

ALL BACKBONE CABLING ROUTES ARE DIAGRAMMATICAL;
CONTRACTOR SHALL ENSURE A-SIDE AND B-SIDE ROUTING IS AS
DIVERSE AS PRACTICAL. REFERENCE COMMUNICATIONS DRAWINGS
FOR ALL REQUIRED FIBER-OPTIC CABLING.

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM
TELECOMMUNICATIONS ROOM 1B105 LOCATED ON FLOOR 1.

1 BLDG 75 - MEZZANINE - TELECOMMUNICATIONS PLAN
1" = 10'-0"

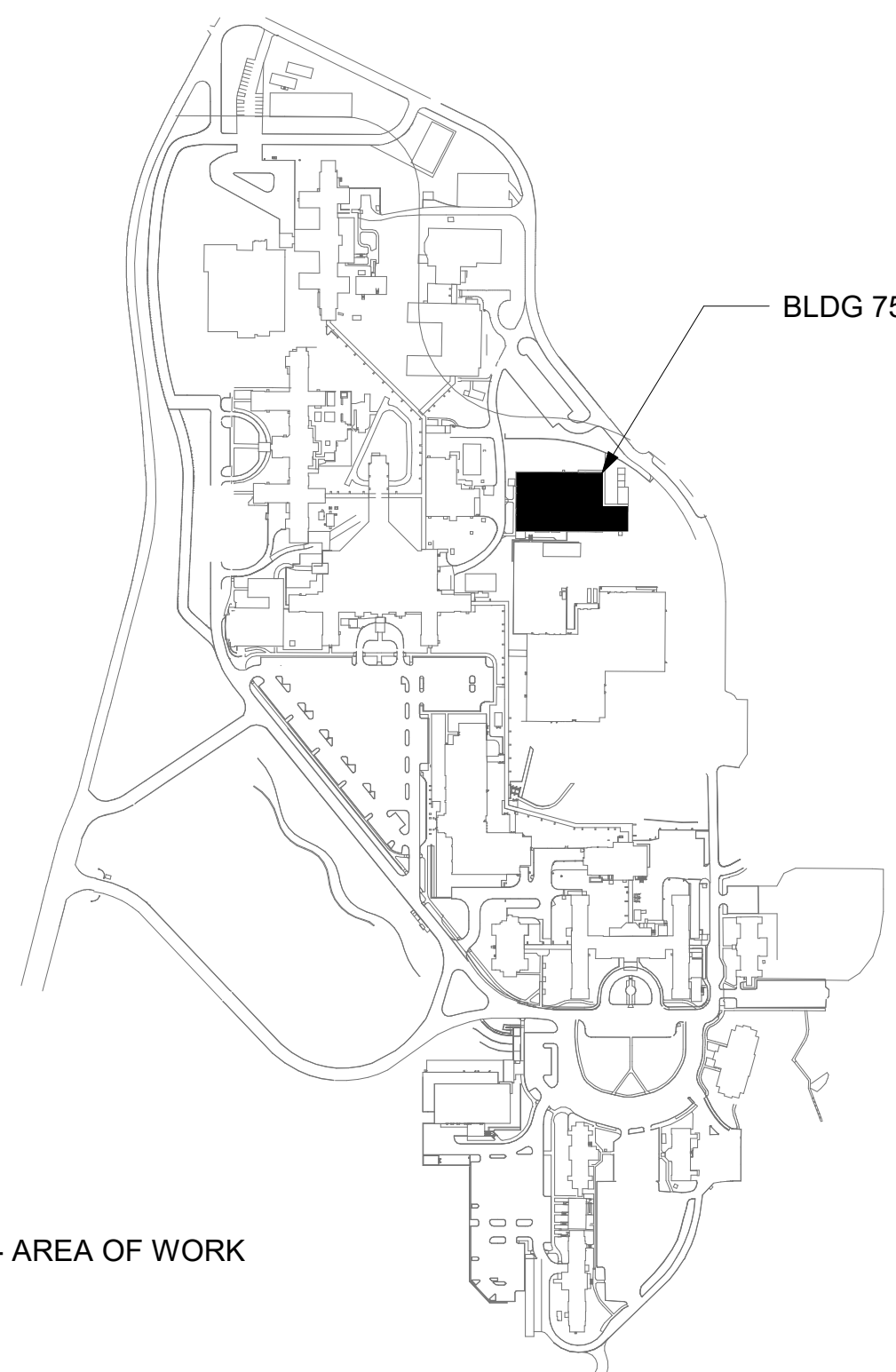
GENERAL NOTES



- ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
- PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
- SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
- ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE UPGRADED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
- TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING AS CONDUIT FILL ALLOWS. PROVIDE ADDITIONAL RACEWAYS TO EXTEND TO ASSOCIATED TR AS REQUIRED.
- A TELECOMMUNICATIONS OUTLET UPGRADE SHALL INCLUDE, BUT IS NOT LIMITED TO REMOVING AND DISPOSING EXISTING DEVICES AND CABLES; PROVIDING ALL LABOR, MATERIALS, TOOLS, TEST INSTRUMENTS, AND CONSUMABLES REQUIRED FOR THE INSTALLATION, TERMINATION, TESTING, LABELING, AND CERTIFICATION OF A FULLY FUNCTIONAL CATEGORY 6A OUTLET WITH THE PORT QUANTITY INDICATED.
- CONTRACTOR SHALL PROVIDE, INSTALL, AND TERMINATE HORIZONTAL CAT 6A CABLING FROM EACH WAO (WORK AREA OUTLET) TO ITS RESPECTIVE TR.
- PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES.
- PROVIDE CONDUITS AND SLEEVES AS REQUIRED FOR ROUTING AND INSTALLATION OF HORIZONTAL AND BACKBONE CABLING. PROVIDE FIRE-STOP MATERIALS TO SEAL IN AND AROUND CONDUIT PER CODE. REFER TO ARCHITECTURAL DRAWINGS FOR PARTITION TYPES AND WALL HEIGHTS.
- OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IF FIELD; DOCUMENT VARIANCES ON AS-BUILT DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING FURNITURE, INCLUDING TRANSPORTATION, FOR ALL WORK TO DESIRED VA STORAGE LOCATION. COORDINATE WITH VA AS REQUIRED.
- ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
- FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

- PROVIDE TELECOMMUNICATIONS OUTLET WITH PORT QUANTITY SHOWN TO REPLACE EXISTING TELECOMMUNICATIONS OUTLET. EXISTING OUTLET CONDUIT SHALL REMAIN AND BE UTILIZED TO FEED NEW CABLING. REFERENCE SHEET DETAIL '1' ON SHEET ET503 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.
- ALL EXISTING WIRELESS ACCESS POINTS (WAP) SHALL BE RE-FED WITH CAT 6A CABLING. CONTRACTOR SHALL FIELD VERIFY QUANTITY AND LOCATIONS OF WAPs.

KEY PLAN



		CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title BLDG 75 - MEZZANINE - TELECOMMUNICATIONS PLAN	Phase CONSTRUCTION DOCUMENTS	Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 657-21-701JB			
			A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES			Approved:	FULLY SPRINKLERED	Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	Building Number 75			
								Issue Date 03/31/2022	Checked LRL/WM			
										Drawn JGE/JBB	Drawing Number 75ET102	
									362 OF 435			
Revisions:		Date:										

ELEMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL PROVIDE ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CABLES. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH THIS DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, AND THE ELEMENT NOTED.
 DEMOLITION WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE TO WALLS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR TO THE SAME AS THE ORIGINAL OWNER.
 WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
 DEMOLITION CABLES CATEGORICAL CATEGORY 6 AND BELOW SHALL BE DEMOLISHED AT DATA PORTS AND CABLE QUANTITIES INDICATED, UNLESS OTHERWISE NOTED.
 DEMOLITION CABLES SHALL BE ROUTED IN EXISTING PATHWAY WHERE AVAILABLE. PROVIDE RACEWAYS TO EXTEND TO
 DEMOLITION OUTLET UPGRADE SHALL INCLUDE, BUT IS NOT LIMITED TO, DEMOLITION OF EXISTING DEVICES AND CABLES; PROVIDING ALL NEW TOOLS, TEST INSTRUMENTS, AND CONSUMABLES REQUIRED FOR DEMOLITION, TERMINATION, TESTING, LABELING, AND CERTIFICATION. PROVIDE CATEGORY 6A OUTLET WITH THE PORT QUANTITY INDICATED.
 DEMOLITION. INSTALL, AND TERMINATE HORIZONTAL CATEGORY 6A OUTLET WITH WAO (WORK AREA OUTLET) TO ITS RESPECTIVE TRAY.
 DEMOLITION SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT RUNS. PROVIDE CONTAINING BENDS TOTALING MORE THAN 180 DEGREES.
 DEMOLITION AND SLEEVES AS REQUIRED FOR ROUTING AND DEMOLITION. PROVIDE HORIZONTAL AND BACKBONE CABLEING. PROVIDE FIRE-STOP DEMOLITION IN AND AROUND CONDUIT PER CODE. REFER TO DEMOLITION DRAWINGS FOR PARTITION TYPES AND WALL HEIGHTS.
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 DEMOLITION ROUTES AND ASSOCIATED RACEWAYS/ CABLE TRAY ARE DEMOLITION COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, DEMOLITION PRIOR TO, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND DEMOLITION ACTIONS PRIOR TO INSTALLATION.

1 EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT 6A CABLING.

AREA OF WORK

CORRIDOR BLDG 1-24

PROJ. NO. 1

[illegible]

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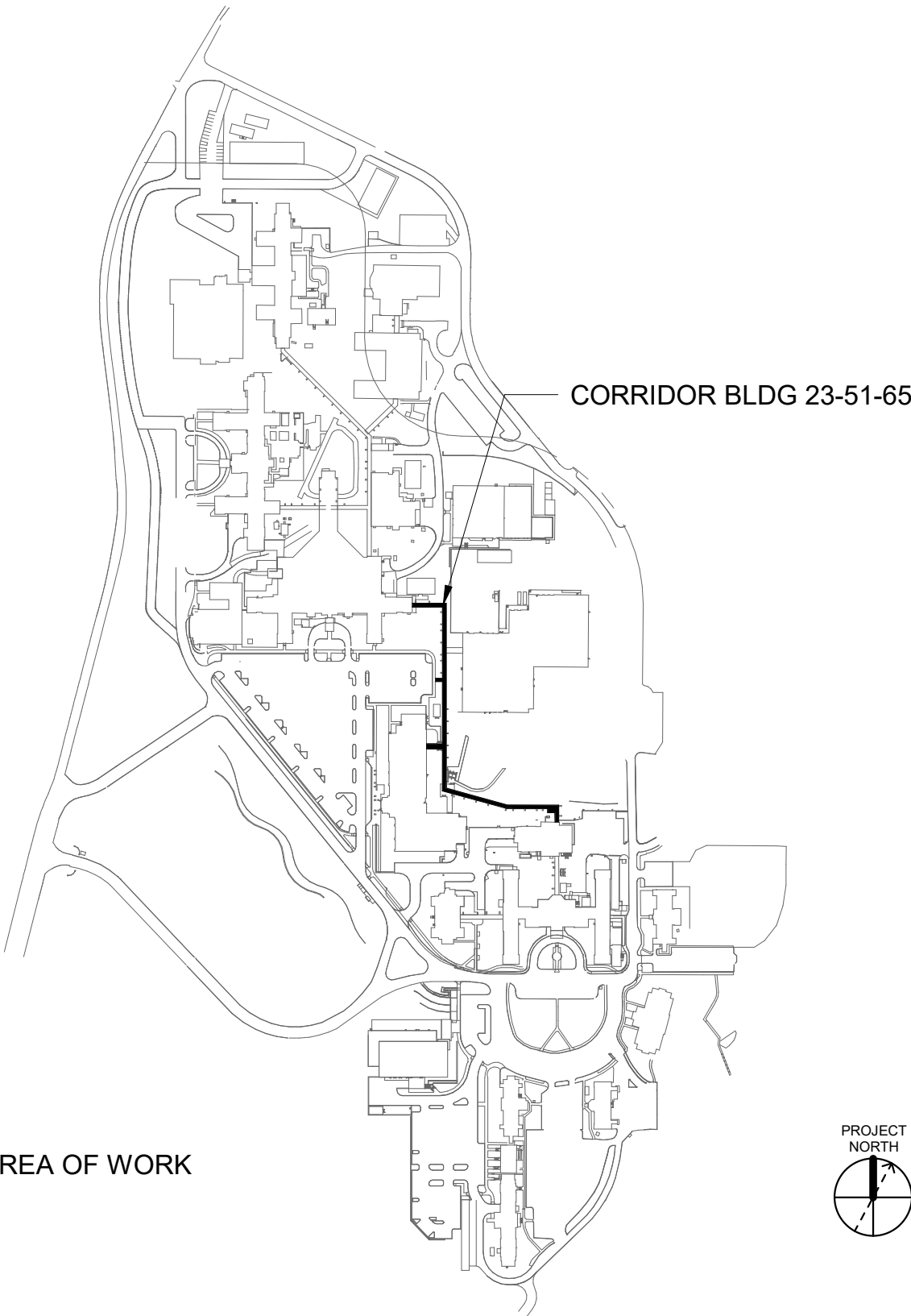
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KEY NOTES

- 1 EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT 6A CABLING.

KEY PLAN



BUILDING 04

BUILDING 23

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM 1A183 IN BUILDING 51

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM 121A IN BUILDING 23

REFERENCE COMMUNICATIONS DRAWINGS FOR A-SIDE FIBER-OPTIC BACKBONE CABLING FEEDS

1 BLDG 23-51-65 - FLOOR 1 - CORRIDOR WIRELESS ACCESS POINT TELECOMMUNICATIONS PLAN
3/64" = 1'-0"



Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES

STAMP

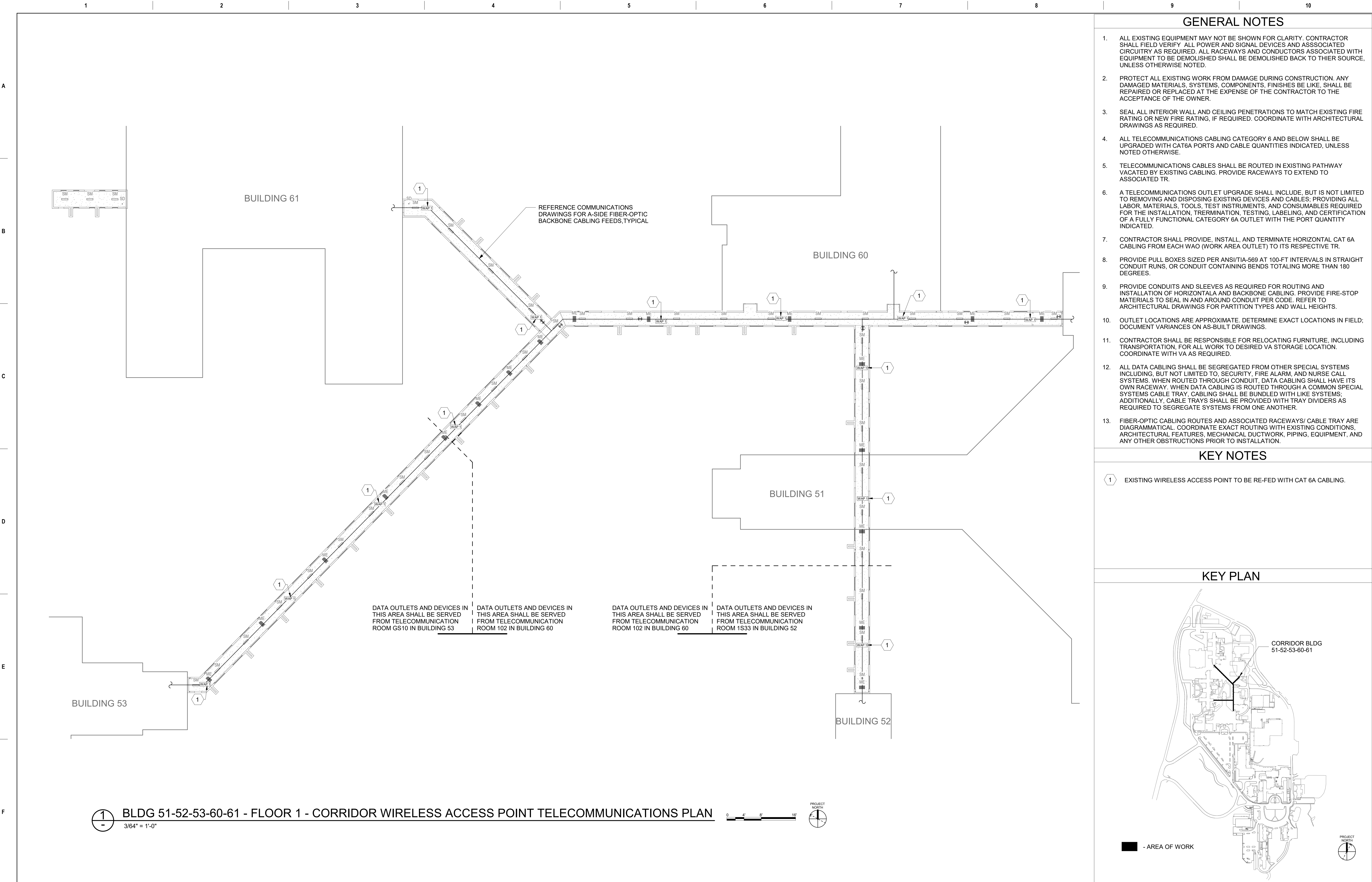
Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title BLDG 23-51-65 - FLOOR 1 - CORRIDOR WIRELESS ACCESS POINT TELECOMMUNICATIONS PLAN
Approved:

Phase CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title EHRM INFRASTRUCTURE UPGRADES
Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO
Issue Date 03/31/2022
Checked LRL/VNM
Drawn JPS/LLT

Project Number 657-21-701JB
Building Number
Drawing Number CET103
365 OF 435



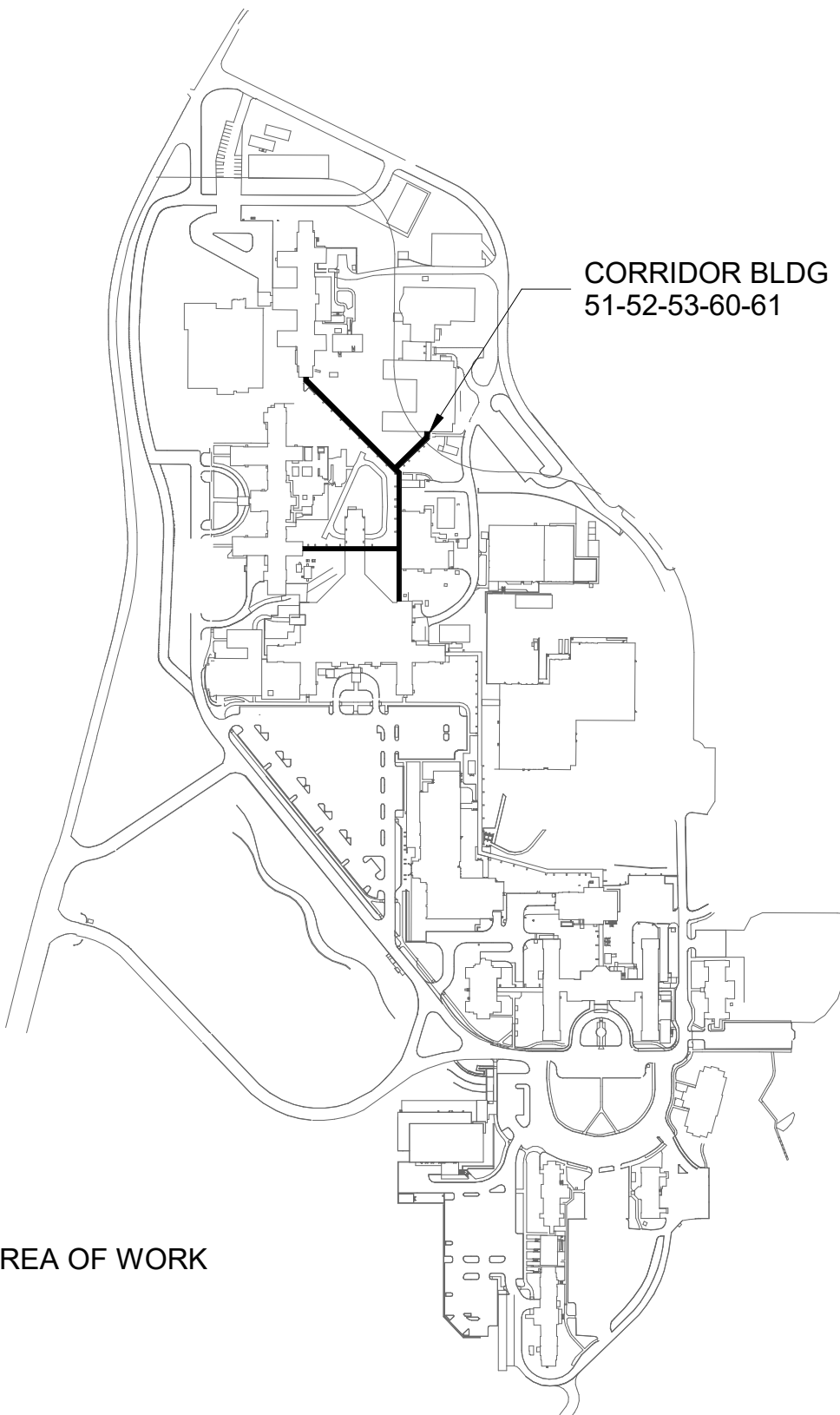
GENERAL NOTES



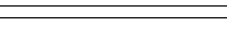
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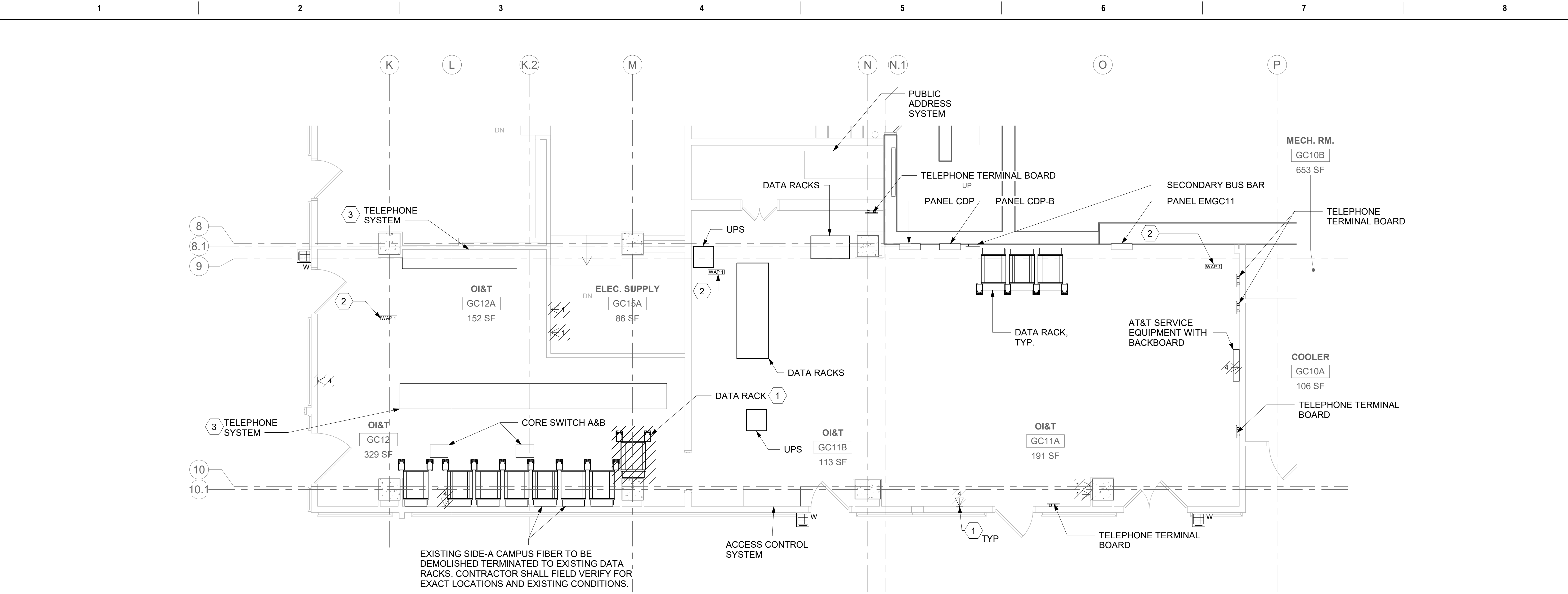
KEY NOTES

- 1 EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT 6A CABLING.

KEY PLAN

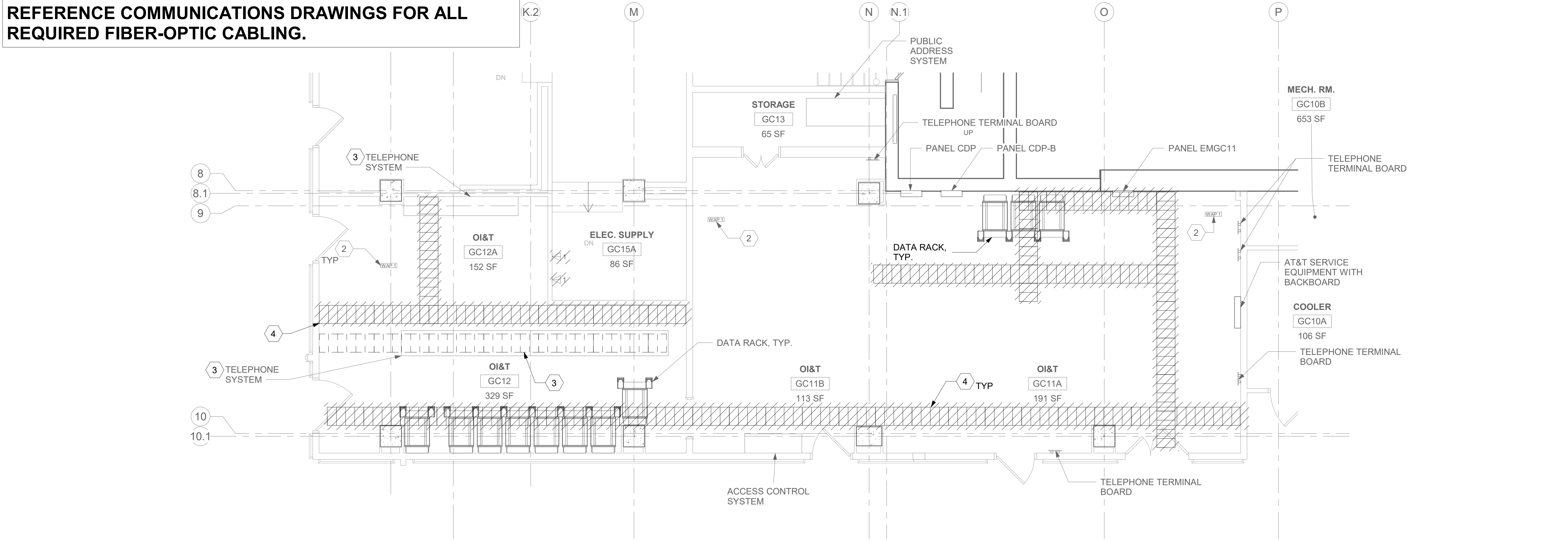


		CONSULTANT	ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES 	STAMP 	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title BLDG 51-52-53-60-61 - FLOOR 1 - CORRIDOR WIRELESS ACCESS POINT TELECOMMUNICATIONS PLAN Approved:	Phase CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Title EHRM INFRASTRUCTURE UPGRADES		
								Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO		
								Issue Date 03/31/2022	Checked LRL/WM	Drawn JPS/LLT
								Project Number 657-21-701JB		
								Building Number		
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					CET104					
					366 OF 435					
Revisions:										
Date:										



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1 RM GC12, GC12A, GC11A & GC11B - DEMOLITION FLOOR PLAN
01ET100 1/4" = 1'-0"



2 RM GC12 - DEMOLITION OVERHEAD PLAN
01ET100 1/4" = 1'-0"

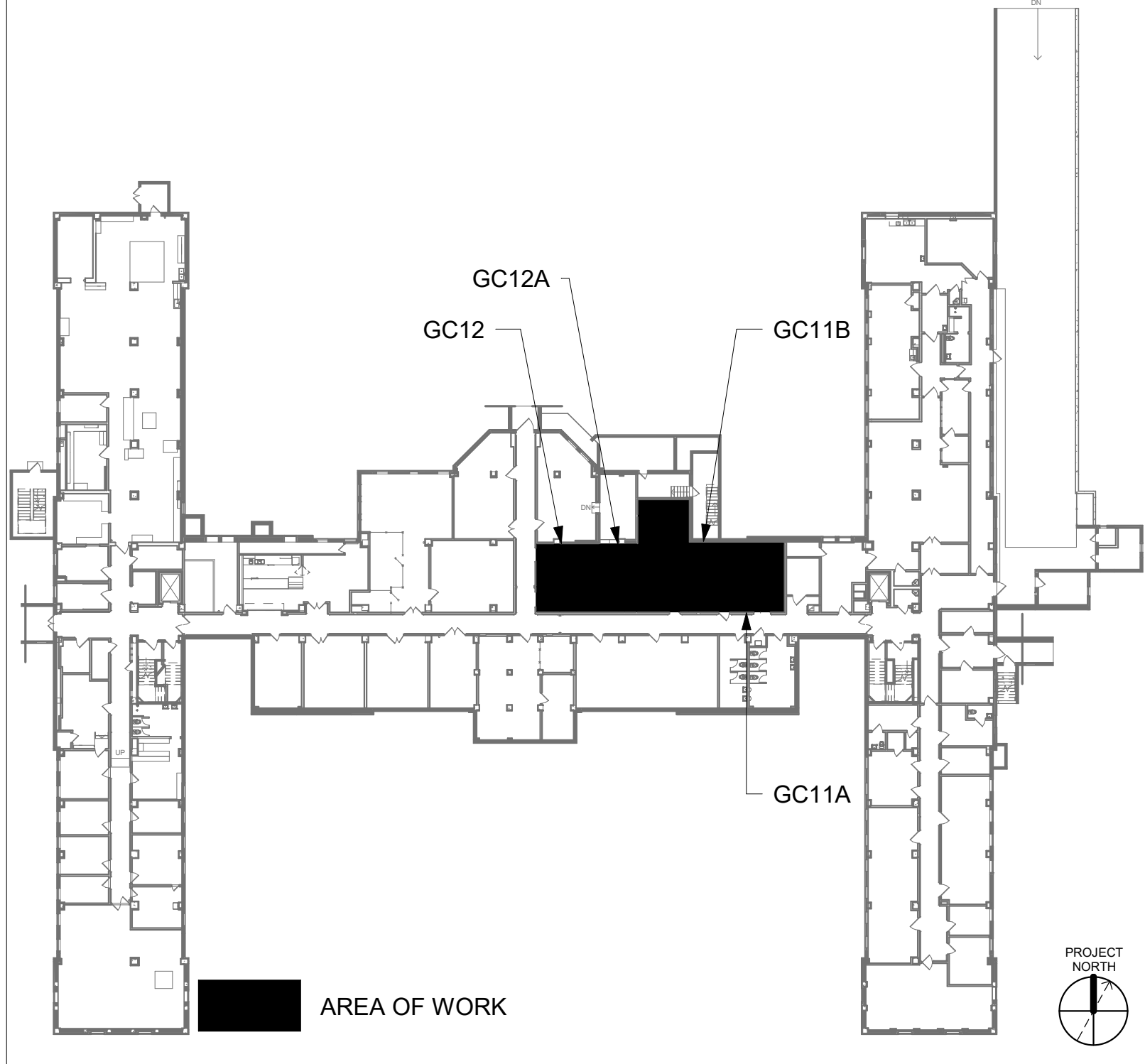
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7. PROVIDE 1" CONDUIT FROM NEW BACKBOX TO ACCESSIBLE CEILING SPACE FOR ALL OUTLETS IDENTIFIED AS NEW.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES.
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13. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
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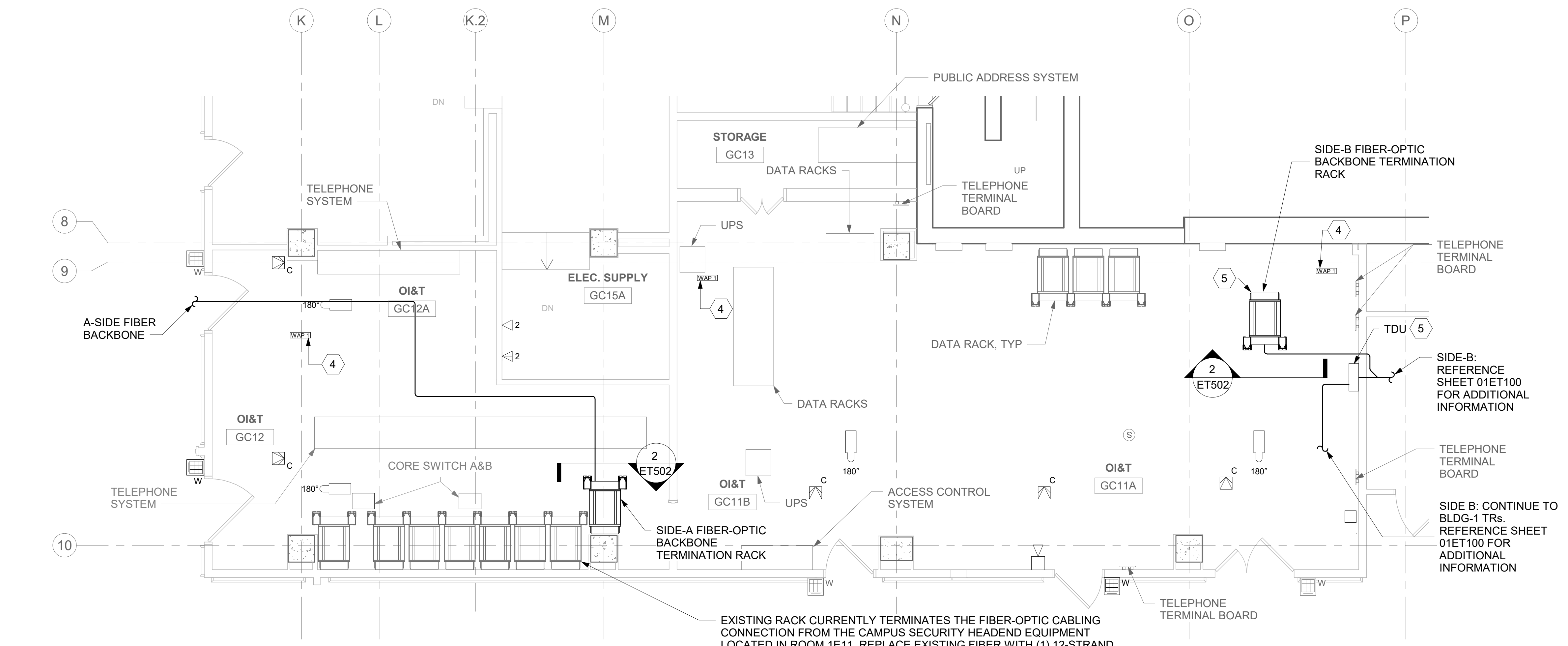
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- 1 EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
- 2 EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT6A CABLING.
- 3 EXISTING TELEPHONE RACKS, CABLE TRAY, CABLING, AND EQUIPMENT TO REMAIN. PROTECT AND PRESERVE.
- 4 EXISTING CABLE TRAY TO BE REPLACED. ALL EXISTING FIBER AND COPPER UTP CABLING TO BE REMOVED AND REPLACED.

KEY PLAN

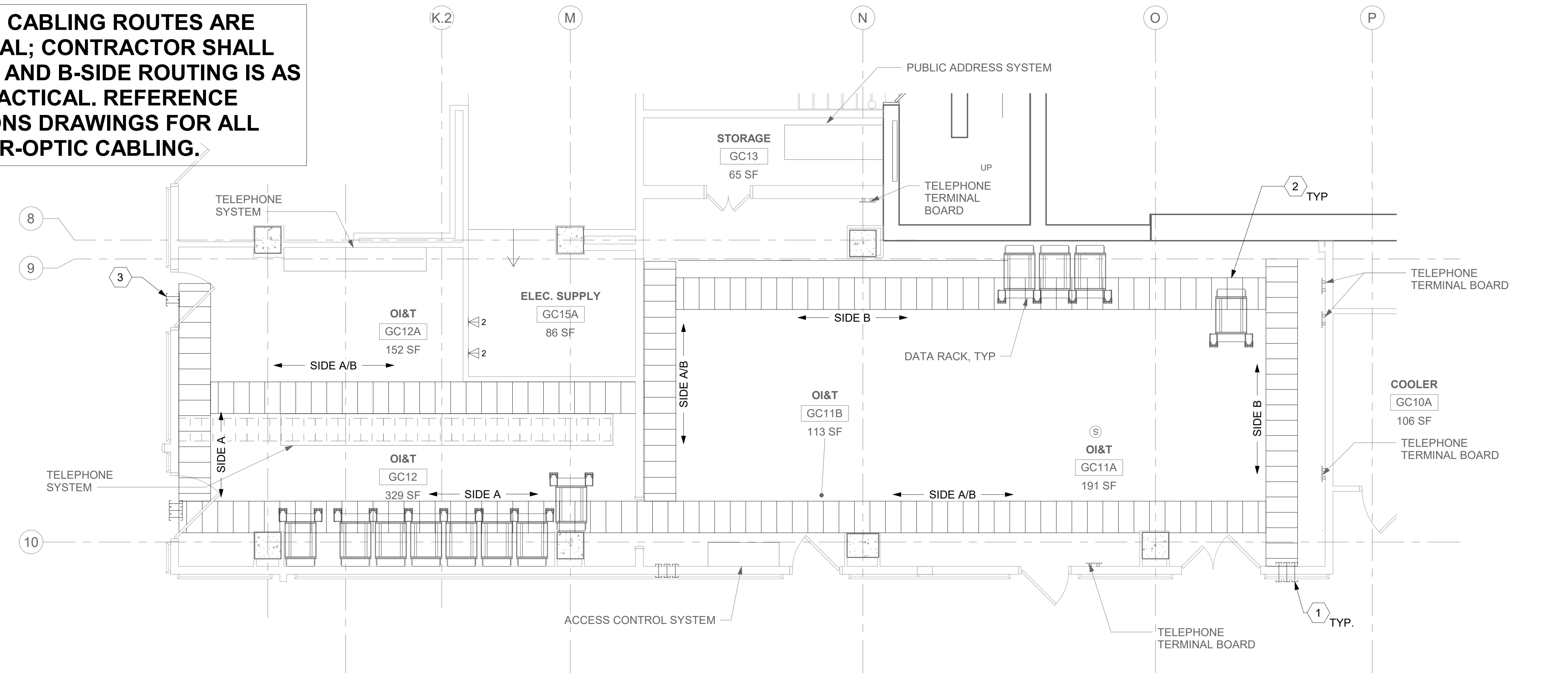


Revisions:	Date:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	STAMP LOUIS R. LITZKO STATE OF WASHINGTON 55081 3-3-23 REGISTERED PROFESSIONAL ENGINEER	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title BLDG 01 - FLOOR 0 - ENLARGED TELECOMMUNICATION PLANS Approved:	Phase CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Title EHRM INFRASTRUCTURE UPGRADES Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 Checked LRL/WM Drawn JGE/JBB	Project Number 657-21-701JB Building Number 01 Drawing Number 01ET400a 367 OF 435



1 RM GC12 - TELECOMMUNICATIONS PLAN
01ET100 1/4" = 1'-0"

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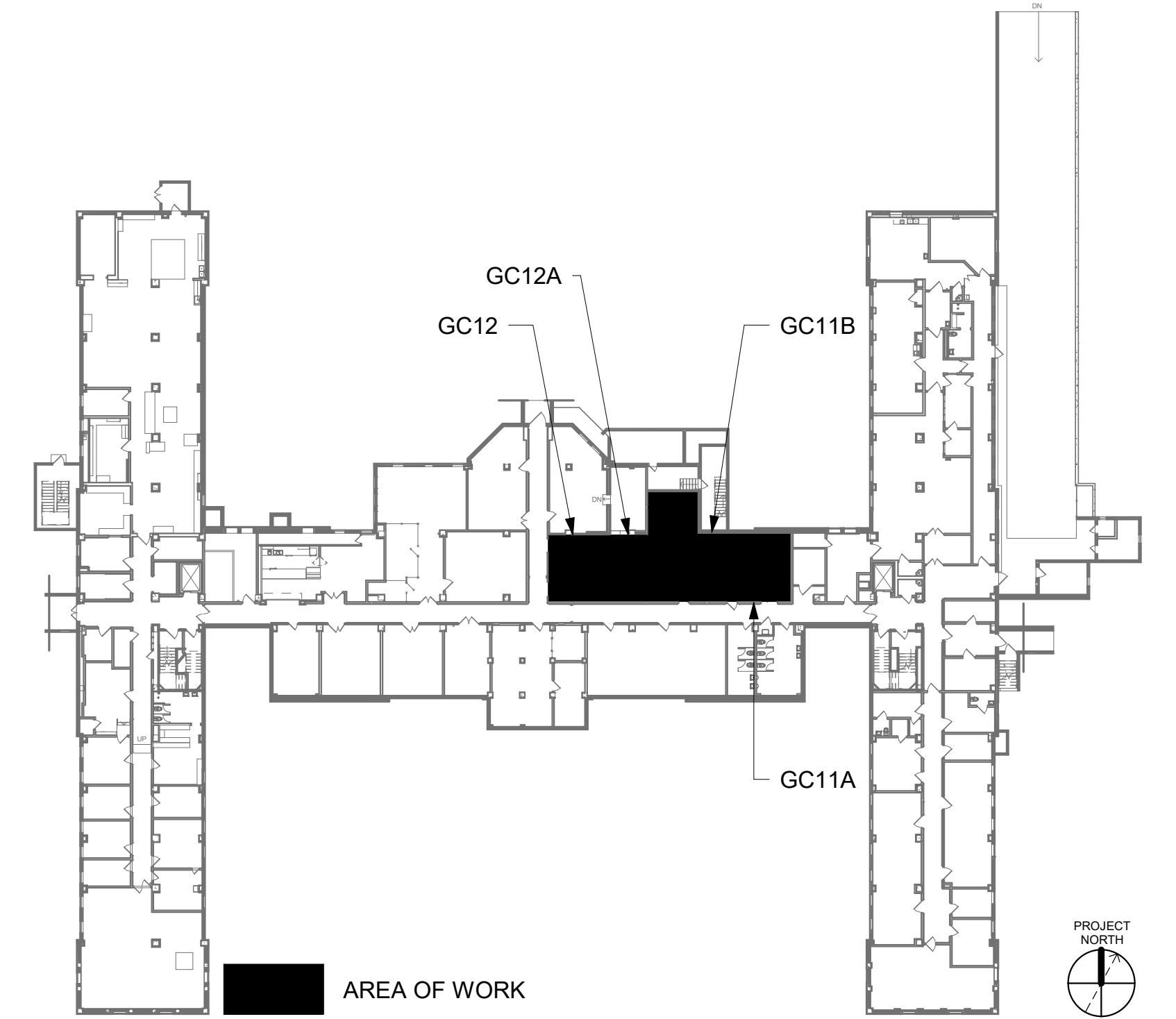
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KEY NOTES

- PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. PROVIDE ADDITIONAL SLEEVES AS REQUIRED FOR ADDITIONAL CABLING. REFERENCE DETAIL '2' ON SHEET ET503 FOR ADDITIONAL INFORMATION.
- REMOVE AND REPLACE EXISTING CABLE TRAY IN THE AREAS SHOWN AS REQUIRED; IF CABLE TRAY IS NON-EXISTENT, PROVIDE CABLE TRAY AS INDICATED. REFERENCE DETAIL '6' ON SHEET ET503 AND TELECOMMUNICATIONS WAO AND CABLE TRAY SCHEDULE ON SHEET ET701. WHERE WALL EXTENDS TO CEILING, CABLE TRAY SHALL STOP AND TRANSITION TO CONDUIT SLEEVES ([2, 4" MINIMUM]) WITH APPROPRIATE FIRE-PROOFING AND CAULKING TO PASS THROUGH WALL. WHERE EXISTING CABLE TRAY AND/OR SLEEVES ARE DISCOVERED, EVALUATE CONDITION AND RACEWAY CAPACITY; IF CABLE TRAY AND/OR SLEEVES APPEAR TO BE REUSABLE, NOTIFY COR FOR POSSIBLE REUSE.
- EXISTING FIREPROOF SLEEVES, QUANTITY OF (4). REUSE SLEEVES AS ABLE.
- EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT6A CABLING.
- TUBE DISTRIBUTION UNIT (TDU), REFERENCE COMMUNICATION DRAWINGS FOR ADDITIONAL INFORMATION.

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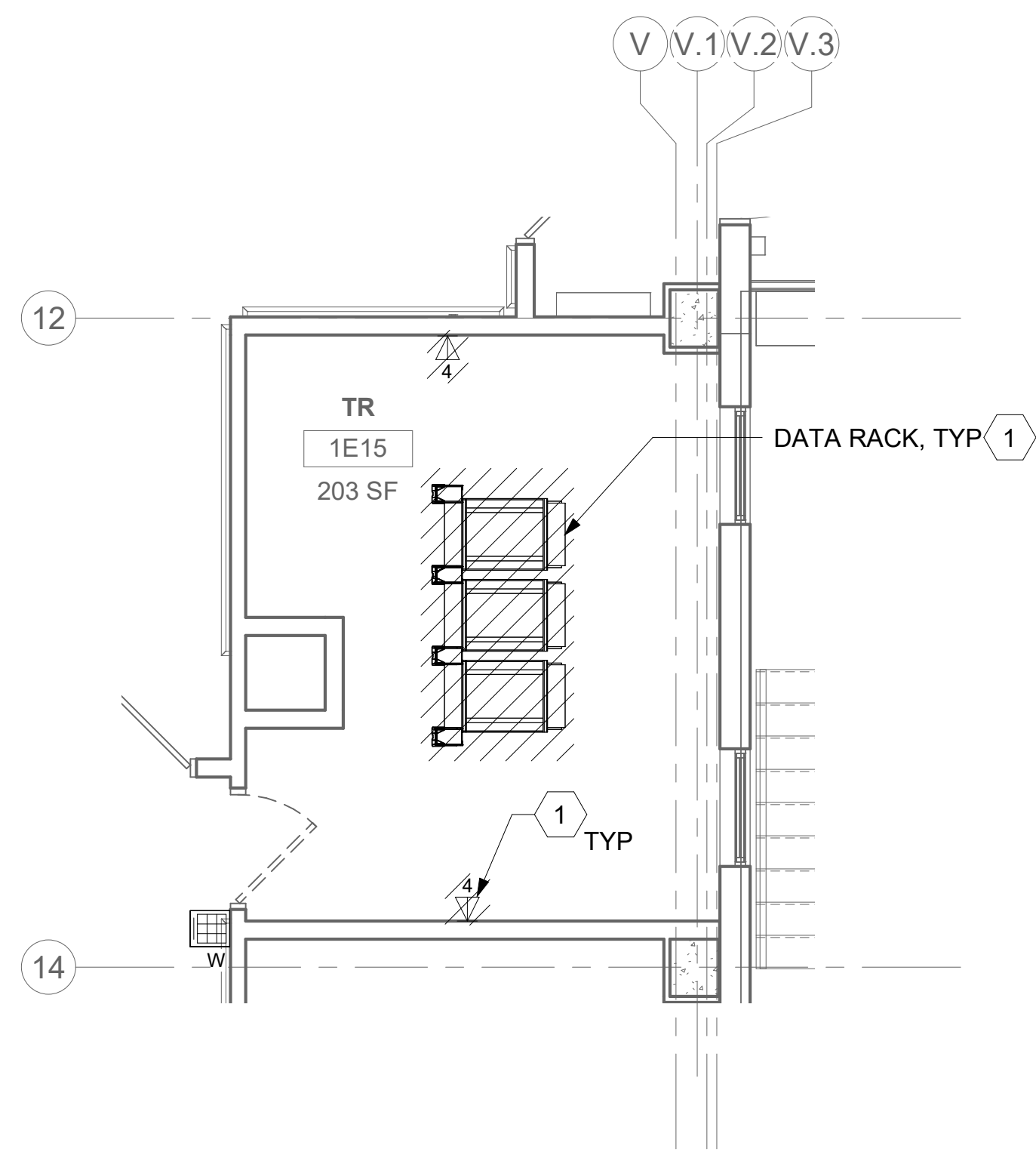
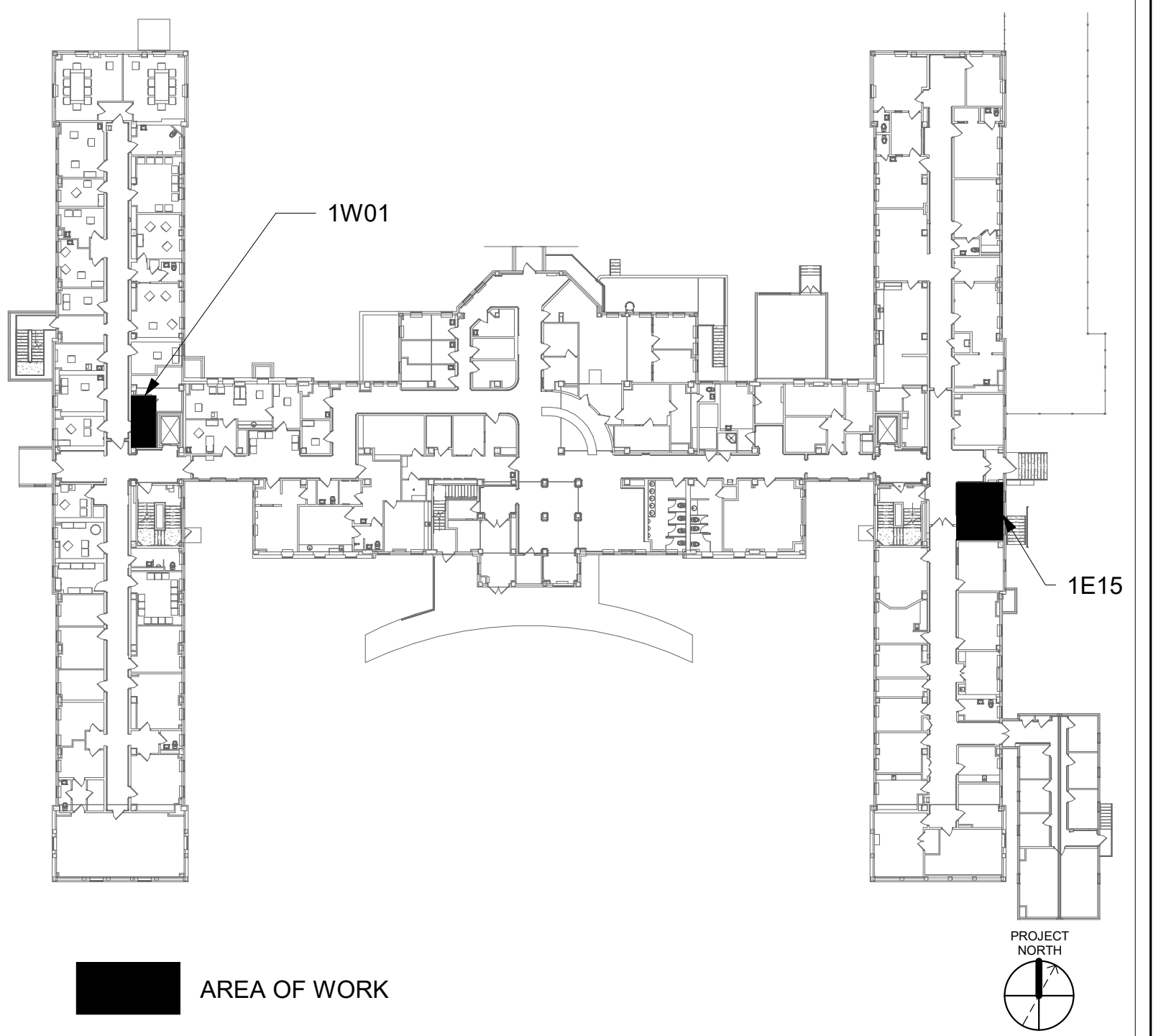
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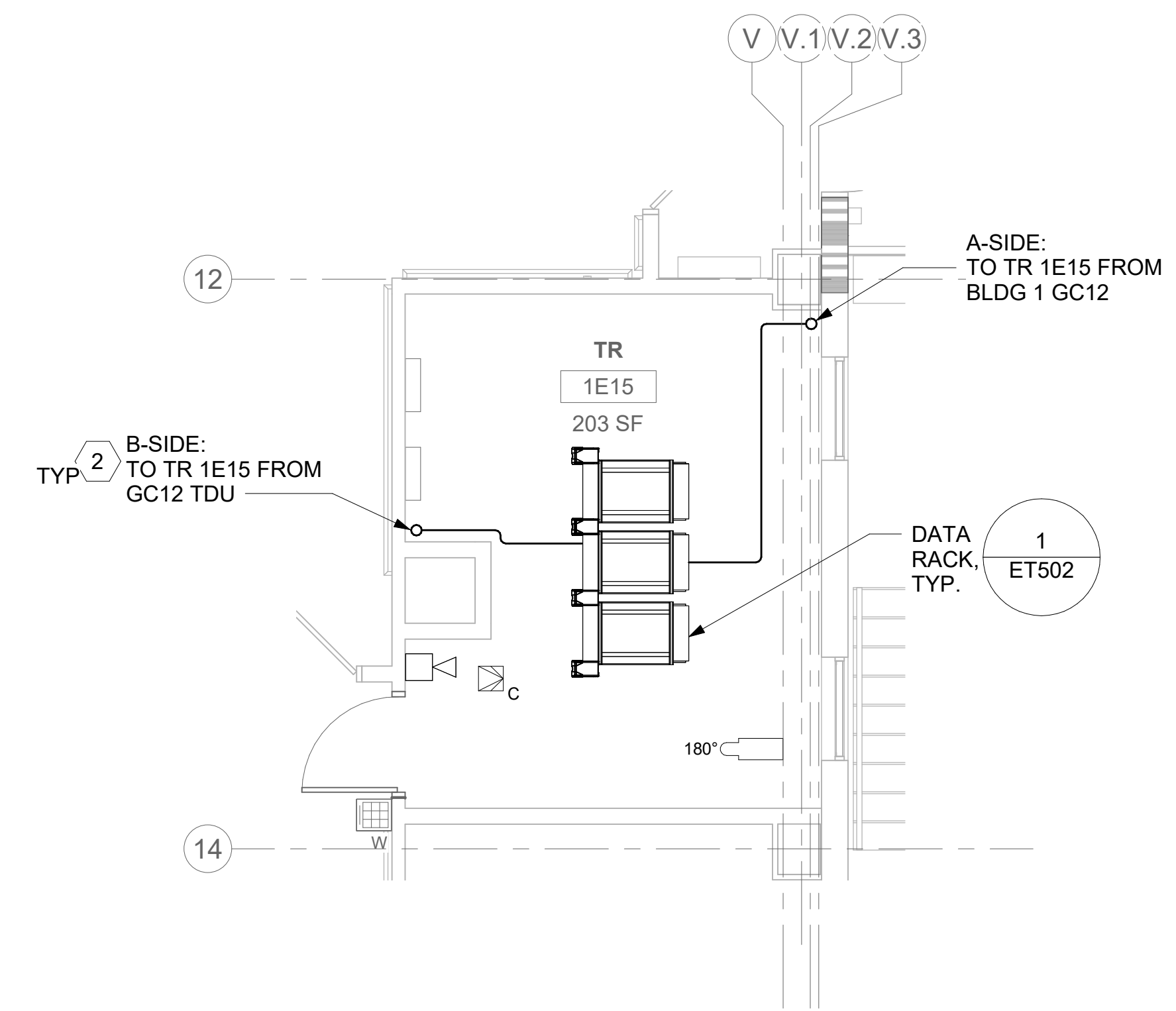
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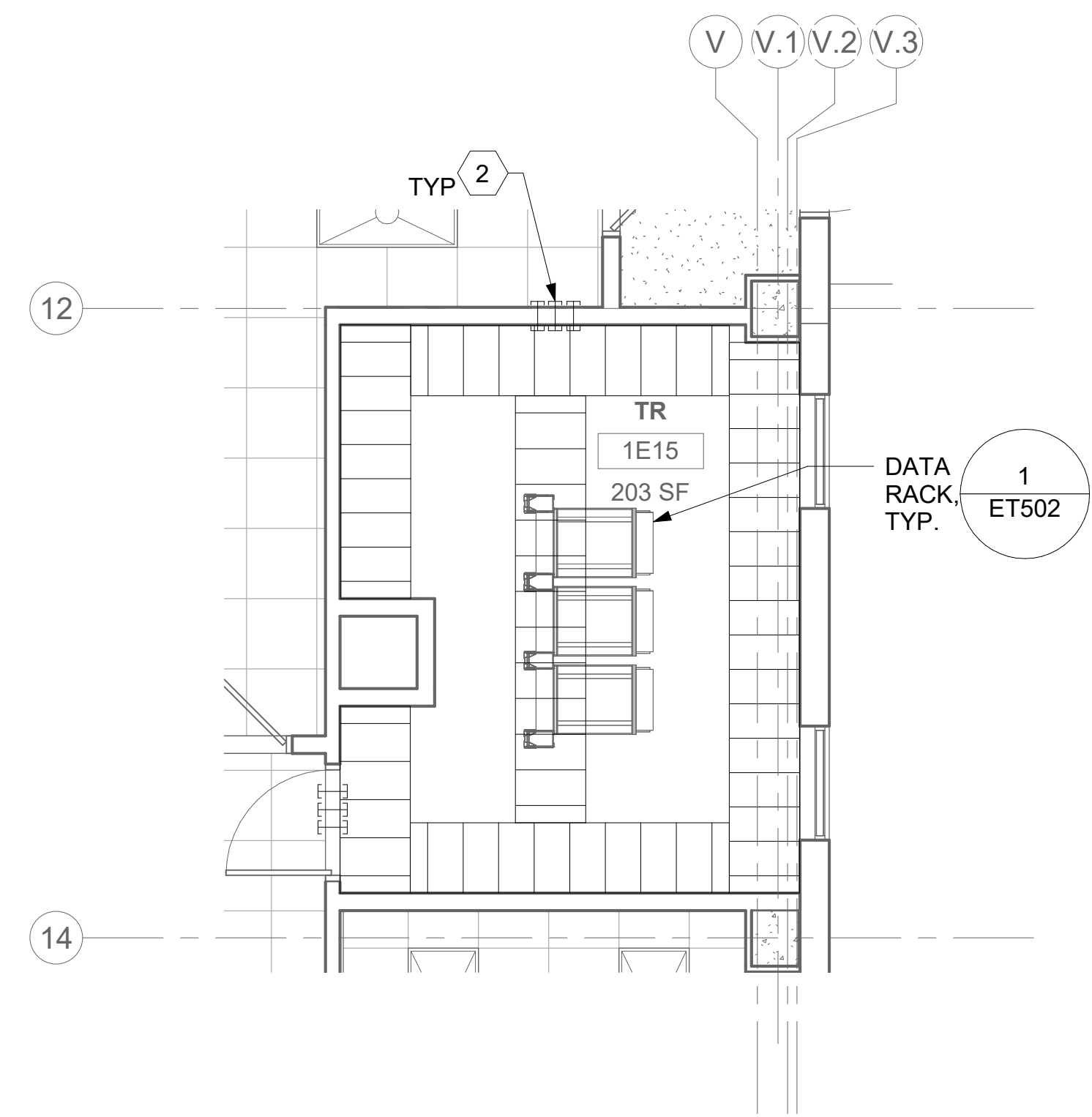
KEY PLAN



1 RM 1E15 - DEMOLITION FLOOR PLAN
01ET101 1/4" = 1'-0"

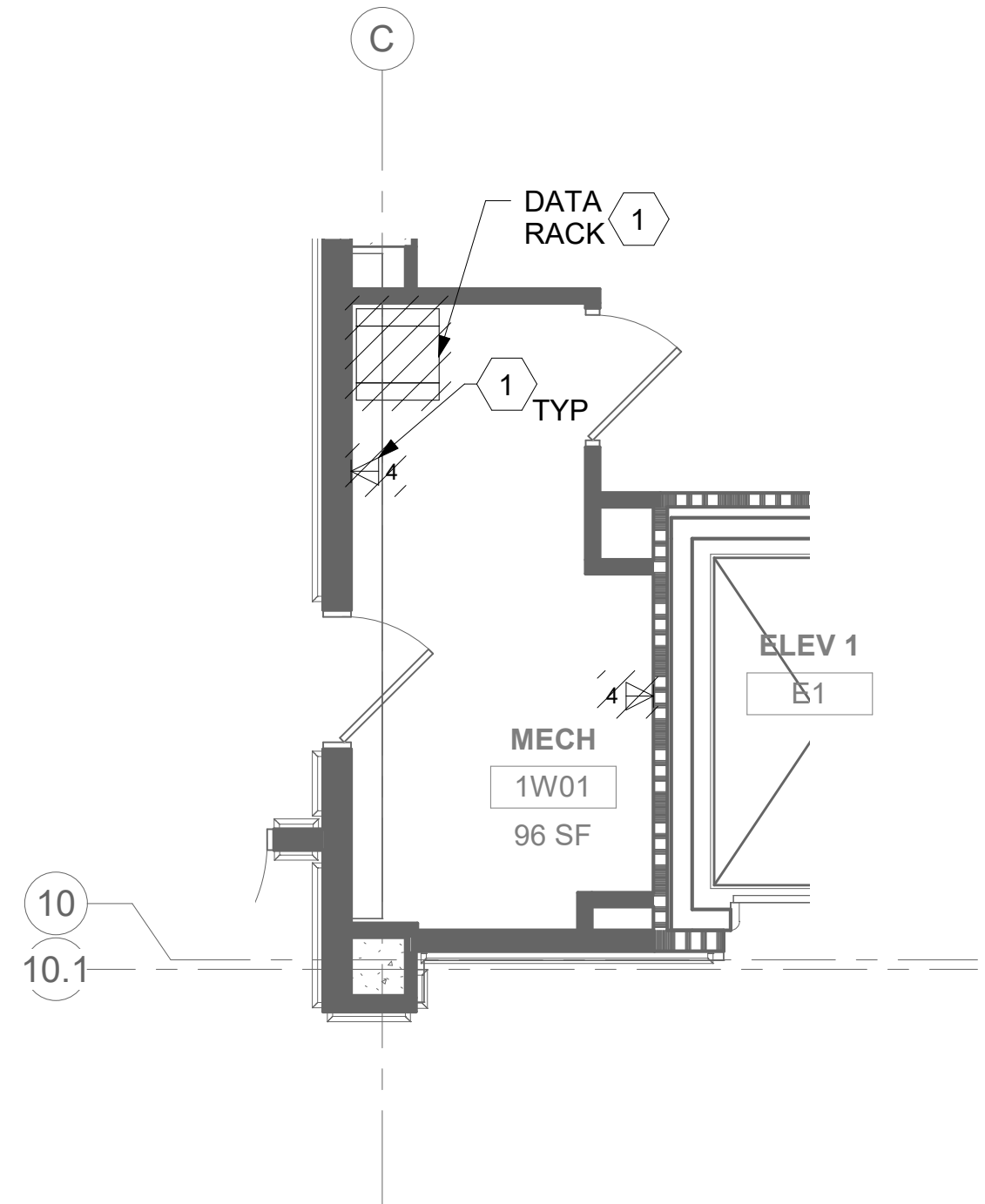


2 RM 1E15 - TELECOMMUNICATIONS PLAN

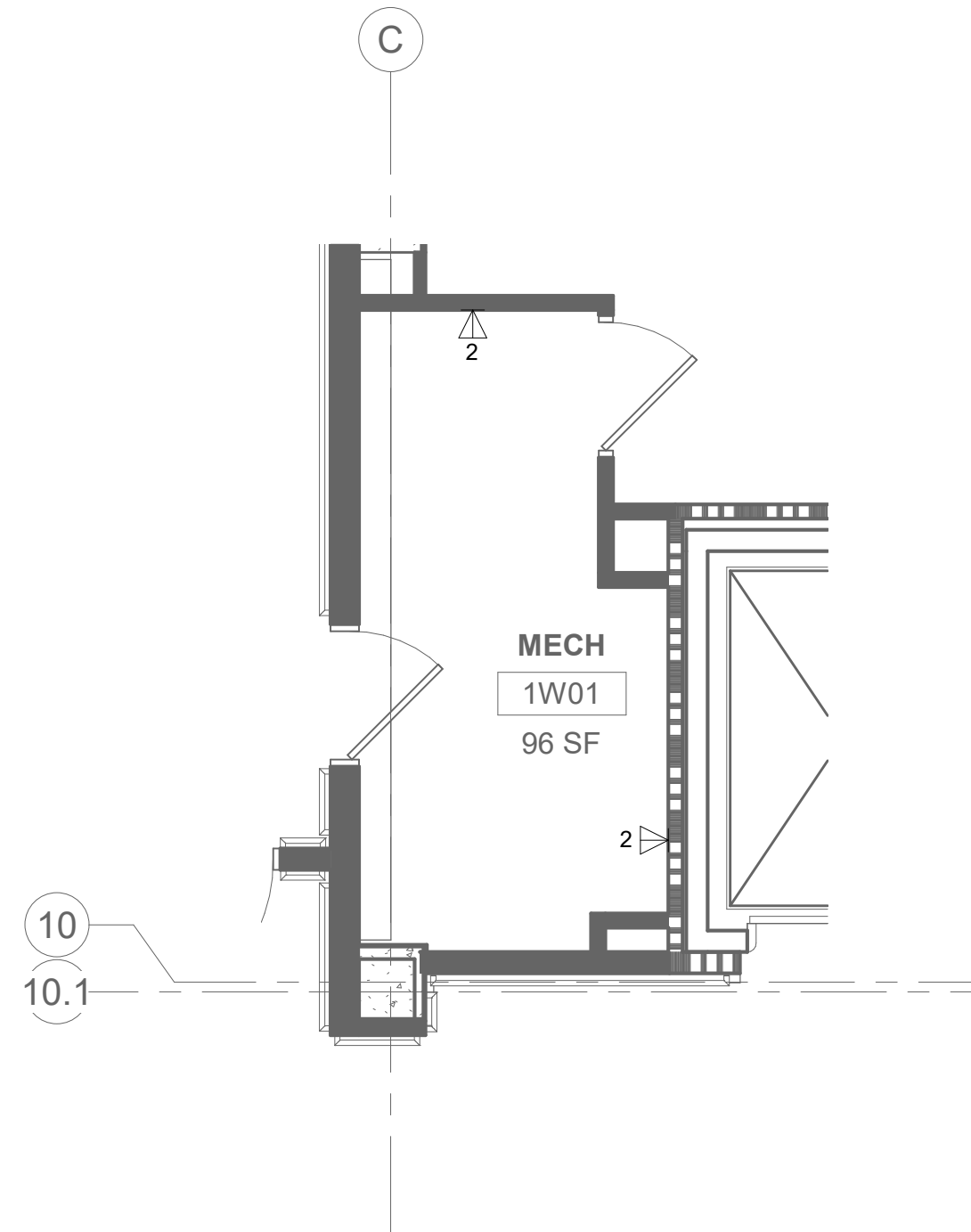


3 RM 1E15 - OVERHEAD PLAN LEVEL 1
01ET101 1/4" = 1'-0"

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5 RM 1W01 - DEMOLITION FLOOR PLAN
01ET101 1/4" = 1'-0"  PROJECT NORTH 



6 RM 1W01 - TELECOMMUNICATIONS PLAN

01ET101 1/4" = 1'-0"

0 2 4 8

PROJECT NORTH

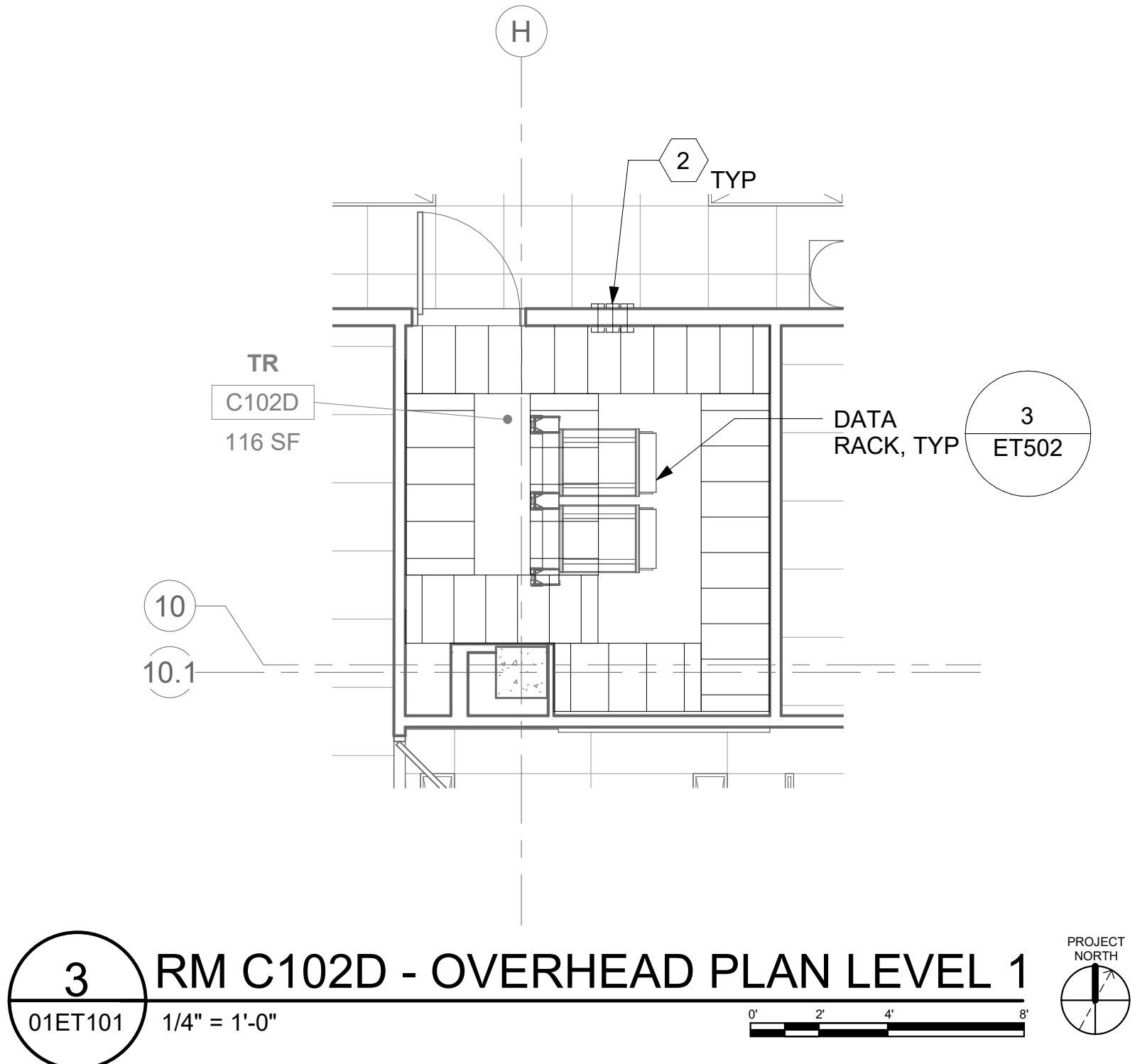
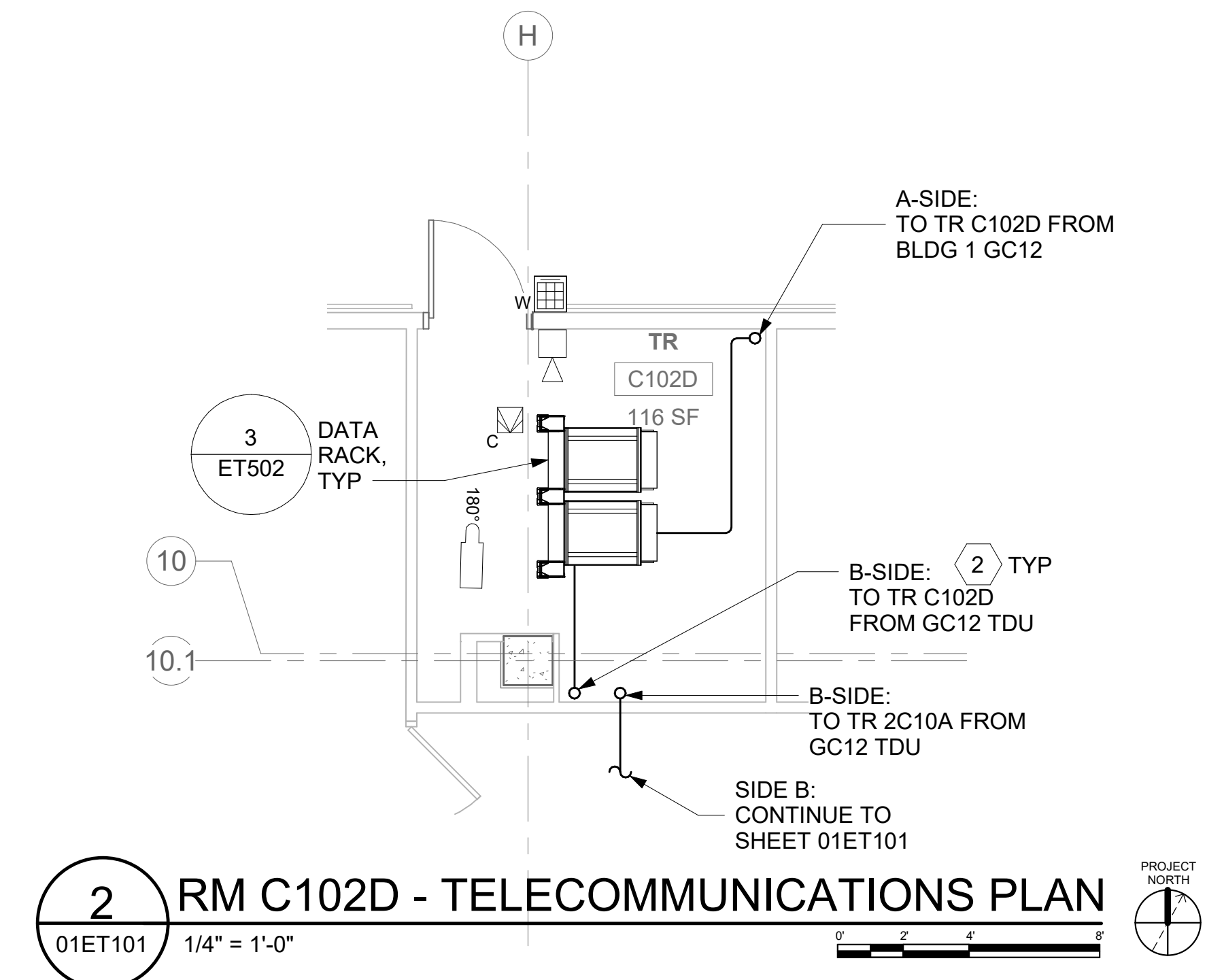
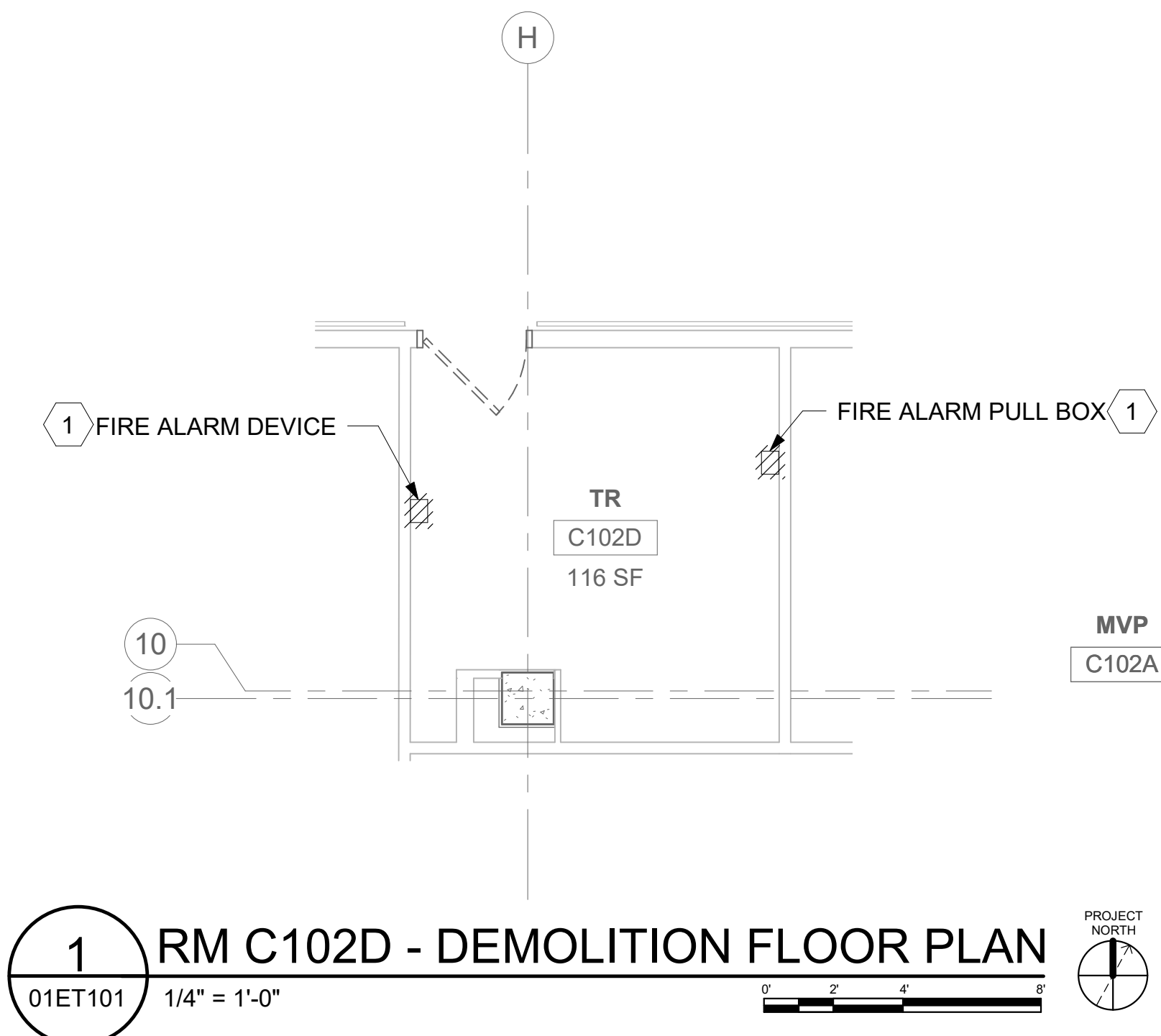
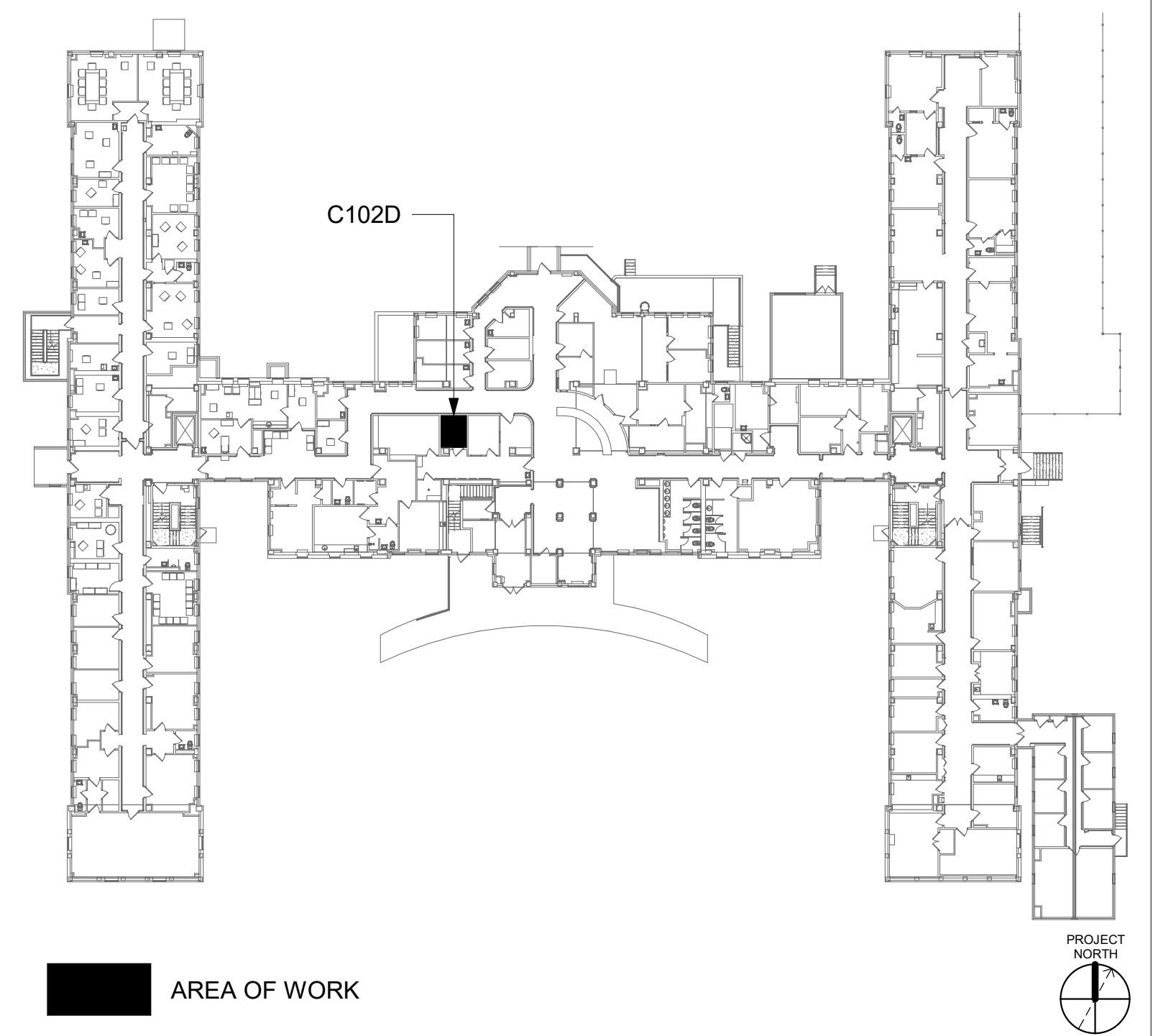
4 NOT USED

[illegible]

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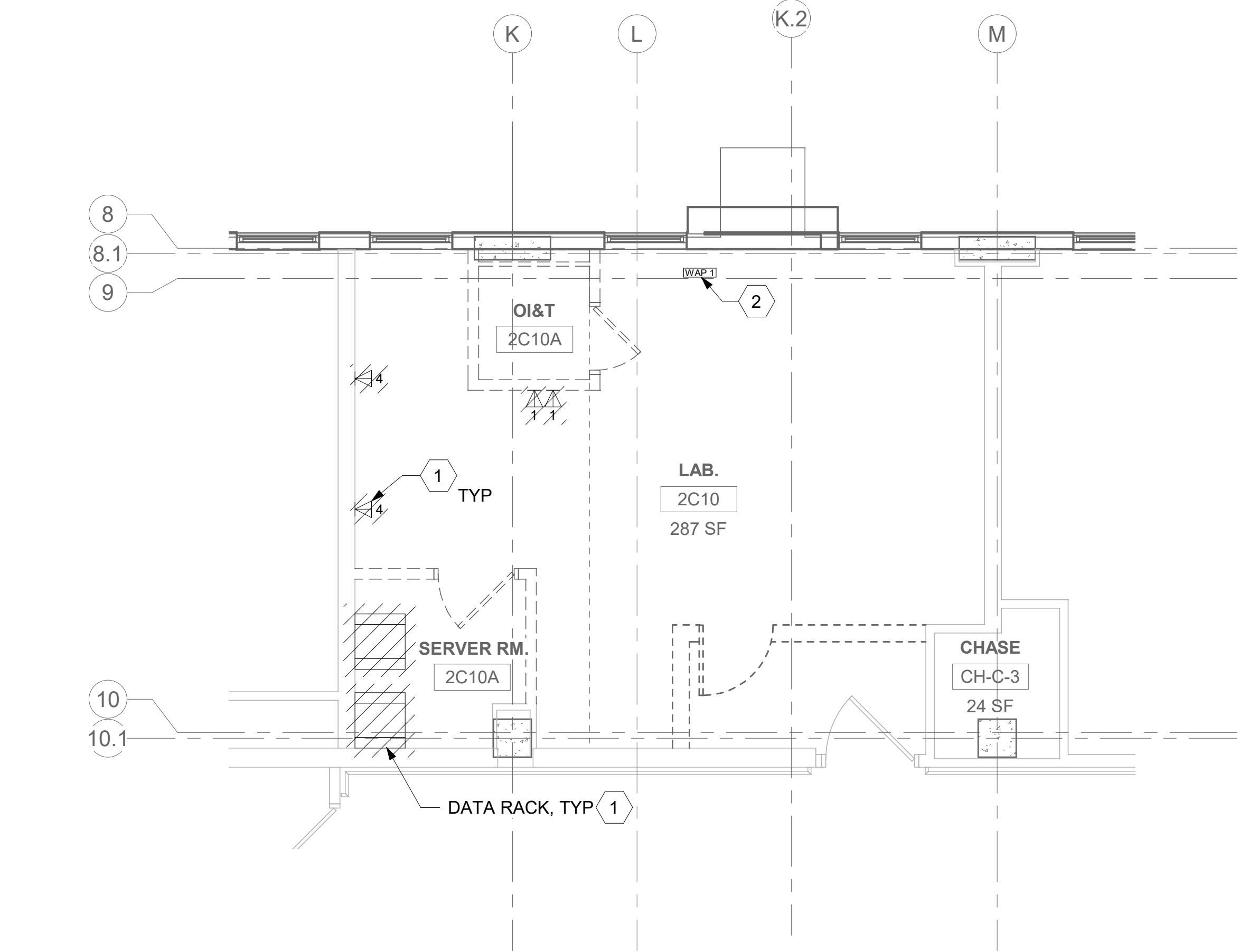
KEY PLAN



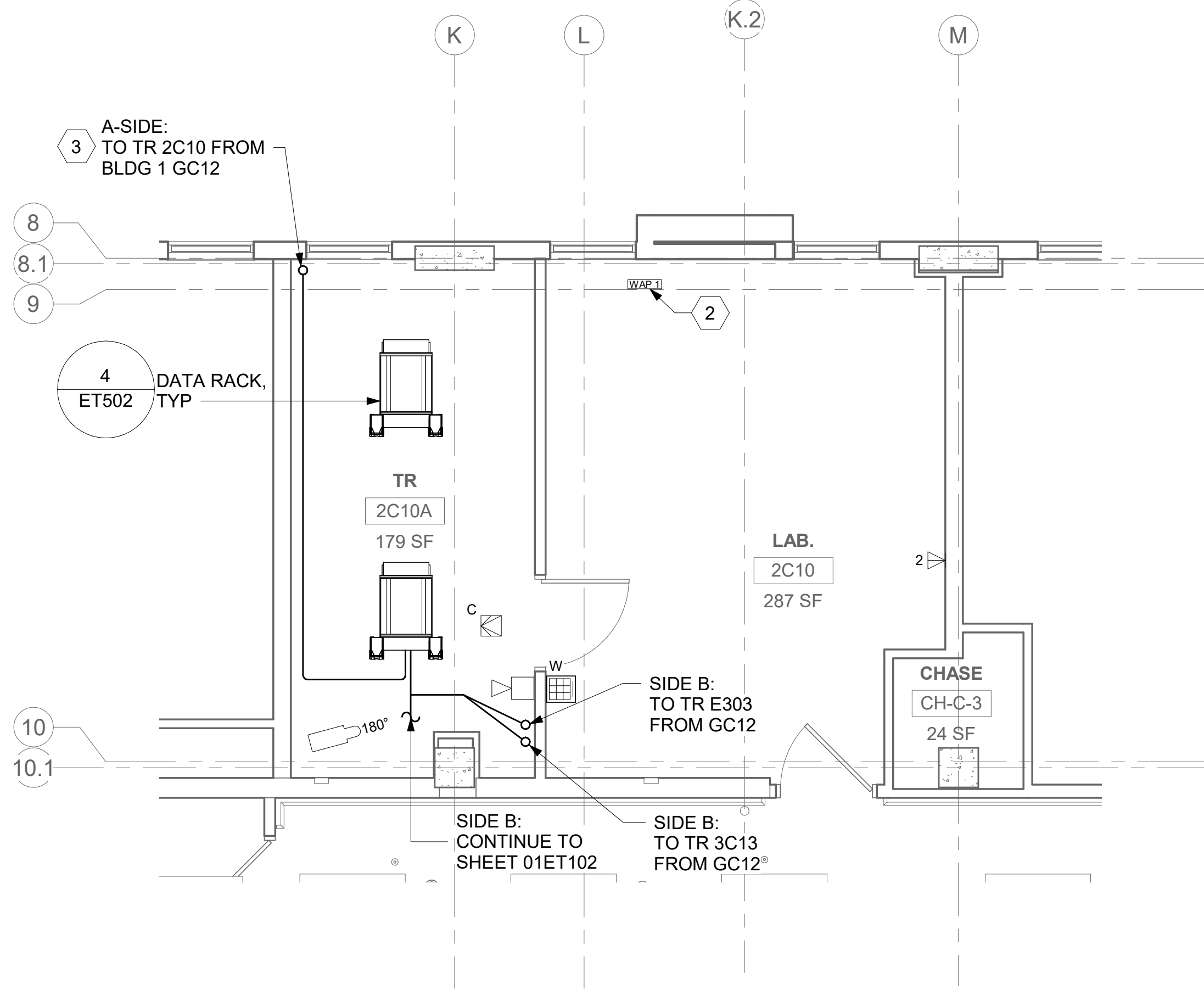
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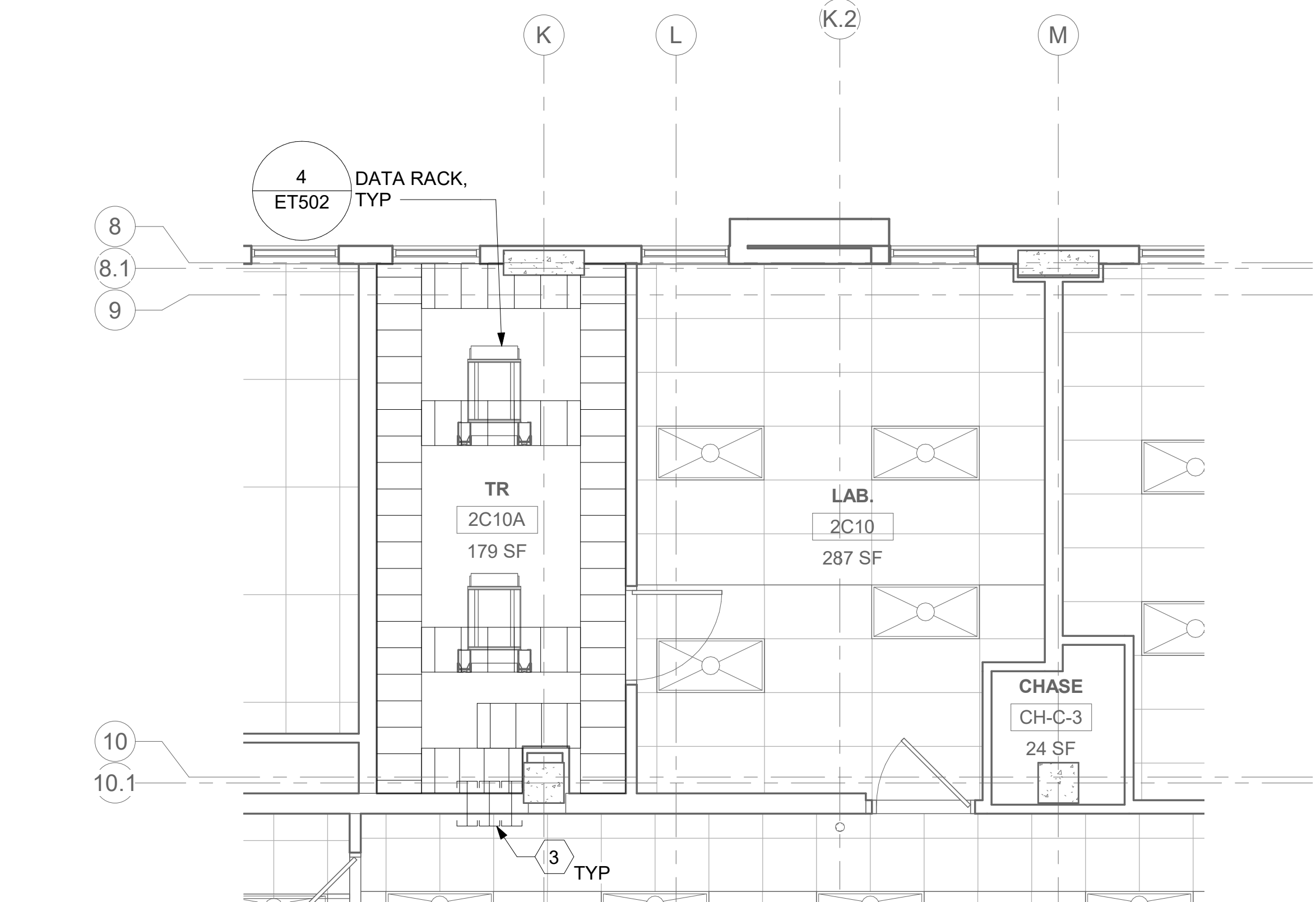
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1 RM 2C10 - DEMOLITION FLOOR PLAN
01ET102 1/4" = 1'-0"



2 RM 2C10A - TELECOMMUNICATIONS PLAN
01ET102 1/4" = 1'-0"



3 RM 2C10A - OVERHEAD PLAN LEVEL
01ET102 1/4" = 1'-0"

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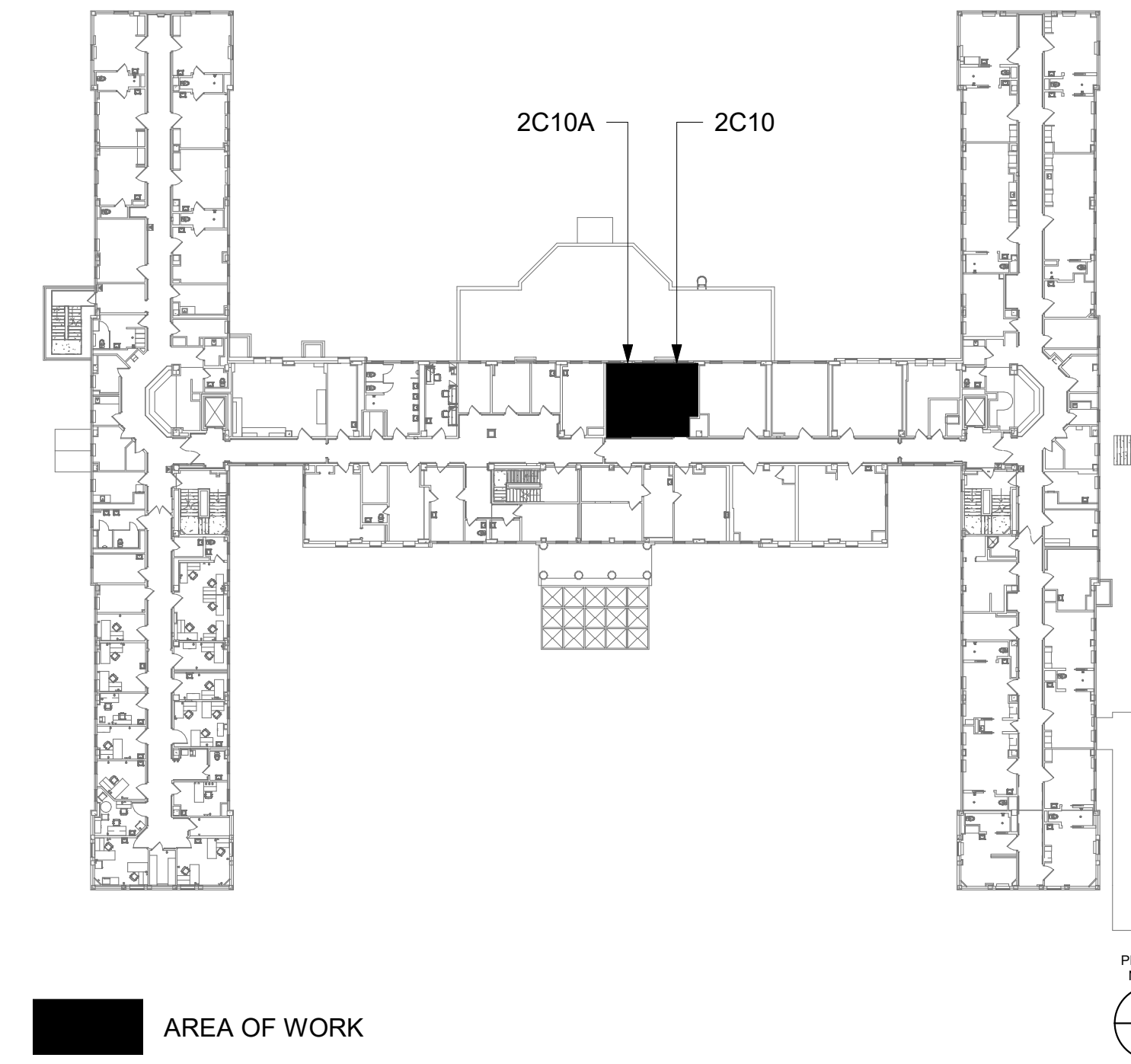
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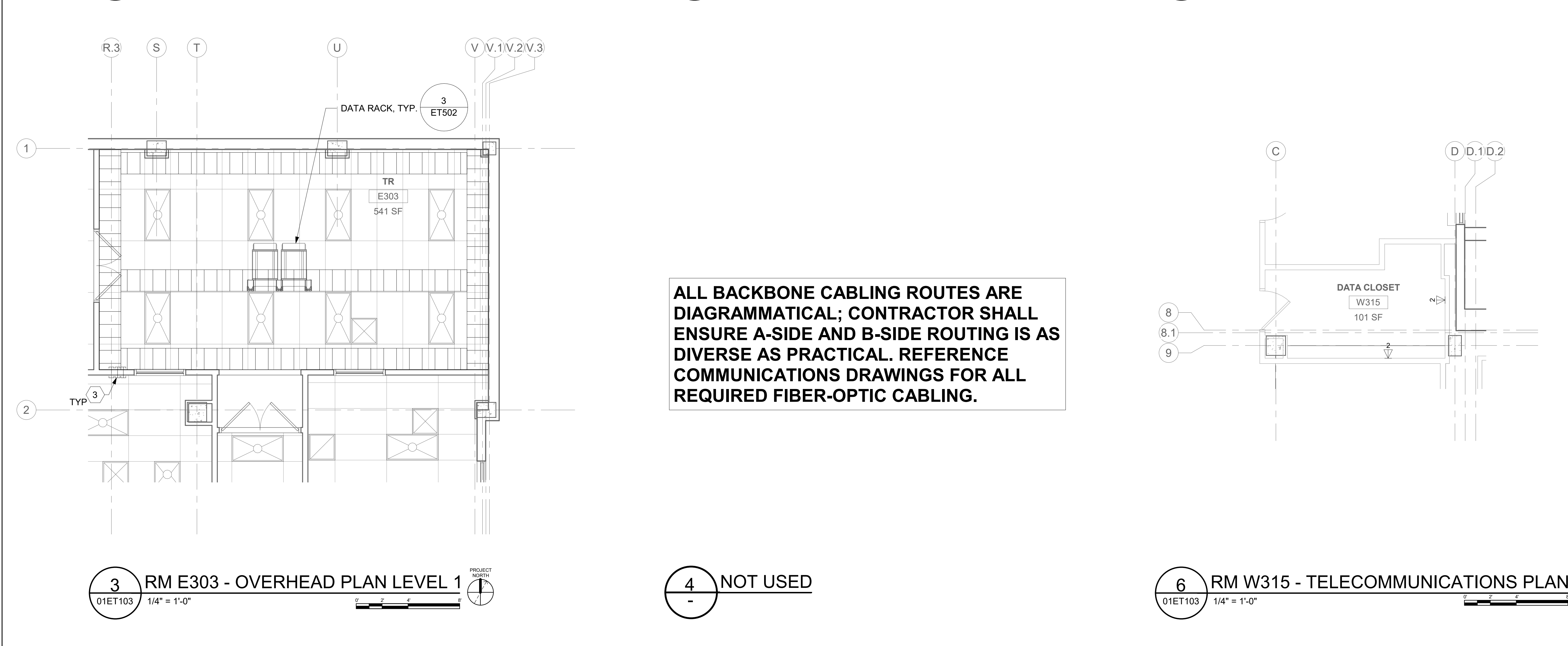
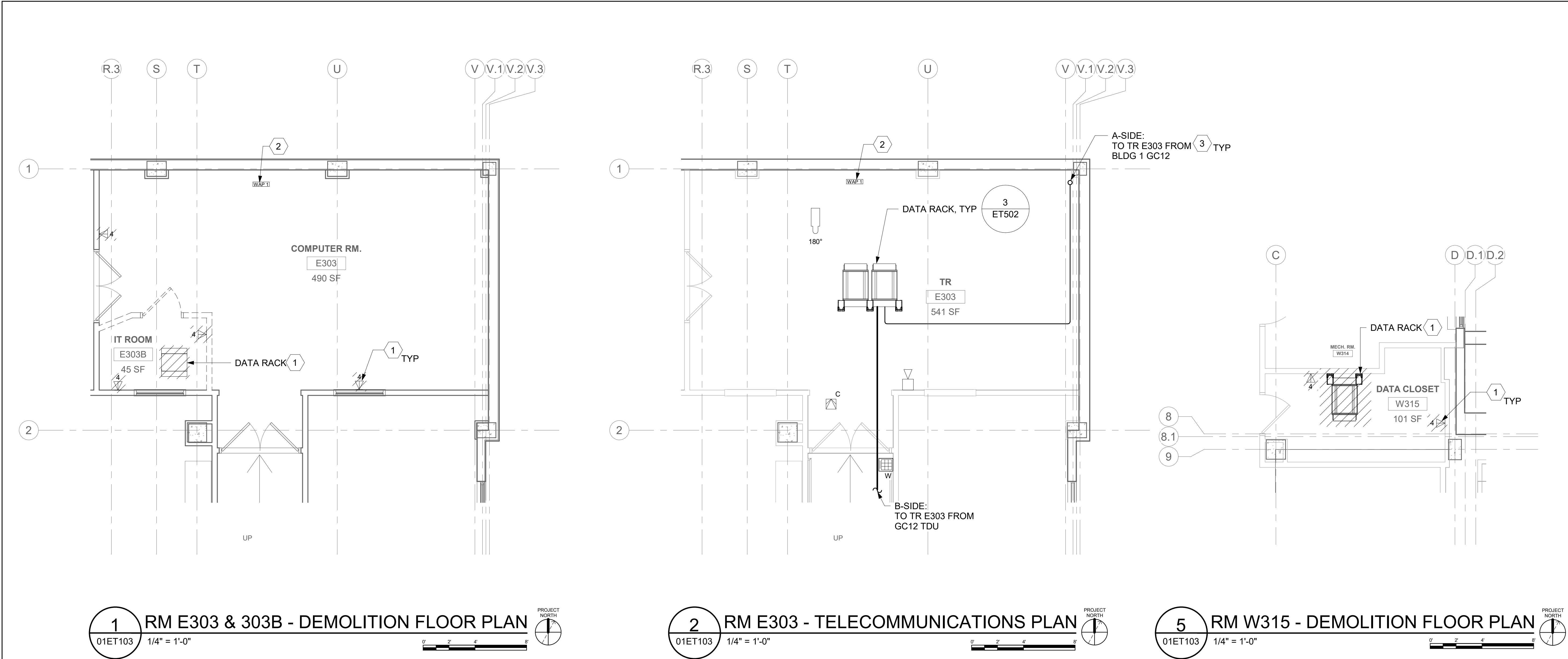
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<div>Revisions:</div>		CONSULTANT	<div>A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES</div> <div> SPEESDESIGNBUILD</div>	<div>ARCHITECT/ENGINEER OF RECORD</div> <div></div>	<div>STAMP</div> <div></div>	<div>Office of Construction and Facilities Management</div> <div> U.S. Department of Veterans Affairs</div>	<div>Drawing Title</div> <div>BLDG 01 - FLOOR 2 - ENLARGED TELECOMMUNICATION PLANS</div>	<div>Phase</div> <div>CONSTRUCTION DOCUMENTS</div>	<div>Project Title</div> <div>EHRM INFRASTRUCTURE UPGRADES</div>	<div>Project Number</div> <div>657-21-701JB</div>	
								<div>Building Number</div> <div>01</div>			
								<div>Drawing Number</div> <div>01ET402</div>			
								<div>371 OF 435</div>			
							<div>Date:</div>				



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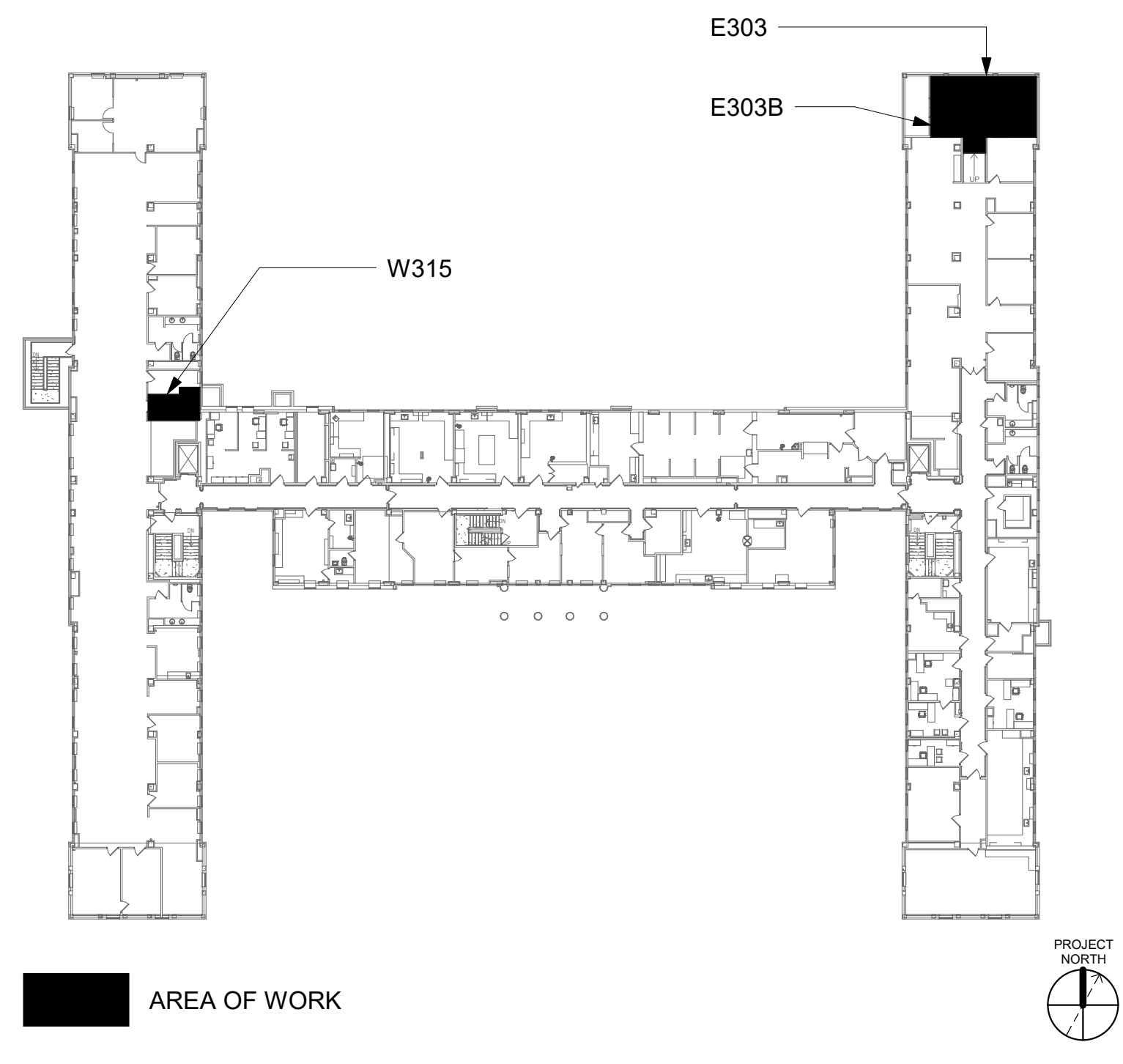
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- OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IF FIELD; DOCUMENT VARIANCES ON AS-BUILT DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING FURNITURE, INCLUDING TRANSPORTATION, FOR ALL WORK TO DESIRED VA STORAGE LOCATION. COORDINATE WITH VA AS REQUIRED.
- ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS. ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
- ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
- FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

- EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
- EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT6A CABLING.
- PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SLEEVES SHALL BE HILTI QUICK RELEASE SLEEVES, OR REVIEWED EQUAL. REFERENCE DETAIL '2' ON SHEET ET503 FOR ADDITIONAL INFORMATION.

KEY PLAN



<div>Revisions:</div>		<div>Date:</div>		CONSULTANT		<div>A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES</div> <div>SPEESDESIGNBUILD</div>		<div>ARCHITECT/ENGINEER OF RECORD</div> <div></div>		<div>STAMP</div> <div><div>Office of Construction and Facilities Management</div><div>VAU.S. Department of Veterans Affairs</div></div>		<div>Drawing Title</div> <div>BLDG 01 - FLOOR 3 - ENLARGED TELECOMMUNICATION PLANS</div> <div>Approved:</div>		<div>Phase</div> <div>CONSTRUCTION DOCUMENTS</div> <div>FULLY SPRINKLERED</div>		<div>Project Title</div> <div>EHRM INFRASTRUCTURE UPGRADES</div> <div>Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO</div> <div>Issue Date 03/31/2022</div> <div>Checked LRL/WNM</div> <div>Drawn JGE/JBB</div>		<div>Project Number</div> <div>657-21-701JB</div> <div>Building Number</div> <div>01</div> <div>Drawing Number</div> <div>01ET403a</div> <div>372 OF 435</div>	

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