHEN MODIFYING TRAY. PROVIDE CABLE WATERFALL #CABLEXT100PE OR APPROVED EQUAL AT EACH SIDE OF ALL RACKS. PROVIDE ALL SUSPENSION HARDWARE, CONNECTORS, FASTENERS, AND ANCHORS REQUIRED FOR PROPER INSTALLATION OF A 2" STEEL THREADED ROD TRAPEZE USING BRACKET #FASPM400 OR APPROVED EQUAL TO ABOVE STRUCTURE. CABLE TRAY SHALL BE BONDED AS PER DETAILS ON SHEET TJ-026.
  4. BASE OF BASKET TRAY TO BE INSTALLED 6" ABOVE TOP OF CABINETS. FIBER CHANNEL TO BE INSTALLED 4" ABOVE TOP OF BASKET TRAY SIDE RAIL.
  5. MOUNT FIBER CHANNEL WITH SUFFICIENT CLEARANCE FOR HINGED COVERS TO OPEN TO 90 DEGREES. FIBER CHANNEL TO BE OFFSET TO EDGE OF MOUNTING SYSTEM CLOSEST TO OPERATIONAL ACCESS AND TO ACCOMMODATE CABLE SPILLWAYS.
  6. DETAIL DRAWING IS REPRESENTATIONAL ONLY. SEE MATERIAL REQUIREMENTS FOR PROPER SIZING.



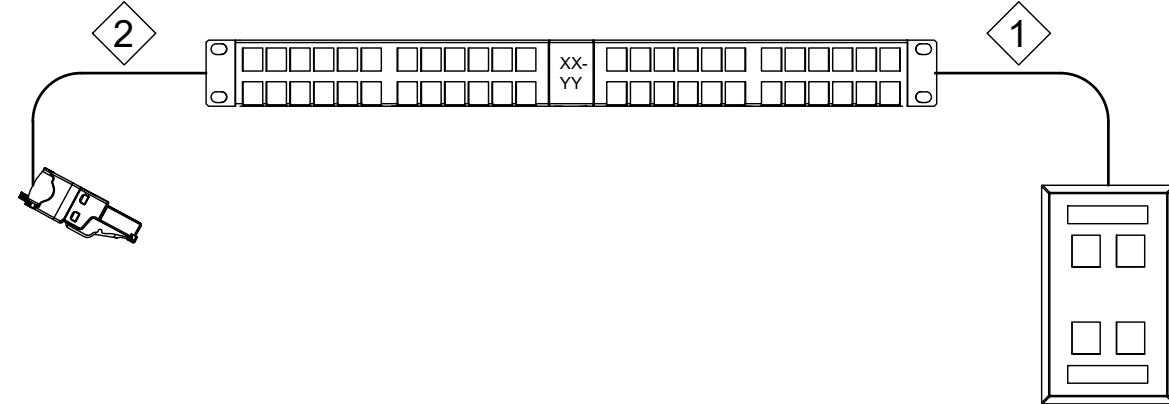
5  
TJ-018  
**CABINET PDU BRACKET MOUNTING**  
SCALE: NTS

- GENERAL:**
1. DRAWING SHOWS TYPICAL MOUNTING METHOD IN REAR OF CABINETS.
  2. OEM CABINET PDU BRACKETS SHALL BE MOUNTED ON BOTH SIDES OF CABINETS FOR EACH A AND B ELECTRICAL BUSES.
  3. NUMBER OF PDUs VARY BY CABINET. SEE MCR EQUIPMENT SCHEDULES FOR MODEL AND QUANTITIES.



6  
TJ-018  
**MCR AND TR ANGLED PATCH PANELS**  
SCALE: NTS

- GENERAL:**
1. PROVIDE ANGLED FACEPLATE COPPER HIGH DENSITY PATCH PANELS AND ANGLED FIBER OPTIC PATCH PANELS AS SHOWN ON CABINET ELEVATION SHEETS.
  2. FRONT CABINET MOUNTING RAILS SHALL BE RECESSED 5 INCHES TO ACCOMMODATE ANGLED PANELS AND PATCH CORD BEND RADIUS. CONTRACTOR TO VERIFY AND ADJUST RAIL DEPTH AS NECESSARY.
  3. PROVIDE ALL NECESSARY TRUNKS, CASSETTES, COVERS, CABLE DISTRIBUTION PANELS AS SHOWN ON EQUIPMENT DETAILS.
  4. SEE SHEETS WITH ENLARGED TELECOMM SPACES FOR DETAILS AND PART NUMBERS.
  5. SEE SHEET TJ-034 FOR TYPICAL LABELING.

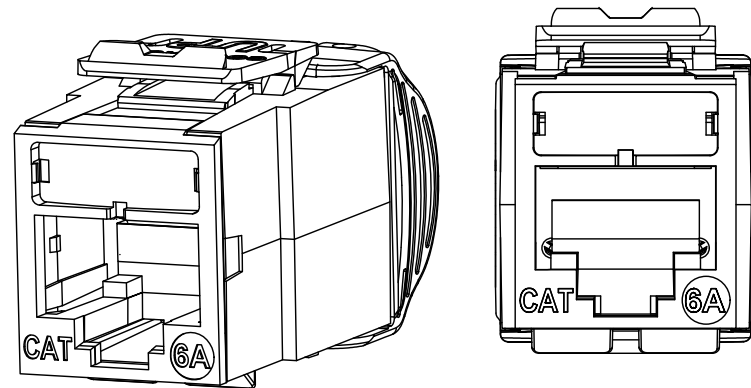


7  
TJ-018  
**TR PATCH PANEL DETAILS - TYPICAL**  
SCALE: NTS

- GENERAL:**
1. SEE FLOOR PLANS FOR LOCATIONS OF TELECOMMUNICATION OUTLETS. PROVIDE QUANTITY OF CAT 6A DROPS PER OUTLET AS INDICATED INSIDE TELECOM SYMBOL ON FLOOR PLANS. SEE THIS SHEET AND SPECIFICATION FOR ADDITIONAL PANEL AND OUTLET REQUIREMENTS.
  2. SEE SHEET TJ-017 FOR TYPICAL LABELING.

UTP CABLE SCHEDULE			
SYMBOL	COLOR	DESCRIPTION	REMARKS
1	BLUE	FOUR PAIR UTP CATEGORY 6A CABLE FOR DATA. PART# BERK-TEK LANMARK SST '11101842' OR APPROVED EQUAL. QUANTITY PER DEVICE AS NOTED ON FLOOR PLANS AND CABLE SCHEDULES.	1, 2, 3
2	GREY	FOUR PAIR UTP CATEGORY 6A CABLE FOR WIFI. PART# BERK-TEK LANMARK SST '11140402' OR APPROVED EQUAL. QUANTITY PER DEVICE AS NOTED ON FLOOR PLANS AND CABLE SCHEDULES.	1, 2, 3
2	YELLOW	FOUR PAIR UTP CATEGORY 6A CABLE FOR SECURITY. PART# BERK-TEK LANMARK SST '11140403' OR APPROVED EQUAL. QUANTITY PER DEVICE AS NOTED ON FLOOR PLANS AND CABLE SCHEDULES.	1, 2
2	VIOLET	FOUR PAIR UTP CATEGORY 6A CABLE FOR ACCESS CONTROLLER AND CAMERAS. PART# BERK-TEK LANMARK SST '11140407' OR APPROVED EQUAL. QUANTITY PER DEVICE AS NOTED ON FLOOR PLANS AND CABLE SCHEDULES.	1, 2, 3

- NOTES**
1. UTP CABLE TO BE ROUTED FROM OUTLETS IN CONDUITS ABOVE CEILING TO J-HOOKS IN ACCESSIBLE CEILING SPACE. SEE OUTLET BOX DETAIL THIS SHEET.
  2. ALL TELECOMMUNICATION CABLES SHALL BE TERMINATED IN TR ON PATCH PANELS.
  3. WHEN INSTALLED IN ACCESSIBLE CEILING SPACES, UTP FOR WAPs AND CAMERAS SHALL BE TERMINATED ON BISCUIT BLOCKS. SEE BISCUIT DETAIL ON SHEET TJ-017.



8  
TJ-018  
**COMMUNICATIONS JACK DETAIL**  
SCALE: NTS

UTP JACK SCHEDULE	
COLOR	DESCRIPTION
BLUE	ATLAS-X1 CATEGORY 6A JACK FOR DATA. PART# LEVITON '6AUJK-R16' OR APPROVED EQUAL. QUANTITY AS NOTED ON FLOOR PLANS AND CABLE SCHEDULES.
GREY	ATLAS-X1 CATEGORY 6A JACK FOR WIFI. PART# LEVITON '6AUJK-RS6' OR APPROVED EQUAL. QUANTITY AS NOTED ON FLOOR PLANS AND CABLE SCHEDULES.
YELLOW	ATLAS-X1 CATEGORY 6A JACK FOR SECURITY. PART# LEVITON '6AUJK-RY6' OR APPROVED EQUAL. QUANTITY AS NOTED ON FLOOR PLANS AND CABLE SCHEDULES.
PURPLE	ATLAS-X1 CATEGORY 6A JACK FOR ACCESS CONTROLLER AND INTERIOR CAMERAS. PART# LEVITON '6AUJK-RP6' OR APPROVED EQUAL. QUANTITY AS NOTED ON FLOOR PLANS AND CABLE SCHEDULES.

**NOTES**

1. JACK COLOR TO MATCH CABLE COLOR ON TR PATCH PANELS AND WAPs.

Revisions:	Date:

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ADAM GODDIN, PE



**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**

VA U.S. Department of Veterans Affairs

DRAWING TITLE

TELECOMM DETAILS

APPROVED: Project Director

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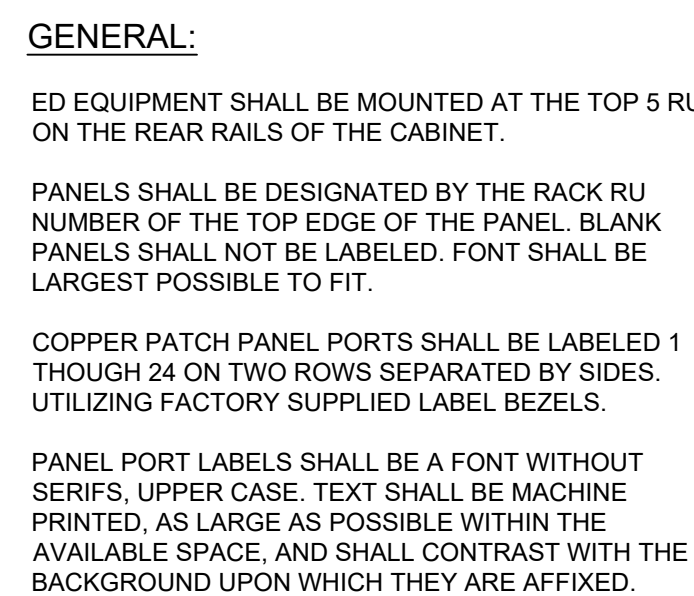
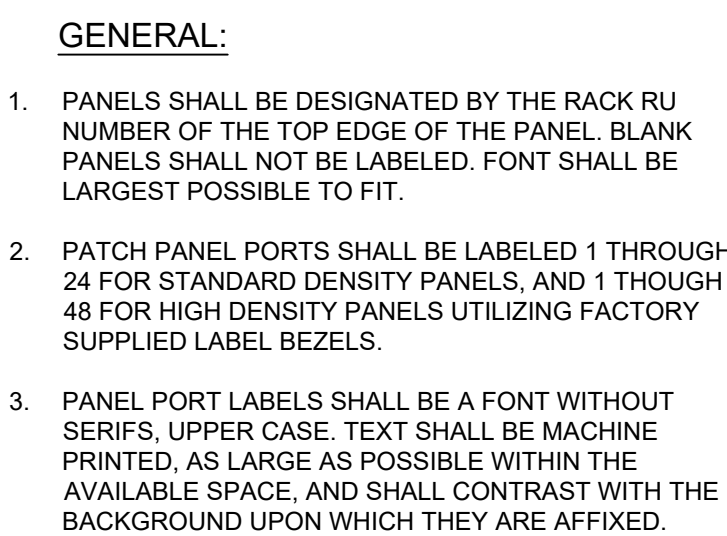
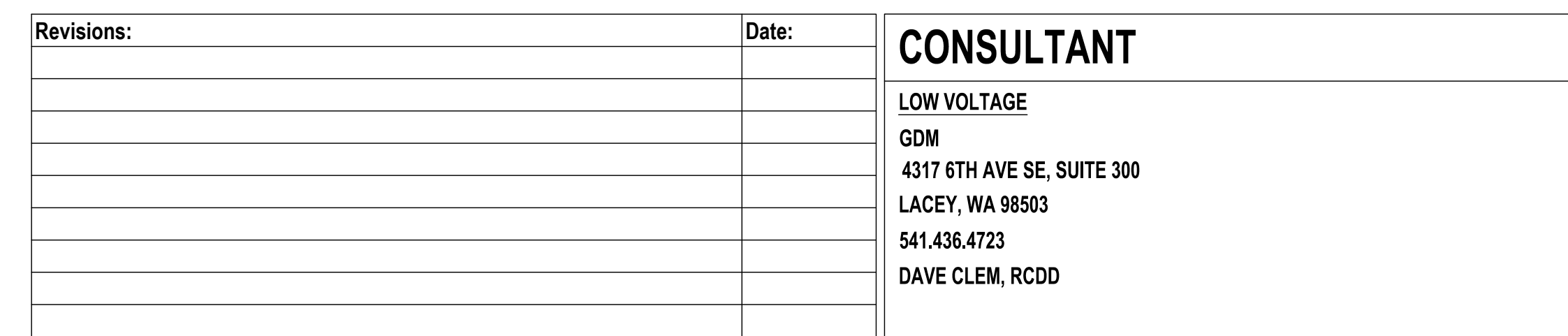
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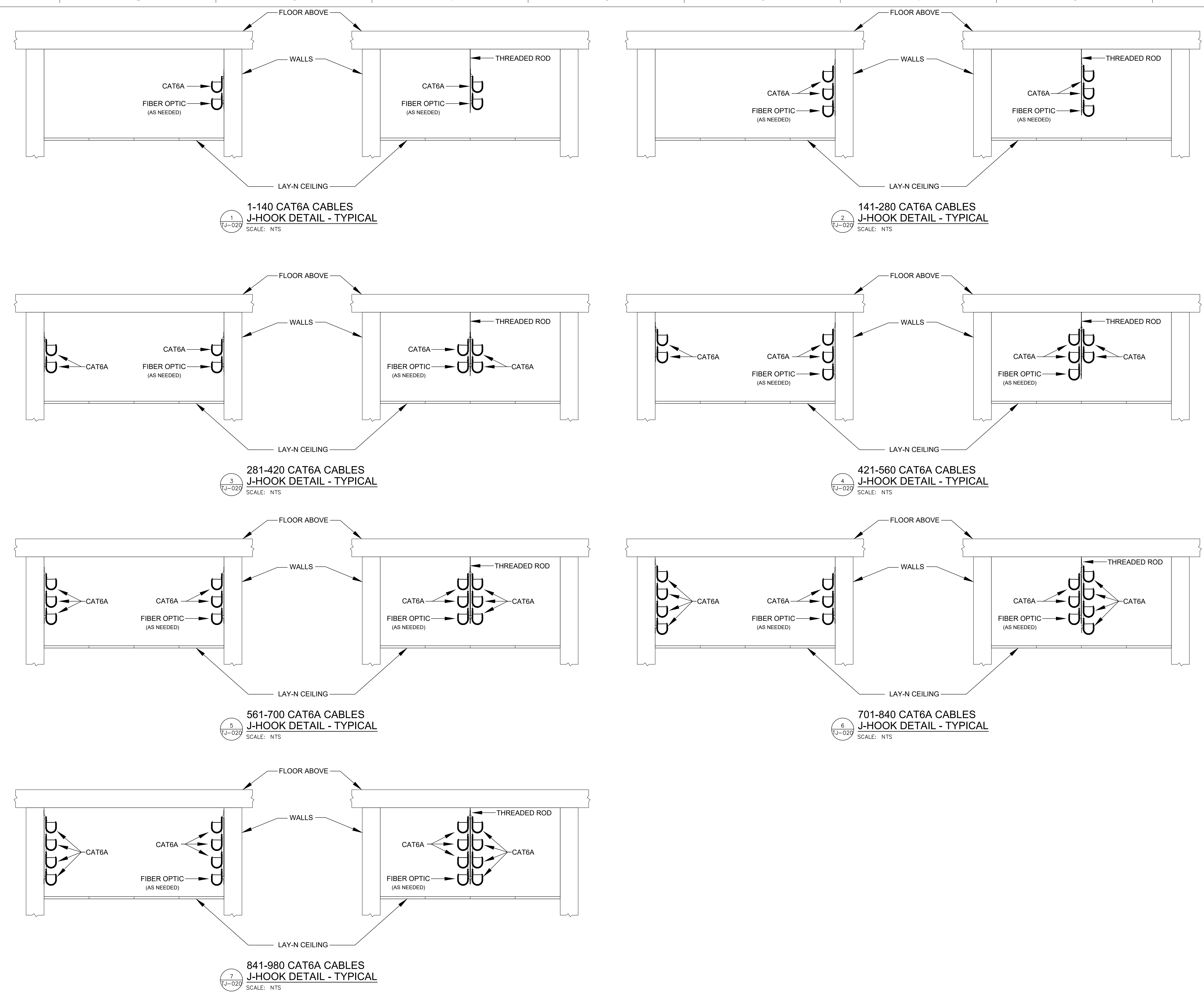
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TJ-018





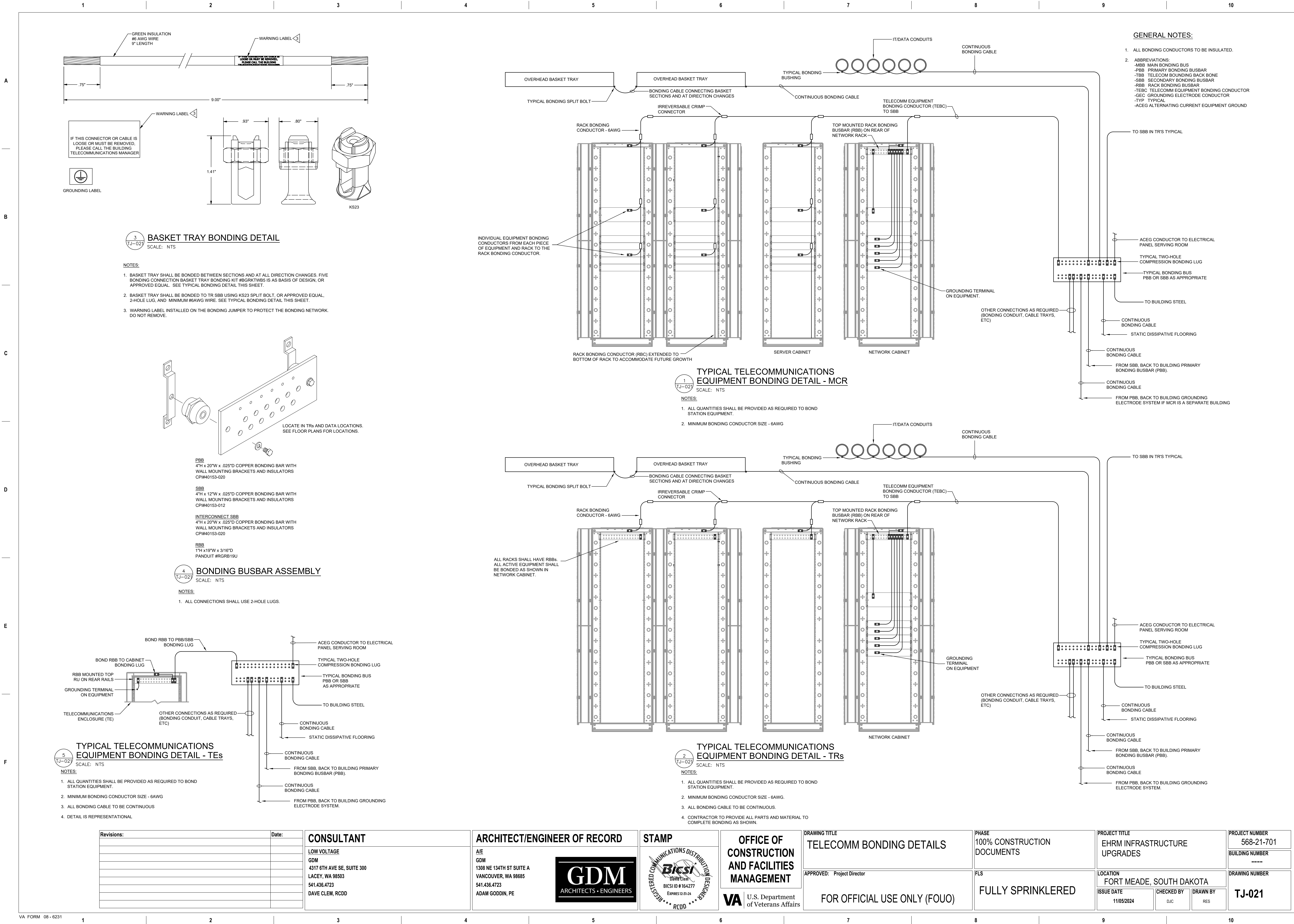


**GENERAL NOTES**

1. PROVIDE CADDY CAT HP J-HOOK SYSTEM #CAT64HP OR APPROVED EQUAL.
2. PROVIDE ALL NECESSARY ALL-THREAD ROD, BRACKETS, MOUNTING TREES, CLAMPS, COUPLES, CONNECTOR AND HARDWARE TO PROPERLY INSTALL J-HOOK SYSTEM BASED ON CONDITIONS.
3. J-HOOKS SHALL BE NO FURTHER THAN 5' APART, OR SHORTER AS CONDITIONS DICTATE.
4. CABLE GRAVITY DROOP SHALL NOT EXCEED 12"
5. NUMBER OF CAT6A CABLES PER J-HOOK SHALL NOT EXCEED 140.
6. CONTRACTOR TO ROUTE CABLING IN CONDUIT FOR ALL HARD LID CEILINGS. SEE PLANS FOR ADDITIONAL INFORMATION.

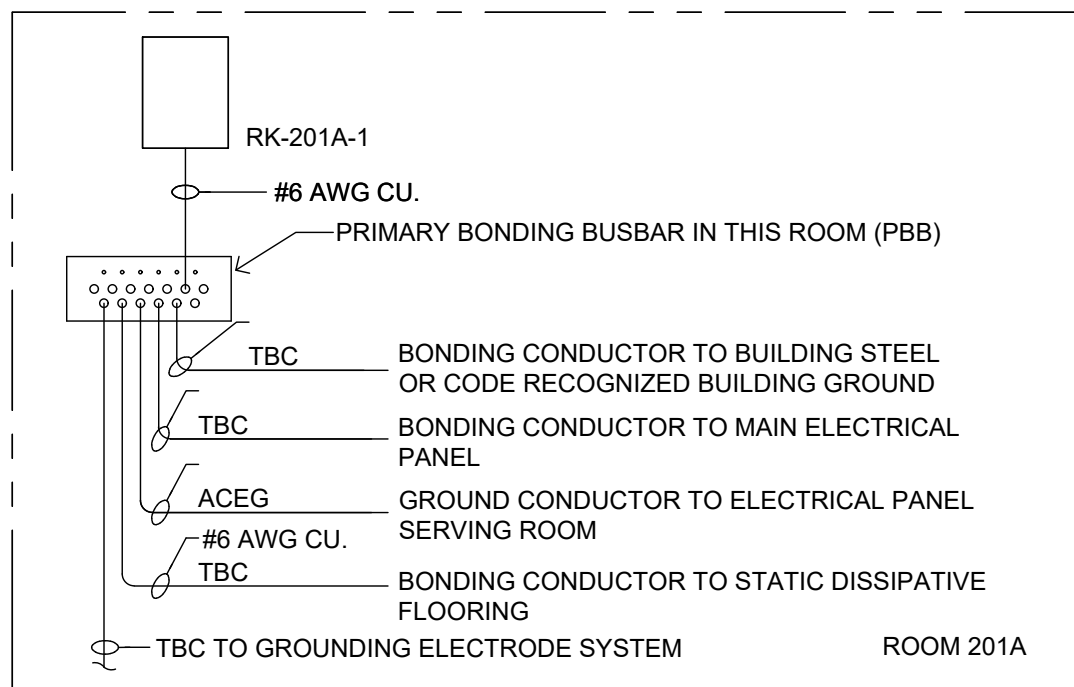
Revisions:	Date:

<b>CONSULTANT</b> LOW VOLTAGE GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 DAVE CLEM, RCDD	<b>ARCHITECT/ENGINEER OF RECORD</b> A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, PE	<b>STAMP</b>  REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER RCDD	<b>OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT</b>  U.S. Department of Veterans Affairs	<b>DRAWING TITLE</b> TELECOMM J-HOOK DETAILS  <b>APPROVED:</b> Project Director  <b>FOR OFFICIAL USE ONLY (FOUO)</b>	<b>PHASE</b> 100% CONSTRUCTION DOCUMENTS  <b>FLS</b> FULLY SPRINKLERED	<b>PROJECT TITLE</b> EHRM INFRASTRUCTURE UPGRADES  <b>LOCATION</b> FORT MEADE, SOUTH DAKOTA <table><tr><td><b>ISSUE DATE</b> 11/05/2024</td><td><b>CHECKED BY</b> DJC</td><td><b>DRAWN BY</b> RES</td></tr></table>	<b>ISSUE DATE</b> 11/05/2024	<b>CHECKED BY</b> DJC	<b>DRAWN BY</b> RES	<table><tr><td><b>PROJECT NUMBER</b> 568-21-701</td></tr><tr><td><b>BUILDING NUMBER</b> ----</td></tr><tr><td><b>DRAWING NUMBER</b> TJ-020</td></tr></table>	<b>PROJECT NUMBER</b> 568-21-701	<b>BUILDING NUMBER</b> ----	<b>DRAWING NUMBER</b> TJ-020
<b>ISSUE DATE</b> 11/05/2024	<b>CHECKED BY</b> DJC	<b>DRAWN BY</b> RES											
<b>PROJECT NUMBER</b> 568-21-701													
<b>BUILDING NUMBER</b> ----													
<b>DRAWING NUMBER</b> TJ-020													

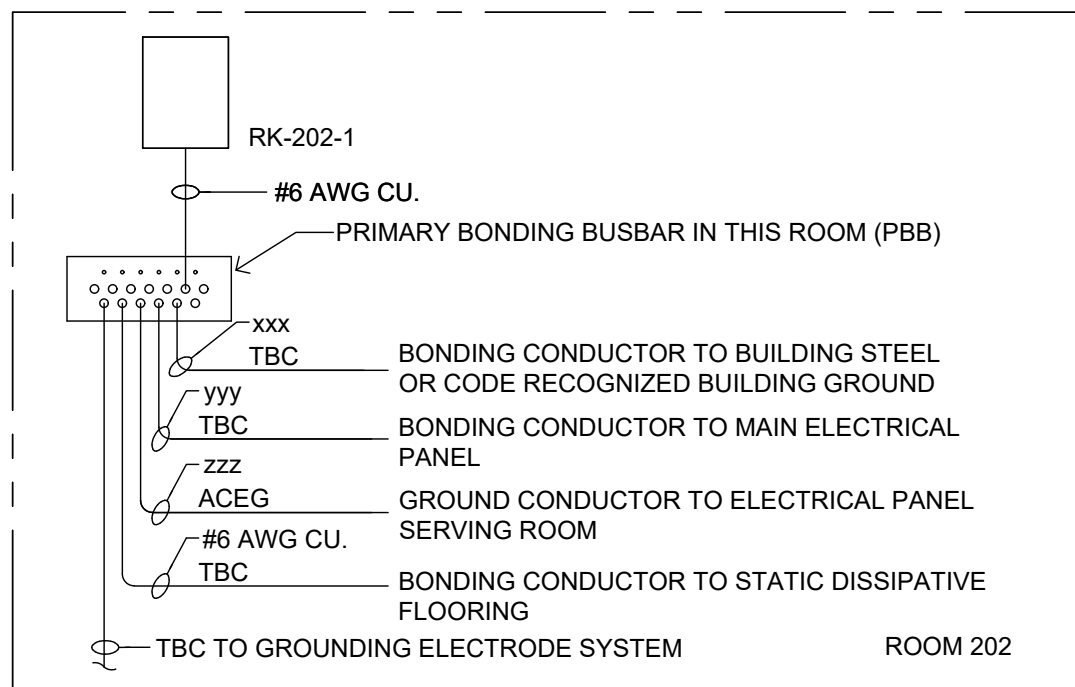


TBB / BBC LINEAR LENGTH IN FEET	CONDUCTOR SIZE (AWG)
LESS THAN 13	6
14-20	4
21-26	3
27-33	2
34-41	1
42-52	1/0
53-66	2/0
67-84	3/0
85-105	4/0
106-125	250 KCMIL
126-150	300 KCMIL
151-175	350 KCMIL
176-250	500 KCMIL
251-300	600 KCMIL
GREATER THAN 301	750 KCMIL

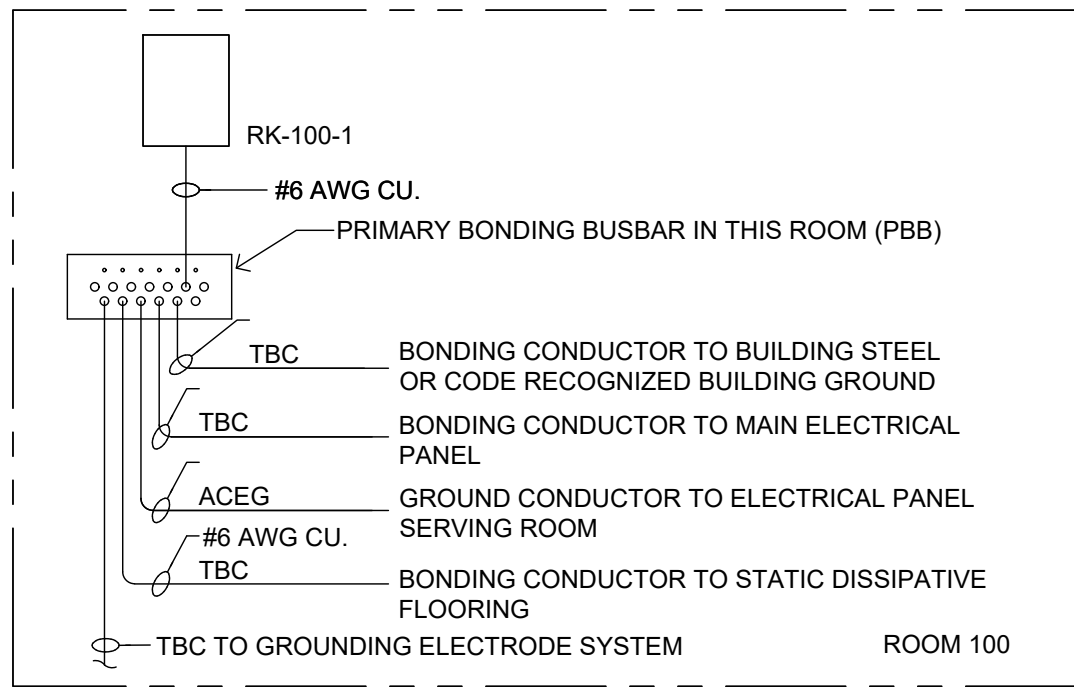
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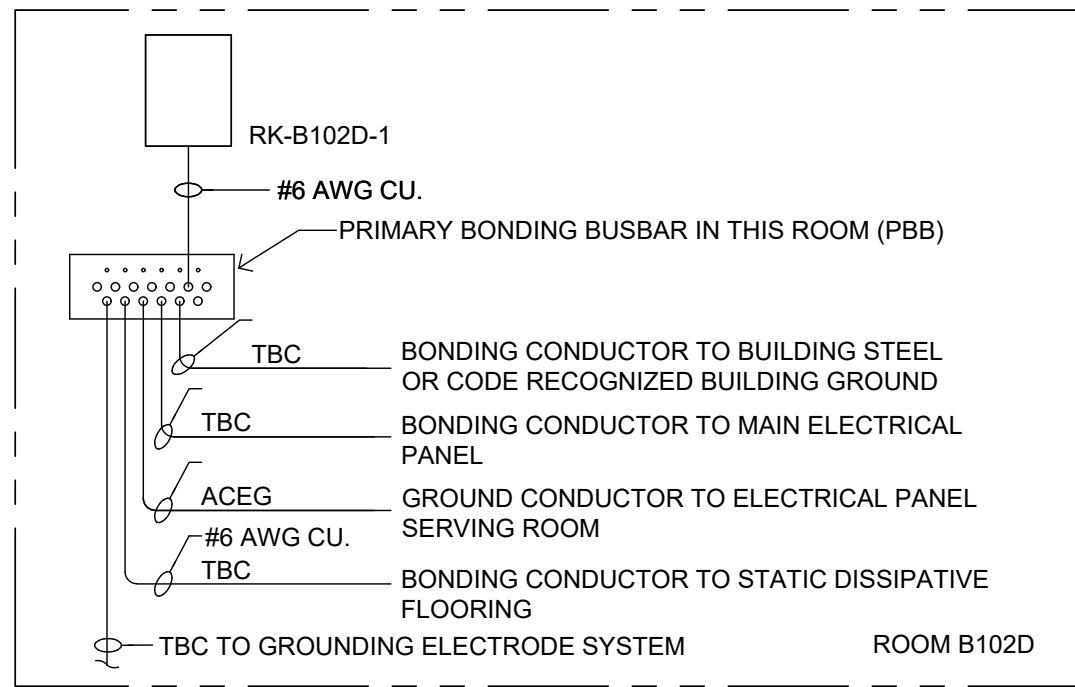
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**BONDING DETAIL - BLDG 50**  
SCALE: NTS



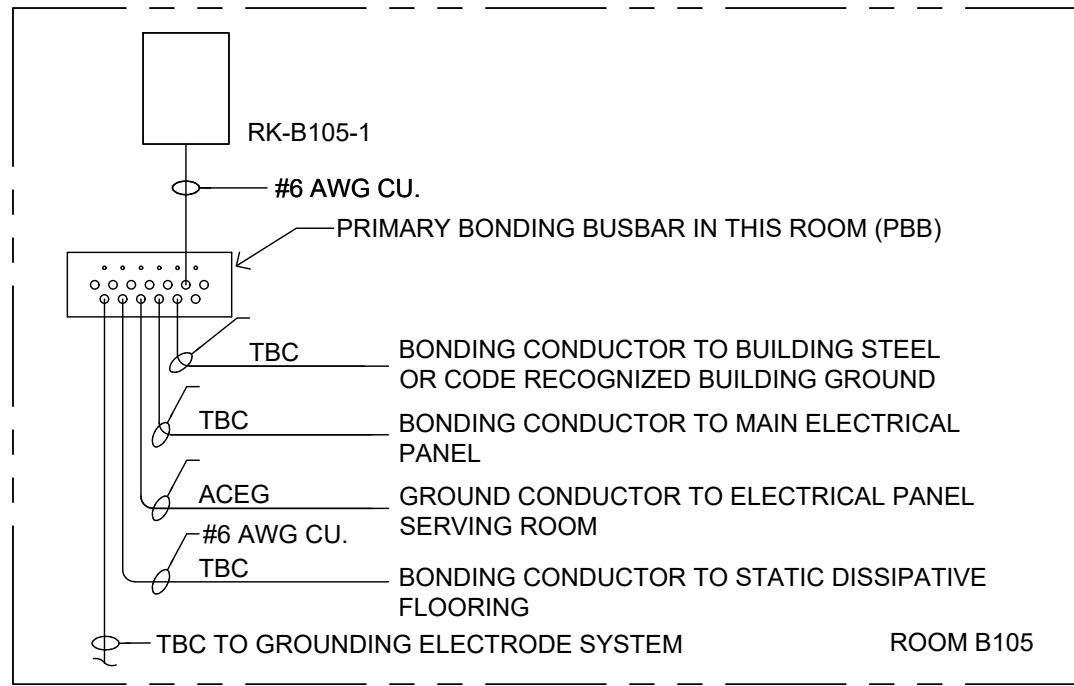
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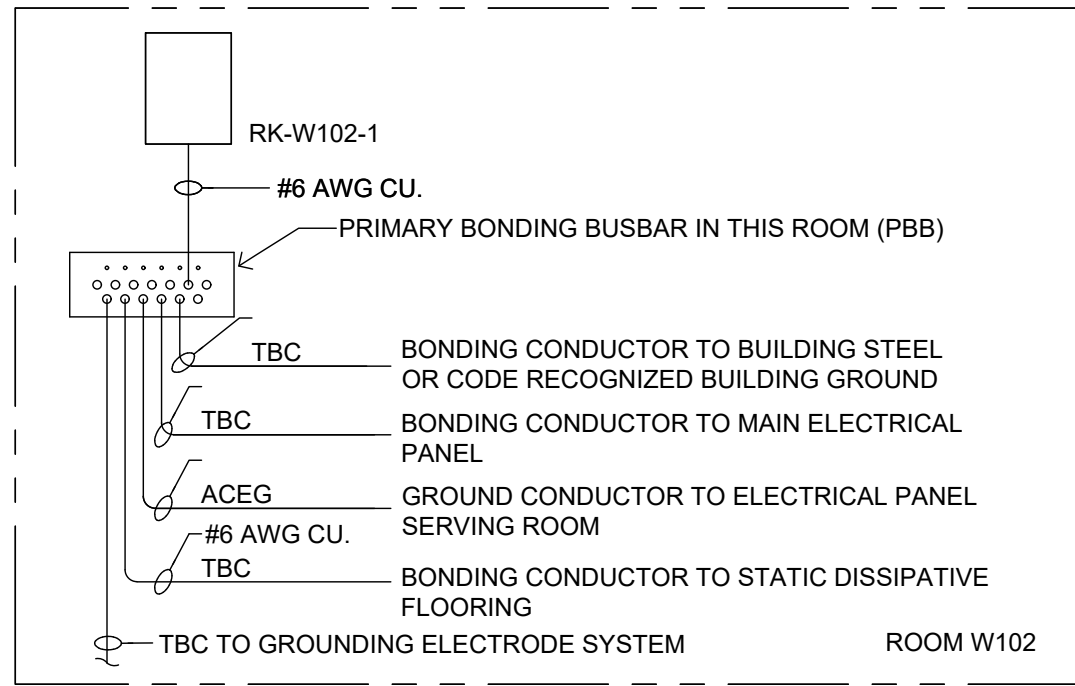
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SCALE: NTS



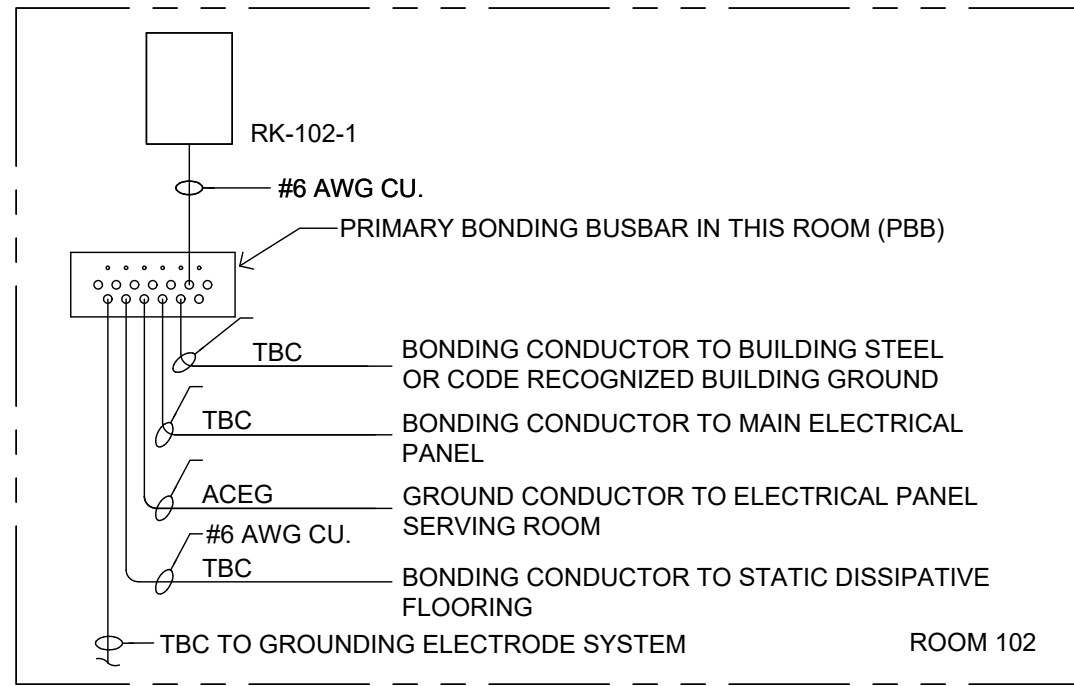
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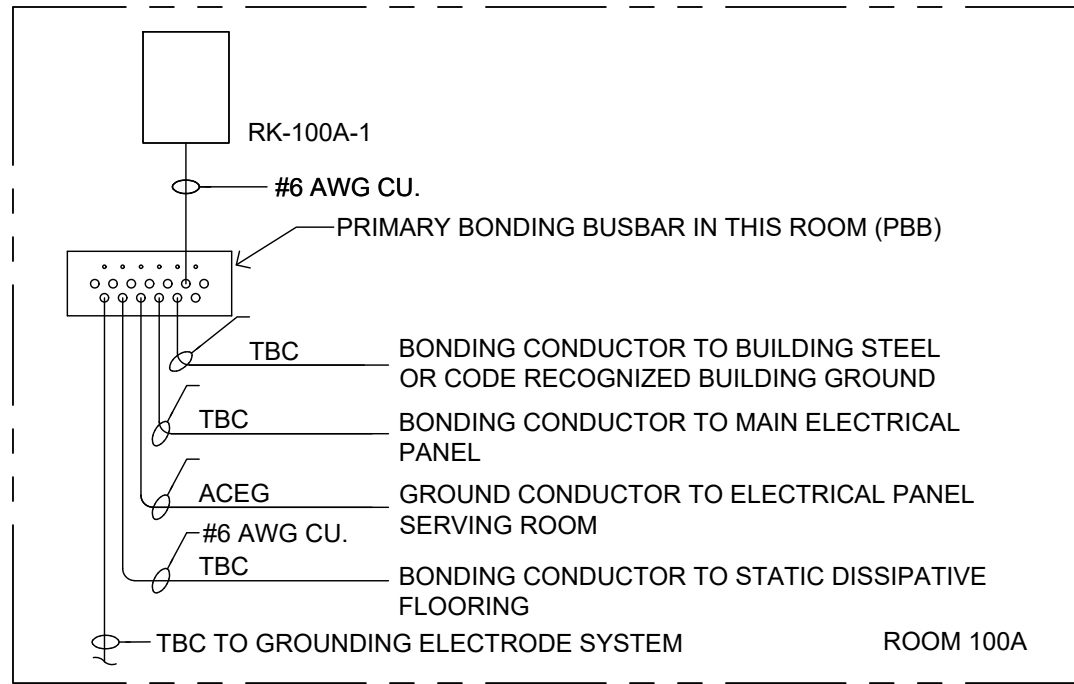
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SCALE: NTS



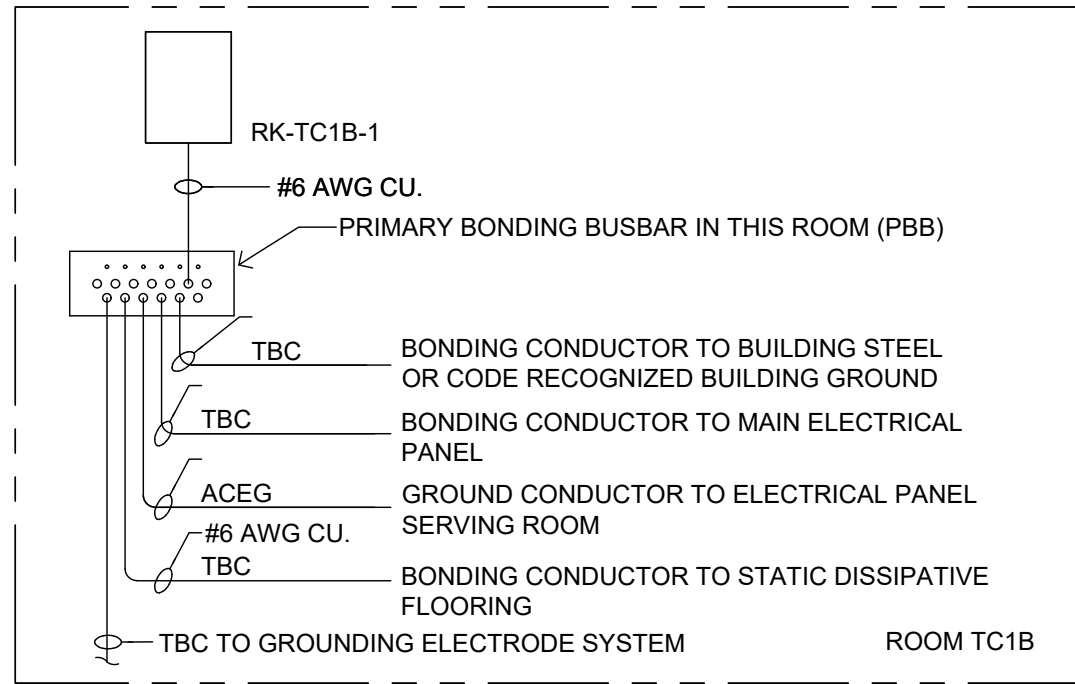
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SCALE: NTS



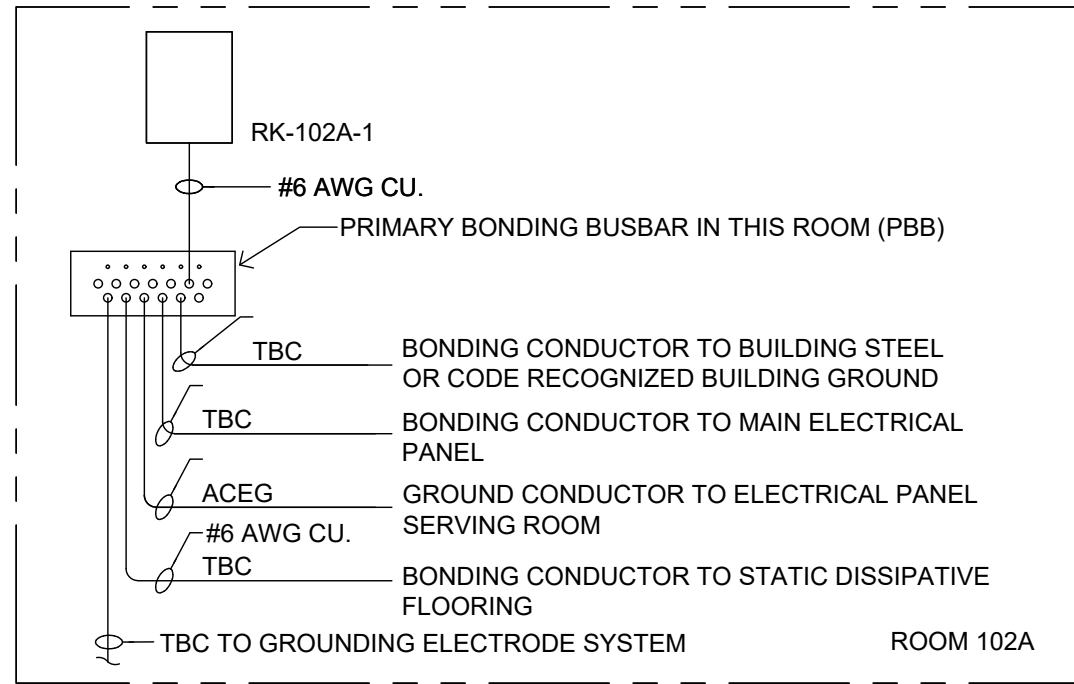
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**BONDING DETAIL - BLDG 110**  
SCALE: NTS



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TJ-022  
**BONDING DETAIL - BLDG 40**  
SCALE: NTS



5  
TJ-022  
**BONDING DETAIL - BLDG 53**  
SCALE: NTS



9  
TJ-022  
**BONDING DETAIL - BLDG 90**  
SCALE: NTS

- NOTES:
- ALL BONDING CONDUCTORS SHALL BE MINIMUM OF #6 AWG CU. INSULATED WIRE.
  - ALL LENGTHS ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTH TO DETERMINE CONDUCTOR SIZE.
  - STATIC DISSIPATIVE FLOOR TILE IN IT SPACES: CONNECT COPPER GROUND-CONNECTION STRIPS TO GROUNDING BUSBAR. SOLDER A WIRE (#12 OR #14) TO THE COPPER STRIP AND CONNECT THIS WIRE TO A GROUND BUS IN ACCORDANCE WITH APPLICABLE BUILDING OR ELECTRICAL CODES. REFER TO MANUFACTURER SPECIFICATIONS.
  - CONNECTION ONLY OF ELECTRICAL PANEL CONDUCTOR AND GROUNDING ELECTRODE CONDUCTOR TO BE PROVIDED BY DIV 26 ELECTRICAL CONTRACTOR.

Revisions:	Date:

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AND FACILITIES  
MANAGEMENT**



**DRAWING TITLE**

TELECOMM BONDING DETAILS

APPROVED: Project Director

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**PHASE**

100% CONSTRUCTION  
DOCUMENTS

**FLS**

FULLY SPRINKLERED

**PROJECT TITLE**

EHRM INFRASTRUCTURE  
UPGRADES

**LOCATION**

FORT MEADE, SOUTH DAKOTA

**ISSUE DATE**

11/05/2024

**CHECKED BY**

DJC

**DRAWN BY**

RES

**PROJECT NUMBER**

568-21-701

**BUILDING NUMBER**

----

**DRAWING NUMBER**

TJ-022



A

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A

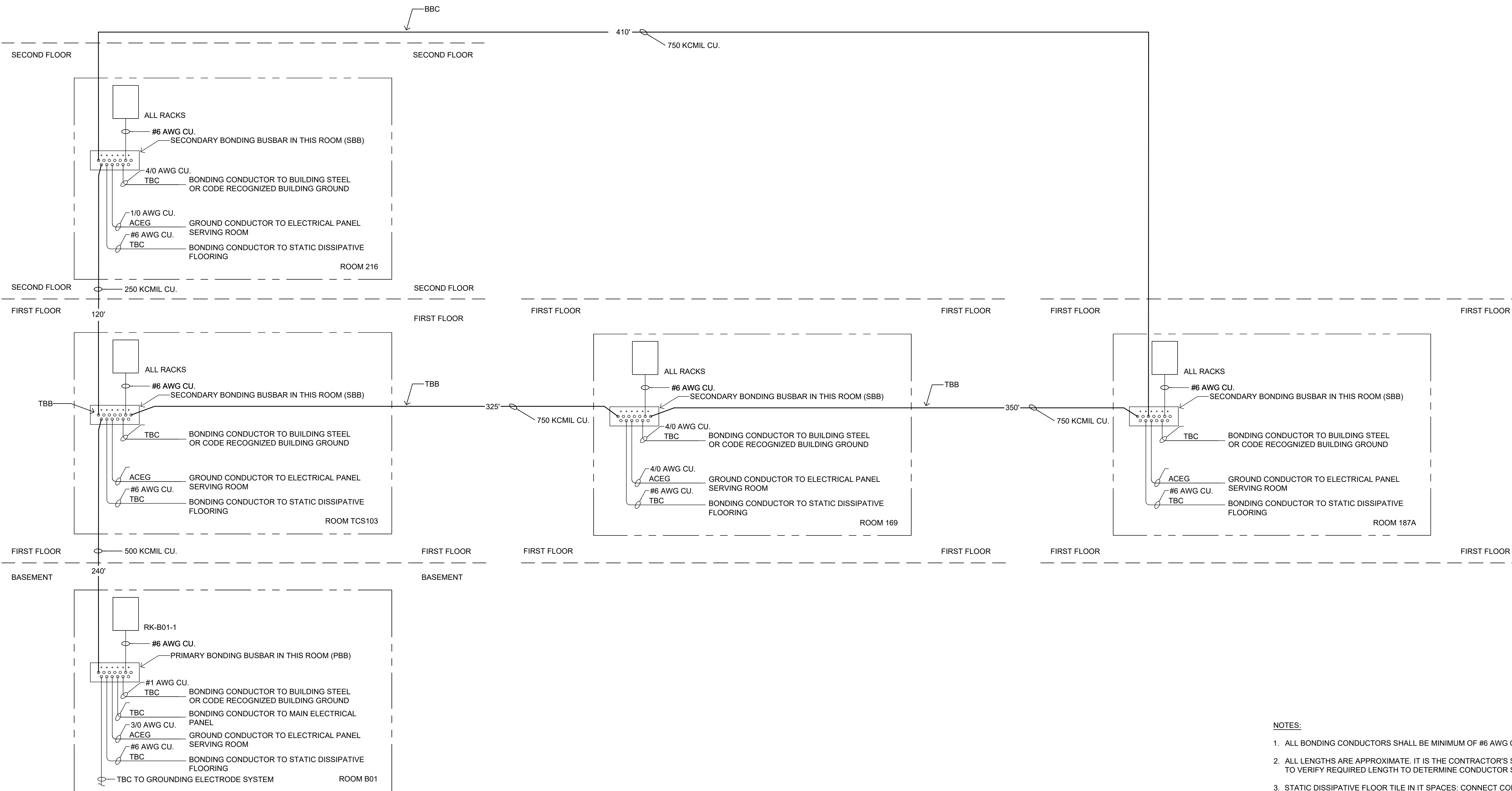
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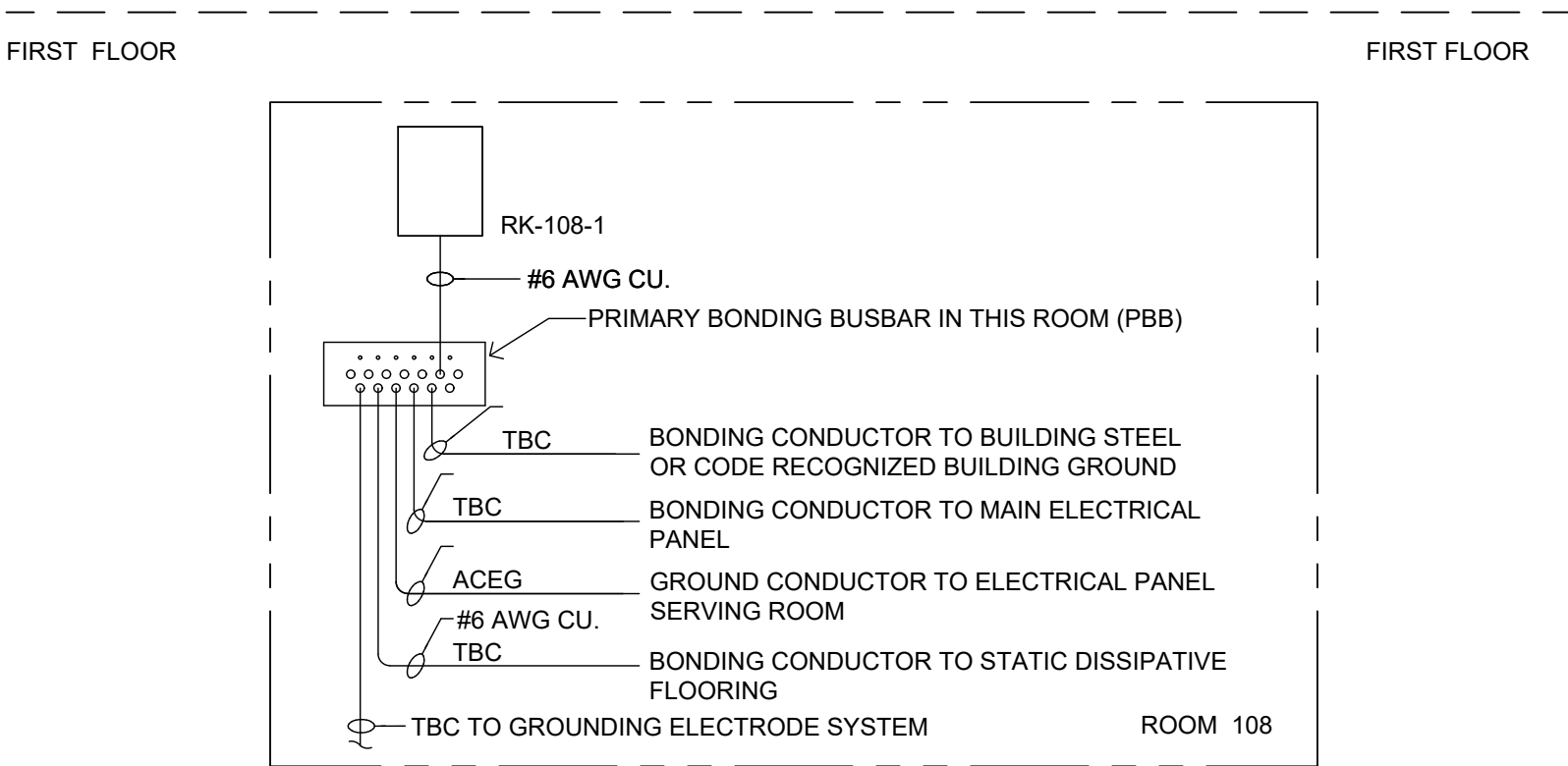
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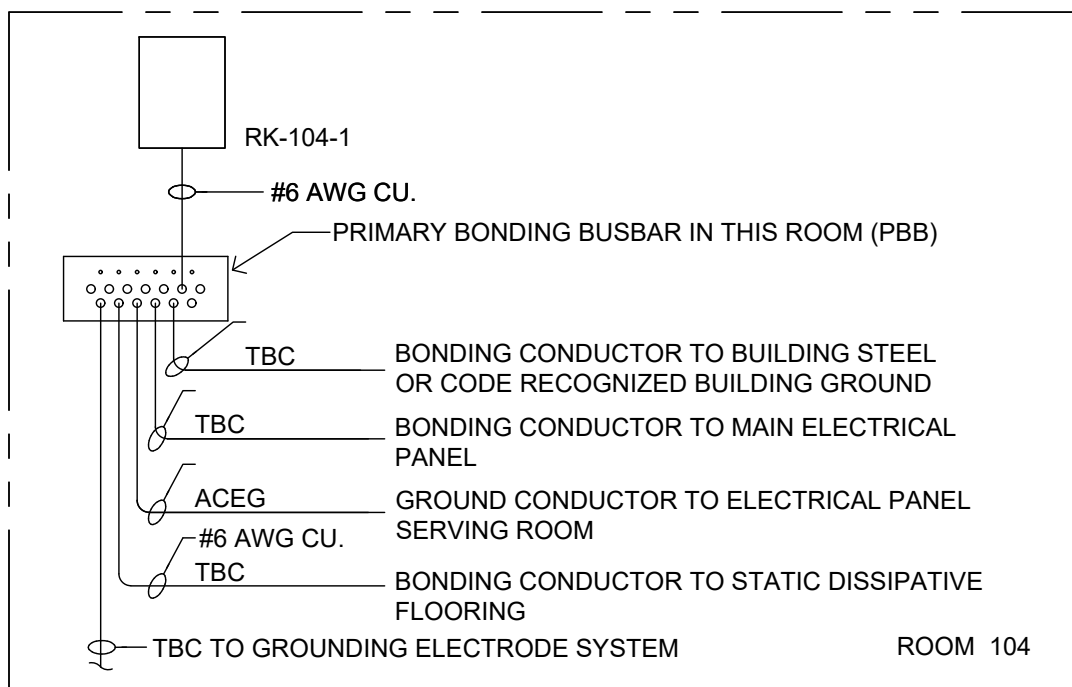
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1  
TJ-023  
BONDING DETAIL - BLDG 113  
SCALE: NTS



3  
TJ-023  
BONDING DETAIL - BLDG 144  
SCALE: NTS



2  
TJ-023  
BONDING DETAIL - BLDG 137  
SCALE: NTS

- NOTES:
1. ALL BONDING CONDUCTORS SHALL BE MINIMUM OF #6 AWG CU. INSULATED WIRE.
  2. ALL LENGTHS ARE APPROXIMATE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY REQUIRED LENGTH TO DETERMINE CONDUCTOR SIZE.
  3. STATIC DISSIPATIVE FLOOR TILE IN IT SPACES: CONNECT COPPER GROUND-CONNECTION STRIPS TO GROUNDING BUSBAR. SOLDER A WIRE (#12 OR #14) TO THE COPPER STRIP AND CONNECT THIS WIRE TO A GROUND BUS IN ACCORDANCE WITH APPLICABLE BUILDING OR ELECTRICAL CODES. REFER TO MANUFACTURER SPECIFICATIONS.
  4. CONNECTION ONLY OF ELECTRICAL PANEL CONDUCTOR AND GROUNDING ELECTRODE CONDUCTOR TO BE PROVIDED BY DIV 26 ELECTRICAL CONTRACTOR.

Revisions:	Date:

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DRAWING TITLE  
TELECOMM BONDING DETAILS

APPROVED: Project Director

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FLS

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PROJECT TITLE  
EHRM INFRASTRUCTURE  
UPGRADES

LOCATION  
FORT MEADE, SOUTH DAKOTA  
ISSUE DATE  
11/05/2024

CHECKED BY  
DJC

DRAWN BY  
RES

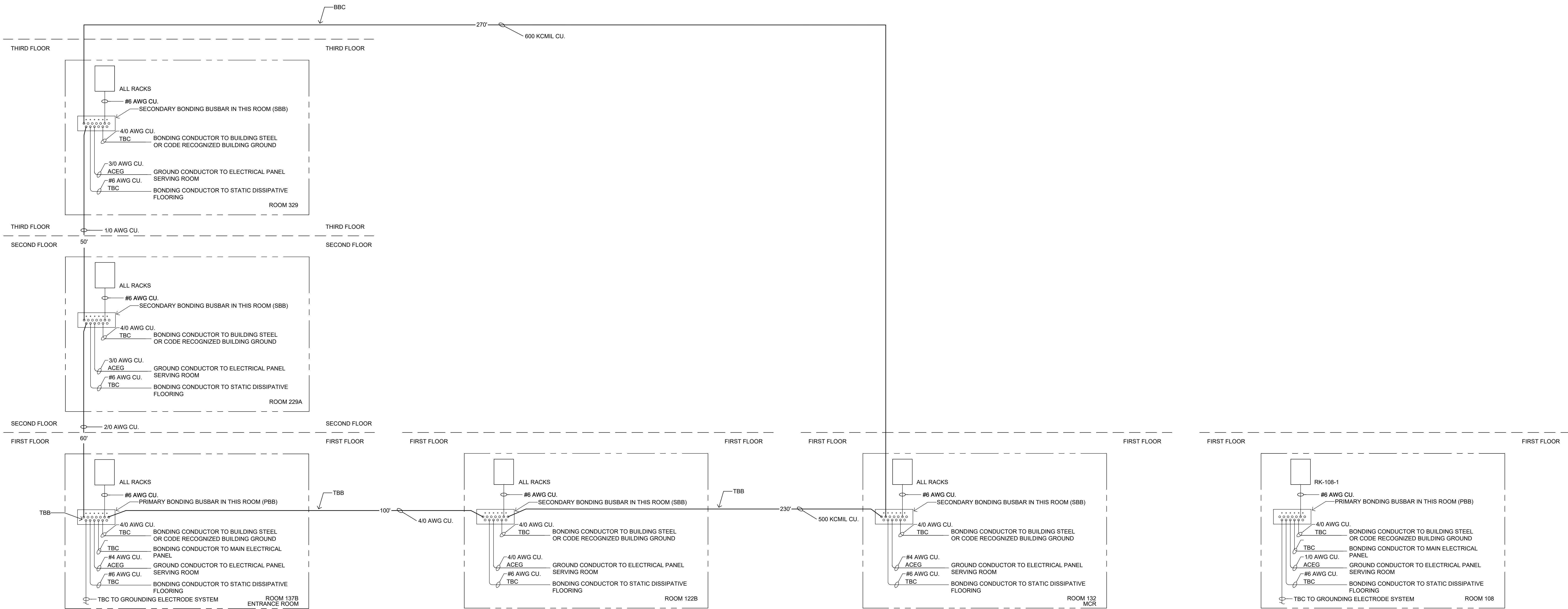
PROJECT NUMBER  
568-21-701

BUILDING NUMBER  
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DRAWING NUMBER

TJ-023

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  4. CONNECTION ONLY OF ELECTRICAL PANEL CONDUCTOR AND GROUNDING ELECTRODE CONDUCTOR TO BE PROVIDED BY DW 26 ELECTRICAL CONTRACTOR.



1 BONDING DETAIL - BLDG 145  
SCALE: NTS

2 BONDING DETAIL - BLDG 146  
SCALE: NTS

Revisions:	Date:

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BICSI ID #1642277  
EXPIRES 12-31-24  
RCDD

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AND FACILITIES  
MANAGEMENT**  
VA U.S. Department  
of Veterans Affairs

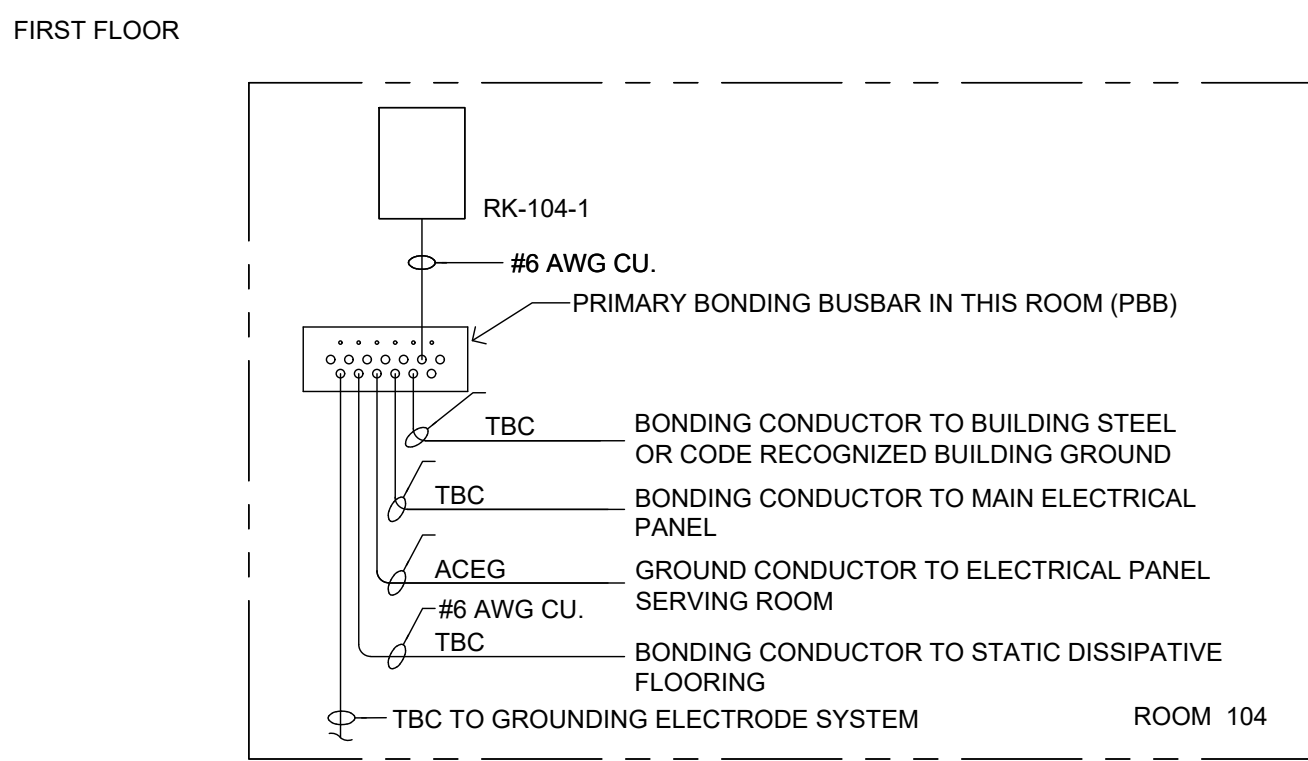
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APPROVED: Project Director  
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DOCUMENTS  
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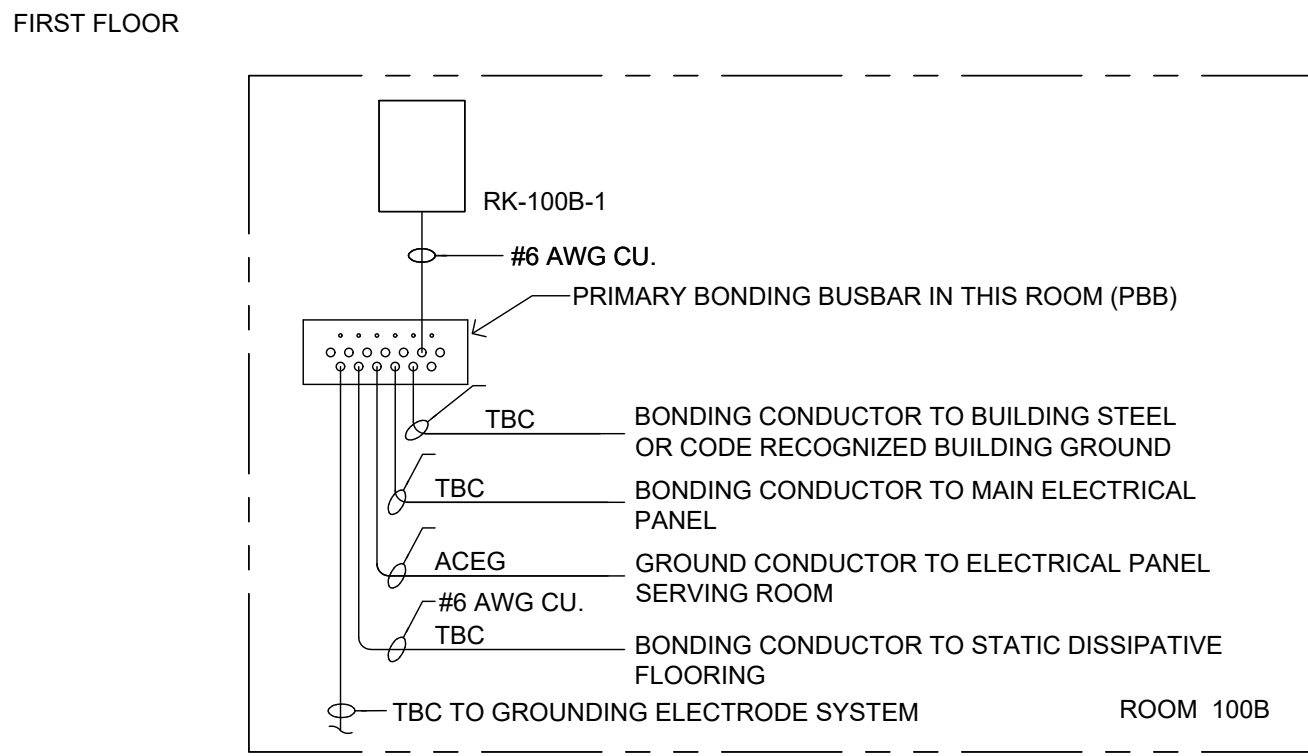
PROJECT TITLE  
EHRM INFRASTRUCTURE  
UPGRADES  
LOCATION  
FORT MEADE, SOUTH DAKOTA  
ISSUE DATE  
11/05/2024  
CHECKED BY  
DJC  
DRAWN BY  
RES

PROJECT NUMBER  
568-21-701  
BUILDING NUMBER  
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DRAWING NUMBER  
TJ-024

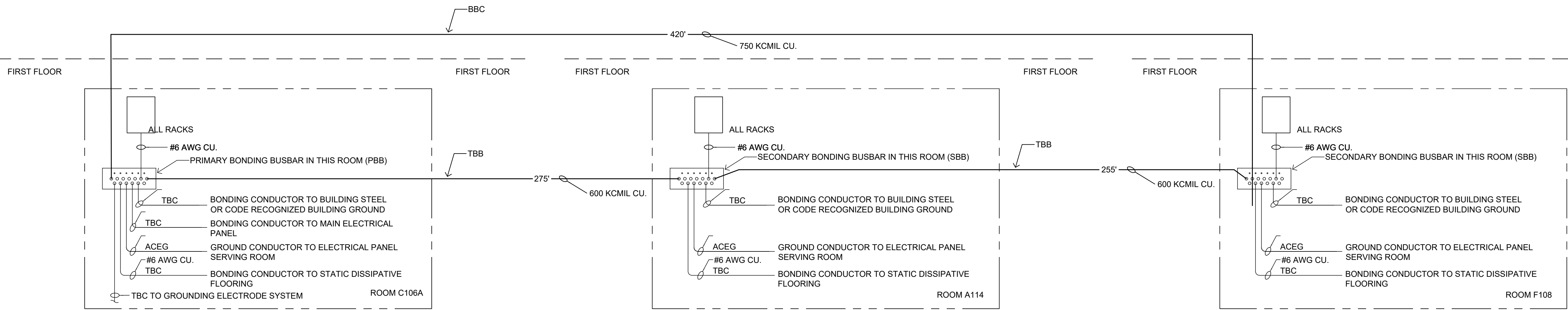
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2 TJ-025 BONDING DETAIL - BLDG T296 SCALE: NTS



2 TJ-025 BONDING DETAIL - BLDG T171 SCALE: NTS



1 TJ-025 BONDING DETAIL - BLDG 148 SCALE: NTS

Revisions:	Date:

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**GDM**

ARCHITECTS • ENGINEERS



**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**

VA

U.S. Department of Veterans Affairs

DRAWING TITLE

TELECOMM BONDING DETAILS

APPROVED: Project Director

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PHASE

100% CONSTRUCTION DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

11/05/2024

CHECKED BY

DVC

DRAWN BY

RES

PROJECT NUMBER

568-21-701

BUILDING NUMBER

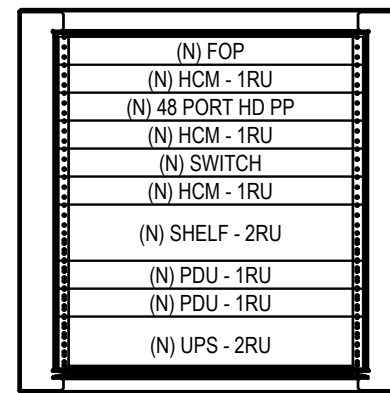
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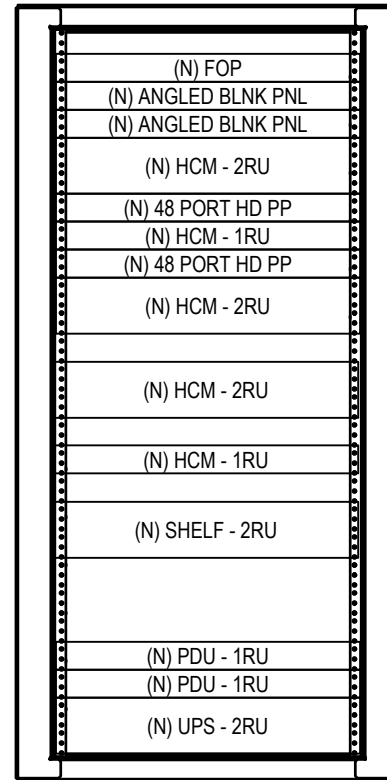
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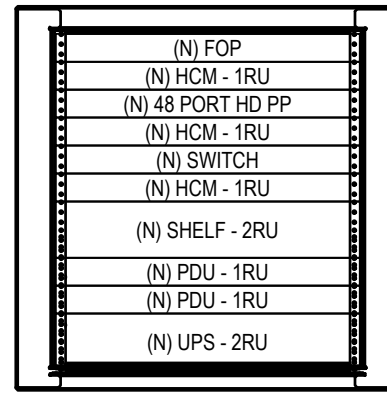
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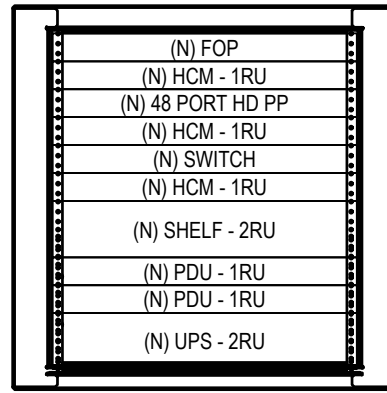
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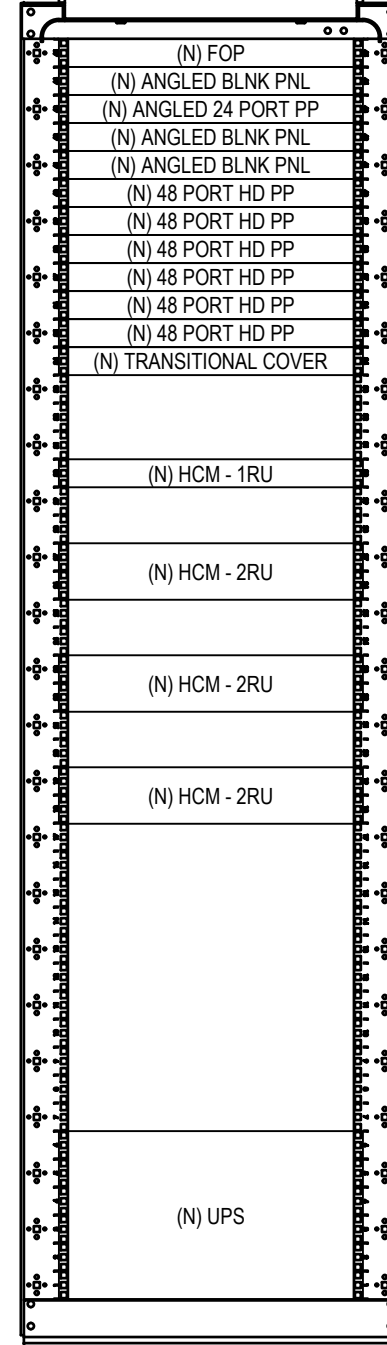
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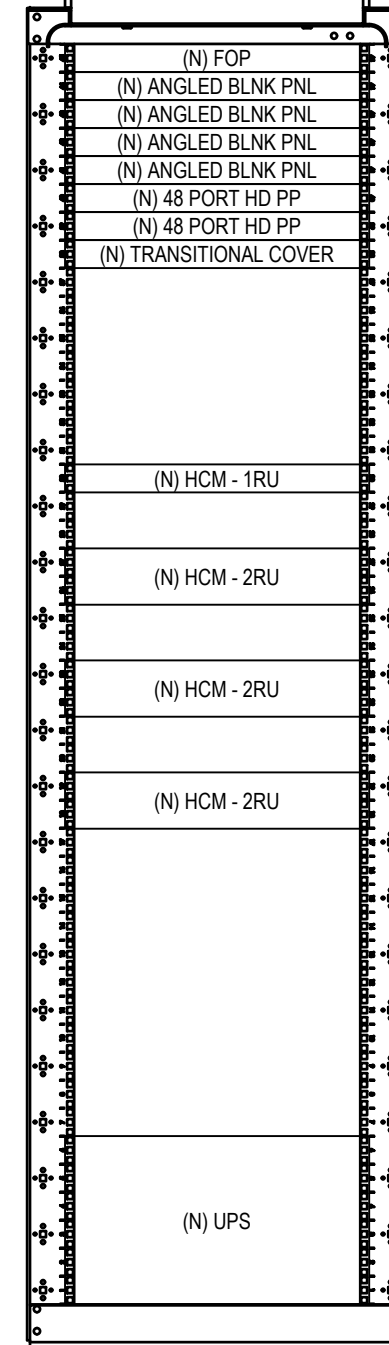
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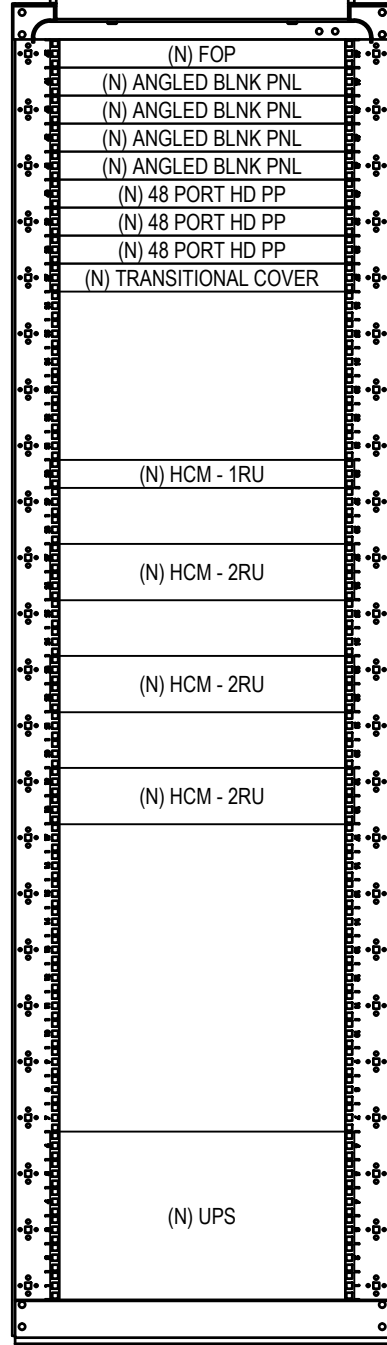
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(N) RK-B102D-1



(N) RK-202-1



## GENERAL NOTES

1. RACK ELEVATIONS MANY VARY SLIGHTLY FROM EXACT RU LOCATIONS.
2. PROVIDE BLANKING PANELS AS SHOWN IN NEW TR CHANNEL RACKS.
3. PROVIDE BLANKING PANELS FOR ALL NON-POPULATED RUs IN NEW TE CABINETS.
4. ALL EQUIPMENT AND CHANNEL RACKS MARKED (N) ARE NEW WORK TO BE PROVIDED BY CONTRACTOR.
5. NEW EQUIPMENT PART NUMBER SCHEDULES CAN BE FOUND ON TN SHEETS WITH ENLARGED TR DRAWINGS.
6. PROVIDE RBB FOR ALL NEW CHANNEL RACKS. TO BE MOUNTED ON REAR RAIL, RU 45. SEE 'TJ-021' FOR BONDING DETAILS.
7. PROVIDE RBB FOR ALL NEW TE CABINETS. TO BE MOUNTED ON REAR RAIL, TOP RU. SEE 'TJ-021' FOR BONDING DETAILS.
8. PDUs ARE TO BE MOUNTED ON REAR RAIL.

## PLAN NOTES

NOT USED

BLDG 40 FIRST FLOOR  
RM 100A TE ELEVATIONS1  
TJ-026

SCALE: NTS

BLDG 46 BASEMENT  
RM B105 TE ELEVATIONS2  
TJ-026

SCALE: NTS

BLDG 48 FIRST FLOOR  
RM 100 TE ELEVATIONS3  
TJ-026

SCALE: NTS

BLDG 50 FIRST FLOOR  
RM 201A TE ELEVATIONS4  
TJ-026

SCALE: NTS

BLDG 53 BASEMENT  
RM TC1B TR ELEVATIONS5  
TJ-026

SCALE: NTS

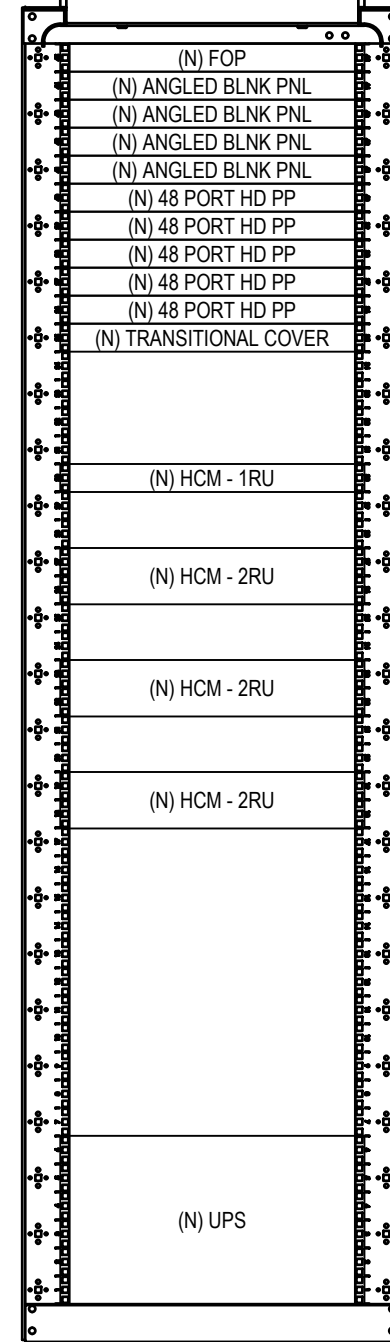
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RM B102D TR ELEVATIONS6  
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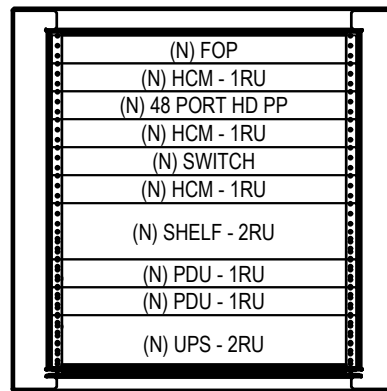
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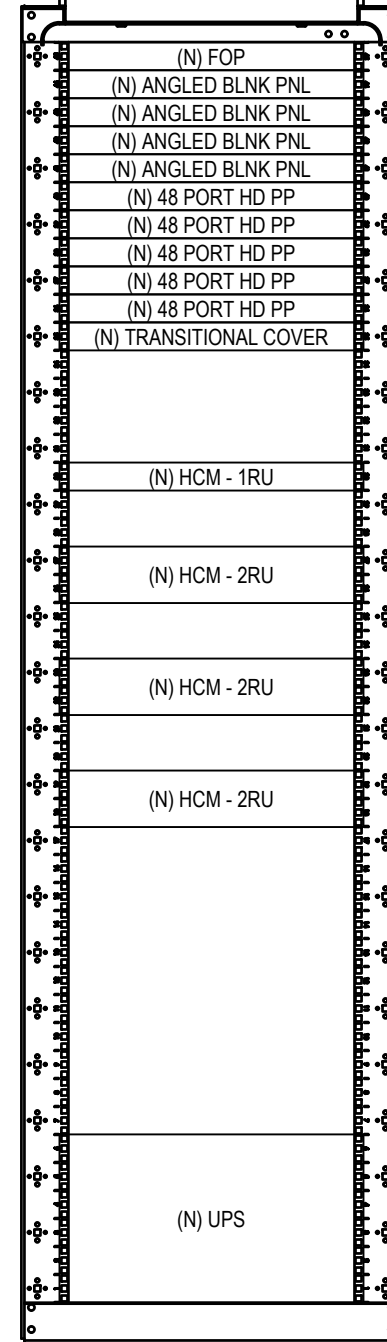
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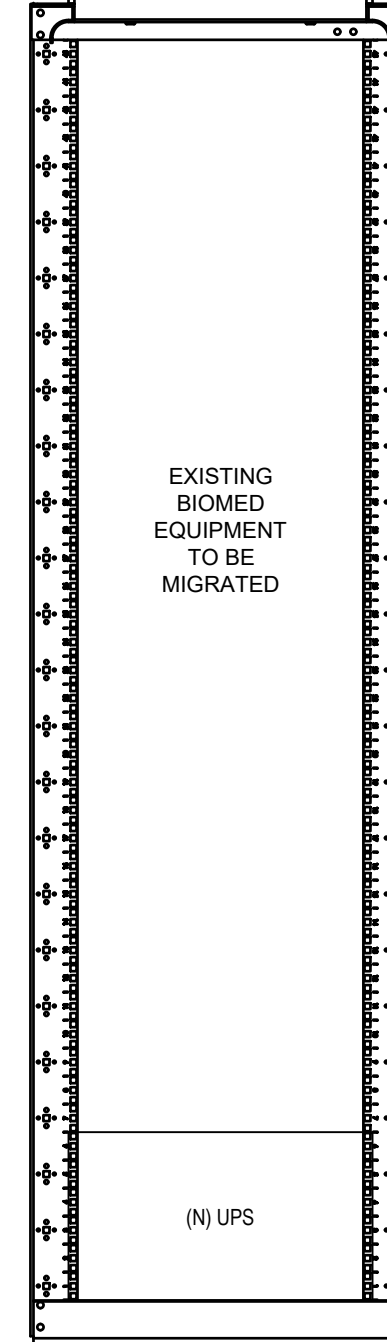
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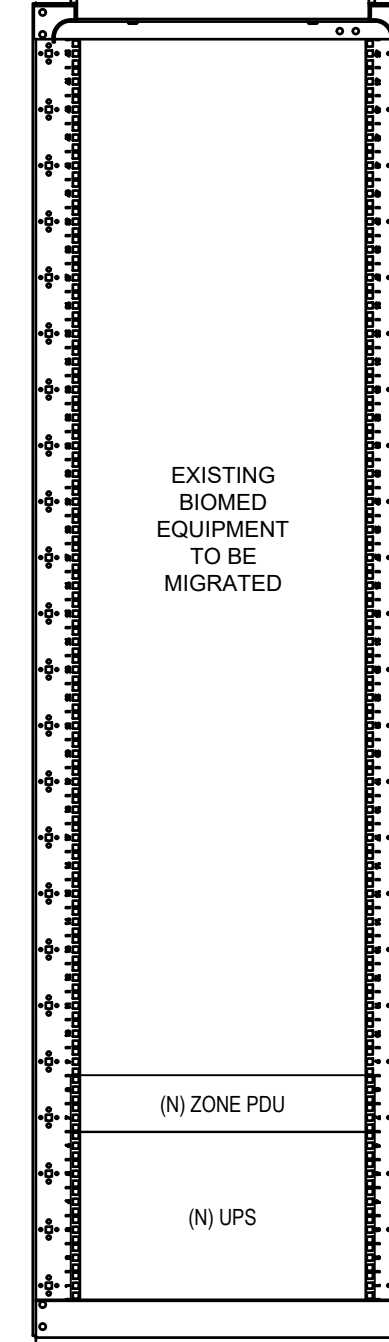
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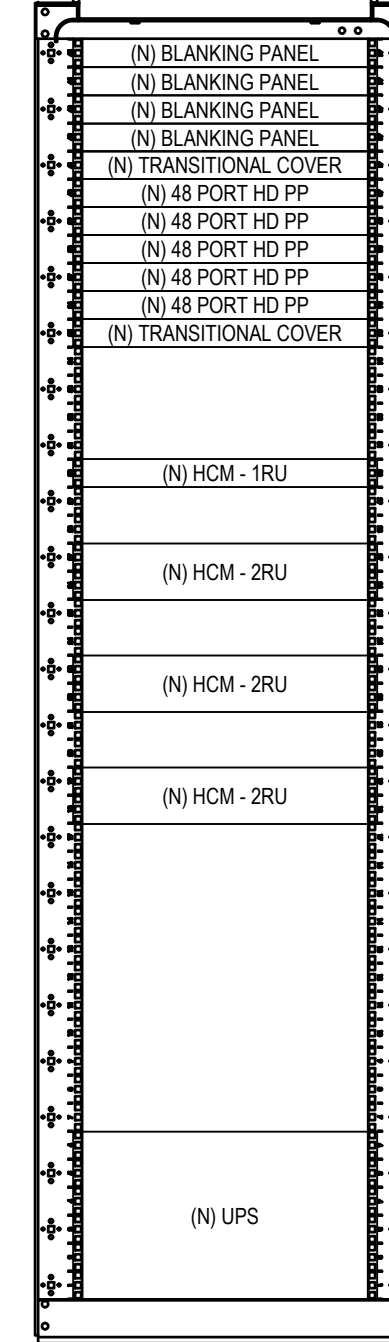
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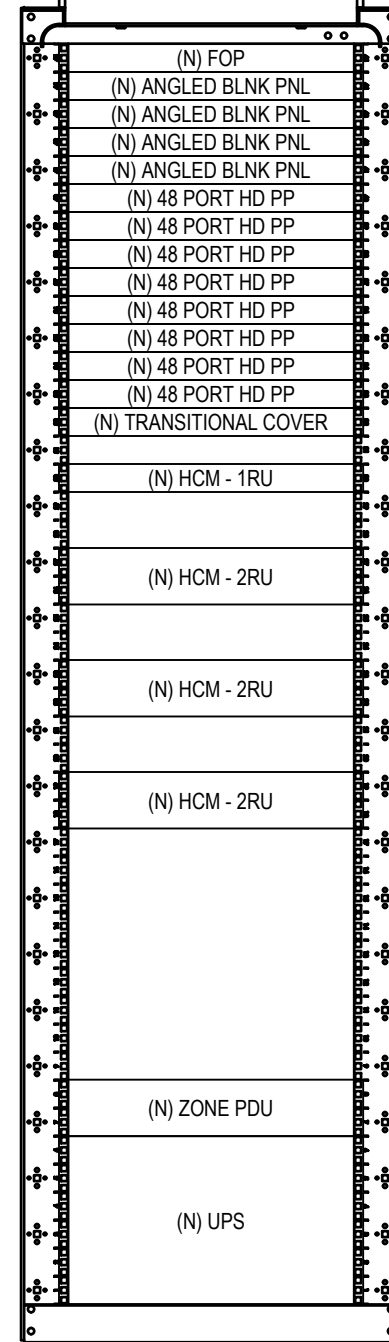
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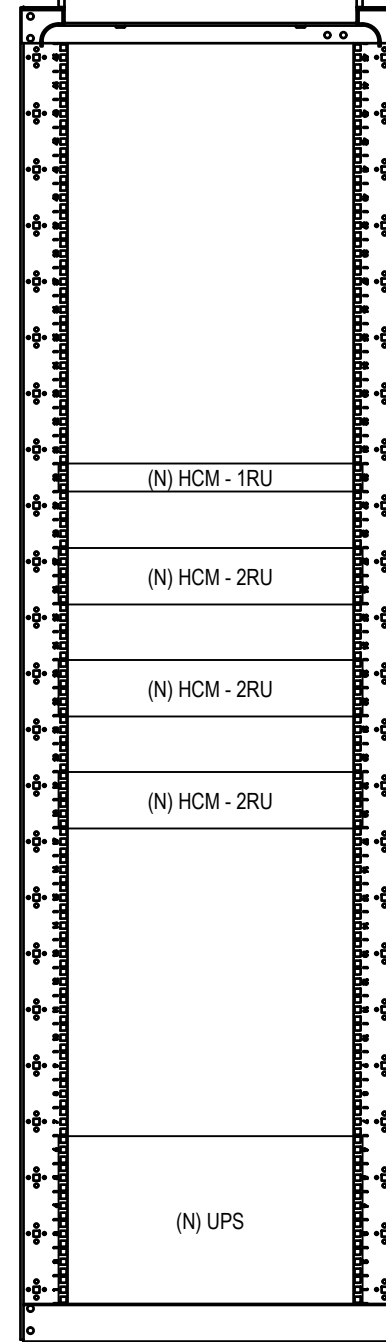
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(N) RK-169-1



(N) RK-169-2

BLDG 90 FIRST FLOOR  
RM 102A TR ELEVATIONS8  
TJ-026

SCALE: NTS

BLDG 110 FIRST FLOOR  
RM 102 TE ELEVATIONS9  
TJ-026

SCALE: NTS

BLDG 113 BASEMENT - NORTH  
RM B01 TR ELEVATIONS10  
TJ-026

SCALE: NTS

BLDG 113 FIRST FLOOR - NORTH  
RM TCS103 TR ELEVATIONS11  
TJ-026

SCALE: NTS

BLDG 113 FIRST FLOOR - EAST  
RM 169 TR ELEVATIONS12  
TJ-026

SCALE: NTS

Revisions:	Date:

## CONSULTANT

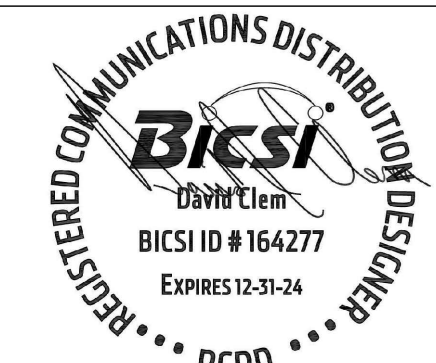
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## STAMP

OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT

## DRAWING TITLE

TELECOMM RACK ELEVATIONS

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

## PHASE

100% CONSTRUCTION  
DOCUMENTS

## FLS

FULLY SPRINKLERED

## PROJECT TITLE

EHRM INFRASTRUCTURE  
UPGRADES

## LOCATION

FORT MEADE, SOUTH DAKOTA

## ISSUE DATE

11/05/2024

## CHECKED BY

DJC

## DRAWN BY

RES

## PROJECT NUMBER

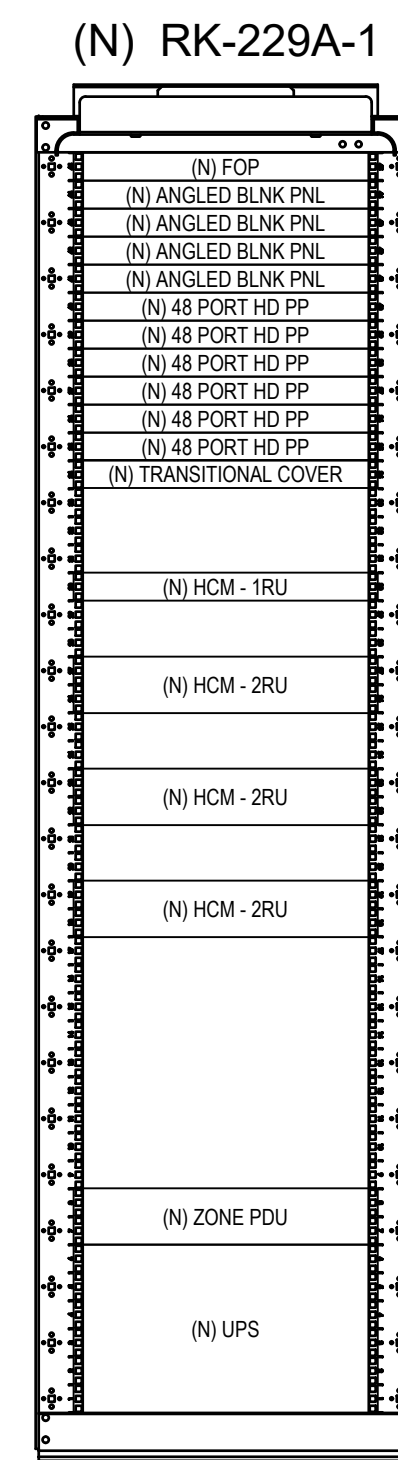
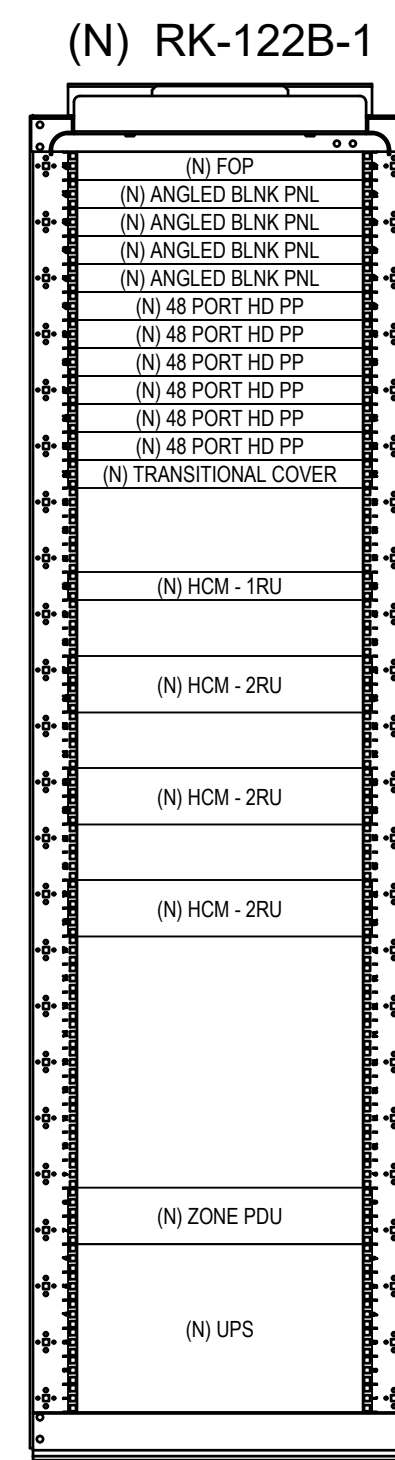
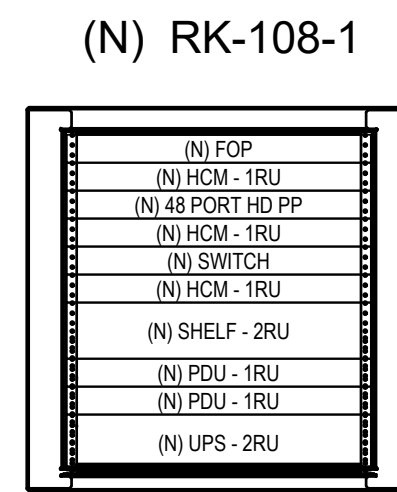
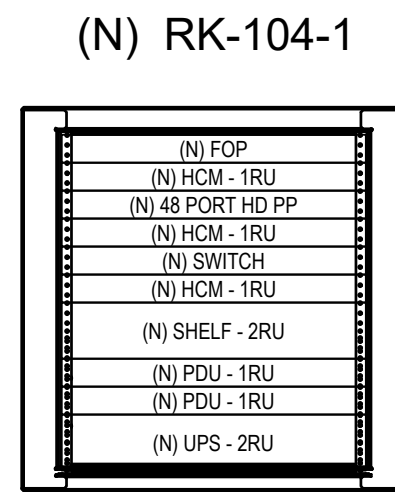
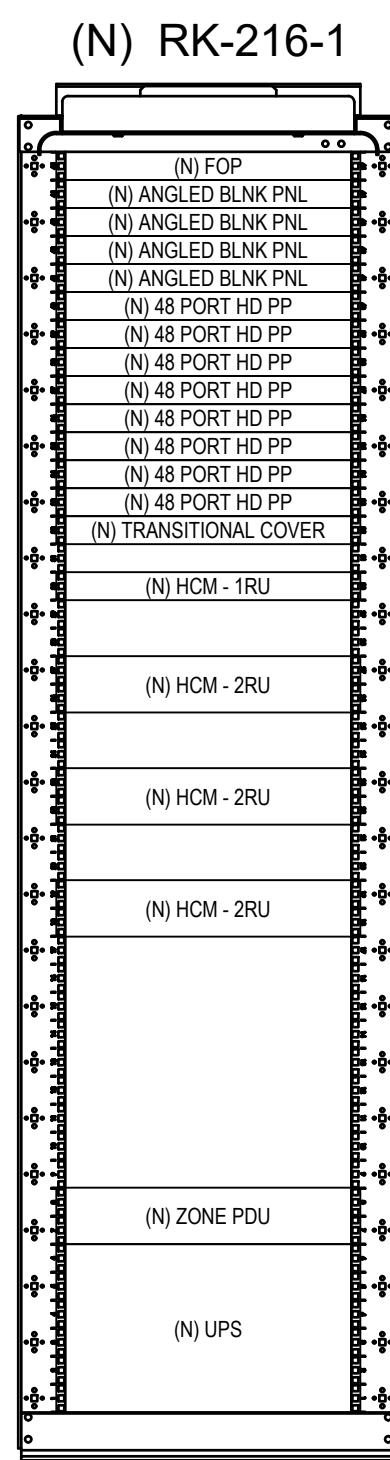
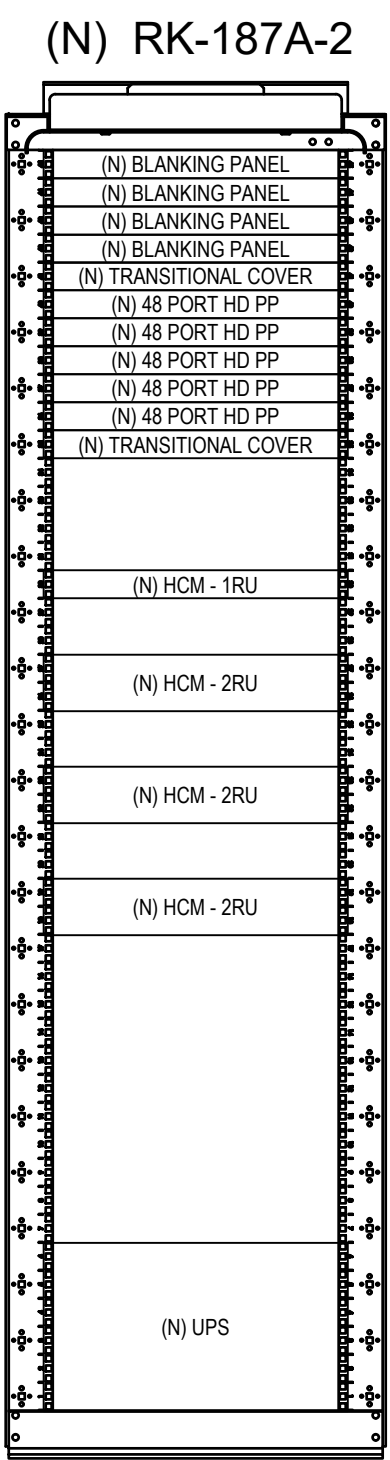
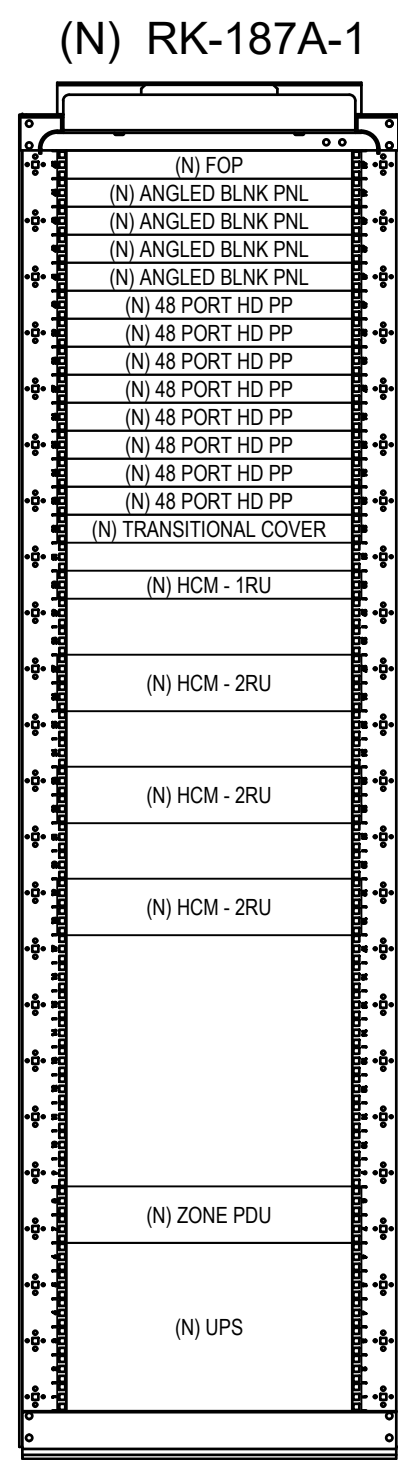
568-21-701

## BUILDING NUMBER

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## DRAWING NUMBER

TJ-026



BLDG 113 FIRST FLOOR - SOUTH  
RM 187A TR ELEVATIONS  
SCALE: NTS

BLDG 113 SECOND FLOOR - NORTH  
RM 216 TR ELEVATIONS  
SCALE: NTS

BLDG 137 FIRST FLOOR  
RM 104 TR ELEVATIONS  
SCALE: NTS

BLDG T144 FIRST FLOOR  
RM 108 TE ELEVATIONS  
SCALE: NTS

BLDG 145 FIRST FLOOR  
RM 122B TR ELEVATIONS  
SCALE: NTS

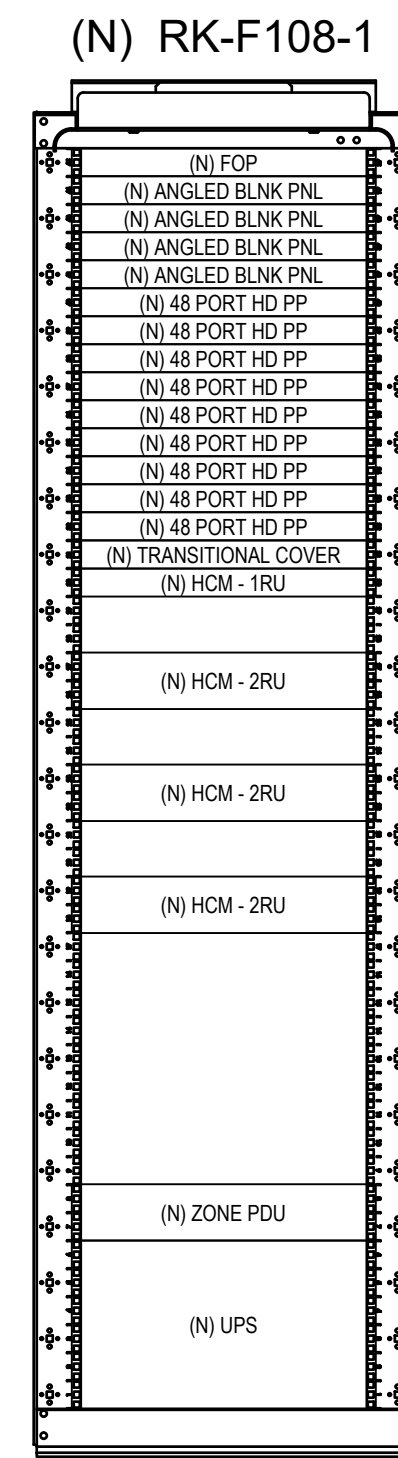
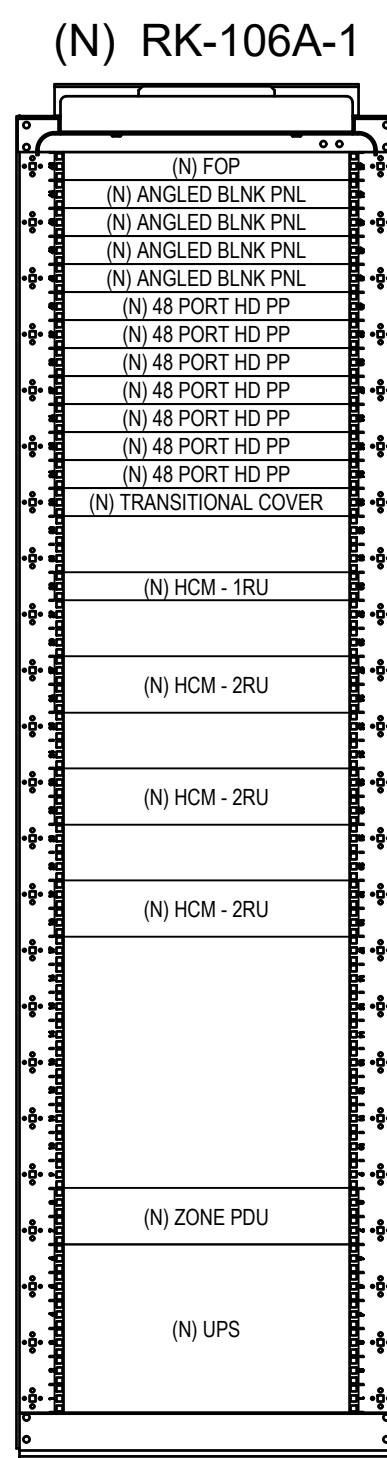
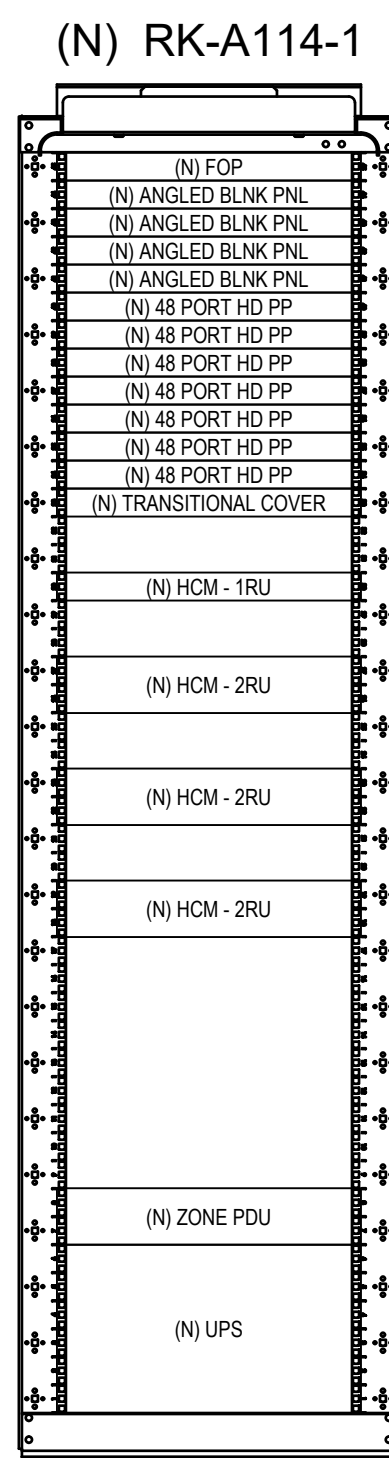
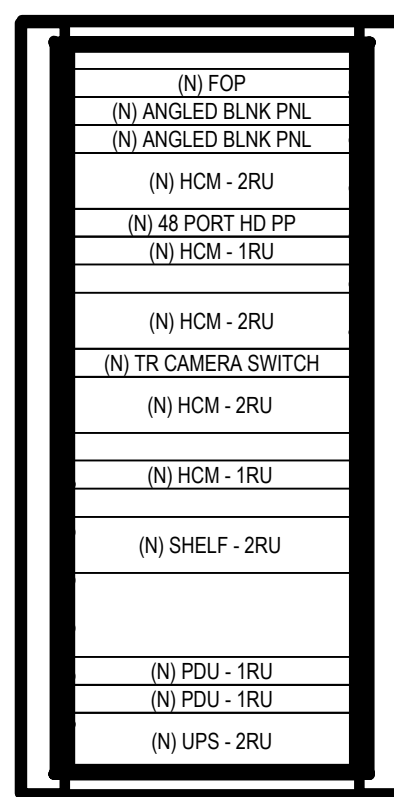
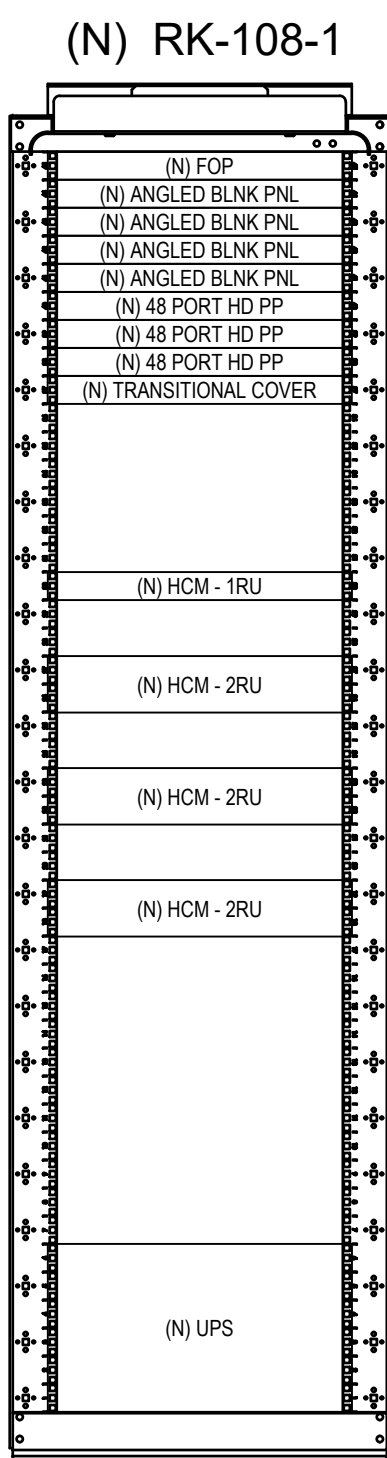
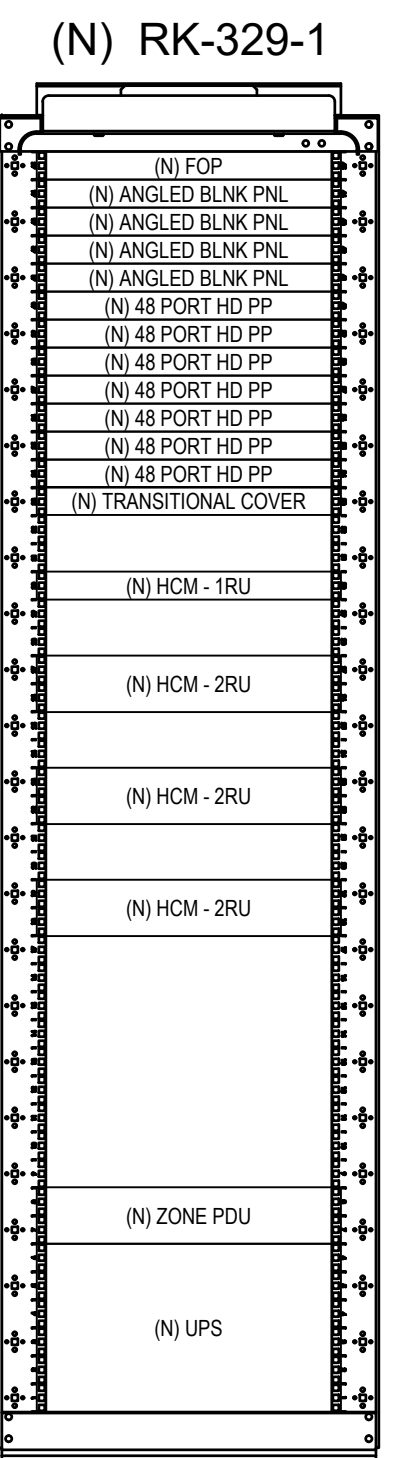
BLDG 145 SECOND FLOOR  
RM 229A TR ELEVATIONS  
SCALE: NTS

#### GENERAL NOTES

- RACK ELEVATIONS MANY VARY SLIGHTLY FROM EXACT RU LOCATIONS.
- PROVIDE BLANKING PANELS AS SHOWN IN NEW TR CHANNEL RACKS.
- PROVIDE BLANKING PANELS FOR ALL NON-POPULATED RUs IN NEW TE CABINETS.
- ALL EQUIPMENT AND CHANNEL RACKS MARKED (N) ARE NEW WORK TO BE PROVIDED BY CONTRACTOR.
- NEW EQUIPMENT PART NUMBER SCHEDULES CAN BE FOUND ON TN SHEETS WITH ENLARGED TR DRAWINGS.
- PROVIDE RBB FOR ALL NEW CHANNEL RACKS. TO BE MOUNTED ON REAR RAIL, RU 45. SEE TJ-021' FOR BONDING DETAILS.
- PROVIDE RBB FOR ALL NEW TE CABINETS. TO BE MOUNTED ON REAR RAIL, TOP RU. SEE TJ-021' FOR BONDING DETAILS.
- PDU's ARE TO BE MOUNTED ON REAR RAIL.

#### PLAN NOTES

NOT USED



BLDG 145 THIRD FLOOR  
RM 329 TR ELEVATIONS  
SCALE: NTS

BLDG 146 FIRST FLOOR  
RM 108 TR ELEVATIONS  
SCALE: NTS

BLDG 147  
RM A109 TE ELEVATIONS  
SCALE: NTS

BLDG 148 FIRST FLR AREA A  
RM A114 TR ELEVATIONS  
SCALE: NTS

BLDG 148 SECOND FLR AREA C  
RM 106A TR ELEVATIONS  
SCALE: NTS

BLDG 148 FIRST FLR AREA G  
RM F108 TR ELEVATIONS  
SCALE: NTS

Revisions:	Date:

<b>CONSULTANT</b>
LOW VOLTAGE
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4317 6TH AVE SE, SUITE 300
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<b>STAMP</b>
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
BICSI ID #1642277
EXPIRES 12-31-24
RCDD

<b>OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT</b>
<b>VA</b> U.S. Department of Veterans Affairs

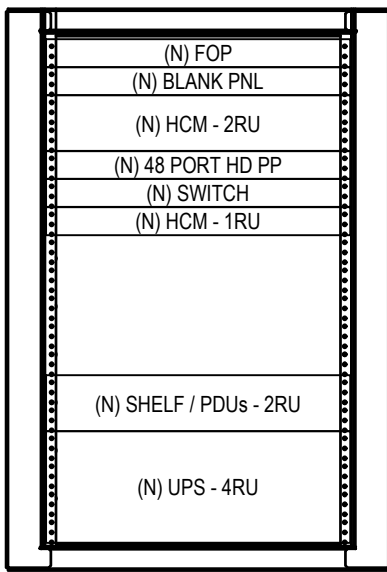
DRAWING TITLE
TELECOMM RACK ELEVATIONS
APPROVED: Project Director
FOR OFFICIAL USE ONLY (FOUO)

PHASE
100% CONSTRUCTION DOCUMENTS
FLS
FULLY SPRINKLERED

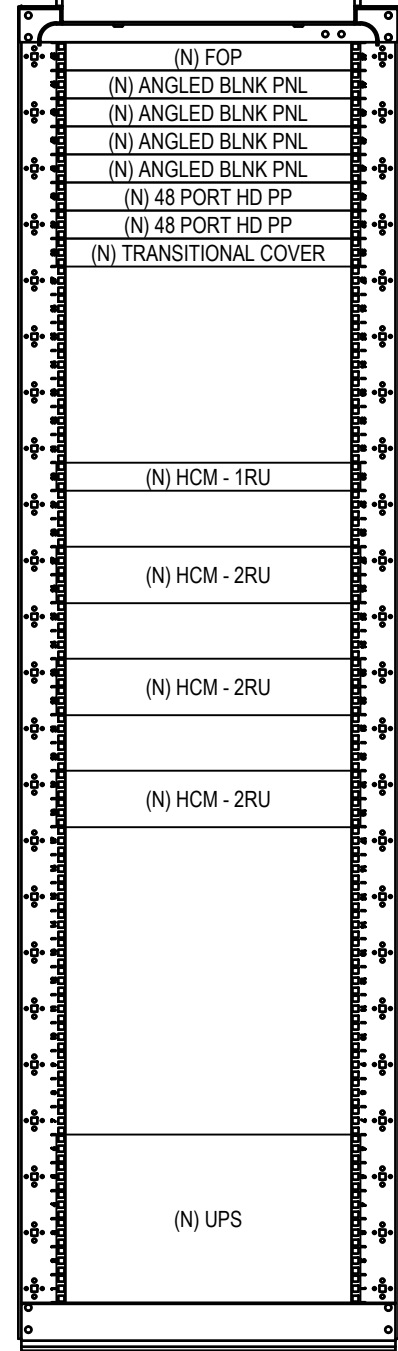
PROJECT TITLE
EHRM INFRASTRUCTURE UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
11/05/2024
CHECKED BY
DJC
DRAWN BY
RES

PROJECT NUMBER
568-21-701
BUILDING NUMBER
----
DRAWING NUMBER
<b>TJ-027</b>

(N) RK-100B-1



(N) RK-104-1



BLDG T171 FIRST FLOOR  
RM 100B TE ELEVATIONS  
SCALE: NTS

BLDG T296 FIRST FLOOR  
RM 104 TR ELEVATIONS  
SCALE: NTS

GENERAL NOTES

1. RACK ELEVATIONS MANY VARY SLIGHTLY FROM EXACT RU LOCATIONS.
2. PROVIDE BLANKING PANELS AS SHOWN IN NEW TR CHANNEL RACKS.
3. PROVIDE BLANKING PANELS FOR ALL NON-POPULATED RUs IN NEW TE CABINETS.
4. ALL EQUIPMENT AND CHANNEL RACKS MARKED (N) ARE NEW WORK TO BE PROVIDED BY CONTRACTOR.
5. NEW EQUIPMENT PART NUMBER SCHEDULES CAN BE FOUND ON TN SHEETS WITH ENLARGED TR DRAWINGS.
6. PROVIDE RBB FOR ALL NEW CHANNEL RACKS. TO BE MOUNTED ON REAR RAIL, RU 45. SEE 'TJ-021' FOR BONDING DETAILS.
7. PROVIDE RBB FOR ALL NEW TE CABINETS. TO BE MOUNTED ON REAR RAIL, TOP RU. SEE 'TJ-021' FOR BONDING DETAILS.
8. PDUs ARE TO BE MOUNTED ON REAR RAIL.

PLAN NOTES

NOT USED

Revisions:	Date:

CONSULTANT

LOW VOLTAGE  
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STAMP



OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT



U.S. Department  
of Veterans Affairs

DRAWING TITLE  
TELECOMM RACK ELEVATIONS

APPROVED: Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE  
100% CONSTRUCTION  
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE  
EHRM INFRASTRUCTURE  
UPGRADES

LOCATION  
FORT MEADE, SOUTH DAKOTA

ISSUE DATE  
11/05/2024

CHECKED BY  
DJC

DRAWN BY  
RES

PROJECT NUMBER  
568-21-701  
BUILDING NUMBER  
----

DRAWING NUMBER  
TJ-028



BLDG 40 - RM 100A - TE RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 10	1-2	100A	2	
PATCH PANEL 10	3-4	100C	2	
PATCH PANEL 10	5	100	1	
PATCH PANEL 10	6-7	100B	2	
PATCH PANEL 10	8-9	102	2	
PATCH PANEL 10	10-24	SPACE	1	
PATCH PANEL 10	25	100B	1	
PATCH PANEL 10	26	100	1	
PATCH PANEL 10	27	101	1	
PATCH PANEL 10	28	101	1	
PATCH PANEL 10	29	103	1	
PATCH PANEL 10	30	102A	1	
PATCH PANEL 10	31	100	1	
PATCH PANEL 10	32-48	SPACE		

BLDG 046 - RM B105 - TE RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 21	1-2	B101	2	
PATCH PANEL 21	3-6	100A	4	
PATCH PANEL 21	7-12	100B	6	
PATCH PANEL 21	13-14	100C	2	
PATCH PANEL 21	15-20	101A	6	
PATCH PANEL 21	21-24	101B	4	
PATCH PANEL 21	25-28	101C	4	
PATCH PANEL 19	29-32	101D	4	
PATCH PANEL 21	33-40	101	8	
PATCH PANEL 21	41-46	103	6	
PATCH PANEL 21	47-48	104	2	
PATCH PANEL 19	1-4	104	4	
PATCH PANEL 19	5-6	B105	2	
PATCH PANEL 19	7	ATTIC	1	
PATCH PANEL 19	8	ATTIC	1	
PATCH PANEL 19	9	ATTIC	1	
PATCH PANEL 19	10	ATTIC	1	
PATCH PANEL 19	11	ATTIC	1	
PATCH PANEL 19	12	B105	1	
PATCH PANEL 19	13	ATTIC	1	
PATCH PANEL 19	14	ATTIC	1	
PATCH PANEL 19	15	ATTIC	1	
PATCH PANEL 19	16	ATTIC	1	
PATCH PANEL 19	17	ATTIC	1	
PATCH PANEL 19	18-25	SPACE	1	
PATCH PANEL 19	26-27	B103	2	
PATCH PANEL 19	28-32	B101	5	
PATCH PANEL 19	33	100B	1	
PATCH PANEL 19	34	101	1	
PATCH PANEL 19	35	102	1	
PATCH PANEL 19	36-37	104	2	
PATCH PANEL 19	38-39	104A	2	
PATCH PANEL 19	40-48	SPACE		

BLDG 048 - RM 100 - TE RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 10	1-6	100	6	
PATCH PANEL 10	7	102E	1	
PATCH PANEL 10	8	B100	1	
PATCH PANEL 10	9-24	SPACE	1	
PATCH PANEL 10	25	101	1	
PATCH PANEL 10	26	100B	1	
PATCH PANEL 10	27	100	1	
PATCH PANEL 10	28-29	102	2	
PATCH PANEL 10	30	102D	1	
PATCH PANEL 10	31	102E	1	
PATCH PANEL 10	32-34	B100	3	
PATCH PANEL 10	35-48	SPACE		

BLDG 050 - RM 201A - TE RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 10	1-8	201	8	
PATCH PANEL 10	9-12	201B	4	
PATCH PANEL 10	13-14	101	2	
PATCH PANEL 10	15-16	B101	2	
PATCH PANEL 10	17-18	201A	2	
PATCH PANEL 10	19-24	SPACE	1	
PATCH PANEL 10	25-26	201	2	
PATCH PANEL 10	27	202	1	
PATCH PANEL 10	28	B101	1	
PATCH PANEL 10	29	B000	1	
PATCH PANEL 10	30-48	SPACE		

BLDG 110 - RM 102 - TE RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 10	1-2	102	2	
PATCH PANEL 10	25	102	1	
PATCH PANEL 10	26	104	1	
PATCH PANEL 10	27	105	1	
PATCH PANEL 10	28	7	1	
PATCH PANEL 10	29	7	1	
PATCH PANEL 10	30	107	1	
PATCH PANEL 10	31	107	1	
PATCH PANEL 10	32	107	1	
PATCH PANEL 10	33	107	1	
PATCH PANEL 10	34	7	1	

BLDG 137 - TE RM 104 - RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 10	1-2	104	2	
PATCH PANEL 10	3-4	104	2	
PATCH PANEL 10	5-6	102	2	
PATCH PANEL 10	7-8	100	2	
PATCH PANEL 10	9-24	SPACE		
PATCH PANEL 10	25	102	1	
PATCH PANEL 10	26	C100	1	
PATCH PANEL 10	27-48	SPACE		

BLDG 53 - RM TC1B - TR RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 40	1-2	TC1B	2	
PATCH PANEL 40	3-10	B100	8	
PATCH PANEL 40	11-12	B100A	2	
PATCH PANEL 40	13-15	B102	3	
PATCH PANEL 40	16-17	B103	2	
PATCH PANEL 40	18	CB100	1	
PATCH PANEL 40	19	B105	1	
PATCH PANEL 40	20-21	TCB1	2	
PATCH PANEL 40	22-25	104	4	
PATCH PANEL 40	26-29	105	4	
PATCH PANEL 40	30-31	106	2	
PATCH PANEL 40	32-33	110	2	
PATCH PANEL 40	34-48	111	15	

PATCH PANEL 39	1-4	112	4	
PATCH PANEL 39	5-10	109	6	
PATCH PANEL 39	11-12	113	2	
PATCH PANEL 39	13-17	114A	5	
PATCH PANEL 39	18-21	114B	4	
PATCH PANEL 39	22-27	114C	6	
PATCH PANEL 39	28-31	114D	4	
PATCH PANEL 39	32-33	114E	4	
PATCH PANEL 39	34-37	114F	4	
PATCH PANEL 39	40-43	114	4	
PATCH PANEL 39	44-47	115	4	
PATCH PANEL 39	48	SPACE		

PATCH PANEL 38	1-6	100	6	
PATCH PANEL 38	7-10	101	4	
PATCH PANEL 38	11-14	102	4	
PATCH PANEL 38	15-20	103	6	
PATCH PANEL 38	21-24	205	4	
PATCH PANEL 38	25-28	206	4	
PATCH PANEL 38	29-32	207	4	
PATCH PANEL 38	33-37	C203	5	
PATCH PANEL 38	38-43	212	6	
PATCH PANEL 38	44-45	B105	2	
PATCH PANEL 38	46-47	214	2	
PATCH PANEL 38	48	SPACE		

PATCH PANEL 37	1-2	215	2	
PATCH PANEL 37	3-6	216	6	
PATCH PANEL 37	9-14	217	6	
PATCH PANEL 37	15-16	211	2	
PATCH PANEL 37	17-20	208	4	
PATCH PANEL 37	21-26	200A	6	
PATCH PANEL 37	27-28	200B	2	
PATCH PANEL 37	29-30	200C	2	
PATCH PANEL 37	31-42	200	12	
PATCH PANEL 37	43-48	201	6	
PATCH PANEL 36	1-2	201	2	
PATCH PANEL 36	3-8	201A	6	
PATCH PANEL 36	9-16	202	8	
PATCH PANEL 36	17-20	203	4	
PATCH PANEL 36	21-22	114D	2	
PATCH PANEL 36	23-48	SPACE		

PATCH PANEL 35	1-48	SPACE		
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PATCH PANEL 34	1	CB100	1	
PATCH PANEL 34	2	B102	1	
PATCH PANEL 34	3	B103	1	
PATCH PANEL 34	4	B105	1	
PATCH PANEL 34	5	104	1	
PATCH PANEL 34	6	108	1	
PATCH PANEL 34	7	111	1	
PATCH PANEL 34	8	112	1	
PATCH PANEL 34	9	113A	1	
PATCH PANEL 34	10	115	1	
PATCH PANEL 34	11	100	1	
PATCH PANEL 34	12	103	1	
PATCH PANEL 34	13	C202	1	
PATCH PANEL 34	14	200A	1	
PATCH PANEL 34	15-16	200	2	
PATCH PANEL 34	17	C203	1	
PATCH PANEL 34	18	202	1	
PATCH PANEL 34	19	C201	1	
PATCH PANEL 34	20	304	1	
PATCH PANEL 34	21-48	SPACE		

BLDG 089 - RM 202 - TR RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 40	1-2	202	2	
PATCH PANEL 40	3-12	108	10	
PATCH PANEL 40	13-16	102	4	
PATCH PANEL 40	17-20	103	4	
PATCH PANEL 40	21-28	104	8	
PATCH PANEL 40	29-34	105	6	
PATCH PANEL 40	35-36	106	2	
PATCH PANEL 40	37-40	111B	4	
PATCH PANEL 40	41-48	111A	8	
PATCH PANEL 39	1-2	112A	2	
PATCH PANEL 39	3-6	113	4	
PATCH PANEL 39	7-18	112	12	
PATCH PANEL 39	19-22	107	4	
PATCH PANEL 39	23-26	108	4	
PATCH PANEL 39	27-28	100D	2	
PATCH PANEL 39	29-32	110	4	
PATCH PANEL 39	33-36	100A	4	
PATCH PANEL 39	37-48	SPACE		
PATCH PANEL 38	1-48	SPACE		

PATCH PANEL 37	1	102	1	
PATCH PANEL 37	2	104	1	
PATCH PANEL 37	3	106	1	
PATCH PANEL 37	4	111	1	
PATCH PANEL 37	5	111B	1	
PATCH PANEL 37	6	100D	1	
PATCH PANEL 37	7	108	1	
PATCH PANEL 37	8	100B	1	
PATCH PANEL 37	9	ATTIC	1	
PATCH PANEL 37	10-48	SPACE		

BLDG 088 - RM B102D - TR RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 40	1-2	B102D	2	
PATCH PANEL 40	3-4	B102B	2	
PATCH PANEL 40	5-6	B102A	2	
PATCH PANEL 40	7-10	B102C	4	
PATCH PANEL 40	11	B101	1	
PATCH PANEL 40	12-14	B101A	3	
PATCH PANEL 40	15-16	B101C	2	
PATCH PANEL 40	17-18	B102	2	
PATCH PANEL 40	19-20	101D	2	
PATCH PANEL 40	21-24	103	4	
PATCH PANEL 40	25-30	104	6	
PATCH PANEL 40	31-32	C100	2	
PATCH PANEL 40	33-36	101	4	
PATCH PANEL 40	37-48	SPACE		
PATCH PANEL 39	1-2	B102	2	
PATCH PANEL 39	3-4	B101	2	
PATCH PANEL 39	5	B101C	1	
PATCH PANEL 39	6	103	1	
PATCH PANEL 39	7	100	1	
PATCH PANEL 39	8	B101A	1	
PATCH PANEL 39	9	VESTIBULE	1	
PATCH PANEL 39	10	B102B	1	
PATCH PANEL 39	11-48	SPACE		

BLDG 145 RM 122B - TR RK 1			
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY
PATCH PANEL 40	1-4	103	4
PATCH PANEL 40	5-8	104	4
PATCH PANEL 40	9-10	105	2
PATCH PANEL 40	11-12	106	2
PATCH PANEL 40	13-14	107	2
PATCH PANEL 40	15-22	108	8
PATCH PANEL 40	23-24	109	2
PATCH PANEL 40	25-28	110	4
PATCH PANEL 40	29-34	111	6
PATCH PANEL 40	35-36	114	2
PATCH PANEL 40	37-38	115	2
PATCH PANEL 40	39-48	115A	10
PATCH PANEL 39	1-6	115B	6
PATCH PANEL 39	7-12	116	6
PATCH PANEL 39	13-16	117	4
PATCH PANEL 39	17-20	120A	4
PATCH PANEL 39	21-24	120	4
PATCH PANEL 39	25-28	112	2
PATCH PANEL 39	27-29	103	2
PATCH PANEL 39	29-34	104	6
PATCH PANEL 39	35-36	106	2
PATCH PANEL 39	37-47	134	11
PATCH PANEL 39	48	SPACE	
PATCH PANEL 38	1-16	136	16
PATCH PANEL 38	17-19	138	3
PATCH PANEL 38	20-25	139A	6
PATCH PANEL 38	26-27	140	2
PATCH PANEL 38	28-35	143	8
PATCH PANEL 38	36-37	122B	2
PATCH PANEL 38	38-39	122A	2
PATCH PANEL 38	40-41	123	2
PATCH PANEL 38	42-48	SPACE	
PATCH PANEL 37	1-48	137	48
PATCH PANEL 36	1-8	125	8
PATCH PANEL 36	9-16	127	8
PATCH PANEL 36	17-30	129	14
PATCH PANEL 36	31-32	130	2
PATCH PANEL 35	1	101	1
PATCH PANEL 35	2-3	108	2
PATCH PANEL 35	4	110	1
PATCH PANEL 35	5	111	1
PATCH PANEL 35	6-7	C101A	2
PATCH PANEL 35	8	ST1B	1
PATCH PANEL 35	9	114	1
PATCH PANEL 35	10	115A	1
PATCH PANEL 35	11	116	1
PATCH PANEL 35	12	C102	1
PATCH PANEL 35	13	100	1
PATCH PANEL 35	14	103	1
PATCH PANEL 35	15	106	1
PATCH PANEL 35	16	122	1
PATCH PANEL 35	17	125	1
PATCH PANEL 35	18	130	1
PATCH PANEL 35	19	ST1C	1
PATCH PANEL 35	20	134	1
PATCH PANEL 35	21	136	1
PATCH PANEL 35	22-23	137	2
PATCH PANEL 35	24	139A	1
PATCH PANEL 35	25	C101	1
PATCH PANEL 35	26	ST1A	1
PATCH PANEL 35	27-37	CAMERA	11
PATCH PANEL 35	38-48	SPACE	

BLDG 145- RM 229A - TR RK 1			
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY
PATCH PANEL 40	1-2	202	2
PATCH PANEL 40	3-6	203/204	4
PATCH PANEL 40	7-8	206	2
PATCH PANEL 40	9-12	206	4
PATCH PANEL 40	13-16	209	4
PATCH PANEL 40	17-20	214	4
PATCH PANEL 40	21-22	215	2
PATCH PANEL 40	23-24	216	2
PATCH PANEL 40	25-28	217A	4
PATCH PANEL 40	29-30	217B	2
PATCH PANEL 40	31-32	217C1	2
PATCH PANEL 40	33-36	215C2	4
PATCH PANEL 40	37-38	217C	2
PATCH PANEL 40	39-42	217D	4
PATCH PANEL 40	43-46	220	4
PATCH PANEL 40	47-48	221	2
PATCH PANEL 39	1-2	222	2
PATCH PANEL 39	3-4	223	2
PATCH PANEL 39	5-14	224	10
PATCH PANEL 39	15-22	226	8
PATCH PANEL 39	23-24	228B	2
PATCH PANEL 39	25-48	228A	24
PATCH PANEL 38	1-8	228E	8
PATCH PANEL 38	9-24	230	16
PATCH PANEL 38	25-26	232	2
PATCH PANEL 38	27-28	233	2
PATCH PANEL 38	29-30	234	2
PATCH PANEL 38	31-36	235	6
PATCH PANEL 38	37-40	236A	4
PATCH PANEL 38	41-44	236B	4
PATCH PANEL 38	45-48	239A	4
PATCH PANEL 37	1-4	239B	4
PATCH PANEL 37	5-8	239D	4
PATCH PANEL 37	9-10	240	2
PATCH PANEL 37	11-12	241	2
PATCH PANEL 37	13-14	242	2
PATCH PANEL 37	15-16	243	2
PATCH PANEL 37	17-20	244	4
PATCH PANEL 37	21-28	247	18
PATCH PANEL 37	29-30	247B	2
PATCH PANEL 37	31-42	247C	2
PATCH PANEL 37	43-48	SPACE	
PATCH PANEL 36	1-10	248	10
PATCH PANEL 36	11-12	250	2
PATCH PANEL 36	13-16	251	4
PATCH PANEL 36	17-18	252	2
PATCH PANEL 36	19-20	253	2
PATCH PANEL 36	21-22	254	2
PATCH PANEL 36	23-26	200	4
PATCH PANEL 36	27-48	SPACE	
PATCH PANEL 35	1	205	1
PATCH PANEL 35	2-3	209	2
PATCH PANEL 35	4	C200	1
PATCH PANEL 35	5	213	1
PATCH PANEL 35	6	217B	1
PATCH PANEL 35	7	215C2	1
PATCH PANEL 35	8	217D	1
PATCH PANEL 35	9	220	1
PATCH PANEL 35	10	223	1
PATCH PANEL 35	11	224	1
PATCH PANEL 35	12-13	228A	2
PATCH PANEL 35	14	228D	1
PATCH PANEL 35	15	C200	1
PATCH PANEL 35	16	228E	1
PATCH PANEL 35	17	233	1
PATCH PANEL 35	18	235	1
PATCH PANEL 35	19	236B	1
PATCH PANEL 35	20	239B	1
PATCH PANEL 35	21	243	1
PATCH PANEL 35	22	247	1
PATCH PANEL 35	23	247C	1
PATCH PANEL 35	24	248	1
PATCH PANEL 35	25	251	1
PATCH PANEL 35	26-29	CAMERA	4
PATCH PANEL 35	30-48	SPACE	

BLDG 145 RM 329 - TR RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 40	1-2	302	2	
PATCH PANEL 40	3-6	303/304	4	
PATCH PANEL 40	7-12	303/305	6	
PATCH PANEL 40	13-20	308	8	
PATCH PANEL 40	21-24	3108	4	
PATCH PANEL 40	25-28	307	4	
PATCH PANEL 40	29-32	309A	4	
PATCH PANEL 40	33-36	309B	4	
PATCH PANEL 40	37-40	309C	4	
PATCH PANEL 40	41-46	309D	6	
PATCH PANEL 40	47-48	SPACE		
PATCH PANEL 39	1-4	310A	4	
PATCH PANEL 39	5-10	3138	6	
PATCH PANEL 39	11-20	313F	10	
PATCH PANEL 39	21-30	313G	10	
PATCH PANEL 39	31-34	314	4	
PATCH PANEL 39	35-36	C313	1	
PATCH PANEL 39	37-38	315	2	
PATCH PANEL 39	39-40	316	2	
PATCH PANEL 39	41-44	317	4	
PATCH PANEL 39	45-46	318	2	
PATCH PANEL 39	47-48	SPACE		
PATCH PANEL 38	1-4	319	4	
PATCH PANEL 38	5-8	320	4	
PATCH PANEL 38	9-12	322	4	
PATCH PANEL 38	13-18	323	6	
PATCH PANEL 38	19-22	324	4	
PATCH PANEL 38	23-26	325	4	
PATCH PANEL 38	27-32	326	8	
PATCH PANEL 38	33-34	327	8	
PATCH PANEL 38	35-44	327A	2	
PATCH PANEL 38	45-48	SPACE		
PATCH PANEL 37	1-6	327A1	6	
PATCH PANEL 37	7-10	327A2	4	
PATCH PANEL 37	11-14	327A3	4	
PATCH PANEL 37	15-16	329	2	
PATCH PANEL 37	17-20	330	4	
PATCH PANEL 37	21-30	331	10	
PATCH PANEL 37	31-40	332	10	
PATCH PANEL 37	41-42	334	2	
PATCH PANEL 37	43-44	335	2	
PATCH PANEL 37	45-46	336	2	
PATCH PANEL 37	47-48	SPACE		
PATCH PANEL 36	1-8	337	8	
PATCH PANEL 36	9-16	338	8	
PATCH PANEL 36	17-20	341A	4	
PATCH PANEL 36	21-26	341B	8	
PATCH PANEL 36	27-34	341C	8	
PATCH PANEL 36	35-42	341D	8	
PATCH PANEL 36	43-44	342	2	
PATCH PANEL 36	45-46	343	2	
PATCH PANEL 36	47-48	344	2	
PATCH PANEL 35	1-4	345	4	
PATCH PANEL 35	5-6	346	2	
PATCH PANEL 35	7-8	349	2	
PATCH PANEL 35	9-10	353	2	
PATCH PANEL 35	11-12	354	2	
PATCH PANEL 35	13-16	355	4	
PATCH PANEL 35	17-18	350	2	
PATCH PANEL 35	19-48	SPACE		
PATCH PANEL 34	1	303/304	1	
PATCH PANEL 34	2	309A	1	
PATCH PANEL 34	3	309D	1	
PATCH PANEL 34	4	310A	1	
PATCH PANEL 34	5	313G	1	
PATCH PANEL 34	6	314	1	
PATCH PANEL 34	7	315	1	
PATCH PANEL 34	8	317	1	
PATCH PANEL 34	9	ST381	1	
PATCH PANEL 34	10	318	1	
PATCH PANEL 34	11	320	1	
PATCH PANEL 34	12	327	1	
PATCH PANEL 34	13	327A1	1	
PATCH PANEL 34	14	327A3	1	
PATCH PANEL 34	15	328	1	
PATCH PANEL 34	16	330	1	
PATCH PANEL 34	17	332	1	
PATCH PANEL 34	18	334	1	
PATCH PANEL 34	19	336	1	
PATCH PANEL 34	20	338	1	
PATCH PANEL 34	21	ST3C	1	
PATCH PANEL 34	22	341A	1	
PATCH PANEL 34	23	341B	1	
PATCH PANEL 34	24	341C	1	
PATCH PANEL 34	25	343	1	
PATCH PANEL 34	26	345	1	
PATCH PANEL 34	27	349	1	
PATCH PANEL 34	28-29	350	2	
PATCH PANEL 34	30	353	1	
PATCH PANEL 34	31	354	1	
PATCH PANEL 34	32	355	1	
PATCH PANEL 34	33	ST3A	1	
PATCH PANEL 34	34-35	CAMERA	2	
PATCH PANEL 34	36-48	SPACE		

BLDG 148- RM A114 - TR RK 1				5
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 40	1-6	A120	6	
PATCH PANEL 40	7-8	A121	2	
PATCH PANEL 40	9-12	A122	4	
PATCH PANEL 40	13-14	A122B	2	
PATCH PANEL 40	15-16	A122A	2	
PATCH PANEL 40	17-18	A122C	2	
PATCH PANEL 40	19-20	A123	2	
PATCH PANEL 40	21-22	A124	2	
PATCH PANEL 40	23-24	A130	2	
PATCH PANEL 40	25-26	A125	2	
PATCH PANEL 40	27-28	A129	2	
PATCH PANEL 40	29-30	A126	2	
PATCH PANEL 40	31-32	A127	2	
PATCH PANEL 40	33-40	A128	8	
PATCH PANEL 40	41-42	A100	2	
PATCH PANEL 40	43-46	A102A	4	
PATCH PANEL 40	47-48	A102B	2	
PATCH PANEL 39	1-4	A103C	4	
PATCH PANEL 39	5-6	A103B	2	
PATCH PANEL 39	7-12	A102	6	
PATCH PANEL 39	13-20	A103	8	
PATCH PANEL 39	21-24	A103A	4	
PATCH PANEL 39	25-26	A101	2	
PATCH PANEL 39	27-30	A1011	4	
PATCH PANEL 39	31-36	A106C	6	
PATCH PANEL 39	37-42	A106D	6	
PATCH PANEL 39	43-46	A106E	4	
PATCH PANEL 39	47-48	A106E.1	2	
PATCH PANEL 38	1-6	A109F	6	
PATCH PANEL 38	7-8	A109G	2	
PATCH PANEL 38	9-16	A111D	8	
PATCH PANEL 38	17-26	A111B	10	
PATCH PANEL 38	27-40	A112	14	
PATCH PANEL 38	41-46	A113	6	
PATCH PANEL 38	47-48	SPACE		
PATCH PANEL 37	1-16	A109	16	
PATCH PANEL 37	17-18	A108	2	
PATCH PANEL 37	19-22	A108A	4	
PATCH PANEL 37	23-24	A108B	2	
PATCH PANEL 37	25-28	A108C	4	
PATCH PANEL 37	29-32	A108D	4	
PATCH PANEL 37	33-44	A105	12	
PATCH PANEL 37	45-48	SPACE		
PATCH PANEL 36	1-10	A108E	10	
PATCH PANEL 36	11-12	A114A	2	
PATCH PANEL 36	13-18	A114D	6	
PATCH PANEL 36	19-22	A118C	4	
PATCH PANEL 36	23-30	A118F	8	
PATCH PANEL 36	31-32	A118G	2	
PATCH PANEL 36	33-34	A118	2	
PATCH PANEL 36	35-38	A118C	4	
PATCH PANEL 36	39-32	A118B	4	
PATCH PANEL 36	43-46	A118A	4	
PATCH PANEL 36	47-48	A118	2	
PATCH PANEL 35	1-6	A118H	6	
PATCH PANEL 35	7-10	A117	4	
PATCH PANEL 35	11-12	A119	2	
PATCH PANEL 35	13-14	A118A	2	
PATCH PANEL 35	15-18	A119.2	2	
PATCH PANEL 35	19-20	A119.1	4	
PATCH PANEL 35	21-48	SPACE		
PATCH PANEL 34	1	F100	1	
PATCH PANEL 34	2-4	AC100	3	
PATCH PANEL 34	5	A127	1	
PATCH PANEL 34	6	A103C	1	
PATCH PANEL 34	7	A103	1	
PATCH PANEL 34	8	AM101A	1	
PATCH PANEL 34	9	A1014	1	
PATCH PANEL 34	10	A106C	1	
PATCH PANEL 34	11	A106G	1	
PATCH PANEL 34	12	A111	1	
PATCH PANEL 34	13	A112	1	
PATCH PANEL 34	14	A113A	1	
PATCH PANEL 34	15	A113	1	
PATCH PANEL 34	16	AC101	1	
PATCH PANEL 34	17	AC102A	1	
PATCH PANEL 34	18	A116F	1	
PATCH PANEL 34	19	A119A	1	
PATCH PANEL 34	20-32	CAMERA	13	
PATCH PANEL 34	33-48	SPACE		

BLDG 148- RM C106A - TR RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 40	1-6	C100	6	
PATCH PANEL 40	7-10	B101	4	
PATCH PANEL 40	11-14	B100	4	
PATCH PANEL 40	15-20	B103	6	
PATCH PANEL 40	21-24	B102	4	
PATCH PANEL 40	25-28	B105	4	
PATCH PANEL 40	29-32	B104	4	
PATCH PANEL 40	33-36	B106	4	
PATCH PANEL 40	37-40	B107	4	
PATCH PANEL 40	41-44	B108	4	
PATCH PANEL 40	45-48	B109	4	
PATCH PANEL 39	1-4	B113	4	
PATCH PANEL 39	5-8	B114	2	
PATCH PANEL 39	7-10	B115	4	
PATCH PANEL 39	11-12	B116	2	
PATCH PANEL 39	13-16	B116.1	4	
PATCH PANEL 39	17-22	B117	6	
PATCH PANEL 39	23-26	B118	4	
PATCH PANEL 39	27-30	B119	4	
PATCH PANEL 39	31-34	B120	4	
PATCH PANEL 39	35-38	B122	4	
PATCH PANEL 39	39-42	B122.1	4	
PATCH PANEL 39	43-46	B123	4	
PATCH PANEL 39	47-48	SPACE		
PATCH PANEL 38	1-4	B124	4	
PATCH PANEL 38	5-8	B125	4	
PATCH PANEL 38	9-14	B126	6	
PATCH PANEL 38	15-18	B127	4	
PATCH PANEL 38	19-22	B128	4	
PATCH PANEL 38	23-26	B128.1	4	
PATCH PANEL 38	27-30	B129	4	
PATCH PANEL 38	31-34	B130	4	
PATCH PANEL 38	35-38	B131	2	
PATCH PANEL 38	37-40	B132	4	
PATCH PANEL 38	41-44	B133	4	
PATCH PANEL 38	45-48	B133.1	4	
PATCH PANEL 37	1-4	B134	4	
PATCH PANEL 37	5-8	B135	4	
PATCH PANEL 37	9-12	B135.1	4	
PATCH PANEL 37	13-14	B136	2	
PATCH PANEL 37	15-18	B137	4	
PATCH PANEL 37	19-22	B141	4	
PATCH PANEL 37	23-26	B143	4	
PATCH PANEL 37	27-30	B144	4	
PATCH PANEL 37	31-34	B145	4	
PATCH PANEL 37	35-38	B146	4	
PATCH PANEL 37	39-42	B147	2	
PATCH PANEL 37	41-42	C102	2	
PATCH PANEL 37	43-48	SPACE		
PATCH PANEL 36	1-8	C102A	8	
PATCH PANEL 36	9-10	CC104	2	
PATCH PANEL 36	11-12	C106A	2	
PATCH PANEL 36	13-16	C108	14	
PATCH PANEL 36	21-28	C106B	2	
PATCH PANEL 36	29-38	C107	10	
PATCH PANEL 36	39-42	C108	4	
PATCH PANEL 36	43-46	C108A	4	
PATCH PANEL 36	47-48	D147	2	
PATCH PANEL 35	1-2	D145	2	
PATCH PANEL 35	3-4	D144	2	
PATCH PANEL 35	5-6	D143	2	
PATCH PANEL 35	7-8	D142	2	
PATCH PANEL 35	9-10	D141	2	
PATCH PANEL 35	11-12	D139	2	
PATCH PANEL 35	13-18	D133	6	
PATCH PANEL 35	19-20	D135	2	
PATCH PANEL 35	21-22	D136	2	
PATCH PANEL 35	23-48	SPACE		
PATCH PANEL 34	1-2	C100	2	
PATCH PANEL 34	3	B101	1	
PATCH PANEL 34	4	B109	1	
PATCH PANEL 34	5	B116	1	
PATCH PANEL 34	6	B119	1	
PATCH PANEL 34	7	B122	1	
PATCH PANEL 34	8	BC101	1	
PATCH PANEL 34	9	B125	1	
PATCH PANEL 34	10	B132	1	
PATCH PANEL 34	11	B133	1	
PATCH PANEL 34	12	B135	1	
PATCH PANEL 34	13	BC102	1	
PATCH PANEL 34	14	B147	1	
PATCH PANEL 34	15	C102	1	
PATCH PANEL 34	16	C102A	1	
PATCH PANEL 34	17	CC101	1	
PATCH PANEL 34	18	C106	1	
PATCH PANEL 34	19	C108A	1	
PATCH PANEL 34	20	D147	1	
PATCH PANEL 34	21	D141	1	
PATCH PANEL 34	22-36	CAMERA	15	
PATCH PANEL 34	37-48	SPACE		

BLDG 145- RM F108 - TR RK 1			
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY
PATCH PANEL 40	1-2	FM101	2
PATCH PANEL 40	3-4	F109	2
PATCH PANEL 40	5-6	F110	2
PATCH PANEL 40	7-8	G100	2
PATCH PANEL 40	8-14	G101	6
PATCH PANEL 40	15-16	G102	2
PATCH PANEL 40	17-22	G103	6
PATCH PANEL 40	23-24	G108	2
PATCH PANEL 40	25-28	G109	4
PATCH PANEL 40	29-32	G110	4
PATCH PANEL 40	33-36	G111	4
PATCH PANEL 40	37-42	G112	6
PATCH PANEL 40	43-46	G113	4
PATCH PANEL 40	47-48	SPACE	
PATCH PANEL 39	1-4	G114	4
PATCH PANEL 39	5-8	G116	4
PATCH PANEL 39	9-12	G117	4
PATCH PANEL 39	13-16	G118	4
PATCH PANEL 39	17-20	G119	4
PATCH PANEL 39	21-24	G120	4
PATCH PANEL 39	25-28	G121	4
PATCH PANEL 39	29-30	GC101	2
PATCH PANEL 39	31-32	G122	2
PATCH PANEL 39	33-34	G123	2
PATCH PANEL 39	35-48	G106	14
PATCH PANEL 38	1-4	G124	4
PATCH PANEL 38	5-8	G125	4
PATCH PANEL 38	9-12	G126	4
PATCH PANEL 38	13-16	G127	4
PATCH PANEL 38	17-20	G129	4
PATCH PANEL 38	21-24	G130	4
PATCH PANEL 38	25-28	G131	4
PATCH PANEL 38	29-32	G132	4
PATCH PANEL 38	33-34	G133	2
PATCH PANEL 38	35-36	GC103	2
PATCH PANEL 38	37-40	G135	4
PATCH PANEL 38	41-44	G136	4
PATCH PANEL 38	45-48	G137	4
PATCH PANEL 37	1-4	G138	4
PATCH PANEL 37	5-8	G140	4
PATCH PANEL 37	9-12	G141	4
PATCH PANEL 37	13-16	G142	4
PATCH PANEL 37	17-20	G143	4
PATCH PANEL 37	21-22	G144	2
PATCH PANEL 37	23-28	G145	6
PATCH PANEL 37	31-32	G146	2
PATCH PANEL 37	33-34	F111	2
PATCH PANEL 37	35-36	F112	2
PATCH PANEL 37	37-38	F100	2
PATCH PANEL 37	39-40	F104	2
PATCH PANEL 37	41-42	E100	2
PATCH PANEL 37	43-44	E101	2
PATCH PANEL 37	45-46	E103	2
PATCH PANEL 37	47-48	E104	2
PATCH PANEL 36	1-2	E105	2
PATCH PANEL 36	3-6	E107	4
PATCH PANEL 36	7-22	E109	16
PATCH PANEL 36	23-26	F110	4
PATCH PANEL 36	27-30	E111	4
PATCH PANEL 36	31-34	E112	4
PATCH PANEL 36	35-38	E113	4
PATCH PANEL 36	39-42	E114	4
PATCH PANEL 36	43-46	E115	4
PATCH PANEL 36	47-48	SPACE	
PATCH PANEL 35	1-4	E117	4
PATCH PANEL 35	5-8	E118	4
PATCH PANEL 35	9-12	E119	4
PATCH PANEL 35	13-16	E120	4
PATCH PANEL 35	17-20	E121	4
PATCH PANEL 35	21-24	E122	4
PATCH PANEL 35	25-26	E123	2
PATCH PANEL 35	27-30	E125	4
PATCH PANEL 35	31-34	E126	4
PATCH PANEL 35	35-38	E127	4
PATCH PANEL 35	39-42	E128	4
PATCH PANEL 35	43-46	F130	4
PATCH PANEL 35	47-48	SPACE	

8

BLDG 145- RM F108 - TR RK 1				
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY	
PATCH PANEL 34	1-4	E131	4	
PATCH PANEL 34	5-8	E132	4	
PATCH PANEL 34	9-10	E133	2	
PATCH PANEL 34	11-14	E135	4	
PATCH PANEL 34	15-18	E136	4	
PATCH PANEL 34	19-22	E137	4	
PATCH PANEL 34	23-25	E138	4	
PATCH PANEL 34	27-28	E139	2	
PATCH PANEL 34	29-30	E141	2	
PATCH PANEL 34	31-34	E142	4	
PATCH PANEL 34	35-38	E143	4	
PATCH PANEL 34	39-42	E144	4	
PATCH PANEL 34	43-46	E145	4	
PATCH PANEL 34	47-48	SPACE		
PATCH PANEL 33	1-6	E149	6	
PATCH PANEL 33	7-8	E151	2	
PATCH PANEL 33	9-10	EM100	2	
PATCH PANEL 33	11-12	F101	2	
PATCH PANEL 33	13-14	F102	2	
PATCH PANEL 33	15-19	SPACE		
PATCH PANEL 32	1	F109	1	
PATCH PANEL 32	2	F110	1	
PATCH PANEL 32	3	G100	1	
PATCH PANEL 32	4	G102	1	
PATCH PANEL 32	5	G108	1	
PATCH PANEL 32	6	G111	1	
PATCH PANEL 32	7	G114	1	
PATCH PANEL 32	8	G116	1	
PATCH PANEL 32	9	GC101	1	
PATCH PANEL 32	10	G119	1	
PATCH PANEL 32	11	G122	1	
PATCH PANEL 32	12	G127	1	
PATCH PANEL 32	13	G129	1	
PATCH PANEL 32	14	G131	1	
PATCH PANEL 32	15	G132	1	
PATCH PANEL 32	16	GC102	1	
PATCH PANEL 32	17	G133	1	
PATCH PANEL 32	18	GC103	1	
PATCH PANEL 32	19	G138	1	
PATCH PANEL 32	20	G140	1	
PATCH PANEL 32	21	G142	1	
PATCH PANEL 32	22-23	G146	2	
PATCH PANEL 32	24	F111	1	
PATCH PANEL 32	25	F112	1	
PATCH PANEL 32	26	FC100	1	
PATCH PANEL 32	27	E110	1	
PATCH PANEL 32	28	E112	1	
PATCH PANEL 32	29	E115	1	
PATCH PANEL 32	30	E117	1	
PATCH PANEL 32	31	E119	1	
PATCH PANEL 32	32	E100.0	1	
PATCH PANEL 32	33	E123	1	
PATCH PANEL 32	34	E128	1	
PATCH PANEL 32	35	E130	1	
PATCH PANEL 32	36	E133	1	
PATCH PANEL 32	37	E136	1	
PATCH PANEL 32	38	E139	1	
PATCH PANEL 32	39	E141	1	
PATCH PANEL 32	40	E145	1	
PATCH PANEL 32	41	E106	1	
PATCH PANEL 32	42	E111	1	
PATCH PANEL 32	43	F101	1	
PATCH PANEL 32	44-45	CAMERA	2	
PATCH PANEL 32	46-48	SPACE		

BLDG 146- RM 168 - TR RK 1			
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY
PATCH PANEL 40	1-2	108	2
PATCH PANEL 40	3-6	123A	4
PATCH PANEL 40	7-10	123A1	4
PATCH PANEL 40	11-13	123	3
PATCH PANEL 40	14-15	106A	2
PATCH PANEL 40	16-17	C102	2
PATCH PANEL 40	18-19	106	2
PATCH PANEL 40	20-22	100	3
PATCH PANEL 40	23-25	HC10	6
PATCH PANEL 40	29-33	107A	5
PATCH PANEL 40	34-35	112	2
PATCH PANEL 40	36-37	116	2
PATCH PANEL 40	38-39	116B	2
PATCH PANEL 40	40-41	121	2
PATCH PANEL 40	42-43	120A	2
PATCH PANEL 40	44-48	SPACE	
PATCH PANEL 39	1-20	CAMERA	20
PATCH PANEL 38	1	123A1	1
PATCH PANEL 38	2	123B	1
PATCH PANEL 38	3	C101	1
PATCH PANEL 38	4	C101	1
PATCH PANEL 38	5	103	1
PATCH PANEL 38	6	C105	1
PATCH PANEL 38	7	106	1
PATCH PANEL 38	8	101	1
PATCH PANEL 38	9-10	100	2
PATCH PANEL 38	11	106	1
PATCH PANEL 38	12	106D	1
PATCH PANEL 38	13	HC10	1
PATCH PANEL 38	14	112	1
PATCH PANEL 38	15	C104	1
PATCH PANEL 38	16	109	1
PATCH PANEL 38	17	114	1
PATCH PANEL 38	18-19	C103	1
PATCH PANEL 38	20	115	1
PATCH PANEL 38	21	120A1	1
PATCH PANEL 38	22	121	1
PATCH PANEL 38	23	116	1
PATCH PANEL 38	24	118	1
PATCH PANEL 38	25	120	1
PATCH PANEL 38	26	C101	1
PATCH PANEL 38	27-48	SPACE	

BLDG 147 - RM 109 - TERK 1			
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY
PATCH PANEL 21	1-2	109	2
PATCH PANEL 21	3-4	102	2
PATCH PANEL 21	5-13	104	8
PATCH PANEL 21	14-15	111	2
PATCH PANEL 21	16-19	114	4
PATCH PANEL 21	20-21	82	2
PATCH PANEL 21	22-24	SPACE	
PATCH PANEL 21	25	109	1
PATCH PANEL 21	26	125	1
PATCH PANEL 21	27-28	104	2
PATCH PANEL 21	29	110	1
PATCH PANEL 21	30	121	1
PATCH PANEL 21	31	115	1
PATCH PANEL 21	32	111	1
PATCH PANEL 21	33	114	1
PATCH PANEL 21	34	82	1
PATCH PANEL 21	35-48	SPACE	

BLDG T-296 - RM 104 - RK 1			
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY
PATCH PANEL 40	1-3	200	3
PATCH PANEL 40	4-5	201	2
PATCH PANEL 40	6-7	2010	2
PATCH PANEL 40	8-11	202A	4
PATCH PANEL 40	12-13	202	2
PATCH PANEL 40	14-15	104	2
PATCH PANEL 40	16-48	SPACE	
PATCH PANEL 39	1	200	1
PATCH PANEL 39	2	101	1
PATCH PANEL 39	3	102	1
PATCH PANEL 39	4	201D	1
PATCH PANEL 39	5	202A	1
PATCH PANEL 39	6	202	1
PATCH PANEL 39	7-48	SPACE	

BLDG T171- RM 100 - TE RK 1			
PATCH PANEL - LOCATION	PORT #	RM	CABLE QTY
PATCH PANEL 10	1-2	100	2
PATCH PANEL 10	3-6	102	4
PATCH PANEL 10	7-10	101	4
PATCH PANEL 10	12-25	SPACE	
PATCH PANEL 10	25	101	1
PATCH PANEL 10	26	101	1
PATCH PANEL 10	27-48	SPACE	

[illegible]

## CONSULTANT

**LOW VOLTAGE**  
**GDM**  
**4317 6TH AVE SE, SUITE 300**  
**LACEY, WA 98503**  
**541.436.4723**  
**DAVE CLEM, RCDD**

**ARCHITECT/ENGINEER OF RECORD**

**A/E**  
**GDM**  
**1308 NE 134TH ST SUITE A**  
**VANCOUVER, WA 98685**  
**541.436.4723**  
**ADAM GODDIN, PE**

**STAMP**



**OFFICE OF  
CONSTRUCTION  
AND FACILITIES  
MANAGEMENT**

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

DRAWING TITLE

## TELECOMM CABLE SCHEDULES

**APPROVED:** Project Director

FOR OFFICIAL USE ONLY (FOUO)

PHASE  
100% CONSTRUCTION  
DOCUMENTS

**FLS**

FULLY SPRINKLERED

PROJECT TITLE	EHRM INFRASTRUCTURE UPGRADES
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LOCATION \_\_\_\_\_

ISSUE DATE

CHECKED BY

DRAWN BY

PROJECT NUMBER

BUILDING NUMBER

DRAWING NUMBER

TJ-030

## PATCH PANEL SCHEDULE NOTES

1. EXISTING WORK AREA OUTLET LOCATION UNKNOWN. ONCE CONTRACTOR TRACES EXISTING LOCATION, PROVIDE NEW WORK STATION OUTLET IN SAME QUANTITY OF DROPS AS EXISTING REPLACING VOICE WITH CAT6A. PROVIDE NEW FAC PLATE, JACKS, AND CAT6A CABLING AT EXISTING OUTLET LOCATION. IF EXISTING OUTLET IS SURFACE MOUNTED PROVIDE TELECOMM OUTLET WITH SURFACE MOUNTED BOX AND SURFACE RACEWAY UP TO CEILING. CONTRACTOR TO PROVIDE PROPER LABELING OF OUTLETS TO MATCH THE PROJECTS LABELING SCHEME.