

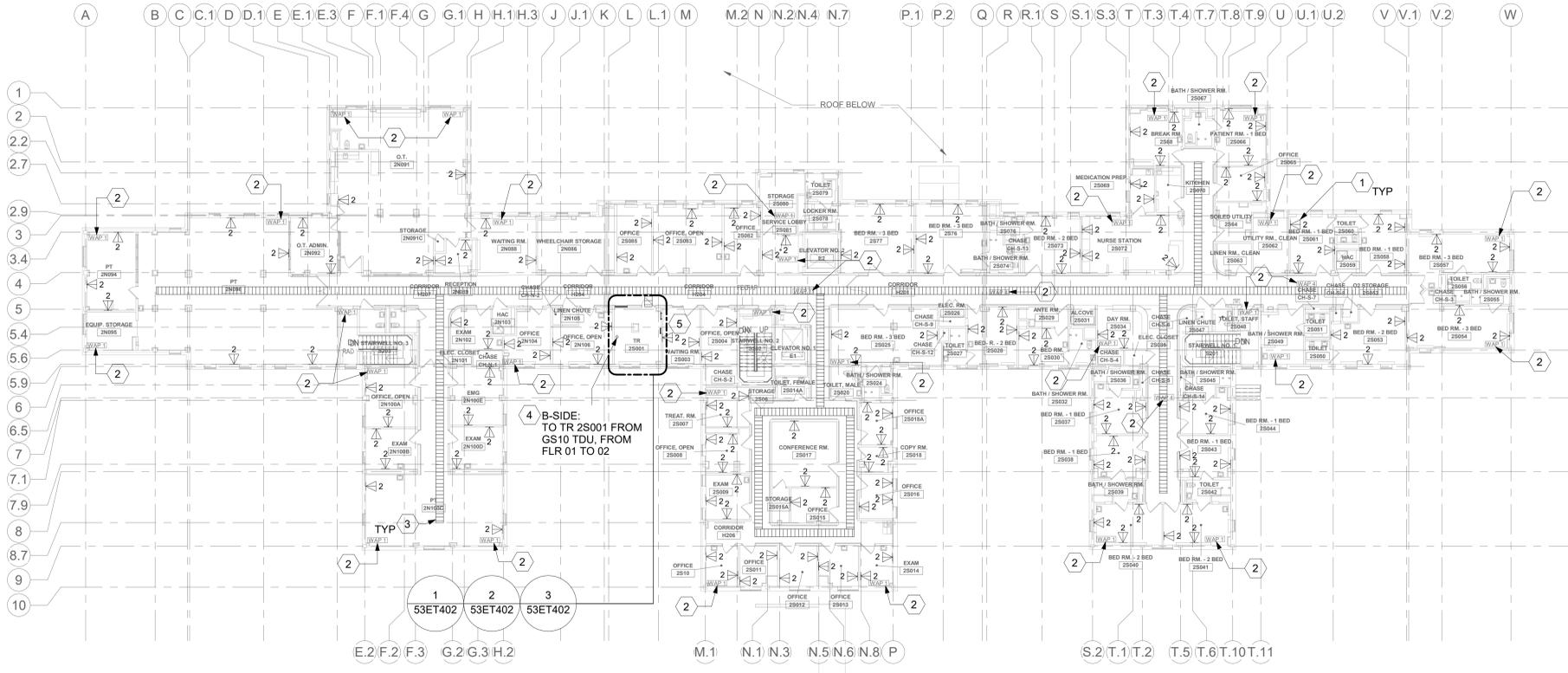
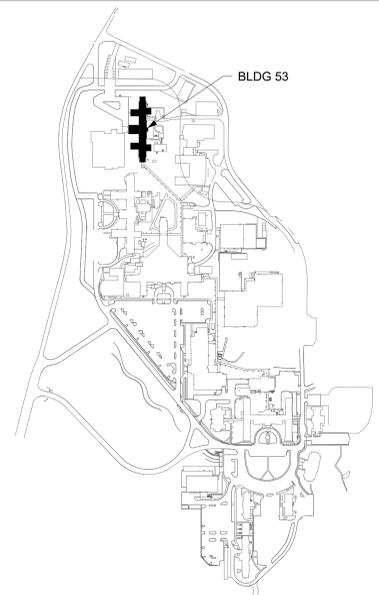
GENERAL NOTES

- 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. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
- 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 IN 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.
- EXISTING WIRELESS ACCESS POINT RE-FED WITH CAT6A CABLING.
- 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.
- FIBER-OPTIC CABLE VERTICAL ROUTING; COORDINATE EXACT LOCATIONS PRIOR TO INSTALLATION. UTILIZE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AND ALL REQUIRED APPURTENANCES AS REQUIRED. REFERENCE DETAIL 2 ON SHEET ET503 FOR ADDITIONAL INFORMATION.
- UTILIZE EXISTING PACS SECURITY HEAD END LOCATION FOR NEW OR RELOCATED PACS SECURITY TR EQUIPMENT; UPGRADE OR MODIFY EXISTING HEAD END LOCATION AS REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL TR PACS SECURITY SYSTEM. PROVIDE EQUIPMENT, RACEWAYS, AND CABLING AS REQUIRED. COORDINATE WITH VA PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY EXACT HEAD END LOCATION AS REQUIRED.

KEY PLAN



DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM 2S001.

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.

1 BLDG 53 - FLOOR 2 - TELECOMMUNICATIONS PLAN
1/16" = 1'-0"



Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	LOUIS R. LITZKO STATE OF WASHINGTON 55081 3-1-22 REGISTERED PROFESSIONAL ENGINEER	VA U.S. Department of Veterans Affairs	BLDG 53 - FLOOR 2 - TELECOMMUNICATION PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
					Approved:	FULLY SPRINKLERED	Location	Building Number
							ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	53
							Issue Date	Drawing Number
							03/31/2022	53ET102
							Checked	341 OF 435
							LRL/WNM	
							JGE/JBB	

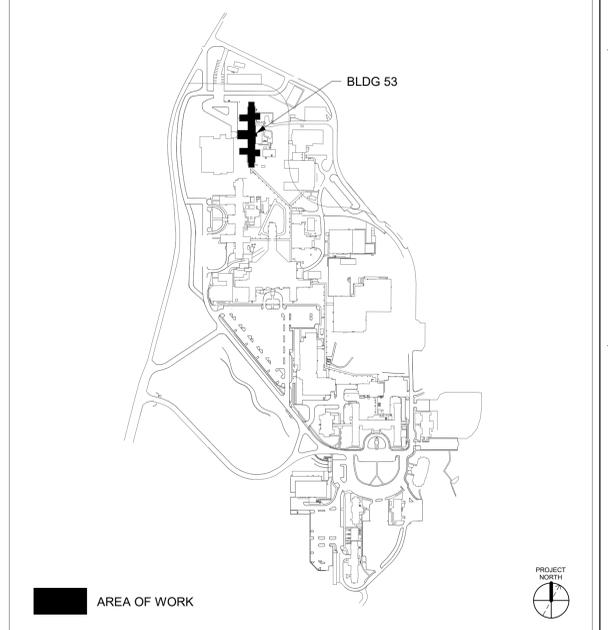
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3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE UPGRADED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
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13. 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.

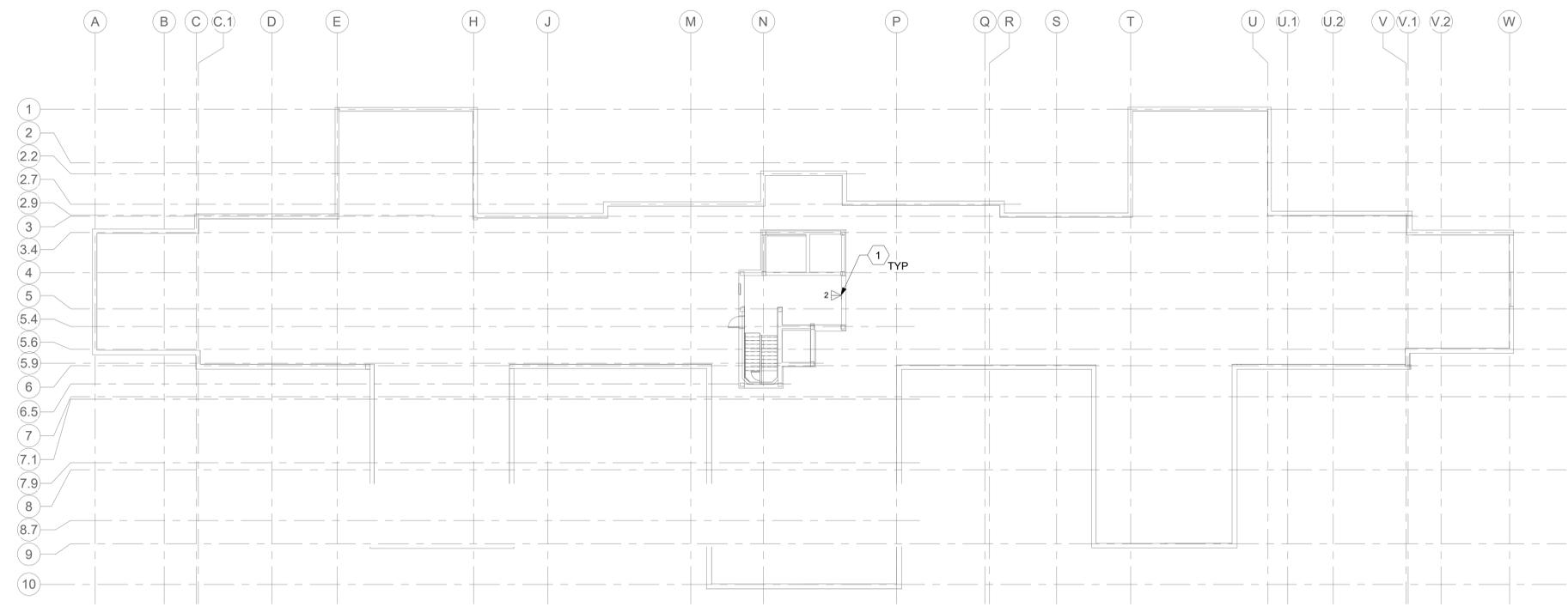
KEY NOTES

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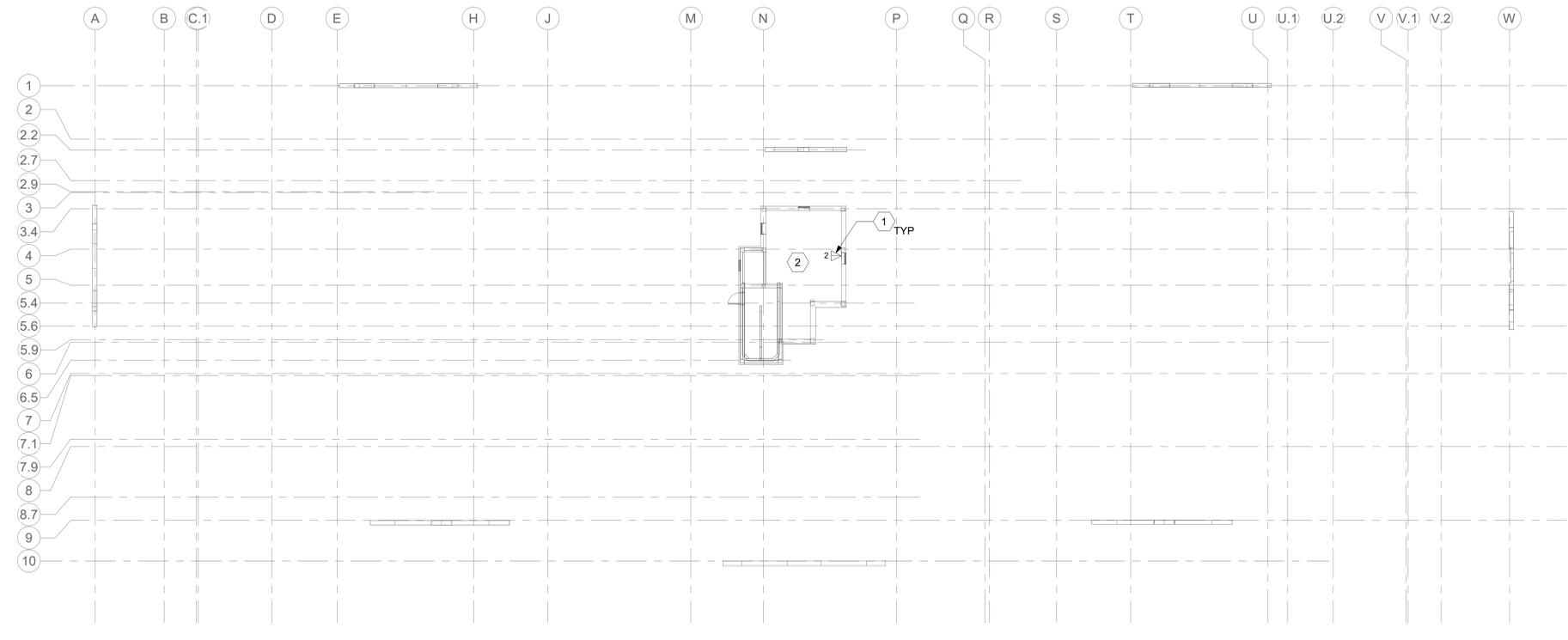
KEY PLAN



1 BLDG 53-PENTHOUSE 01 TELECOMMUNICATIONS PLAN
1/16" = 1'-0"



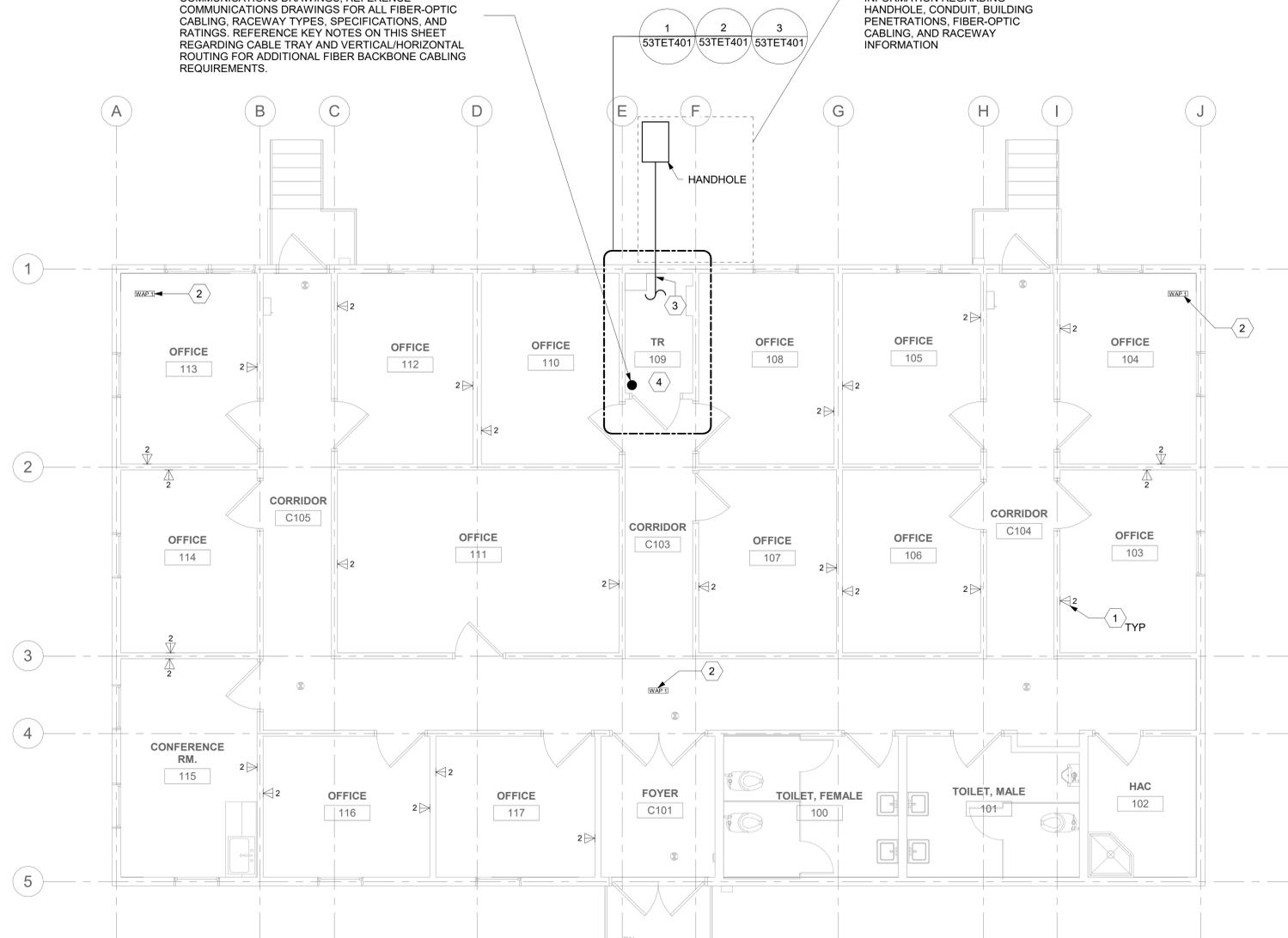
2 BLDG 53-PENTHOUSE 02 TELECOMMUNICATIONS PLAN
1/16" = 1'-0"



Revisions:	Date:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number	
					VA U.S. Department of Veterans Affairs	BLDG 53 - PENTHOUSE TELECOMMUNICATION PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB	
			A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	LOUIS R. LITZIG STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER		Approved:	FULLY SPRINKLERED	Location	Drawing Number	
								ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	53ET103	
								Issue Date	Checked	Drawn
								03/31/2022	LRU/WNM	JGE/JBB
										342 OF 435

EXISTING SIDE-A FIBER-OPTIC BACKBONE BUILDING ENTRY POINT (APPROXIMATE LOCATION). ROUTE FIBER-OPTIC CABLES TO TRs AS INDICATED ON COMMUNICATIONS DRAWINGS; REFERENCE COMMUNICATIONS DRAWINGS FOR ALL FIBER-OPTIC CABLING, RACEWAY TYPES, SPECIFICATIONS, AND RATINGS. REFERENCE KEY NOTES ON THIS SHEET REGARDING CABLE TRAY AND VERTICAL/HORIZONTAL ROUTING FOR ADDITIONAL FIBER BACKBONE CABLING REQUIREMENTS.

SIDE-B FIBER-OPTIC BACKBONE: REFERENCE COMMUNICATION SHEETS FOR ADDITIONAL INFORMATION REGARDING HANDHOLE, CONDUIT, BUILDING PENETRATIONS, FIBER-OPTIC CABLING, AND RACEWAY INFORMATION



DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM 109.

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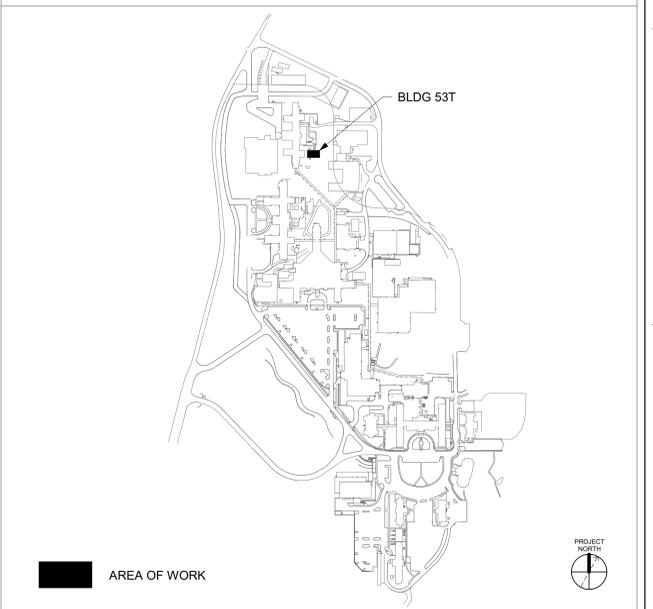
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KEY PLAN



1 BLDG 53T - FLOOR 1 - TELECOMMUNICATIONS PLAN
1/4" = 1'-0"

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 	Drawing Title BLDG 53T - FLOOR 1 - TELECOMMUNICATIONS PLAN	Phase CONSTRUCTION DOCUMENTS	Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 657-21-701JB	
				Approved:	Fully Sprinklered FULLY SPRINKLERED	Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	Building Number 53T	
Revisions:	Date:			Issue Date 03/31/2022	Checked LRL/WNM	Drawn JGE/JBB	Drawing Number 53TET101	
							343 OF 435	

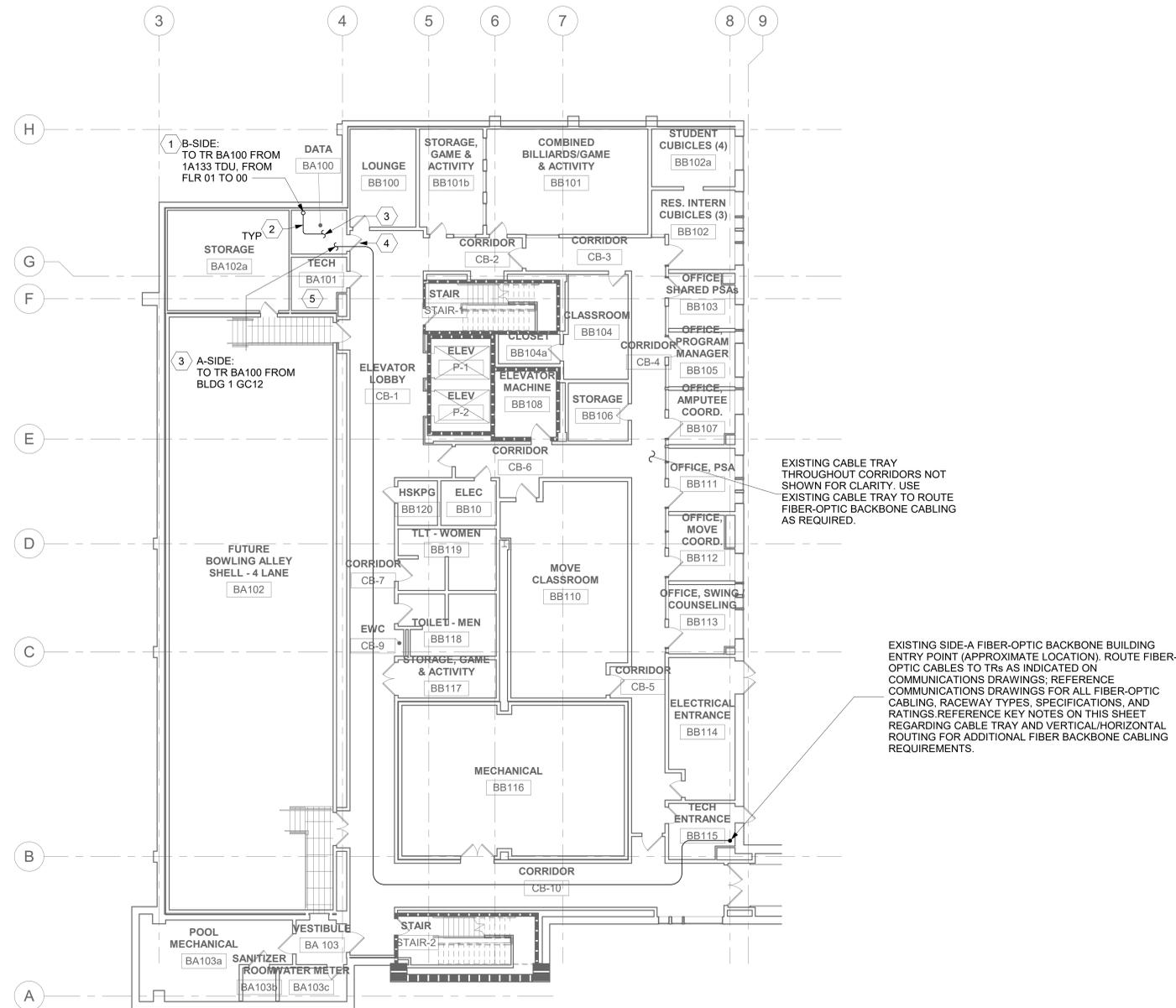
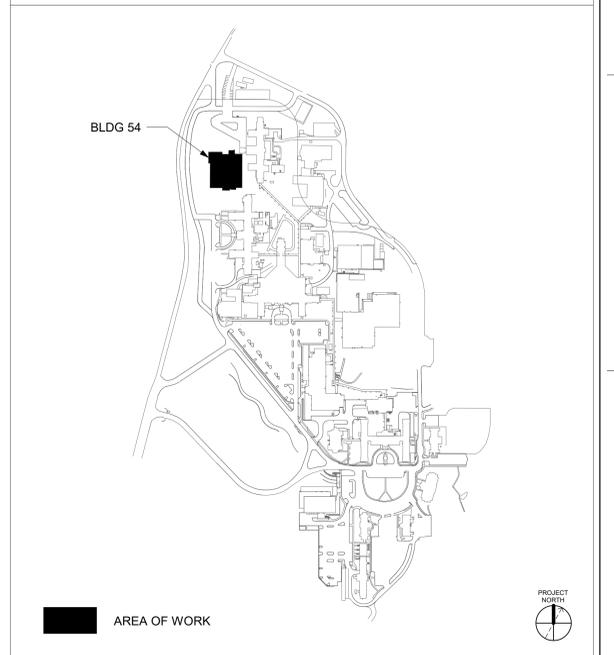
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- TERMINATE B-SIDE FIBER-OPTIC CABLE TO EXISTING TR RACK AS REQUIRED.
- CONTRACTOR SHALL ASSUME AT LEAST 10 LINEAR-FEET OF EXISTING CABLE TRAY WILL BE REQUIRED TO BE MODIFIED/REPLACED AT EACH TR.
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1 BLDG 54 - FLOOR 0 - TELECOMMUNICATIONS PLAN
3/32" = 1'-0"

CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Drawing Title		Phase		Project Title		Project Number	
		A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES				BLDG 54 - FLOOR 0 - TELECOMMUNICATIONS PLAN		CONSTRUCTION DOCUMENTS		EHRM INFRASTRUCTURE UPGRADES		657-21-701JB	
Revisions:		Date:				Approved:		FULLY SPRINKLERED		Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO		Building Number 54	
										Issue Date 03/31/2022		Drawing Number 54ET100	
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										Drawn JGE/JBB			

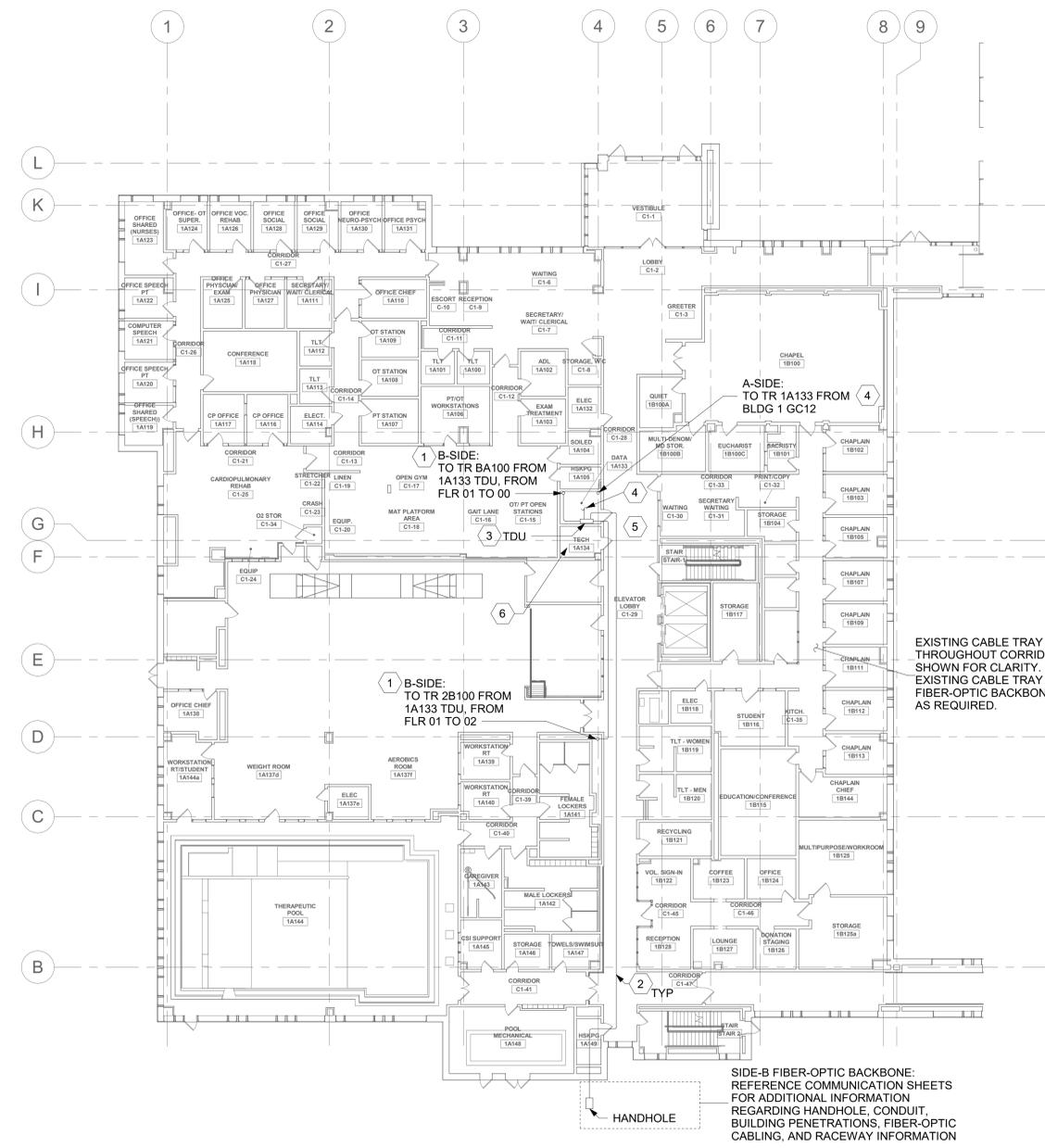
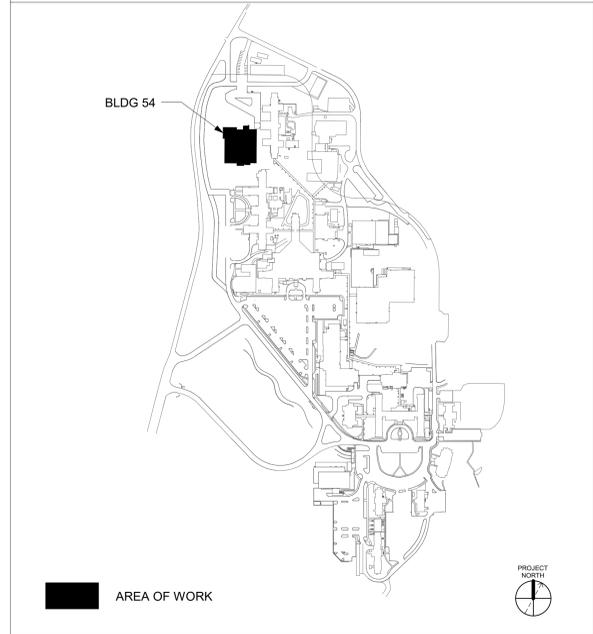
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- CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING FURNITURE, INCLUDING TRANSPORTATION, FOR ALL WORK TO DESIRED VA STORAGE LOCATION. COORDINATE WITH VA AS REQUIRED.
- ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT 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

- FIBER-OPTIC CABLE VERTICAL ROUTING; COORDINATE EXACT LOCATIONS PRIOR TO INSTALLATION. UTILIZE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AND ALL REQUIRED APPURTENANCES AS REQUIRED. REFERENCE DETAIL 2 ON SHEET ET503 FOR ADDITIONAL INFORMATION.
- FIBER-OPTIC CABLE HORIZONTAL ROUTING SHALL BE CONCEALED ABOVE DROP CEILING WHEREVER POSSIBLE. UTILIZE CABLE TRAY AS APPLICABLE. PROVIDE CONDUIT SLEEVES WITH FIREPROOFING AS REQUIRED WHERE WALL PENETRATIONS ARE REQUIRED. REFERENCE DETAIL 2 ON SHEET ET503 FOR ADDITIONAL INFORMATION.
- TUBE DISTRIBUTION UNIT (TDU). REFERENCE COMMUNICATION DRAWINGS FOR ADDITIONAL INFORMATION.
- TERMINATE A-SIDE AND B-SIDE FIBER-OPTIC CABLE TO EXISTING TR RACK AS REQUIRED.
- CONTRACTOR SHALL ASSUME AT LEAST 10 LINEAR-FEET OF EXISTING CABLE TRAY WILL BE REQUIRED TO BE MODIFIED/REPLACED AT EACH TR.
- UTILIZE EXISTING PACS SECURITY HEAD END LOCATION FOR NEW OR RELOCATED PACS SECURITY TR EQUIPMENT. UPGRADE OR MODIFY EXISTING HEAD END LOCATION AS REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL TR PACS SECURITY SYSTEM. PROVIDE EQUIPMENT, RACEWAYS, AND CABLING AS REQUIRED. COORDINATE WITH VA PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY EXACT HEAD END LOCATION AS REQUIRED.

KEY PLAN



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.

1 BLDG 54 - FLOOR 1 - TELECOMMUNICATIONS PLAN
1/16" = 1'-0"

Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES		VA U.S. Department of Veterans Affairs	BLDG 54 - FLOOR 1 - TELECOMMUNICATIONS PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
					Approved:	FULLY SPRINKLERED	Location	Building Number
							ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	54
							Issue Date	Drawing Number
							03/31/2022	54ET101
							Checked	Drawn
							LRU/WNM	JGE/JBB
								345 OF 435

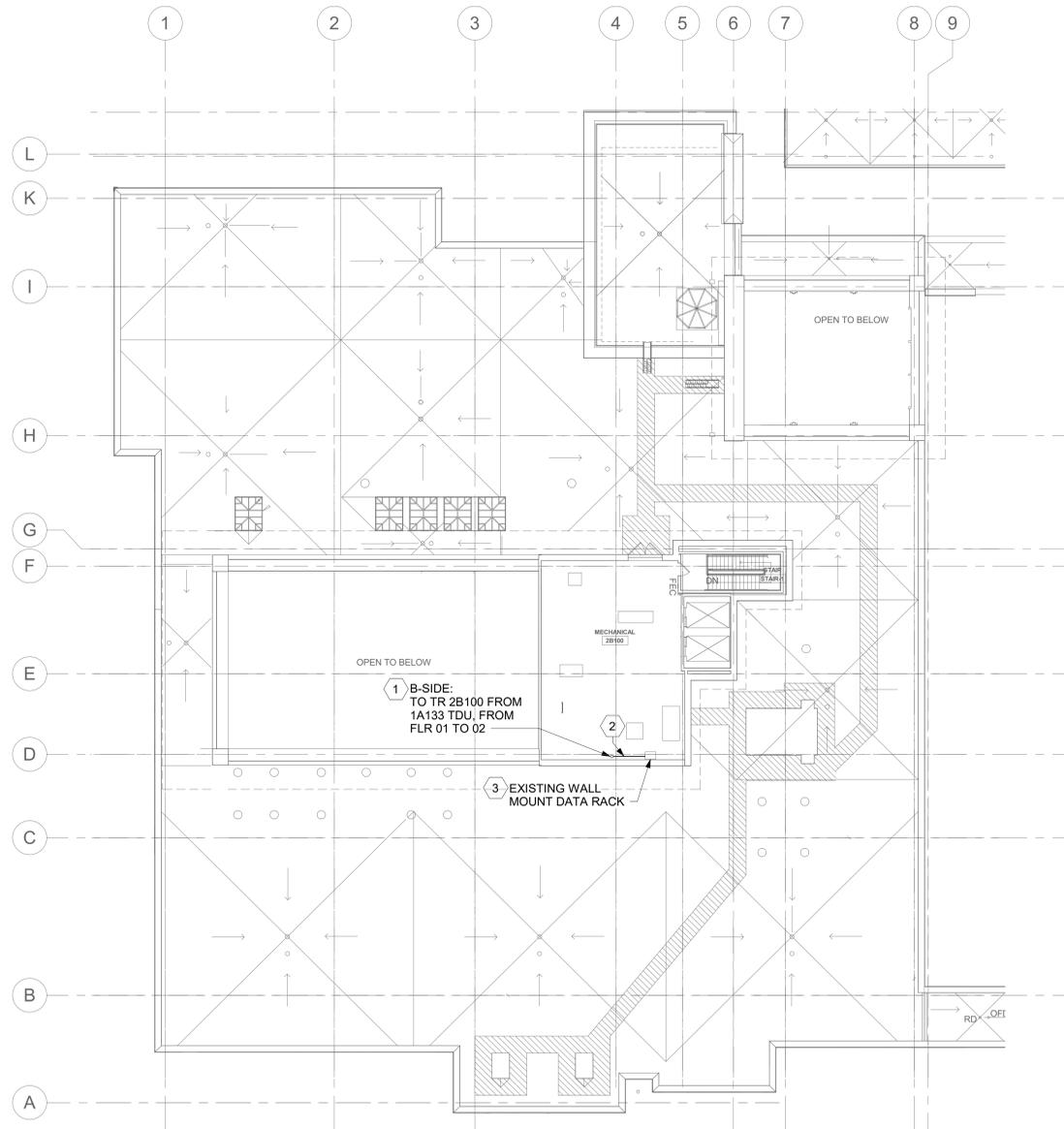
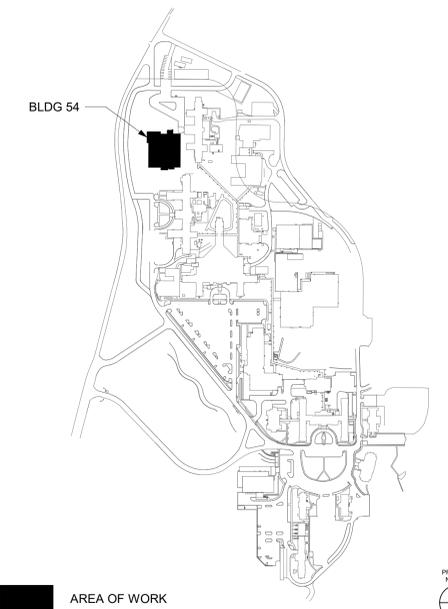
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- PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
- SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
- TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED 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.
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KEY PLAN



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1 BLDG 54 - FLOOR 2 - TELECOMMUNICATIONS PLAN
1/16" = 1'-0"
PROJECT NORTH

Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES			BLDG 54 - FLOOR 2 - TELECOMMUNICATIONS PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
					Approved:	FULLY SPRINKLERED	Location	Building Number
							ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	54
							Issue Date	Drawing Number
							03/31/2022	54ET102
							Checked	346 OF 435
							LRJ/WNM	
							Drawn	
							JGE/JBB	

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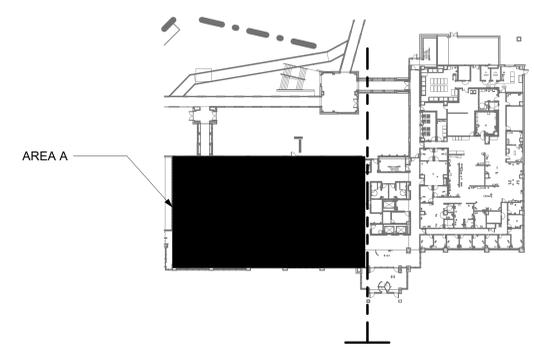
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- OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES ON AS-BUILT DRAWINGS.
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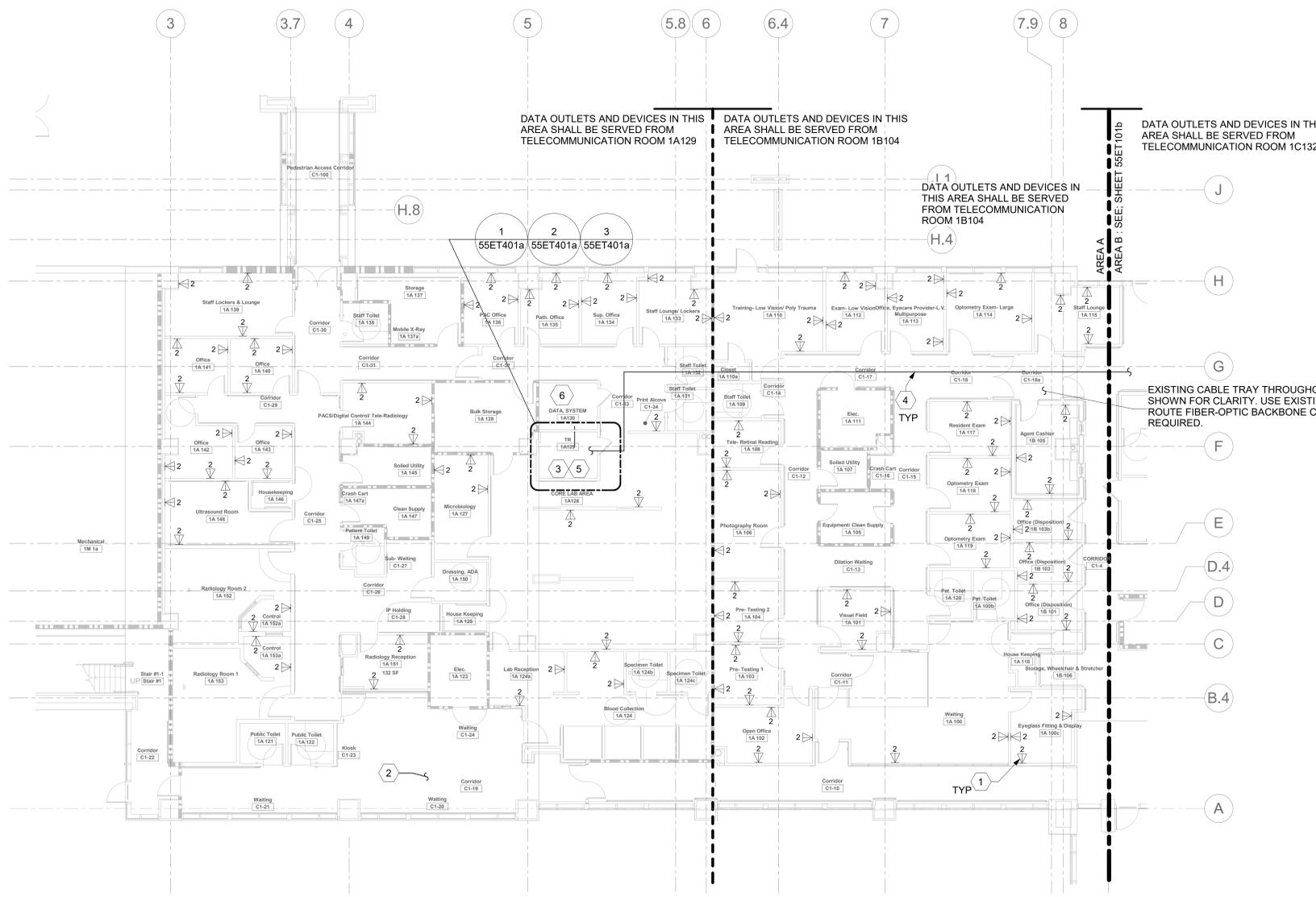
KEY NOTES

- PROVIDE TELECOMMUNICATIONS OUTLET WITH PORT QUANTITY SHOWN TO REPLACE EXISTING TELECOMMUNICATIONS OUTLET; EXISTING OUTLET CONDUIT SHALL REMAIN AND BE UTILIZED TO FEED NEW CABLEING; REFERENCE SHEET DETAIL '1' ON SHEET ET503 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.
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KEY PLAN



AREA OF WORK



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

1 BLDG 55 - FLOOR 1 - AREA A - TELECOMMUNICATIONS PLAN
 1" = 10'-0"
 PROJECT NORTH

Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES		VA U.S. Department of Veterans Affairs	BLDG 55 - FLOOR 1 - AREA A - TELECOMMUNICATIONS PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
					Approved:	FULLY SPRINKLERED	Location	Building Number
							ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	55
							Issue Date	Drawing Number
							03/31/2022	55ET101a
							Checked	Drawn
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								347 OF 435

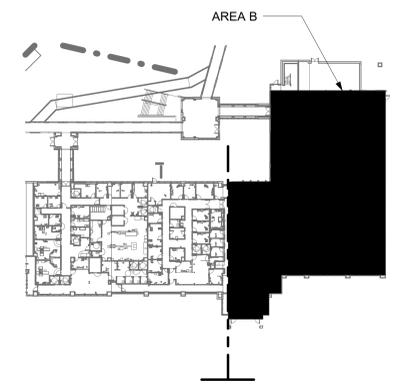
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- SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
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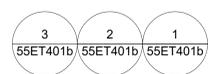
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KEY PLAN



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.



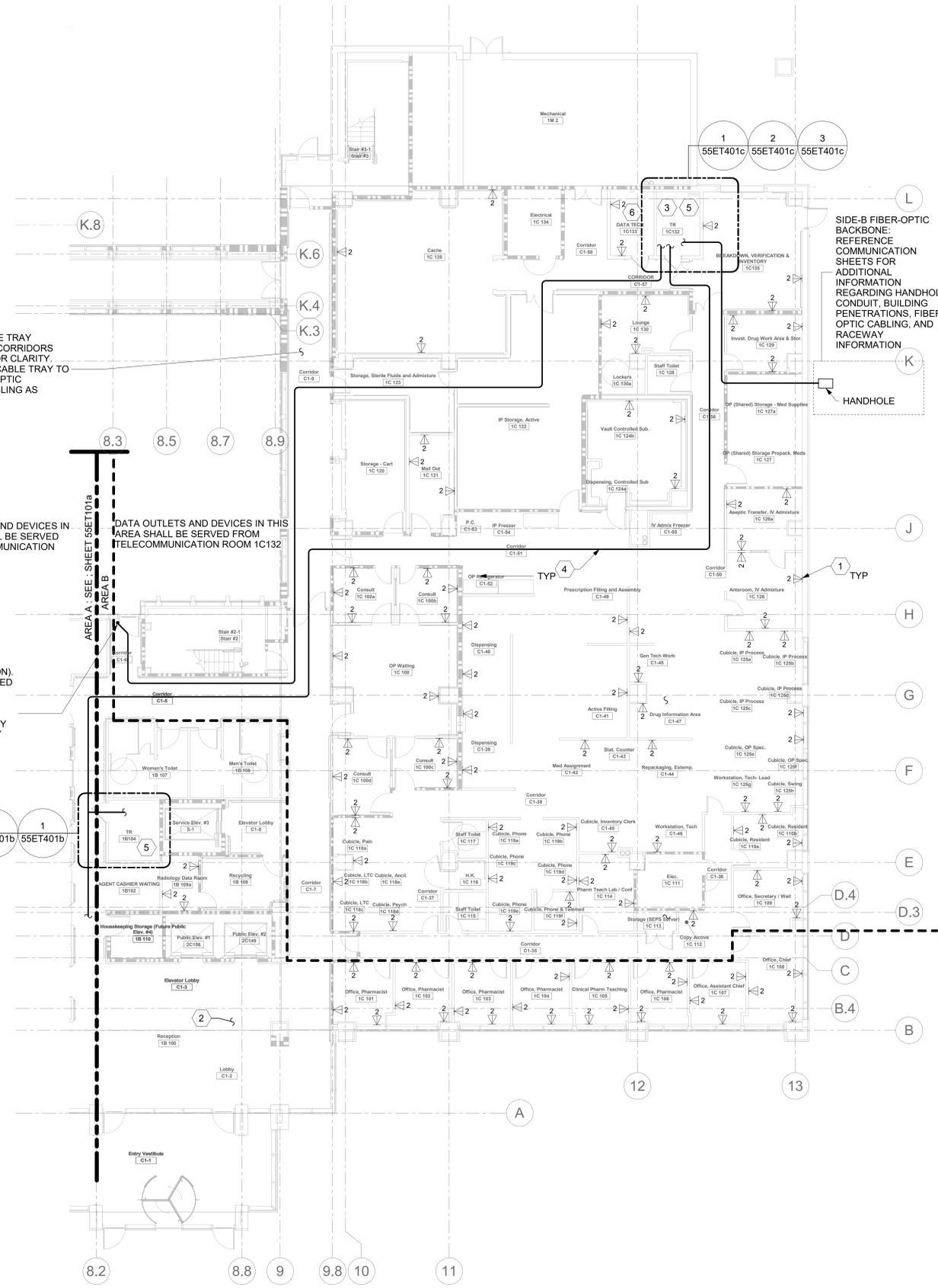
EXISTING SIDE-A FIBER-OPTIC BACKBONE BUILDING ENTRY POINT (APPROXIMATE LOCATION). ROUTE FIBER-OPTIC CABLES TO TRS AS INDICATED ON COMMUNICATIONS DRAWINGS; REFERENCE COMMUNICATIONS DRAWINGS FOR ALL FIBER-OPTIC CABLING, RACEWAY TYPES, SPECIFICATIONS, AND RATINGS. REFERENCE KEY NOTES ON THIS SHEET REGARDING CABLE TRAY AND VERTICAL/HORIZONTAL ROUTING FOR ADDITIONAL FIBER BACKBONE CABLING REQUIREMENTS.

EXISTING CABLE TRAY THROUGHOUT CORRIDORS NOT SHOWN FOR CLARITY. USE EXISTING CABLE TRAY TO ROUTE FIBER-OPTIC BACKBONE CABLING AS REQUIRED.

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM 1B104

AREA A - SEE SHEET 55ET101a

SIDE-B FIBER-OPTIC BACKBONE: REFERENCE COMMUNICATION SHEETS FOR ADDITIONAL INFORMATION REGARDING HANDHOLE, CONDUIT, BUILDING PENETRATIONS, FIBER-OPTIC CABLING, AND RACEWAY INFORMATION



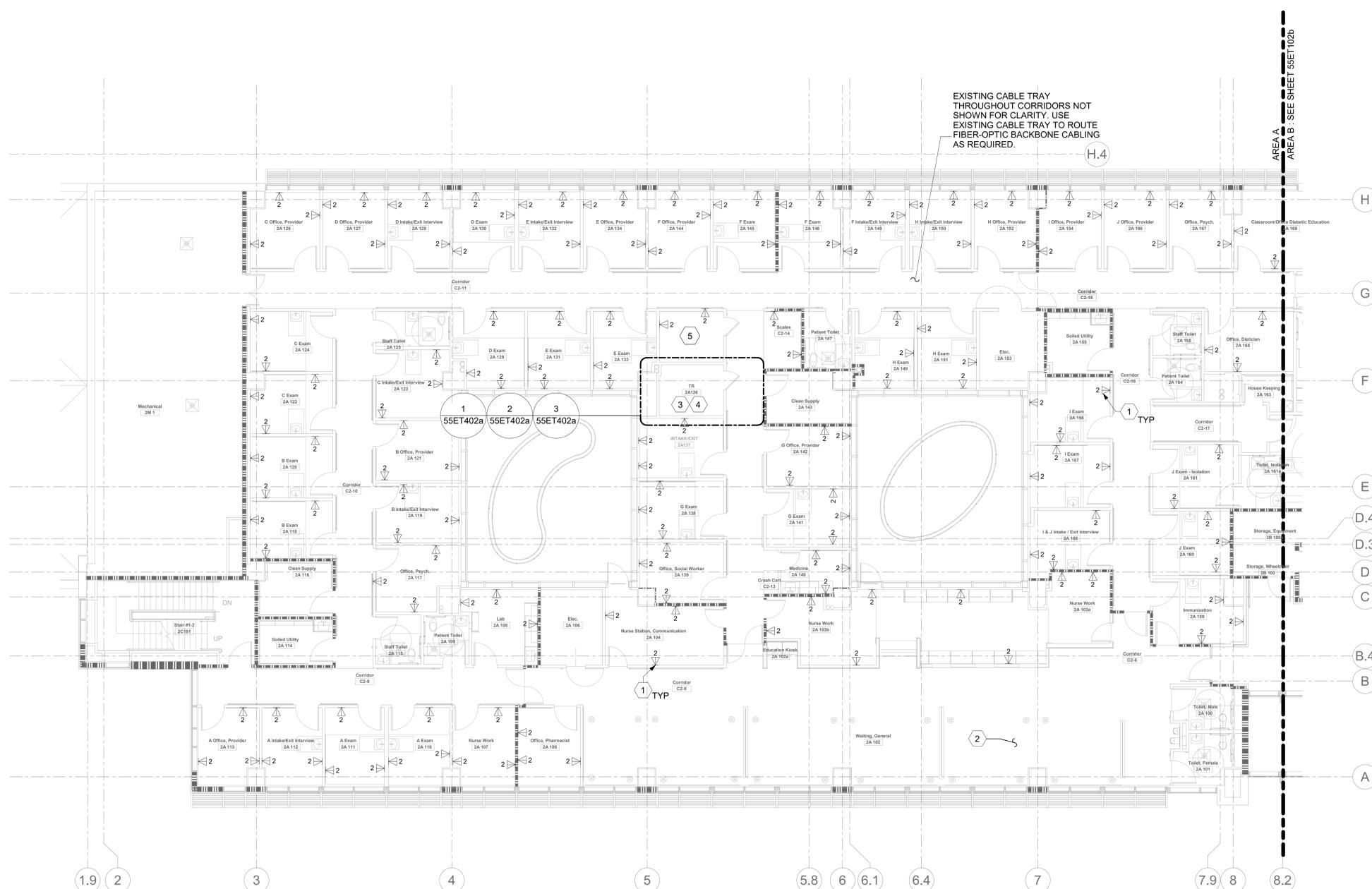
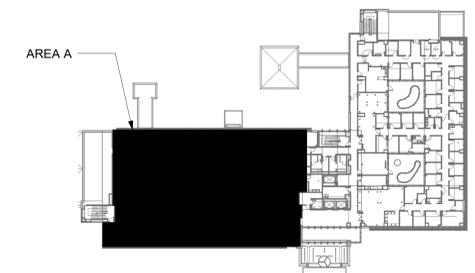
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- PROVIDE TELECOMMUNICATIONS OUTLET WITH PORT QUANTITY SHOWN TO REPLACE EXISTING TELECOMMUNICATIONS OUTLET. EXISTING OUTLET CONDUIT SHALL REMAIN AND BE UTILIZED TO FEED NEW CABLING; REFERENCE SHEET DETAIL '1' ON SHEET ET503 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.
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- FIBER-OPTIC CABLE VERTICAL ROUTING; COORDINATE EXACT LOCATIONS PRIOR TO INSTALLATION. UTILIZE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AND ALL REQUIRED APPURTENANCES AS REQUIRED. REFERENCE DETAIL 2 ON SHEET ET503 FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL ASSUME AT LEAST 10 LINEAR-FEET OF EXISTING CABLE TRAY WILL BE REQUIRED TO BE MODIFIED/REPLACED AT EACH TR.
- UTILIZE EXISTING PACS SECURITY HEAD END LOCATION FOR NEW OR RELOCATED PACS SECURITY TR EQUIPMENT. UPGRADE OR MODIFY EXISTING HEAD END LOCATION AS REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL TR PACS SECURITY SYSTEM. PROVIDE EQUIPMENT, RACEWAYS, AND CABLING AS REQUIRED. COORDINATE WITH VA PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY EXACT HEAD END LOCATION AS REQUIRED.

KEY PLAN



EXISTING CABLE TRAY THROUGHOUT CORRIDORS NOT SHOWN FOR CLARITY. USE EXISTING CABLE TRAY TO ROUTE FIBER-OPTIC BACKBONE CABLING AS REQUIRED.

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM 2A136.

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.

1 BLDG 55 - FLOOR 2 - AREA A - TELECOMMUNICATIONS PLAN
1/8" = 1'-0"

Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	LOUIS R. LITZ STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER	VA U.S. Department of Veterans Affairs	BLDG 55 - FLOOR 2 - AREA A - TELECOMMUNICATIONS PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
					Approved:	FULLY SPRINKLERED	Location	Building Number
							ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	55
							Issue Date	Drawing Number
							03/31/2022	55ET102a
							Checked	Drawn
							LRU/WNM	JGE/JBB
								349 OF 435

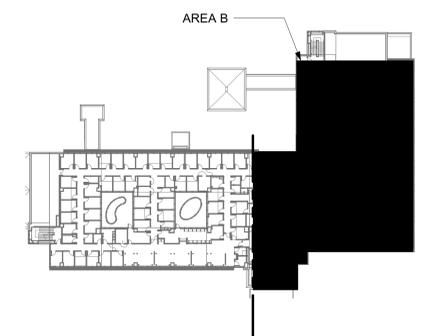
GENERAL NOTES

- 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 CONDUITORS 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 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 IN 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 ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN 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.
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KEY PLAN



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Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO		Building Number 55	
Issue Date 03/31/2022	Checked LRU/WNM	Drawn JGE/JBB	Drawing Number 55ET102b
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