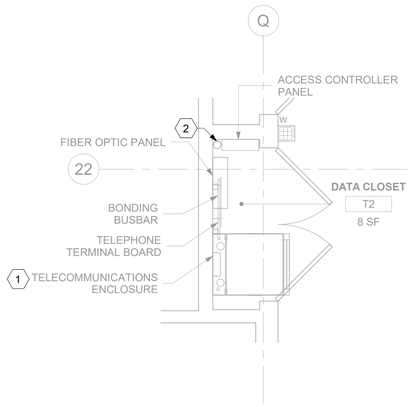
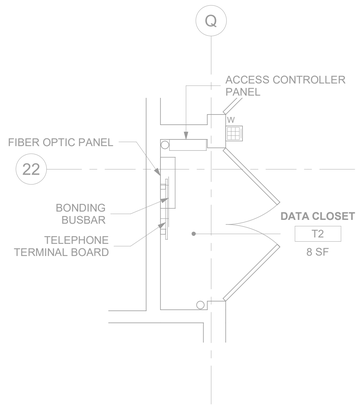
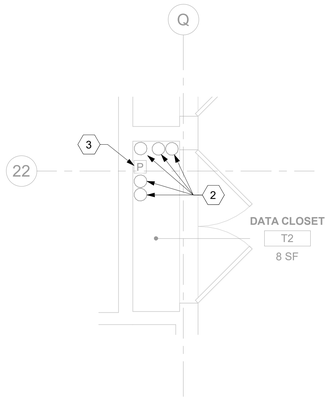


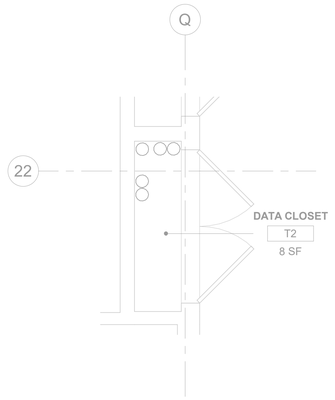
1 146TN101A RM T2 - DEMOLITION FLOOR PLAN
1/2" = 1'-0"



2 146TN101A RM T2 - TELECOMMUNICATIONS PLAN
1/2" = 1'-0"



3 146TN101A RM T2 - DEMOLITION OVERHEAD PLAN
1/2" = 1'-0"



4 146TN101A RM T2 - OVERHEAD PLAN
1/2" = 1'-0"

GENERAL NOTES

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2. 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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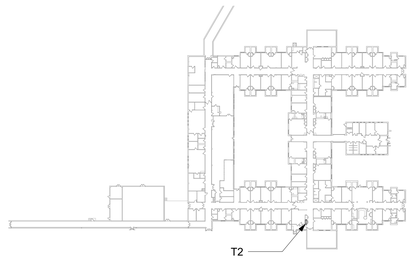

AREA SHOWN

PROJECT NORTH

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
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BICSI
Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 146 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 07/18/2025 | Checked: KG | Drawn: BCL/GPB

Project Number: 590-22-700

Building Number: 146

Drawing Number: 146TN401d

BIM 360://509-22-700
VA/Hampton EHRMEE - BLDG 146.rvt
15/07/2025 8:33:30 am

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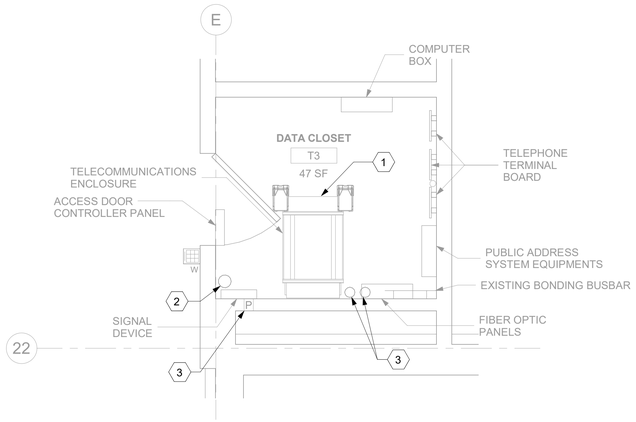
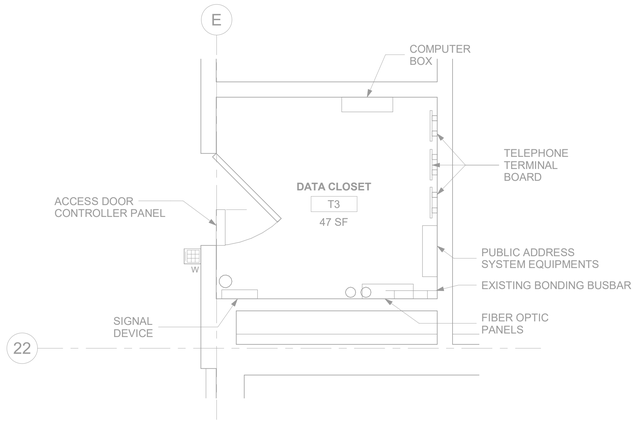


1 RM T3 - DEMOLITION FLOOR PLAN
146TN101A 1/2" = 1'-0"



2 RM T3 - TELECOMMUNICATIONS PLAN
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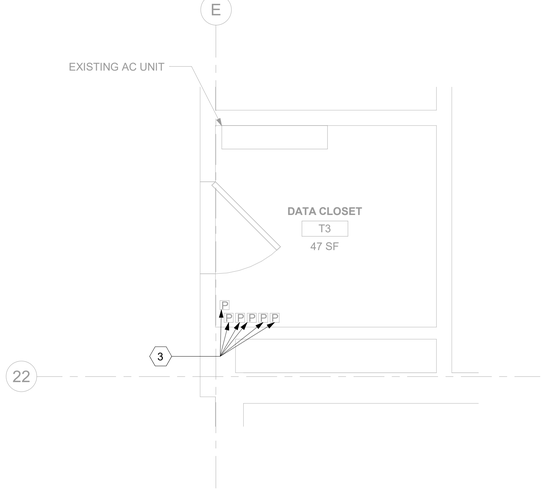

3 RM T3 - DEMOLITION OVERHEAD PLAN
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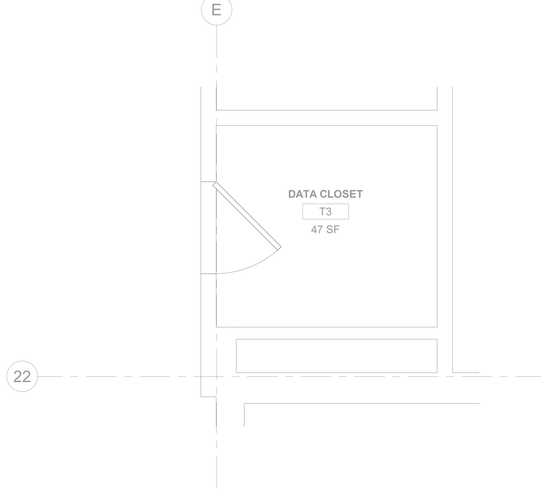

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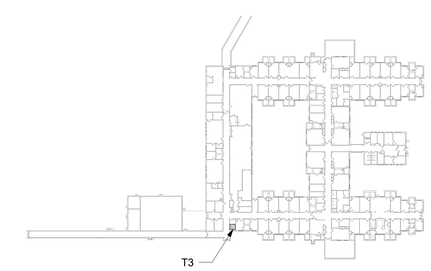

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Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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BICSI
Kris K Good
BICSI ID #112316
EXPIRES 12-31-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 146 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON		Project Number: 590-22-700
				Building Number: 146
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA		Drawing Number: 146TN401e
		Issue Date: 07/18/2025	Checked: KG	Drawn: BCL/GPB

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VAHampton EHRMEE - BLDG 146.rvt
15/07/2025 8:33:56 am

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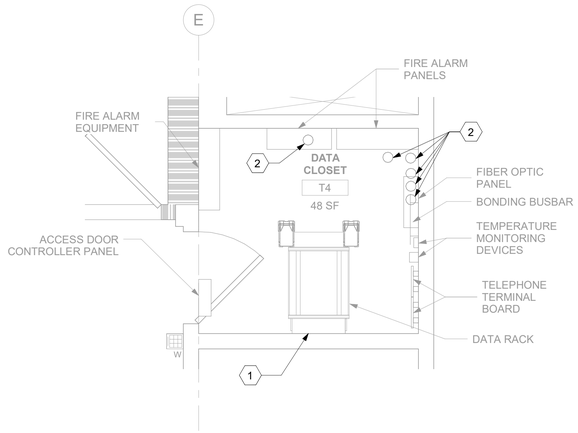
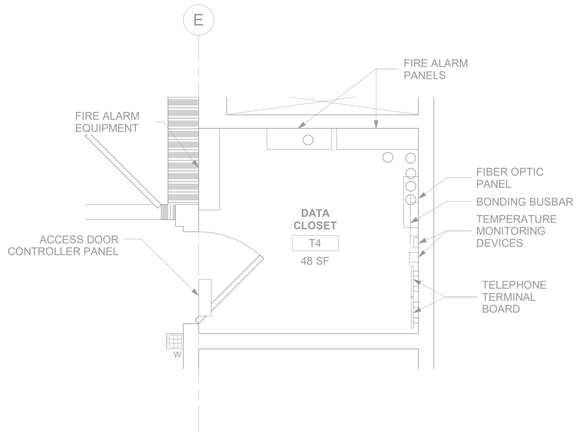


1 RM T4 - DEMOLITION FLOOR PLAN
146TN101A 1/2" = 1'-0"



2 RM T4 - TELECOMMUNICATIONS PLAN
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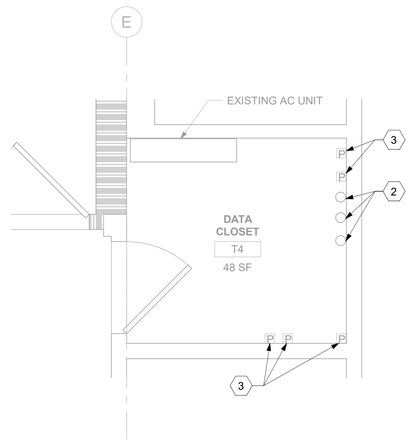
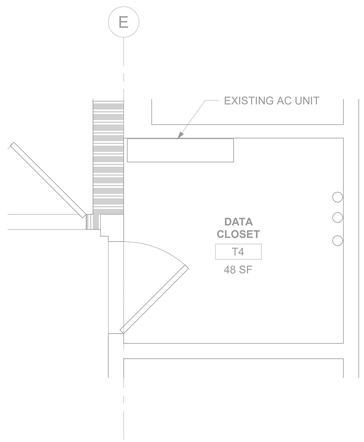


3 RM T4 - DEMOLITION OVERHEAD PLAN
146TN101A 1/2" = 1'-0"



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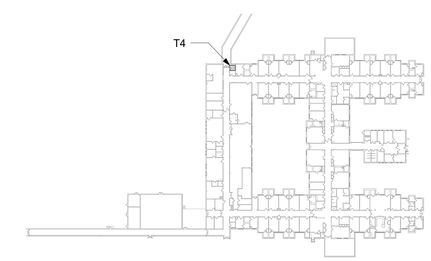

AREA SHOWN

PROJECT NORTH

Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
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Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
RCDD

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

Drawing Title	Phase	Project Title	Project Number
BLDG 146 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	590-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: 146
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	Drawing Number: 146TN401f

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15/07/2025 8:32:42 am

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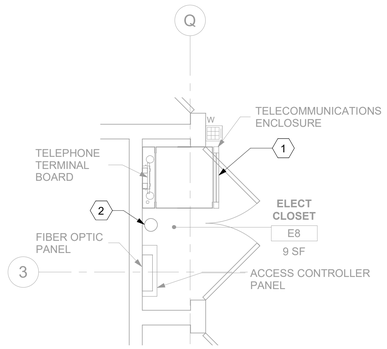

1 146TN101A RM E8 - DEMOLITION FLOOR PLAN
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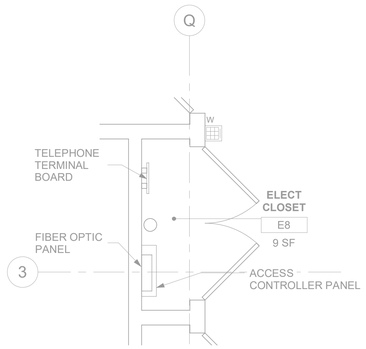

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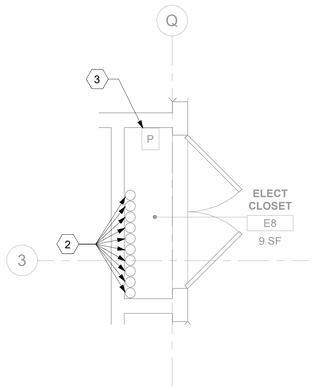

3 146TN101A RM E8 - DEMOLITION OVERHEAD PLAN
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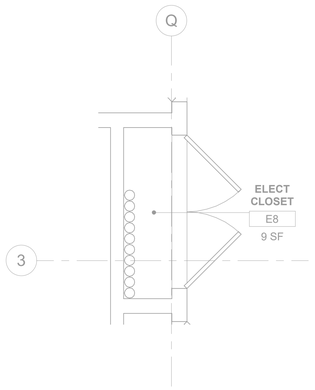

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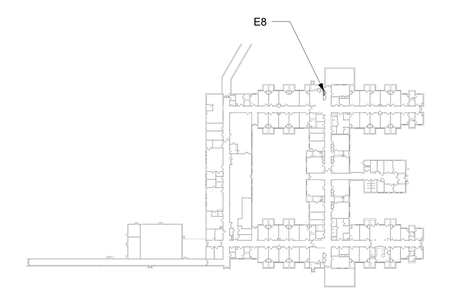

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Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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A/E:
SPEES DESIGN BUILD
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EXPIRES 12-31-27
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG 146 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	590-22-700
			Building Number: 146
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 146TN401g
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	

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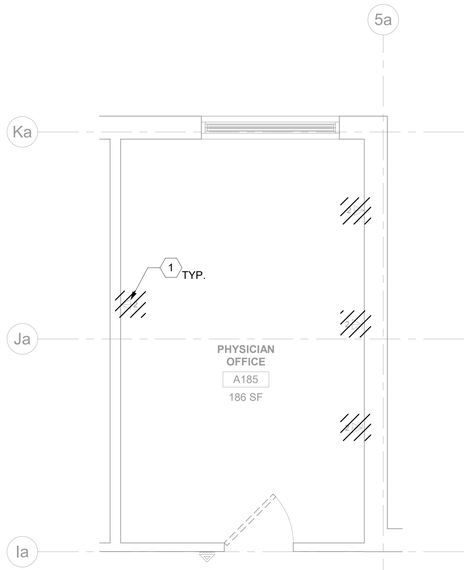
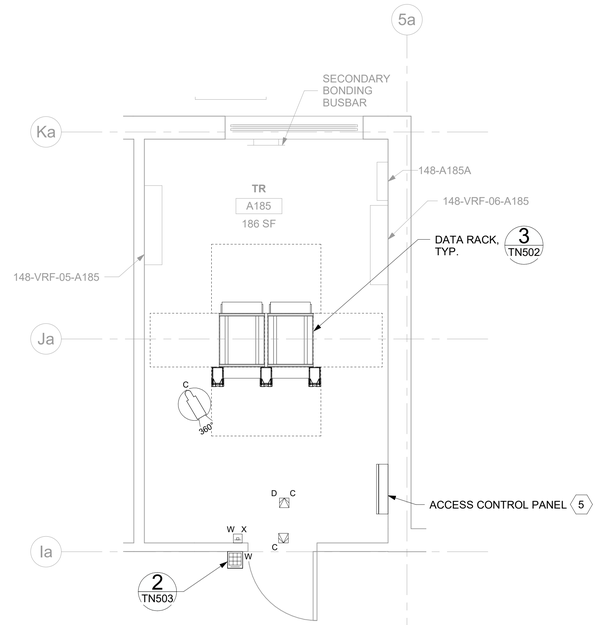
15/07/2025 8:33:43 am

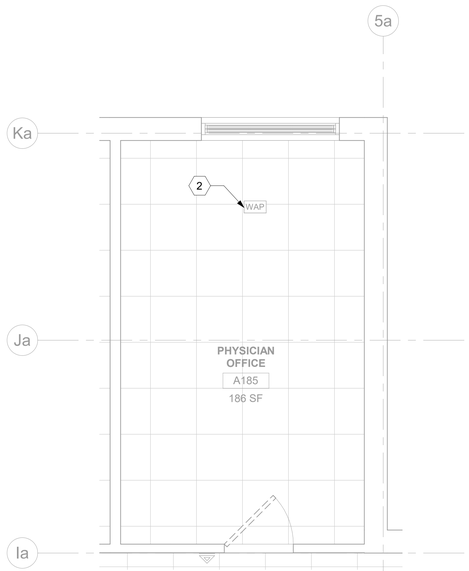
VA FORM 08 - 6231



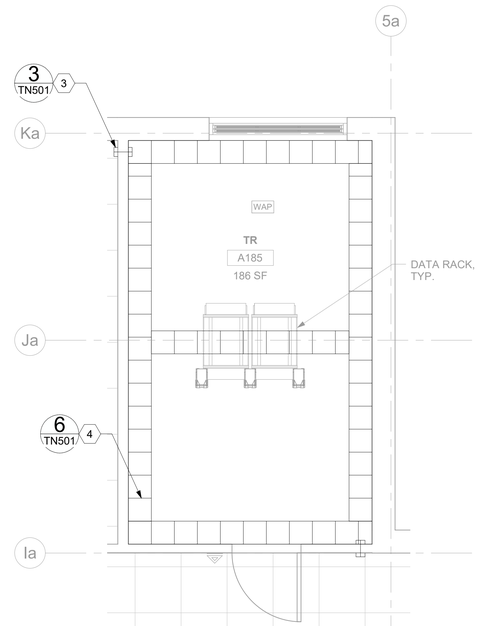
1 RM A185 - DEMOLITION FLOOR PLAN
148TN101A 3/8" = 1'-0"



2 RM A185 - TELECOMMUNICATIONS PLAN
148TN101A 3/8" = 1'-0"



3 RM A185 - DEMOLITION OVERHEAD PLAN
148TN101A 3/8" = 1'-0"



4 RM A185 - OVERHEAD PLAN
148TN101A 3/8" = 1'-0"

GENERAL NOTES

1. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES AND THE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
2. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
3. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
4. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
5. 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.
6. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 1" CONDUIT FROM NEW BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, EXTEND RACEWAY FROM OUTLET TO TR AS REQUIRED.
7. 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.
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KEY NOTES

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 (2) CAT6A CABLES.
3. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
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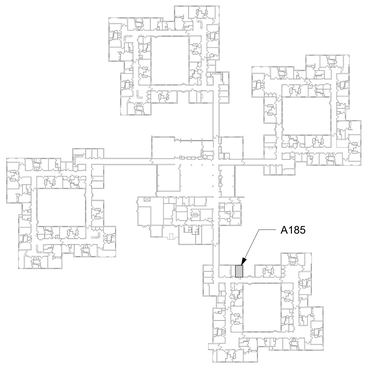
KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 203
KENT, WA 98032

STAMP
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
RCDD

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

Drawing Title: BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Issue Date: 07/18/2025
Checked: KG
Drawn: BCL/GPB
Project Number: 590-22-700
Building Number: 148
Drawing Number: 148TN401a

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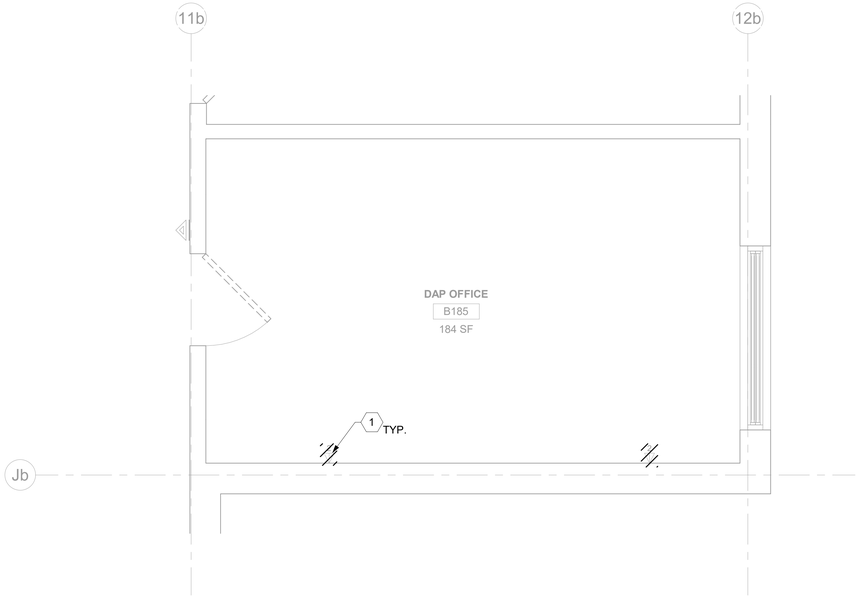
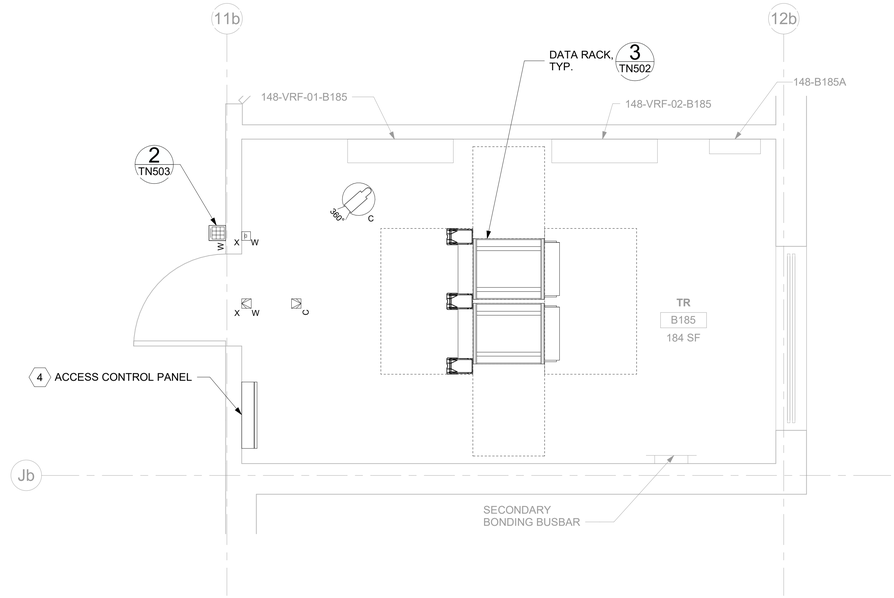
VAHampton EHRMEE - BLDG 148.rvt
15/07/2025 11:10:19 am

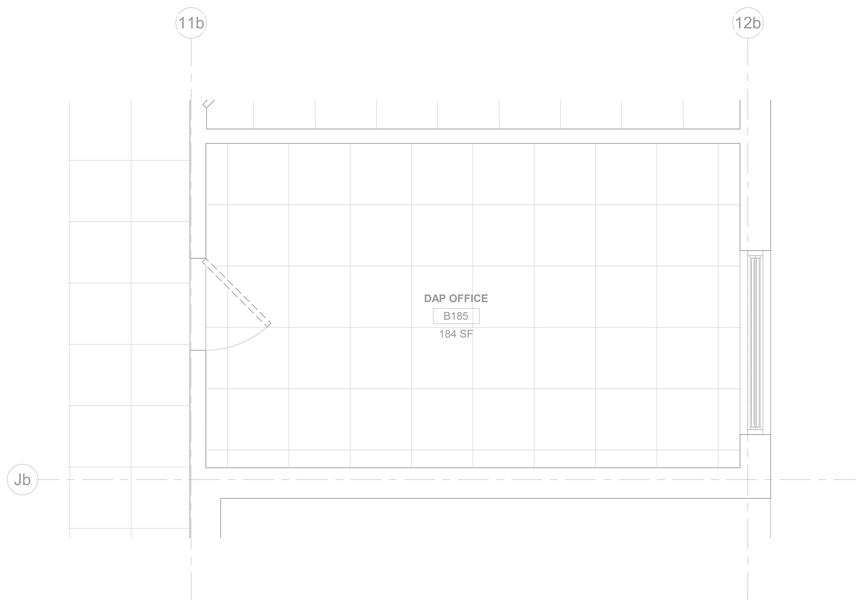
VA FORM 08 - 6231



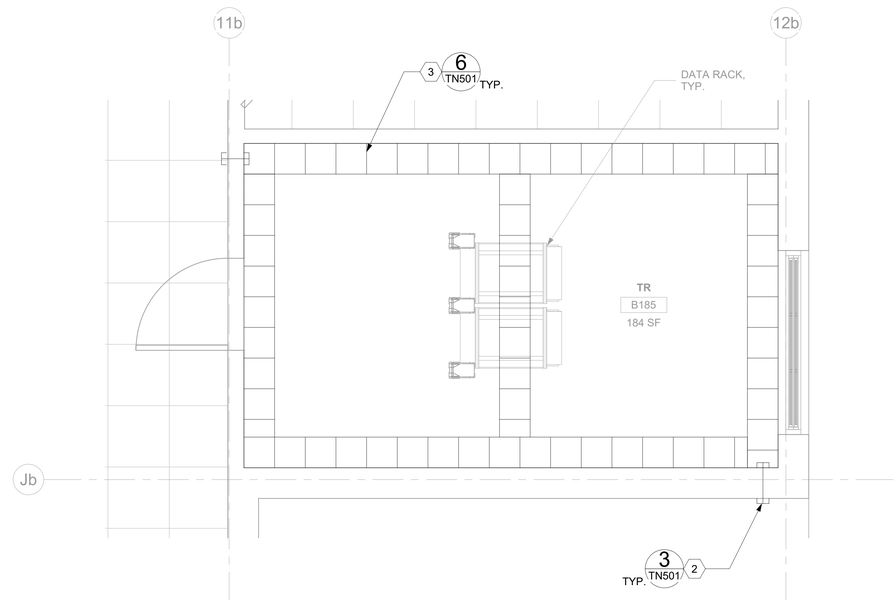
1 148TN101A RM B185 - DEMOLITION FLOOR PLAN 1/2" = 1'-0"



2 148TN101A RM B185 - TELECOMMUNICATIONS PLAN 1/2" = 1'-0"



3 148TN101A RM B185 - DEMOLITION OVERHEAD PLAN 1/2" = 1'-0"



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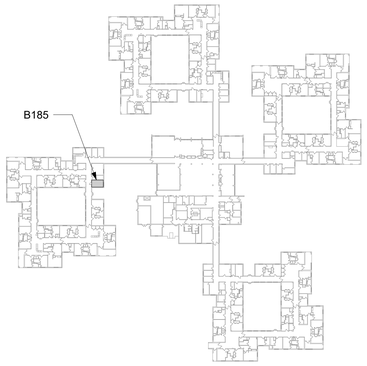
KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 203
KENT, WA 98032
SPEESDESIGNBUILD

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Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
RCDD

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

Drawing Title: BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 590-22-700
			Building Number: 148
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 148TN401b
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	606 of 713

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VA/Hampton EHRM/EE - BLDG 148.rvt
15/07/2025 11:10:30 am

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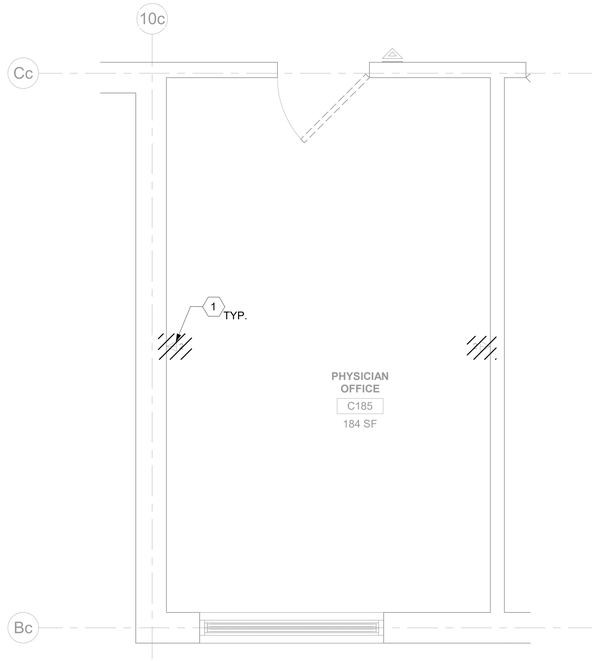
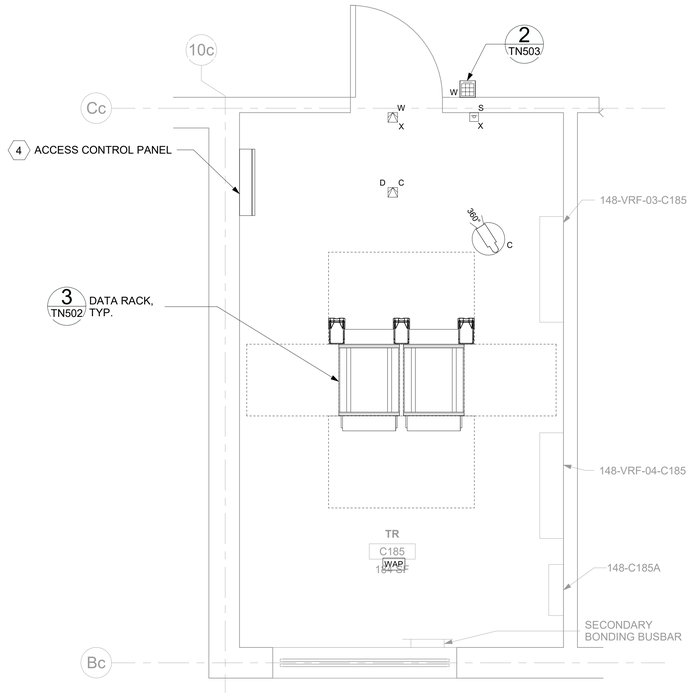
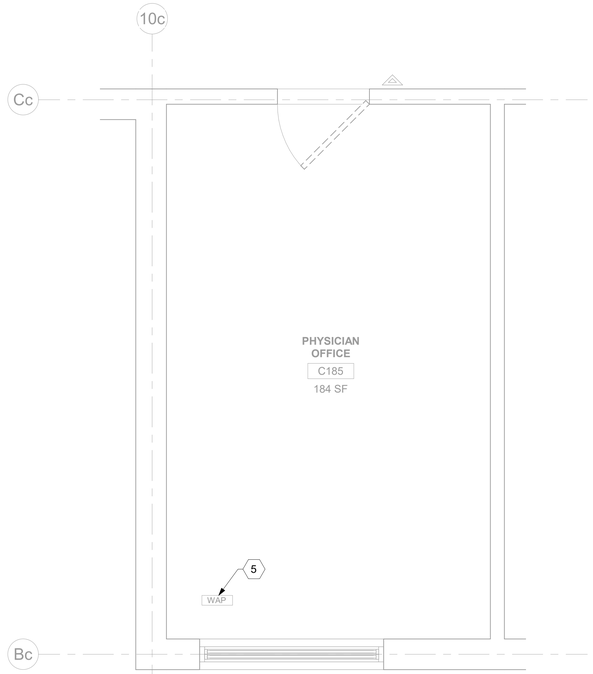


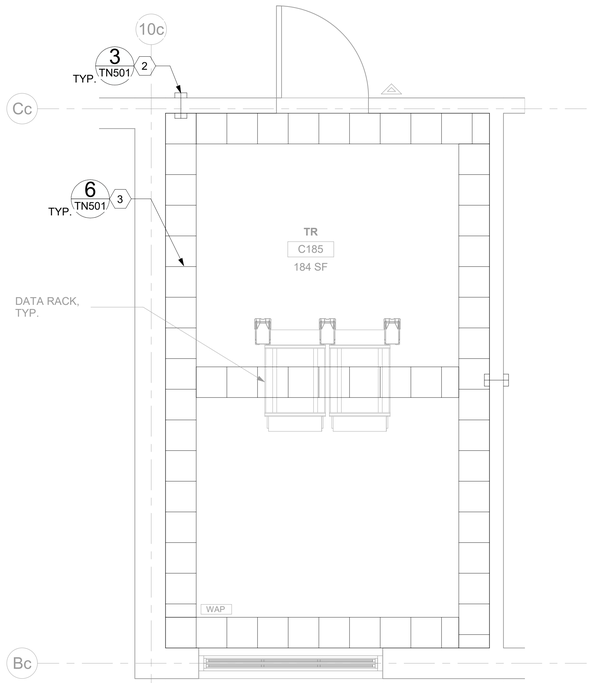
1 148TN101A RM C185 - DEMOLITION FLOOR PLAN 1/2" = 1'-0"



2 148TN101A RM C185 - TELECOMMUINCATIONS PLAN 1/2" = 1'-0"



3 148TN101A RM C185 - DEMOLITION OVERHEAD PLAN 1/2" = 1'-0"



4 148TN101A RM C185 - OVERHEAD PLAN 1/2" = 1'-0"

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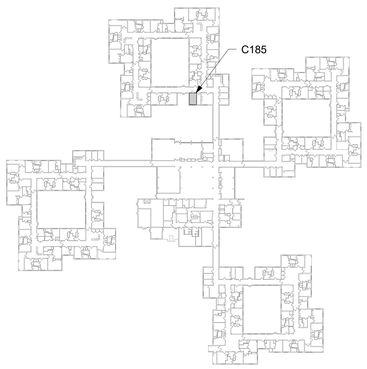
KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 203
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Office of Construction and Facilities Management

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Drawing Title: BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 590-22-700
			Building Number: 148
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 148TN401c
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	

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VA/Hampton EHRM/EE - BLDG 148.rvt
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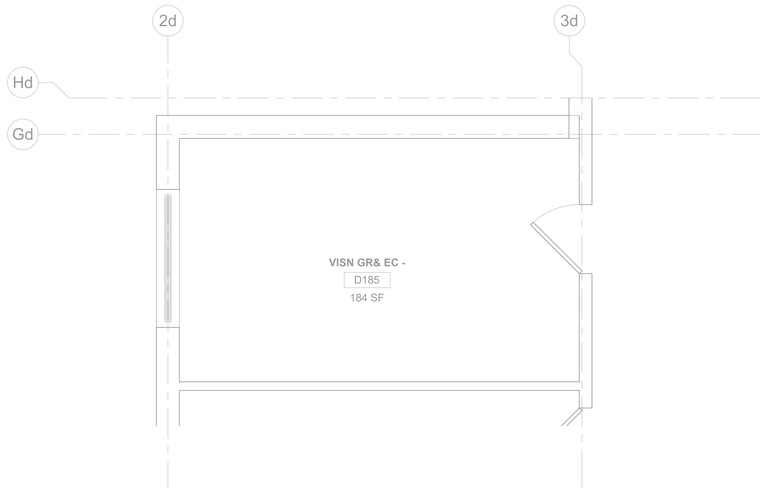
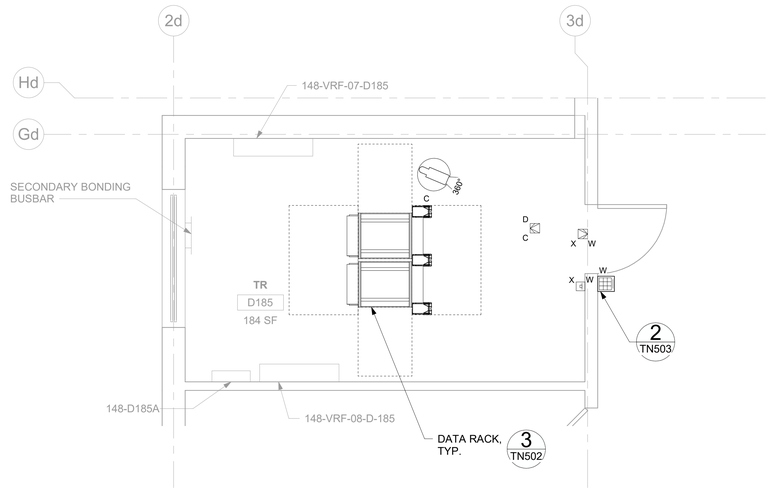


1 148TN101B RM D185 - DEMOLITION FLOOR PLAN
1" = 25'-0"



2 148TN101B RM D185 - TELECOMMUNICATIONS PLAN
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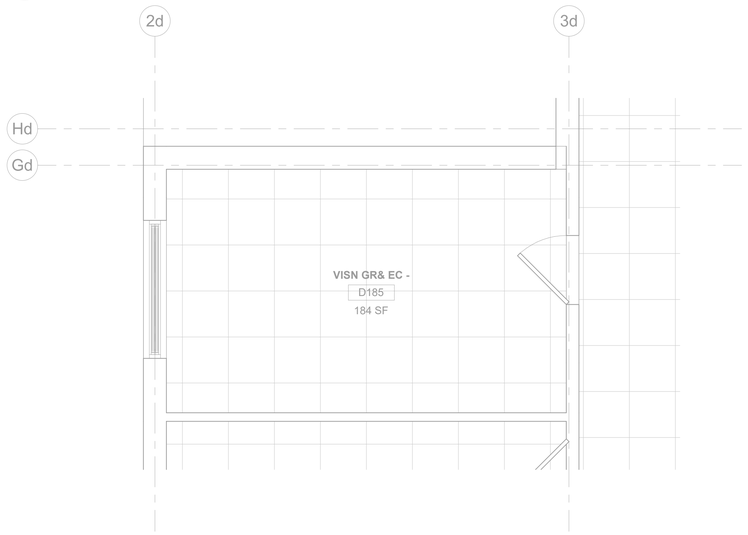

3 148TN101A RM D185 - DEMOLITION OVERHEAD PLAN
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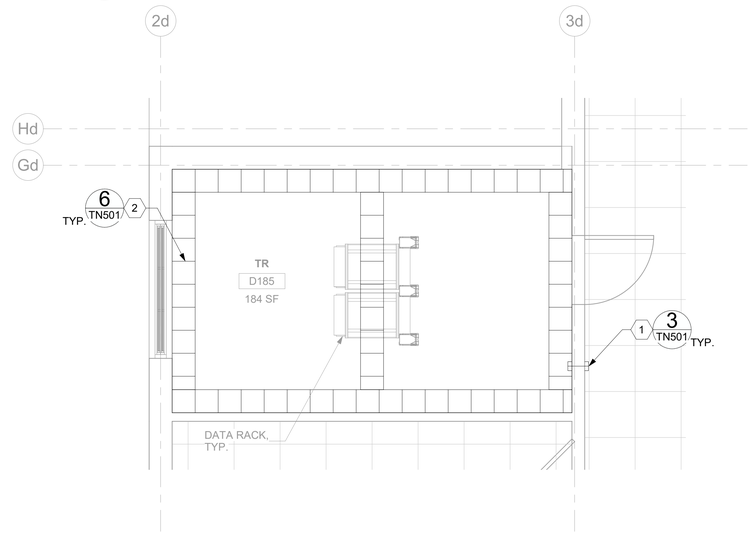

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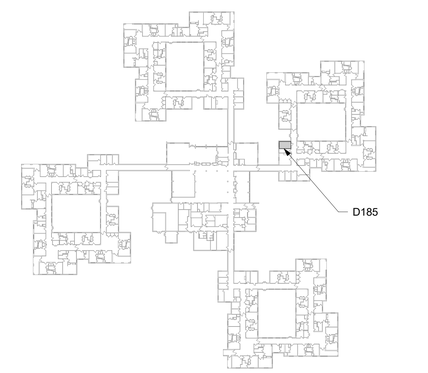
2. WIRE BASKET CABLE TRAY.

KEY PLAN



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 203
KENT, WA 98032
SPEESDESIGNBUILD

STAMP
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
RCDD

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

Drawing Title: BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 590-22-700
			Building Number: 148
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 148TN401d
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	608 of 713

BIM 360://509-22-700
VAHampton EHRMEE - BLDG 148.rvt
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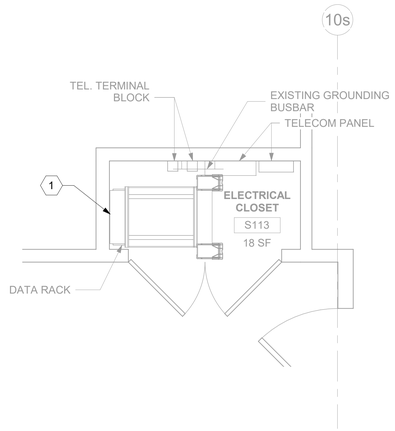
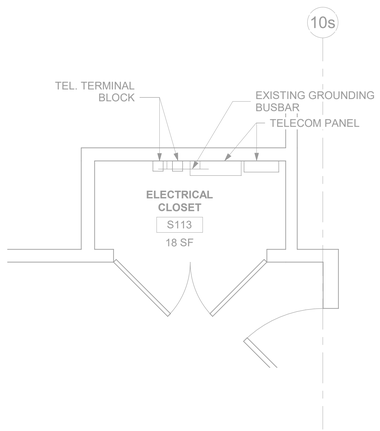
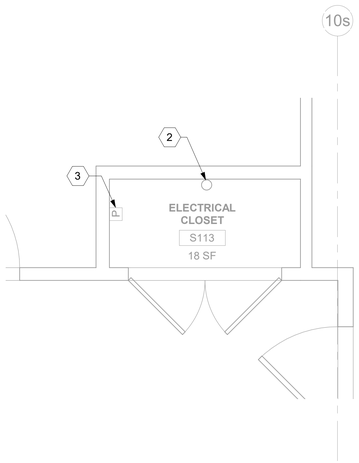


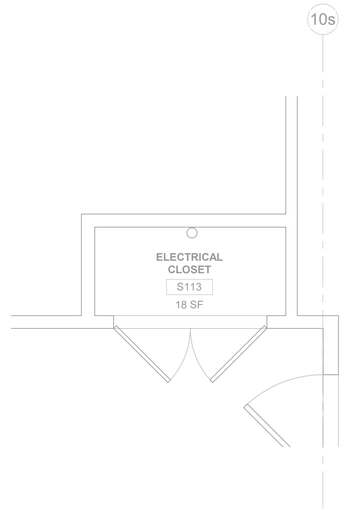
1 148TN101A RM S113 - DEMOLITION FLOOR PLAN
1/2" = 1'-0"



2 148TN101A RM S113 - TELECOMMUNICATIONS PLAN
1/2" = 1'-0"



3 148TN101A RM S113 - DEMOLITION OVERHEAD PLAN
1/2" = 1'-0"



4 148TN101A RM S113 - OVERHEAD PLAN
1/2" = 1'-0"

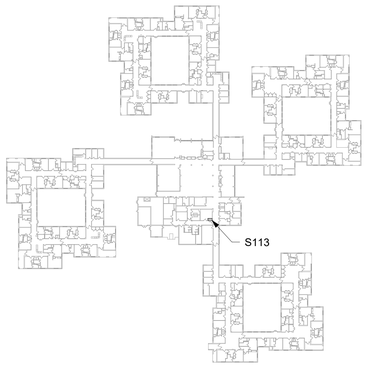
GENERAL NOTES

1. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES AND THE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
2. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
3. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
4. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
5. 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.
6. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 1" CONDUIT FROM NEW BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, EXTEND RACEWAY FROM OUTLET TO TR AS REQUIRED.
7. 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.
8. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
9. ANY LIVE SYSTEMS IN DEMO'D TR'S MUST REMAIN LIVE. CONTRACTOR TO COORDINATE WITH THE STATION TO IDENTIFY SYSTEMS THAT ARE LIVE. IF SYSTEMS ARE LIVE; INSTALL NEW CABLE FROM DEMO'D TR TO NEW TR. REFER TO DETAIL '3' ON TN506.

KEY NOTES

1. EXISTING DATA RACK TO BE DECOMMISIONED BY VA. CONTRACTOR SHALL COORDINATE WITH VA AS REQUIRED.
2. EXISTING VERTICAL CABLING SLEEVES (QTY = 18) TO BE PRESERVED. EXISTING FIBER OPTIC AND/OR EXISTING VERTICAL CABLING RELATED TO EXISTING TR RACKS TO BE DEMOLISHED.
3. EXISTING PENETRATIONS WITH CABLING TO BE REMOVED. CONTRACTOR SHALL PATCH AND FIREPROOF OPENINGS. COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

KEY PLAN



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Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

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A/E:
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BICSI
Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
RCDD

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

Drawing Title: BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Issue Date: 07/18/2025
Checked: KG
Drawn: BCL/GPB
Project Number: 590-22-700
Building Number: 148
Drawing Number: 148TN401e

BIM 360://509-22-700
VAHampton EHRMEE - BLDG 148.rvt
15/07/2025 11:10:53 am

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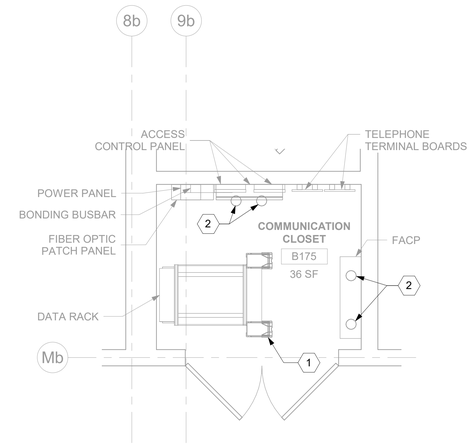
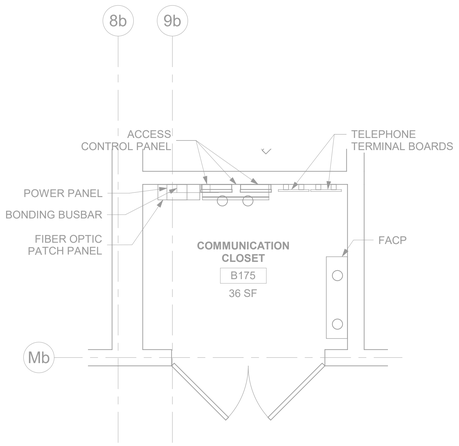
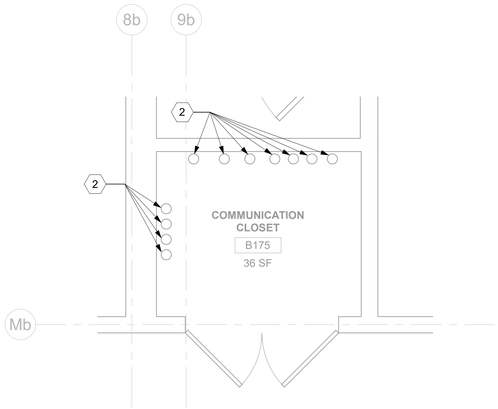


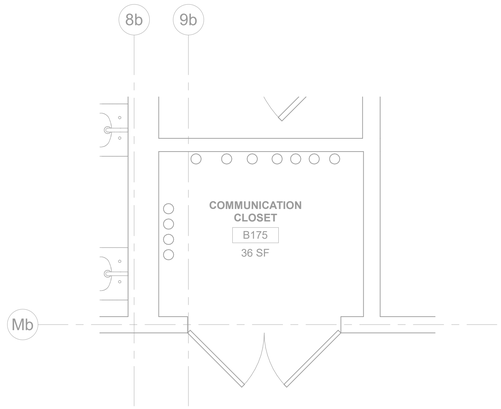
1 148TN101B RM B175 - DEMOLITION FLOOR PLAN
1/2" = 1'-0"



2 148TN101B RM B175 - TELECOMMUNICATIONS PLAN
1/2" = 1'-0"



3 148TN101A RM B175 - DEMOLITION OVERHEAD PLAN
1/2" = 1'-0"



4 148TN101A RM B175 - OVERHEAD PLAN
1/2" = 1'-0"

GENERAL NOTES

1. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES AND THE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
2. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
3. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
4. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
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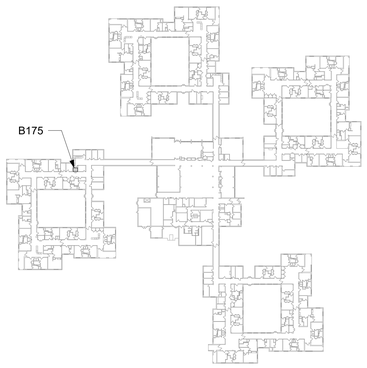
9. ANY LIVE SYSTEMS IN DEMO'D TR'S MUST REMAIN LIVE. CONTRACTOR TO COORDINATE WITH THE STATION TO IDENTIFY SYSTEMS THAT ARE LIVE. IF SYSTEMS ARE LIVE; INSTALL NEW CABLE FROM DEMO'D TR TO NEW TR. REFER TO DETAIL '3' ON TN506.

KEY NOTES

1. EXISTING DATA RACK TO BE DECOMMISIONED BY VA. CONTRACTOR SHALL COORDINATE WITH VA AS REQUIRED.
2. EXISTING VERTICAL CABLING SLEEVE TO BE PRESERVED. EXISTING FIBER OPTIC AND/OR EXISTING VERTICAL CABLING RELATED TO EXISTING TR RACKS TO BE DEMOLISHED.

KEY PLAN



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Revisions:	Date:

CONSULTANT
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BICSI
Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
RCDD

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

Drawing Title: BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Issue Date: 07/18/2025
Checked: KG
Drawn: BCL/GPB
Project Number: 590-22-700
Building Number: 148
Drawing Number: 148TN401f

BIM 360://509-22-700
VAHampton EHRMEE - BLDG 148.rvt
15/07/2025 11:11:03 am

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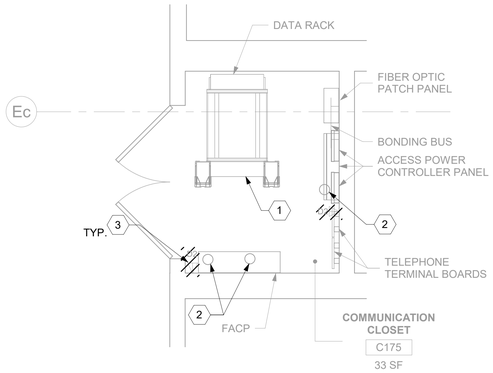
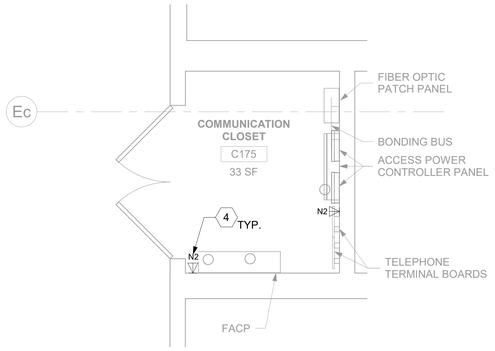
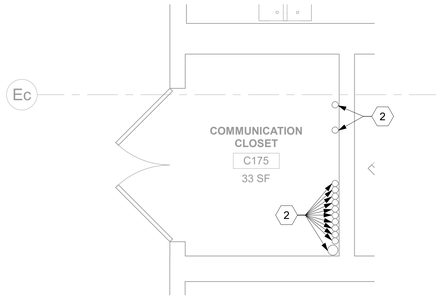


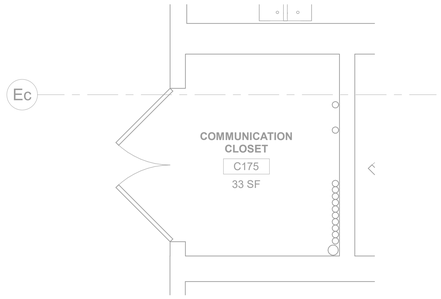
1 148TN101A RM C175 - DEMOLITION FLOOR PLAN
1/2" = 1'-0"



2 148TN101A RM C175 - TELECOMMUNICATIONS PLAN
1/2" = 1'-0"



3 148TN101A RM C175 - DEMOLITION OVERHEAD PLAN
1/2" = 1'-0"



4 148TN101A RM C175 - OVERHEAD PLAN
1/2" = 1'-0"

GENERAL NOTES

1. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES AND THE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
2. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
3. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
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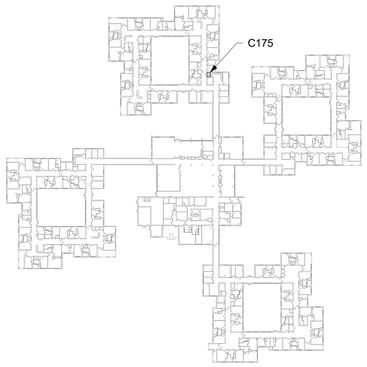
8. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
9. ANY LIVE SYSTEMS IN DEMO'D TR'S MUST REMAIN LIVE. CONTRACTOR TO COORDINATE WITH THE STATION TO IDENTIFY SYSTEMS THAT ARE LIVE. IF SYSTEMS ARE LIVE; INSTALL NEW CABLE FROM DEMO'D TR TO NEW TR. REFER TO DETAIL '3' ON TN506.

KEY NOTES

1. EXISTING DATA RACK TO BE DECOMMISIONED BY VA. CONTRACTOR SHALL COORDINATE WITH VA AS REQUIRED.
2. EXISTING VERTICAL CABLING SLEEVE TO BE PRESERVED. EXISTING FIBER OPTIC AND/OR EXISTING VERTICAL CABLING RELATED TO EXISTING TR RACKS TO BE DEMOLISHED.
3. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
4. 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 TN501 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.

KEY PLAN



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Kris K Good
BICSI ID #112316
EXPIRES 12-31-27
RCDD

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

Drawing Title	Phase	Project Title	Project Number
BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	590-22-700
			Building Number: 148
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 148TN401g
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	

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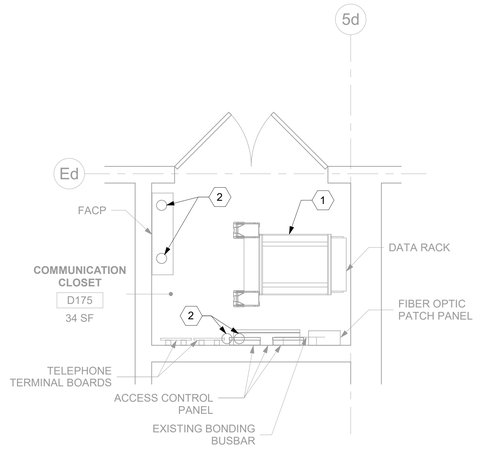
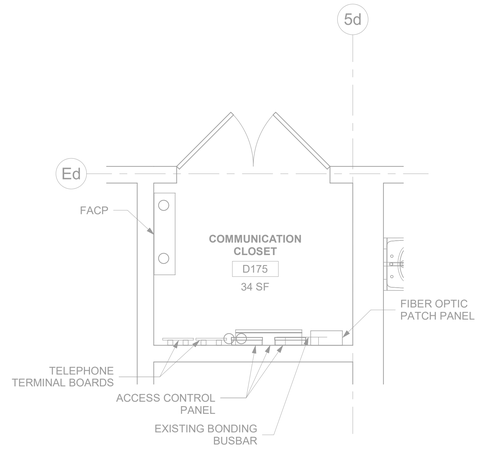
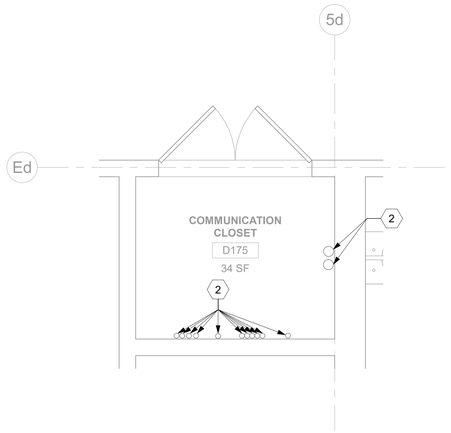


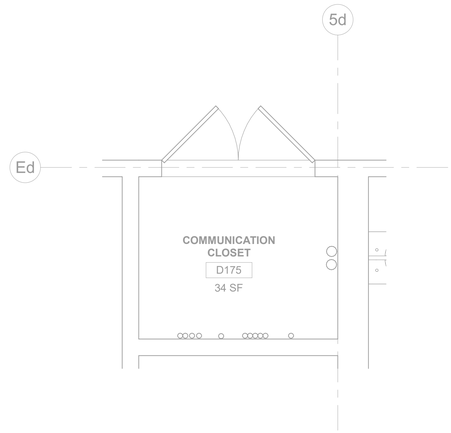
1 148TN101A RM D175 - DEMOLITION FLOOR PLAN 1/2" = 1'-0"



2 148TN101A RM D175 - TELECOMMUNICATIONS PLAN 1/2" = 1'-0"



3 148TN101A RM D175 - DEMOLITION OVERHEAD PLAN 1/2" = 1'-0"



4 148TN101A RM D175 - OVERHEAD PLAN 1/2" = 1'-0"

GENERAL NOTES

1. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES AND THE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
2. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
3. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
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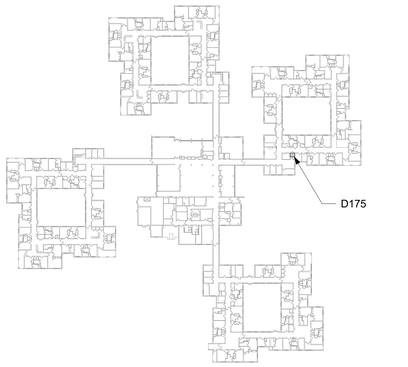
2. EXISTING VERTICAL CABLING SLEEVE TO BE PRESERVED. EXISTING FIBER OPTIC AND/OR EXISTING VERTICAL CABLING RELATED TO EXISTING TR RACKS TO BE DEMOLISHED.

KEY PLAN



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Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
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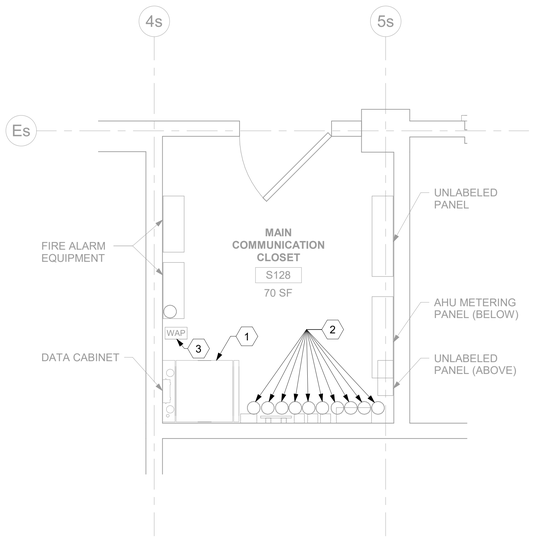
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

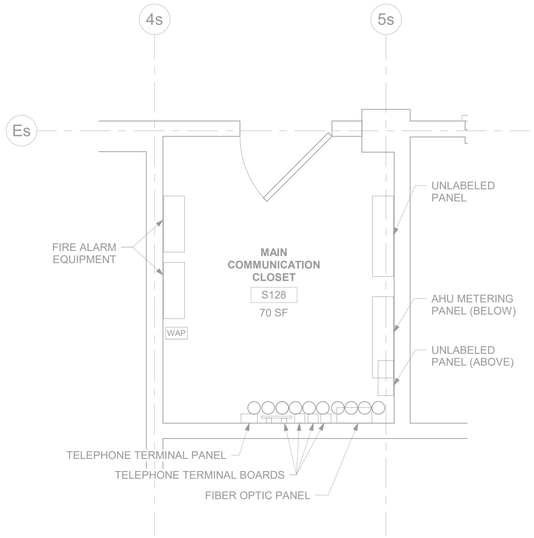
Drawing Title: BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 590-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: 148
		Issue Date: 07/18/2025 / Checked: KG / Drawn: BCL/GPB	Drawing Number: 148TN401h

BIM 360://509-22-700
VAHampton EHRMEE - BLDG 148.rvt
15/07/2025 11:11:24 am

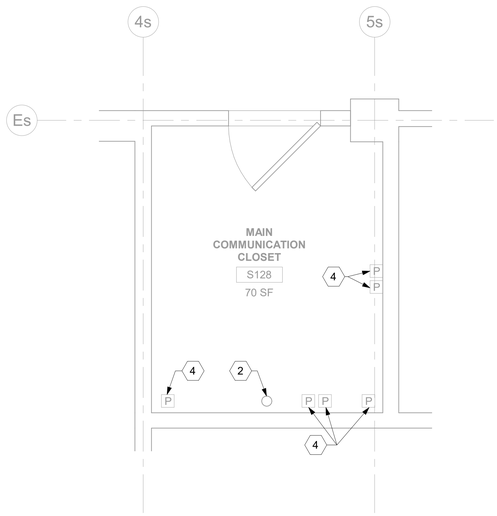
VA FORM 08 - 6231



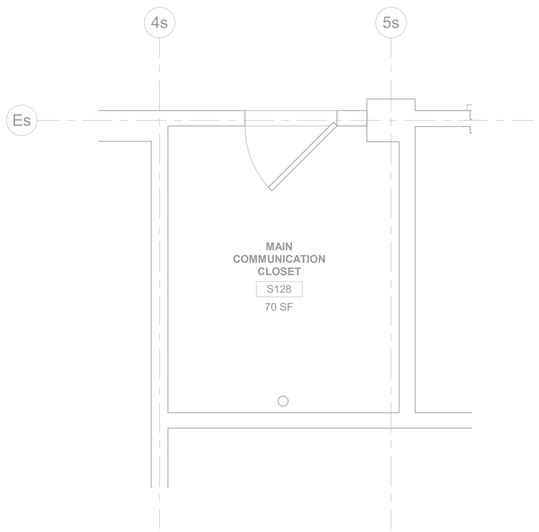
1 148TN101A RM S128 - DEMOLITION FLOOR PLAN
1/2" = 1'-0"



2 148TN101A RM S128 - TELECOMMUNICATIONS PLAN
1/2" = 1'-0"



3 148TN101A RM S128 - DEMOLITION OVERHEAD PLAN
1/2" = 1'-0"



4 148TN101A RM S128 - OVERHEAD PLAN
1/2" = 1'-0"

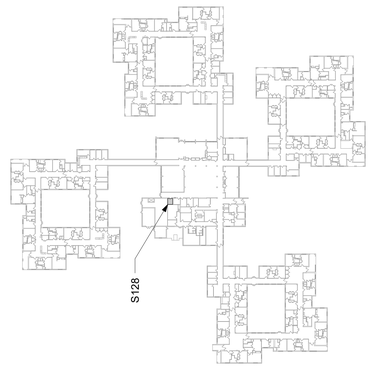
GENERAL NOTES

1. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES AND THE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
2. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
3. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
4. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
5. 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.
6. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 1" CONDUIT FROM NEW BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, EXTEND RACEWAY FROM OUTLET TO TR AS REQUIRED.
7. 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.
8. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
9. ANY LIVE SYSTEMS IN DEMO'D TR'S MUST REMAIN LIVE. CONTRACTOR TO COORDINATE WITH THE STATION TO IDENTIFY SYSTEMS THAT ARE LIVE. IF SYSTEMS ARE LIVE; INSTALL NEW CABLE FROM DEMO'D TR TO NEW TR. REFER TO DETAIL '3' ON TN506.

KEY NOTES

1. EXISTING DATA RACK TO BE DECOMMISIONED BY VA. CONTRACTOR SHALL COORDINATE WITH VA AS REQUIRED.
2. EXISTING VERTICAL CABLING SLEEVE TO BE PRESERVED. EXISTING FIBER OPTIC AND/OR EXISTING VERTICAL CABLING RELATED TO EXISTING TR RACKS TO BE DEMOLISHED.
3. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.
4. EXISTING PENETRATIONS WITH CABLING TO BE REMOVED. CONTRACTOR SHALL PATHC AND FIREPROOF OPENINGS. COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

KEY PLAN



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Revisions:	Date:

CONSULTANT

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Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
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VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 590-22-700
			Building Number: 148
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 148TN401i
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	613 of 713

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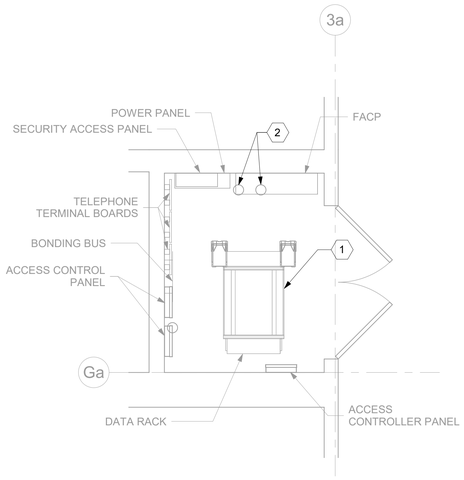
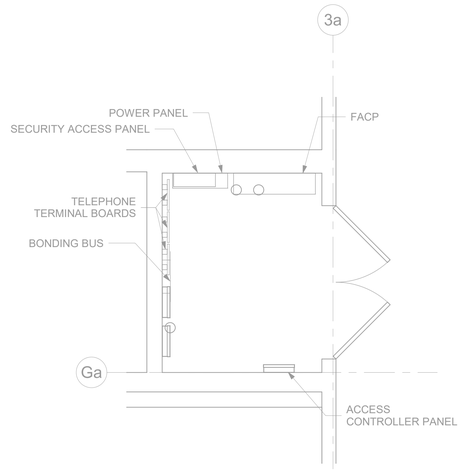
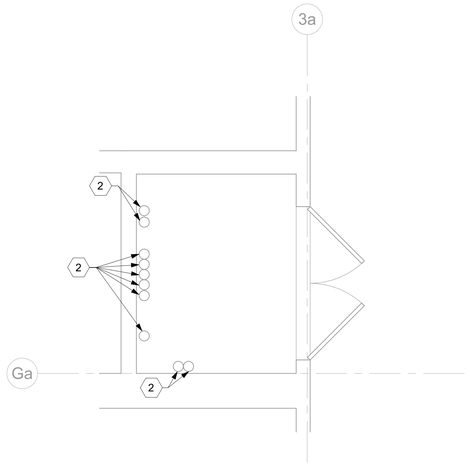


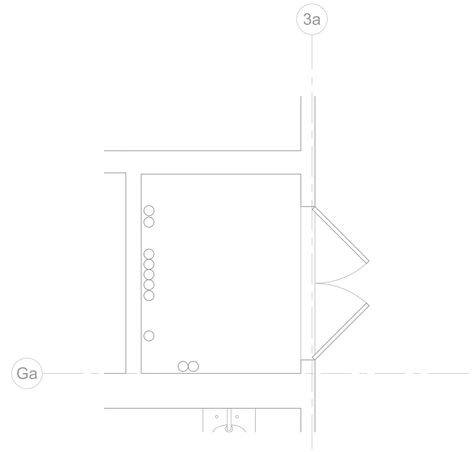
1 148TN101A RM A175 - DEMOLITION FLOOR PLAN
1/2" = 1'-0"



2 148TN101A RM A175 - TELECOMMUNICATIONS PLAN
1/2" = 1'-0"



3 148TN101A RM A175 - DEMOLITION OVERHEAD PLAN
1/2" = 1'-0"



4 148TN101A RM A175 - OVERHEAD PLAN
1/2" = 1'-0"

GENERAL NOTES

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KEY NOTES

1. EXISTING DATA RACK TO BE DECOMMISIONED BY VA. CONTRACTOR SHALL COORDINATE WITH VA AS REQUIRED.
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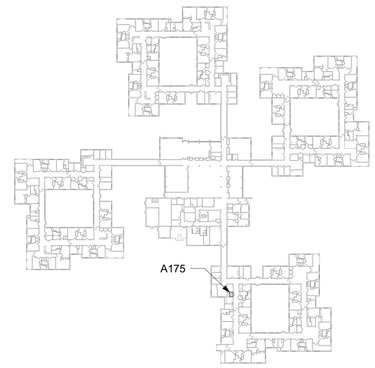
KEY PLAN



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BICSI ID # 112316
EXPIRES 12-31-27
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VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 148 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 590-22-700
			Building Number: 148
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 148TN401j
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	614 of 713

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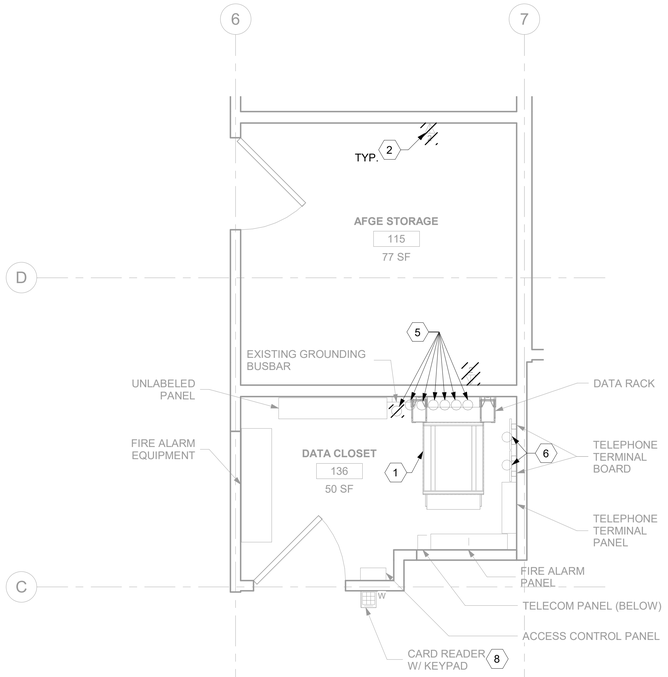
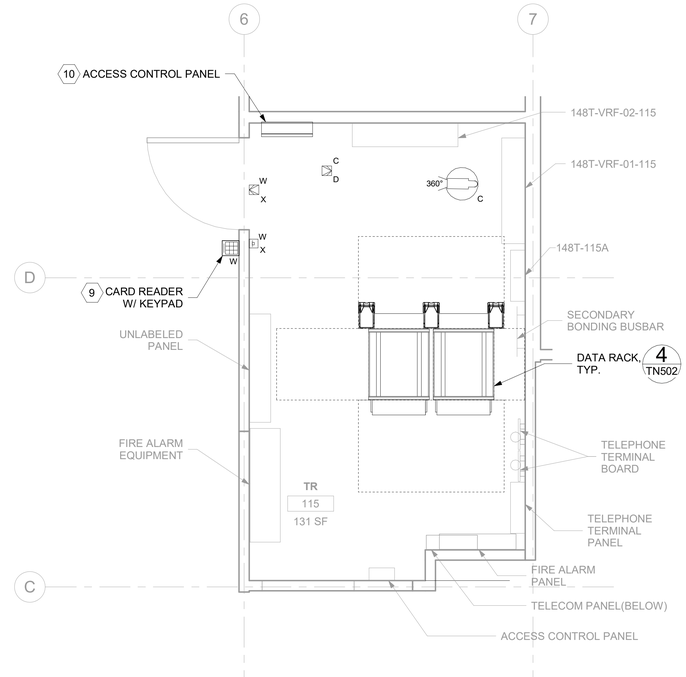
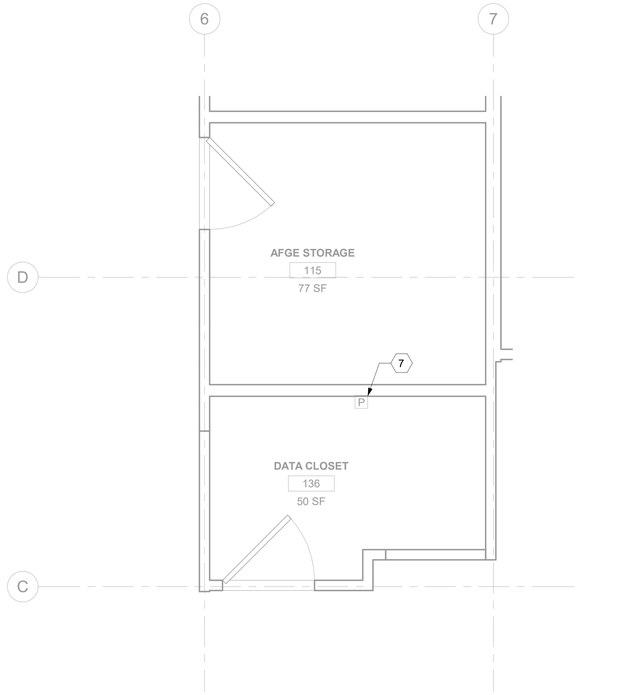


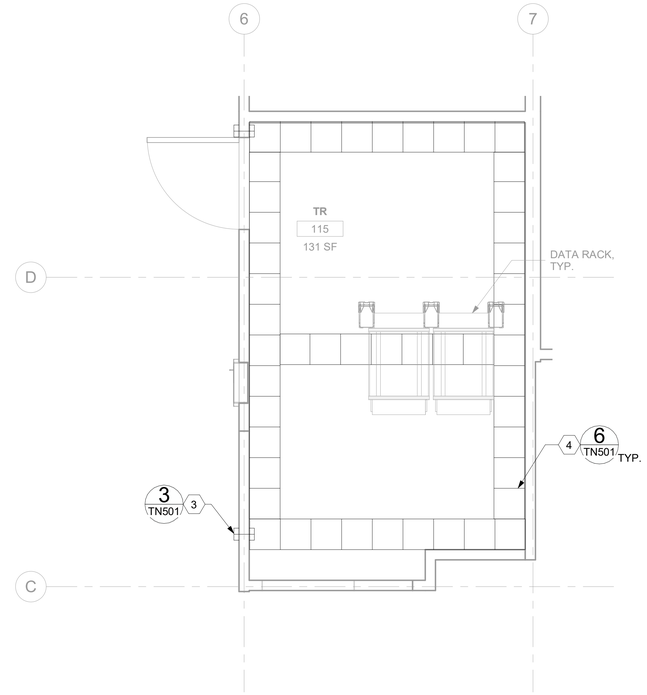
1 148TTN101 RM 115&136 - DEMOLITION FLOOR PLAN 1/2" = 1'-0"



2 148TTN101 RM 115 - TELECOMMUNICATIONS PLAN 1/2" = 1'-0"



3 148TTN101 RM 115&136 - OVERHEAD DEMOLITION PLAN 1/2" = 1'-0"



4 148TTN101 RM 115 - OVERHEAD PLAN 1/2" = 1'-0"

GENERAL NOTES

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4. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
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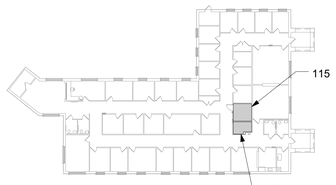
8. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
9. ANY LIVE SYSTEMS IN DEMO'D TR'S MUST REMAIN LIVE. CONTRACTOR TO COORDINATE WITH THE STATION TO IDENTIFY SYSTEMS THAT ARE LIVE. IF SYSTEMS ARE LIVE; INSTALL NEW CABLE FROM DEMO'D TR TO NEW TR. REFER TO DETAIL '3' ON TN506.
10. RAIL KITS ARE PROVIDED BY THE GC FOR EQUIPMENT MOUNTED IN THE TR CHANNEL RACKS.
11. LADDER RACK IN ALL TR'S WILL BE MOUNTED 6" OFF THE WALLS TO ACCOMMODATE ELECTRICAL AND MECHNICAL EQUIPMENT.

KEY NOTES

1. EXISTING DATA RACK TO BE DECOMMISIONED BY VA. CONTRACTOR SHALL COORDINATE WITH VA AS REQUIRED.
2. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
3. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
4. WIRE BASKET CABLE TRAY.
5. EXISTING VERTICAL CABLING SLEEVES (QTY = 7) TO BE DEMOLISHED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.
6. EXISTING VERTICAL CABLING SLEEVE TO BE PRESERVED. EXISTING FIBER OPTIC AND/OR EXISTING VERTICAL CABLING RELATED TO EXISTING TR RACKS TO BE DEMOLISHED.
7. EXISTING PENETRATIONS WITH CABLING TO BE REMOVED. CONTRACTOR SHALL PATCH AND FIREPROOF OPENINGS. COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
8. EXISTING EQUIPMENT TO BE RELOCATED AS SHOWN IN DETAIL '2' ON THIS SHEET.
9. RELOCATED EQUIPMENT. PROVIDE TEMPORARY PANELS OR EQUIPMENT AS REQUIRED TO ENSURE FULLY FUNCTIONAL ACCESS CONTROL AND FIRE ALARM SYSTEMS DURING RELOCATION. EXTEND CONDUIT AND WIRE TO RELOCATED EQUIPMENT AS REQUIRED.
10. PROVIDE (2)-DOOR ACCESS CONTROL PANEL TO SERVE ALL PACS DOOR SECURITY EQUIPMENT FOR THIS TR ROOM. PROVIDE ALL REQUIRED CONNECTIONS, PROGRAMMING, POWER SUPPLIES, AND COMPONENTS TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM. REFERENCE SPECIFICATION "28 13 00 - PHYSICAL ACCESS CONTROL SYSTEM" FOR ADDITIONAL INFORMATION.

KEY PLAN



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PROJECT NORTH

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD

A/E:
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Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 148T - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 07/18/2025 | Checked: KG | Drawn: BCL/GPB

Project Number: 590-22-700

Building Number: 148T

Drawing Number: 148TTN401

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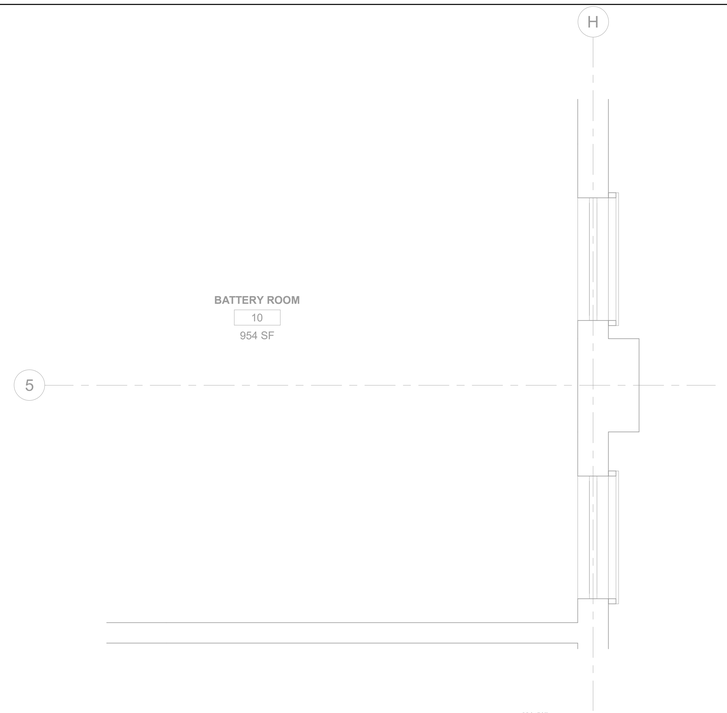
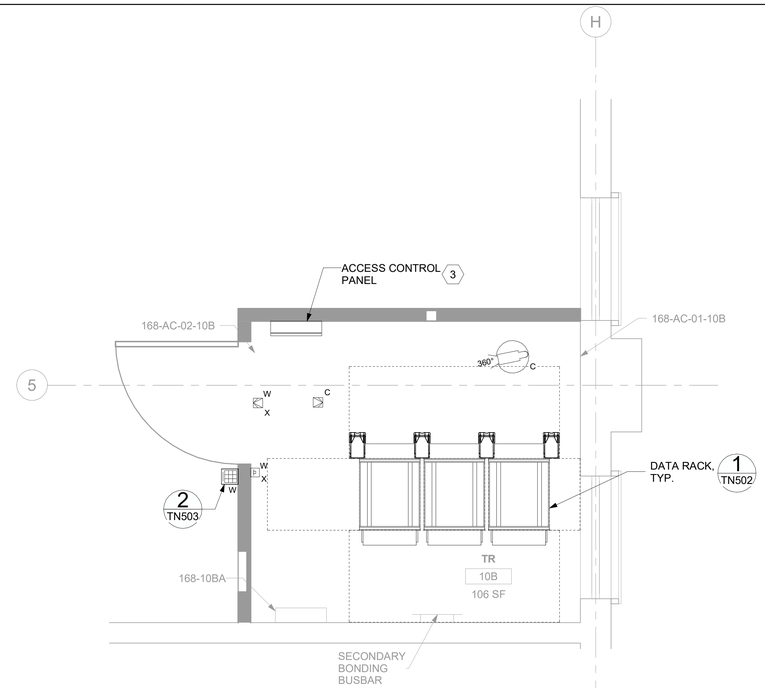
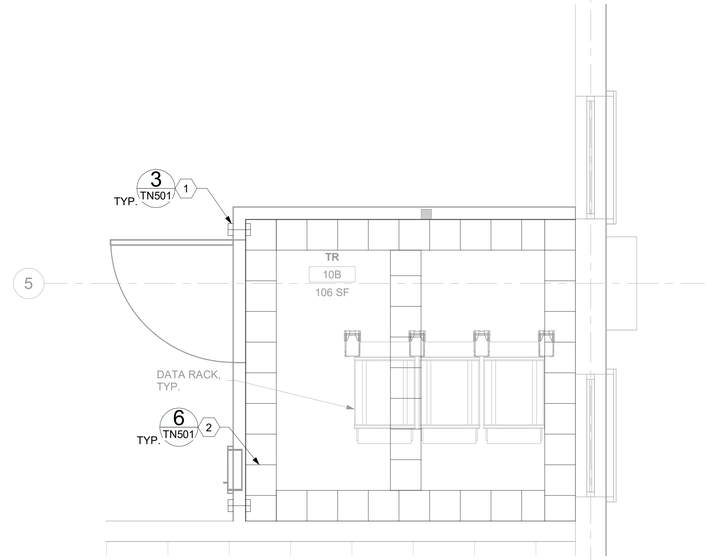


1 168TN100 RM 10 - DEMOLITION FLOOR PLAN
1/2" = 1'-0"



2 168TN100 RM 10B - TELECOMMUNICATIONS PLAN
1/2" = 1'-0"

3 168TN100 NOT USED
NTS



4 168TN100 RM 10B - OVERHEAD PLAN
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GENERAL NOTES

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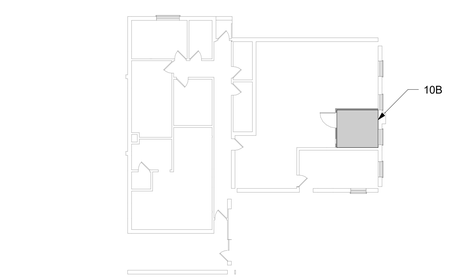
7. PROVIDE CONDUITS AND SLEEVES AS REQUIRED FOR ROUTING AND INSTALLATION OF HORIZONTAL AND BACKBONE CABLING. PROVIDE FIRE-STOP MATERIALS TO SEAL IN AND AROUND CONDUIT PER CODE. REFER TO ARCHITECTURAL DRAWINGS FOR PARTITION TYPES AND WALL HEIGHTS.
8. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
9. ANY LIVE SYSTEMS IN DEMO'D TR'S MUST REMAIN LIVE. CONTRACTOR TO COORDINATE WITH THE STATION TO IDENTIFY SYSTEMS THAT ARE LIVE. IF SYSTEMS ARE LIVE; INSTALL NEW CABLE FROM DEMO'D TR TO NEW TR. REFER TO DETAIL '3' ON TN506.
10. RAIL KITS ARE PROVIDED BY THE GC FOR EQUIPMENT MOUNTED IN THE TR CHANNEL RACKS.
11. LADDER RACK IN ALL TR'S WILL BE MOUNTED 6" OFF THE WALLS TO ACCOMMODATE ELECTRICAL AND MECHNICAL EQUIPMENT.

KEY NOTES

1. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
2. WIRE BASKET CABLE TRAY.
3. PROVIDE (2)-DOOR ACCESS CONTROL PANEL TO SERVE ALL PACS DOOR SECURITY EQUIPMENT FOR THIS TR ROOM. PROVIDE ALL REQUIRED CONNECTIONS, PROGRAMMING, POWER SUPPLIES, AND COMPONENTS TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM. REFERENCE SPECIFICATION "28 13 00 -PHYSICAL ACCESS CONTROL SYSTEM" FOR ADDITIONAL INFORMATION.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Kris K Good
BICSI ID #112316
EXPIRES 12-31-27
RCDD

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

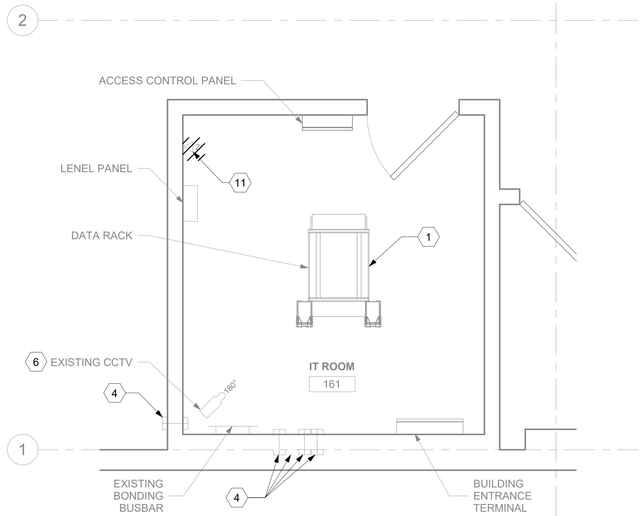
Drawing Title: BLDG 168 - LEVEL 00 - ENLARGED TELECOMMUNICATIONS PLANS
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Issue Date: 07/18/2025
Checked: KG
Drawn: BCL/GPB
Project Number: 590-22-700
Building Number: 168
Drawing Number: 168TN400

BIM 360://509-22-700
VAHampton EHRMEE - BLDG 168.rvt
15/07/2025 9:30:06 am

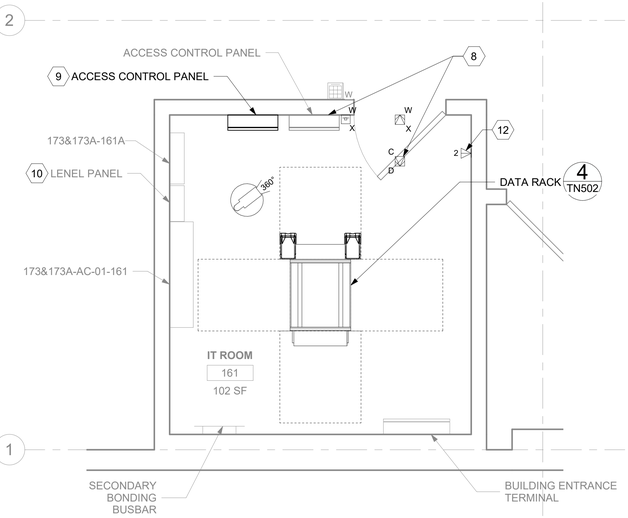
VA FORM 08 - 6231

OUTLET, DATA OR VOIP TELEPHONE. THE FOLLOWING INFORMATION INDICATED ON THE SYMBOL:
"#" = QUANTITY OF OUTLET PORTS.
"D" = EXISTING CABLES TO BE DEMOLISHED.
"N" = REPLACEMENT CABLES TO BE PROVIDED.
REFERENCE SHEET TNG002 FOR ADDITIONAL INFORMATION.

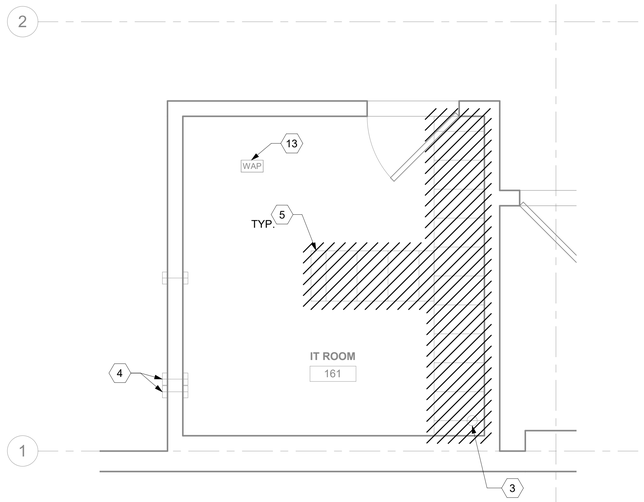
D# N# Y
D# N# Y



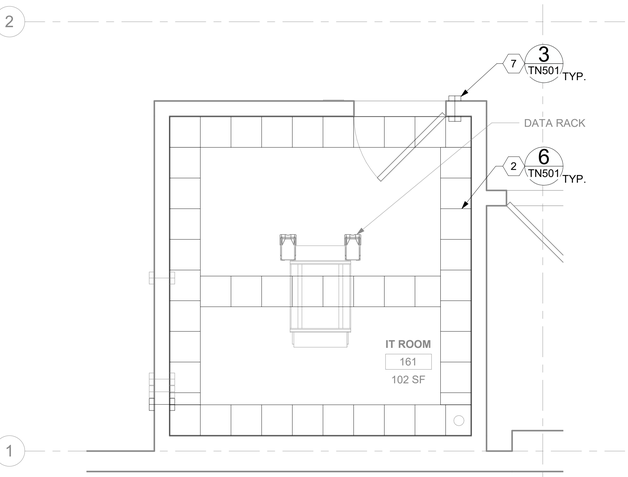
1 RM 161 - DEMOLITION FLOOR PLAN
173&173ATN101 1/2" = 1'-0"



2 RM 161 - TELECOMMUNICATIONS PLAN
173&173ATN101 1/2" = 1'-0"



3 RM 161 - DEMOLITION OVERHEAD PLAN
173&173ATN101 1/2" = 1'-0"



4 RM 161 - OVERHEAD PLAN
173&173ATN101 1/2" = 1'-0"

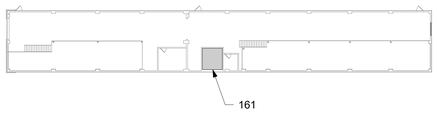
GENERAL NOTES

1. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES AND THE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
2. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
3. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
4. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
5. 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.
6. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 1" CONDUIT FROM NEW BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, EXTEND RACEWAY FROM OUTLET TO TR AS REQUIRED.
7. 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.
8. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
9. ANY LIVE SYSTEMS IN DEMO'D TR'S MUST REMAIN LIVE. CONTRACTOR TO COORDINATE WITH THE STATION TO IDENTIFY SYSTEMS THAT ARE LIVE. IF SYSTEMS ARE LIVE; INSTALL NEW CABLE FROM DEMO'D TR TO NEW TR. REFER TO DETAIL '3' ON TN506.
10. RAIL KITS ARE PROVIDED BY THE GC FOR EQUIPMENT MOUNTED IN THE TR CHANNEL RACKS.
11. LADDER RACK IN ALL TR'S WILL BE MOUNTED 6" OFF THE WALLS TO ACCOMMODATE ELECTRICAL AND MECHNICAL EQUIPMENT.

KEY NOTES

1. EXISTING DATA RACK TO BE DECOMMISSIONED BY VA. CONTRACTOR SHALL COORDINATE WITH VA AS REQUIRED.
2. WIRE BASKET CABLE TRAY.
3. EXISTING VERTICAL CABLING SLEEVE TO BE PRESERVED. EXISTING FIBER OPTIC AND/OR EXISTING VERTICAL CABLING RELATED TO EXISTING TR RACKS TO BE DEMOLISHED.
4. EXISTING HORIZONTAL CABLING SLEEVE TO BE PRESERVED. EXISTING FIBER OPTIC AND/OR EXISTING HORIZONTAL CABLING RELATED TO EXISTING TR RACKS TO BE DEMOLISHED.
5. EXISTING CABLE TRAY TO BE DEMOLISHED AND REMOVED.
6. EXISTING CCTV TO BE RELOCATED.
7. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY ATLEAST 10FT.
8. EXISTING ACCESS CONTROL PANEL TO BE MODIFIED TO PROVIDE ALL REQUIRED CONNECTIONS AND HARDWARE FOR MOTION DETECTOR.
9. PROVIDE (2)-DOOR ACCESS CONTROL PANEL TO SERVE ALL PACS DOOR SECURITY EQUIPMENT FOR THIS TR ROOM. PROVIDE ALL REQUIRED CONNECTIONS, PROGRAMMING, POWER SUPPLIES, AND COMPONENTS TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM. REFERENCE SPECIFICATION "28 13 00 - PHYSICAL ACCESS CONTROL SYSTEM" FOR ADDITIONAL INFORMATION.
10. EXISTING ACCESS CONTROL PANEL TO BE RE-FED WITH (1) CAT6A CABLE.
11. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
12. 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 DETAIL '1' ON SHEET TN501 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.
13. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT
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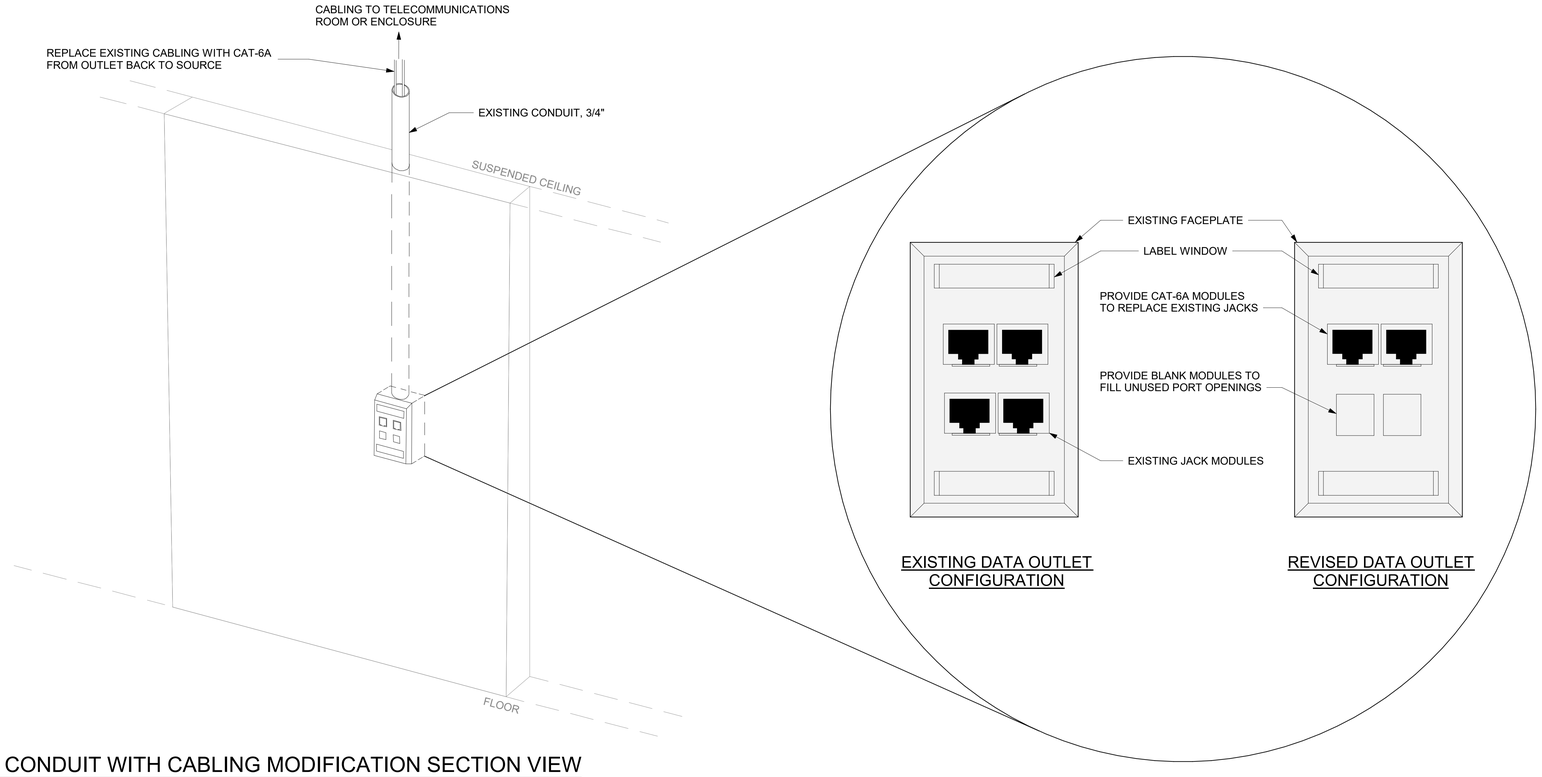
BICSI
Kris K Good
BICSI ID # 112316
EXPIRES 12-31-27
RCDD

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

Drawing Title	BLDG 173 & 173A - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Project Number	590-22-700
Building Number	173 & 173A
Approved:	
	FULLY SPRINKLERED
Location	HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Issue Date	07/18/2025
Checked	KG
Drawn	BCL/GPB
Drawing Number	173&173ATN401

VA FORM 08 - 6231

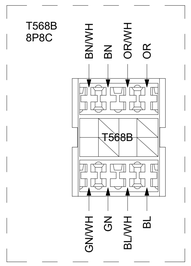
BIM 360://590-22-700
VAHampton EHRMEE - BLDG
173 - 173A.rvt
7/15/2025 11:00:25 AM



1 - EXISTING CONDUIT WITH CABLING MODIFICATION SECTION VIEW
NTS

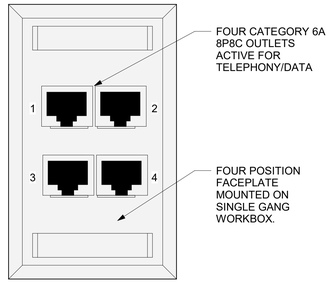
GENERAL NOTES (FOR THIS SHEET ONLY)

1. ALL LABELING SHALL BE ANSI/TIA/EIA/606C COMPLIANT. BLACK LETTERING ON WHITE FIELD. MACHINE PRINTED. FURTHER GUIDANCE ON ADMINISTRATION MAY BE SPECIFIED IN OTHER SECTIONS OF THIS DESIGN PACKAGE.
2. TYPICAL WORK AREA OUTLET FACEPLATE WILL BE INSTALLED WITH CATEGORY 6A COMPONENT-COMPLIANT 8P8C MEDIA INTERFACE CONNECTORS (RJ45). EACH CONNECTOR WILL BE TERMINATED TO HIGH QUALITY CATEGORY 6A HORIZONTAL CABLING WHICH WILL TERMINATE IN THE TELECOMMUNICATIONS ROOM AS SPECIFIED ELSEWHERE IN THIS DESIGN PACKAGE. ALL HORIZONTAL UTP SHALL BE CATEGORY 6A AND TERMINATED TO T568B.
3. TYPICAL FACEPLATE WILL BE INSTALLED WITH TWO (2) RJ45s. HIGH DENSITY FACEPLATES WILL BE INSTALLED WITH FOUR (4) RJ45s.
4. FACEPLATE MATERIAL AND COLOR DETERMINED BY OTHERS.

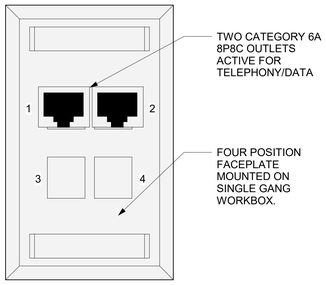


2 - DATA CABLING TERMINATION DETAIL
NTS

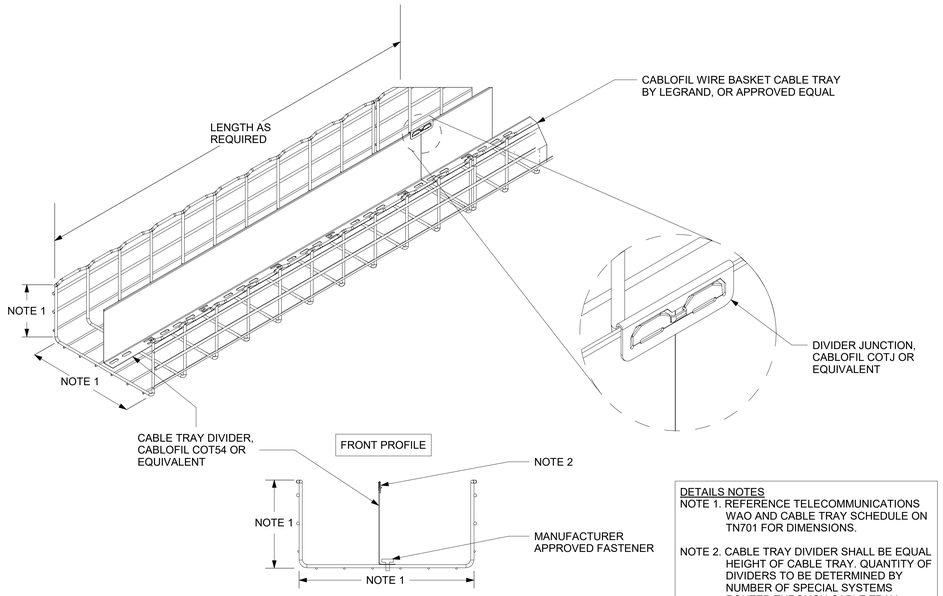
3 - TYPICAL FIRE STOP SLEEVE DETAIL
NTS



4 - TYPICAL HIGH DENSITY WALL MOUNTED WORK AREA OUTLET CONFIGURATION
NTS



5 - STANDARD DENSITY WALL MOUNTED WORK AREA OUTLET CONFIGURATION
NTS



DETAILS NOTES
NOTE 1. REFERENCE TELECOMMUNICATIONS WAO AND CABLE TRAY SCHEDULE ON TN701 FOR DIMENSIONS.
NOTE 2. CABLE TRAY DIVIDER SHALL BE EQUAL HEIGHT OF CABLE TRAY. QUANTITY OF DIVIDERS TO BE DETERMINED BY NUMBER OF SPECIAL SYSTEMS ROUTED THROUGH CABLE TRAY. CONTRACTOR SHALL ASSUME A MINIMUM OF 4 DIVIDERS PER TRAY.
NOTE 3. CABLE TRAY SHALL BE INSTALLED 6" OFF WALL TO ALLOW CONDUIT TO PASS BEHIND TRAY.

6 - WIRE BASKET CABLE TRAY WITH DIVIDER
NTS

Revisions:	Date:

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EXPIRES 12-31-27
RCDD

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

Drawing Title	Phase	Project Title	Project Number
TELECOMMUNICATIONS DETAILS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	590-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: -
		Issue Date: 07/18/2025 / Checked: KG / Drawn: BCL/GPB	Drawing Number: TN501

618 of 713

BIM 360://509-22-700 VAHampton EHRM/VA Hampton VA Campus/General Notes, Diagrams and Details.rvt
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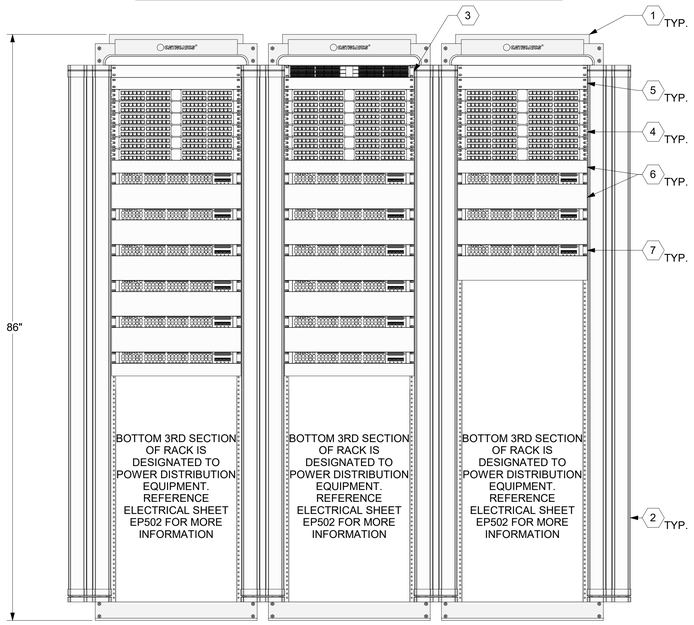
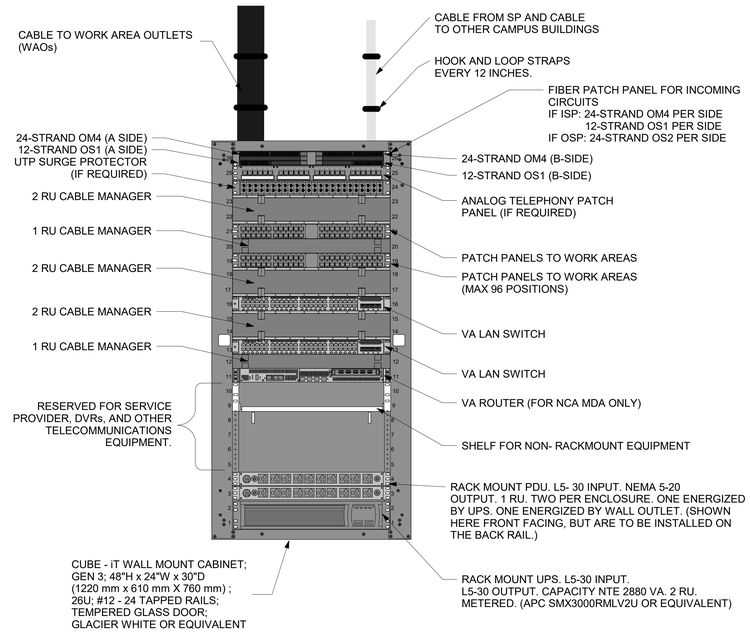
DETAIL IS GENERIC IN NATURE AND SHOWS GENERAL LAYOUT INFORMATION. REFERENCE GENERAL AND KEY NOTES FOR SPECIFIC INFORMATION



1 TR DATA RACK ELEVATION - THREE RACK

1" = 0'-9"



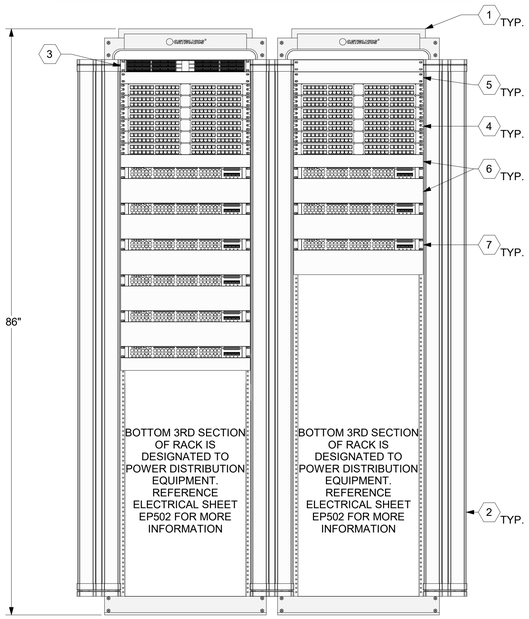
2 TELECOMMUNICATIONS ENCLOSURE ELEVATION DETAIL

NTS

GENERAL NOTES (FOR THIS SHEET ONLY)

1. ALL TELECOMMUNICATIONS ROOM (TR) DATA RACK DETAIL ELEVATIONS ARE SHOWN TO PROVIDE GENERAL LAYOUT REQUIREMENTS. EXACT QUANTITIES OF UTP PATCH PANELS AND NETWORK SWITCHES PER TR ARE SHOWN IN THE TELECOMMUNICATIONS WAO AND CABLE TRAY SCHEDULE LOCATED ON SHEET TN701. IF MORE THAN (1) RACK IS PRESENT IN THE TR BEING EVALUATED, CONTRACTOR SHALL DIVIDE THE PATCH PANEL AND NETWORK SWITCH EQUIPMENT EVENLY AMONG THE RACKS [IE: IF (6) PATCH PANELS AND (6) NETWORK SWITCHES ARE REQUIRED IN A TR THAT HAS (2) DATA RACKS, PROVIDE EACH DATA RACK WITH (3) PATCH PANELS AND (3) NETWORK SWITCHES].
2. VA DATA RACKS FOLLOW A RULE OF THIRDS FOR POSITIONING EQUIPMENT ON THE RACK. THE TOP THIRD IS DESIGNATED FOR FIBER AND UTP PATCH EQUIPMENT, THE MIDDLE THIRD IS DESIGNATED FOR NETWORK SWITCH EQUIPMENT, AND THE BOTTOM THIRD IS DESIGNAZTED FOR DATA RACK POWER DISTRIBUTION EQUIPMENT.
3. PRIOR TO CONSTRUCTING TR DATA RACKS AND DURING THE SUBMITTAL PROCESS, CONTRACTOR SHALL SUBMIT ALL TR DATA RACK ELEVATIONS (FRONT, BACK, AND SIDE VIEWS) FOR ENGINEER AND VA REVIEW AND APPROVAL. SUBMITTAL SHALL SHOW ALL DIMENSIONS, CABLE MANAGEMENT EQUIPMENT, LABELING AND ASSOCIATED CUTSHEETS WITH INDICATED PART NUMBERS AND OPTIONS FOR ALL EQUIPMENT.
4. CONTRACTOR SHALL LABEL EACH PATCH PANEL PORT WITH PORT NUMBER AND ROOM NUMBER.
5. ALL DATA RACKS SHALL BE PROVIDED WITH SEISMIC BRACING KITS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
6. ALL EQUIPMENT, CABLING, CONNECTORS AND APPURTENANCES SHALL BE LABELED PER THE VA STANDARD "INFRASTRUCTURE STANDARD FOR TELECOMMUNICATIONS SPACE" VERSION 3.1 OR NEWER.
7. WHERE RACK EQUIPMENT IS NOT REQUIRED FOR CABLING REQUIREMENTS PROVIDE BLANKING PLATES IN ABSENT SPACES.
8. PROVIDE BLANKING PANELS IN ALL TR RACK VACANT SPACES IF NOT NOTED OTHERWISE.

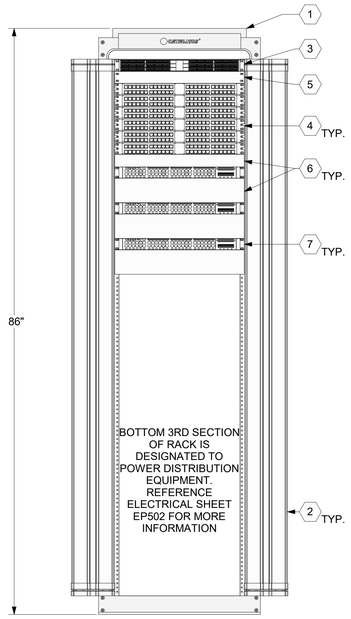
DETAIL IS GENERIC IN NATURE AND SHOWS GENERAL LAYOUT INFORMATION. REFERENCE GENERAL AND KEY NOTES FOR SPECIFIC INFORMATION



3 TR DATA RACK ELEVATION - TWO RACK

1" = 0'-9"

DETAIL IS GENERIC IN NATURE AND SHOWS GENERAL LAYOUT INFORMATION. REFERENCE GENERAL AND KEY NOTES FOR SPECIFIC INFORMATION



4 TR DATA RACK ELEVATION - SINGLE RACK

1" = 0'-9"

KEY NOTES (FOR THIS SHEET ONLY)

1. DATA RACK, 4-POST, WHITE FINISH, ORTRONICS #MM2073038-W, OR APPROVED EQUAL.
2. VERTICAL CABLE MANAGER WITH DOOR, 6" WIDE, ORTRONICS #MM20VMD706, OR APPROVED EQUAL.
3. FIBER DISTRIBUTION CABINET, ANGLED, 1RU, LEVITON ANGLED OPT-X UHDX, OR APPROVED EQUAL; CABINET POPULATED WITH (12) CASSETTES, LEVITON HDX ENTERPRISE MTP, OR APPROVED EQUAL. SIDE-A AND SIDE-B FIBER BACKBONE SHALL TERMINATE TO SEPARATE SIDES OF DISTRIBUTION CABINET.
4. CAT 6A UTP PATCH PANEL, ANGLED, 48-PORT WITH REAR CABLE MANAGER, LEVITON #E2XHD-BLK, OR APPROVED EQUAL.
5. BLANKING PANEL, 1RU, LEVITON, OR APPROVED EQUAL.
6. HORIZONTAL CABLE MANAGER, 1RU OR 2RU AS SHOWN, LEVITON, OR APPROVED EQUAL.
7. NETWORK SWITCH. VA PROVIDED, VA INSTALLED. COORDINATE WITH VA FOR EXACT REQUIREMENTS AS NECESSARY.

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD

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BICSI ID # 112316
EXPIRES 12-31-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TELECOMMUNICATIONS DETAILS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	590-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: -
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	Drawing Number: TN502

BIM 360://509-22-700
VAHampton EHRMA/A
Hampton_VA_Master_Central_General
Notes, Diagrams and Details.rvt
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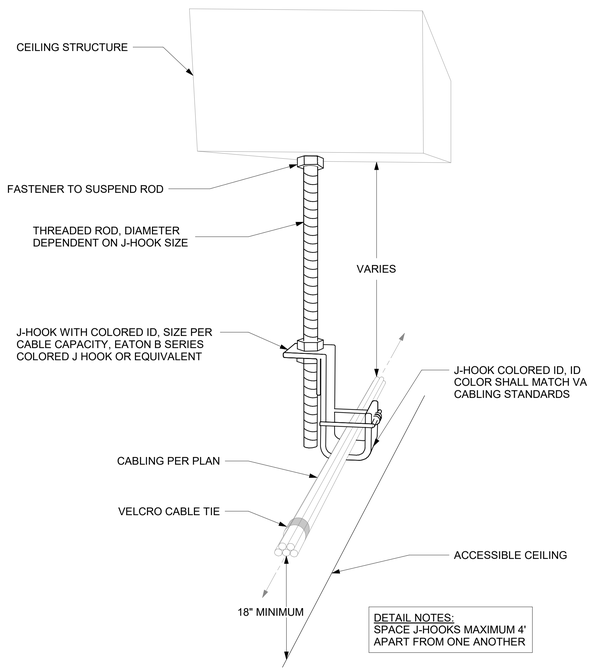
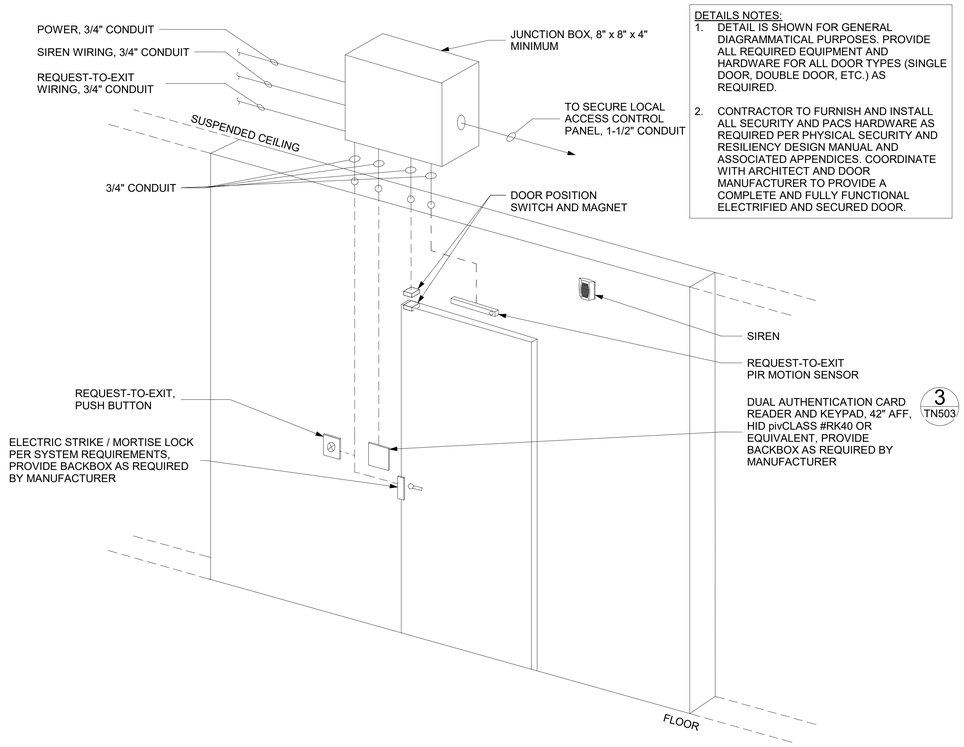


DETAIL NOTES:
SPACE J-HOOKS MAXIMUM 4' APART FROM ONE ANOTHER

1 - TYPICAL J-HOOK INSTALLATION DETAIL

NTS



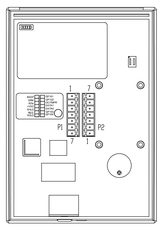
DETAILS NOTES:
1. DETAIL IS SHOWN FOR GENERAL DIAGRAMMATICAL PURPOSES. PROVIDE ALL REQUIRED EQUIPMENT AND HARDWARE FOR ALL DOOR TYPES (SINGLE DOOR, DOUBLE DOOR, ETC.) AS REQUIRED.
2. CONTRACTOR TO FURNISH AND INSTALL ALL SECURITY AND PACS HARDWARE AS REQUIRED PER PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL AND ASSOCIATED APPENDICES. COORDINATE WITH ARCHITECT AND DOOR MANUFACTURER TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL ELECTRIFIED AND SECURED DOOR.

2 - SECURITY DOOR CARD READER INSTALLATION DETAIL

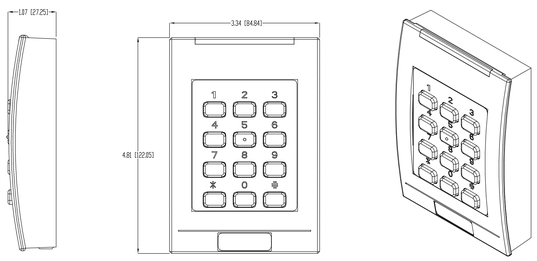
NTS

GENERAL NOTES

PIV ENABLED TWO-FACTOR AUTHENTICATION KEY PAD AND CONTACTLESS AUTHENTICATION, HID pivCLASS #RK40 OR EQUIVALENT

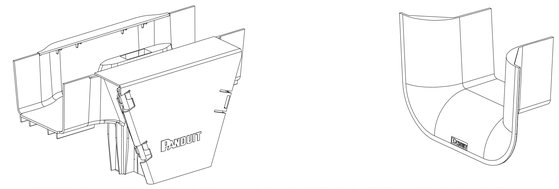


WIRING TABLE		
PIGTAIL-WIRE COLOR	TERM STRIP - CONNECTION	CIRCUIT FUNCTION
YELLOW	P1-1	NO CONNECT
ORANGE	P1-2	NO CONNECT
BLACK	P1-3	RTN
RED	P1-4	+VDC
DRAIN	P1-5	NO CONNECT
BROWN	P1-6	NO CONNECT
BLUE	P1-7	NO CONNECT
GRAY	P2-1	RS485 / TXA
PINK	P2-2	RS485 / TXB
GREEN	P2-3	NO CONNECT
WHITE	P2-4	NO CONNECT
VIOLET	P2-5	NO CONNECT
TAN	P2-6	RS485 / RXB
RED/GREEN	P2-7	RS485 / RXA



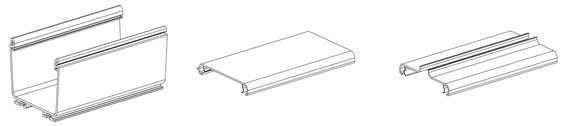
3 - TYPICAL CONTACTLESS AUTHENTICATION AND PINPAD DEVICE

NTS



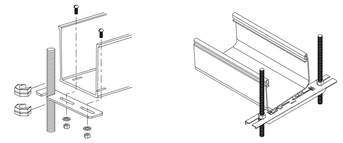
FIBER PATHWAY BEND RADIUS SPILLWAYS (PANDUIT FRVT4X4/FRTR4X4 OR EQUIVALENT):

VERTICAL TEE
TRUMPET SPILLWAY
BEND RADIUS SPILLWAYS REQUIRED AT EVERY RACK LOCATION



FIBER PATHWAY CHANNEL AND COVERS (PANDUIT FR4X4/FRHC4/FRSHC4 OR EQUIVALENT):

4X4" CHANNEL COVER
SOLID COVER
SPLIT HINGED COVER



FIBER PATHWAY MOUNTING BRACKET (PANDUIT FR6TRBE/FR6TBN OR EQUIVALENT):

BRACKET TO MOUNT TO EXISTING THREADED ROD OR
BRACKET TO MOUNT TO NEW THREADED ROD

4 - FIBER PATHWAY AND DETAILS

NTS

KEY NOTES

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD

A/E:
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TELECOMMUNICATIONS DETAILS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	590-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: -
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	Drawing Number: TN503

BIM 360://509-22-700
VAHampton EHRMA
VAHAMPTON, Hampton General
Notes, Diagrams and Details.rvt
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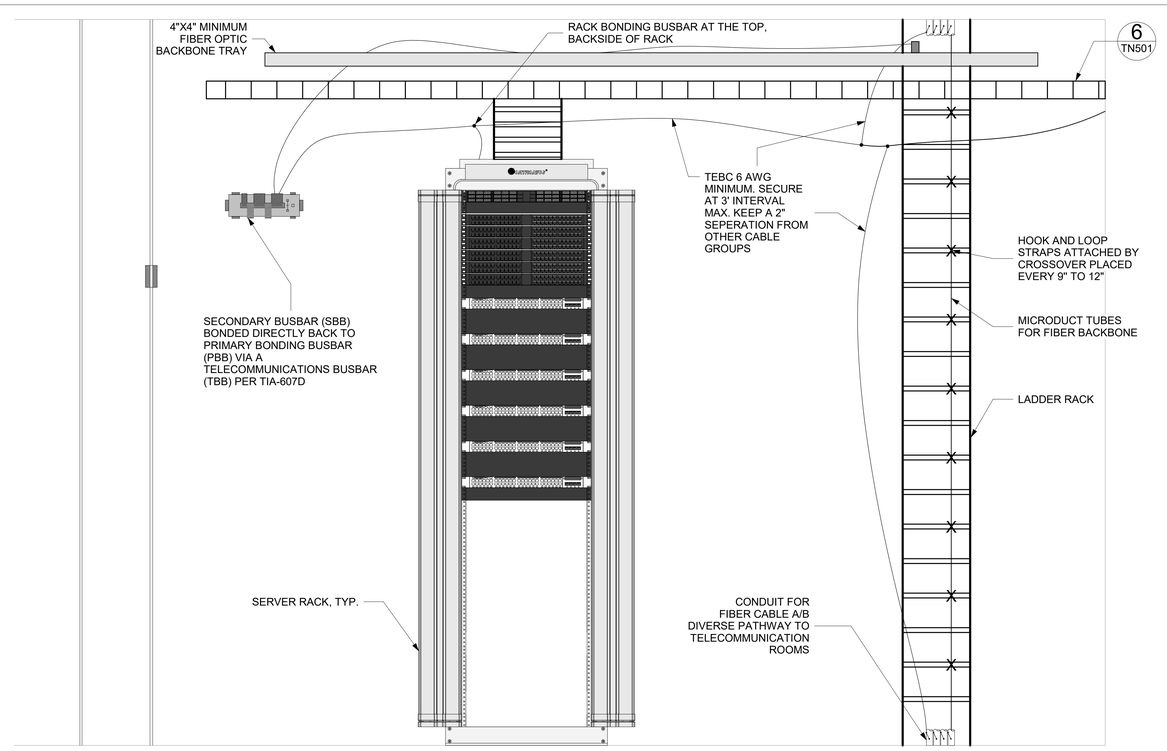
VA FORM 08 - 6231

GENERAL NOTES

1. THIS SHEET SHALL BE PRINTED IN COLOR TO PROVIDE ALL NECESSARY INFORMATION.

1 - NOT USED
NTS

2 - NOT USED
NTS



3 - NOT USED
NTS

4 - TYPICAL TR LADDER RACK ELEVATION
NTS

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
TELECOMMUNICATIONS DETAILS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	590-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: -
		Issue Date: 07/18/2025 · Checked: KG · Drawn: BCL/GPB	Drawing Number: TN504

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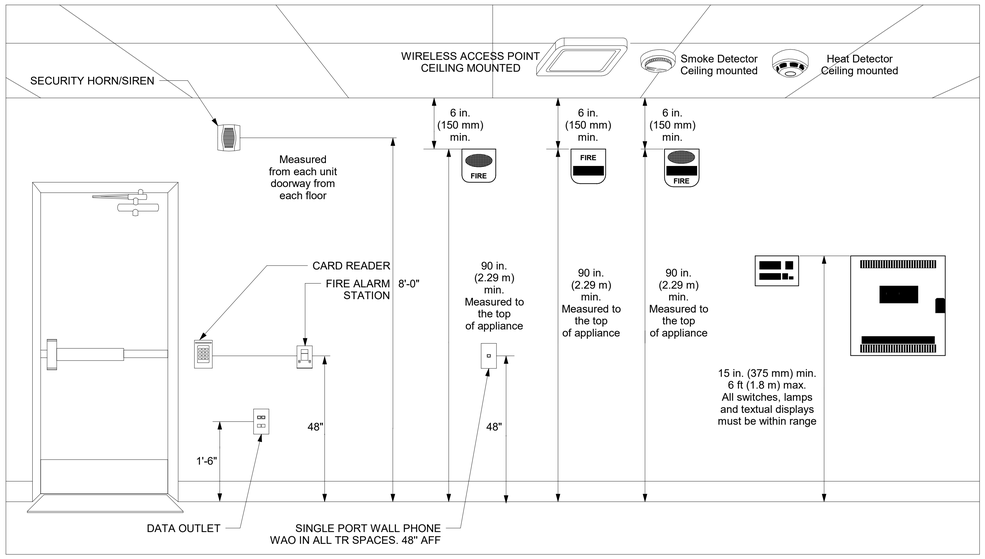
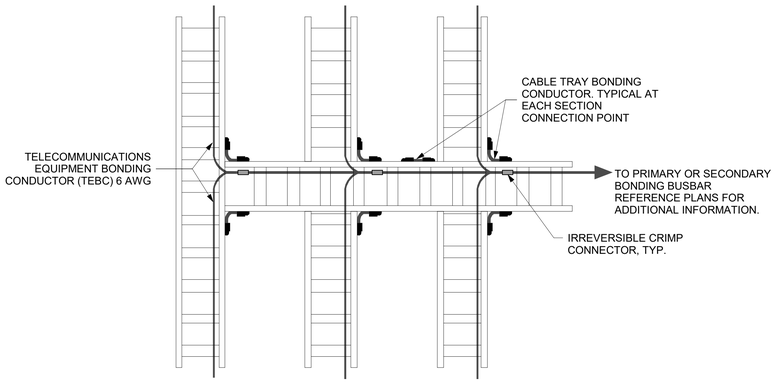
DETAIL NOTES(S):
1. THESE TYPICAL MOUNTING HEIGHTS SHALL BE USED UNLESS OTHERWISE NOTED.



1 NOT USED
NTS

2 TYPICAL DEVICE MOUNTING HEIGHT DETAIL
NTS



3 CABLE TRAY GROUNDING/BONDING REQUIREMENTS
NTS

4 NOT USED
NTS

Revisions:	Date:

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Drawing Title: TELECOMMUNICATIONS DETAILS
Approved:
Phase: 100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Issue Date: 07/18/2025
Checked: KG
Drawn: BCL/GPB
Project Number: 590-22-700
Building Number: -
Drawing Number: TN505

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1 NOT USED
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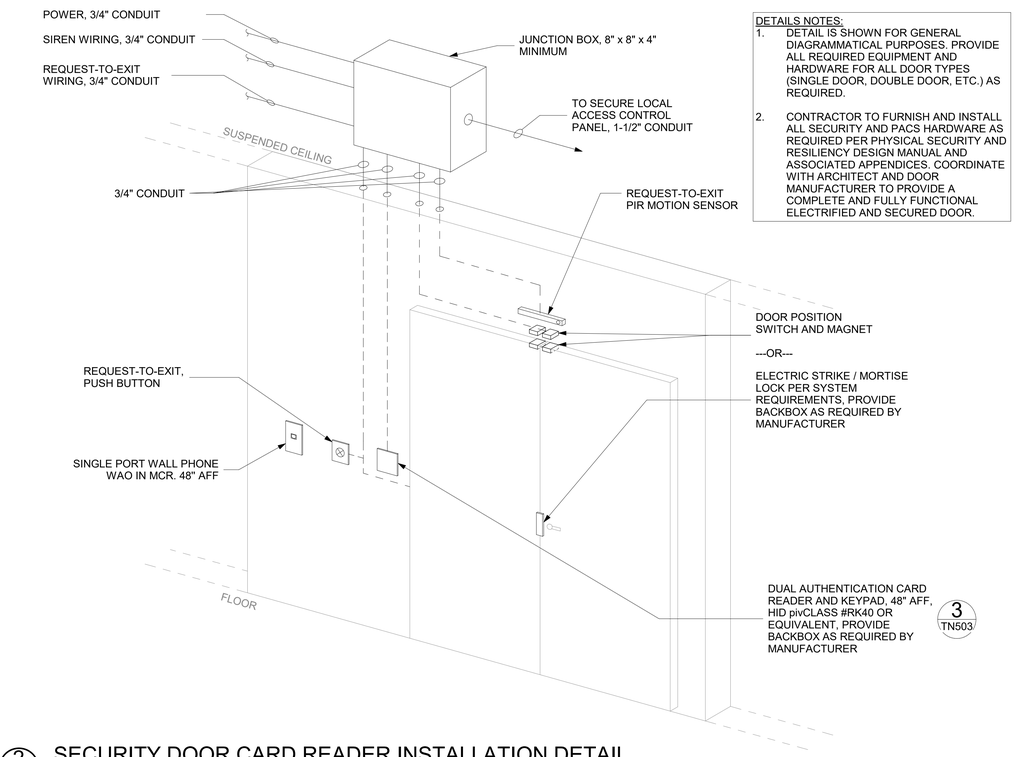
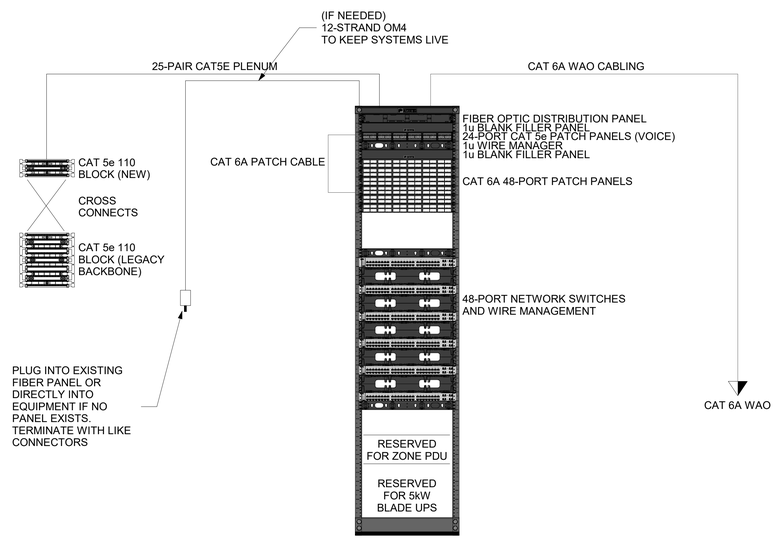
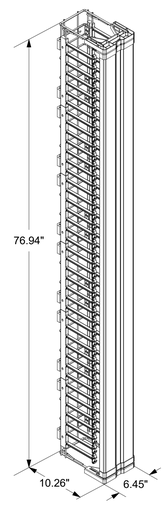


DETAILS NOTES:
1. DETAIL IS SHOWN FOR GENERAL DIAGRAMMATICAL PURPOSES. PROVIDE ALL REQUIRED EQUIPMENT AND HARDWARE FOR ALL DOOR TYPES (SINGLE DOOR, DOUBLE DOOR, ETC.) AS REQUIRED.
2. CONTRACTOR TO FURNISH AND INSTALL ALL SECURITY AND PACS HARDWARE AS REQUIRED PER PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL AND ASSOCIATED APPENDICES. COORDINATE WITH ARCHITECT AND DOOR MANUFACTURER TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL ELECTRIFIED AND SECURED DOOR.

2 SECURITY DOOR CARD READER INSTALLATION DETAIL
NTS



3 EXISTING TR TO NEW TR PHASING CONNECTION
NTS



P/N: OR-MM20VMD706 (OR EQUIVALENT)

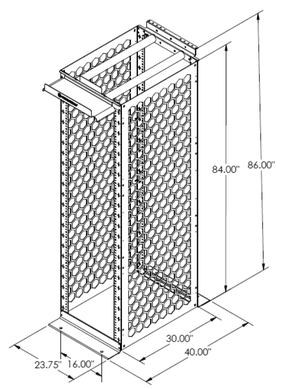
MM20 VERTICAL CABLE MANAGEMENT "CAGE", WITH DOOR, 6.45 IN. X 10.26 IN. X 76.94 IN. WHITE

CAPACITY: 350 CATEGORY 6A PATCH CORDS OR 245 CATEGORY 6A PATCH CORDS

LARGER VCM AUTHORIZED IN ACCORDANCE WITH CABLING REQUIREMENT

4 6 IN. WIDE VERTICAL CABLE MANAGEMENT
NTS

NOTE: TELECOMMUNICATION CHANNEL RACKS ARE REQUIRED IN ALL TELECOMMUNICATION ROOMS.



P/N: OR-MM2073038-W (OR EQUIVALENT)

MIGHTY MO 20 CABLE MANAGEMENT RACK
30 IN. CHANNEL DEPTH, 7 FT HIGH, WHITE FINISH OR EQUIVALENT

DIMENSIONS:
USABLE HEIGHT: 45 RU
DEPTH (US): 30 IN.
HEIGHT (US): 7 FT
WIDTH (US): 23.75 IN.
STATIC LOAD CAPACITY: 2000 LB
SQUARE HOLE

5 TYPICAL RACK DIMENSIONS AND SPECIFICATIONS
NTS

Revisions:	Date:

CONSULTANT
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Drawing Title	Phase	Project Title	Project Number
TELECOMMUNICATIONS DETAILS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	590-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: -
		Issue Date: 07/18/2025 / Checked: KG / Drawn: BCL/GPB	Drawing Number: TN506

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1 - NOT USED
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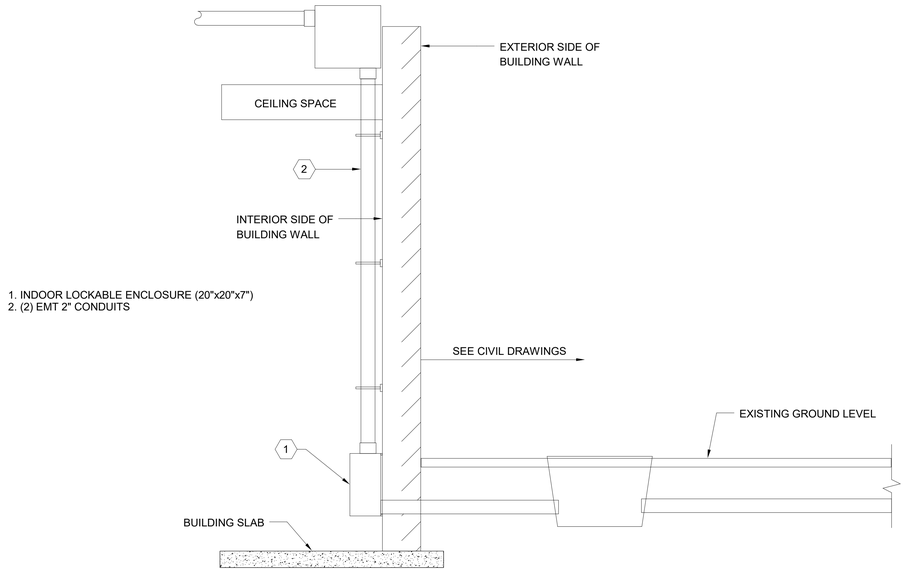

2 - BELOW-GRADE BUILDING ENTRY DETAIL - TYPICAL
NTS

3 - NOT USED
NTS

RECOMMENDED CAT6A SURGE PROTECTOR ITW
LINX SURGE GATE PN# CAT6A-75 OR EQUIVALENT

4 - CAT6A SURGE PROTECTOR
NTS

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TELECOMMUNICATIONS DETAILS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 07/18/2025
Checked: KG
Drawn: BCL/GPB

Project Number: 590-22-700
Building Number: -
Drawing Number: TN507

BIM 360://509-22-700
VAHampton EHRM/VA
VAHampton Hampton General
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15/07/2025 8:37:02 am

VA FORM 08 - 6231

TELECOMMUNICATION WAO, CABLE TRAY, AND FIRE SLEEVE SCHEDULE

BUILDING NO.	FLOOR	TOTAL DATA CONNECTIONS (NOTE 4)	TOTAL DATA RACKS PER TR (NOTE 1)	TELECOMMUNICATIONS ROOM NAME	MINIMUM REQUIRED HORIZONTAL CABLING UTP PATCH PANELS AND NETWORK SWITCHES	MINIMUM HORIZONTAL CABLE TRAY WIDTH REQUIREMENT (INCHES) (NOTE 2 & 3)	MINIMUM REQUIRED FIRESTOP SLEEVES FOR HORIZONTAL CABLE (NOTE 5)
007-011	01	174	2	5A-7	4	12	2
13	01	256	2	A51	6	12	3
14	01	93	1	A02A	2	12	2
15	01	10	-	SERVED BY TR "302A"	-	12	-
15	02	11	-	SERVED BY TR "302A"	-	12	-
15	03	3	1	302A	1	12	2
17	01	92	1(TE)	108	2	12	2
18	01	19	1(TE)	103	1	12	2
27	00	31	-	SERVED BY TR "109A"	-	18	-
	01	312	2	109A	8	18	3
	02	177	2	204D	5	12	2
	03	28	-	SERVED BY TR "204D"	-	12	-
28	01	42	1	103B.1a	2	12	2
	02	17	-	SERVED BY TR "103B.1a"	-	12	-
31	00	11	-	SERVED BY TR "106"	-	12	-
	01	36	1	106	1	12	2
33	01	61	1	105	2	12	2
	02	27	-	SERVED BY TR "105"	-	12	-
37	01	39	1	114	3	12	2
	02	68	-	SERVED BY TR "114"	-	12	-
43	01	162	2	105H	4	12	2
	02	248	2	205H	6	12	3
48	01	16	-	SERVED BY TE "110"	-	12	-
	02	4	1(TE)	110	1	12	2
66	01	308	2	102A	7	18	3
	02	161	2	202F	4	12	2
83	01	63	1	102	2	12	2
110	00	322	2	SGC-1	7	18	4
	01	391	3	S1C1	9	18	6
	02	430	3	S2C-1	9	20	6
	03	331	3	S3C-1	7	18	6
	04	348	2	S4D-1	8	18	4
	05	94	1	C506	3	12	2
	06	39	-	SERVED BY TR "C506"	-	12	-
	07	5	-	SERVED BY TR "C506"	-	12	-
110A	00	77	-	SERVED BY TR "SGC-1"	-	12	-
	01	245	-	SERVED BY TR "S1C1"	-	12	-
	02	164	-	SERVED BY TR "S2C-1"	-	12	-
	03	275	-	SERVED BY TR "S3C-1"	-	12	-
	04	5	-	SERVED BY TR "S4D-1"	-	12	-
	05	1	-	SERVED BY TR "D502A"	-	12	-
110B	00	733	4	GA-157	16	36	7
	01	21	-	SERVED BY TR "2A-154A"	-	36	-
	02	718	4	2A-154A	18	36	8
	03	97	-	SERVED BY TR "2A-154A"	-	36	-
110C	00	54	-	SERVED BY TR "GA-157"	-	12	-
110D	01	12	-	SERVED BY TR "GA-157"	-	12	-
113	1	96	1	AG31	2	12	2
	1	215	2	BG-10	5	12	2
114	01	142	-	SERVED BY TR "A114"	-	12	-
	02	95	2	A114	5	12	3
116	01	158	2	103B	4	12	2
135	00	265	-	SERVED BY TR "10B"	-	24	-
	01	240	-	SERVED BY TR "10B"	-	24	-
137	01	533	3	A85	12	24	5
	01	204	2	B105B	5	12	2
	01	145	2	1C142	4	12	2
	01	353	2	C175	8	18	4
138	01	120	-	SERVED BY TR "90A"	-	12	-
138A	00	76	-	SERVED BY TR "90A"	-	12	-
146	01	182	2	3	4	12	2
	02	186	2	90A	4	12	4
148	01	230	2	A185	5	12	2
	01	177	2	B185	4	12	2
	01	227	2	C185	5	12	2
	01	152	2	D185	4	12	2
148T	01	156	2	115	4	12	2
168	00	81	3	10B	2	12	6
173-173A	01	39	1	161	1	12	2

Notes:

1. REFERENCE TR ENLARGED PLANS FOR EXACT RACK QUANTITY PER TR.
2. CABLE TRAY DEPTH SHALL BE 6". PROVIDE LENGTH AS REQUIRED. CABLE TRAY SHALL BE PROVIDED TO NOT EXCEED 40% FILL.
3. BUILDING DISTRIBUTION CABLE TRAYS AND ASSOCIATED TR CABLE TRAYS SHALL BE EQUAL IN SIZE.
4. TOTAL NUMBER OF DATA CONNECTIONS AND CABLING FOR WAO SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ACQUISITION OF EQUIPMENT AND CABLING. CONTRACTOR SHALL PROVIDE AN INITIAL SURVEY OF ALL AREAS TO HAVE UPGRADED WAOs AND OTHER DATA CONNECTED EQUIPMENT IN ORDER TO VERIFY EXACT LOCATIONS AND QUANTITIES PRIOR TO CONSTRUCTION.

PHYSICAL SECURITY DEVICE SCHEDULE

		DEVICE			
		Camera	Card Reader with Pin Pad	Motion Sensor	Request-to-Exit
ROOM TYPE	Telecommunications rooms (Note 1)	X	X	X	X

Notes:
1. Typical to all telecommunications rooms.

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 203
KENT, WA 98032

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TELECOMMUNICATIONS SCHEDULES

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

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Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 07/18/2025

Checked: KG

Drawn: BCL/GPB

Project Number: 590-22-700

Building Number: -

Drawing Number: TN701

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Hampton Phase 1 Upgrades General
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VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL

INDICATES DIRECTION OF TRUE NORTH
PLAN OR DETAIL NUMBER
PLAN OR DETAIL NAME
VIEW NAME
1/8" = 1'-0"
PLAN OR DETAIL SCALE

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS
DETAIL REFERRED TO BY SECTION CUT
SHEET DETAIL IS LOCATED ON — T101

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
NEW
EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
EXISTING
EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

SUGGESTED MATRIX OF RESPONSIBILITY

ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
TECHNOLOGY ROUGH-IN, REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3. 4.
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2. 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.C.	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLING, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.
TECHNOLOGY OUTSIDE PLANT CONDUITS, HANDHOLES, AND MANHOLES	T-SERIES	E.C.	E.C.	

SUGGESTED MATRIX OF RESPONSIBILITY NOTES

1. LOCATIONS OF TELECOMMUNICATIONS ROUGH-INS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE DRAWINGS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
2. BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
3. INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
4. ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
5. UNLESS TRADE RULES DICTATE OTHERWISE.

TECHNOLOGY SYMBOL LIST

SYMBOL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:
	MHXX	PATHWAY TECHNOLOGY MANHOLE (FLOOR) TYPE 1	-
	HHXX	PATHWAY TECHNOLOGY HANDHOLE (FLOOR) TYPE 1	-
WIDTH X HEIGHT		CABLE TRAY, CHANNEL TRAY, BASKET TRAY	
WIDTH X HEIGHT		LADDER RACK	
DIAMETERø C		CONDUIT	
		CONDUIT DOWN	
		CONDUIT UP	
		CONDUIT SLEEVE	
		CONTINUATION	

GENERAL NOTES:

1. ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
2. ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
3. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.
4. REFER TO RISERS ON SHEET(S): T500, T501.

TECHNOLOGY SYMBOL NOTES:

1. REFER TO LINE TYPE KEY FOR NEW, EXISTING TO REMAIN, OR DEMO LINE TYPE.
2. SYMBOL SUBSCRIPT INDICATES DEVICE TYPE. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE 00-T600 FOR ADDITIONAL INFORMATION.

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

TECHNOLOGY EQUIPMENT SCHEDULE

THE EQUIPMENT LIST ABBREVIATIONS AND THE TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

CATALOG NUMBERS ARE NOT TO BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.

EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	MANUFACTURER AND MODEL
HH##	HANDHOLE COMPOSITE POLYMER CONCRETE BODY AND COVER. STAINLESS STEEL HARDWARE BOLTED NON-SKID COVER RATED FOR 15,000LB. DESIGN LOAD OCCASIONAL NON-DELIBERATE VEHICULAR TRAFFIC. STACK UNITS TO ACIEVE DEPTH SHOWN ON PLANS. UNITS IN LANDSCAPED AREAS SHALL BE GREEN IN COLOR. "COMMUNICATIONS" LOGO ON HANHOLE COVER. CONTRACTOR SHALL FIELD VERIFY QUANTITY AND LOCATIONS. REFER TO 2/00-T400 FOR DETAIL. PW-HH-1 = 24"WX24"L.	HUBBELL/QUAZITE PG2424BB24 PG2424HA00 CARSON INDUSTRIES ARMORCAST HIGHLINE PRODUCTS SYNERTECH
MH##	PRE-CAST CONCRETE MAINTENACE HOLE. AIR ENTRAINED 4000 PSI AASHTO HS-20; BRIDGE LOADING. MONOLITHIC CONSTRUCTION IN MODULAR SECTIONS WITH TONGUE AND GROOVE JOINTS. SQUARE RECTANGUALR SHAPE WITH TRUNCATED CORNIERS.30 INCH DIAMETER CLEAR OPENING. REFER TO 00-T400 FOR ADDITIONAL INFORMATION INCLUDING SIZE.	OLD CASTLE PRE-CAST JENSEN PRE-CAST E.C. BABBERT
PW-PB-1	JUNCTION BOX, SURFACE MOUNT , SIZE PER N.E.C., SEE SPECIFICATIONS FOR GENERAL CONSTRUCTION, USE OF THIS SYMBOL DOES NOT INDICATE ALL JUNCTION BOXES REQUIRED FOR THIS CONTRACT ARE SHOWN.	SEE SPECIFICATIONS
SC-FDC-1	FIBER DISTRIBUTION CABINET - 19"W x 1.75"H x 17" DEEP, RACK MOUNTED ENCLOSURE, 1RMU, 16-GUAGE STEEL, POWDER-COATED BLACK FINISH, REMOVABLE TRANSPARENT HINGED DOOR, SLIDE-AWAY COVER, MOUNTING BRACKETS, REMOVABLE RUBBER GROMMETS, ACCEPTS SDX ADAPTER PLATE AND (3) MTP CASSETTES.	LEVITON #5R1UH-03 #5F100-S4L #5F100-16A OR APPROVED EQUAL
SC-FDC-2	FIBER DISTRIBUTION CABINET - 19"W x 3.50"H x 17" DEEP, RACK MOUNTED ENCLOSURE, 1RMU, 16-GUAGE STEEL, POWDER-COATED BLACK FINISH, REMOVABLE TRANSPARENT HINGED DOOR, SLIDE-AWAY COVER, MOUNTING BRACKETS, REMOVABLE RUBBER GROMMETS, ACCEPTS SDX ADAPTER PLATE AND (6) MTP CASSETTES.	LEVITON #5R2UH-06 #5F100-S4L #5F100-16A OR APPROVED EQUAL
SC-LR-1	LADDER RACK. 18" W TUBULAR STEEL CONSTRUCTION, RUST RESISTANT BLACK ENAMEL FINISH. U.L. LISTED. PROVIDE COMPLETE WITH ALL NECESSARY ADAPTERS, SUPPORT HARDWARE, AND FITTINGS, TO INCLUDE RADIUS DROPS. REMOVE SHARP BURRS FROM LADDER RACK AND REPAINT ALL AREAS THAT HAVE BEEN FIELD MODIFIED, CUT, OR EXPOSED.	CHATSWORTH 10250-718 OR PRE-APPROVED EQUAL
SC-MDA-1	ENCLOSED CABINET, FLOOR MOUNT, 83.4"H x 40"W x 43.3"D. 19" PANEL MOUNTING, SQUARE PUNCHED CAGE NUT RAILS, 45RU, PERFORATED METAL FRONT DOOR WITH KEYED SWING HANDLE LOCK, DOUBLE PERFORATED METAL REAR DOOR WITH KEYED SWING HANDLE LOCK. PROVIDE WITH (2) SIDE PANELS WITH BRUSHED SEALED CABLE OPENINGS.	CHATSWORTH N-SERIES TERARAME GEN3: NF8N-114C-E42-1 (WHITE) SIDE PANELS: 39043-E63 OR EQUAL
SC-MPP-1	ANGELD MODULAR PATCH PANEL, (48) MODULAR HIGH-DENSITY CATEGORY 6A RJ45TERMINATIONS. MOUNTS DIRECTLY TO EIA/TIA STANDARD 19" RELAY RACK, PORTIDENTFICATION NUMBER, PROVIDED WITH COLORCODING AND LABEL HOLDER KITS, 1.75"MOUNTING SPACE, UL LISTED. PROVIDED WITH PANGLE PANEL COVER AND REAR CABLEMANAGER	LEVITON E2X1A-D48

TELECOM ROOM REFERENCES

TELECOM ROOM	DETAIL / SHEET REFERENCE	FLOOR PLAN REFERENCE	ARCH ROOM NUMBER
TR #5A-7	1/07-11-T400	07-11-T101	5A-7
TR #A51	1/13-T400	13-T201	A51
TR #A02A	1/14-T400	14-T201	A02A
TR#302A	1/15-T400	15-T201	302A
TE #108	1/17-T400	17-T201	108
TE #103	1/18-T400	18-T101	103
TR #109A	1/27-T400	27-T201	109A
TR# 204D	3/27-T400	27-T202	204D
TR #103B.1a	1/28-T400	28-T201	103B.1a
TR#106	1/31-T400	31-T201	106
TR #105	1/33-T400	33-T201	105
TR #1C	1/35-36-T400	35-36-T201	1C
TR #114	1/37-T400	37-T201	114
TR #105H	1/43-T400	43-T201	105H
TR #205H	4/43-T400	43-T202	205H
TR #105	1/44-T400	44-T101	103
TR #202	1/44-T401	44-T102	202
TE #110	1/48-T400	48-T202	110
TR #102A	1/66-T400	66-T201	102A
TR #202F	4/66-T400	66-T202	202F
TR #102	1/83-T400	83-T201	102
TR #SGC -1	1/110-T400	110-T200	SGC -1
TR #S1C-1	3/110-T400	110-T201	S1C1
TR #S2C-1	5/110-T400	110-T202	S2C-1
TR #S3C-1	7/110-T400	110-T203	S3C-1
TR #S4D-1	1/110-T401	110-T204	S4D-1
TR #C506	3/110-T401	110-T205	C506
TR #GA-157	1/110B-T400	110B-T201	GA-157
TR #2A-154A	4/110B-T400	110B-T203	2A-154A
TR #BG10	1/113-T400	113-T101	BG10
TR #AG15S	3/113-T400	113-T101	AG15S
TR #A114	1/114-T400	114-T101	A114
TR #103B	1/116-T400	116-T201	103B
TR #1C142	1/137-T401	137-T201	1C142
TR #B105B	3/137-T400	137-T201	B105B
TR #A85	1/137-T400	137-T201	A85
TR #C175	1/137-T401	137-T201	C175
TR #149	1/144-T400	144-T201	149
TR #251	4/144-T400	144-T202	251
TR #90A	3/146-T400	146-T201	90A
TR #3	1/146-T400	146-T201	3
TR #B185	4/148-T401	148-T101	B185
TR #C185	1/148-T401	148-T101	C185
TR #D185	1/148-T400	148-T101	D185
TR #A185	4/148-T400	148T-T101	A185
TR #115	1/148T-T400	148T-T101	115
TR#10	1/168-T400	168-T201	10B
TR #161	1/173A-T400	173A-T201	161

TECHNOLOGY SHEET INDEX

T-000	TECHNOLOGY COVERSHEET
TS-001	FACILITY SITE PLAN
711T-101	BLDG. 07,11 LEVEL 01 PLAN - TECHNOLOGY
711T-400	BLDG. 07,11 TECHNOLOGY DETAILS AND DIAGRAMS
13T-201	BLDG. 13 LEVEL 01 PLAN - TECHNOLOGY
13T-400	BLDG. 13 TECHNOLOGY DETAILS AND DIAGRAMS
14T-201	BLDG.14 LEVEL 01 PLAN - TECHNOLOGY
14T-400	BLDG.14 TECHNOLOGY DETAILS AND DIAGRAMS
15T-201	BUILDING 15-LEVEL 01 PLAN - TECHNOLOGY
15T-202	BUILDING 15-LEVEL 02 PLAN - TECHNOLOGY
15T-203	BUILDING 15-CATWALK LEVEL PLAN - TECHNOLOGY
15T-400	TECHNOLOGY ENLARGED PLANS
17T-201	BLDG.17 LEVEL 01 PLAN - TECHNOLOGY
17T-400	BLDG.17 TECHNOLOGY DETAILS AND DIAGRAMS
18T-101	BLDG.18 LEVEL 01 PLAN - TECHNOLOGY
18T-400	BLDG.18 TECHNOLOGY DETAILS AND DIAGRAMS
27T-200	BLDG.27 BASEMENT PLAN - TECHNOLOGY
27T-201	BLDG.27 LEVEL 01 PLAN - TECHNOLOGY
27T-202	BLDG.27 LEVEL 02 PLAN - TECHNOLOGY
27T-400	BLDG.27 TECHNOLOGY DETAILS AND DIAGRAMS
28T-201	BLDG.28 LEVEL 01 PLAN - TECHNOLOGY
28T-400	BLDG.28 TECHNOLOGY DETAILS AND DIAGRAMS
31T-100	BLDG.31 BASEMENT PLAN - TECHNOLOGY
31T-101	BLDG.31 LEVEL 01 PLAN - TECHNOLOGY
31T-400	BLDG.31 TECHNOLOGY DETAILS AND DIAGRAMS
33T-201	BLDG.33 LEVEL 01 PLAN - TECHNOLOGY
33T-400	BLDG.33 TECHNOLOGY DETAILS AND DIAGRAMS
3536T-201	BLDG.35-36 LEVEL 01 PLAN - TECHNOLOGY
3536T-400	BLDG.35-36 TECHNOLOGY ENLARGEMENT PLANS
37T-201	BLDG.37 LEVEL 01 PLAN - TECHNOLOGY
37T-400	BLDG.37 TECHNOLOGY ENLARGEMENT PLANS
43T-201	BLDG.43 LEVEL 01 PLAN - TECHNOLOGY
43T-202	BLDG.43 LEVEL 02 PLAN - TECHNOLOGY
43T-400	BLDG.43 TECHNOLOGY ENLARGEMENTS
44T-101	BLDG.44 LEVEL 01 PLAN - TECHNOLOGY
44T-102	BLDG.44 LEVEL 02 PLAN - TECHNOLOGY
44T-400	BLDG.44 TECHNOLOGY ENLARGED PLANS
48T-201	BLDG.48 LEVEL 01 PLAN - TECHNOLOGY
48T-202	BLDG.48 LEVEL 02 PLAN - TECHNOLOGY
48T-400	BLDG.48 TECHNOLOGY DETAILS AND DIAGRAMS
66T-201	BLDG.66 LEVEL 01 PLAN - TECHNOLOGY
66T-202	BLDG.66 LEVEL 02 PLAN - TECHNOLOGY
66T-400	BLDG.66 TECHNOLOGY DETAILS AND DIAGRAMS
83T-201	BLDG.83 LEVEL 01 PLAN - TECHNOLOGY
83T-400	BLDG.83 TECHNOLOGY DETAILS AND DIAGRAMS
110AT-202	BLDG.110A LEVEL 02 PLAN - TECHNOLOGY
110BT-201	BLDG.110B LEVEL 01 PLAN - TECHNOLOGY
110BT-203	BLDG.110B LEVEL 02 PLAN - TECHNOLOGY
110BT-400	BLDG.110B TECHNOLOGY ENLARGED PLANS
110T-200	BLDG.110 BASEMENT PLAN - TECHNOLOGY
110T-201	BLDG.110 LEVEL 01 PLAN - TECHNOLOGY
110T-202	BLDG.110 LEVEL 02 PLAN - TECHNOLOGY
110T-203	BLDG.1110 LEVEL 03 PLAN - TECHNOLOGY
110T-204	BLDG.110 LEVEL 04 PLAN - TECHNOLOGY
110T-205	BLDG.110 LEVEL 05 PLAN - TECHNOLOGY
110T-400	BLDG.110 TECHNOLOGY ENLARGEMENTS
110T-401	BLDG.110 TECHNOLOGY ENLARGEMENTS
110T-601	BLDG. 110 TECHNOLOGY DIAGRAMS
113T-101	BLDG.113 LEVEL 01 PLAN - TECHNOLOGY
113T-400	BLDG.113 TECHNOLOGY ENLARGED PLANS
114T-101	BLDG.114 LEVEL 01 PLAN - TECHNOLOGY
114T-102	BLDG.114 LEVEL 02 PLAN - TECHNOLOGY
114T-400	BLDG.114 TECHNOLOGY ENLARGED PLANS
116T-201	BLDG.116 LEVEL 01 PLAN - TECHNOLOGY
116T-400	BLDG.116 TECHNOLOGY ENLARGED PLANS
135T-200	BLDG. 135 LEVEL 00 - GROUND PLAN -TECHNOLOGY
135T-400	BLDG. 135 TECHNOLOGY ENLARGED PLANS
137T-201	BLDG.137 LEVEL 01 PLAN - TECHNOLOGY
137T-400	BLDG.137 TECHNOLOGY ENLARGED PLANS
137T-401	BLDG.137 TECHNOLOGY ENLARGED PLANS
144T-101	LEVEL 01 PLAN - TECHNOLOGY
144T-102	LEVEL 02 PLAN - TECHNOLOGY
144T-400	TECHNOLOGY ENLARGED PLANS
146T-201	BLDG.146 LEVEL 01 PLAN - TECHNOLOGY
146T-400	BLDG.146 TECHNOLOGY ENLARGED PLANS
148T-101	BLDG.148 LEVEL 01 PLAN - TECHNOLOGY
148T-400	BLDG.148 TECHNOLOGY ENLARGED PLANS
148T-401	BLDG.148 TECHNOLOGY ENLARGED PLANS
148TT-101	BLDG.148T LEVEL 01 PLAN - TECHNOLOGY
148TT-400	BLDG.148T TECHNOLOGY ENLARGED PLANS
168T-100	BLDG. 168 LEVEL 00 PLAN - TECHNOLOGY
168T-400	BLDG. 168 TECHNOLOGY ENLARGED PLANS
173AT-201	BLDG. 173 LEVEL 01 PLAN - TECHNOLOGY
173AT-400	BLDG. 173 TECHNOLOGY ENLARGED PLANS
T-400	TECHNOLOGY DETAILS
T-401	TECHNOLOGY DETAILS
T-500	TECHNOLOGY DIAGRAMS
T-501	TECHNOLOGY DIAGRAMS
GRAND TOTAL: 88	

FIRE / SMOKE BARRIER DESIGNATIONS

THE LINE TYPES SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

ALL [FLOOR, FLOOR CEILING, AND ROOF CEILING] ASSEMBLIES SHALL BE DESIGNATED AS [1], [2], [3], [4] HOUR FIRE [/SMOKE], BARRIER(S), UNLESS NOTED OTHERWISE ON THE PLANS. RATINGS WERE ACQUIRED FROM THE ARCHITECTURAL PLANS.

FIRE PARTITION	
1 HOUR FIRE BARRIER	
2 HOUR FIRE BARRIER OR WALL	
3 HOUR FIRE BARRIER OR WALL	
4 HOUR FIRE BARRIER OR WALL	
SMOKE PARTITION	
SMOKE BARRIER	
1 HOUR FIRE/SMOKE BARRIER OR SHAFT ENCLOSURE	
2 HOUR FIRE/SMOKE BARRIER OR SHAFT ENCLOSURE	
3 HOUR FIRE/SMOKE BARRIER	
4 HOUR FIRE/SMOKE BARRIER	

TECHNOLOGY GENERAL NOTES:

1. PW-CPW-1 INDICATES TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
2. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
3. IF CONFLICT ARISES BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE VA INFRASTRUCTURE STANDARD FOR TELECOMMUNICATIONS SPACES (ISTS) V4.0, PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL (VAPSRDM 2023) AND DIVISION 27/28 SPECIFICATIONS SHALL TAKE PRECEDENCE.

TECHNOLOGY MOUNTING SUBSCRIPT KEY:
A MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
H MOUNT ORIENTED HORIZONTALLY
L MOUNT IN CASEWORK
M MOUNT IN MODULAR FURNITURE
S MOUNT IN SURFACE RACEWAY

A SLASH IS USED BETWEEN TWO SUBSCRIPTS, E.G., A/H.

TECHNOLOGY INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED TO BUILDING STRUCTURE.
3. TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
5. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO DIVISION 7 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
6. THE TECHNOLOGY CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF THE CEILINGS, CEILING TILES, AND CEILING GRID ASSOCIATED WITH THE AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
7. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.

TECHNOLOGY PHASING NOTES

1. THE EXISTING TELECOMMUNICATIONS BACKBONE TO REMAIN OPERATIONAL DURING THE INSTALLATION OF THE NEW TELECOMMUNICATIONS BACKBONE. THE SYSTEM SHALL NOT BE DISRUPTED UNLESS COORDINATED IN ADVANCE WITH THE OWNER AND ENGINEER AND AT THEIR DISCRETION ON DATE AND TIME.
2. REFER TO THE DRAWINGS FOR THE LOCATIONS OF THE NEW TELECOMMUNICATIONS BACKBONE CABLING, PATHWAYS AND DATA CENTER. PORTIONS OF THE EXISTING BACKBONE PATHWAY SYSTEM SHALL BE MAINTAINED, ALL CABLING TO BE NEW WHEN PROJECT IS COMPLETE.
3. REFER TO DRAWING TS001 FOR MCR AND BACKBONE PHASING REQUIREMENTS.

TECHNOLOGY OUTSIDE PLANT NOTES

1. THE LOCATION OF THE CONDUIT, HAND HOLES AND/OR MAINTENANCE HOLES SHOWN ARE APPROXIMATE LOCATIONS. FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIVATE AND/OR PUBLIC PRIOR TO THE INSTALLATION OF THE COMPONENT. FIELD COORDINATE THE FINAL LOCATION WITH THE OWNER AND ENGINEER PRIOR TO INSTALLATION.
2. POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES, IF APPLICABLE, SHALL BE INCLUDED IN THE CONTRACTOR'S BID. CONTRACTOR IS RESPONSIBLE FOR FINAL PLACEMENT OF HAND HOLES AND/OR MAINTENANCE HOLES AND SHALL NOTIFY THE ENGINEER OF FINAL LOCATIONS PRIOR TO INSTALLATION.
3. HAND HOLES AND/OR MAINTENANCE HOLES SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE GROUND LINE.
4. REMOVAL AND REPLACEMENT OF THE EXISTING UNDERGROUND UTILITIES THAT ARE REQUIRED TO COMPLETE THE INSTALLATION SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
5. CONTRACTOR SHALL INCLUDE IN THEIR BID ANY REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, GRASS, SHRUBS, TREES, ETC. THAT WILL BE IMPACTED BY THE INSTALLATION OF THE NEW CONDUITS SHOWN ON THE DRAWINGS. IF TREES ARE REQUIRED TO BE REMOVED THE CONTRACTOR SHALL CONTACT THE OWNER AND DISCUSS OPTIONS PRIOR TO CUTTING DOWN ANY TREE OR SHRUB.
6. NO ADDITIONAL COST SHALL BE APPROVED FOR PLACING CONDUITS DEEPER THAN REQUIRED MINIMUM DEPTH TO AVOID EXISTING UNDERGROUND UTILITIES.
7. PROVIDE A MINIMUM OF 10'-0" SLACK LOOP WITHIN EACH HAND HOLE AND/OR 25'-0" FOR EACH MAINTENANCE HOLE. SLACK LOOP SHALL BE SECURE SO COPPER OR FIBER IS NOT RESTING ON EARTH AFTER FINAL INSTALLATION.

TECHNOLOGY ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFC	BELOW FINISHED CEILING
C	CONDUIT
DE	DELAYED EGRESS
DPDT	DOUBLE POLE DOUBLE THROW
FOV	FIELD OF VIEW
J-BOX	JUNCTION BOX
POE	POWER OVER ETHERNET
PTZ	PAN TILT ZOOM
SIM	SIMILAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
+#	MOUNTING HEIGHT ABOVE FINISHED FLOOR
TR-#	TELECOMMUNICATIONS ROOM
TE-#	TELECOMMUNICATIONS ENCLOSURE
MCR	MAIN COMPUTER ROOM

Revisions:	Date:

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

Drawing Title: TECHNOLOGY COVERSHEET	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number:
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: T-000
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	626 of 713

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- BUILDINGS WITHIN THE SCOPE OF THIS PROJECT

1 TECHNOLOGY SITE PLAN

1" = 100'-0"

CAMPUS SITE OPTICAL FIBER BACKBONE CABLE LEGEND	
DESIGNATION	DESCRIPTION OF CABLES IN CONDUITS
(##) A	QTY. OF A-LOOP 24-STRAND OS2 CABLES.
(##) A1	QTY. OF A-LOOP 24-STRAND OM4/ 12-STRAND OS1 HYBRID CABLES.
(##) B	QTY. OF B-LOOP 24-STRAND OS2 CABLES.
(##) B1	QTY. OF B-LOOP 24-STRAND OM4/ 12-STRAND OS1 HYBRID CABLES.

NOTES:

1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PERFORMING A DETAILED TAKE-OFF AND VERIFYING ALL OPTICAL FIBER CABLING QUANTITES, ROUTES, AND CONFIGURATIONS INDICATED ON THE DRAWINGS. VERIFICATION MUST BE COMPLETED PRIOR TO BID SUBMISSION, MATERIAL PROCUREMENT, AND INSTALLATION.

GENERAL NOTES:

1. MAXIMUM DISTANCE BETWEEN MANHOLES AND HAND HOLES SHALL BE 400 FEET.
2. LATERAL PATHWAYS FROM THE CAMPUS MAIN LOOPS TO INDIVIDUAL BUILDINGS SHALL CONSIST OF TWO (2) 4" CONDUITS. PROVIDE TWO (2) DIVERSE PATHS FOR CLINICAL BLDGS.
3. REFER TO INDIVIDUAL BUILDING FLOOR PLANS FOR ENTRANCE LOCATIONS OF PATHWAYS A AND B INTO THE BUILDING. REFER TO BUILDINGS 135 AND BUILDING 110 ON SITE PLAN FOR START OF A-LOOP AND B-LOOP DUCTBANK ROUTING.
4. REFER TO T-400 FOR DUCTBANK DETAILS.
5. REFER TO T-401 FOR EXTERIOR WALL MOUNTED PULLBOX DETAILS.
6. PROVIDE (3) #MXE52224 MAXCELL 4-CELL FABRIC INNERDUCTS IN EACH 4" CONDUIT.
7. CORE A AND CORE B DUCTBANKS ARE IN COMMON TRENCH FOR MAIN CAMPUS OPTICAL FIBER CABLE LOOP.
8. NEW BACKBONE OPTICAL FIBER CABLE JACKETS SHALL BE INDOOR/OUTDOOR RATED.
9. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
10. ALL EXISTING COPPER VOICE BACKBONE CABLES TO REMAIN. PROTECT IN PLACE.
11. AFTER REMOVAL OF EXISTING OPTICAL FIBER BACKBONE CABLES FROM OUT-BUILDING TR BACK TO EXISTING MAIN COMPUTER ROOM IN BDLG #135, CREATE A CABLE SCHEDULE OF REMAINING ACTIVE BACKBONE CABLES IN EXISTING UNDERGROUND DUCTBANKS. SCHEDULE SHALL INCLUDE CABLE TYPES, QUANTITIES, PATHWAY SIZE, AND AVAILABLE CAPACITY.

KEY NOTES: (#)

1. PROVIDE (6) 4" CONDUITS FOR CORE A AND CORE B BETWEEN ALL MANHOLES ON CAMPUS NEW MAIN BACKBONE FIBER LOOP.
2. MANHOLE, TYPE MHXX, REFER TO DETAIL 1/T400. "XX" REPRESENT NUMBERING OF MANHOLE ON CAMPUS FIBER LOOP.
3. HANDHOLE, TYPE HHXX, REFER TO DETAIL 2/T400. "XX" REPRESENT NUMBERING OF HANDHOLE ON CAMPUS FIBER LOOP.
4. APPROXIMATE LOCATION OF EXISTING SERVICE PROVIDERS' (SP1 AND SP2) UNDERGROUND CONDUIT DUCTBANK ROUTE BETWEEN BUILDINGS AND EXISTING MAIN COMPUTER ROOM (MCR).
5. PROVIDE (2) 4"C DUCTBANK WITH MAXCELL CELL PACK AND ROUTE FROM EXISTING SP2 MANHOLE INTO COMMON TRENCH WITH NEW FIBER DUCTBANK LOOP.
6. LOCATION OF B-LOOP AND SP2 CONDUIT ENTRY INTO BUILDING 110. REFER TO BUILDING 110 PLANS FOR CONTINUATION.
7. ROUTE NEW A-LOOP CONDUITS BELOW GRADE OUT OF BLDG #135 NEAR TO EXISTING TELECOM CONDUIT DUCTBANK ROUTED BETWEEN BLDG #135 AND #116. MAINTAIN SEPARATION BETWEEN DUCTBANKS AND DO NOT DISTURB EXISTING CONDUIT DUCTBANK DURING ROUTE OF NEW CONDUIT DUCTBANK. REFER TO BLDG 135 PLANS FOR CONTINUATION OF CONDUIT ROUTE IN BLDG 135.
8. ADD NEW 4" CONDUITS INTO DUCTBANK LOOP AT MANHOLE #MH15 WITH CONDUITS ROUTED WEST.
9. BUILDINGS #50, #52 SHALL RECEIVE DUCTBANKS AND HANDHOLES WITH 100FT OF COILED FIBER LOOP SLACK PER HANDHOLE. PROVIDE WEATHERPROOF BAG TO PROTECT FIBER LOOP SLACK IN HANDHOLE.
10. LOCATION OF SERVICE PROVIDER SP1 EXISTING SITE UTILITY POLE. CONTRACTOR SHALL PROVIDE (2) 4" CONDUITS STUBBED UP AT BASE OF POLE AND EXTEND TO NEW HANDHOLE. PROVIDE ADDITIONAL (2) 4"C DUCTBANK FROM NEW HANDHOLE TO EXISTING MANHOLE IN PARKING LOT.
11. PROVIDE 4"C DUCTBANK FROM EXISTING MANHOLE AND ROUTE INTO COMMON TRENCH WITH NEW CAMPUS DUCTBANK LOOP. CONTINUE ROUTE OF SP1 CONDUITS INTO BLDG #135.
12. ROUTE CAMPUS NEW MAIN FIBER DUCTBANK LOOP THROUGH CRAWL SPACE OF BLDG #146. PROVIDE CONDUITS FROM MAIN DUCTBANK TO TR IN BLDG 146, CORE A AND CORE B LATERALS TO BLDG 148T. REFER TO BLDG 146 FLOOR PLAN FOR ADDITIONAL WORK REQUIREMENTS.REFER TO 4/T400 FOR DUCTBANK DETAILS.

VA HAMPTON EHRM - MAIN COMPUTER ROOM (MCR) PHASING SEQUENCE:

PHASE 1 - CAMPUS INFRASTRUCTURE

- INSTALL NEW DUCTBANK SYSTEM AND NEW BACKBONE OPTICAL FIBER CABLE PULLS.

PHASE 2 - CAMPUS BACKBONE CABLING

- PULL NEW OPTICAL FIBER CABLES THROUGH DUCTBANKS AND BUILDING TO EXISTING, EXPANDED OR NEW TRs.
- IN BUILDINGS, TERMINATE NEW OPTICAL FIBER CABLES IN NEW FIBER ENCLOSURES IN NEW RACKS.
- IN EXISTING MCR, TERMINATE NEW OPTICAL FIBER CABLES IN NEW FIBER ENCLOSURES IN NEW FIBER DISTRIBUTION CABINETS
- TEST NEW OPTICAL FIBER CABLES.
- VA TO PROVIDE UP TO (10) TEN NETWORK SWITCHES TO MITIGATE DOWNTIME DURING TRANSITION FROM OLD MCR TO NEW MCR.

PHASE 3 - ACTIVATE OPTICAL FIBER IN EXISTING/NEW TRs

- ACTIVATE OPTICAL FIBER CABLES IN NEW TRs.
- EXISITING/EXPANDED TRs - PROVIDE NEW FIBER JUMPERS FROM NEW FIBER ENCLOSURE BACK TO EXISTING NETWORK SWITCHES. DISCONNECT AND REMOVE EXISTING FIBER CABLES COMPLETE.
- NEW TRs - PROVIDE TEMPORARY FIBER BACK-FEED TO EXISTING TR LOCATION AND PATCH INTO EXISTING NETWORK SWITCHES. DISCONNECT AND REMOVE EXISTING FIBER CABLES COMPLETE.
- ONCE ALL NEW OPTICAL FIBER CABLES HAVE BEEN ACTIVATED INTO ALL NEW AND EXISTING TRs ON THE NEW CORE SWITCH IN EXISTING MCR, THE EXISTING CORE SWITCH CAN BE RELOCATED TO NEW DISTRIBUTION CABINET.

*** PHASING PLANS ARE NOT AN EXACT MATCH WITH OVERALL PHASING SEQUENCE. THERE WILL BE OVER-LAPPING OF PHASING WORK TO MAINTAIN OPERATION OF EXISTING MCR EQUIPMENT AND CABLING UNTIL NEW EQUIPMENT AND CABLES ARE INSTALLED AND ACTIVE.

Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
FACILITY SITE PLAN	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number TS-001
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	627 of 713

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EHRM509-700.CAMPUS_T_R21.rvt

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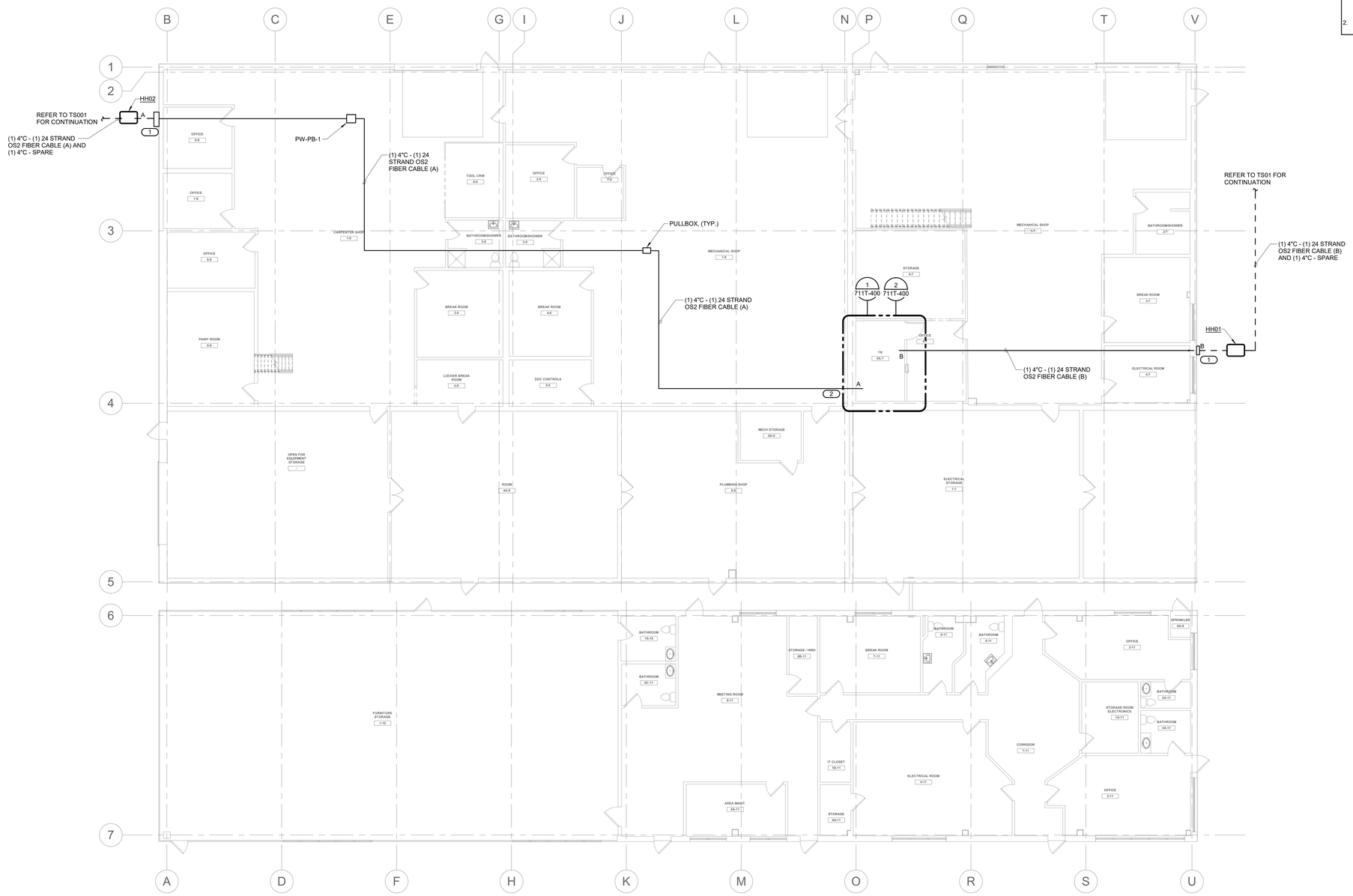
SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF FIRST FLOOR CEILING. ROUTE CONDUIT FROM HANDHOLE UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND CONTINUE CONDUIT ROUTE OVER TO TR #5A-7.
2. PROVIDE A CONDUIT SLEEVE THROUGH THE WALL TO THE CABLE TRAY.



1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

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Drawing Title: BLDG. 07,11 LEVEL 01 PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 007-011
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 711T-101
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	628 of 713

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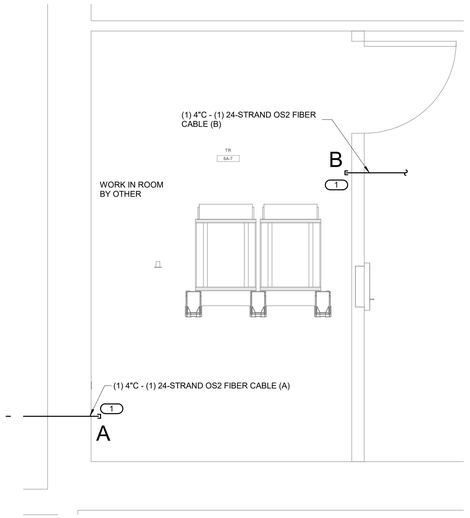


1 TELECOM ROOM ENLARGEMENT TR #5A-7

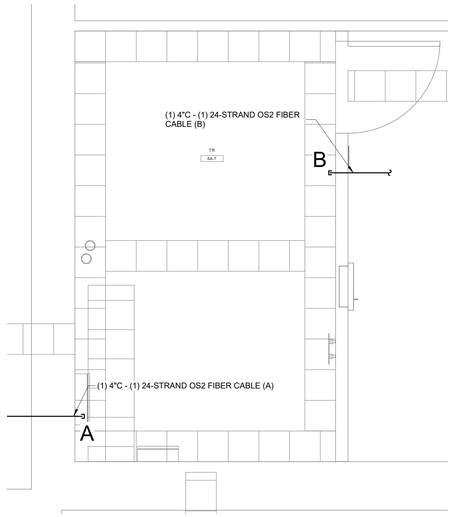
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: #

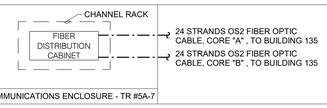
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLES CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #5A-7

1/2" = 1'-0"

LEVEL O1



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Drawing Title	Phase	Project Title	Project Number
BLDG. 07,11 TECHNOLOGY DETAILS AND DIAGRAMS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 007-011
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 711T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	629 of 713

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SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
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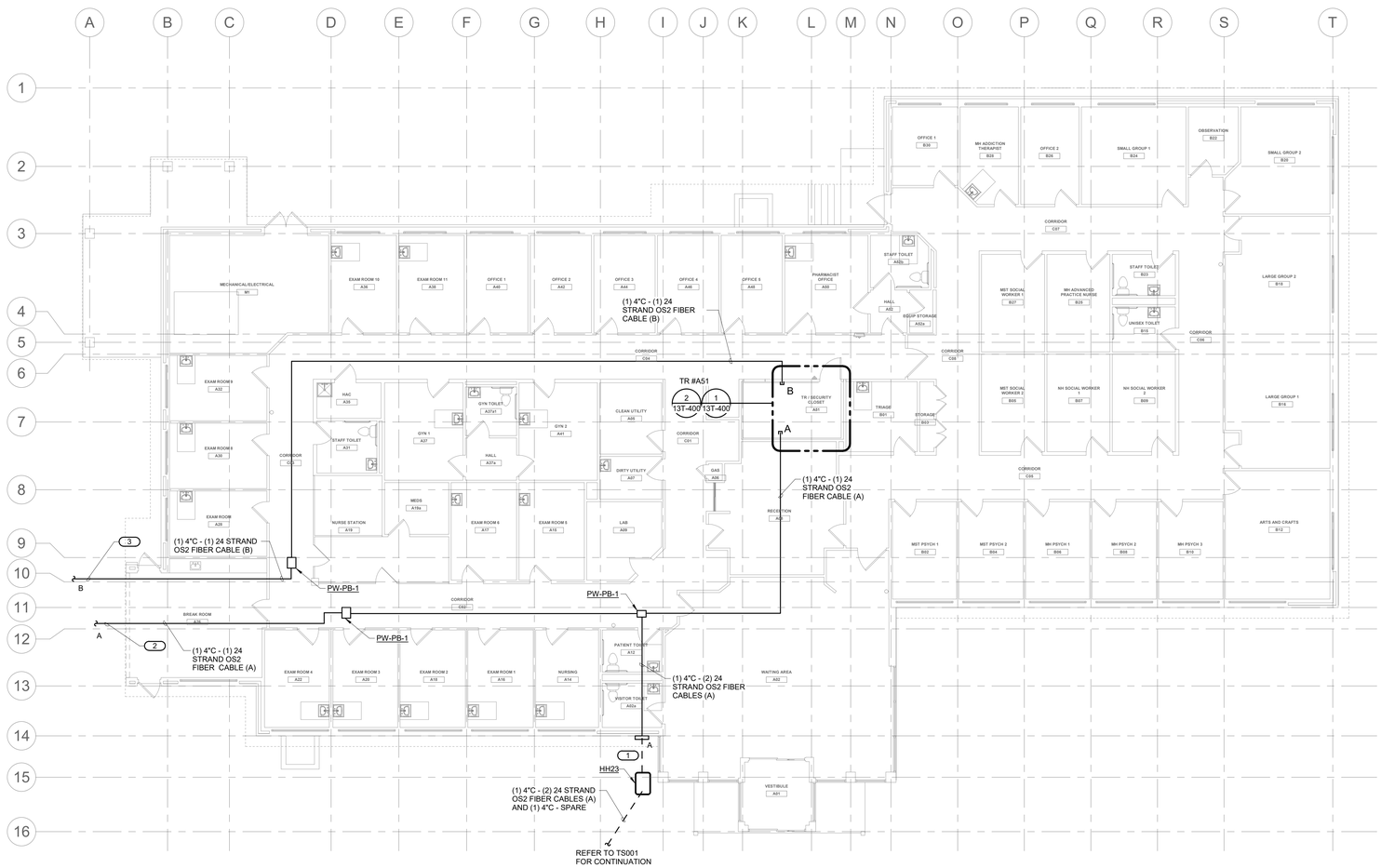
KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINISHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CORE A CONDUIT THRU WALL ABOVE FINISHED CEILING AND INTO TR #A51.
2. ROUTE CONDUIT WITH CORE A FIBER FOR BLDG #14 ABOVE CEILING TO COMMON WALL BETWEEN BLDGS. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT INTO BLDG #14 ABOVE CEILIING AND OVER TO TR#A02A. REFER TO BLDG 14 PLANS FOR ADDITIONAL WORK REQUIREMENTS.
3. PROVIDE PENETRATION THROUGH COMMON WALL AND ROUTE CONDUIT WITH CORE B FIBER INTO BLDG #13 ABOVE CEILING AND OVER TO TR#A51. REFER TO BLDG 14 PLANS FOR ADDITIONAL WORK REQUIREMENTS.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

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Drawing Title: BLDG. 13 LEVEL 01 PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 13
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 13T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	630 of 713

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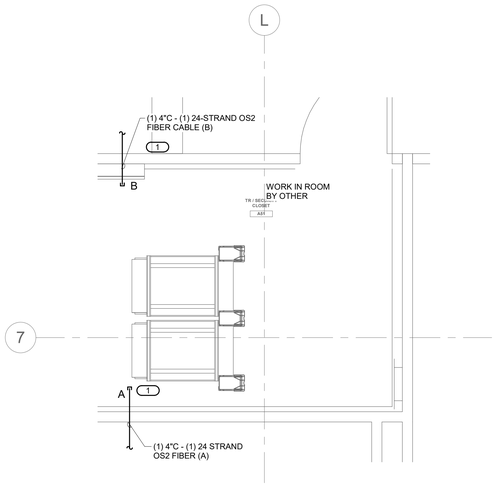


1 TELECOM ROOM ENLARGEMENT TR #A51

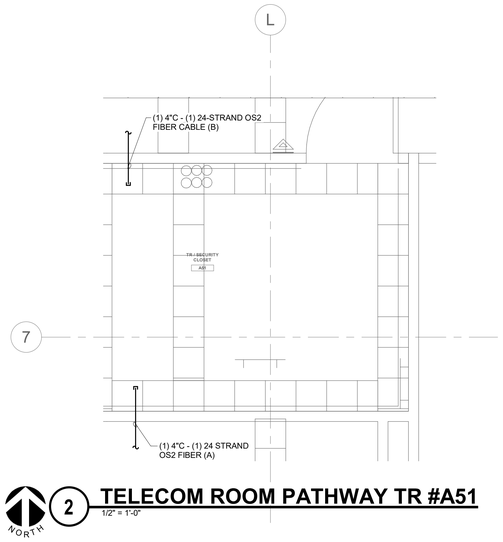
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

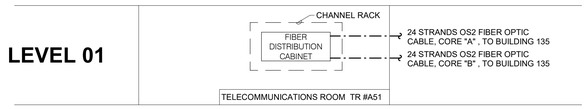
KEY NOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #A51

1/2" = 1'-0"



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

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2. REFER TO TECHNOLOGY DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Drawing Title: BLDG. 13 TECHNOLOGY DETAILS AND DIAGRAMS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

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Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025 | Checked: EW | Drawn: IMEG

Project Number: 509-22-700

Building Number: 13

Drawing Number: 13T-400

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SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
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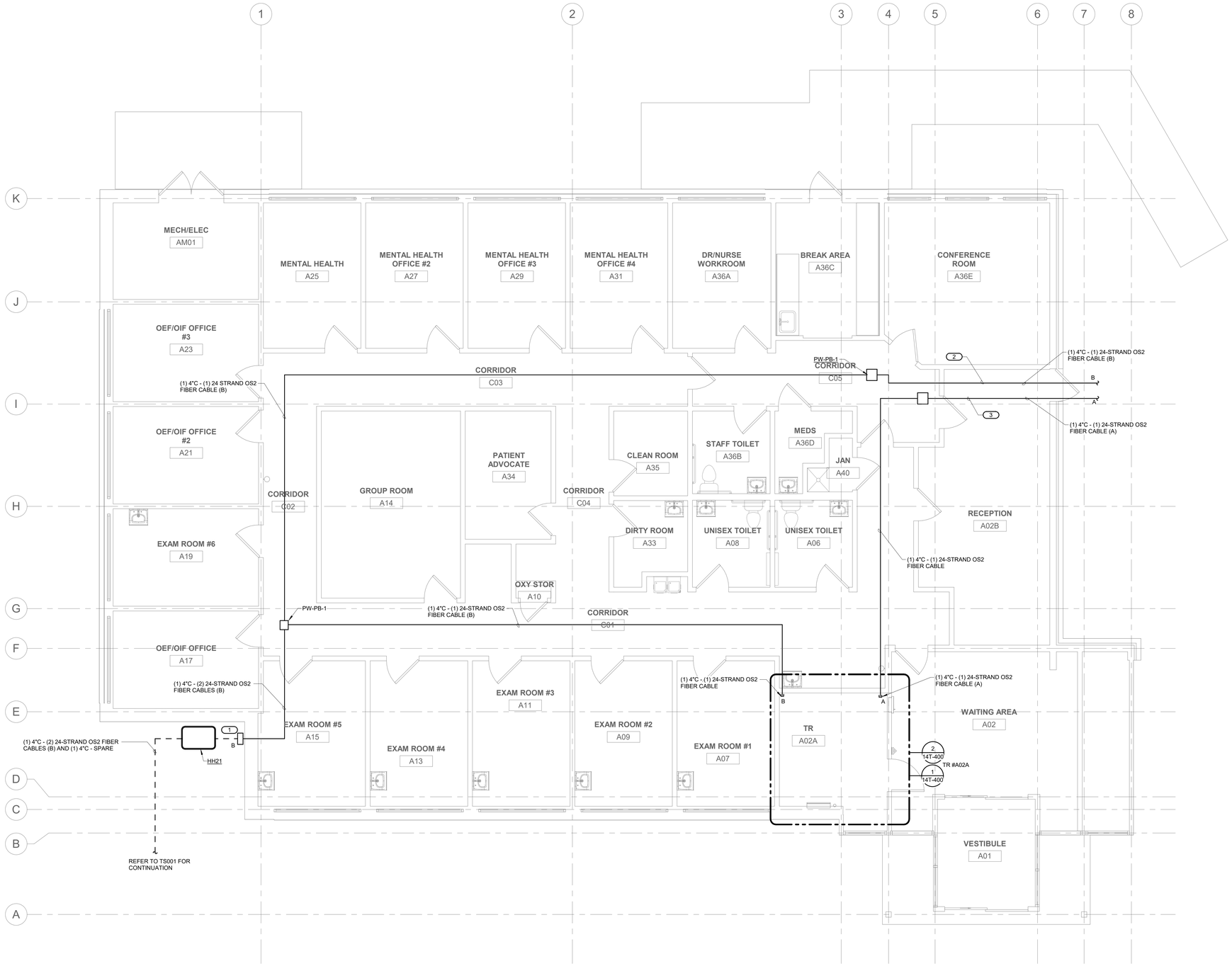
KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINISHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CORE B CONDUIT THROUGH WALL ABOVE FINISHED CEILING AND INTO TR #A02A.
2. ROUTE CONDUIT WITH CORE B FIBER FOR BLDG #14 ABOVE CEILING TO COMMON WALL BETWEEN BLDGS. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT INTO BLDG #14 ABOVE CEILING AND OVER TO TR#A02A. REFER TO BLDG 14 PLANS FOR ADDITIONAL WORK REQUIREMENTS.
3. PROVIDE PENETRATION THROUGH COMMON WALL AND ROUTE CONDUIT WITH CORE A FIBER INTO BLDG #13 ABOVE CEILING AND OVER TO TR#A51. REFER TO BLDG 14 PLANS FOR ADDITIONAL WORK REQUIREMENTS.



1 LEVEL 01 PLAN - TECHNOLOGY

1/4" = 1'-0"

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
BLDG.14 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 14
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 14T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	632 of 713

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EHRM/509-700 B14_T_R21.rvt

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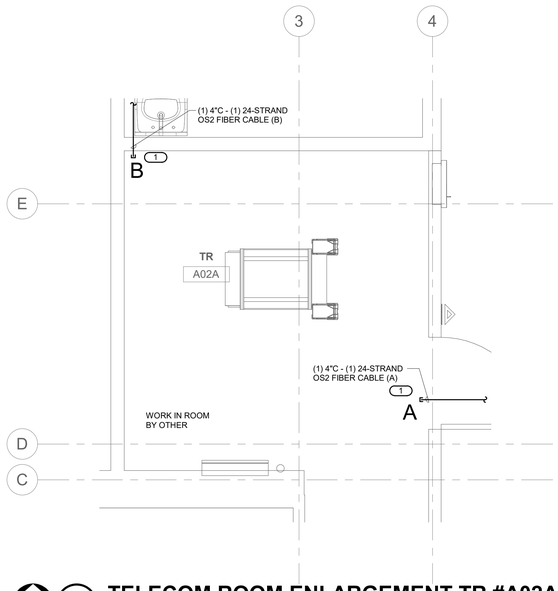


1 TELECOM ROOM ENLARGEMENT TR #A02A

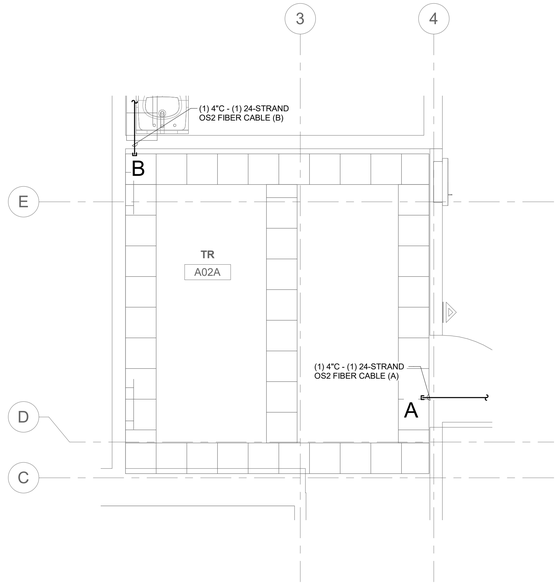
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

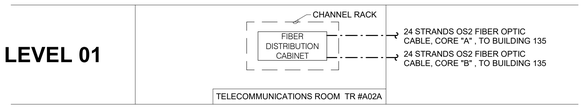
KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #A02A

1/2" = 1'-0"



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO TECHNOLOGY DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

IMEG
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PROJECT #22010109.00

ARCHITECT/ENGINEER OF RECORD

A/E:
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23830 PACIFIC HIGHWAY S. SUITE 203
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SDB SPEESDESIGNBUILD

STAMP

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Eddie C. Willis, Jr.
Reg. No: 191562R
Expires 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG.14 TECHNOLOGY DETAILS AND DIAGRAMS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025 | Checked: EW | Drawn: IMEG

Project Number: 509-22-700

Building Number: 14

Drawing Number: 14T-400

BIM 360://509-22-700
VAHampton
EHRM/509-700.B14_T_R21.rvt

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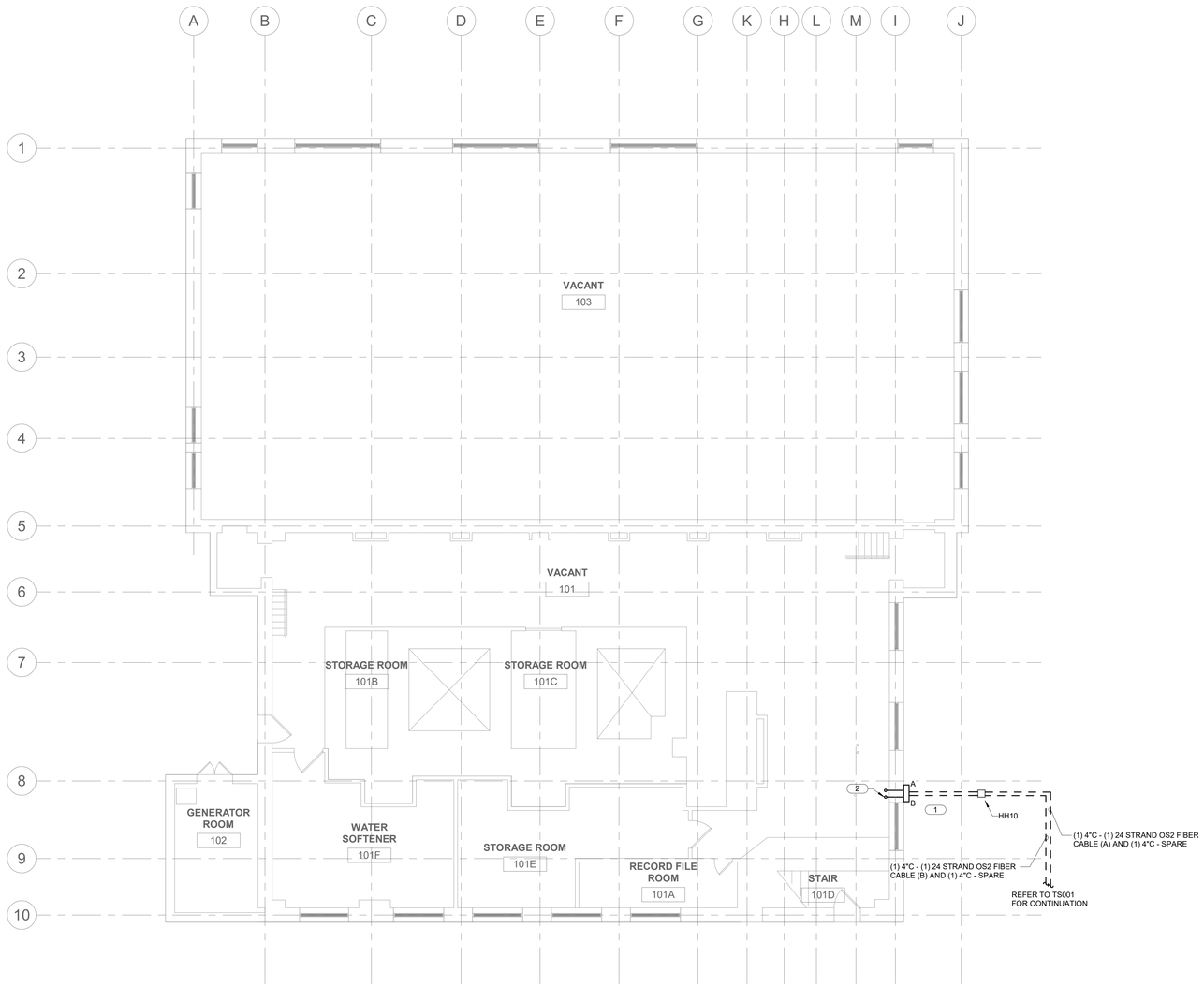
VA FORM 08 - 6231

SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF FIRST FLOOR CEILING. ROUTE CONDUITS UP ALONG WALL TO PULLBOX. PROVIDE PENETRATIONS THRU WALL. ROUTE CONDUITS THRU PULLBOX INTO BLDG 15.
2. CONTINUE ROUTE OF CONDUITS UP TO FIRST FLOOR CEILING DECK. PROVIDE PENETRATION THRU CEILING AND ROUTE CONDUITS UP INTO SECOND FLOOR.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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ARCHITECT/ENGINEER OF RECORD

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Eddie C. Willis, Jr.
Reg. No. 191562R
Expires 12-31-2025
RCDD

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BUILDING 15-LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	Drawing Number: 15T-201

BIM 360://509-22-700
VAHampton
EHRM509-700.B15.T_R21.rvt

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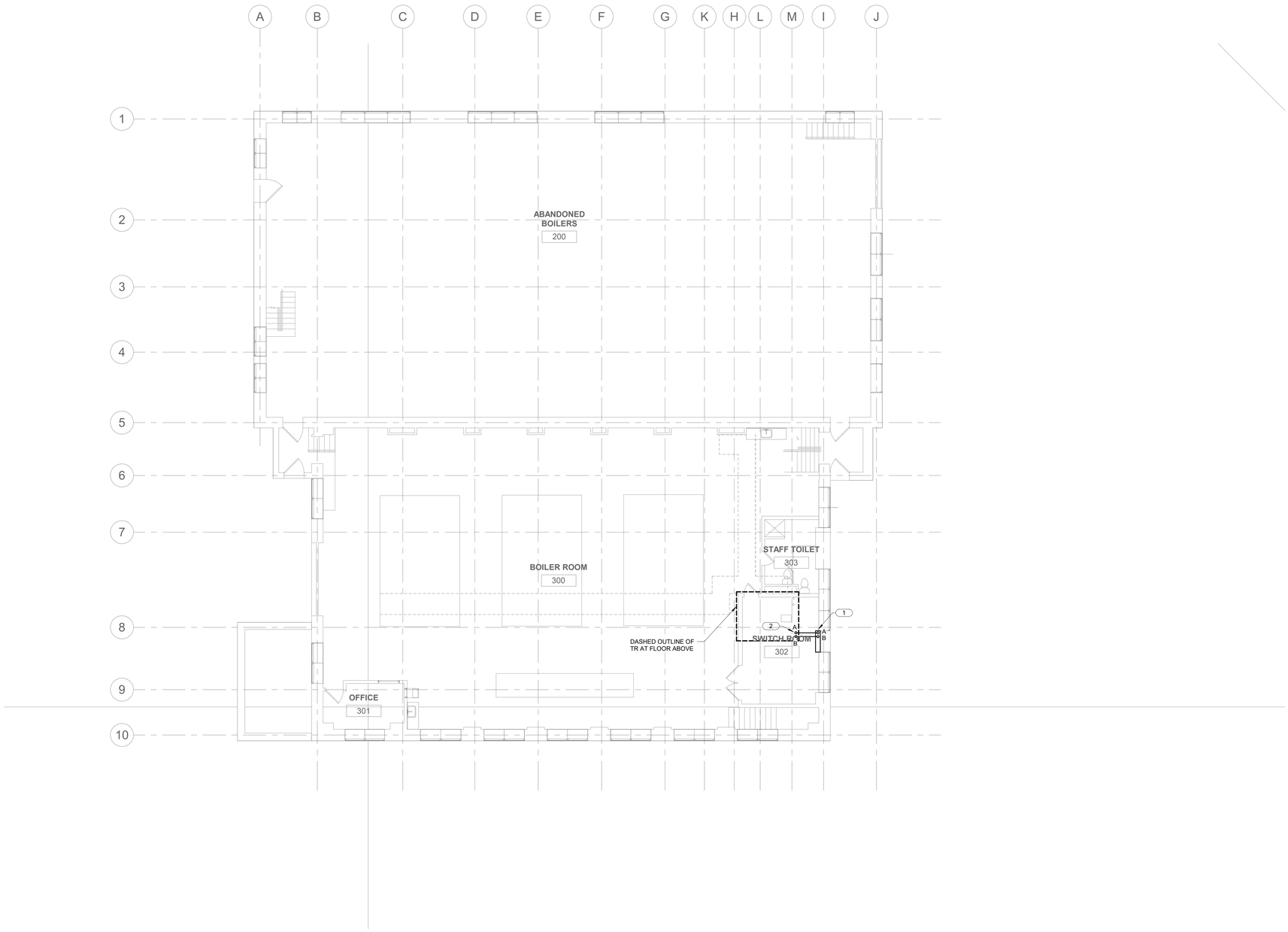
VA FORM 08 - 6231

SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE FURRED-OUT WALL PARTITION TO CONCEAL CONDUIT FOR ROUTE THRU ROOM #302. CONTINUE ROUTE OF CONDUITS UP TO CEILING AND OVER TO LOCATION BELOW TR #302A AT CATWALK
2. PROVIDE PENETRATIONS THRU CEILING DECK AND ROUTE CONDUITS UP INTO TR #302A.



NORTH

1 LEVEL 02 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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PROJECT #22010109.00

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23830 PACIFIC HIGHWAY S. SUITE 203
KENT, WA 98032

SDB SPEESDESIGNBUILD

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VA U.S. Department of Veterans Affairs

Drawing Title	BUILDING 15-LEVEL 02 PLAN - TECHNOLOGY
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Location	HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Issue Date	05/09/2025
Checked	EW
Drawn	IMEG
Project Number	509-22-700
Building Number	
Drawing Number	15T-202

VA FORM 08 - 6231

BIM 360://509-22-700
VAHampton
EHRM-509-700.B15.T_R21.rvt

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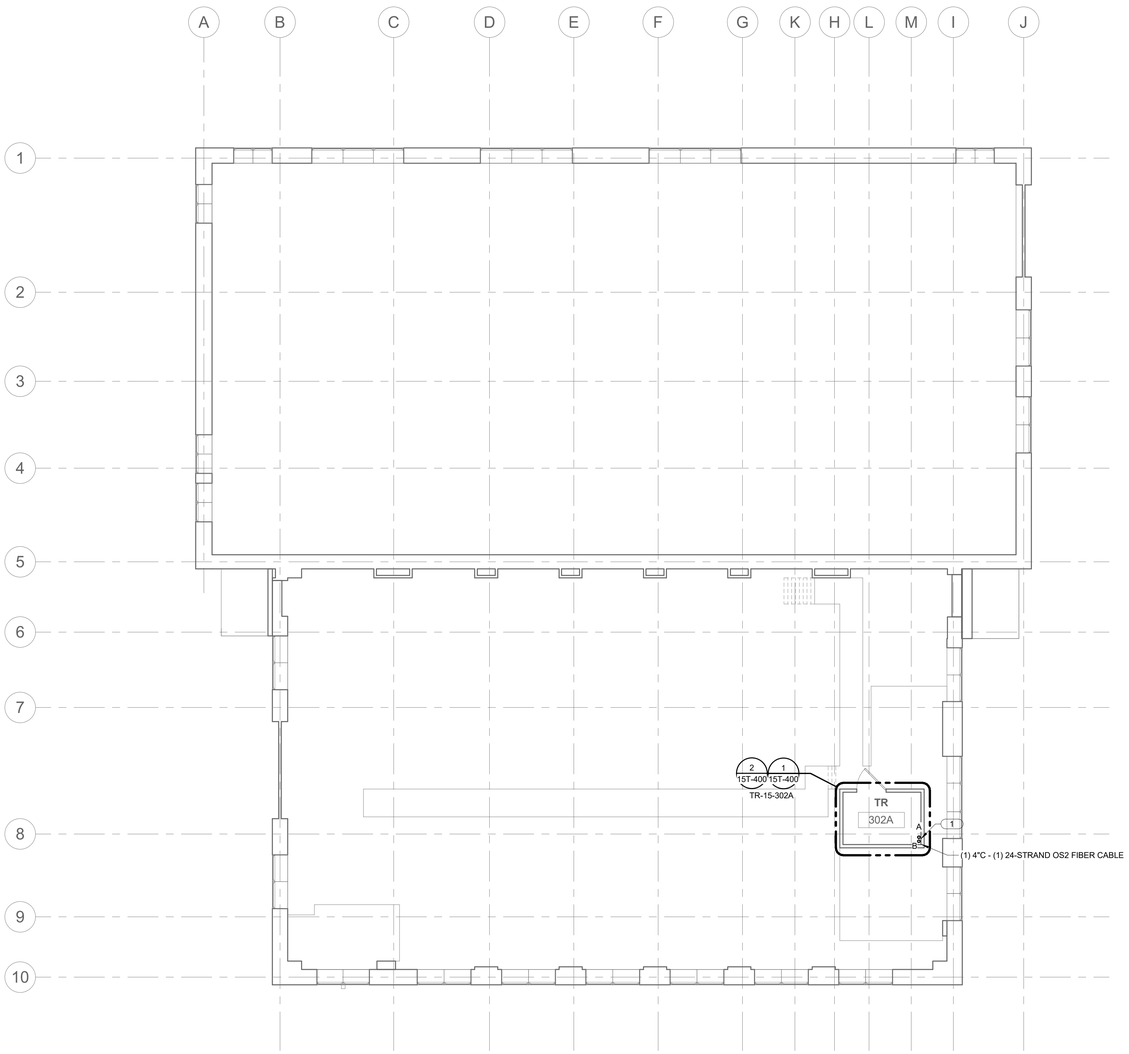
KEY NOTES: #

1. ROUTE CONDUITS UP TO HEIGHT ABOVE CABLE TRAY. CONTINUE ROUTE OF NEW FIBER CABLES OVER TO TELECOM RACK.



1 CATWALK LEVEL PLAN - TECHNOLOGY

1/8" = 1'-0"

NORTH

Revisions:	Date:

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PROJECT #22010109.00

ARCHITECT/ENGINEER OF RECORD

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VA U.S. Department of Veterans Affairs

Drawing Title	BUILDING 15-CATWALK LEVEL PLAN - TECHNOLOGY
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Project Number	509-22-700
Building Number	
Approved:	
	FULLY SPRINKLERED
Location	HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Drawing Number	15T-203
Issue Date	05/09/2025
Checked	EW
Drawn	IMEG

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EHRM/509-22-700 B15_T_R21.rvt

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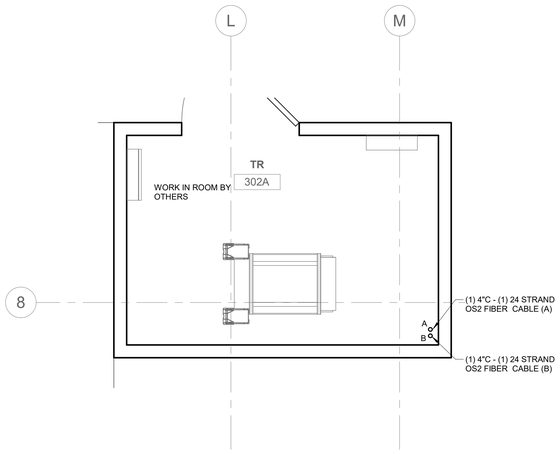
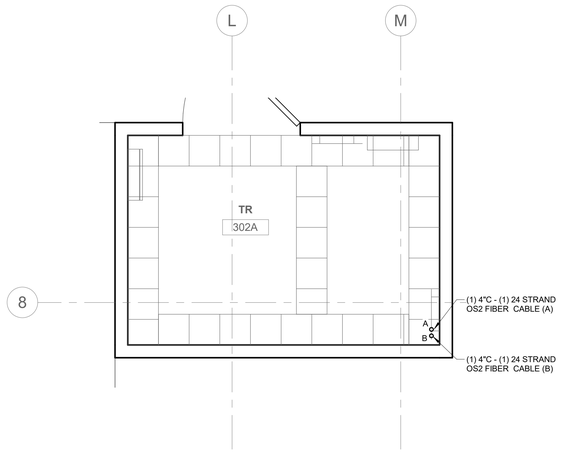
VA FORM 08 - 6231



NORTH

1 TELECOM ROOM ENLARGEMENT TR #15-302A

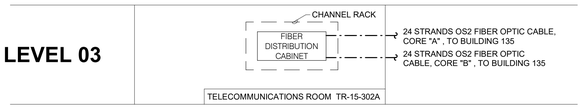
1/2" = 1'-0"



NORTH

2 TELECOM ROOM PATHWAY TR #15-302A

1/2" = 1'-0"



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO TECHNOLOGY DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Revisions: Date:

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PROJECT #22010109.00

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KENT, WA 98032

SDB SPEESDESIGNBUILD

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Bicsi
Eddie C. Willis, Jr.
RCDD No: 191562R
EXPIRES 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY ENLARGED PLANS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025

Checked: EW

Drawn: IMEG

Project Number: 509-22-700

Building Number:

Drawing Number: 15T-400

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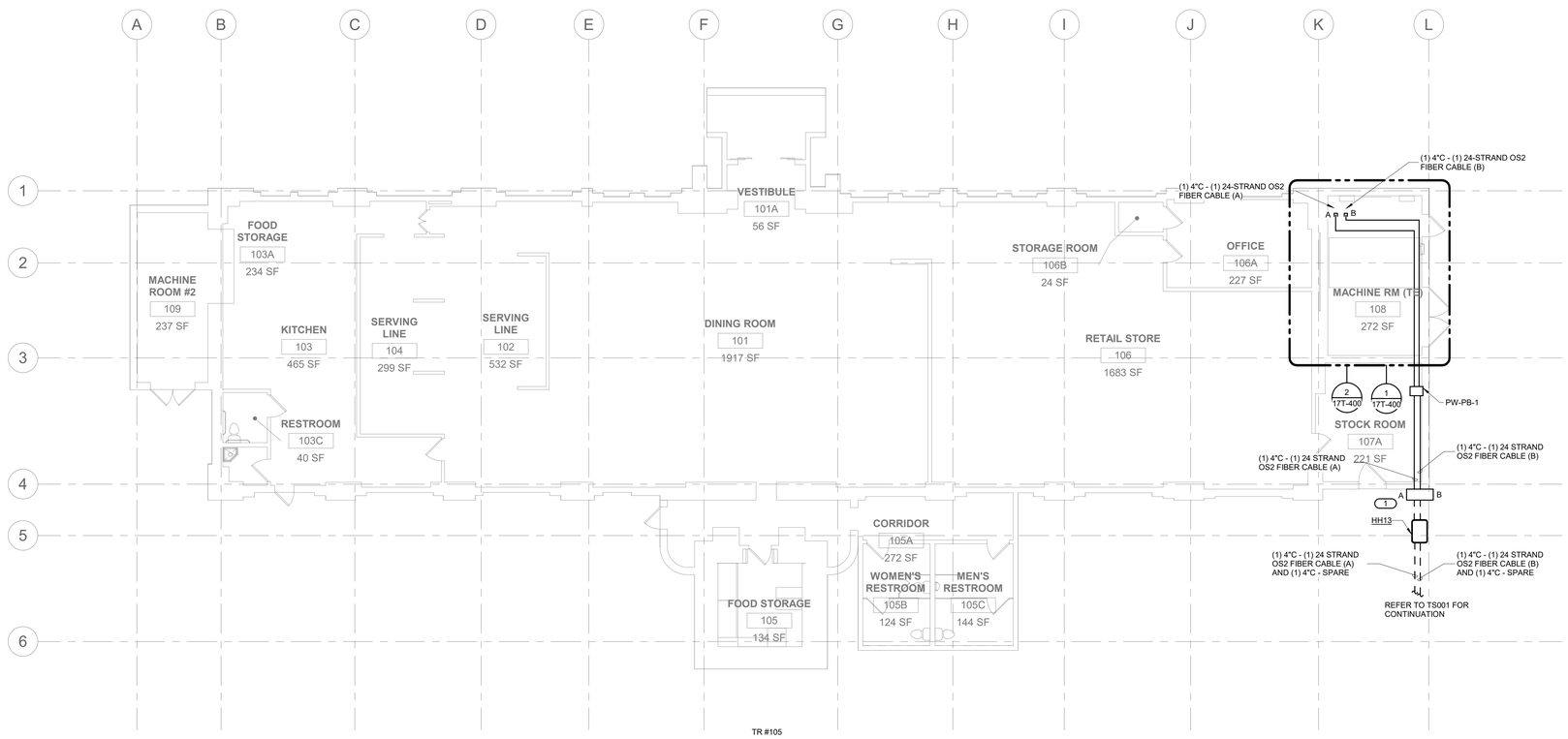
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINISHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU EXTERIOR WALL AND ROUTE CONDUITS AT CEILING HEIGHT TO LOCATION OF NEW TE IN ROOM #108.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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PROJECT #22010109.00

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KENT, WA 98032

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Reg. No: 19156ER
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.17 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 17
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 17T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	638 of 713

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EHRM/509-700.B17_T_R21.rvt

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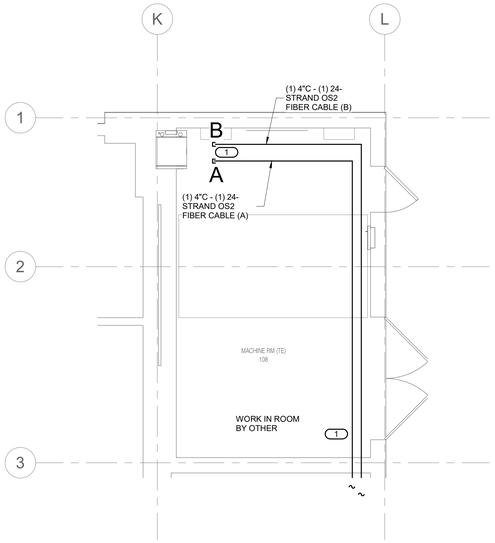
VA FORM 08 - 6231



1 TELECOM ENCLOSURE ENLARGEMENT TE #108

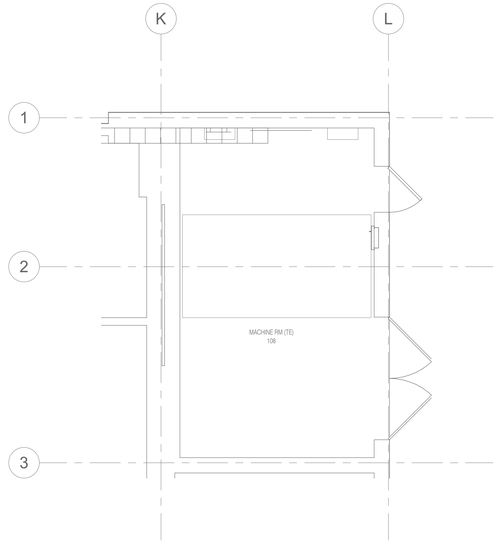
1/4" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES IN CONDUIT TO ABOVE TELECOM ENCLOSURE.



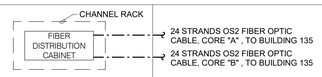
2 TELECOM ENCLOSURE PATHWAY TE #108

1/4" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLES TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET

LEVEL 01



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

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PROJECT #22010109.00

ARCHITECT/ENGINEER OF RECORD

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SDB SPEESDESIGNBUILD

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Bicsi
Eddie C. Willis, Jr.
RCDD No: 191562R
EXPIRES 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG.17 TECHNOLOGY DETAILS AND DIAGRAMS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025 | Checked: EW | Drawn: IMEG

Project Number: 509-22-700

Building Number: 17

Drawing Number: 17T-400

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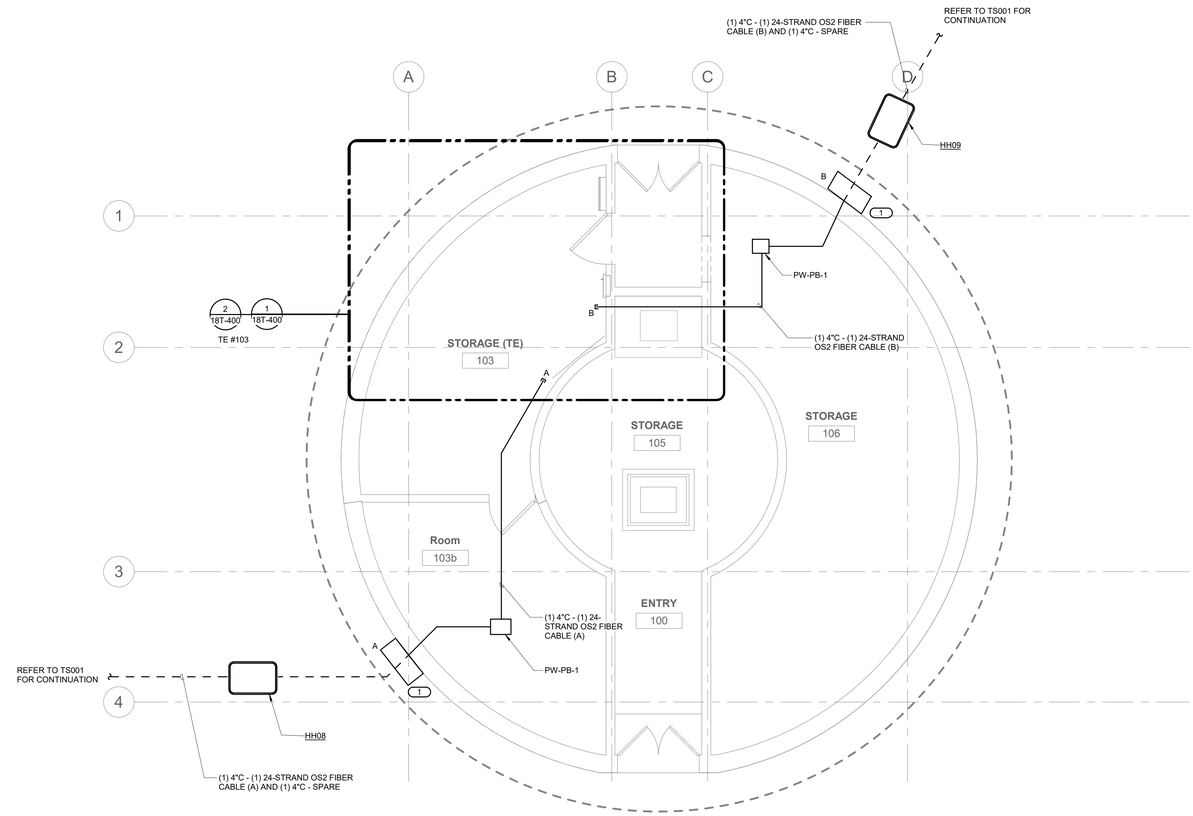
VA FORM 08 - 6231

SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINISHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL ABOVE FINISHED CEILING AND OVER TO TE #103 IN STORAGE ROOM.



1 LEVEL 01 PLAN - TECHNOLOGY

1/4" = 1'-0"

Revisions:	Date:

CONSULTANT

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PROJECT #22010109.00

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Eddie C. Willis, Jr.
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EXPIRES 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.18 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 18
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 18T-101
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	640 of 713

BIM 360://509-22-700
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EHRM/509-700.B18_T_R21.rvt

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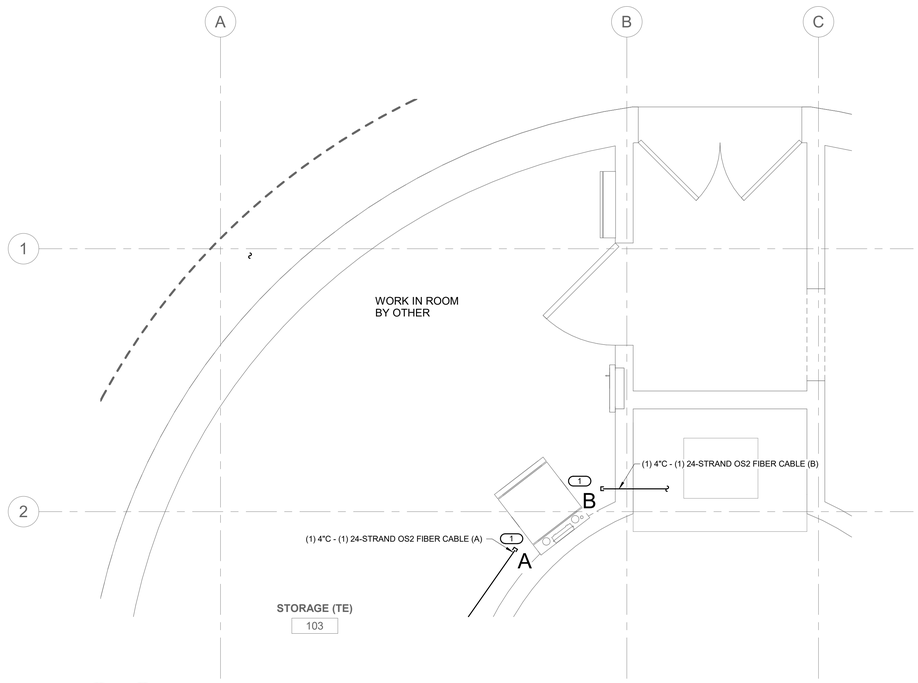
VA FORM 08 - 6231



1 TELECOM ENCLOSURE ENLARGEMENT TE #103

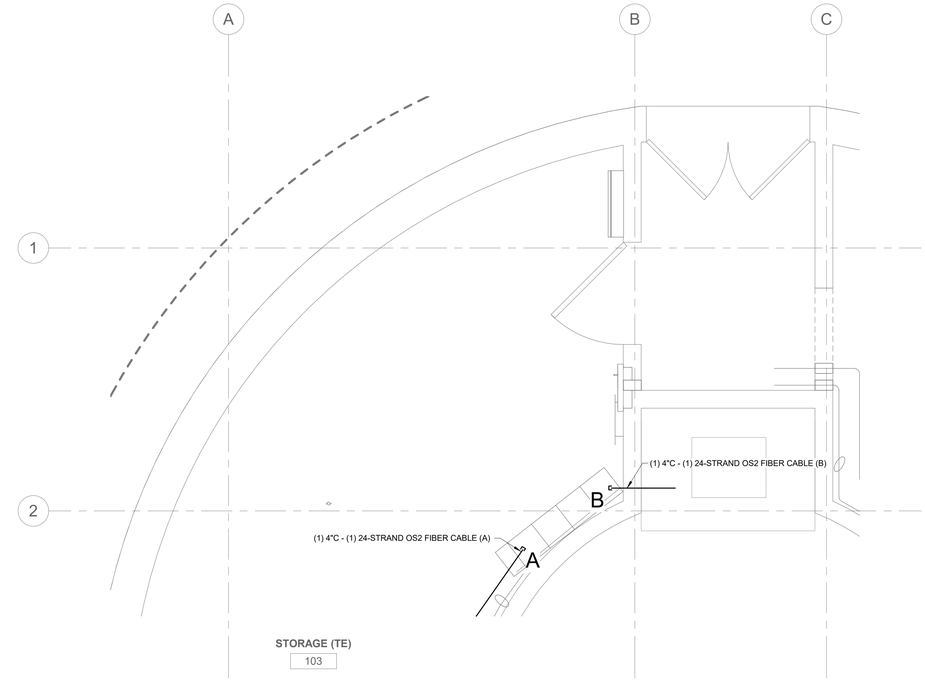
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

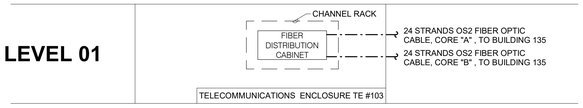
KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES IN CONDUIT TO ABOVE TELECOM ENCLOSURE.



2 TELECOM ENCLOSURE PATHWAY TE #103

1/2" = 1'-0"



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

IMEG
www.imegcorp.com
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P: 312.294.0501 F: 312.294.0003
PROJECT #22010109.00

ARCHITECT/ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 203
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Eddie C. Willis, Jr.
Reg. No: 191562R
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RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG.18 TECHNOLOGY DETAILS AND DIAGRAMS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025

Checked: EW

Drawn: IMEG

Project Number: 509-22-700

Building Number: 18

Drawing Number: 18T-400

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EHRM/509-700.B18_T_R21.rvt

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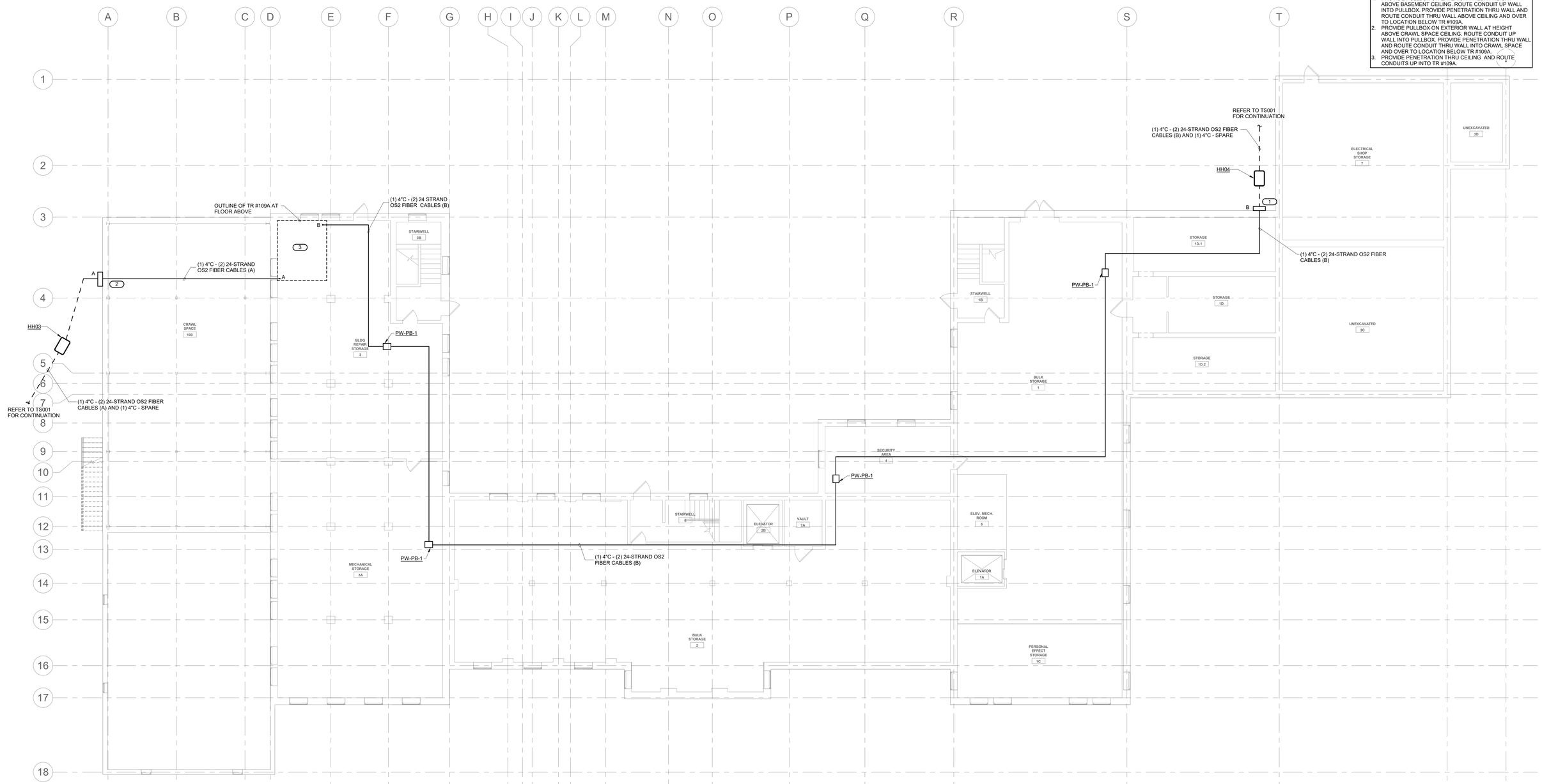
VA FORM 08 - 6231

SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE BASEMENT CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL ABOVE CEILING AND OVER TO LOCATION BELOW TR #109A.
2. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE CRAWL SPACE CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL INTO CRAWL SPACE AND OVER TO LOCATION BELOW TR #109A.
3. PROVIDE PENETRATION THRU CEILING AND ROUTE CONDUITS UP INTO TR #109A.



1 BASEMENT PLAN - TECHNOLOGY

1/8" = 1'-0"

NORTH

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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www.imegcorp.com
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CHICAGO, IL 60606
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PROJECT #22010109.00

ARCHITECT/ENGINEER OF RECORD

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23830 PACIFIC HIGHWAY S. SUITE 203
KENT, WA 98032

SDB SPEESDESIGNBUILD

STAMP

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Eddie C. Willis, Jr.
Reg. No: 19156026
Expires 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.27 BASEMENT PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 27
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 27T-200
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	642 of 713

BIM 360://509-22-700
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EHRM/509-700.B27.T_R21.rvt

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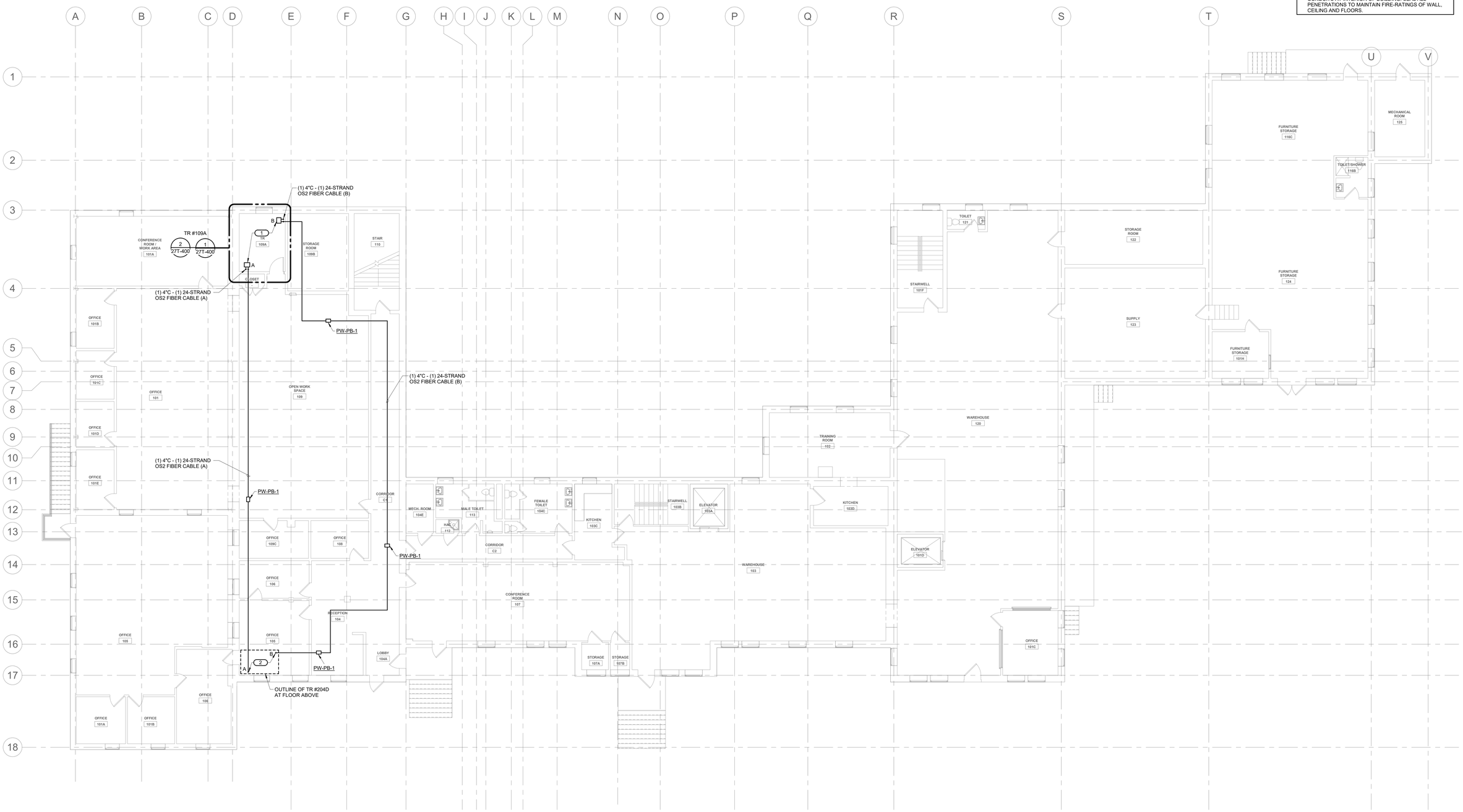
KEY NOTES: (#)

1. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY. PROVIDE PULLBOX AND ROUTE CONDUIT ABOVE CEILING AND OVER TO LOCATION BELOW TR #204D.
2. PROVIDE PENETRATION TRHU CEILING DECK AND ROUTE CONDUIT UP INTO TR #204D.

SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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Reg. No. 191062R
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG.27 LEVEL 01 PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: 27
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	Drawing Number: 27T-201
			643 of 713

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SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY.

NORTH

1 LEVEL 02 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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Drawing Title: BLDG.27 LEVEL 02 PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 27
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 27T-202
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	

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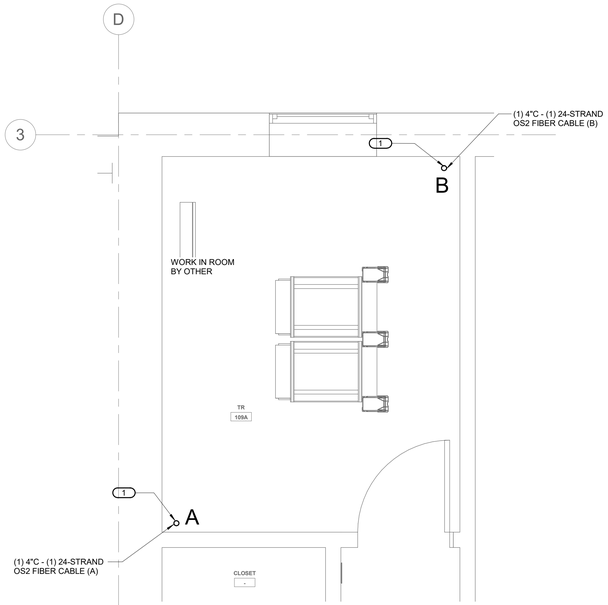


1 TELECOM ROOM ENLARGEMENT TR #109A

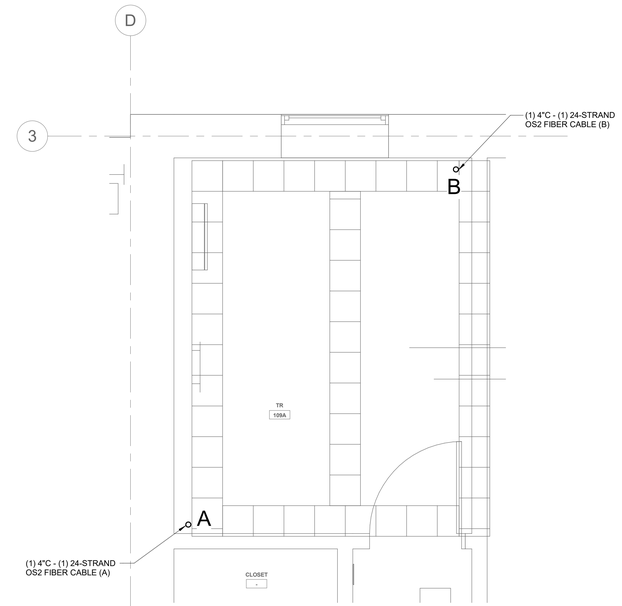
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

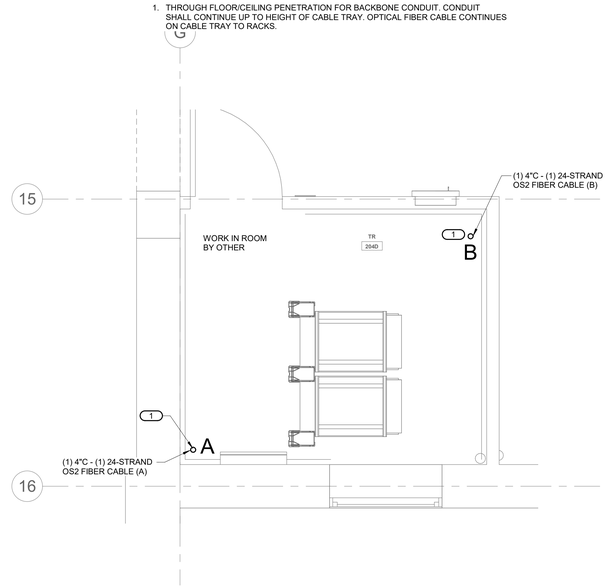
KEY NOTES: #

1. THROUGH FLOOR/CEILING PENETRATION FOR BACKBONE CONDUIT. CONDUIT SHALL CONTINUE UP TO HEIGHT OF CABLE TRAY. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #109A

1/2" = 1'-0"



3 TELECOM ROOM ENLARGEMENT TR #204D

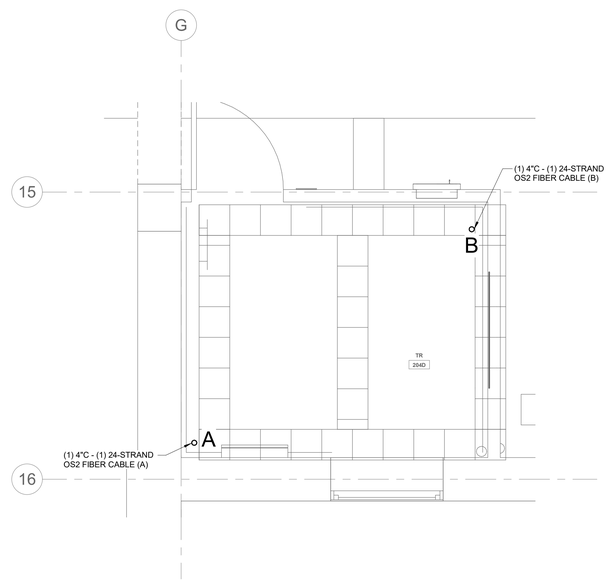
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

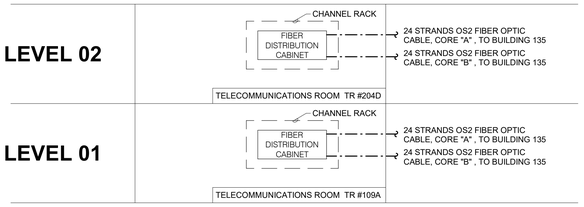
KEY NOTES: #

1. THROUGH FLOOR/CEILING PENETRATION FOR BACKBONE CONDUIT. CONDUIT SHALL CONTINUE UP TO HEIGHT OF CABLE TRAY. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



4 TELECOM ROOM PATHWAY TR #204D

1/2" = 1'-0"



5 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

CONSULTANT

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PROJECT #22010109.00

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Eddie C. Willis, Jr.
Reg. No: 19156ER
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Office of Construction and Facilities Management

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Drawing Title	Phase	Project Title	Project Number
BLDG.27 TECHNOLOGY DETAILS AND DIAGRAMS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number 27
Approved:	FULLY SPRINKLERED	Location HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number 27T-400
		Issue Date 05/09/2025 · Checked EW · Drawn IMEG	645 of 713

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EHRM/509-700.B27.T_R21.rvt

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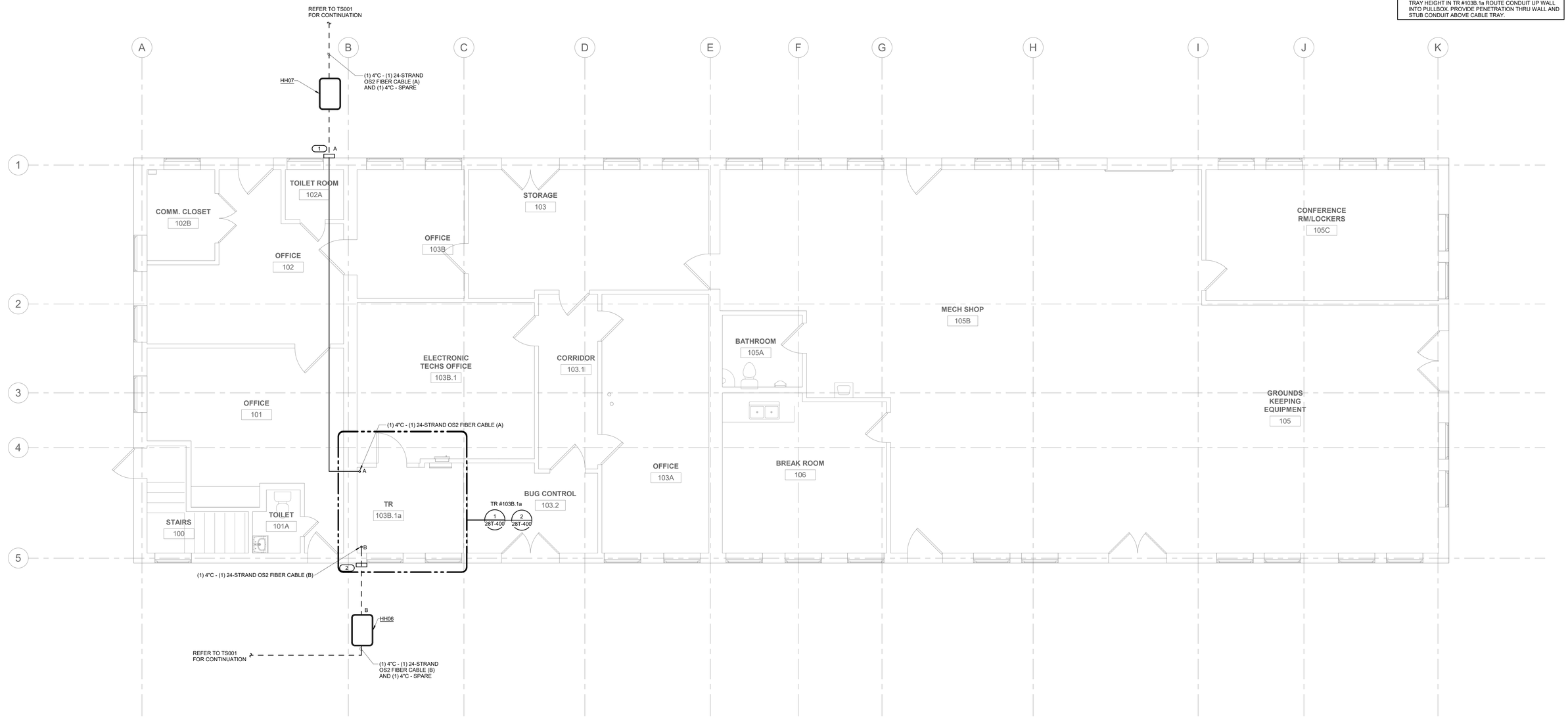
SHEET NOTES:

1. REFER TO TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO TS00 AND TS01 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINSIHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL ABOVE CEILING AND INTO TR #103B.1a.
2. PROVIDE PULLBOX ON EXTERIOR WALL ABOVE CABLE TRAY HEIGHT IN TR #103B.1a ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND STUB CONDUIT ABOVE CABLE TRAY.



1 LEVEL 01 PLAN - TECHNOLOGY

1/4" = 1'-0"

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

IMEG
www.imegcorp.com
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PROJECT #22010109.00

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG.28 LEVEL 01 PLAN - TECHNOLOGY

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025

Checked: EW

Drawn: IMEG

Project Number: 509-22-700

Building Number: 28

Drawing Number: 28T-201

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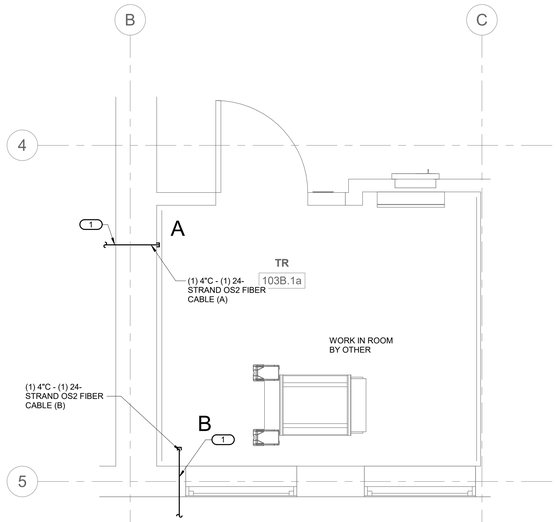


1 TELECOM ROOM ENLARGEMENT TR #103B.1a

1/2" = 1'-0"

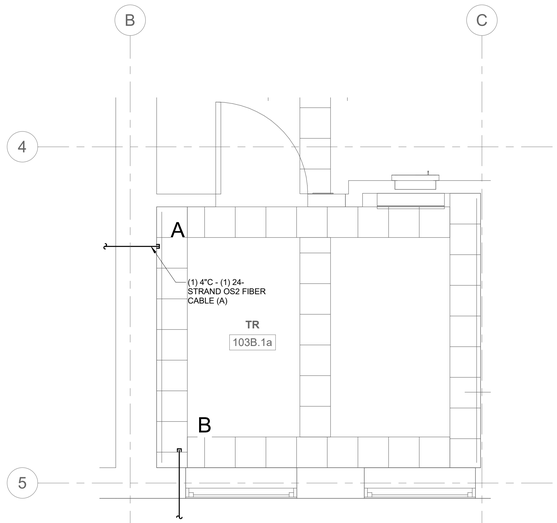
NORTH

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: (#)

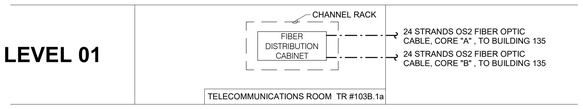
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #103B.1a

1/2" = 1'-0"

NORTH



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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PROJECT #22010109.00

ARCHITECT/ENGINEER OF RECORD

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KENT, WA 98032

SDB SPEESDESIGNBUILD

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Bicsi
Eddie C. Willis, Jr.
Reg. No: 191562R
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Drawing Title: BLDG.28 TECHNOLOGY DETAILS AND DIAGRAMS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025 | Checked: EW | Drawn: IMEG

Project Number: 509-22-700

Building Number: 28

Drawing Number: 28T-400

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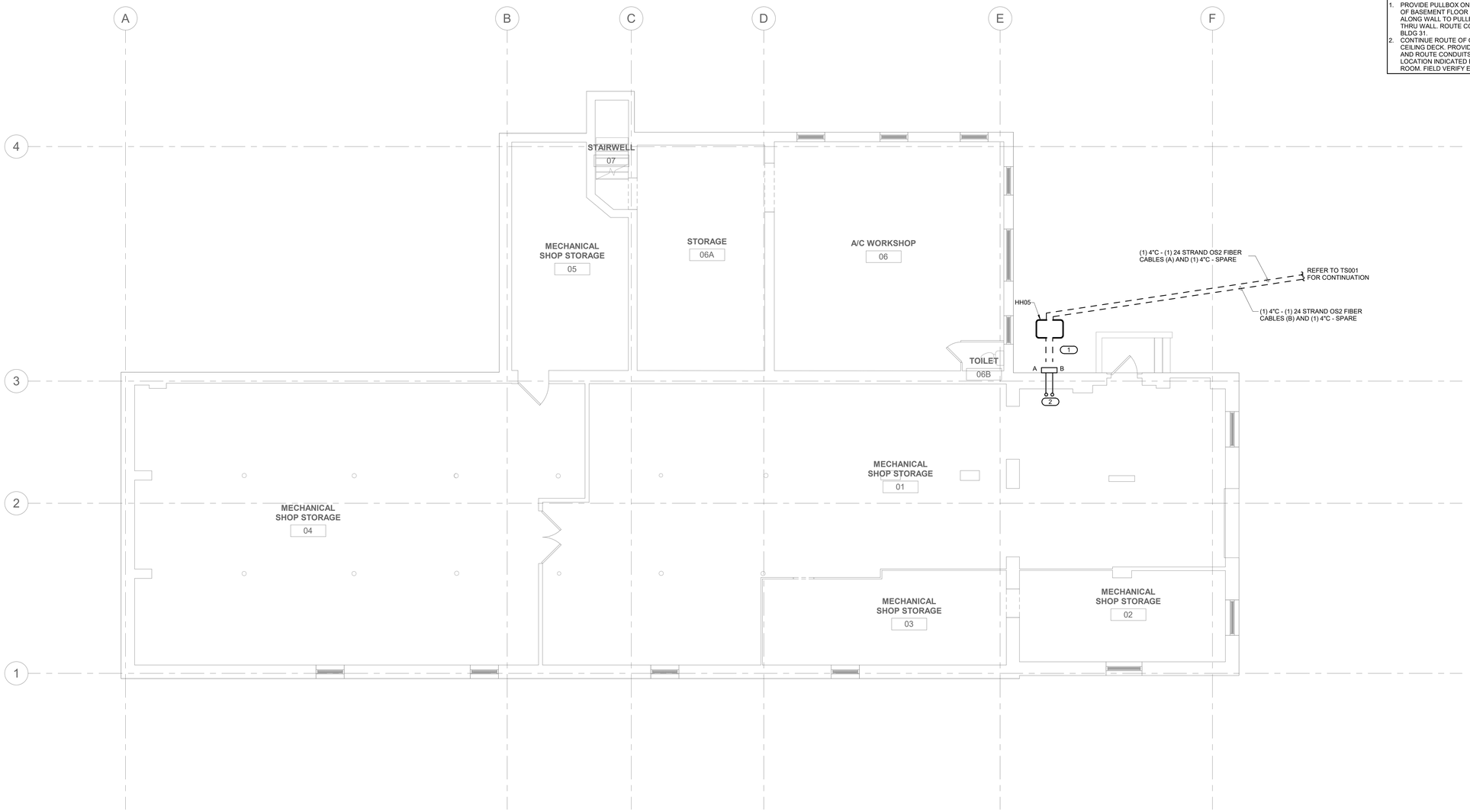
SHEET NOTES:

1. REFER TO TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF BASEMENT FLOOR CEILING. ROUTE CONDUITS UP ALONG WALL TO PULLBOX. PROVIDE PENETRATIONS THRU WALL. ROUTE CONDUITS THRU PULLBOX INTO BLDG 31.
2. CONTINUE ROUTE OF CONDUITS UP TO BASEMENT CEILING DECK. PROVIDE PENETRATION THRU CEILING AND ROUTE CONDUITS UP TO CEILING AND OVER TO LOCATION INDICATED BELOW FIRST FLOOR STORAGE ROOM. FIELD VERIFY EXACT LOCATION.



NORTH

1 BASMENT PLAN - TECHNOLOGY

3/16" = 1'-0"

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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PROJECT #22010109.00

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SDB SPEESDESIGNBUILD

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Reg. No. 191562R
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VA U.S. Department of Veterans Affairs

Drawing Title: BLDG.31 BASEMENT PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 31
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 31T-100
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	648 of 713

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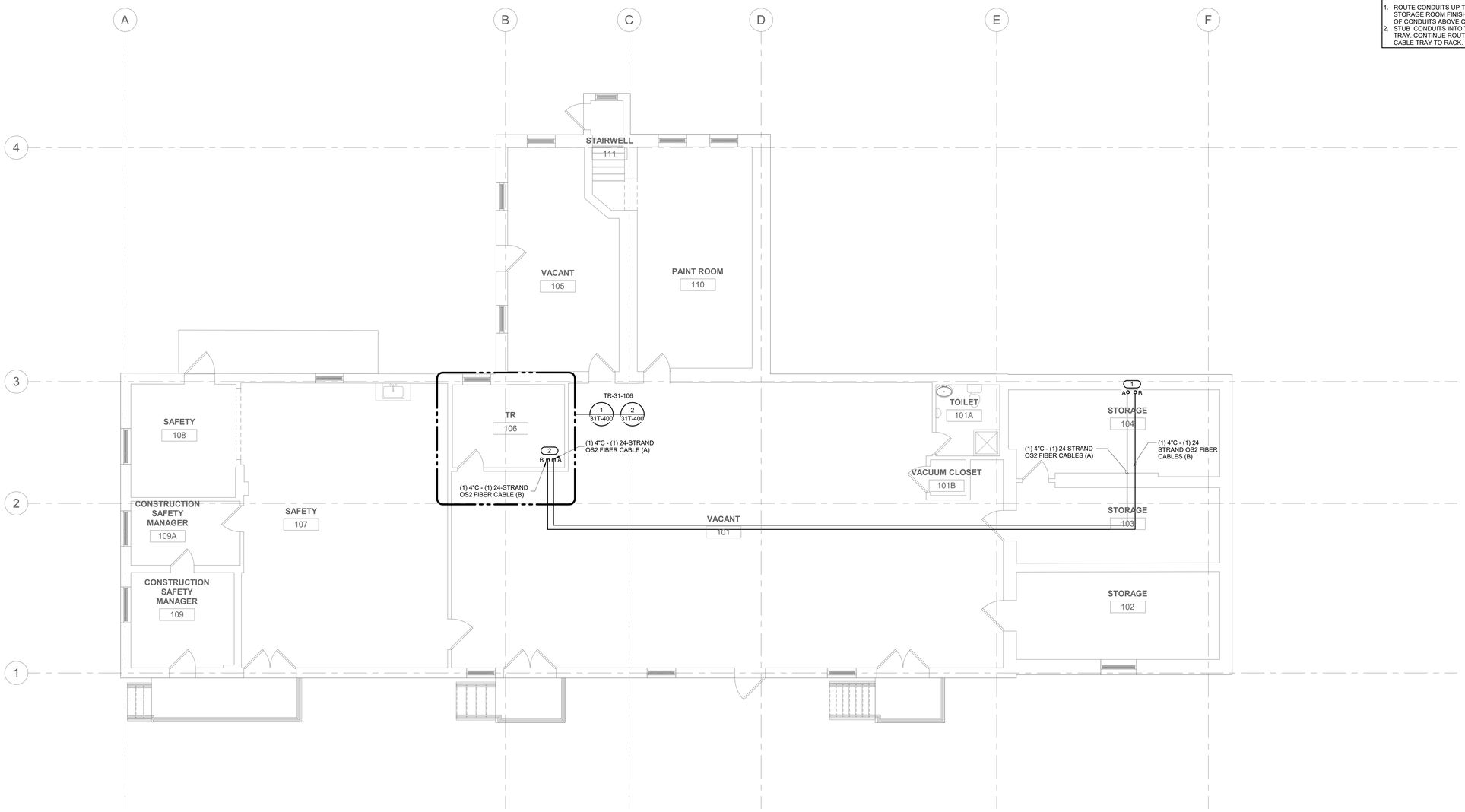
VA FORM 08 - 6231

SHEET NOTES:

1. REFER TO TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEYNOTES: (#)

1. ROUTE CONDUITS UP THRU FLOOR TO ABOVE STORAGE ROOM FINISHED CEILING. CONTINUE ROUTE OF CONDUITS ABOVE CEILING OVER TO TR #106.
2. STUB CONDUITS INTO TR #106 ABOVE CABLE TRAY. CONTINUE ROUTE OF FIBER CABLES ALONG CABLE TRAY TO RACK.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

3/16" = 1'-0"

Revisions:	Date:

CONSULTANT

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PROJECT #22010109.00

ARCHITECT/ENGINEER OF RECORD

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SDB SPEESDESIGNBUILD

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Eddie C. Willis, Jr.
RCDD No: 191562R
EXPIRES 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG.31 LEVEL 01 PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 31
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 31T-101
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	649 of 713

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EHRM/509-700.B31.T_R21.rvt
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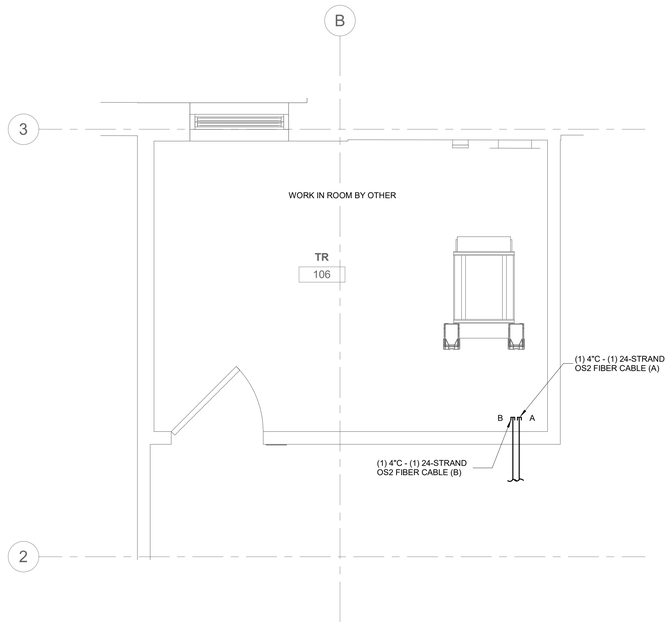
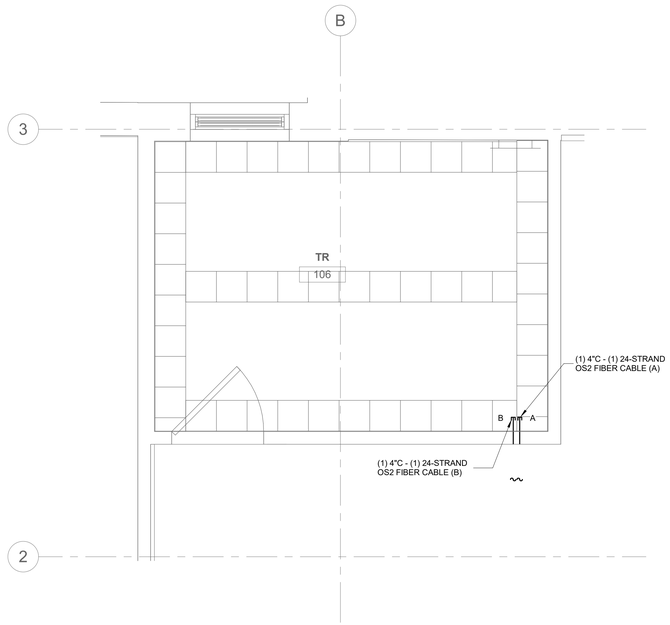


1 TELECOM ROOM ENLARGEMENT TR-31-106

1/2" = 1'-0"

NOTES:

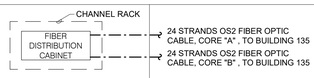
1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.



2 TELECOM ROOM PATHWAY TR-31-106

1/2" = 1'-0"

LEVEL 01



TELECOMMUNICATIONS ROOM TR #106

3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Drawing Title BLDG.31 TECHNOLOGY DETAILS AND DIAGRAMS	**Phase** 100% CONSTRUCTION DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES - HAMPTON	**Project Number** 509-22-700
			Building Number 31
Approved:	FULLY SPRINKLERED	**Location** HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	**Drawing Number** 31T-400
		Issue Date 05/09/2025 · **Checked** EW · **Drawn** IMEG	650 of 713

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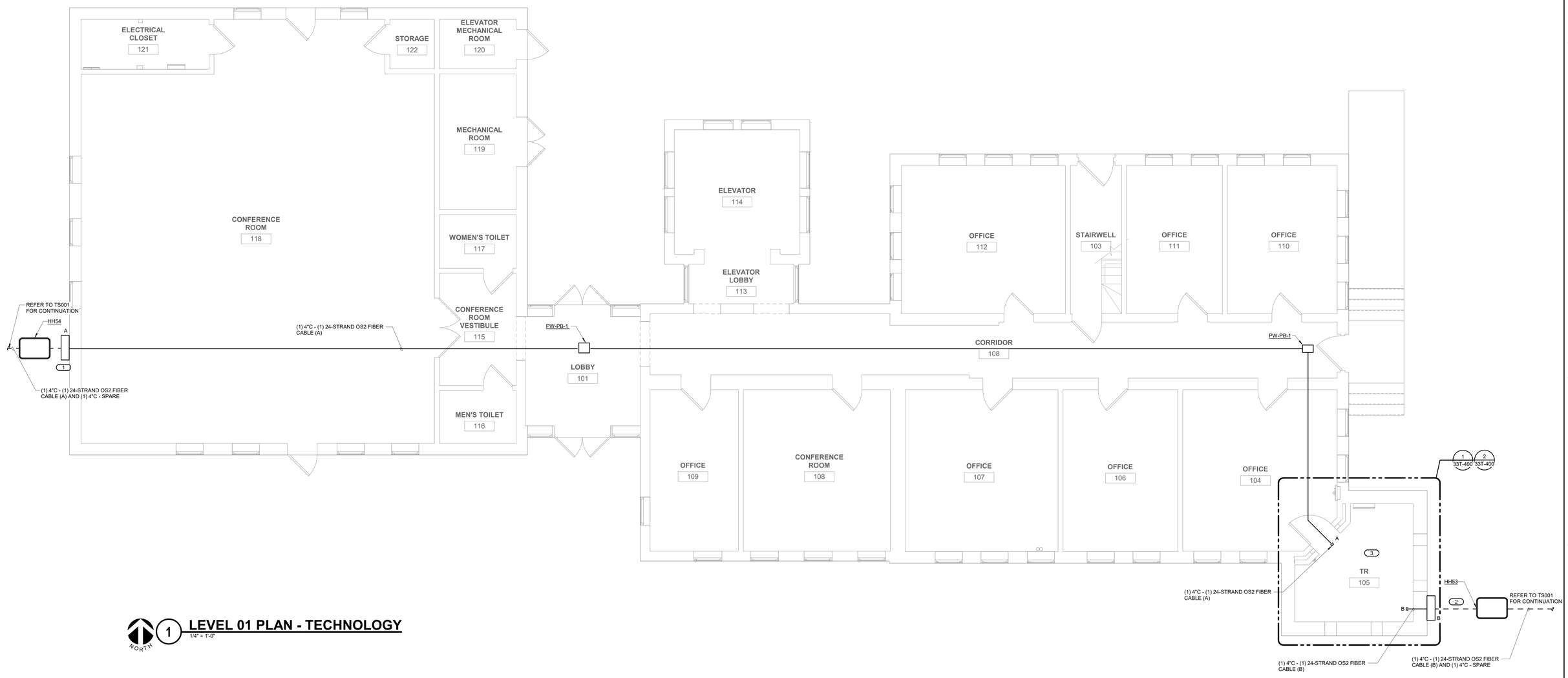
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINSIHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL ABOVE CEILING INTO TR # 105.
2. PROVIDE PULLBOX ON EXTERIOR WALL ABOVE CABLE TRAY HEIGHT IN TR #105 ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND STUB CONDUIT ABOVE CABLE TRAY.
3. TR #105 SHALL SERVE NETWORK DEVICES ON FLOOR ABOVE.



1 **LEVEL 01 PLAN - TECHNOLOGY**
1/4" = 1'-0"

Revisions:	Date:

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PROJECT #22010109.00

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KENT, WA 98032

SPEESDESIGNBUILD

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Reg. No. 191562R
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Drawing Title: BLDG.33 LEVEL 01 PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 33
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 33T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	651 of 713

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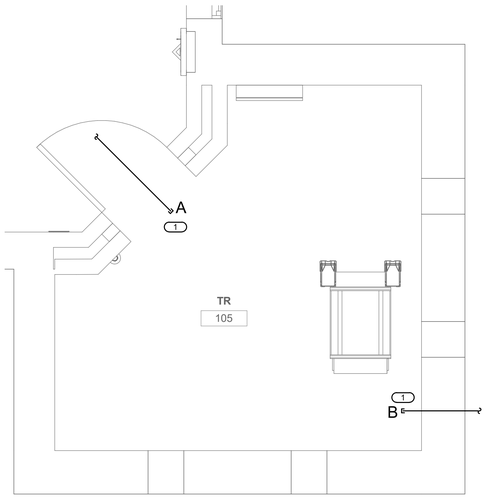


1 TELECOM ROOM ENLARGEMENT TR #105

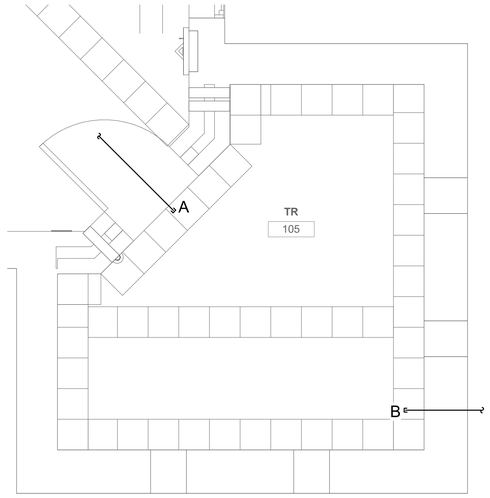
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

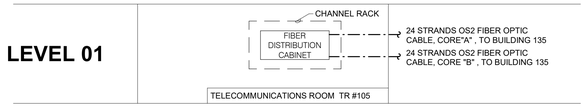
KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #105

1/2" = 1'-0"



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Drawing Title	Phase	Project Title	Project Number
BLDG.33 TECHNOLOGY DETAILS AND DIAGRAMS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 33
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 33T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	652 of 713

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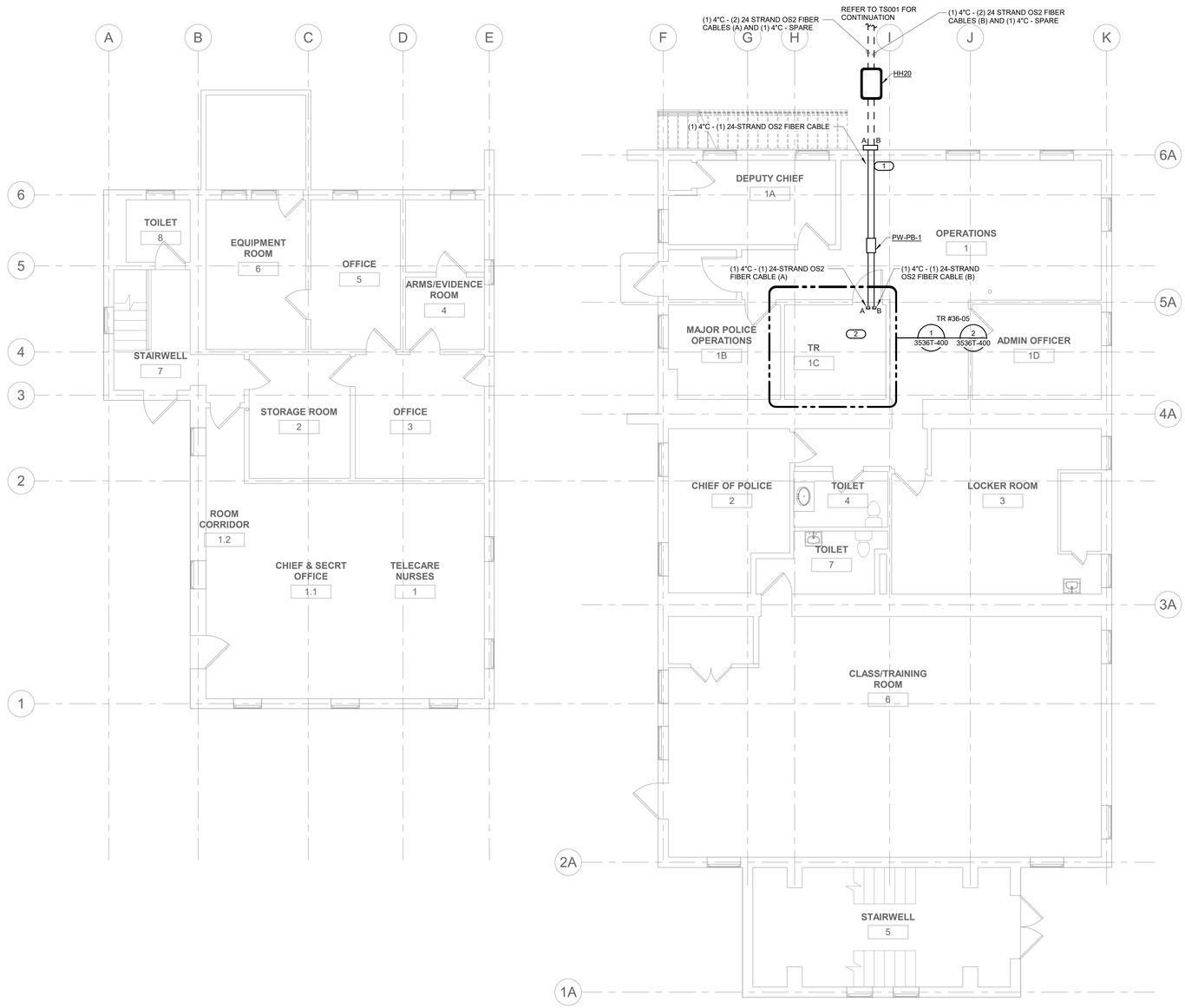
SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINSIHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL ABOVE CEILING INTO TR # 1C.
2. TR #1C SHALL SERVE NETWORK DEVICES ON FLOOR ABOVE.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

3/16" = 1'-0"

Revisions:	Date:

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Drawing Title: BLDG.35-36 LEVEL 01 PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 35,36
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 3536T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	653 of 713

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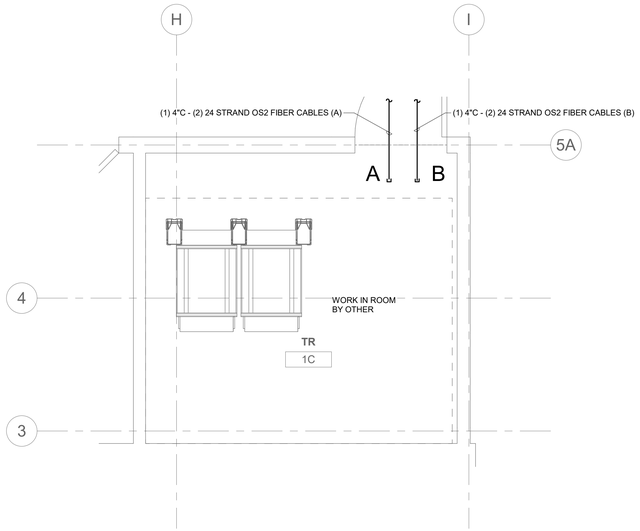


1 TELECOM ROOM ENLARGEMENT TR #36-05

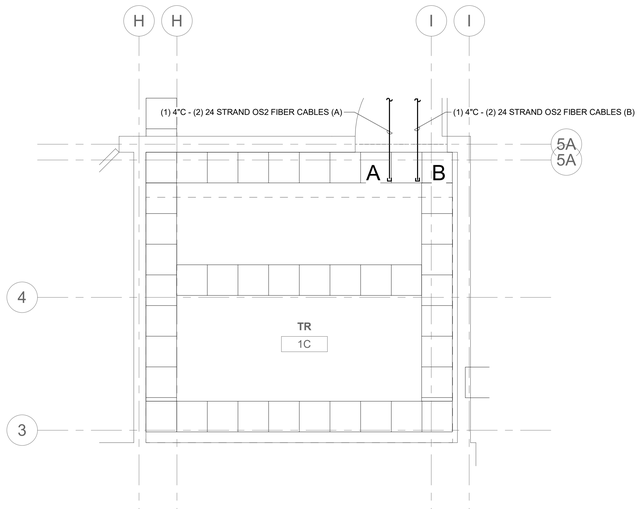
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: #

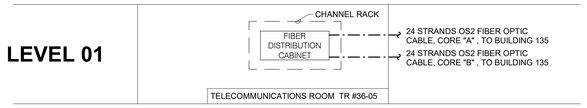
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #36-05

1/2" = 1'-0"

LEVEL 01



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Drawing Title: BLDG.35-36 TECHNOLOGY ENLARGEMENT PLANS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025 | Checked: EW | Drawn: IMEG

Project Number: 509-22-700

Building Number: 35,36

Drawing Number: 3536T-400

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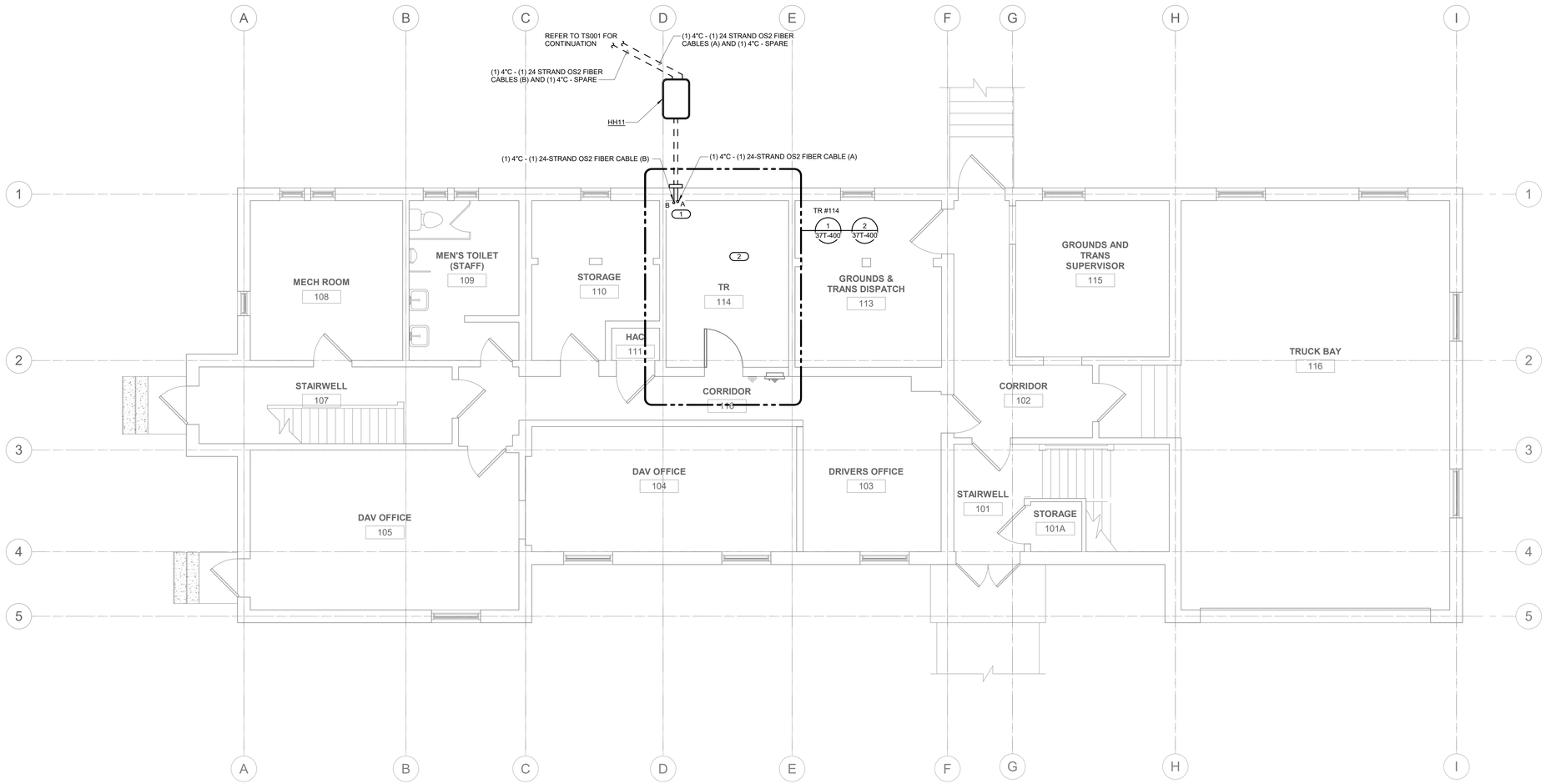
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF CRAWL SPACE CEILING. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU PULLBOX INTO CRAWL SPACE. CONTINUE ROUTE THRU CRAWL SPACE TO LOCATION BELOW TR #114. PROVIDE PENETRATION THRU CRAWL SPACE CEILING AND ROUTE CONDUIT UP TO ABOVE CABLE TRAY HEIGHT IN TR #114.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/4" = 1'-0"

Revisions:	Date:

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SDB SPEESDESIGNBUILD

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Drawing Title	Phase	Project Title	Project Number
BLDG.37 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 37
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 37T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	655 of 713

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EHRM509-700.B37_T_R21.rvt

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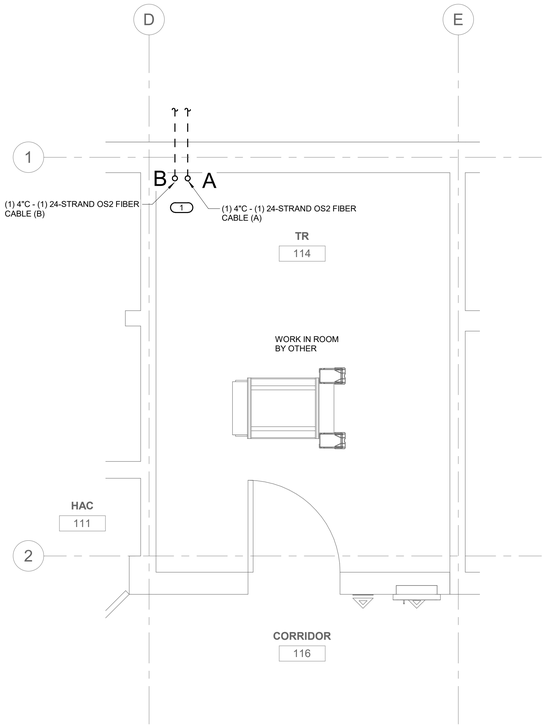


1 TELECOM ROOM ENLARGEMENT TR #114

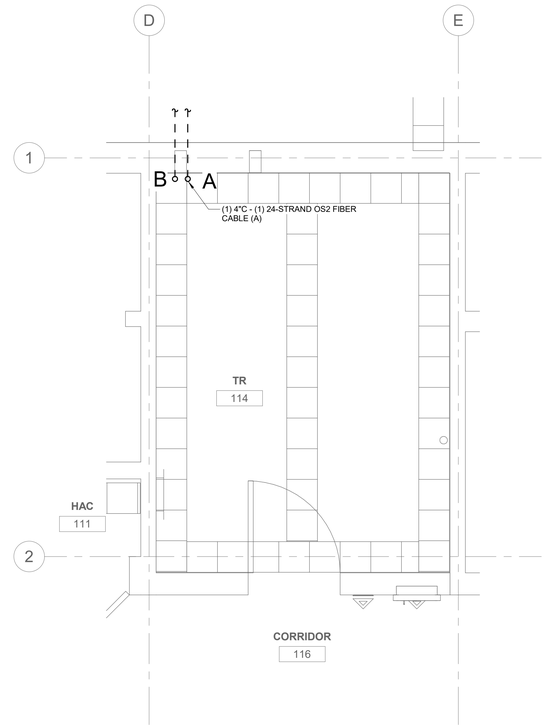
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: #

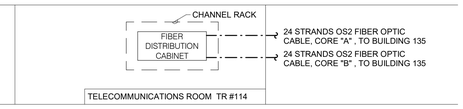
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #114

1/2" = 1'-0"

LEVEL 01



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

CONSULTANT

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PROJECT #22010109.00

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Eddie C. Willis, Jr.
RCDD No: 191562R
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.37 TECHNOLOGY ENLARGEMENT PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 37
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 37T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	656 of 713

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EHRMDS509-700.B37.T_R21.rvt

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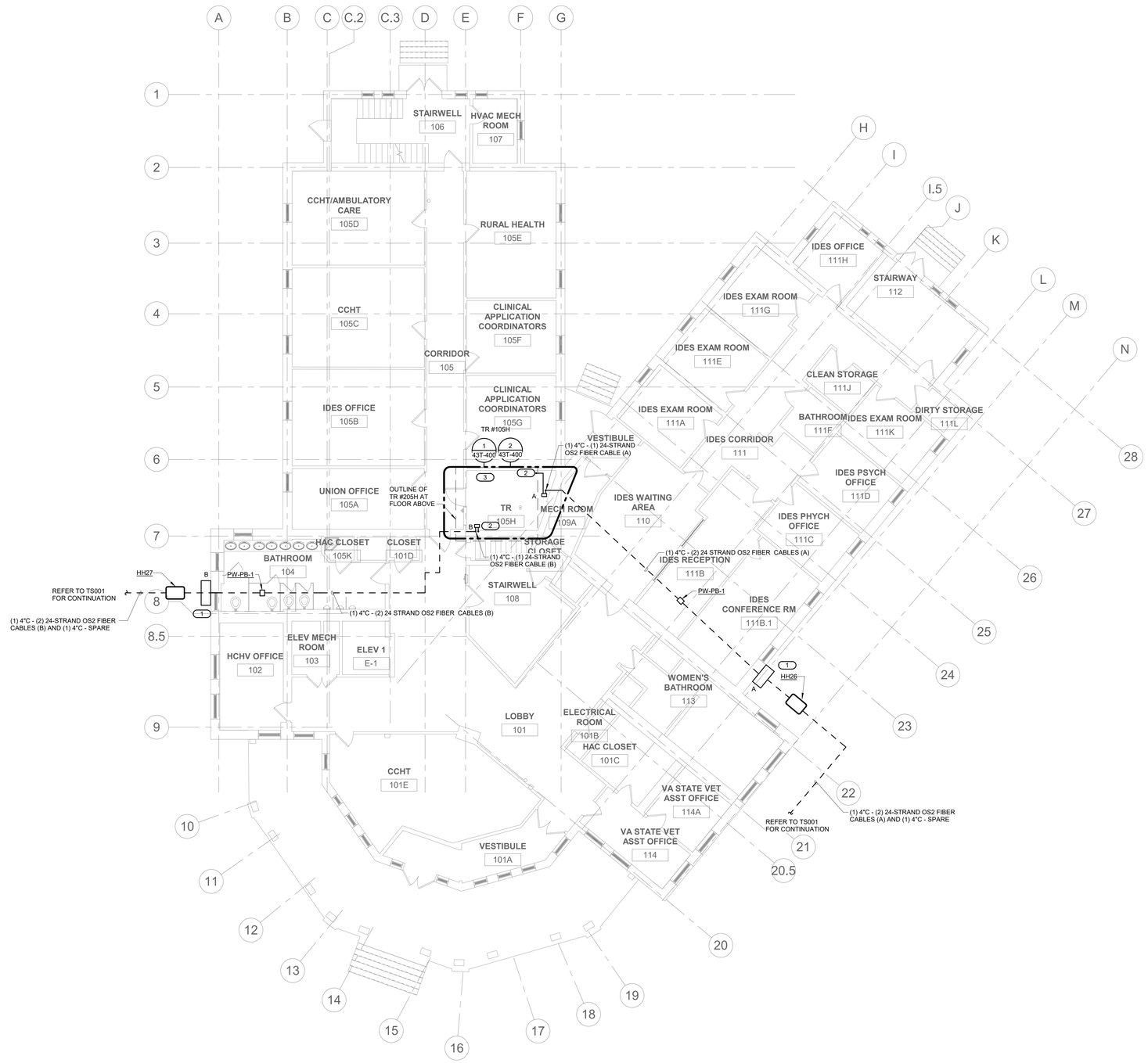
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.
7. CONDUIT ROUTES THRU CRAWL SPACE ARE "SUGGESTED" ROUTE. FIELD VERIFY EXACT ROUTE THRU CRAWL SPACE.

KEY NOTES: (#)

1. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT INTO CRAWL SPACE AND CONTINUE TO LOCATION BELOW TR #105H.
2. PROVIDE PENETRATION TRHU CEILING DECK AND ROUTE CONDUIT UP INTO TR #105H.
3. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY. PROVIDE PULLBOX AND PENETRATION THRU CEILING TO ROUTE CONDUIT UP INTO TR #205H.



1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

NORTH

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
BLDG.43 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 43
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 43T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	657 of 713

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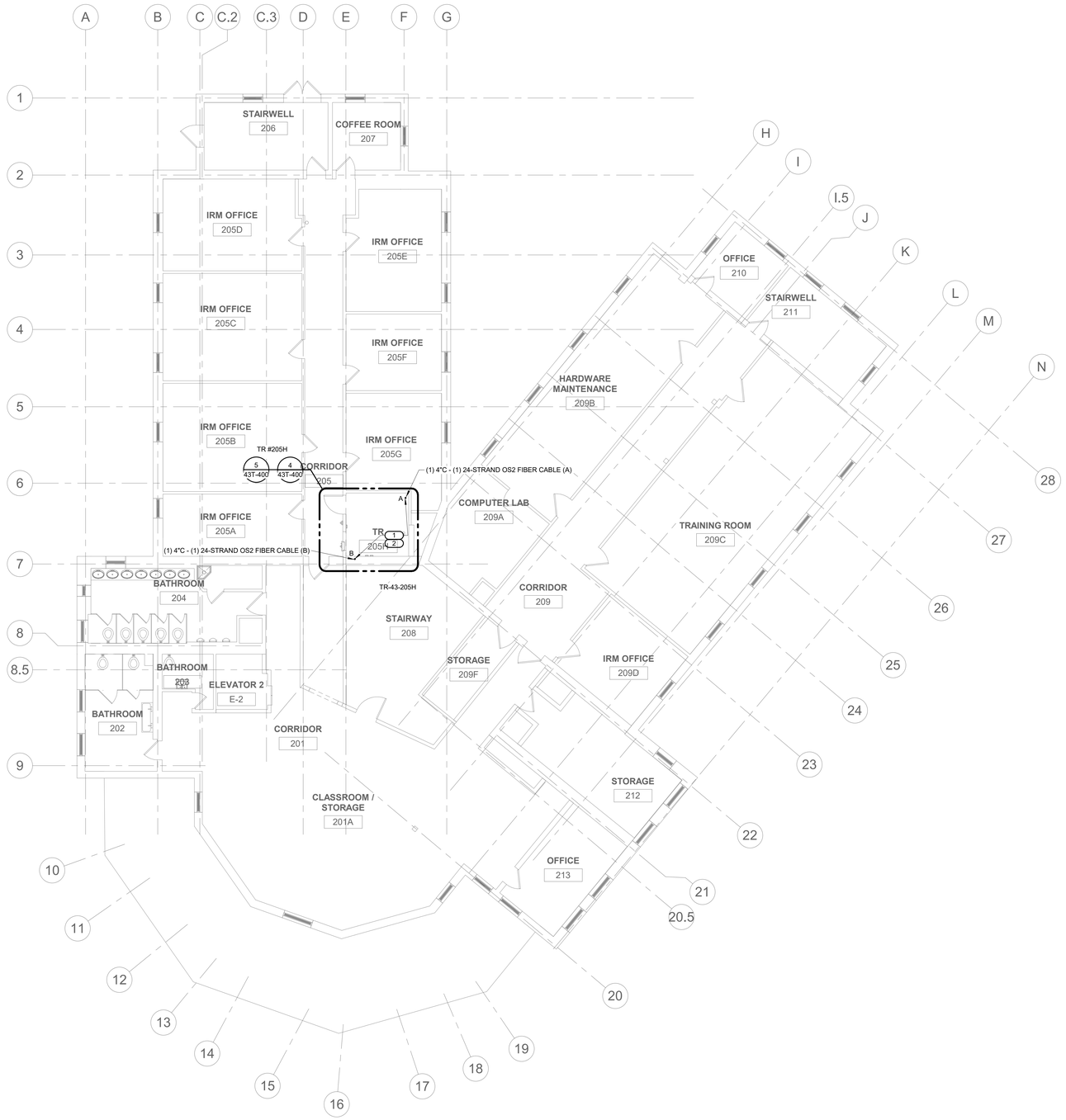
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY.
2. PROVIDE (2) SETS OF 6-STRAND, OM4, OPTICAL FIBER CABLES FROM CORE A AND CORE B IN FIBER DISTRIBUTION CABINET TO (2) EXISTING NETWORK SWITCHES IN COMPUTER LAB #209A. REFER TO ENLARGED PLANS FOR ADDITIONAL WORK REQUIREMENTS.



1 LEVEL 02 PLAN - TECHNOLOGY

1/8" = 1'-0"

NORTH

Revisions:	Date:

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ARCHITECT/ENGINEER OF RECORD

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23830 PACIFIC HIGHWAY S. SUITE 203
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VA U.S. Department of Veterans Affairs

Drawing Title	BLDG.43 LEVEL 02 PLAN - TECHNOLOGY
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	
FULLY SPRINKLERED	
Project Title	EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Project Number	509-22-700
Building Number	43
Location	HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Drawing Number	43T-202
Issue Date	05/09/2025
Checked	EW
Drawn	IMEG

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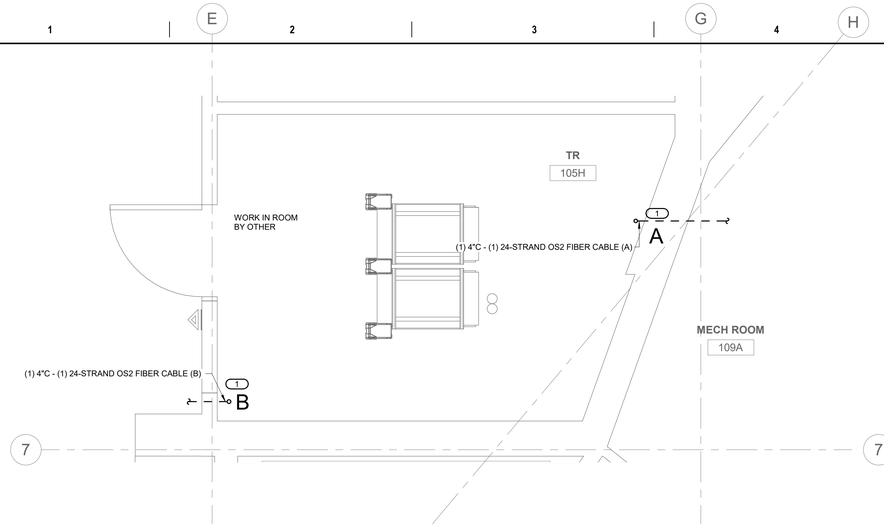


1 TELECOM ROOM ENLARGEMENT TR #105H

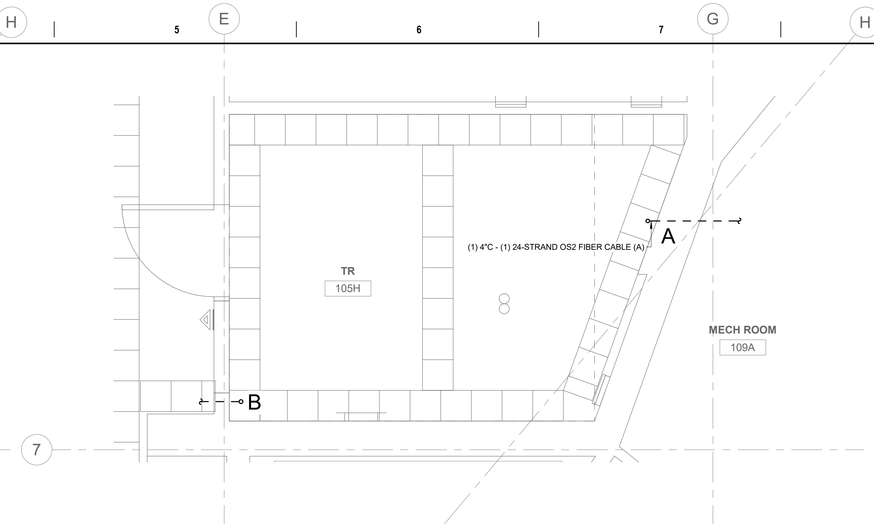
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

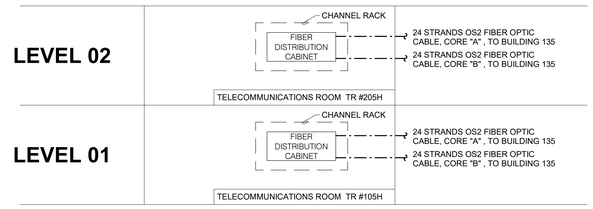
KEY NOTES: (#)

1. THROUGH FLOOR PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #105H

1/2" = 1'-0"

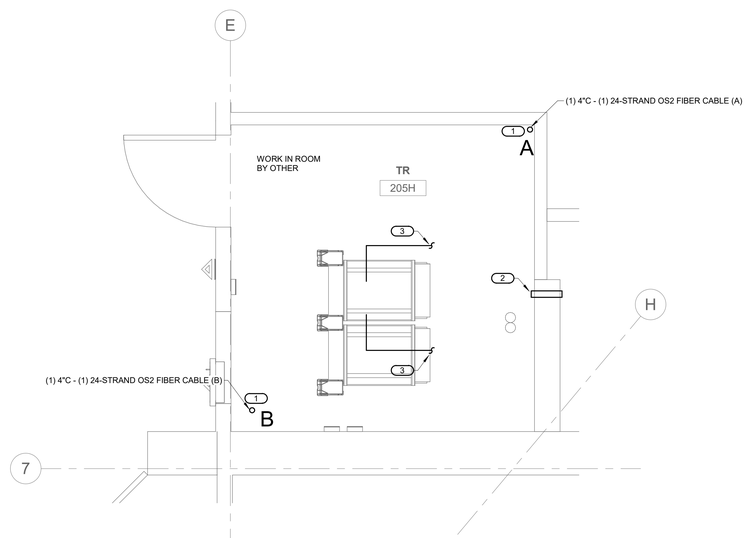


3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS



4 TELECOM ROOM ENLARGEMENT TR #205H

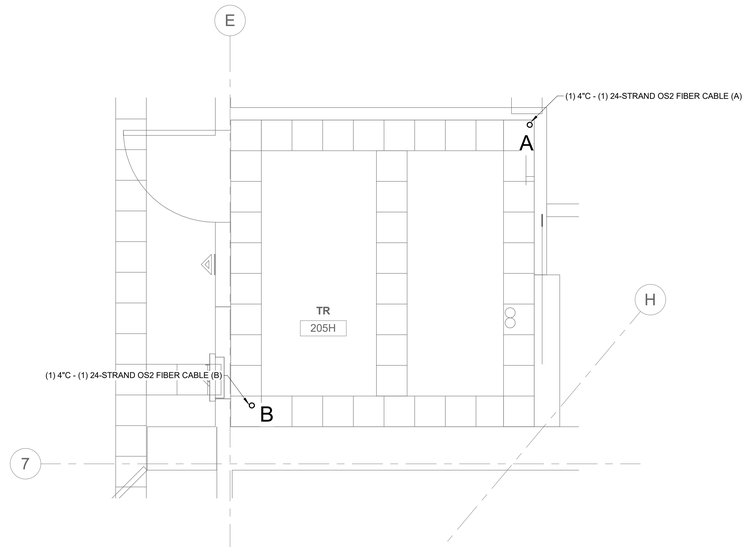
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: (#)

1. THROUGH FLOOR/CEILING PENETRATION FOR BACKBONE CONDUIT. CONDUIT SHALL CONTINUE UP TO HEIGHT OF CABLE TRAY. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.
2. PROVIDE NEW PATHWAY THRU WALL OF TELECOM ROOM TO ROUTE FIBER CABLES INTO COMPUTER ROOM #209A.
3. PROVIDE (2) SETS OF 2-STRAND, OM4, OPTICAL FIBER CABLES FROM CORE A AND CORE B IN FIBER DISTRIBUTION CABINET IN NEW RACK TO EXISTING NETWORK SWITCHES IN COMPUTER LAB #209A VIA INNERDUCT AND CABLE SUPPORTS. TERMINATE BOTH ENDS OF EACH CABLE WITH LC CONNECTORS. REFER TO SECOND FLOOR PLAN FOR LOCATION OF COPUTER LAB #209A.



5 TELECOM ROOM PATHWAY TR #205H

1/2" = 1'-0"

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Drawing Title: BLDG.43 TECHNOLOGY ENLARGEMENTS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 43
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 43T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	659 of 713

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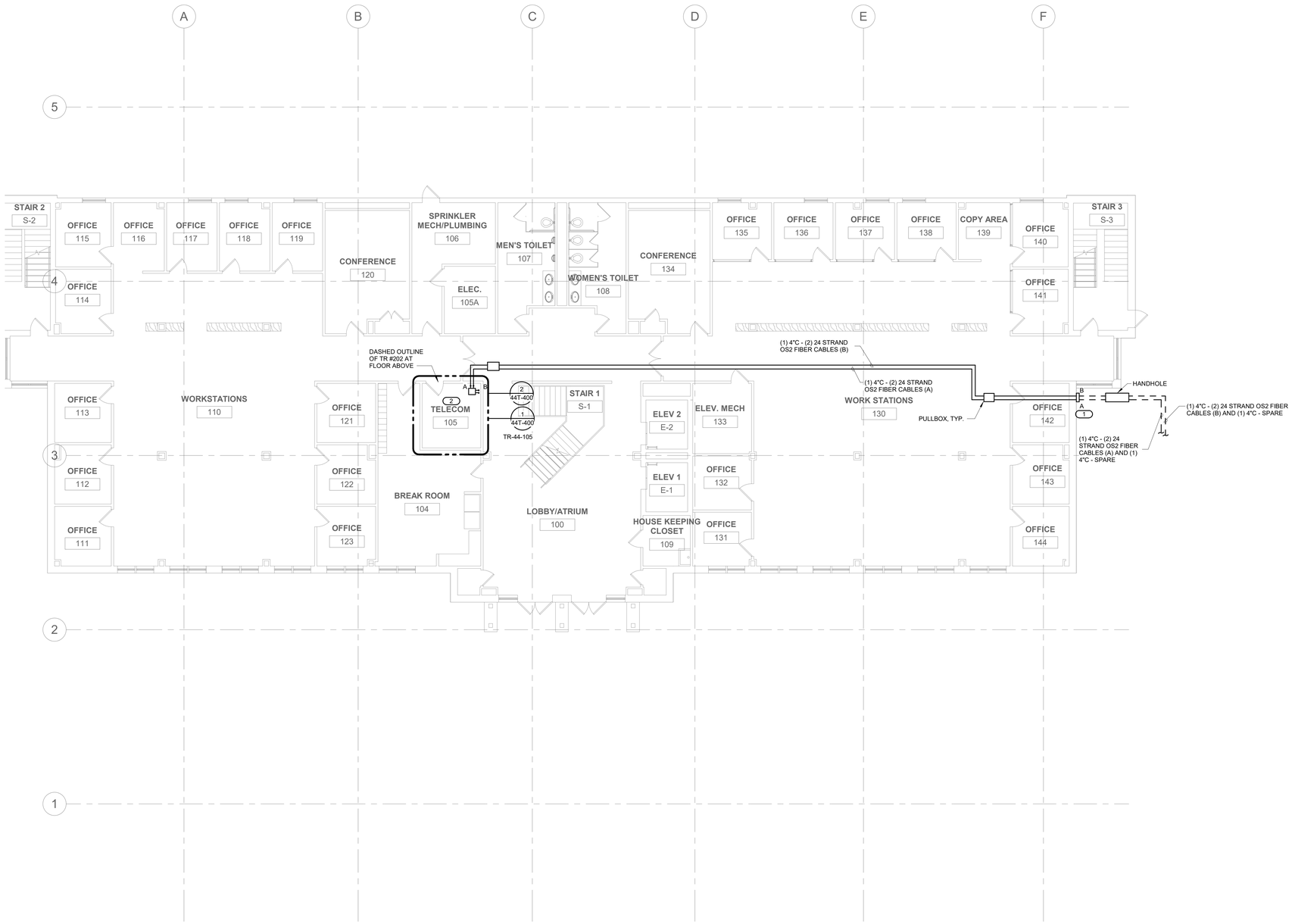
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEYNOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF FIRST FLOOR CEILING. ROUTE CONDUIT FROM HANDHOLE UP WALL INTO PULLBOX. PROVIDE PENETRATIONS THRU WALLS AND CONTINUE ROUTE ABOVE CORRIDOR FINISHED CEILING OVER INTO TR #105.
2. ROUTE CONDUITS INTO TR #105 AT ABOVE HEIGHT OF CABLE TRAY. PROVIDE PULLBOX AND ROUTE CONDUIT TO LOCATION BELOW TR #202. PROVIDE PENETRATIONS THRU CEILING DECK AND ROUTE CONDUITS UP INTO TR #202.



1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

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PROJECT #22010109.00

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Drawing Title	Phase	Project Title	Project Number
BLDG.44 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 44
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 44T-101
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	660 of 713

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SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
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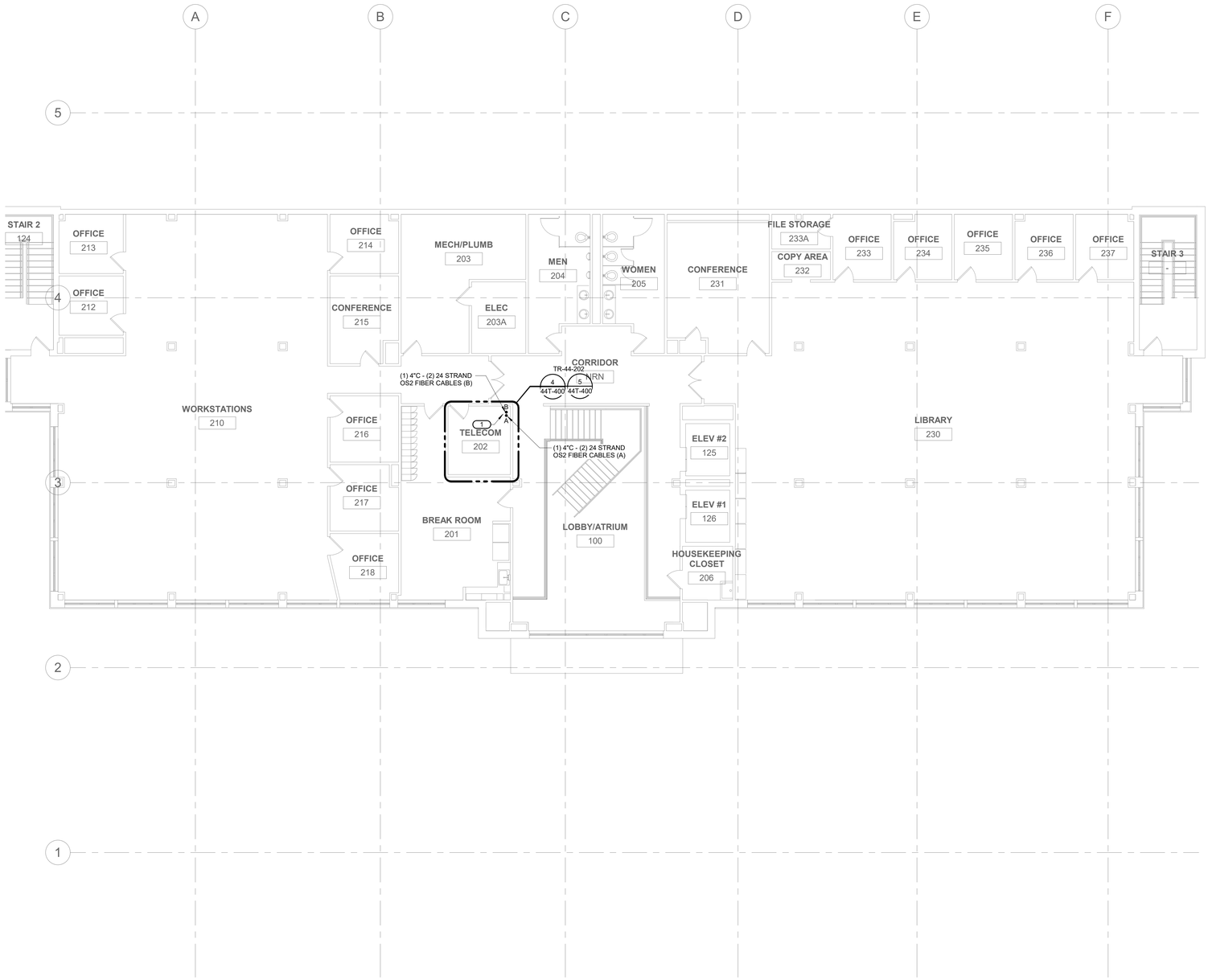
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. ROUTE CONDUIT UP THRU FLOOR FROM TR #105 AT FLOOR BELOW. CONTINUE ROUTE OF CONDUIT UP TO ABOVE CABLE TRAY.



NORTH

1 LEVEL 02 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: BLDG.44 LEVEL 02 PLAN - TECHNOLOGY

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025 | Checked: EW | Drawn: IMEG

Project Number: 509-22-700

Building Number: 44

Drawing Number: 44T-102

661 of 713

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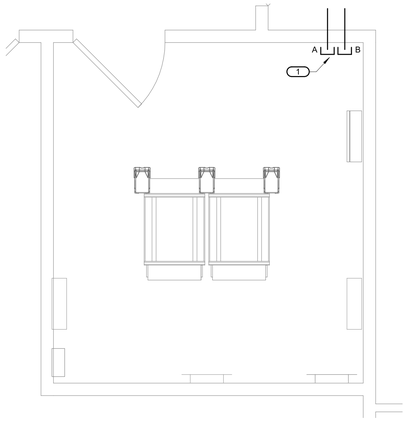


1 TELECOM ROOM ENLARGEMENT PLAN - TR-44-105

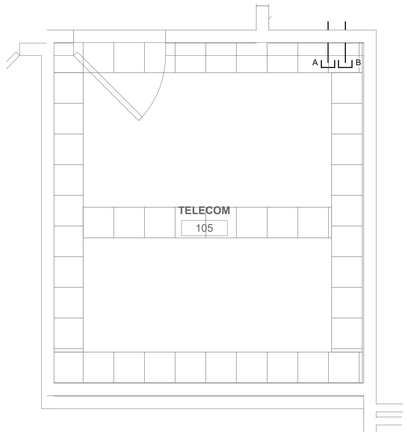
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLES TO OVERHEAD CABLE TRAYS AND TERMINATE IN FIBER DISTRIBUTION CABINET

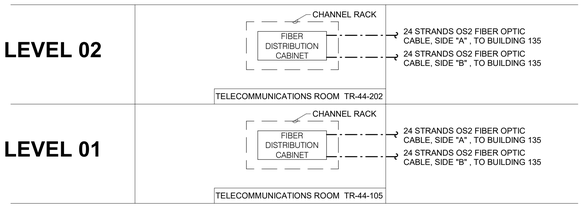
KEYNOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLES CONTINUE ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAYS - TR-44-105

1/2" = 1'-0"



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

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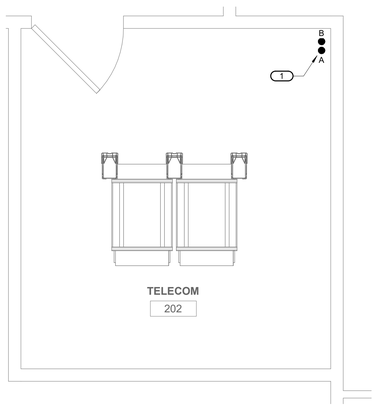
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS



4 TELECOM ROOM ENLARGEMENT PLAN - TR-44-202

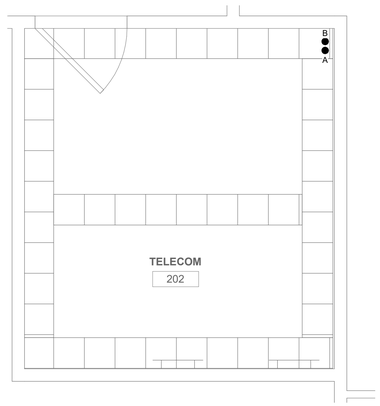
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLES TO OVERHEAD CABLE TRAYS AND TERMINATE IN FIBER DISTRIBUTION CABINET

KEYNOTES: #

1. THROUGH FLOOR/CEILING PENETRATION FOR BACKBONE CONDUIT. CONTINUE CONDUTI UP TO ABOVE CABLE TRAY. OPTICAL FIBER CABLES CONTINUE ON CABLE TRAY TO RACKS.



5 TELECOM ROOM PATHWAYS - TR-44-202

1/2" = 1'-0"

Revisions:	Date:

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Eddie C. Willis, Jr.
RCDD No: 191562R
EXPIRES 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.44 TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 44
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 44T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	662 of 713

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VA FORM 08 - 6231

SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
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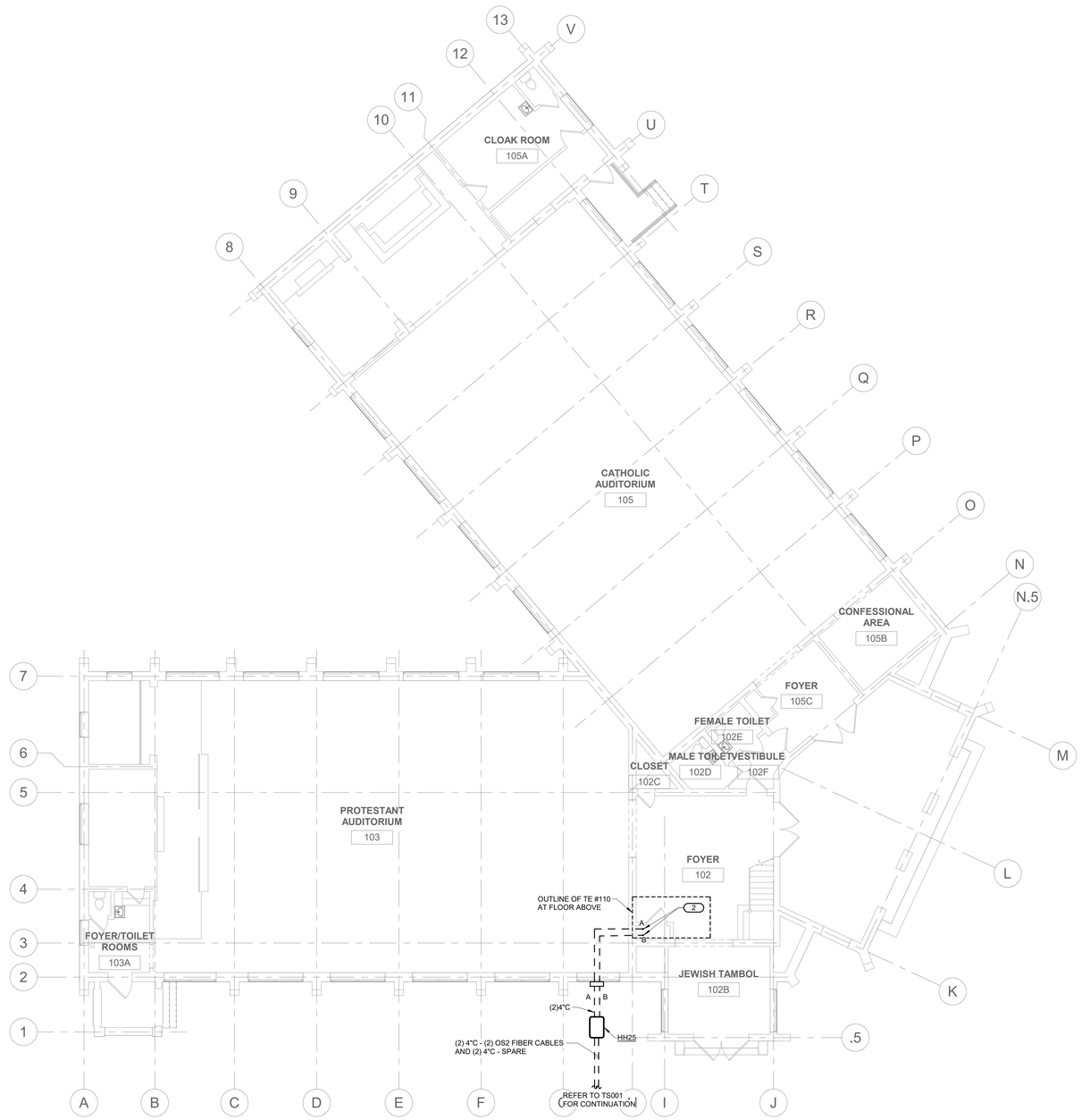
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF CRAWL SPACE CEILING. PROVIDE PENETRATION THRU WALL. ROUTE CONDUIT UP THRU PULLBOX AND THRU WALL INTO CRAWL SPACE
2. CONTINUE TO ROUTE IN CRAWL SPACE TO LOCATION BELOW CLOSET IN FOYER. PROVIDE PENETRATION THRU CRAWL SPACE AND FIRST FLOOR CEILING AND ROUTE CONDUITS UP TO ABOVE HEIGHT OF TE #110.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
BLDG.48 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 48
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 48T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	663 of 713

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EHRM-509-700.B48.T_R21.rvt

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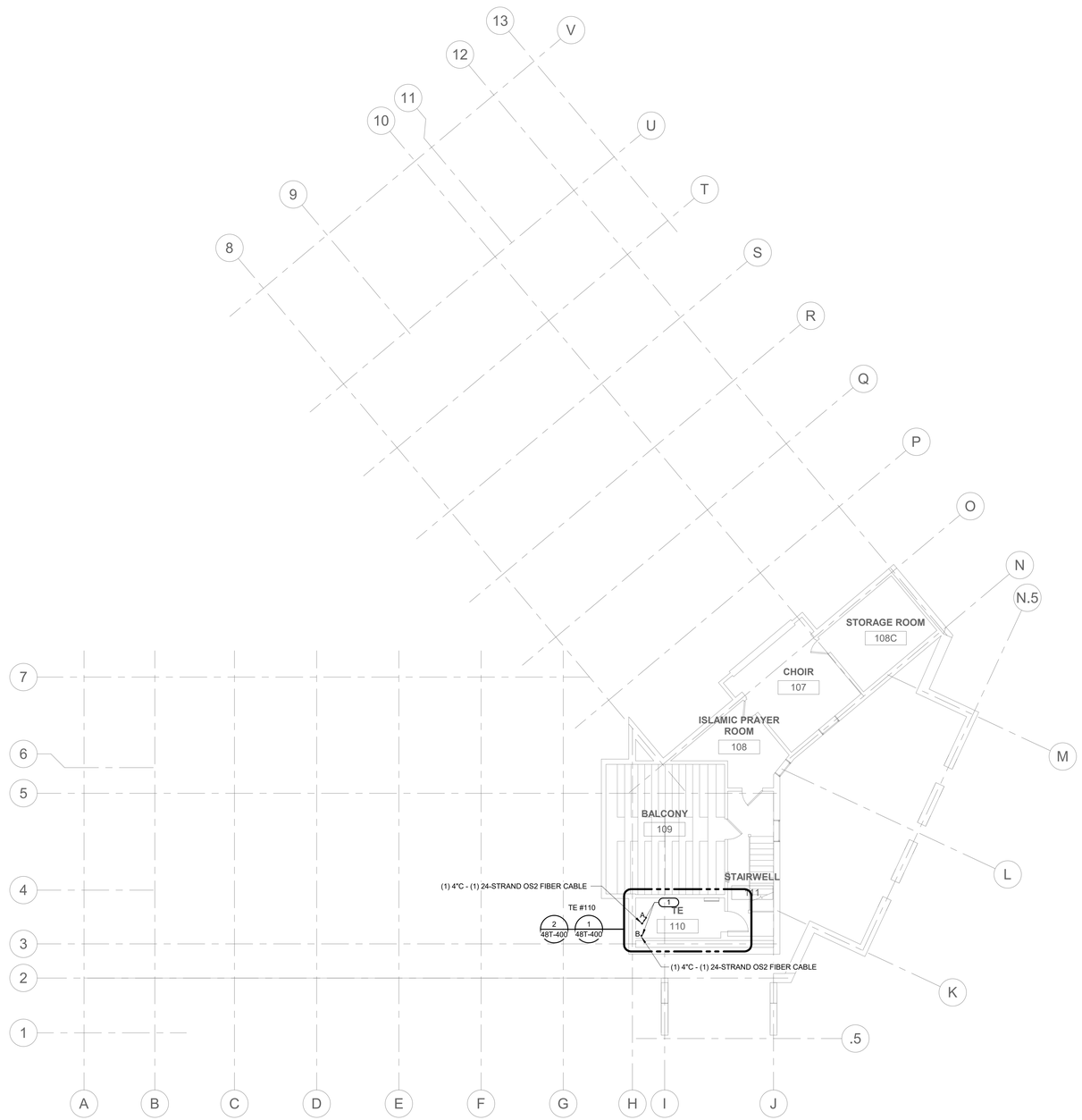
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDTIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.

KEY NOTES: (#)

1. ROUTE CONDUIT UP TO HEIGHT ABOVE TE #110 AND CABLE TRAY.



NORTH

1 LEVEL 02 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
BLDG.48 LEVEL 02 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 48
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 48T-202
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	664 of 713

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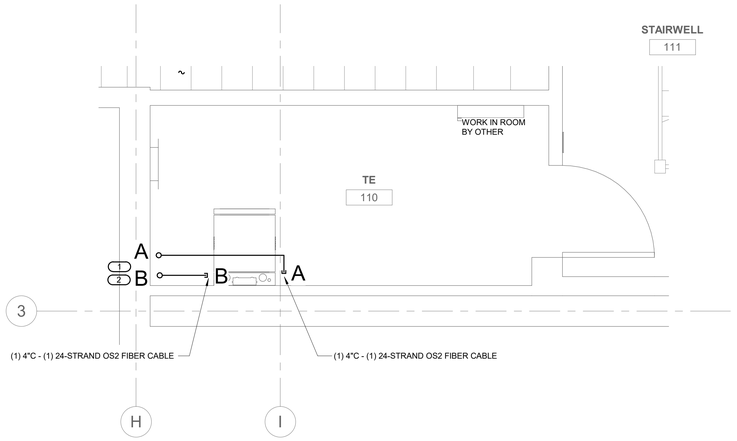


1 TELECOM ENCLOSURE ENLARGEMENT TE #110

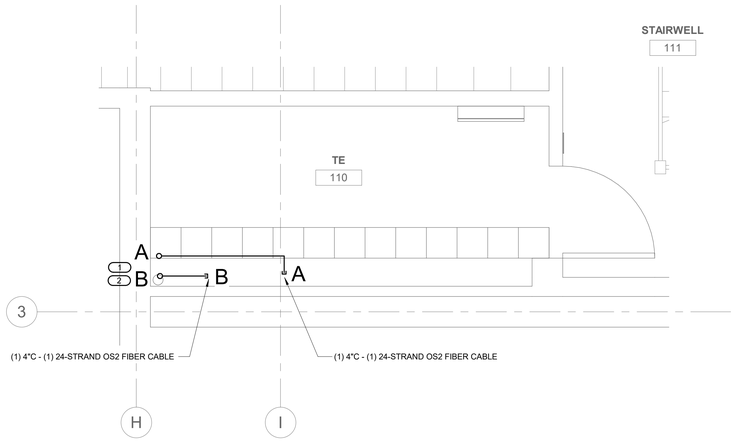
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: (#)

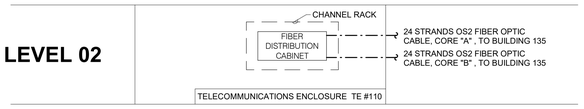
1. THROUGH FLOOR PENETRATION FOR BACKBONE CONDUIT AND OPTICAL FIBER CABLE
2. CONTINUE ROUTE OF CONDUIT UP TO CEILING HEIGHT AND OVER TO CABLE TRAY ABOVE TE #110 OPTICAL FIBER CONTINUES ON CABLE TRAY TO TE.



2 TELECOM ENCLOSURE PATHWAY TE #110

1/2" = 1'-0"

LEVEL 02



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Drawing Title: BLDG.48 TECHNOLOGY DETAILS AND DIAGRAMS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025 | Checked: EW | Drawn: IMEG

Project Number: 509-22-700

Building Number: 48

Drawing Number: 48T-400

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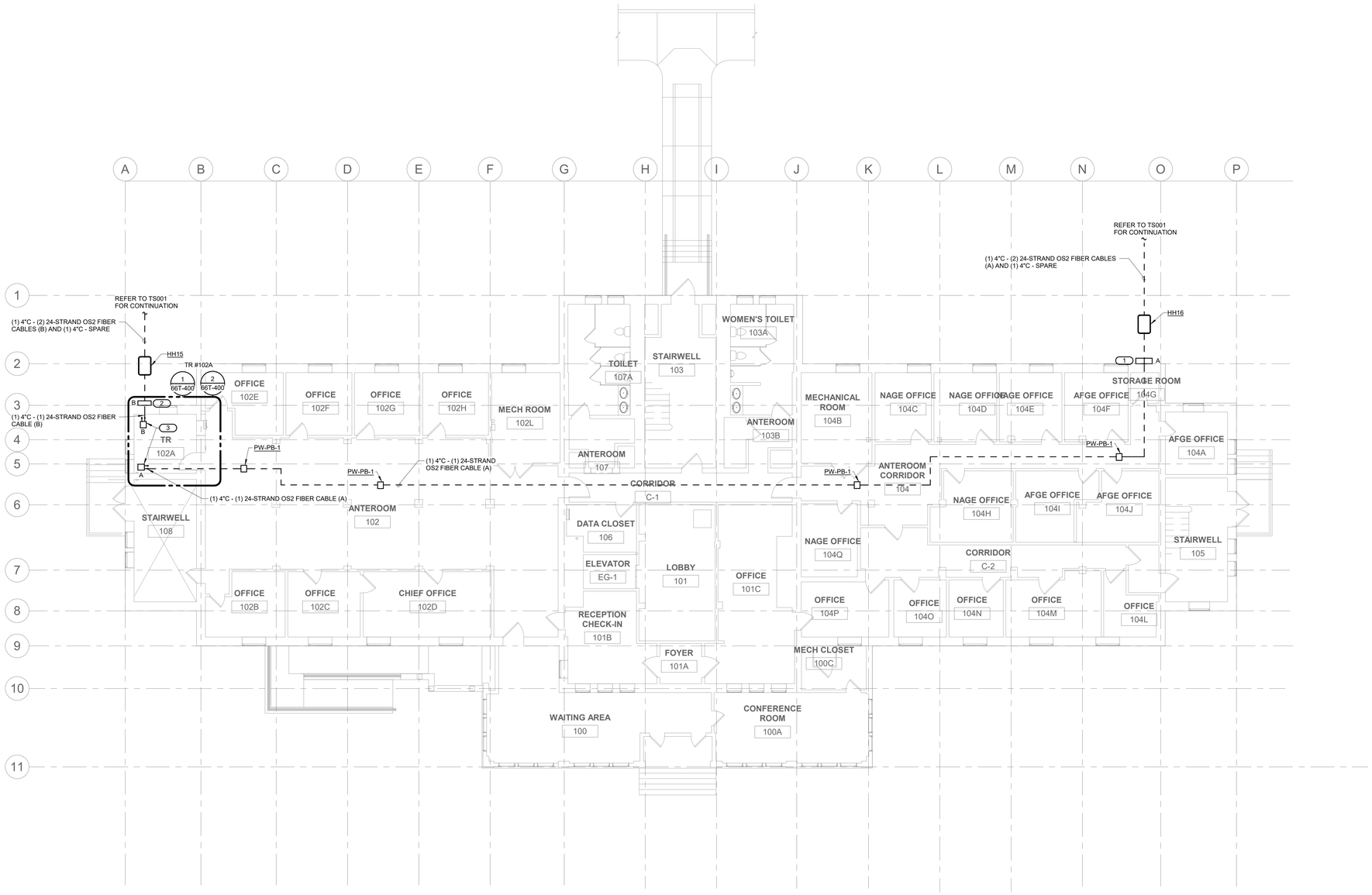
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.
7. CONDUIT ROUTES THRU CRAWL SPACE ARE SUGGESTED" ROUTE. FIELD VERIFY EXACT ROUTE THRU CRAWL SPACE.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF CRAWL SPACE CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL INTO CRAWL SPACE AND OVER TO LOCATION BELOW TR #102A.
2. PROVIDE PULLBOX ON EXTERIOR WALL ABOVE CABLE TRAY HEIGHT IN TR #114 ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND STUB CONDUIT ABOVE CABLE TRAY.
3. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY. PROVIDE PULLBOX AND PENETRATION THRU CEILING TO ROUTE CONDUIT UP INTO TR #202F.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
BLDG.66 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 66
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 66T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	666 of 713

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EHRM/509-700.B66.T_R21.rvt
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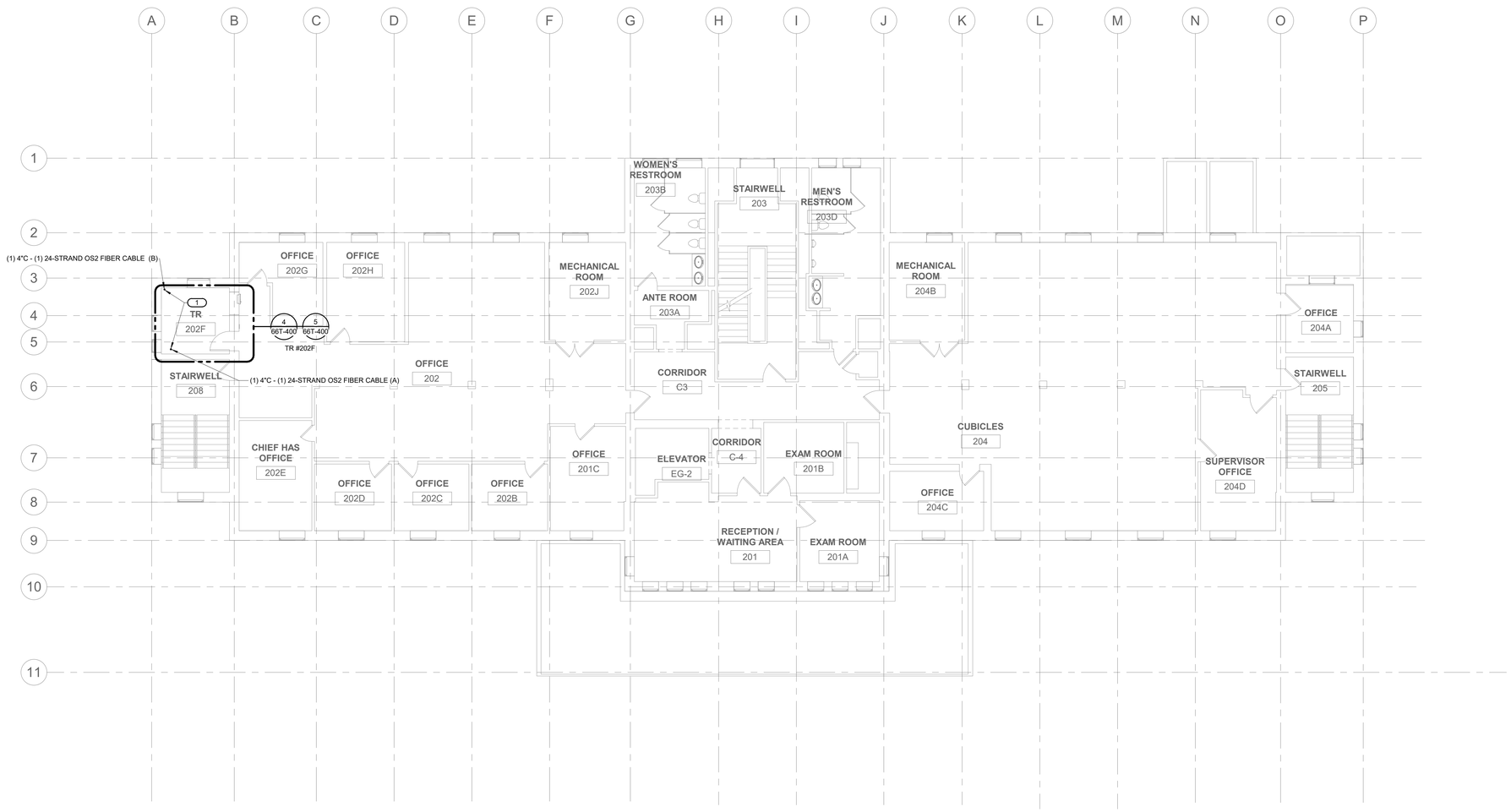
VA FORM 08 - 6231

SHEET NOTES:

1. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.
2. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY.



NORTH

1 LEVEL 02 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

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Drawing Title	BLDG.66 LEVEL 02 PLAN - TECHNOLOGY
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Project Number	509-22-700
Building Number	66
Location	HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Issue Date	05/09/2025
Checked	EW
Drawn	IMEG
Drawing Number	66T-202

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EHRM509-700.B66_T_R21.rvt

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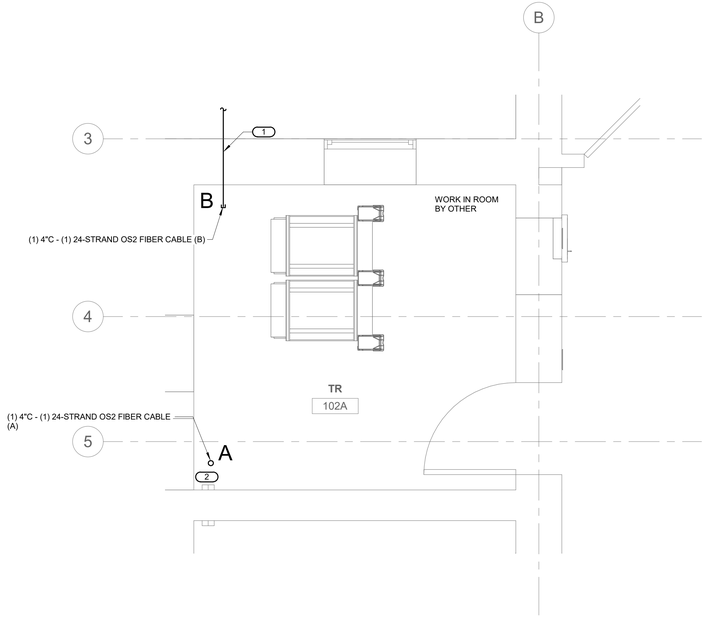


1 TELECOM ROOM ENLARGEMENT TR #102A

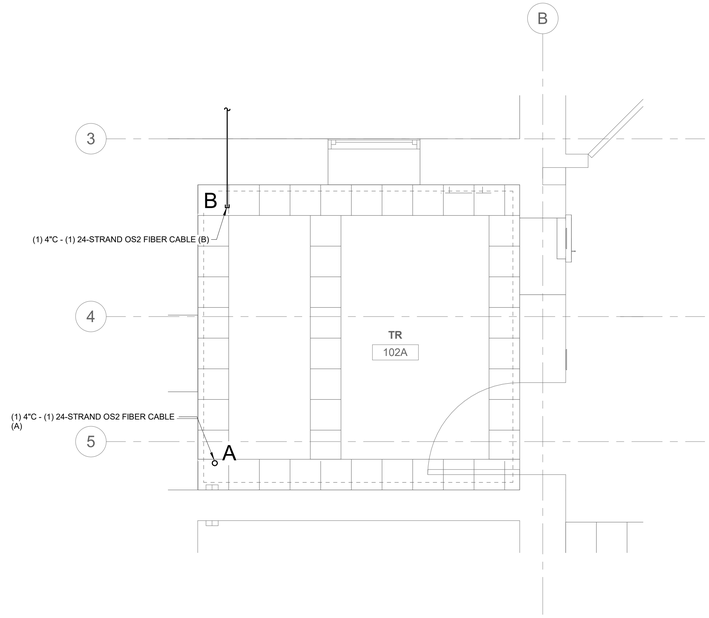
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

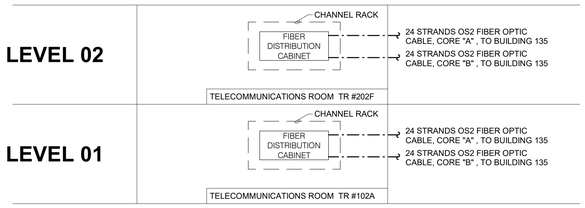
KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.
2. THROUGH FLOOR/CEILING PENETRATION FOR BACKBONE CONDUIT. CONDUIT SHALL CONTINUE UP TO HEIGHT OF CABLE TRAY. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO TR.



2 TELECOM ROOM PATHWAY TR #102A

1/2" = 1'-0"

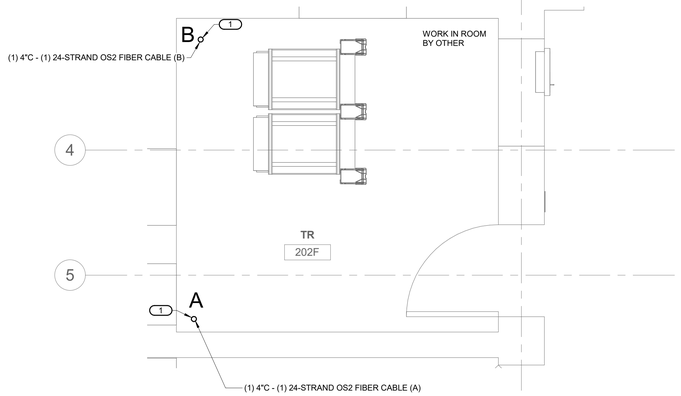


3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS



4 TELECOM ROOM ENLARGEMENT TR #202F

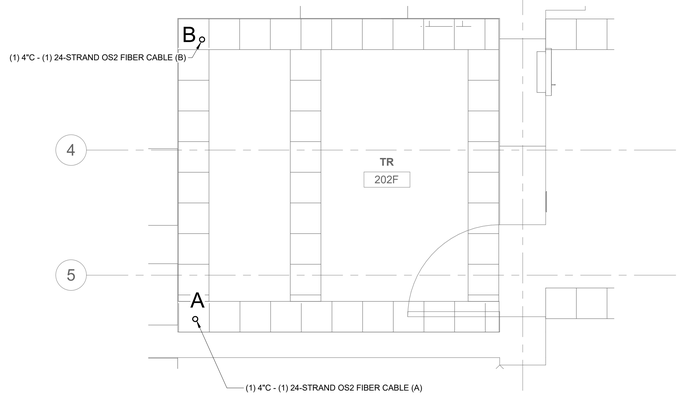
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: (#)

1. THROUGH FLOOR/CEILING PENETRATION FOR BACKBONE CONDUIT. CONDUIT SHALL CONTINUE UP TO HEIGHT OF CABLE TRAY. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO TR.



5 TELECOM ROOM PATHWAY TR #202F

1/2" = 1'-0"

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Drawing Title	Phase	Project Title	Project Number
BLDG.66 TECHNOLOGY DETAILS AND DIAGRAMS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 66
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 66T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	668 of 713

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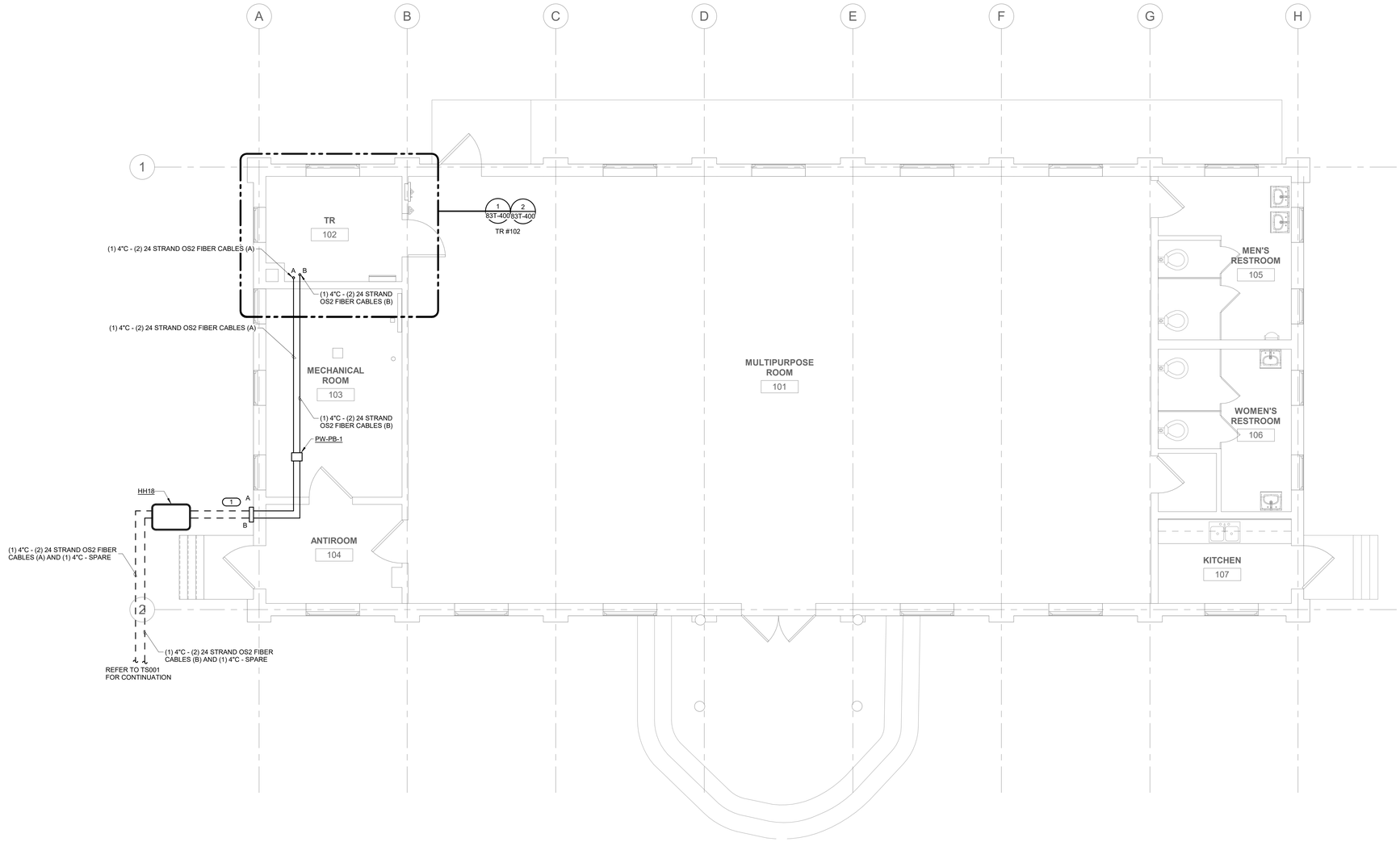
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINISHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT ABOVE CEILING THRU CORRIDORS INTO TR #102.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/4" = 1'-0"

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
BLDG.83 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 83
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 83T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	669 of 713

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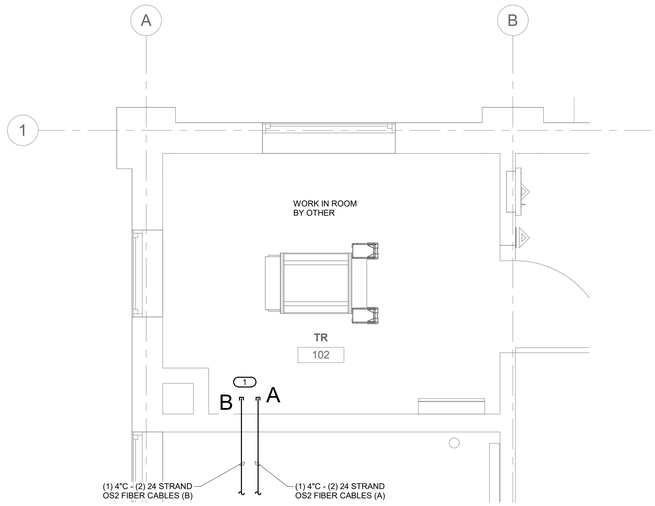


NORTH

1 TELECOM ROOM ENLARGEMENT TR #102

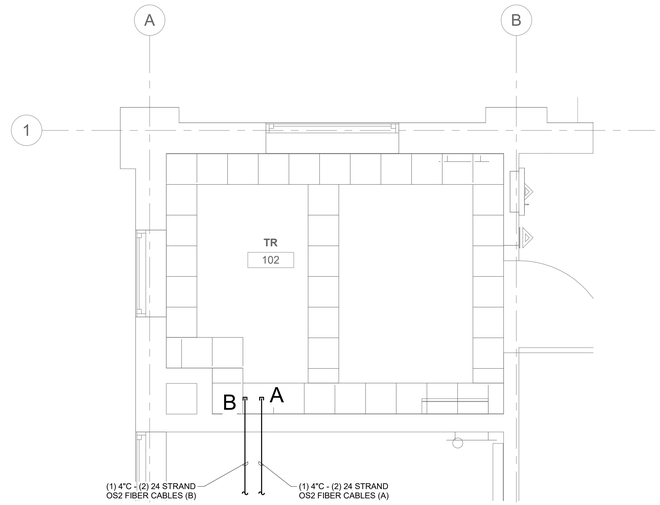
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: (#)

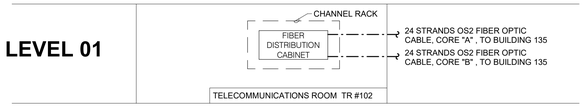
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



NORTH

2 TELECOM ROOM PATHWAY TR #102

1/2" = 1'-0"



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

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Reg. No: 191562R
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Drawing Title	Phase	Project Title	Project Number
BLDG.83 TECHNOLOGY DETAILS AND DIAGRAMS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 83
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 83T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	670 of 713

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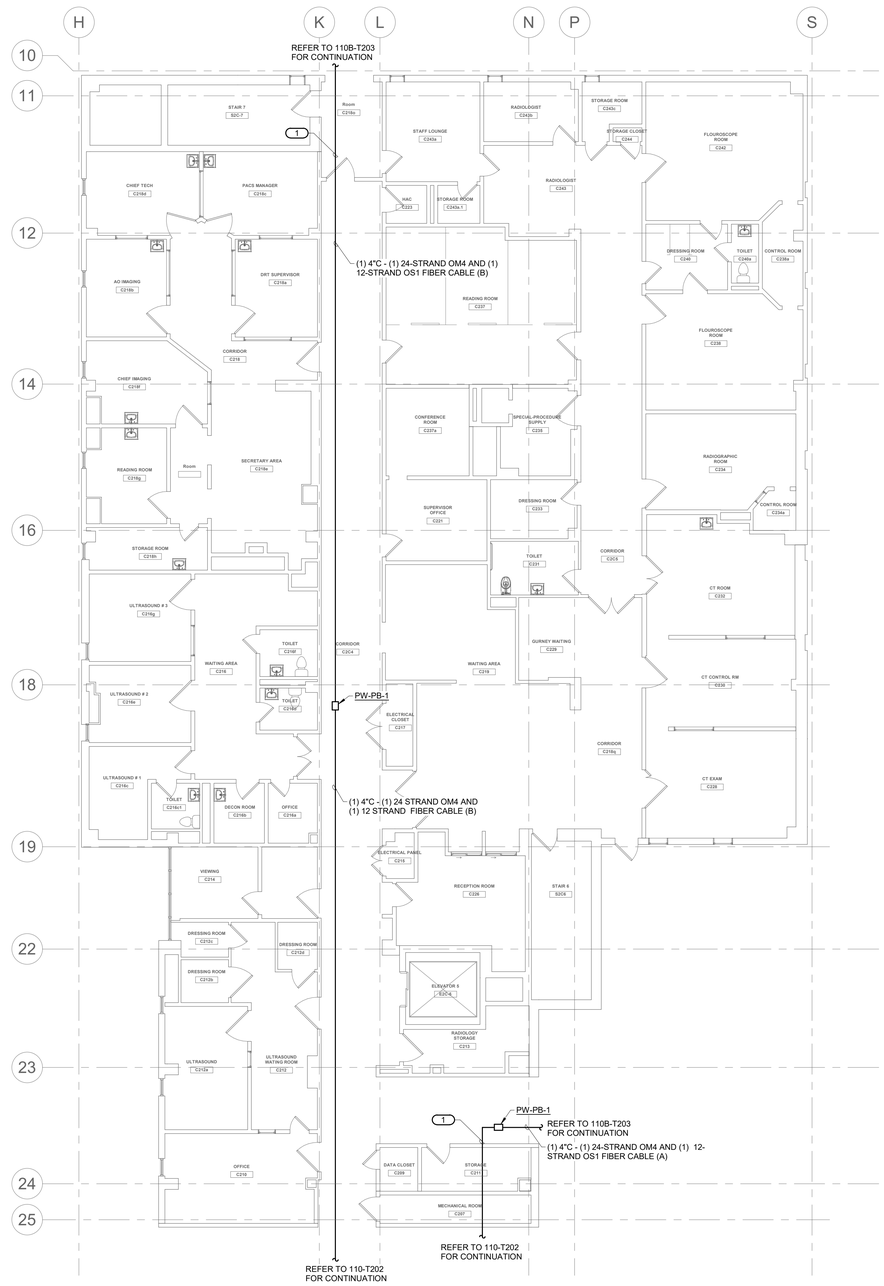
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.
5. ROUTES SHOWN THRU CRAWL SPACE ARE "SUGGESTED" ROUTES. FIELD VERIFY EXACT ROUTES IN CRAWL SPACE.
6. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. ROUTE CONDUITS ABOVE CORRIDOR CEILINGS TO TR # 2A-154A IN BLDG 110B.



NORTH

1 LEVEL 02 PLAN - TECHNOLOGY

1/8" = 1'-0"

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Drawing Title	Phase	Project Title	Project Number
BLDG.110A LEVEL 02 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110A
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110AT-202
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	671 of 713

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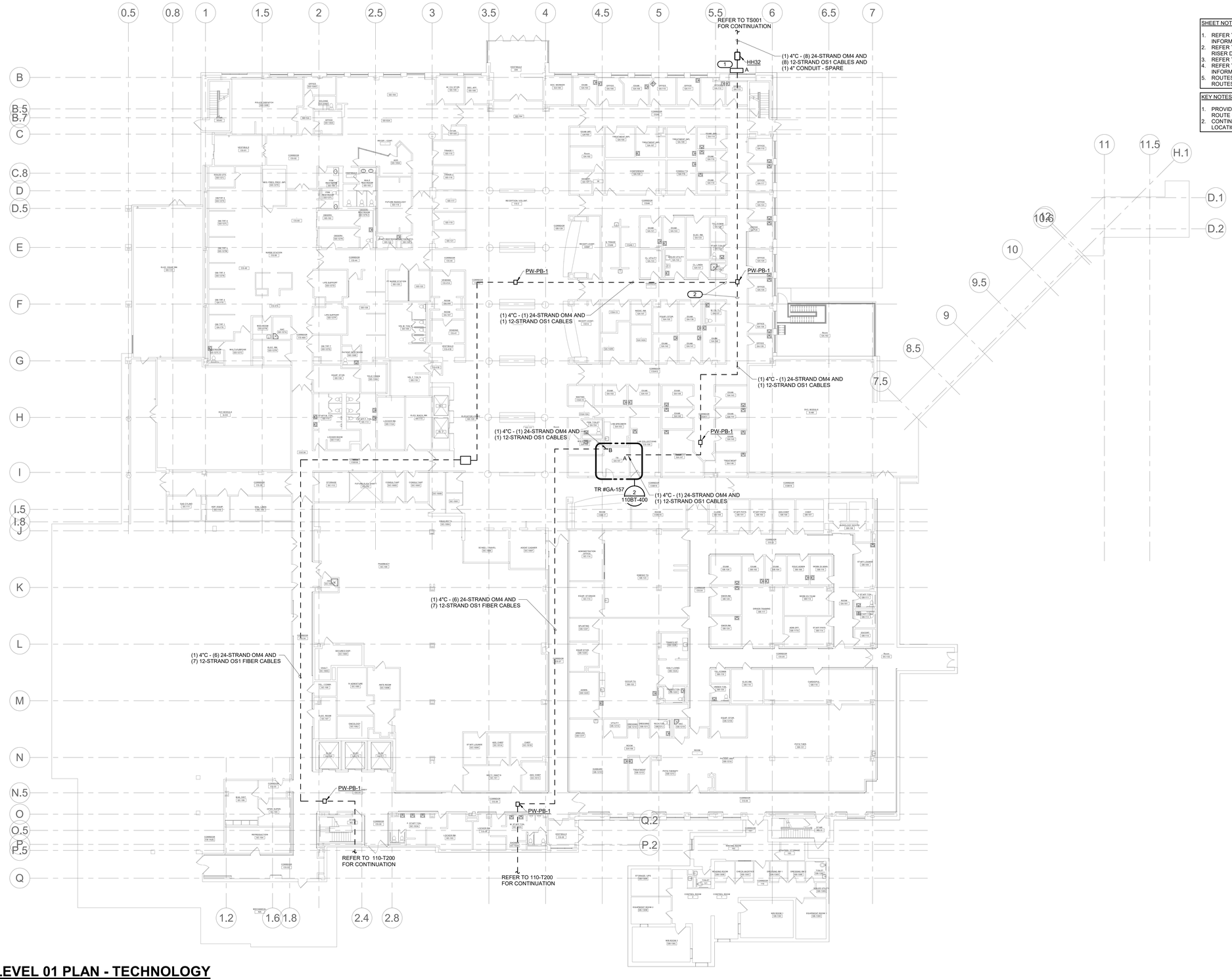

SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.
5. ROUTES SHOWN THRU CRAWL SPACE ARE "SUGGESTED" ROUTES. FIELD VERIFY EXACT ROUTES IN CRAWL SPACE.

KEY NOTES: (#)

1. PROVIDE PENETRATION THRU EXTERIOR WALL AND ROUTE CONDUITS INTO BLDG. 110B CRAWL SPACE.
2. CONTINUE ROUTE OF CONDUITS IN CRAWL SPACE TO LOCATION OF TR#GA157 AND TO TRs IN BLDG 110.

1 LEVEL 01 PLAN - TECHNOLOGY

1/16" = 1'-0"

NORTH

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Drawing Title	Phase	Project Title	Project Number
BLDG.110B LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110B
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110BT-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	672 of 713

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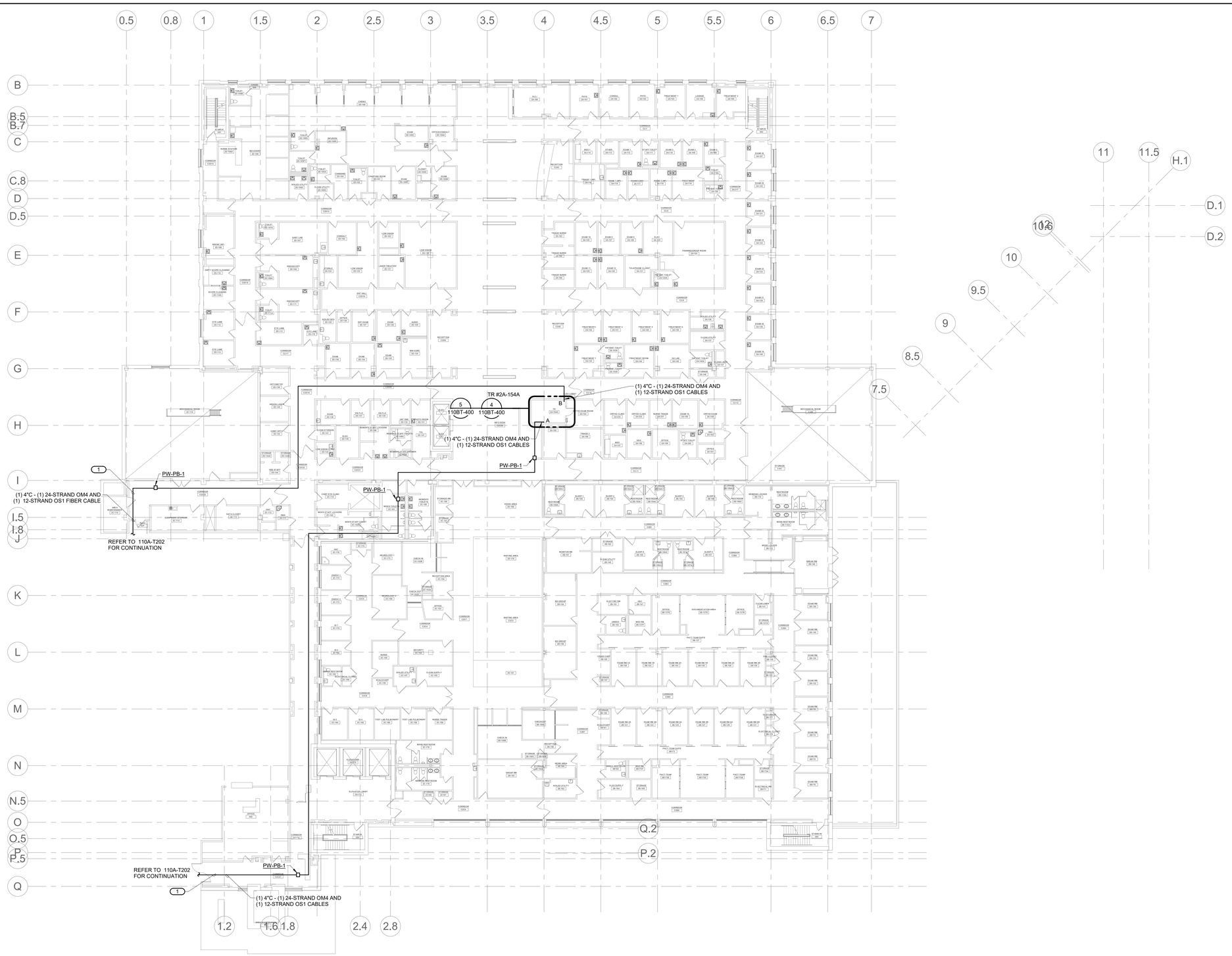

1 LEVEL 02 PLAN - TECHNOLOGY

1/16" = 1'-0"

SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.
5. ROUTES SHOWN THRU CRAWL SPACE ARE "SUGGESTED" ROUTES. FIELD VERIFY EXACT ROUTES IN CRAWL SPACE.

KEY NOTES: (#)

1. ROUTE CONDUITS ABOVE CORRIDOR CEILINGS TO TR # 2A-154A.
2. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY. PROVIDE PULLBOX AND PENETRATION THRU CEILING TO ROUTE CONDUIT UP INTO TR #S3C-1.TWO (2) 4" FIRE RATED PATHWAYS.

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Drawing Title	Phase	Project Title	Project Number
BLDG.11OB LEVEL 02 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110B
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110BT-203
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	673 of 713

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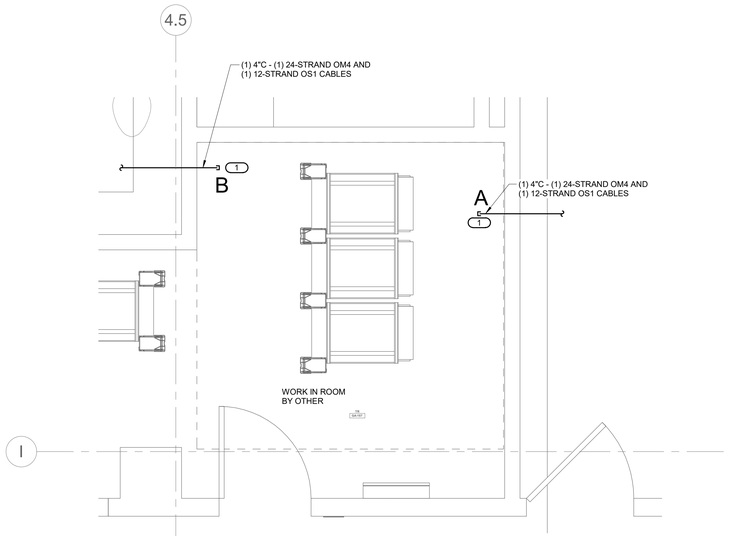
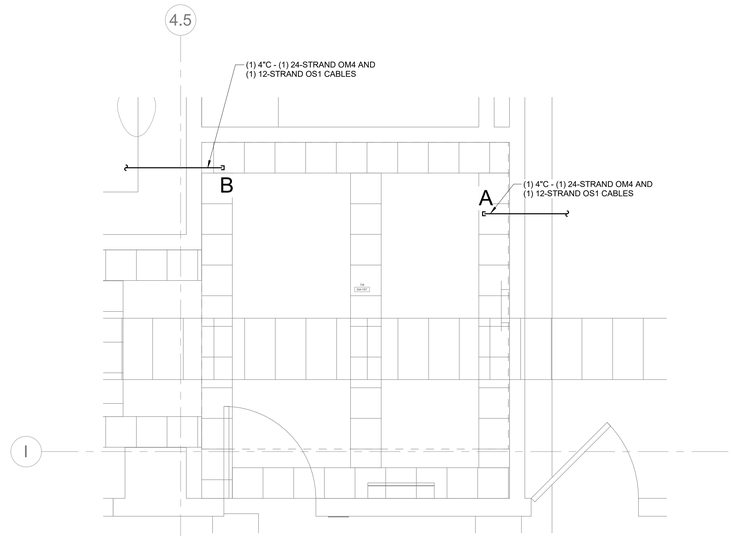


1 TELECOM ROOM ENLARGEMENT TR #GA-157

1/2" = 1'-0"

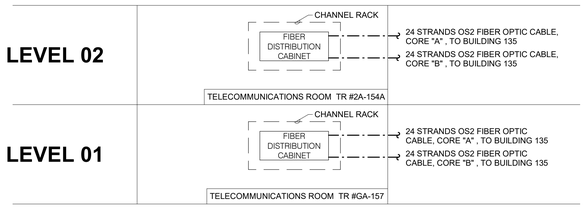
NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: #
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #GA-157

1/2" = 1'-0"

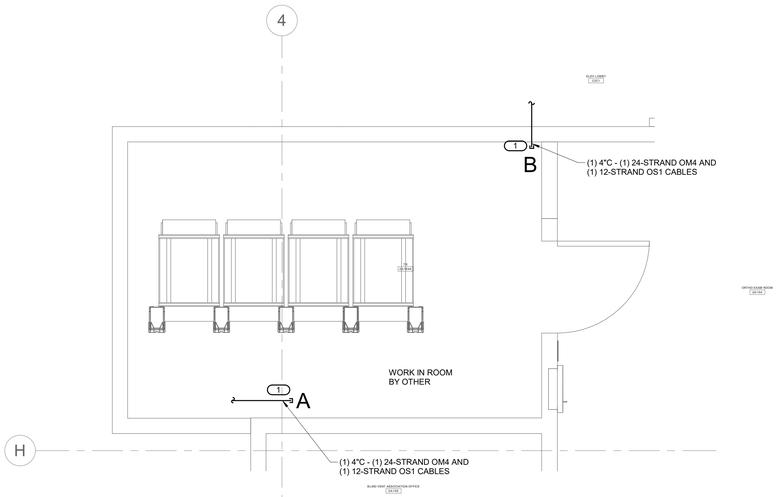


3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

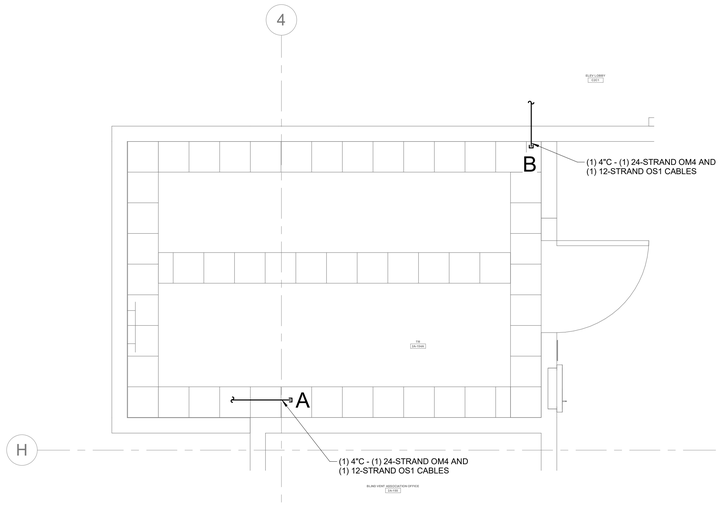


4 TELECOM ROOM ENLARGEMENT TR #2A-154A

1/2" = 1'-0"

NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: #
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



5 TELECOM ROOM PATHWAY TR #2A-154A

1/2" = 1'-0"

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Drawing Title	Phase	Project Title	Project Number
BLDG.110B TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110B
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110BT-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	674 of 713

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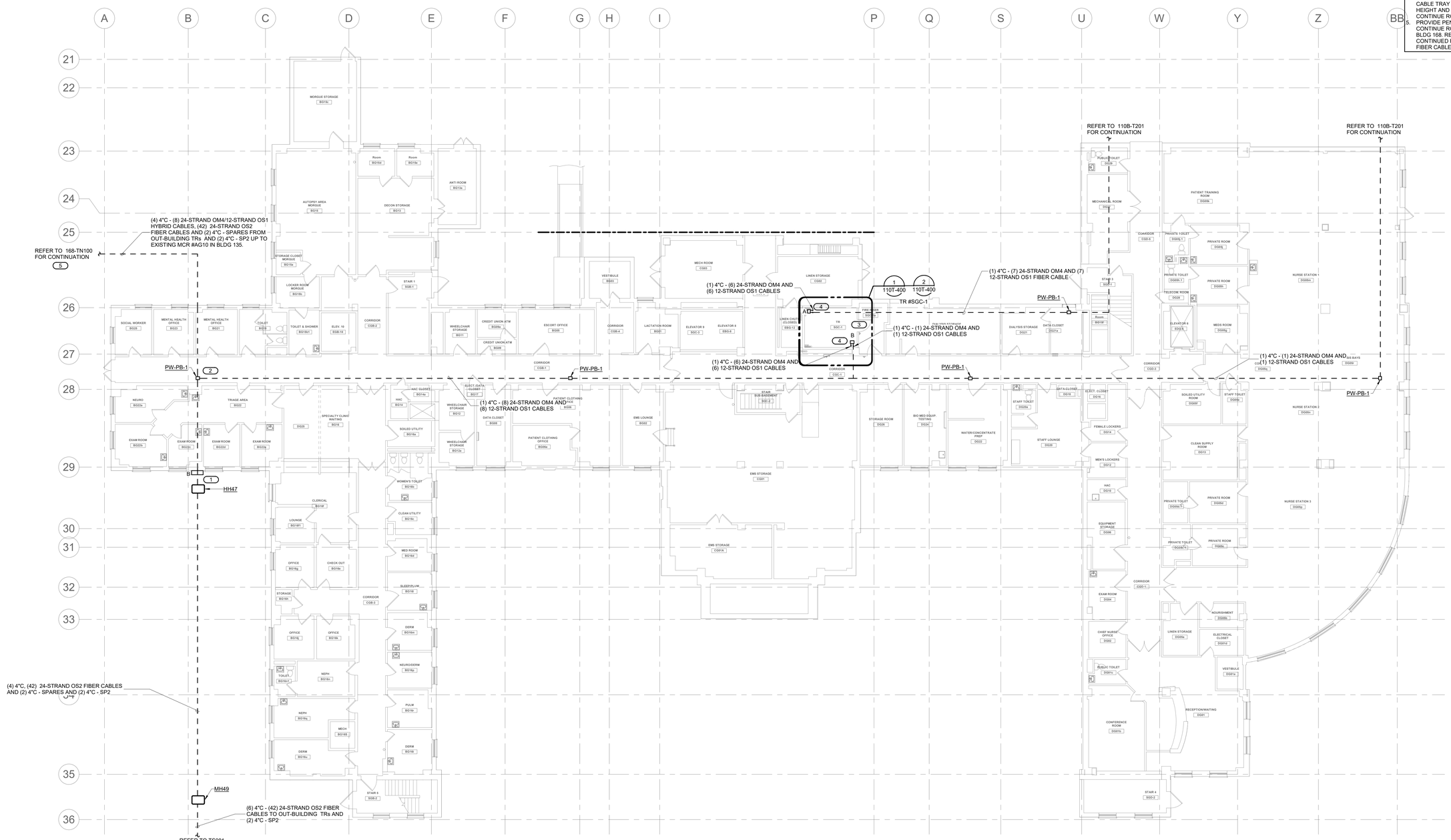
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.
5. ROUTES SHOWN THRU CRAWL SPACE ARE "SUGGESTED" ROUTES. FIELD VERIFY EXACT ROUTES IN CRAWL SPACE.

KEY NOTES: (#)

1. PROVIDE PENETRATION THRU EXTERIOR WALL AND ROUTE CONDUITS INTO BLDG. 110 CRAWL SPACE.
2. PROVIDE PULLBOX TO SEPARATE CONDUITS GOING TO BLDG 110 TRs AND CONDUITS GOING TO EXISTING MCR #AG10 IN BLDG 135.
3. CONTINUE ROUTE OF CONDUITS/CABLES IN CRAWLS SPACE OF BLDG 110 TO LOCATIONS BELOW BASEMENT LEVEL TRs #SGC-1. PROVIDE PENETRATIONS THRU CEILING DECK AND ROUTE CONDUITS UP INTO TR'S.
4. CONTINUE ROUTE OF CONDUITS UP TO HEIGHT ABOVE CABLE TRAY IN TR #SGC-1. PROVIDE PULLBOX AT CEILING HEIGHT AND PENETRATIONS THRU CEILING DECK TO CONTINUE ROUTE TO STACK TR AT FLOORS ABOVE.
5. PROVIDE PENETRATIONS THRU WALL OF BLDG 168 AND CONTINUE ROUTE OF CONDUITS INTO CRAWL SPACE OF BLDG 168. REFER TO BLDG #168 TECHNOLOGY PLANS FOR CONTINUED ROUTE OF CONDUITS AND CORE B OPTICAL FIBER CABLES UP TO EXISTING MCR IN BLDG 135.



NORTH

1 BASEMENT PLAN - TECHNOLOGY

1" = 10'-0"

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
BLDG.110 BASEMENT PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number 110
Approved:	FULLY SPRINKLERED	Location HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number 110T-200
		Issue Date 05/09/2025 · Checked EW · Drawn IMEG	675 of 713

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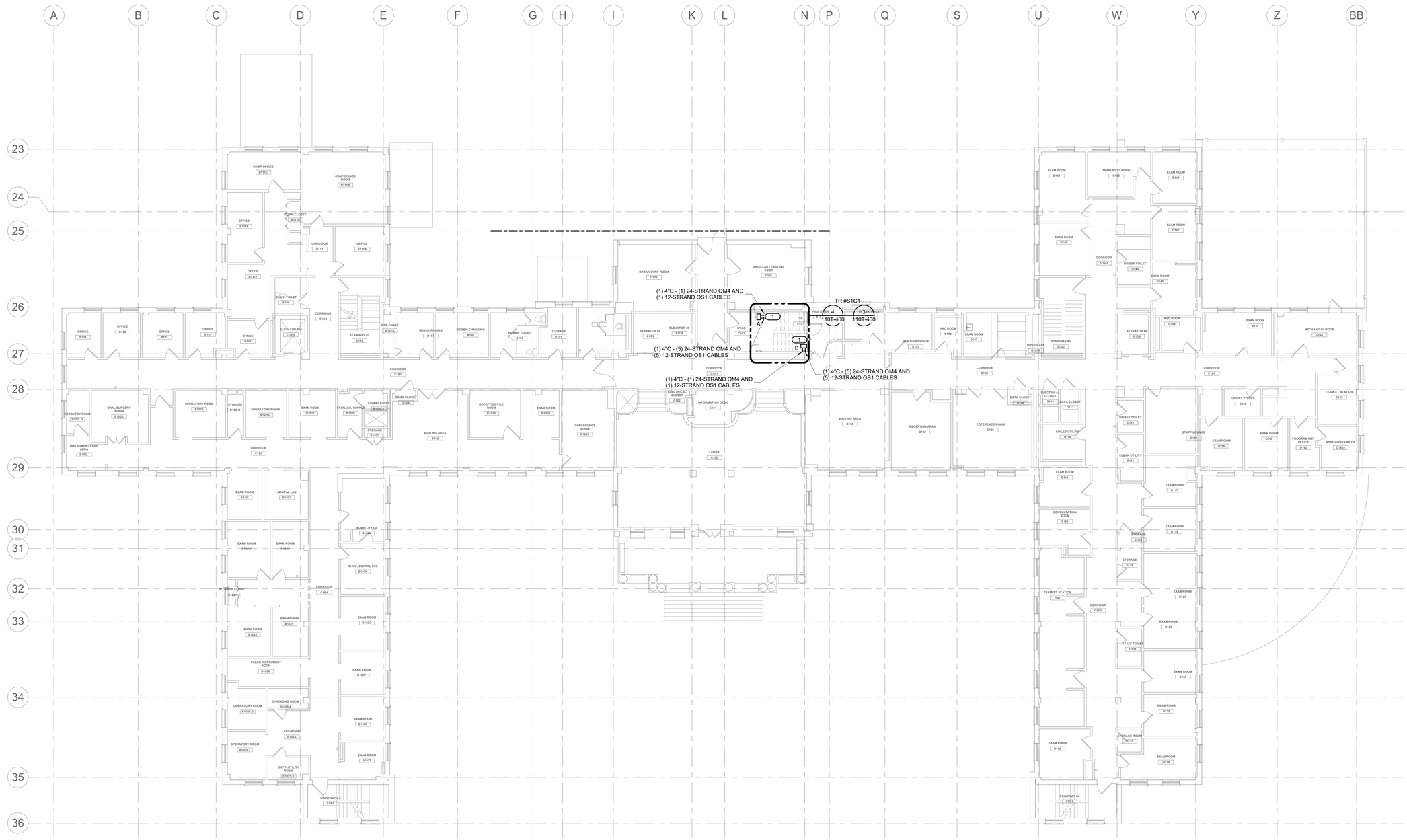
SHEET NOTES:

1. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.

KEY NOTES: (#)

1. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY. PROVIDE PULLBOX AND PENETRATION THRU CEILING TO ROUTE CONDUIT UP INTO TR #S2C-1.



1 LEVEL 01 PLAN - TECHNOLOGY

1" = 10'-0"

NORTH

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Drawing Title	Phase	Project Title	Project Number
BLDG.110 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	676 of 713

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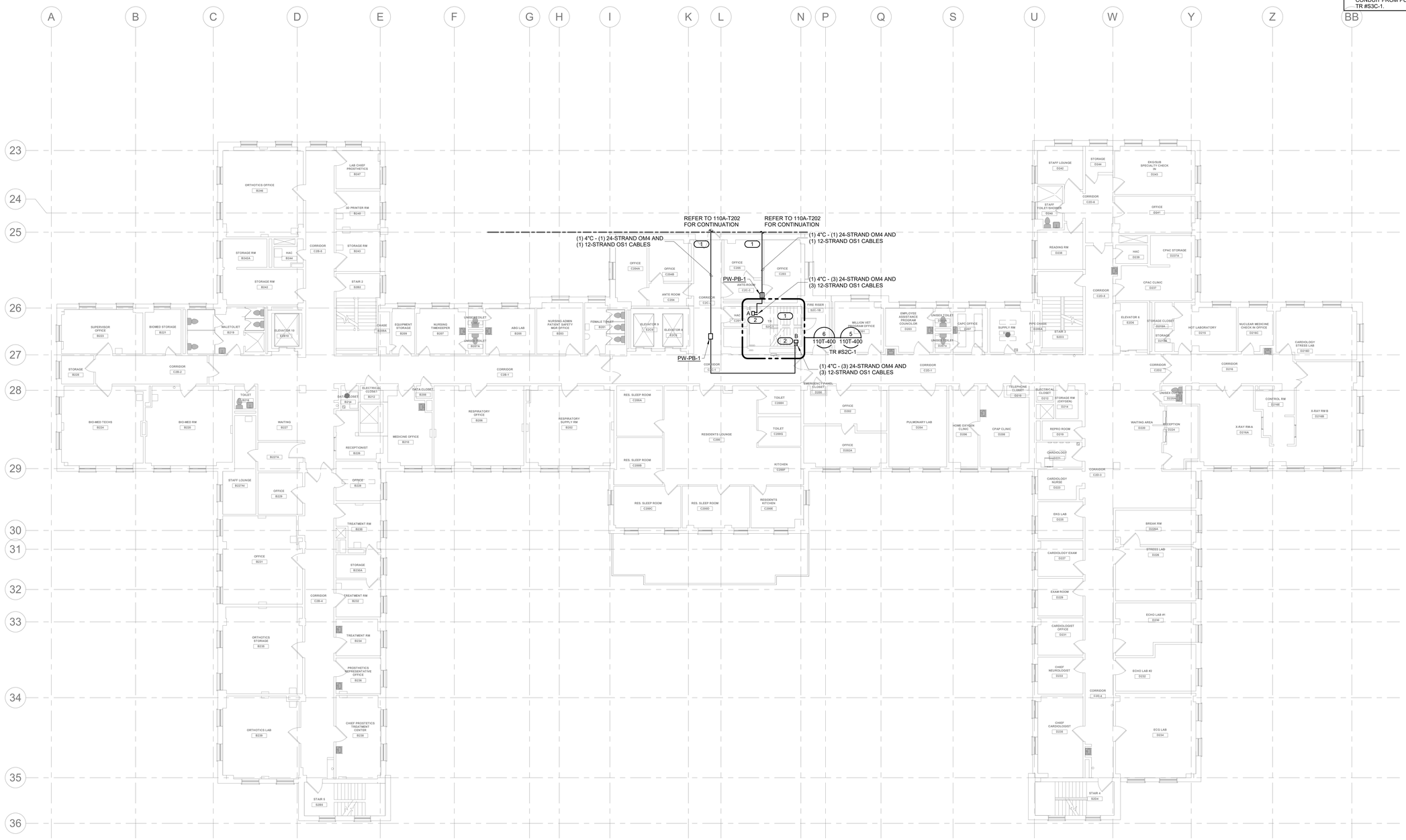
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND 00-T501 FOR CAMPUS OPTICAL FIBER RISER DIAGRAMS.
3. REFER TO ZT400 FOR HANDHOLE DETAIL.
4. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.
5. ROUTES SHOWN THRU CRAWL SPACE ARE "SUGGESTED" ROUTES. FIELD VERIFY EXACT ROUTES IN CRAWL SPACE.

KEY NOTES: (#)

1. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY. PROVIDE PULLBOX. AND EXTEND CONDUIT THRU CORRIDOR TO TR #2A-154A.
2. PROVIDE PENETRATION THRU CEILING AND ADDITIONAL CONDUIT FROM PULLBOX AND ROUTE CONDUIT UP INTO TR #S3C-1.



1 LEVEL 02 PLAN - TECHNOLOGY

1" = 10'-0"

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Drawing Title	Phase	Project Title	Project Number
BLDG.110 LEVEL 02 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110T-202
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	677 of 713

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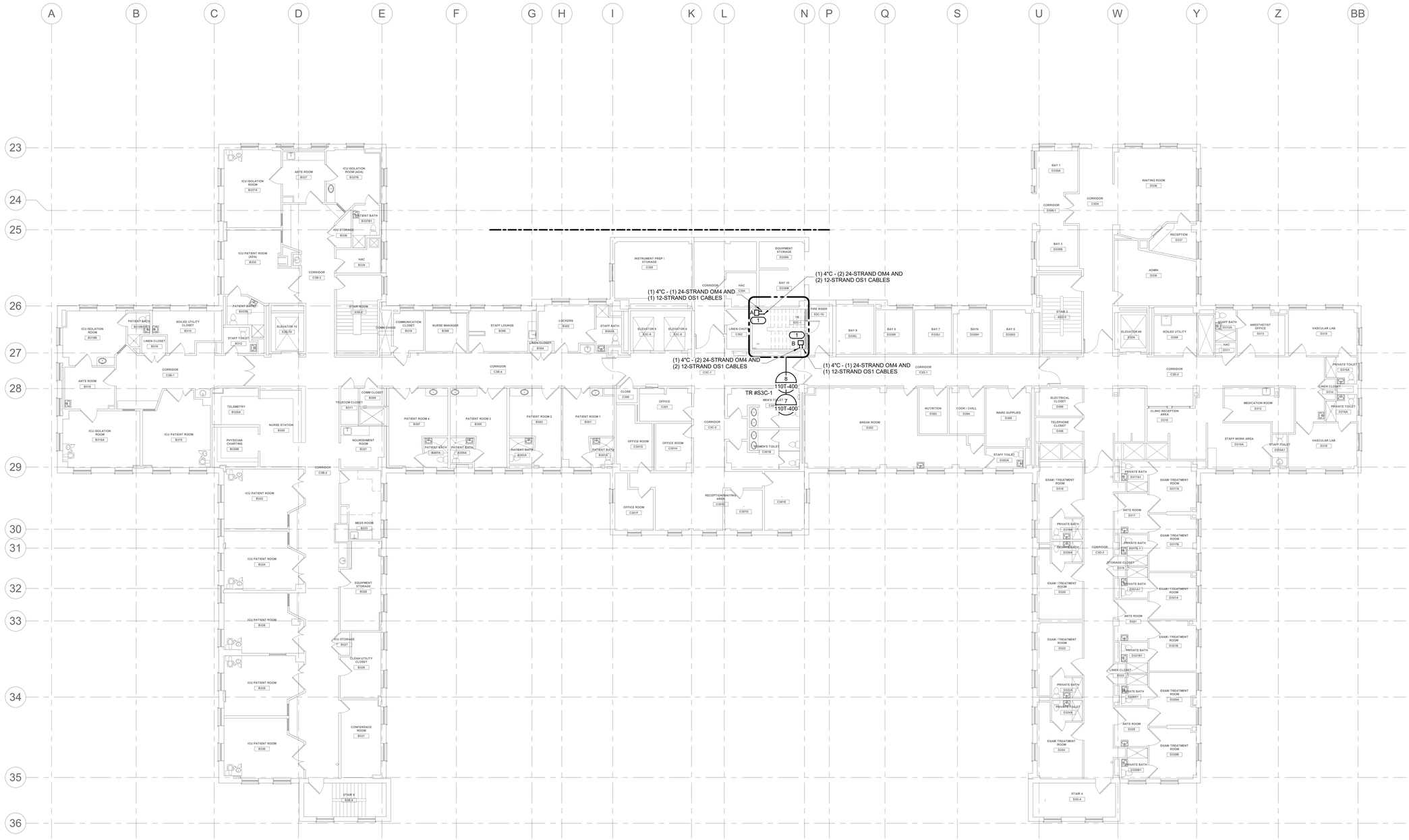
SHEET NOTES:

1. REFER TO SHEET T500 FOR CAMPUS FIBER OPTIC RISER DIAGRAM.

KEY NOTES: #

1. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY. PROVIDE PULLBOX AND PENETRATION THRU CEILING TO ROUTE CONDUIT UP INTO TR #S4D-1.



1 LEVEL 03 PLAN - TECHNOLOGY

1" = 10'-0"

NORTH

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Drawing Title	Phase	Project Title	Project Number
BLDG.1110 LEVEL 03 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number 110
Approved:	FULLY SPRINKLERED	Location HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number 110T-203
		Issue Date 05/09/2025 · Checked EW · Drawn IMEG	678 of 713

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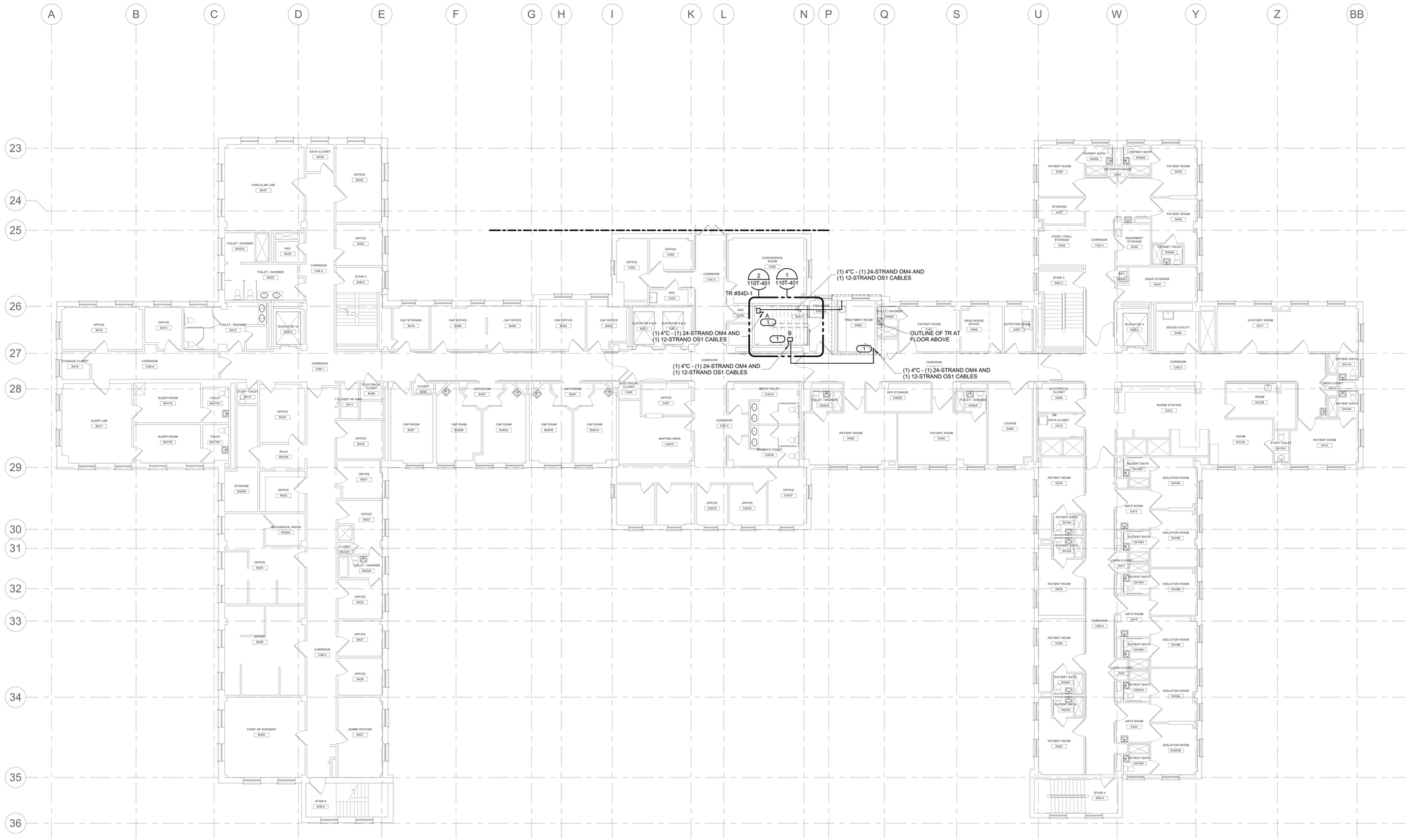
SHEET NOTES:

1. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.

KEY NOTES: #

1. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY. PROVIDE PULLBOX AND PENETRATION THRU CEILING TO ROUTE CONDUIT UP INTO TR #D502A.



1 LEVEL 04 PLAN - TECHNOLOGY

1" = 10'-0"

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Drawing Title	Phase	Project Title	Project Number
BLDG.110 LEVEL 04 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110T-204
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	679 of 713

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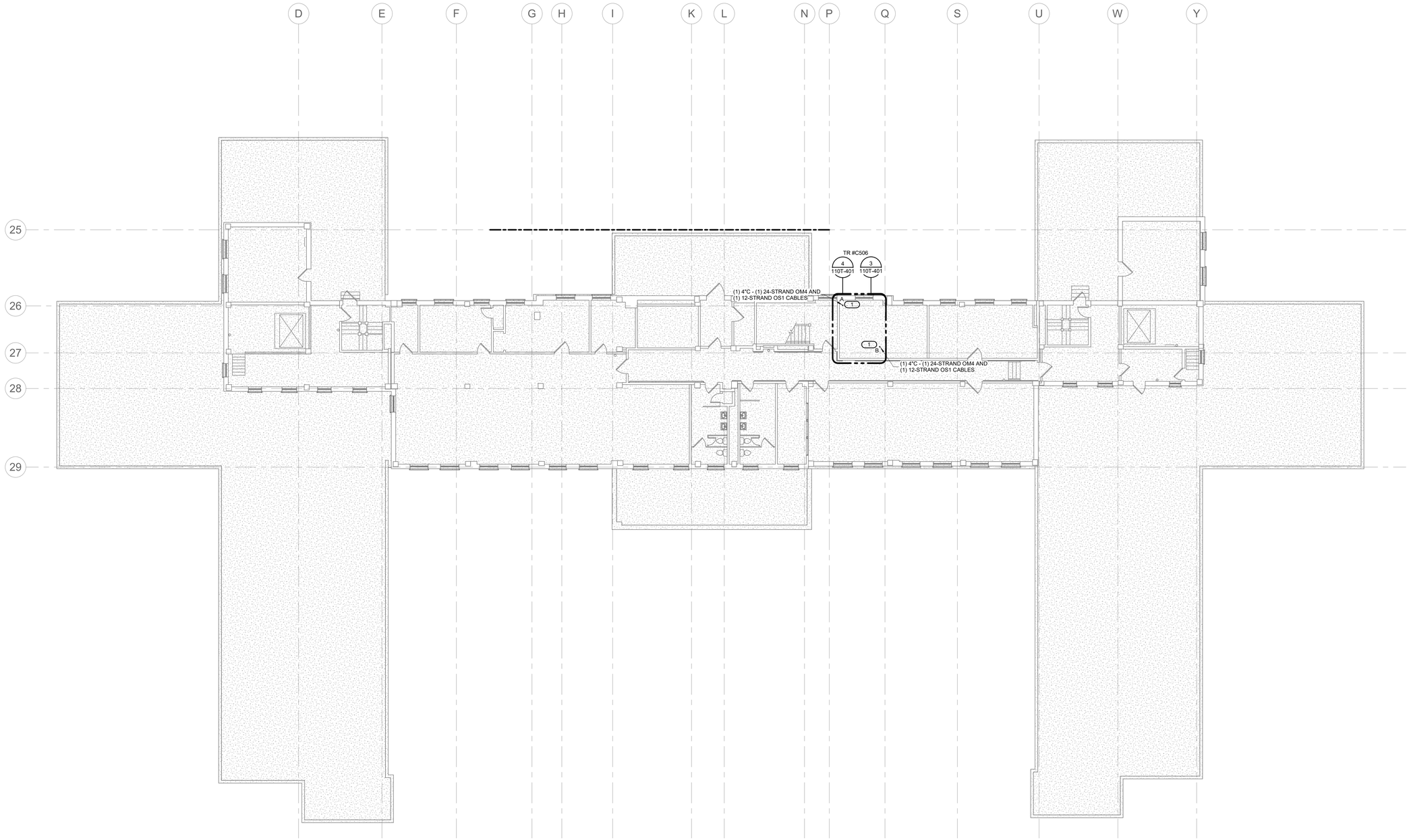
SHEET NOTES:

1. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.

KEY NOTES: #

1. ROUTE CONDUIT UP TO HEIGHT ABOVE CABLE TRAY.
2. TR #D502A SHALL SERVE NETWORK DEVICES ON SIXTH FLOOR OF BLDG 110.



NORTH

1 LEVEL 05 PLAN - TECHNOLOGY

1" = 10'-0"

Revisions:	Date:

CONSULTANT

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PROJECT #22010109.00

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Expires 12-31-2025
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Drawing Title: BLDG.110 LEVEL 05 PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 110
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110T-205
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	680 of 713

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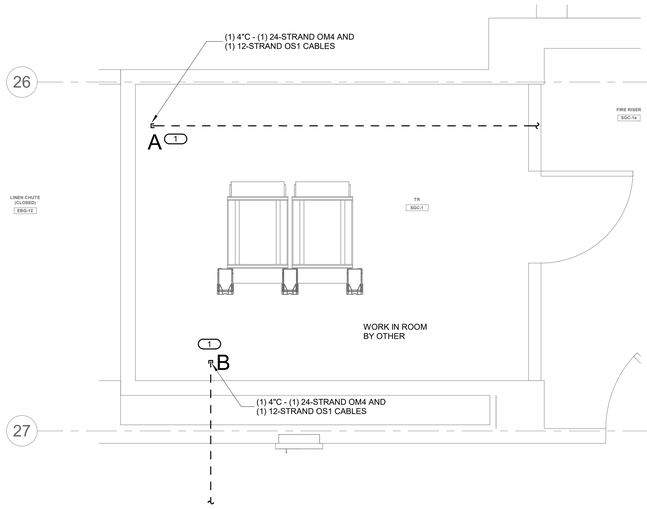
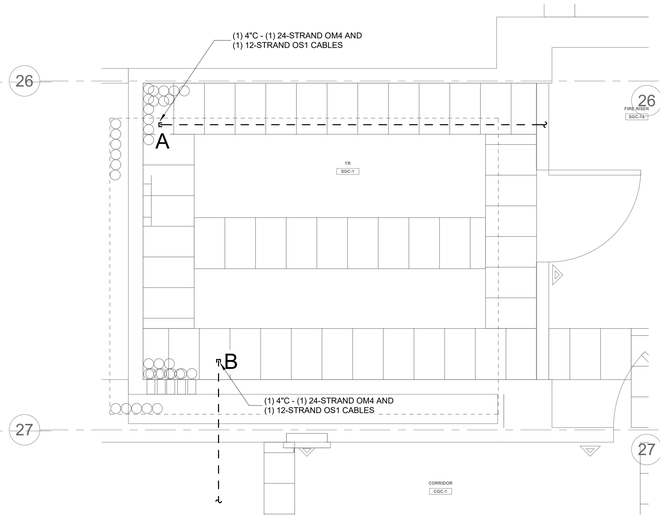


1 TELECOM ROOM ENLARGEMENT TR #SGC-1

1/2" = 1'-0"

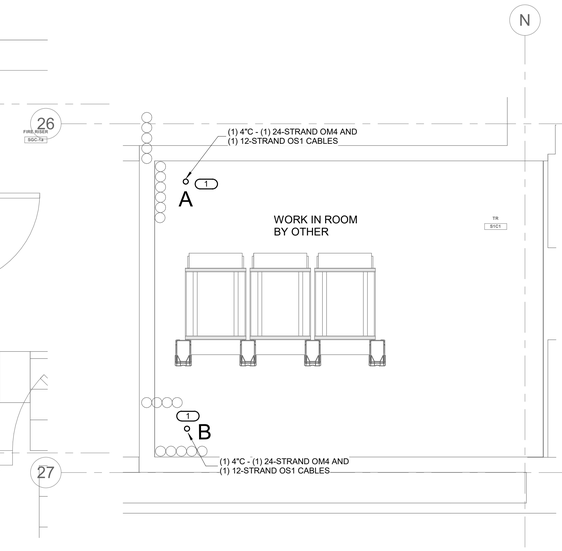
NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: (#)
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #SGC-1

1/2" = 1'-0"

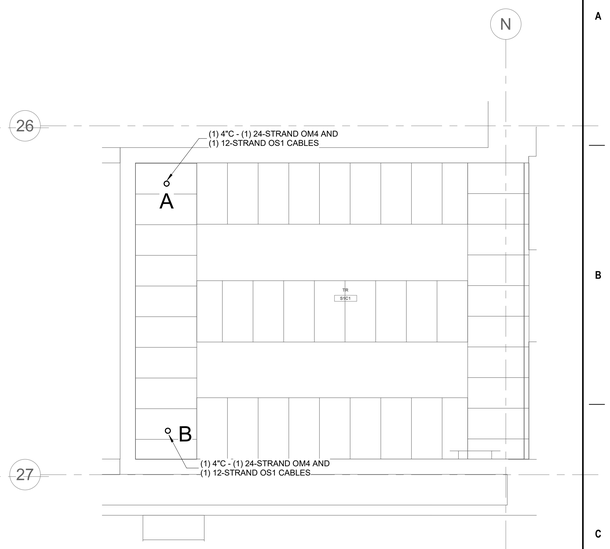


3 TELECOM ROOM ENLARGEMENT TR #S1C1

1/2" = 1'-0"

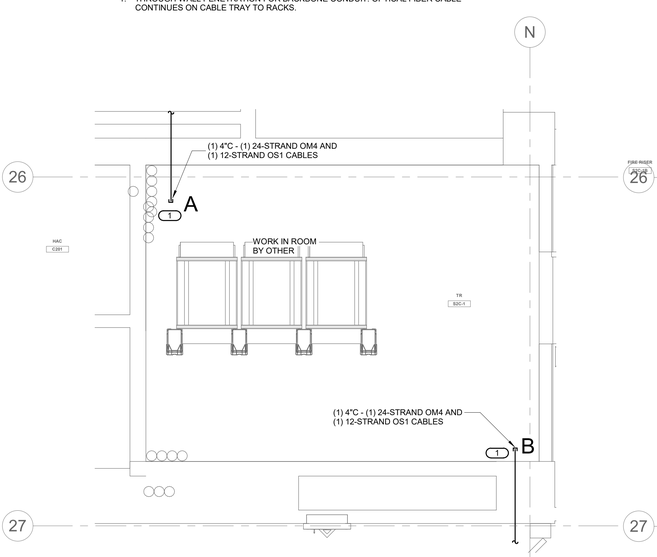
NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: (#)
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



4 TELECOM ROOM PATHWAY TR #S1C1

1/2" = 1'-0"

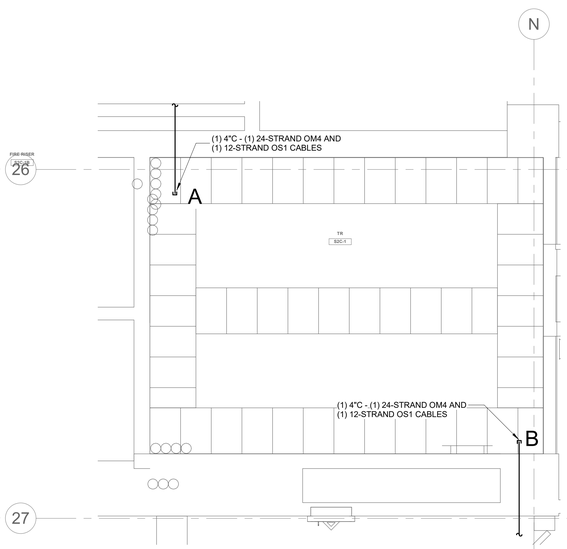


5 TELECOM ROOM ENLARGEMENT TR- #S2C-1

1/2" = 1'-0"

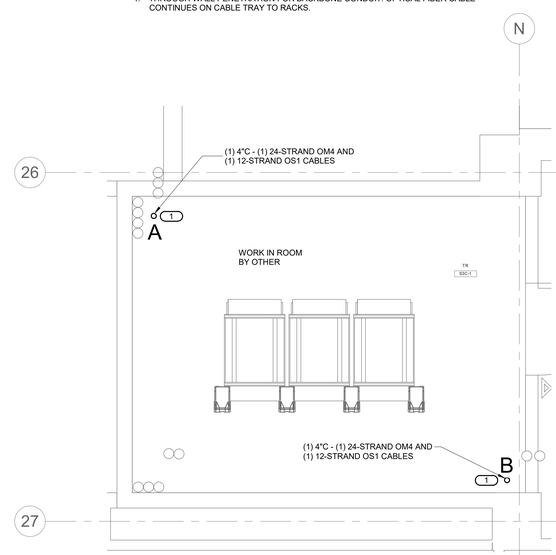
NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: (#)
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



6 TELECOM ROOM PATHWAY TR #S2C-1

1/2" = 1'-0"

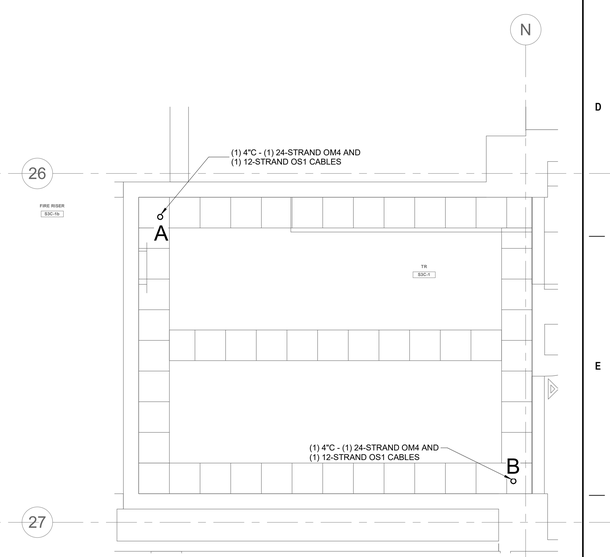


7 TELECOM ROOM ENLARGEMENT TR #S3C-1

1/2" = 1'-0"

NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: (#)
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



8 TELECOM ROOM PATHWAY TR #S3C-1

1/2" = 1'-0"

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Drawing Title	Phase	Project Title	Project Number
BLDG.110 TECHNOLOGY ENLARGEMENTS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	681 of 713

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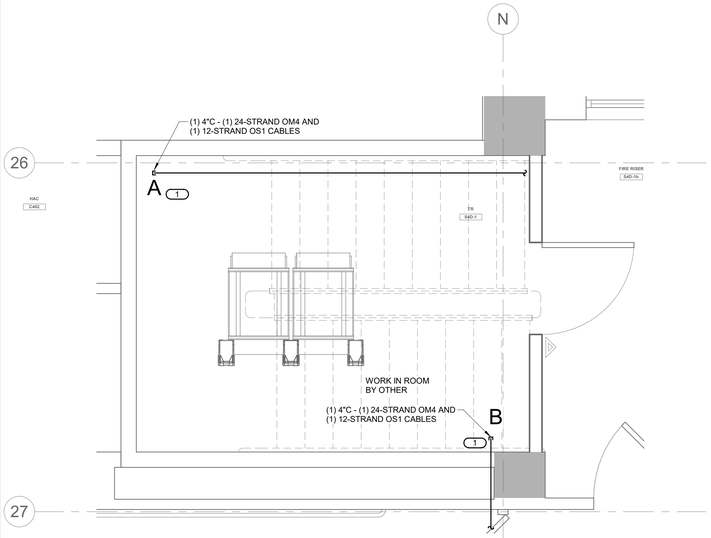


1 TELECOM ENLARGEMENT TR #S4D-1

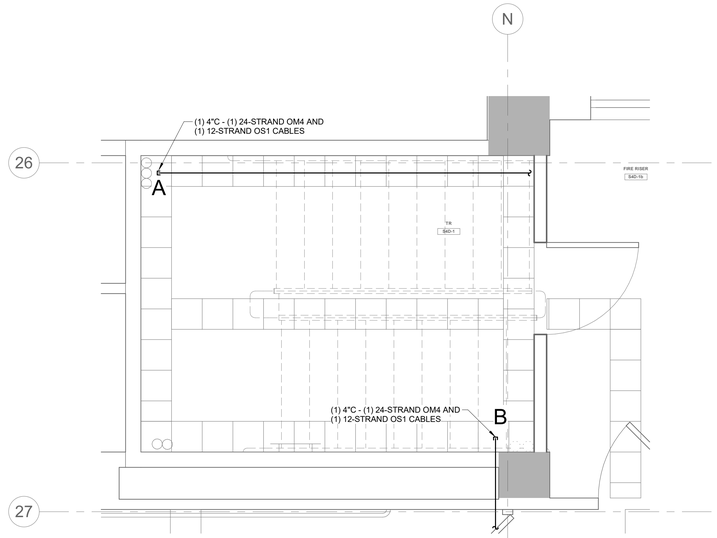
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

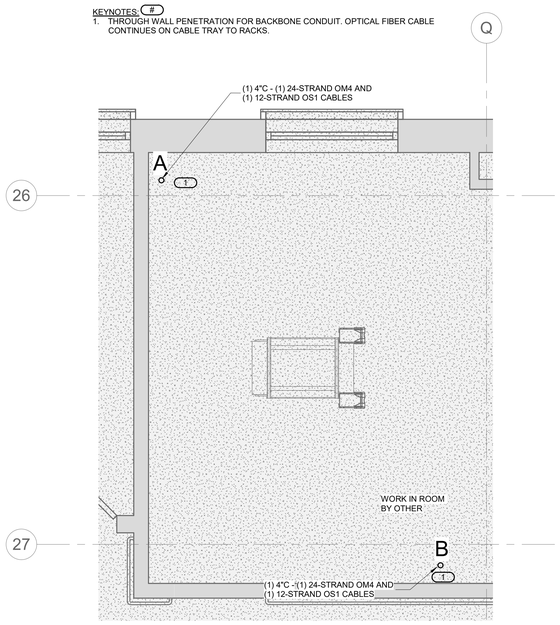
KEYNOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #S4D-1

1/2" = 1'-0"



3 TELECOM ROOM ENLARGEMENT TR #C506

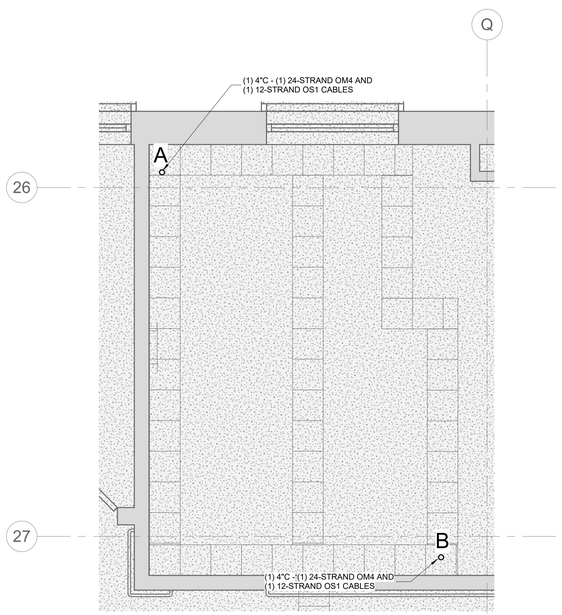
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



4 TELECOM ROOM PATHWAY TR #C506

1/2" = 1'-0"

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
BLDG.110 TECHNOLOGY ENLARGEMENTS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110T-401
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	682 of 713

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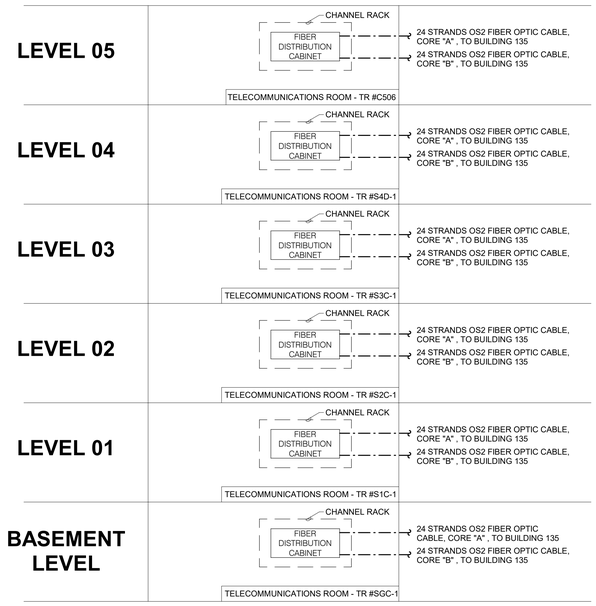

1 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS.

Revisions:	Date:

CONSULTANT

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PROJECT #22010109.00

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Drawing Title	Phase	Project Title	Project Number
BLDG. 110 TECHNOLOGY DIAGRAMS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 110
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 110T-601
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	683 of 713

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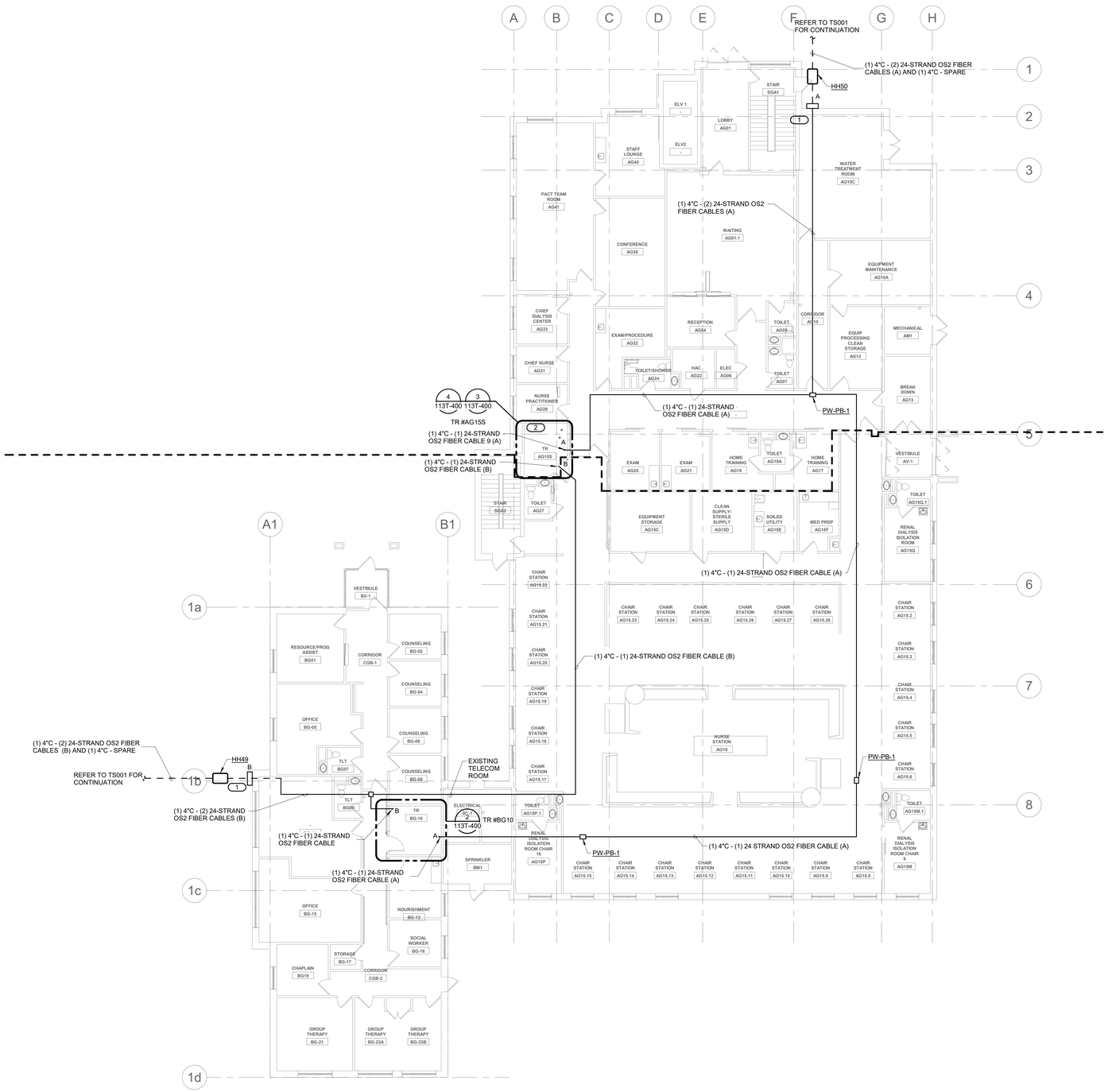
SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINSIHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL ABOVE CORRIDOR CEILINGS INTO TR #AG29 AND TR #BG10.



1 LEVEL 01 PLAN - TECHNOLOGY

1" = 10'-0"

Revisions:	Date:

CONSULTANT

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Drawing Title: BLDG.113 LEVEL 01 PLAN - TECHNOLOGY	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 113
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 113T-101
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	684 of 713

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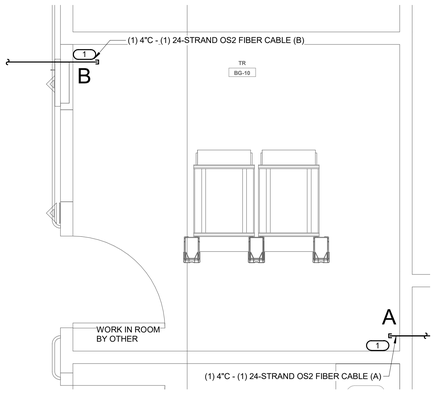


1 TELECOM ROOM ENLARGEMENT TR #BG10

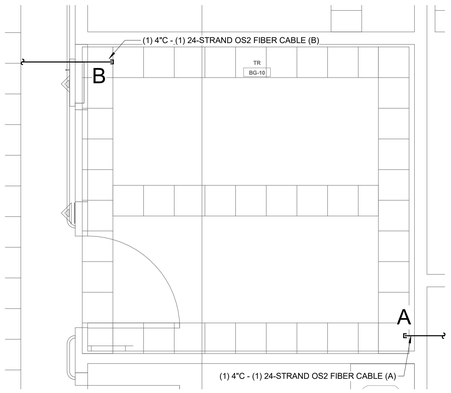
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

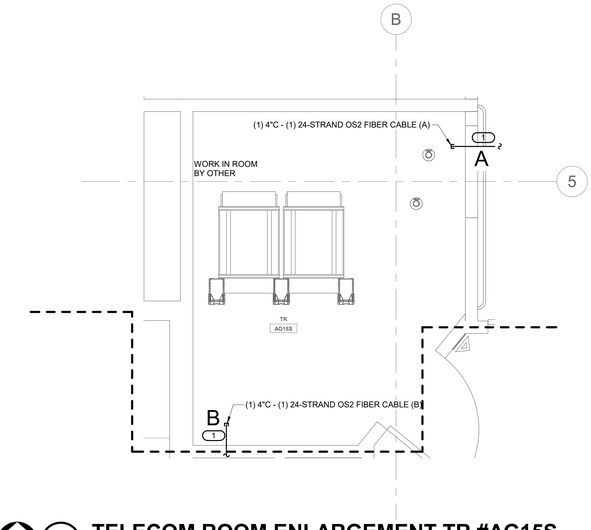
KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOMROOM PATHWAY TR #BG10

1/2" = 1'-0"



3 TELECOM ROOM ENLARGEMENT TR #AG15S

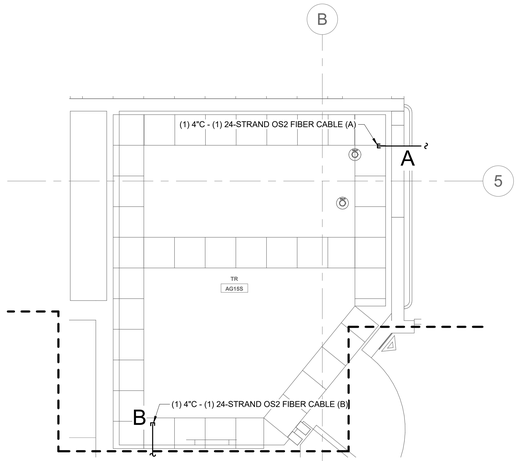
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

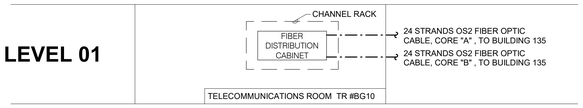
KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



4 TELECOM ROOM PATHWAY TR #AG15S

1/2" = 1'-0"

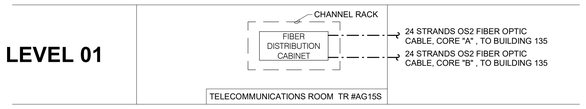


5 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS



6 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Drawing Title: BLDG.113 TECHNOLOGY ENLARGED PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON	Project Number: 509-22-700
			Building Number: 113
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 113T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	685 of 713

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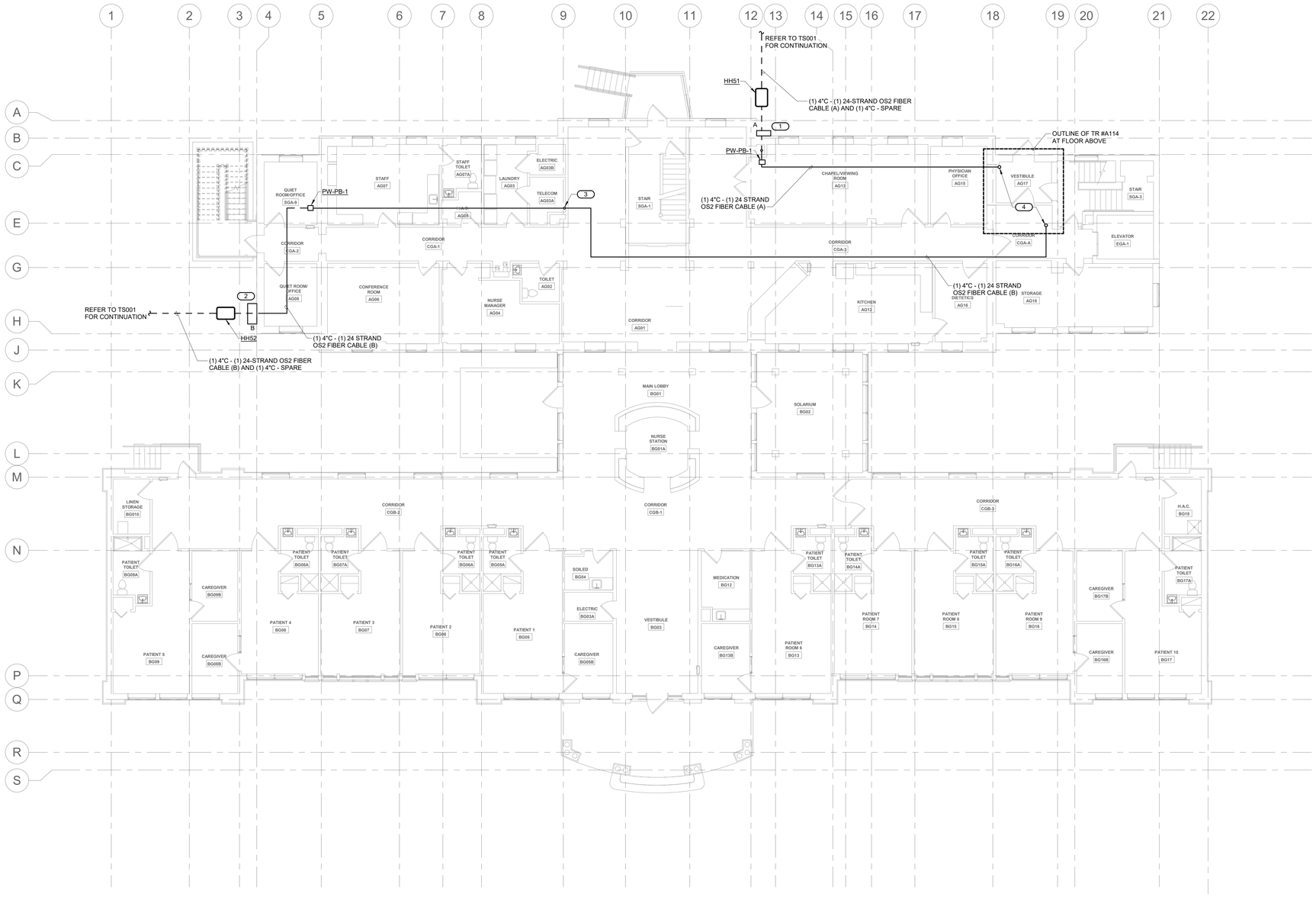
SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING.SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF CRAWL SPACE CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION AND ROUTE CONDUIT THRU PULLBOX INTO CRAWL SPACE. ROUTE CONDUIT IN CRAWL SPACE INTO CHASE AND UP TO ABOVE FIRST FLOOR CEILING. CONTINUE ROUTE ABOVE CEILING TO LOCATION BELOW EXISTING TR #A114.
2. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF CRAWL SPACE CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION AND ROUTE CONDUIT THRU PULLBOX INTO CRAWL SPACE. ROUTE CONDUIT IN CRAWL SPACE. TO BELOW EXISTING TELECOM ROOM.
3. PROVIDE PENETRATION THRU FLOOR OF EXISTING TELECOM ROOM #AG03A AND ROUTE CONDUIT UP TO ABOVE CEILING. CONTINUE ROUTE ABOVE CEILING TO LOCATION BELOW EXISTING TR #A114.
4. PROVIDE PENETRATION THRU CEILING DECK AND ROUTE CONDUIT UP INTO TR #A114.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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PROJECT #22010109.00

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Drawing Title: BLDG.114 LEVEL 01 PLAN - TECHNOLOGY

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025 | Checked: EW | Drawn: IMEG

Project Number: 509-22-700

Building Number: 114

Drawing Number: 114T-101

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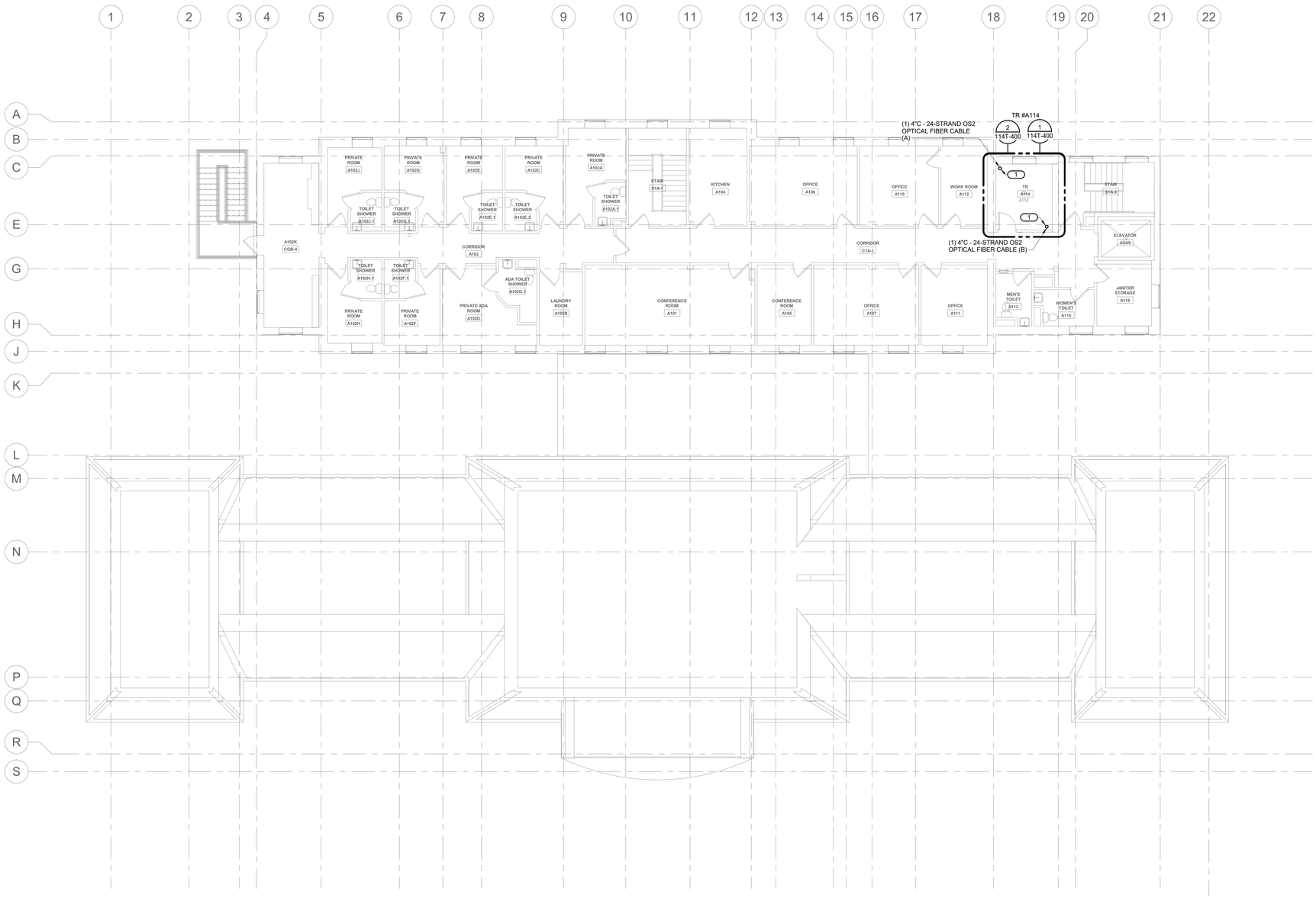
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEYNOTES: (#)

1. ROUTE CONDUIT UP THRU FLOOR OF TR #A114 AND CONTINUE TO HEIGHT ABOVE CABLE TRAY.



NORTH

1 **LEVEL 02 PLAN - TECHNOLOGY**
1/8" = 1'-0"

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Drawing Title	Phase	Project Title	Project Number
BLDG.114 LEVEL 02 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 114
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 114T-102
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	687 of 713

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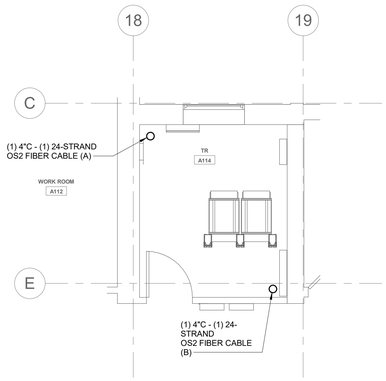


1 TELECOM ROOM ENLARGEMENT TR #A114

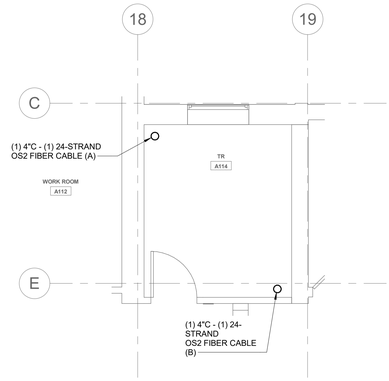
1/4" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: (#)

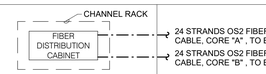
1. THROUGH FLOOR/CEILING PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CAB CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #A114

1/4" = 1'-0"

LEVEL 02



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Drawing Title	Phase	Project Title	Project Number
BLDG.114 TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 114
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 114T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	688 of 713

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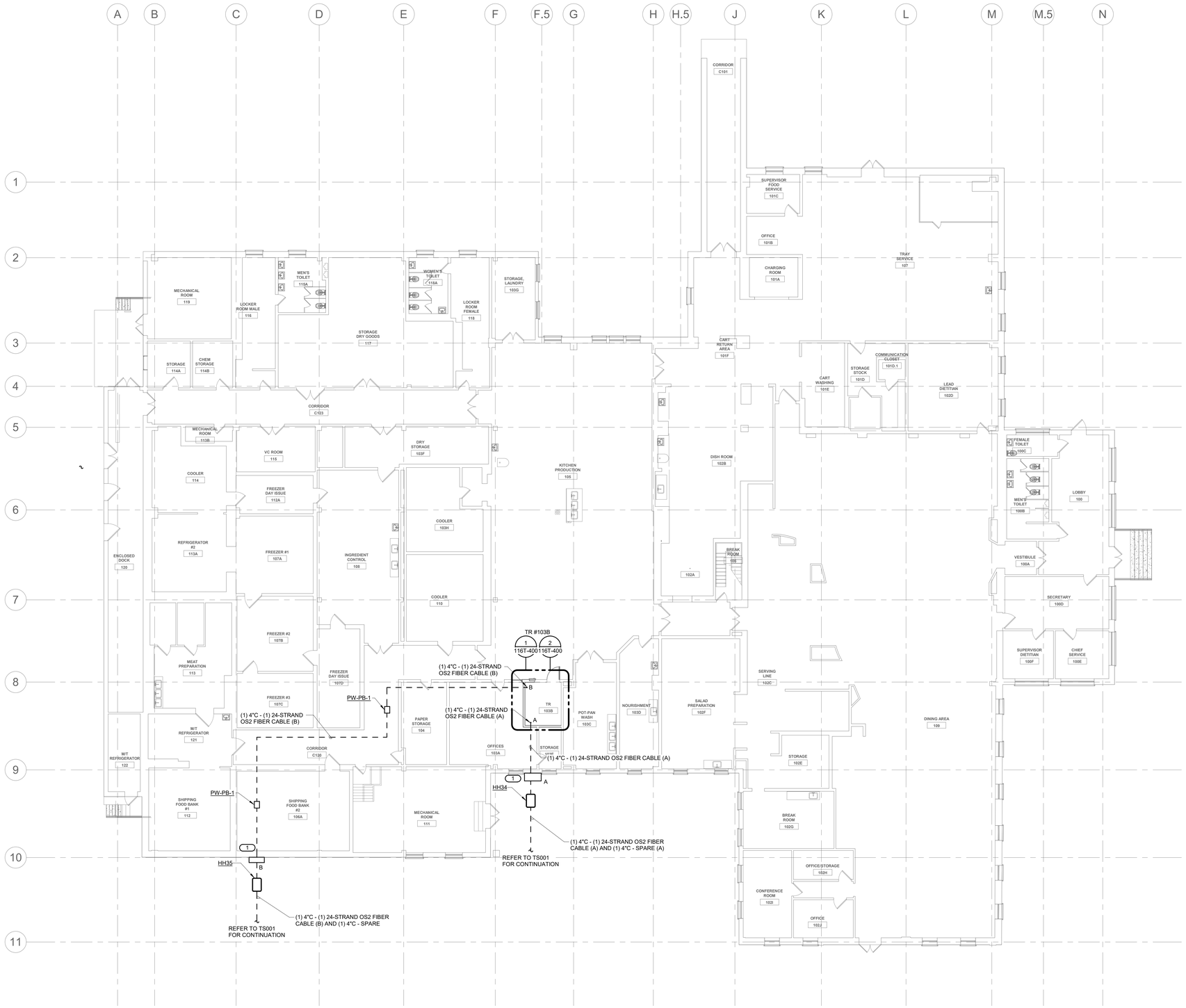
SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF CRAWL SPACE CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION AND ROUTE CONDUIT THRU PULLBOX INTO CRAWL SPACE. ROUTE CONDUIT IN CRAWL SPACE TO BELOW TR #103B. PROVIDE PENETRATION AND STUB CONDUITS UP INTO TR #103B.



1 LEVEL 01 PLAN - TECHNOLOGY

1" = 10'-0"

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Drawing Title	Phase	Project Title	Project Number
BLDG.116 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 116
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 116T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	689 of 713

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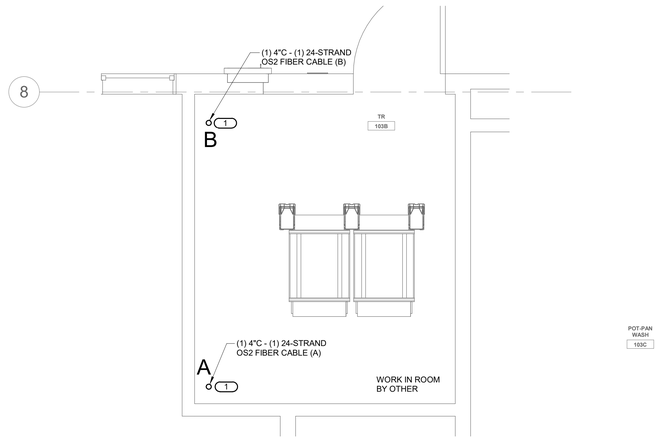


1 TELECOM ROOM ENLARGEMENT TR #103B

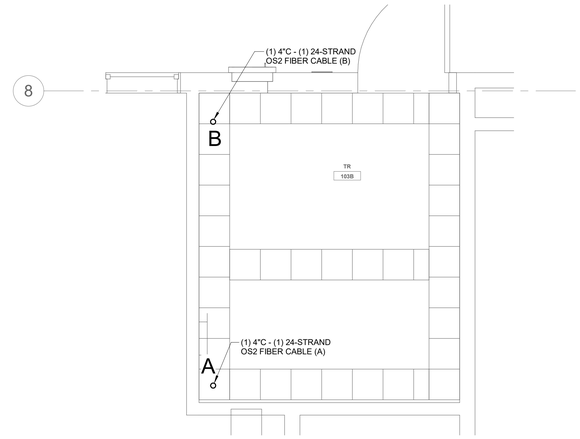
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

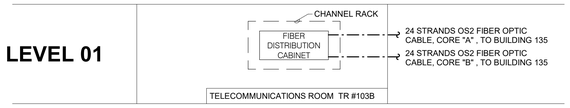
KEY NOTES: #

1. THROUGH FLOOR PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #103B

1/2" = 1'-0"



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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Drawing Title	Phase	Project Title	Project Number
BLDG.116 TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 116
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 116T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	690 of 713

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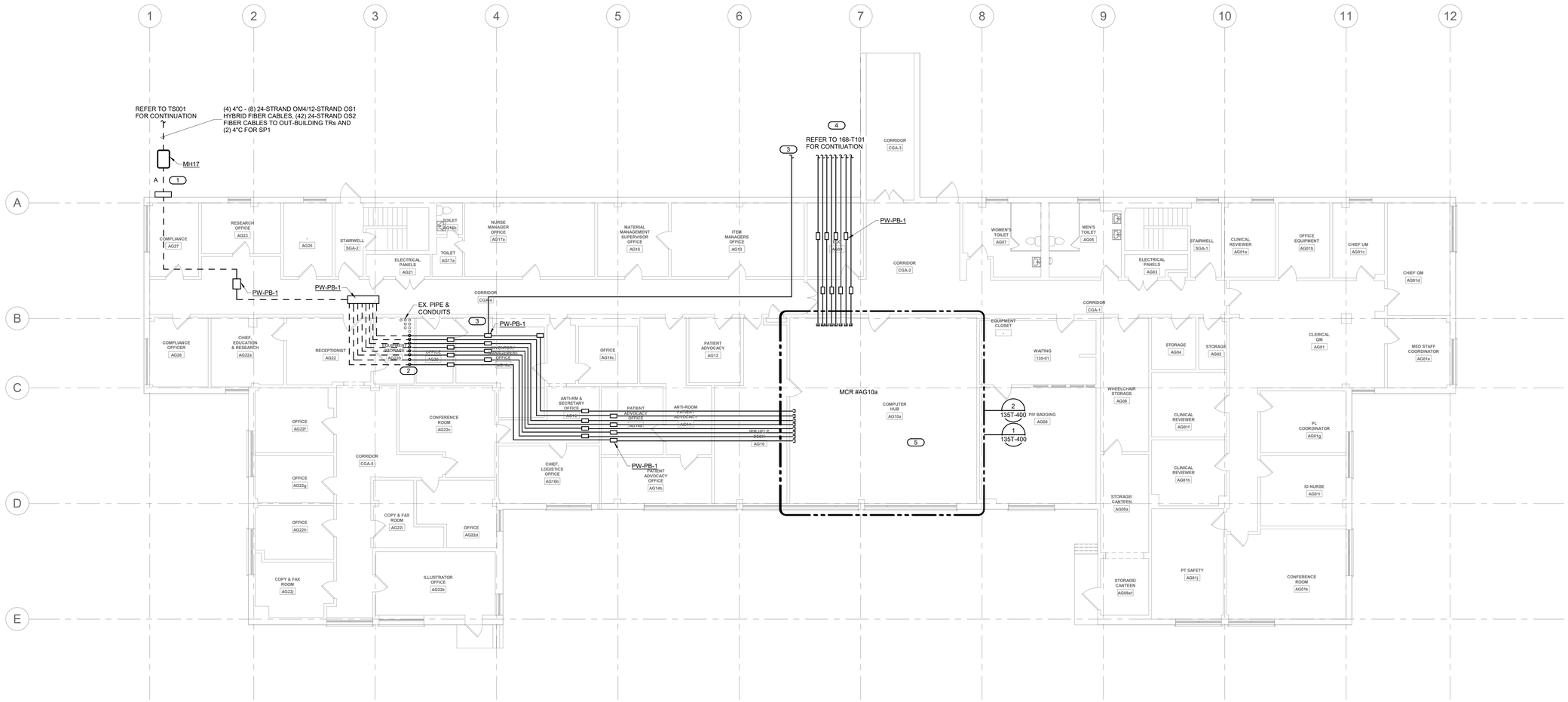
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND 00-T501 FOR CAMPUS OPTICAL FIBER RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.
5. ROUTES SHOWN THRU CRAWL SPACES ARE "SUGGESTED" ROUTES. FIELDVERIFY EXACT ROUTES.
6. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX AND PENETRATION THRU EXTERIOR WALL AND ROUTE CONDUITS INTO CRAWL SPACE AND CONTINUE TO LOCATION BELOW STORAGE RM. #AG22b.
2. PROVIDE PENETRATIONS THRU FLOOR OF STORAGE ROOM AND ROUTE CONDUITS UP INTO STORAGE ROOM ADJACENT TO EXISTING CONDUITS. STACK CONDUITS TO SAVE SPACE.
3. CONTINUE ROUTE OF CONDUITS TO ABOVE FINISHED CEILING AND THRU CORRIDORS TO BLDG. 168.
4. PROVIDE PENETRATIONS THRU WALL OF BLDG. #135 AND ROUTE CONDUITS ABOVE FIRST FLOOR CEILING OF BLDG #168. REFER TO BLDG #168 PLANS FOR ADDITIONAL WORK REQUIREMENTS.
5. PROVIDE (2) 24 STRAND OM4 OPTICAL FIBER CABLES BETWEEN EXISTING CORE SWITCHES AND NEW CORE SWITCHES IN EXISTING MAIN COMPUTER ROOM #AG10. REFER TO ENLARGED PLAN FOR ADDITIONAL WORK REQUIREMENTS.



NORTH

1 LEVEL 00 - GROUND PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
BLDG. 135 LEVEL 00 - GROUND PLAN -TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number 135
Approved:	FULLY SPRINKLERED	Location HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number 135T-200
		Issue Date 05/09/2025 · Checked EW · Drawn IMEG	691 of 713

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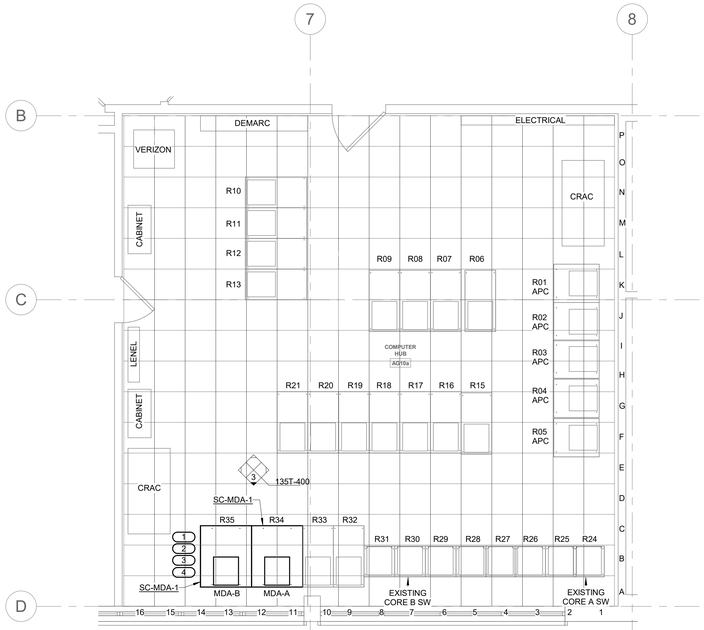
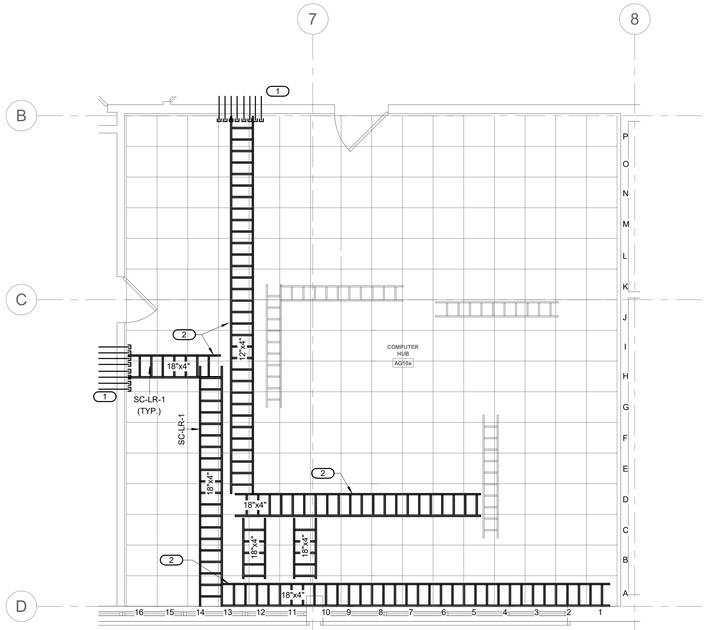


1 EXISTING MCR #AG10 ENLARGEMENT

1/4" = 1'-0"

KEYNOTES: #

1. PROVIDE NEW NETWORK CABINETS IN EXISTING MAIN COMPUTER ROOM #AG10. PROVIDE FIBER DISTRIBUTION HOUSINGS AND FIBER CASSETTES IN NETWORK CABINET TO TERMINATE NEW FIBER BACKBONE CABLES FROM EACH TR. FIELD TERMINATE TR FIBER CABLES AT BOTH ENDS WITH LC CONNECTORS.
2. PROVIDE FIBER PATCH CABLES FOR ALL TR FIBER BACKBONE CABLES FROM FIBER DISTRIBUTION HOUSINGS TO DESIGNATED CORE SWITCH. FIBER PATCH CABLES AND STRUCTURED CABLING WITHIN THE EXISTING MCR SHALL BE FURNISHED WITH FACTORY PRE-TERMINATED CONNECTORS.
3. THE PATCHING EQUIPMENT IN THE NEW NETWORK CABINET SHALL BE FRONT MOUNTED.
4. NEW BACKBONE CABLING FOR EACH NEWIRE-USED TR SHALL BE PATCHED OVER TO EXISTING CORE SWITCHES, ONE TR AT A TIME, AND SHALL BE PHASED FOR CORE A AND CORE B. NEW CORE A FIBER SHALL BE TERMINATED, TESTED AND ACTIVATED WHILE EXISTING CORE B FIBER FOR SAME TR REMAINS ACTIVE. AFTER. NEW CORE A FIBER IS PATCHED OVER TO CORE A SWITCH, NEW CORE B FIBER SHALL BE TERMINATED, TESTED AND PATCHED OVER TO EXISTING CORE B SWITCH. TYPICAL SEQUENCE FOR EACH TR.

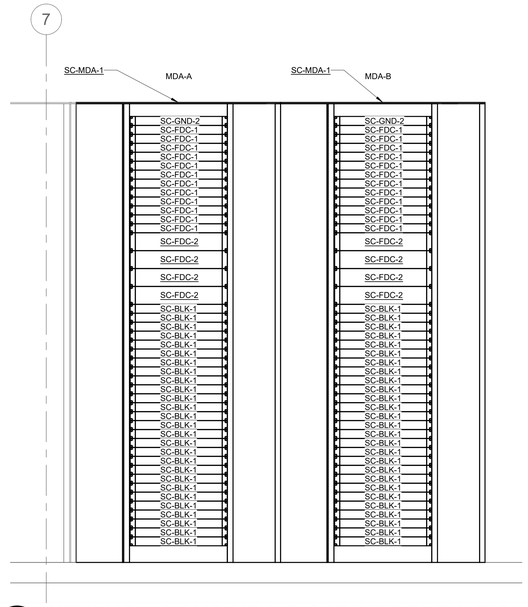


2 EXISTING MCR #AG10 PATHWAYS

1/4" = 1'-0"

KEYNOTES: #

1. PROVIDE PENETRATION THRU WALLS OF EXISTING MCR #AG10a AND STUB FIBER BACKBONE AND SERVICE PROVIDER CONDUITS INTO ROOM AT HEIGHT ABOVE EXISTING LADDER RUNWAYS.
2. PROVIDE NEW 18"W LADDER RUNWAYS AT LOCATIONS INDICATED WITH WATERFALL CABLE DROP SUPPORTS ABOVE NEW SERVER CABINETS. INSTALL NEW LADDER RUNWAYS AT SAME HEIGHT OF EXISTING LADDER RUNWAYS. ADJUST LOCATION, AS NECESSARY, TO AVOID INTERFERENCE WITH LIGHTING FIXTURES, EQUIPMENT AND PIPING. CONTINUE ROUTE OF NEW FIBER CABLES ON LADDER RUNWAYS TO NEW CORE A AND CORE B SERVER CABINETS.



3 NEW MDA-A AND MDA-B CABINET ELEVATIONS

1" = 1'-0"

Revisions:	Date:

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CHICAGO, IL 60606
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PROJECT #220101109.00

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Eddie C. Willis, Jr.
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Drawing Title	Phase	Project Title	Project Number
BLDG. 135 TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 135
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 135T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	692 of 713

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SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
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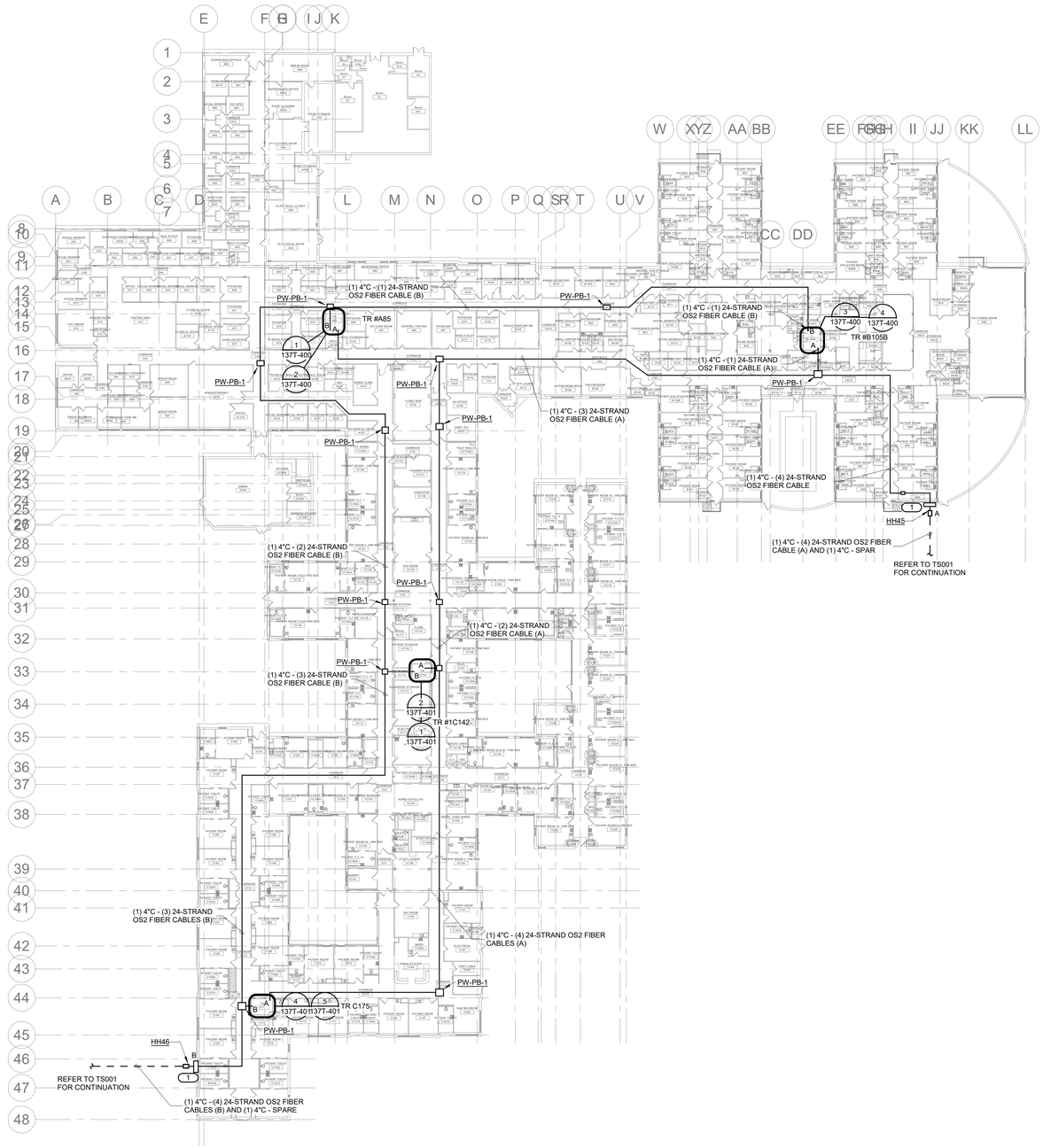
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINISHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL AND ABOVE CORRIDOR CEILING INTO TR #1C103C, TR #A125, AND TR #B105B.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1" = 30'-0"

Revisions:	Date:

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ENGINEERING DISCIPLINE:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.137 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: 137
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	Drawing Number: 137T-201
			693 of 713

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EHRMB509-700.B137.T_R21.rvt

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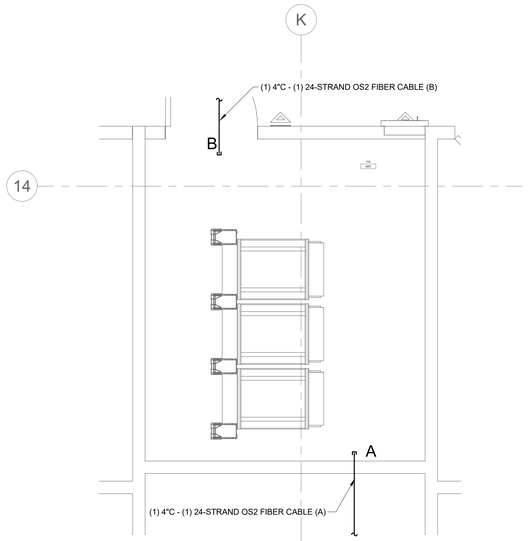


1 TELECOM ROOM ENLARGEMENT PLAN TR #A85

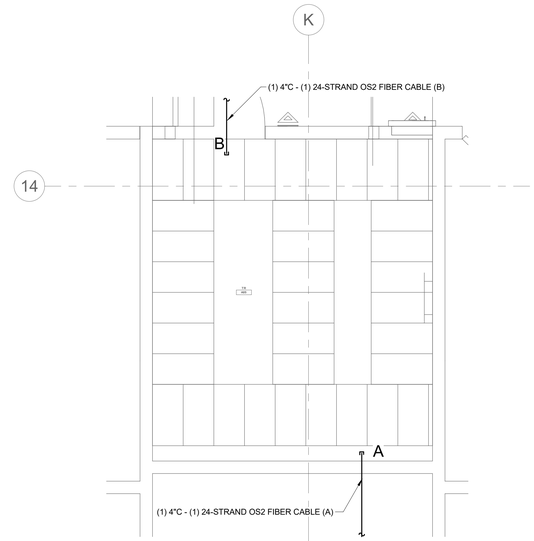
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

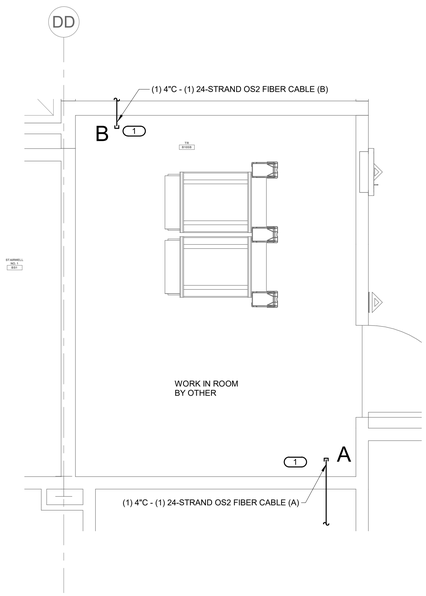
KEYNOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY PLAN TR #A85

1/2" = 1'-0"



3 TELECOM ROOM ENLARGEMENT PLAN - TR #B105B

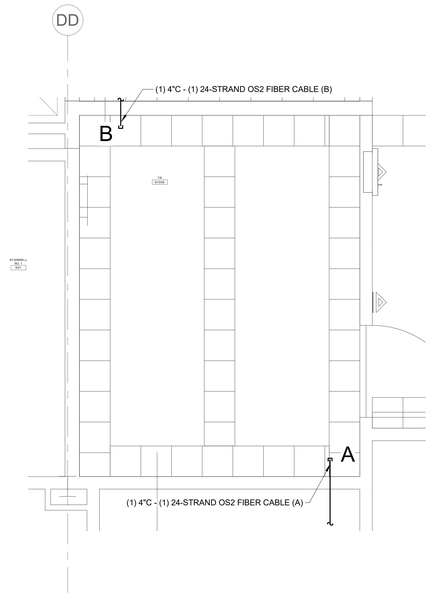
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



4 TELECOM ROOM PATHWAY PLAN - TR #B105B

1/2" = 1'-0"

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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PROJECT #22010109.00

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Drawing Title	Phase	Project Title	Project Number
BLDG.137 TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 137
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 137T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	694 of 713

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EHRM509-700.B137.T_R21.rvt

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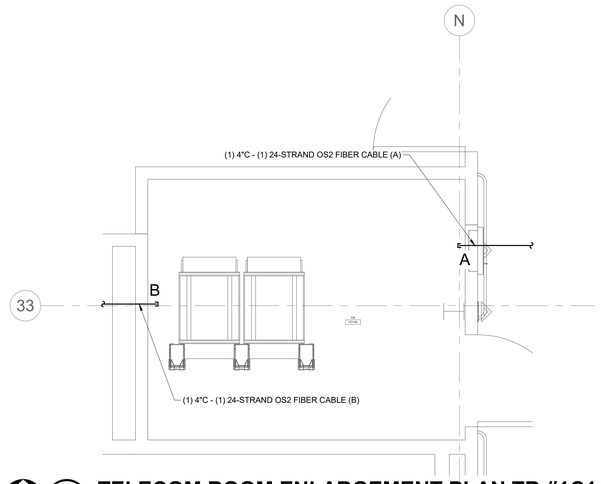


1 TELECOM ROOM ENLARGEMENT PLAN TR #1C142

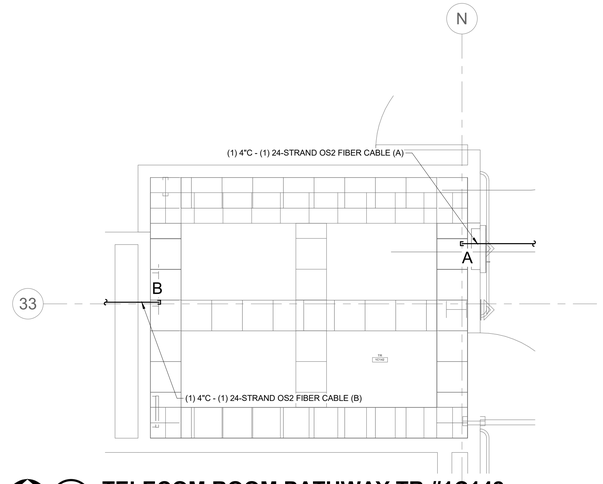
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #1C142

1/2" = 1'-0"

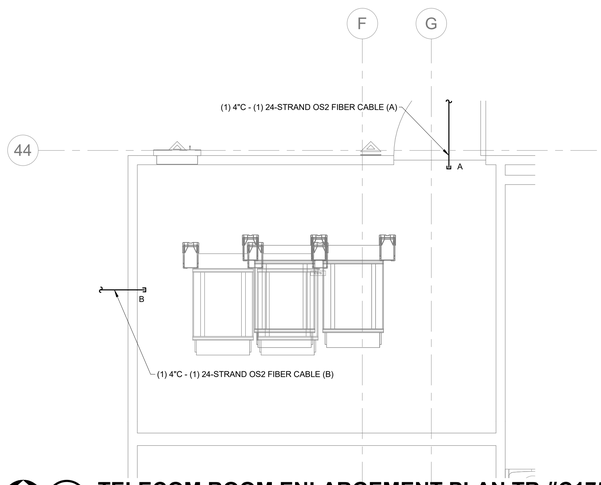
LEVEL 01	CHANNEL RACK FIBER DISTRIBUTION CABINET TELECOMMUNICATIONS ROOM TR #1C142	24 STRANDS OS2 FIBER OPTIC CABLE, CORE "A" , TO BUILDING 135 24 STRANDS OS2 FIBER OPTIC CABLE, CORE "B" , TO BUILDING 135
LEVEL 01	CHANNEL RACK FIBER DISTRIBUTION CABINET TELECOMMUNICATIONS ROOM TR #B105B	24 STRANDS OS2 FIBER OPTIC CABLE, CORE "A" , TO BUILDING 135 24 STRANDS OS2 FIBER OPTIC CABLE, CORE "B" , TO BUILDING 135
LEVEL 01	CHANNEL RACK FIBER DISTRIBUTION CABINET TELECOMMUNICATIONS ROOM TR #A85	24 STRANDS OS2 FIBER OPTIC CABLE, CORE "A" , TO BUILDING 135 24 STRANDS OS2 FIBER OPTIC CABLE, CORE "B" , TO BUILDING 135

3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS



4 TELECOM ROOM ENLARGEMENT PLAN TR #C175

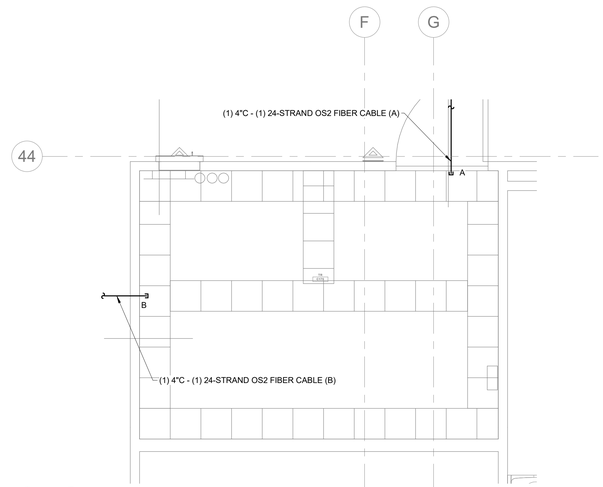
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



5 TELECOM ROOM PATHWAY TR #C175

1/2" = 1'-0"

Revisions:	Date:

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Drawing Title	BLDG.137 TECHNOLOGY ENLARGED PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Project Number	509-22-700
Building Number	137
Location	HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Drawing Number	137T-401
Issue Date	05/09/2025
Checked	EW
Drawn	IMEG

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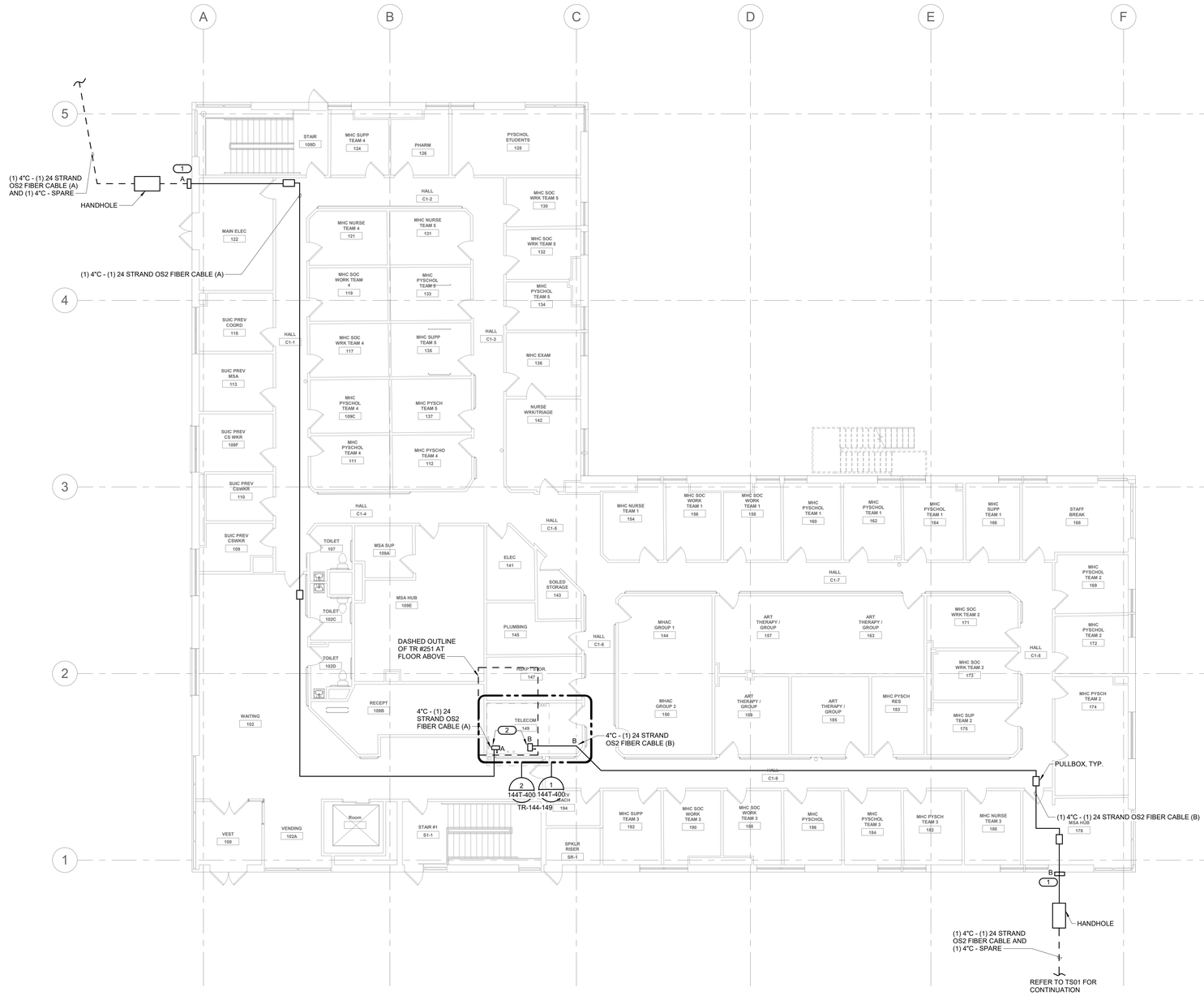
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEYNOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT OF FIRST FLOOR CEILING. ROUTE CONDUIT FROM HANDHOLE UP WALL INTO PULLBOX. PROVIDE PENETRATIONS THRU WALLS AND CONTINUE ROUTE ABOVE CORRIDOR FINISHED CEILING OVER INTO TR #149.
2. ROUTE CONDUITS INTO TR #149 AT ABOVE HEIGHT OF CABLE TRAY. PROVIDE PULLBOX AND ROUTE CONDUIT TO LOCATION BELOW TR #251. PROVIDE PENETRATIONS THRU CEILING DECK AND ROUTE CONDUITS UP INTO TR #251.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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Drawing Title LEVEL 01 PLAN - TECHNOLOGY	**Phase** 100% CONSTRUCTION DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES - HAMPTON	**Project Number** 509-22-700
			Building Number 144
Approved:	FULLY SPRINKLERED	**Location** HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	**Drawing Number** 144T-101
		Issue Date 05/09/2025 · **Checked** EW · **Drawn** IMEG	696 of 713

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EHRM/509-700 B144_T_R21.rvt
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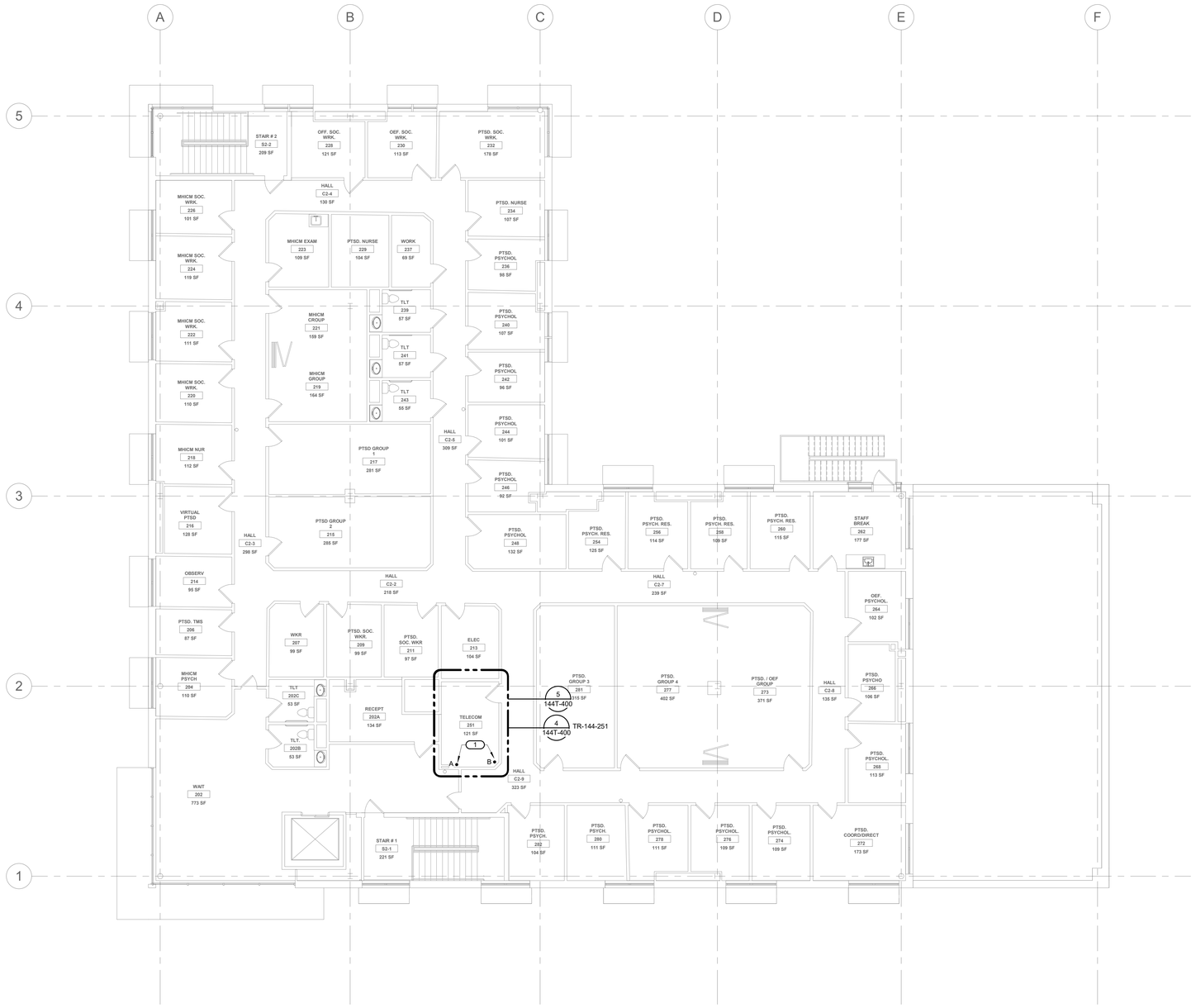
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING.

KEY NOTES: #

1. ROUTE CONDUIT UP THRU FLOOR FROM TR #149 AT FLOOR BELOW. CONTINUE ROUTE OF CONDUIT UP TO ABOVE CABLE TRAY.



NORTH

1 LEVEL 02 PLAN - TECHNOLOGY

1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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CHICAGO, IL 60606
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Drawing Title	Phase	Project Title	Project Number
LEVEL 02 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number 144
Approved:	FULLY SPRINKLERED	Location HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number 144T-102
		Issue Date 05/09/2025 · Checked EW · Drawn IMEG	697 of 713

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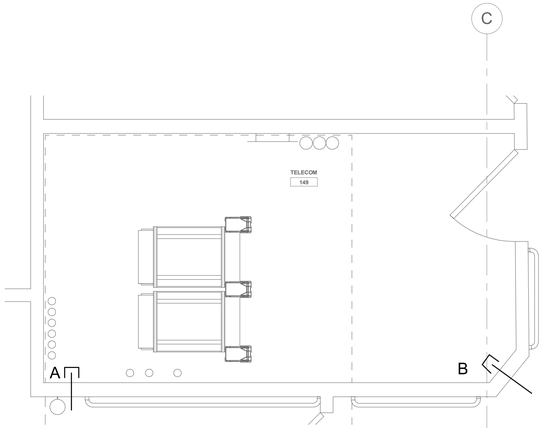
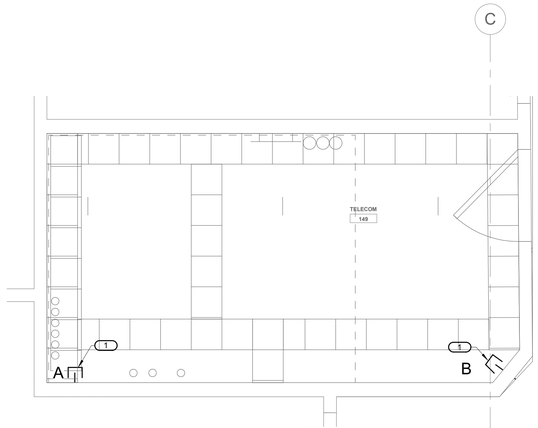


1 TELECOM ROOM ENLARGEMENT PLAN - TR-144-149

1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLES TO OVERHEAD CABLE TRAYS AND TERMINATE IN FIBER DISTRIBUTION CABINET.

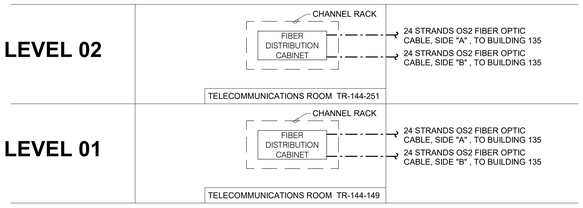


2 TELECOM ROOM PATHWAYS - TR-144-149

1/2" = 1'-0"

KEYNOTES:

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLES CONTINUE ON CABLE TRAY TO RACKS.

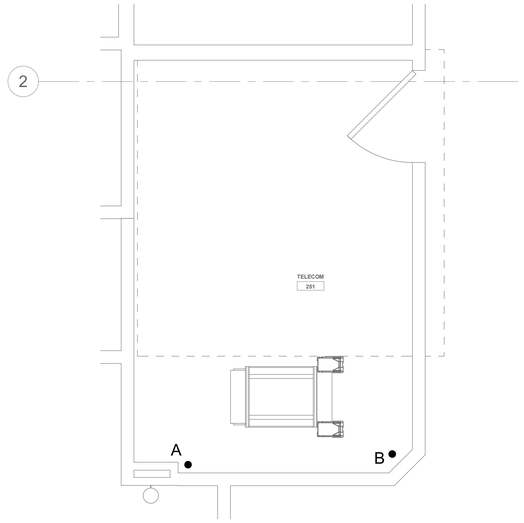


3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

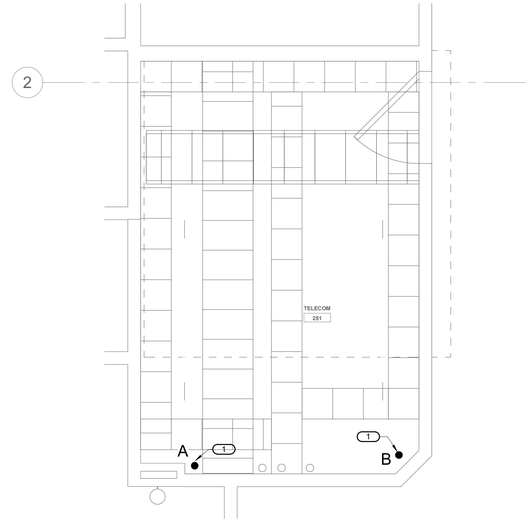


4 TELECOM ROOM ENLARGEMENT PLAN - TR-144-251

1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLES TO OVERHEAD CABLE TRAYS AND TERMINATE IN FIBER DISTRIBUTION CABINET



5 LEVEL 02 TELECOM ROOM PATHWAYS - TR-144-251

1/2" = 1'-0"

KEYNOTES:

1. THROUGH FLOOR/CEILING PENETRATION FOR BACKBONE CONDUIT. CONTINUE CONDUTI UP TO ABOVE CABLE TRAY. OPTICAL FIBER CABLES CONTINUE ON CABLE TRAY TO RACKS.

Revisions:	Date:

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PROJECT #22010109.00

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Drawing Title TECHNOLOGY ENLARGED PLANS	**Phase** 100% CONSTRUCTION DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES - HAMPTON	**Project Number** 509-22-700
			Building Number 144
Approved:	FULLY SPRINKLERED	**Location** HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	**Drawing Number** 144T-400
		Issue Date 05/09/2025 / **Checked** EW / **Drawn** IMEG	698 of 713

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Eng144Bldg0-100 B144_T_R21.rvt

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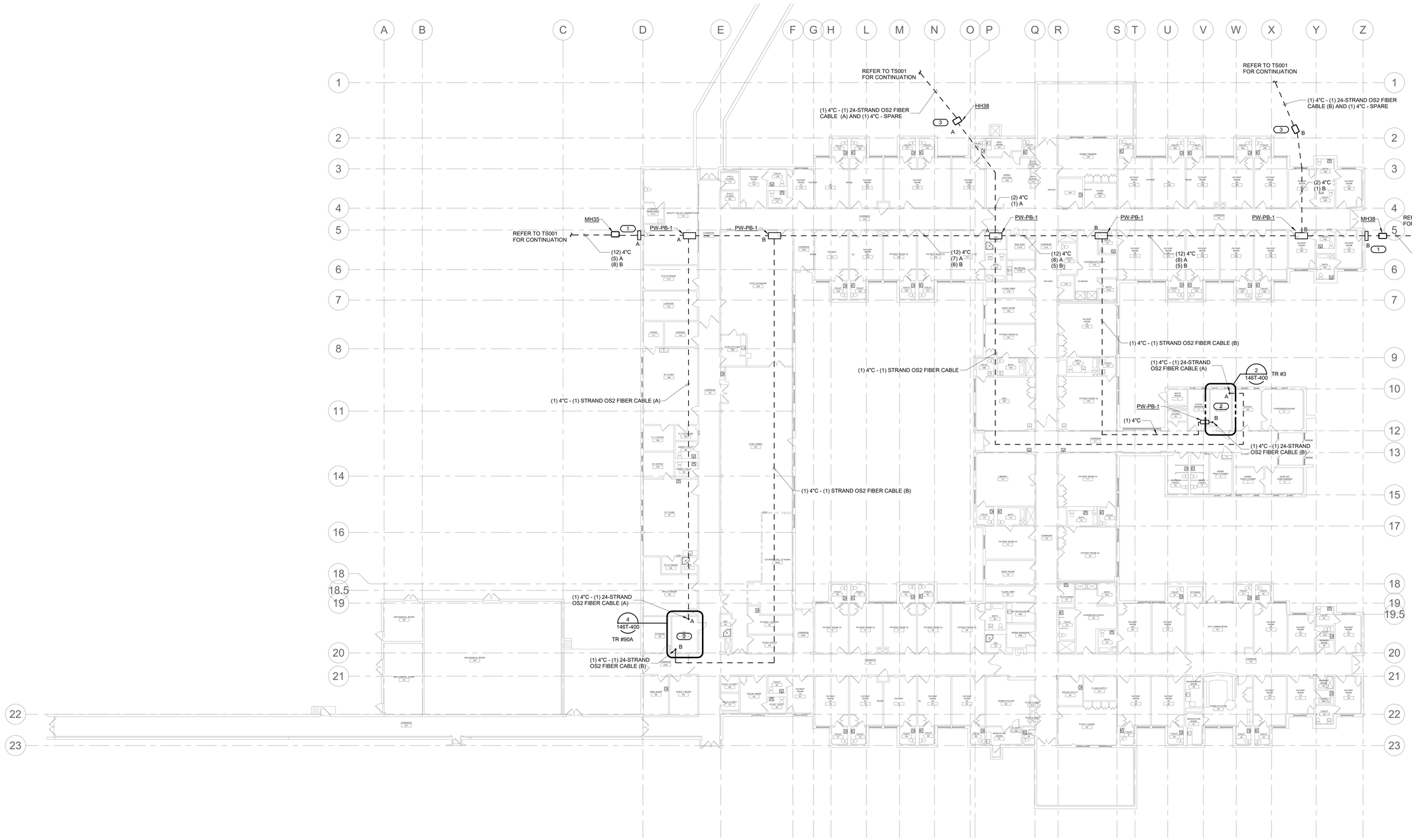
SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.
7. CONDUIT ROUTES THRU CRAWL SPACE ARE "SUGGESTED" ROUTE. FIELD VERIFY EXACT ROUTE THRU CRAWL SPACE.

KEY NOTES: (#)

1. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT INTO CRAWL SPACE AND CONTINUE TO LOCATION BELOW TR #3 AND TR #90A.
2. PROVIDE PENETRATION THRU CEILING DECK AND ROUTE CONDUIT UP INTO TR'S.
3. ROUTE CONDUITS AND BACKBONE CABLES BELOW GRADE FROM BLDG 146 CRAWL SPACE TO BLDG 148T.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY
1/16" = 1'-0"

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

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PROJECT #22010109.00

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Reg. No. 191562R
Expires 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.146 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 146
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 146T-201
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	699 of 713

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VAHampton
EHRM/509-700.B146.T_R21.rvt

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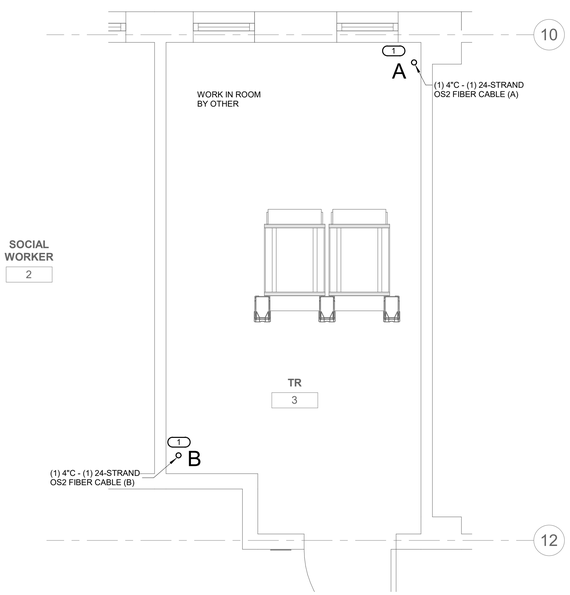


1 TELECOM ROOM ENLARGEMENT TR #3

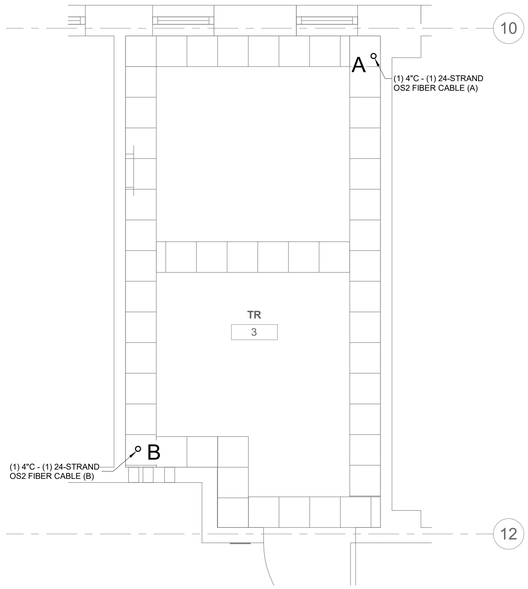
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

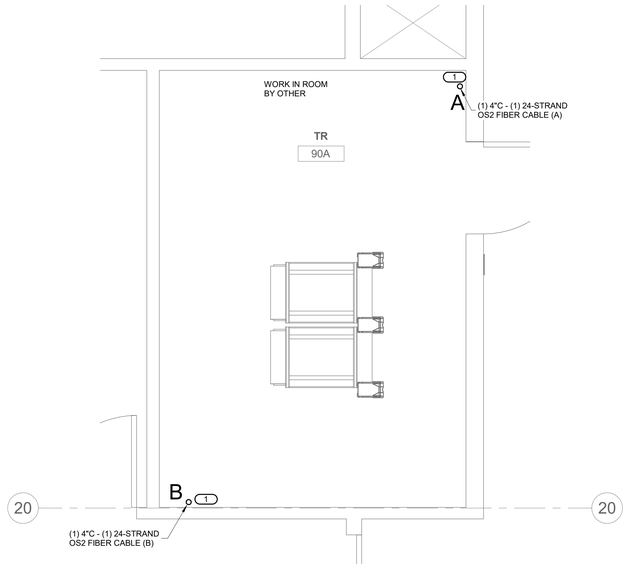
KEYNOTES: #

1. THROUGH FLOOR PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #3

1/2" = 1'-0"



3 TELECOM ROOM ENLARGEMENT TR #90A

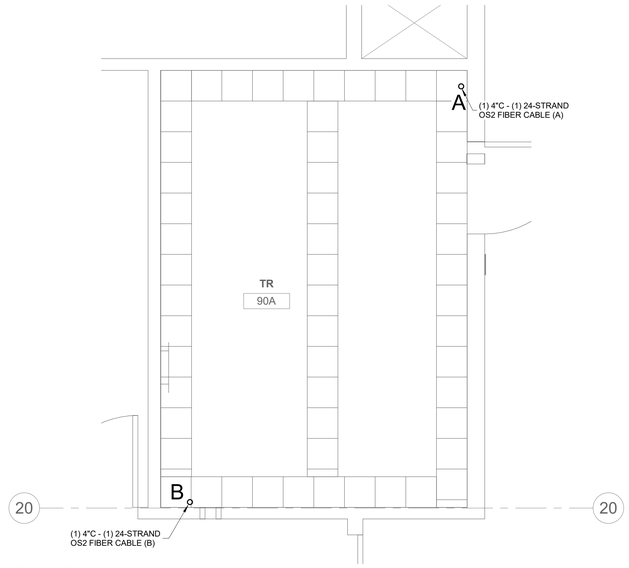
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

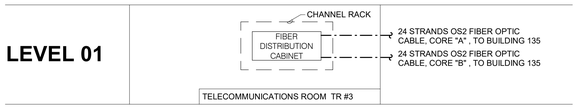
KEYNOTES: #

1. THROUGH FLOOR PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



4 TELECOM ROOM PATHWAY TR #90A

1/2" = 1'-0"

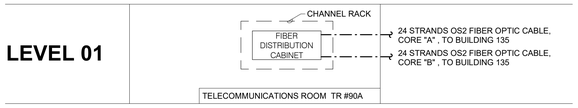


5 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS



6 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

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Bicsi
Eddie C. Willis, Jr.
RCDD No. 191562R
EXPIRES 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.146 TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number: 146
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	Drawing Number: 146T-400
			700 of 713

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VA/Hampton
EHRM/509-700.B146.T_R21.rvt

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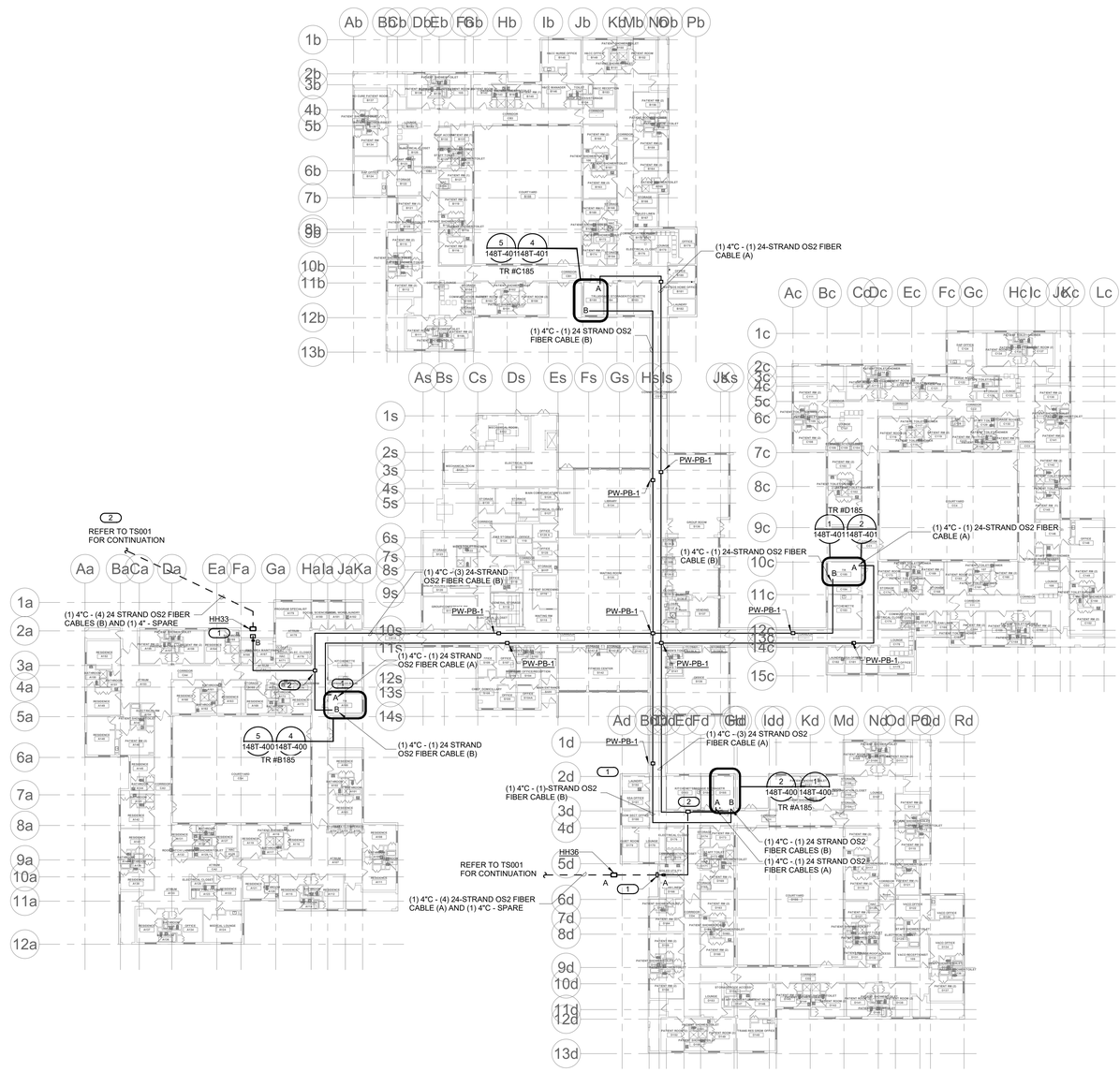
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE CABLE TRAY IN TR #AG185 AND TR #D185. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL INTO TRs ABOVE CABLE TRAY.
2. PROVIDE PULLBOX ABOVE CORRIDOR CEILING AND SEPARATE FIBER CABLES TO ROUTE TO OTHER TR INDICATED.



1 LEVEL 01 PLAN - TECHNOLOGY

1" = 30'-0"

NORTH

Revisions:	Date:

CONSULTANT

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Bicsi
Eddie C. Willis, Jr.
Reg. No. 191562R
Expires 12-31-2025
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.148 LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 148
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 148T-101
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	701 of 713

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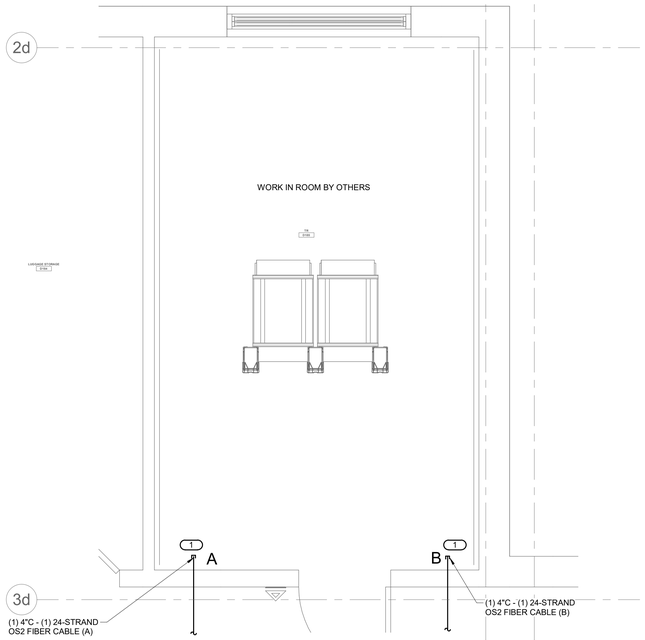


1 TELECOM ROOM ENLARGEMENT TR #A185

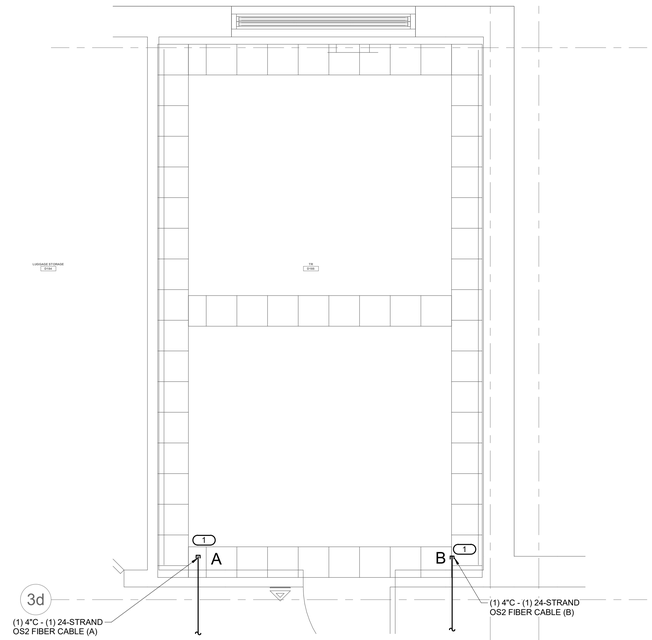
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #A185

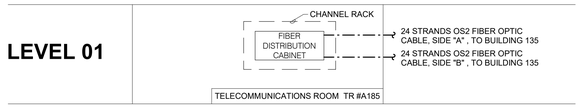
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.

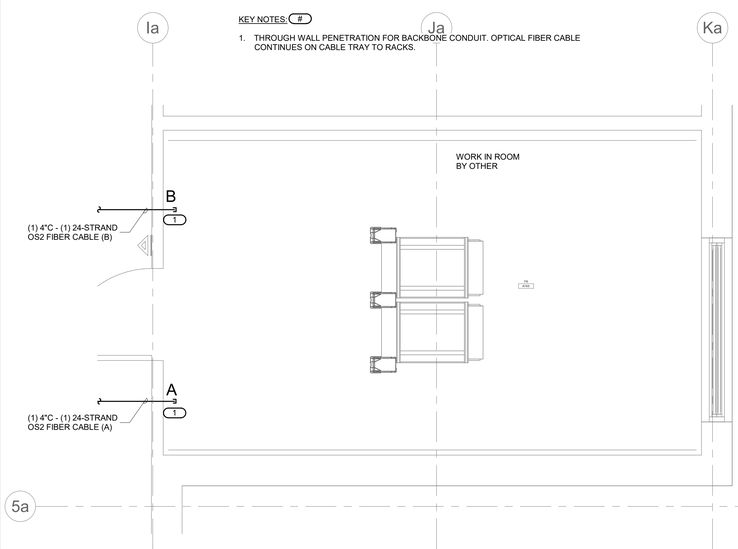


3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS



4 TELECOM ROOM ENLARGEMENT TR #B185

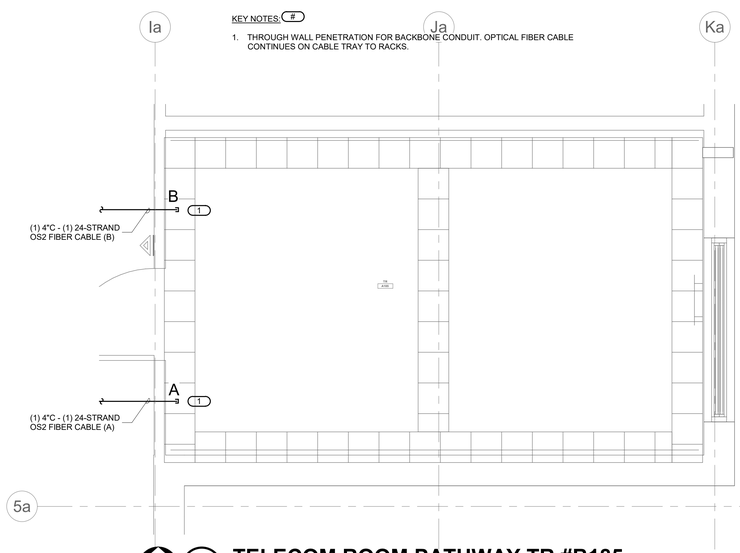
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



5 TELECOM ROOM PATHWAY TR #B185

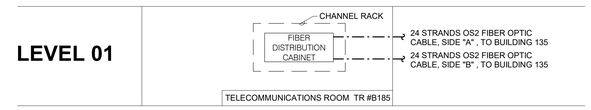
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



6 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

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Eddie C. Willis, Jr.
RCDD No. 19156CR
EXPIRES 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.148 TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number 148
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number 148T-400
		Issue Date 05/09/2025 · Checked EW · Drawn IMEG	

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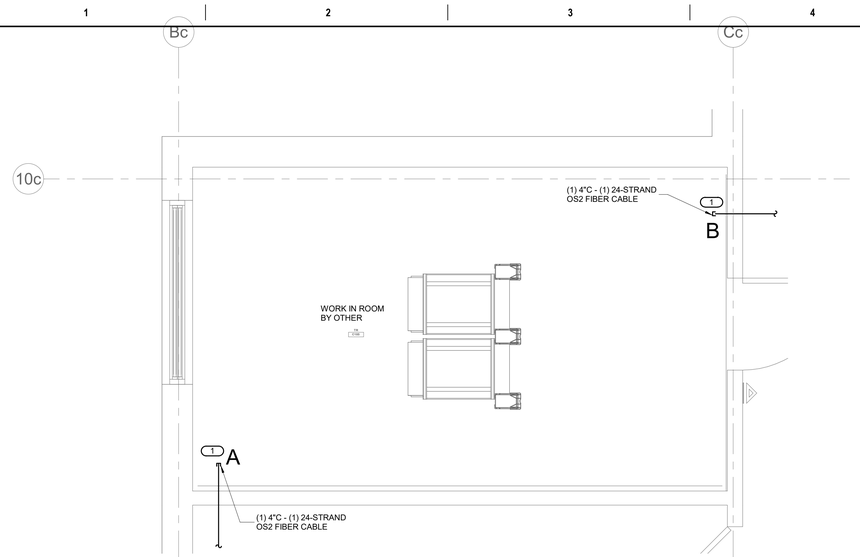


1 TELECOM ROOM ENLARGEMENT TR #C185

1/2" = 1'-0"

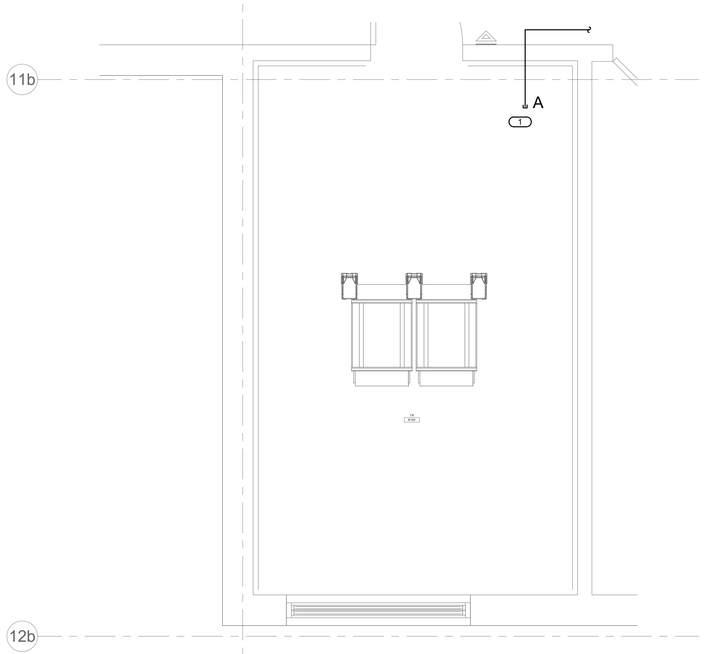
NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

Jb

KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



4 TELECOM ROOM ENLARGEMENT TR #D185

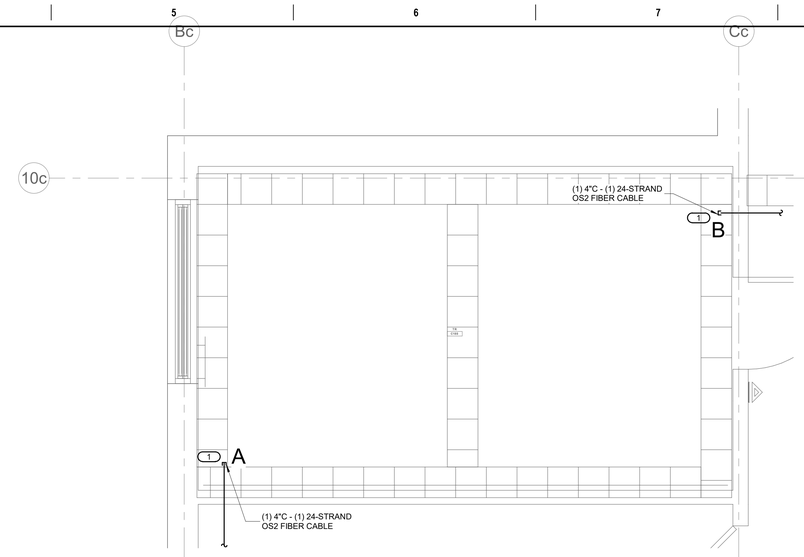
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #C185

1/2" = 1'-0"

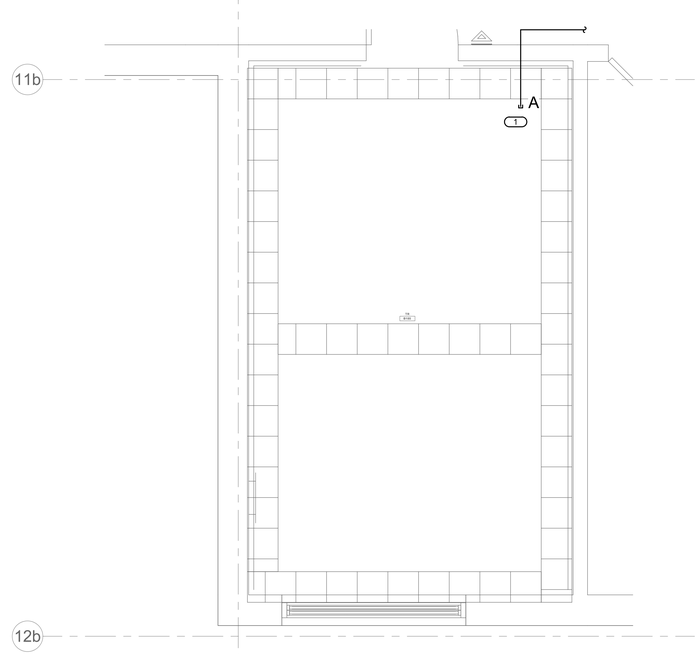
NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

Jb

KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



5 TELECOM ROOM PATHWAY TR #D185

1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEY NOTES: (#)

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.

LEVEL 01

3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

LEVEL 01

6 FIBER RISER DIAGRAM

NO SCALE

NOTES:

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2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

CONSULTANT

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PROJECT #22010109.00

ARCHITECT/ENGINEER OF RECORD

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SPEESDESIGNBUILD

STAMP

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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RCDD No. 191562R
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.148 TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 148
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 148T-401
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	703 of 713

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EHRM/509-700.B148_T_R21.rvt

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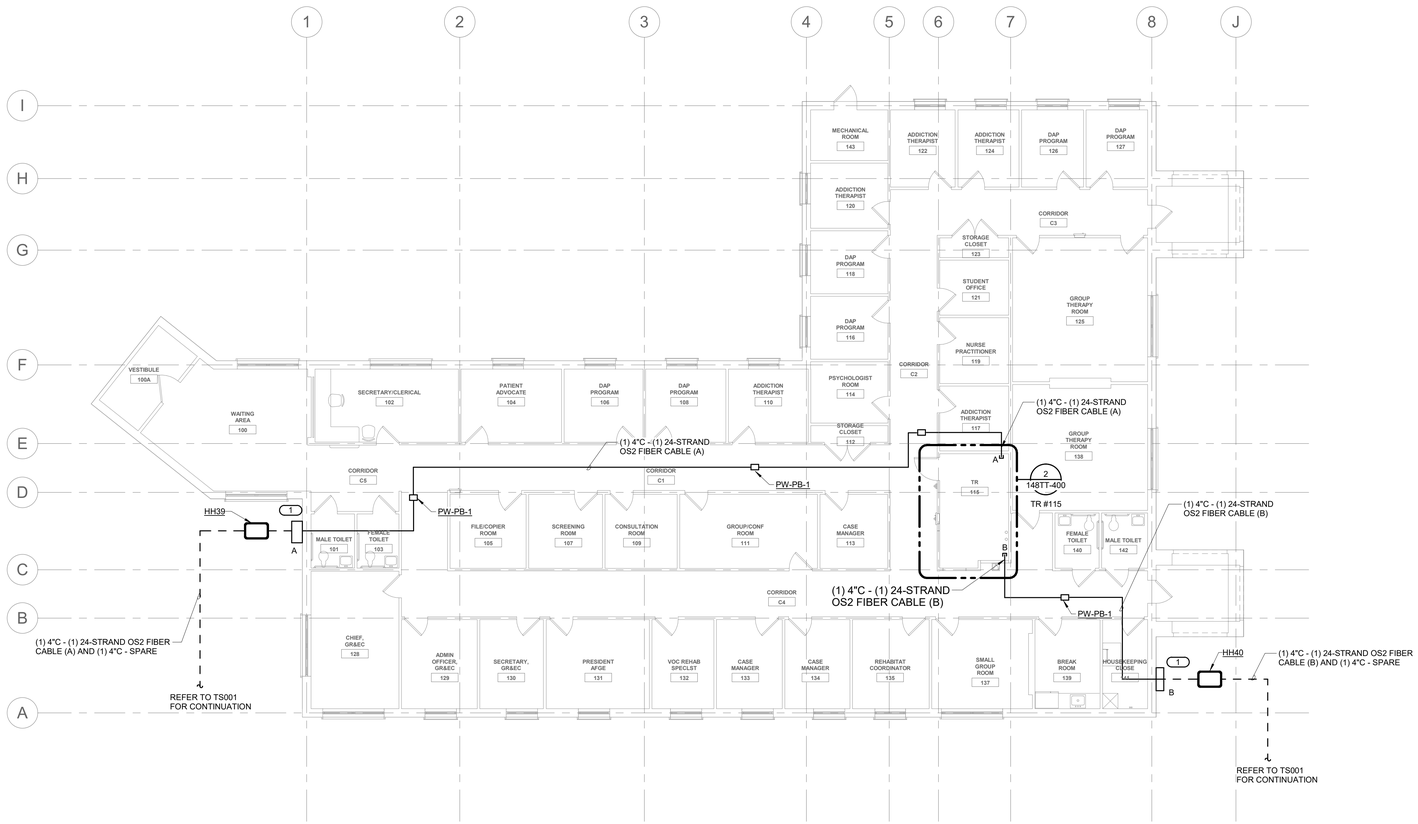
SHEET NOTES:

1. REFER TO SITE PLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND T501 FOR CAMPUS OPTICAL FIBER CABLE RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. NEW BACKBONE OPTICAL FIBER CABLES SHALL BE INDOOR/OUTDOOR TYPE.
5. ALL BACKBONE OPTICAL FIBER CABLE PATHWAYS SHALL BE NEW. DO NOT RE-USE EXISTING BACKBONE CABLE PATHWAYS FOR NEW BACKBONE CABLES.
6. TRANSITION PVC CONDUITS TO GRC IN CRAWL SPACE OR EXPOSED EXTERIOR LOCATIONS. TRANSITION TO EMT CONDUITS AT INTERIOR OF BUILDING.SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.
7. CONDUIT ROUTES THRU CRAWL SPACE ARE "SUGGESTED" ROUTE. FIELD VERIFY EXACT ROUTE THRU CRAWL SPACE.

KEY NOTES: (#)

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE FINSIHED CEILING. ROUTE CONDUIT UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUIT THRU WALL ABOVE CEILING INTO TR #115.



1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

NORTH

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG.148T LEVEL 01 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 148T
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 148TT-101
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	704 of 713

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VAHampton/
EHRM509-700.B148T_R21.rvt

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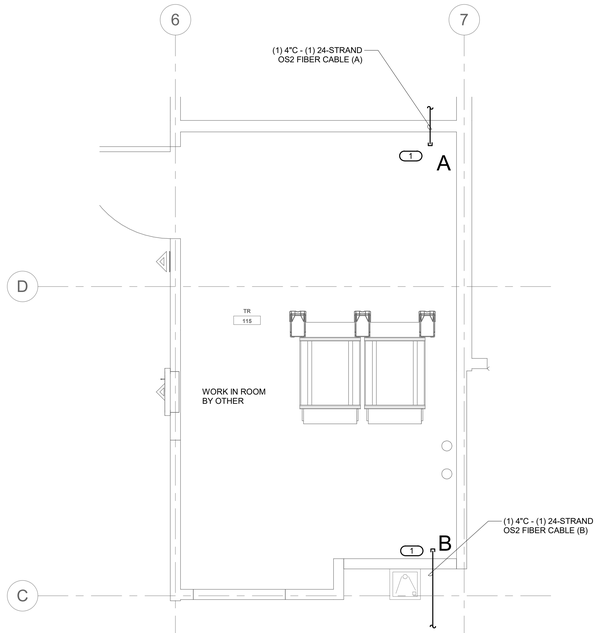
VA FORM 08 - 6231



1 TELECOM ROOM ENLARGEMENT TR #115

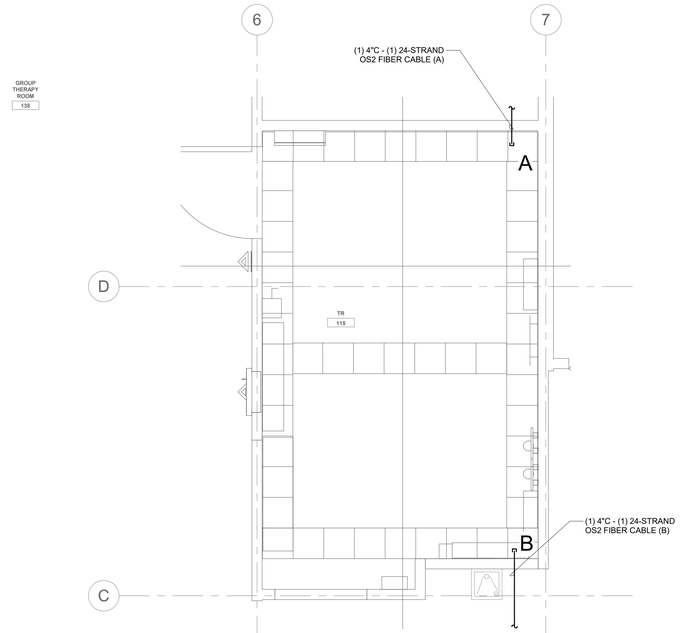
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

KEYNOTES: (#)

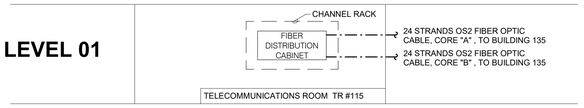
1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY TR #115

1/2" = 1'-0"

LEVEL 01



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

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SDB SPEESDESIGNBUILD

STAMP

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Bicsi
Eddie C. Willis, Jr.
Reg. No: 191562R
Expires 12-31-2025
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG.148T TECHNOLOGY ENLARGED PLANS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025 | Checked: EW | Drawn: IMEG

Project Number: 509-22-700

Building Number: 148T

Drawing Number: 148TT-400

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EHRMUSER-700.B148T.T_R21.rvt

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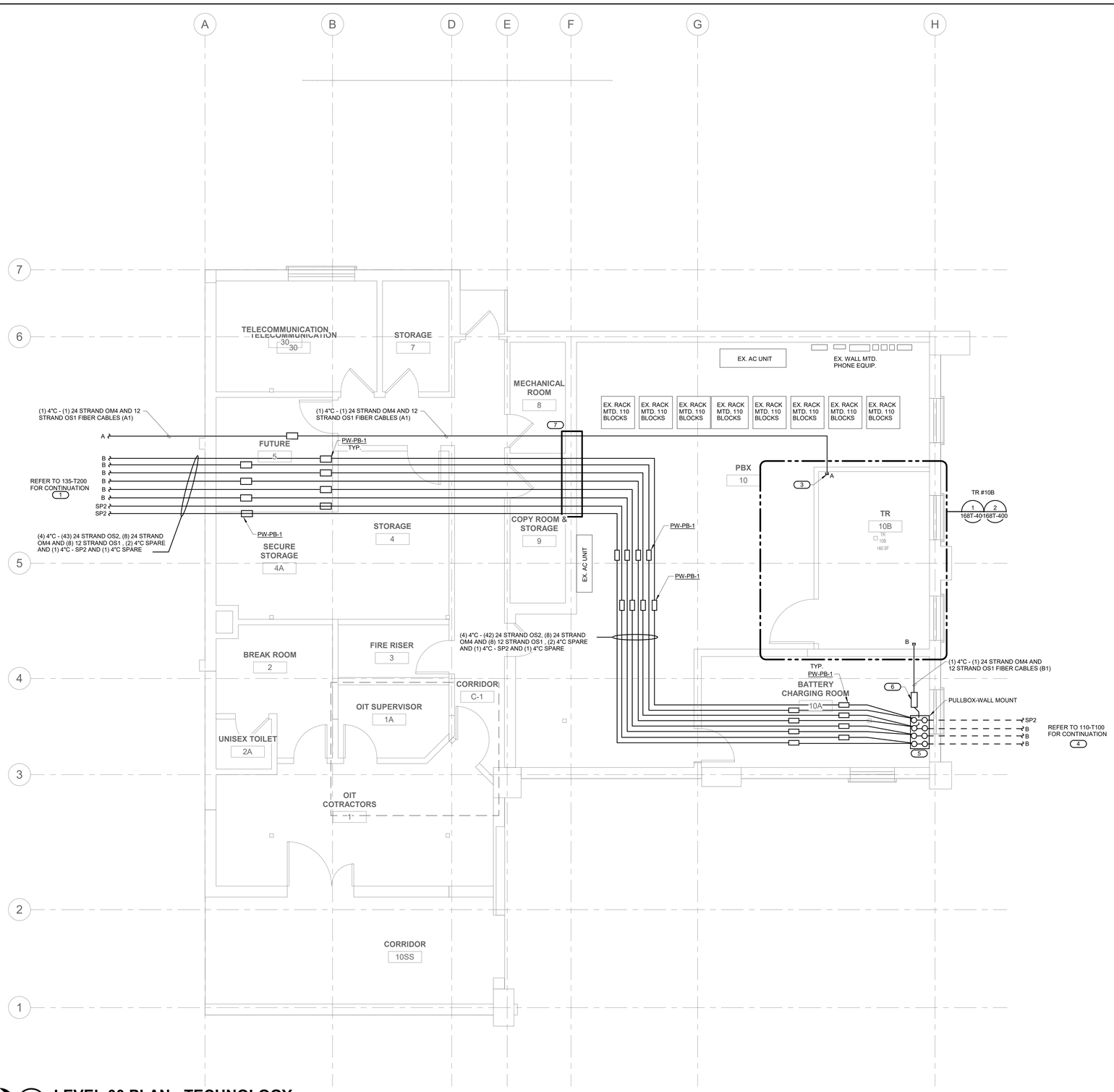
KEY NOTES: #

1. PROVIDE PENETRATIONS THRU WALL OF BLDG. 168 AND CONTINUE ROUTE OF CORE A CONDUITS ABOVE CEILING INTO PBX RM #10. ADJUST ROUTE THRU STORAGE ROOM AND MECH ROOM TO AVOID EXISTING DUCTWORK/PIPING.
2. PROVIDE PULLBOX ON CONDUIT RUN TO EXTEND NEW CORE A BACKBONE FIBER CABLE TO NEW TR #10B.
3. ROUTE CONDUIT ABOVE CEILING OVER TO NEW TR #10B. PROVIDE PENETRATION THRU WALL AND STUB CONDUIT INTO TR #10B.
4. PROVIDE PENETRATION THRU WALL TO ROUTE CONDUITS FROM CRAWL SPACE IN BLDG #110 INTO CRAWL SPACE OF BLDG #168 AND BELOW. BATTERY ROOM #10A.
5. PROVIDE PENETRATION THRU FLOOR OF BATTERY ROOM AND ROUTE CONDUITS (STACKED) UP INTO BATTERY ROOM. CONTINUE ROUTE OF CONDUITS TO ABOVE CEILING AND INTO PBX #10 ROOM.
6. PROVIDE PULLBOX ON CONDUIT RUN TO EXTEND NEW CORE B BACKBONE FIBER CABLE TO NEW TR #10B.
7. PROVIDE PENETRATIONS THRU CMU WALL TO ROUTE BACKBONE CONDUITS BETWEEN BLDGS 135 AND 168 AS INDICATED. COORDINATE EXACT PENETRATION LOCATIONS WITH STRUCTURAL .



NORTH

1 LEVEL 00 PLAN - TECHNOLOGY

1/4" = 1'-0"

Revisions:	Date:

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SDB SPEESDESIGNBUILD

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Eddie C. Willis, Jr.
Reg. No: 191562R
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Drawing Title	Phase	Project Title	Project Number
BLDG. 168 LEVEL 00 PLAN - TECHNOLOGY	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 168
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 168T-100
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	

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EHRM/509-700.B168_T_R21.rvt

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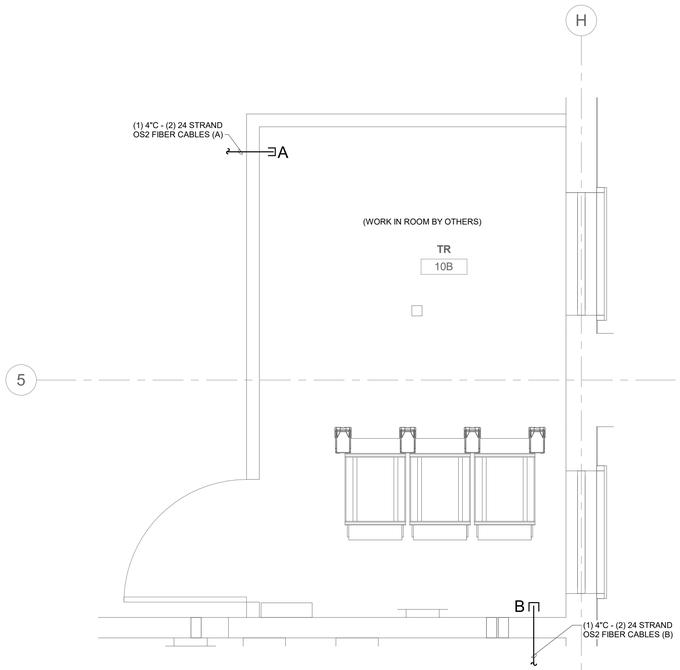
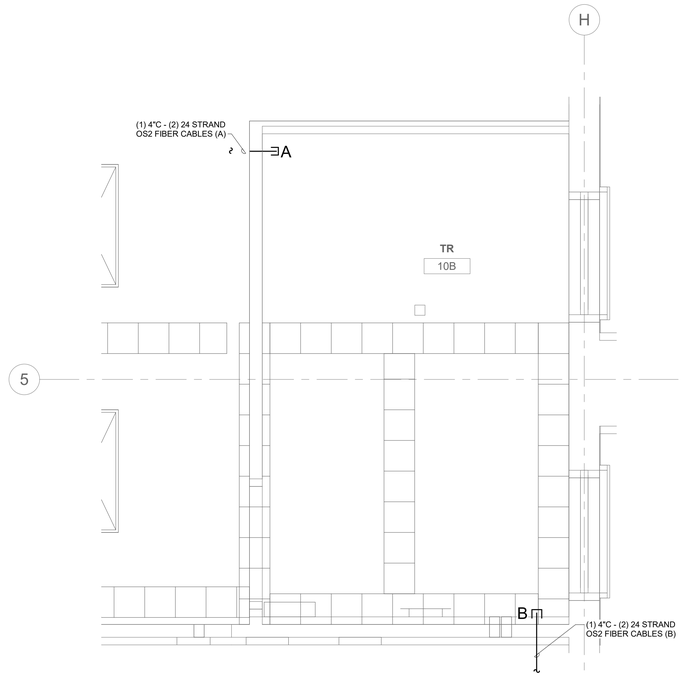


1 TELECOM ROOM ENLARGEMENT TR #10B

1/2" = 1'-0"

KEY NOTES: #

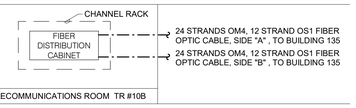
1. ROUTE CONDUITS UP TO CEILING HEIGHT AND STUB AND BUSH ABOVE CABLE TRAY. CONTINUE ROUTE OF CORE A OPTICAL FIBER CABLES ON CABLE TRAY, THRU PATHWAYS AND INTO MCR #25.



2 TELECOM ROOM PATHWAY TR #10B

1/2" = 1'-0"

LEVEL 00



3 FIBER AND COPPER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

Revisions:	Date:

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SPEESDESIGNBUILD

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG. 168 TECHNOLOGY ENLARGED PLANS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number: 168
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: 168T-400
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	

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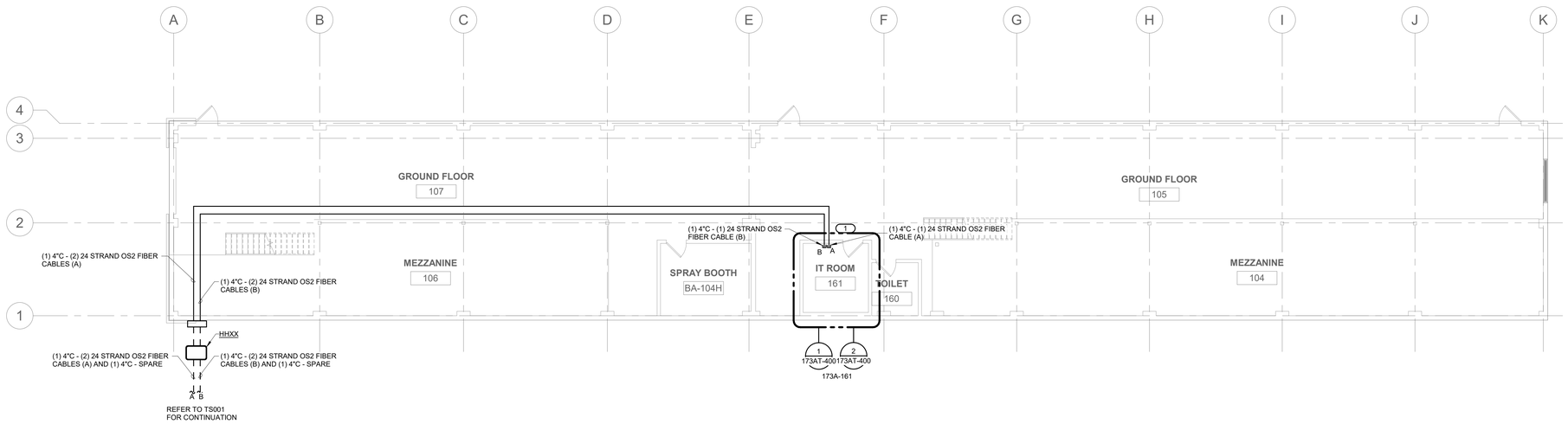
SHEET NOTES:

1. REFER TO SITEPLAN TS001 FOR ADDITIONAL INFORMATION.
2. REFER TO T500 AND 00-T501 FOR CAMPUS OPTICAL FIBER RISER DIAGRAMS.
3. REFER TO 2/T400 FOR HANDHOLE DETAIL.
4. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.
5. ROUTES SHOWN THRU CRAWL SPACES ARE "SUGGESTED" ROUTES. FIELDVERIFY EXACT ROUTES.
6. SEAL ALL PENETRATIONS TO MAINTAIN FIRE-RATINGS OF WALL, CEILING AND FLOORS.

KEY NOTES: #

1. PROVIDE PULLBOX ON EXTERIOR WALL AT HEIGHT ABOVE CEILING. ROUTE CONDUITS UP WALL INTO PULLBOX. PROVIDE PENETRATION THRU WALL AND ROUTE CONDUITS AT GROUND FLOOR CEILING HEIGHT, THRU CORRIDOR, INTO TR #161.



NORTH

1 LEVEL 01 PLAN - TECHNOLOGY

1/8" = 1'-0"

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CONSULTANT

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VA U.S. Department of Veterans Affairs

Drawing Title	BLDG. 173A LEVEL 01 PLAN - TECHNOLOGY
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	
FULLY SPRINKLERED	
Project Title	EHRM INFRASTRUCTURE UPGRADES - HAMPTON
Project Number	509-22-700
Building Number	173A
Location	HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA
Drawing Number	173AT-201
Issue Date	05/09/2025
Checked	EW
Drawn	IMEG

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EHRM/509-700.B173-173A_T_R21.rvt

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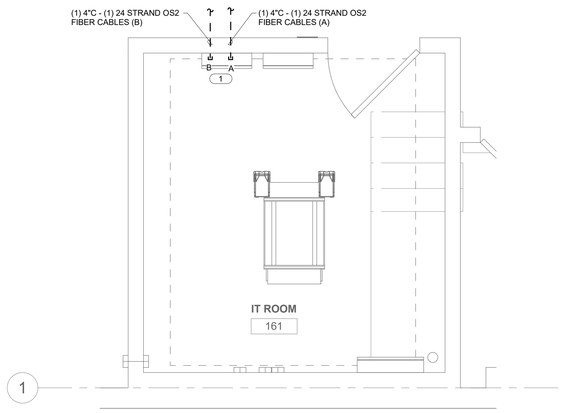


1 TELECOM ROOM ENLARGEMENT PLAN - TR-173A-161

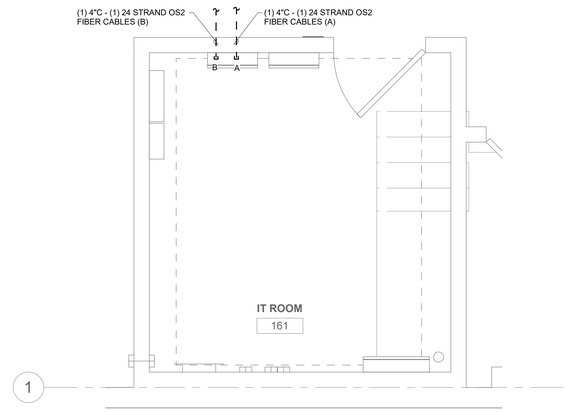
1/2" = 1'-0"

NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ROOM LAYOUT AND RACK ELEVATIONS.
2. ROUTE OPTICAL FIBER CABLE TO OVERHEAD CABLE TRAY AND TERMINATE IN FIBER DISTRIBUTION CABINET.

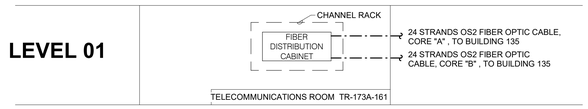
KEYNOTES: #

1. THROUGH WALL PENETRATION FOR BACKBONE CONDUIT. OPTICAL FIBER CABLE CONTINUES ON CABLE TRAY TO RACKS.



2 TELECOM ROOM PATHWAY PLAN - TR-173A-161

1/2" = 1'-0"



3 FIBER RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL DRAWINGS FOR CHANNEL RACK AND FIBER OPTIC DISTRIBUTION CABINET SPECIFICATIONS

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SDB SPEESDESIGNBUILD

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Bicsi
Eddie C. Willis, Jr.
RCDD No: 191562R
EXPIRES 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG. 173A TECHNOLOGY ENLARGEMENT PLANS

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - HAMPTON

Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA

Issue Date: 05/09/2025
Checked: EW
Drawn: IMEG

Project Number: 509-22-700
Building Number: 173A
Drawing Number: 173AT-400

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EHRM/509-700.B/173-173A_T_R21.rvt

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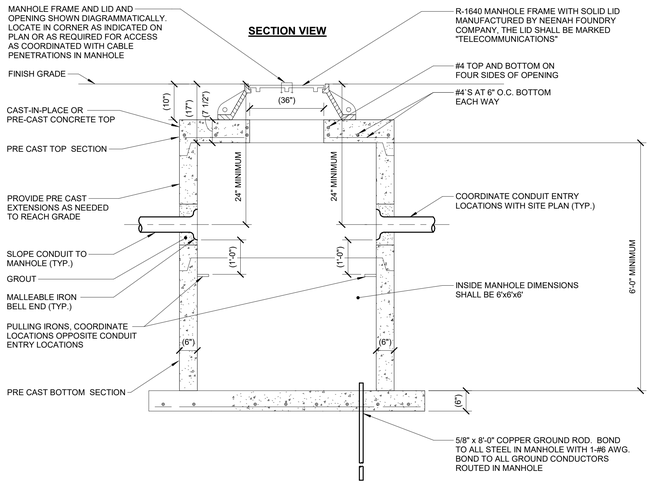
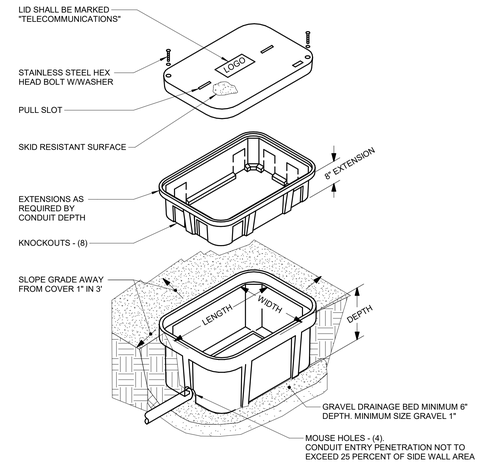


1 TELECOMMUNICATIONS MANHOLE DETAIL - TYPE MH

NO SCALE

NOTES:

1. PROVIDE FIBERGLASS WALL RACKS IN MANHOLES TO SUPPORT OPTICAL FIBER SLACK LOOPS AND SECURE CABLES TO BE 6" ABOVE FINISH FLOOR.
2. PROVIDE PIT IN FLOOR OF MANHOLE FOR SUMP PUMP.
3. INSTALL CONDUITS STARTING AT BOTTOM LOCATIONS TO LEAVE SPACE FOR CONDUITS ADDED TO MANHOLE IN FUTURE.
4. DETAIL SHOWN DIAGRAMMATICALLY. REFER TO TS001 FOR MANHOLE LOCATIONS.
5. DETAIL IS TYPICAL OF ALL MANHOLES.

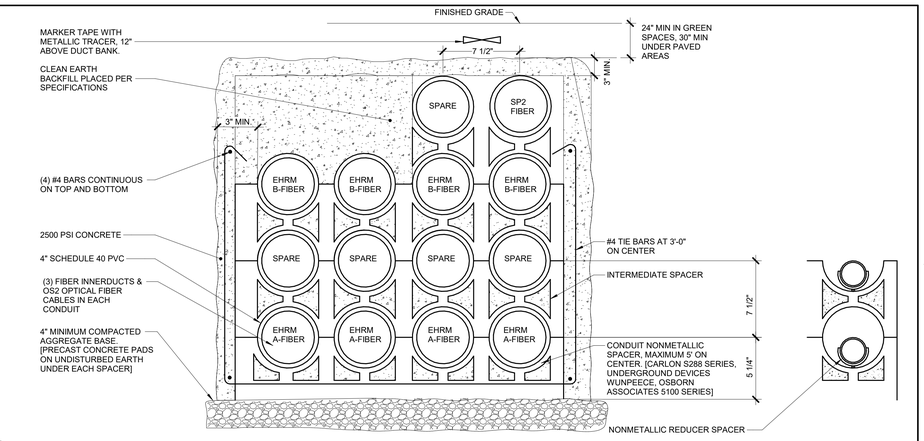


2 EXTERIOR HAND HOLE DETAIL - TYPE HH

NO SCALE

NOTES:

1. ALL DIMENSIONS ARE NOMINAL INSIDE CLEARANCES.
2. ANY SPLICES OR DEVICES IN HANDHOLE SHALL BE SUBMERGIBLE.
3. HANDHOLE SHALL BE SIZE BASED ON 10 TIMES MAXIMUM RADIUS BEND OF OPTICAL FIBER CABLES.

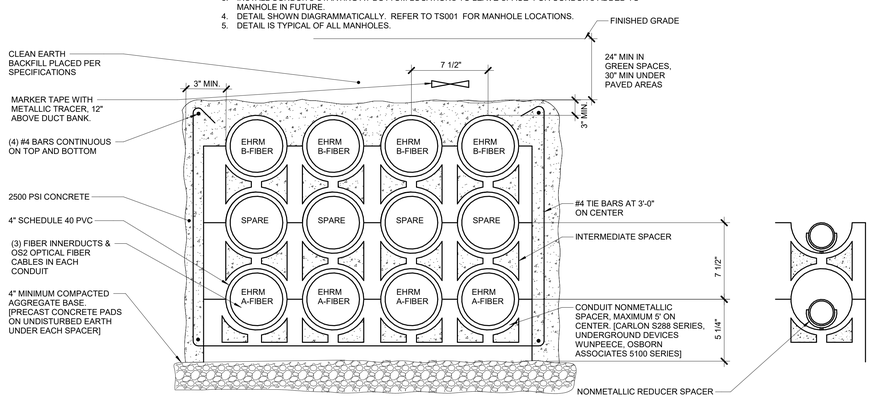


3 CORE A, CORE B and SP2 DUCT BANK DETAIL

NO SCALE

NOTES:

1. INSTALL 2000 lb TENSILE STRENGTH BRAIDED POLYPROPYLENE PULL CORD IN ALL CONDUITS.
2. TRENCHING AND BACKFILL ACCORDING TO SPECIFICATIONS.
3. MINIMUM OF 4'-0" CLEAR BETWEEN ADJACENT DUCTBANKS.
4. DOWEL ENDS OF DUCTBANK TO FOUNDATION OR MANHOLE WITH A MINIMUM OF (4) #4 DOWELS.
5. PROVIDE (3) MAXCELL #MXE52224, 4-CELL INNERDUCTS IN EACH 4" CONDUIT.

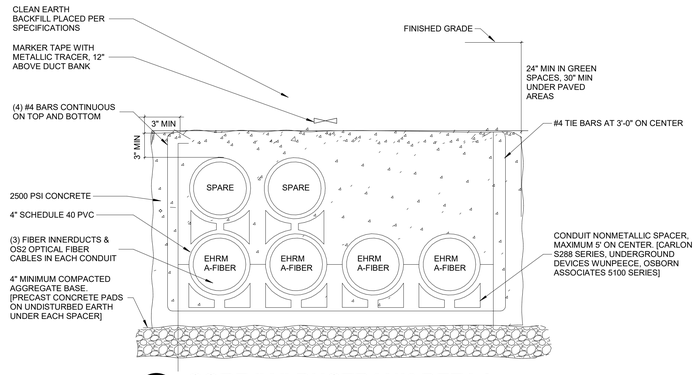


4 CORE A and CORE B DUCT BANK DETAIL

NO SCALE

NOTES:

1. INSTALL 2000 lb TENSILE STRENGTH BRAIDED POLYPROPYLENE PULL CORD IN ALL CONDUITS.
2. TRENCHING AND BACKFILL ACCORDING TO SPECIFICATIONS.
3. MINIMUM OF 4'-0" CLEAR BETWEEN ADJACENT DUCTBANKS.
4. DOWEL ENDS OF DUCTBANK TO FOUNDATION OR MANHOLE WITH A MINIMUM OF (4) #4 DOWELS.
5. PROVIDE (3) MAXCELL #MXE52224, 4-CELL INNERDUCTS IN EACH 4" CONDUIT.

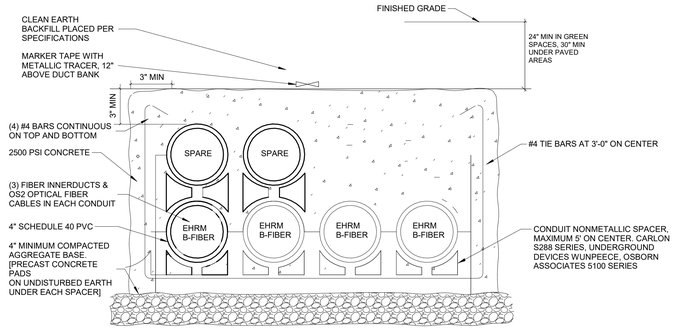


5 CORE "A" DUCTBANK DETAIL

NO SCALE

NOTES:

1. INSTALL 2000LB TENSILE STRENGTH BRAIDED POLYPROPYLENE PULLCORD IN ALL CONDUITS.
2. TRENCHING AND BACKFILL ACCORDING TO SPECIFICATIONS.
3. MINIMUM OF 4'-0" CLEAR BETWEEN ADJACENT DUCTBANKS.
4. DOWEL ENDS OF DUCTBANK TO FOUNDATION OR MANHOLE WITH A MINIMUM OF (4) #4 DOWELS.
5. PROVIDE (3) MAXCELL #MXE52224, 4-CELL INNERDUCTS IN EACH 4" CONDUIT.

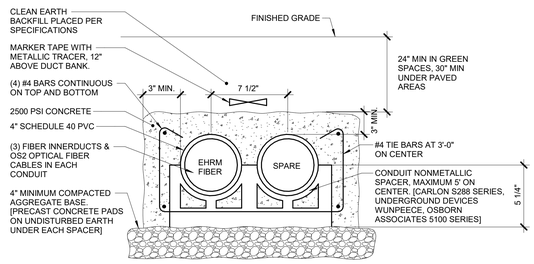


6 CORE "B" DUCTBANK DETAIL

NO SCALE

NOTES:

1. INSTALL 2000LB TENSILE STRENGTH BRAIDED POLYPROPYLENE PULLCORD IN ALL CONDUITS.
2. TRENCHING AND BACKFILL ACCORDING TO SPECIFICATIONS.
3. MINIMUM OF 4'-0" CLEAR BETWEEN ADJACENT DUCTBANKS.
4. DOWEL ENDS OF DUCTBANK TO FOUNDATION OR MANHOLE WITH A MINIMUM OF (4) #4 DOWELS.
5. PROVIDE (3) MAXCELL #MXE52224, 4-CELL INNERDUCTS IN EACH 4" CONDUIT.

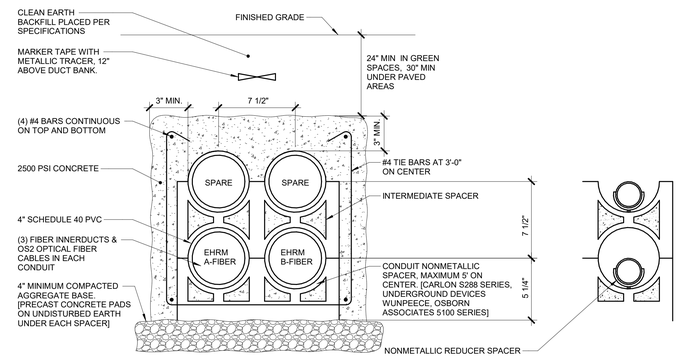


9 CORE A or CORE B DUCT BANK DETAIL

NO SCALE

NOTES:

1. INSTALL 2000 lb TENSILE STRENGTH BRAIDED POLYPROPYLENE PULL CORD IN ALL CONDUITS.
2. TRENCHING AND BACKFILL ACCORDING TO SPECIFICATIONS.
3. MINIMUM OF 4'-0" CLEAR BETWEEN ADJACENT DUCTBANKS.
4. DOWEL ENDS OF DUCTBANK TO FOUNDATION OR MANHOLE WITH A MINIMUM OF (4) #4 DOWELS.
5. PROVIDE (3) MAXCELL #MXE52224, 4-CELL INNERDUCTS IN EACH 4" CONDUIT.



10 CORE A and CORE B DUCT BANK DETAIL

NO SCALE

NOTES:

1. INSTALL 2000 lb TENSILE STRENGTH BRAIDED POLYPROPYLENE PULL CORD IN ALL CONDUITS.
2. TRENCHING AND BACKFILL ACCORDING TO SPECIFICATIONS.
3. MINIMUM OF 4'-0" CLEAR BETWEEN ADJACENT DUCTBANKS.
4. DOWEL ENDS OF DUCTBANK TO FOUNDATION OR MANHOLE WITH A MINIMUM OF (4) #4 DOWELS.
5. PROVIDE (3) MAXCELL #MXE52224, 4-CELL INNERDUCTS IN EACH 4" CONDUIT.

Revisions:	Date:

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ARCHITECT/ENGINEER OF RECORD

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SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 203
KENT, WA 98032
SDB SPEESDESIGNBUILD

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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Eddie C. Willis, Jr.
Rcc No. 19156CR
Expires 12-31-2025
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TECHNOLOGY DETAILS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Building Number
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	Drawing Number: T-400

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VAHampton
EHRM/509-700 CAMPUS_T_R21.rvt
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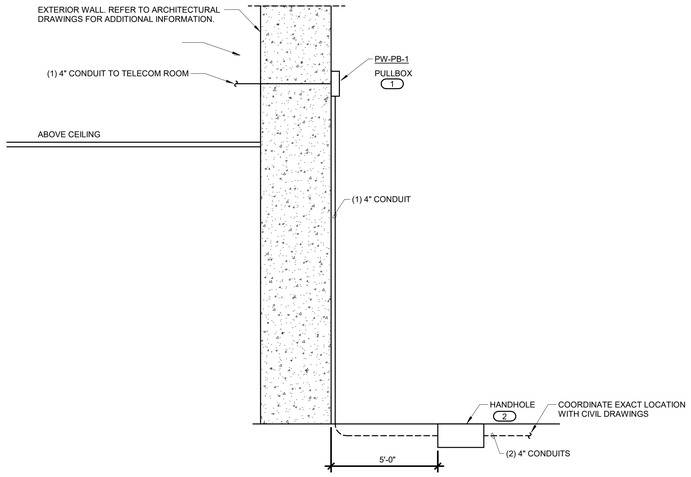


1 EXTERIOR PATHWAY DETAIL

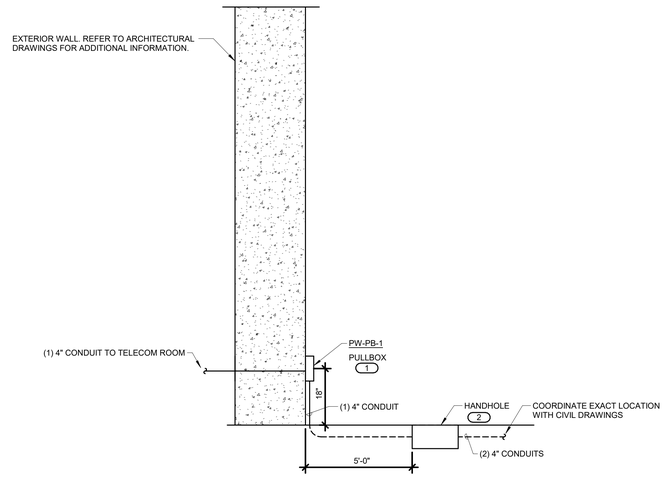
NO SCALE

NOTES:

1. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF HANDHOLES.

KEYNOTES: #

1. CONTRACTOR SHALL FIELD VERIFY PULLBOX ELEVATION TO ROUTE CONDUITS INTO BUILDING ABOVE FINISHED CEILING.
2. REFER TO 2/T400 EXTERIOR HAND HOLE DETAIL FOR ADDITIONAL INFORMATION.



2 EXTERIOR PATHWAY DETAIL (LOW HEIGHT)

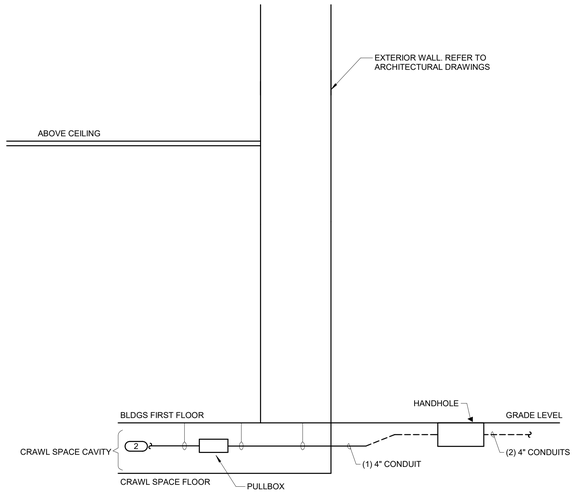
NO SCALE

NOTES:

1. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF HANDHOLES.

KEYNOTES: #

1. CONTRACTOR TO COORDINATE JUNCTION BOX ELEVATIONS.
2. REFER TO 2/T400 EXTERIOR HAND HOLE DETAIL FOR ADDITIONAL INFORMATION.

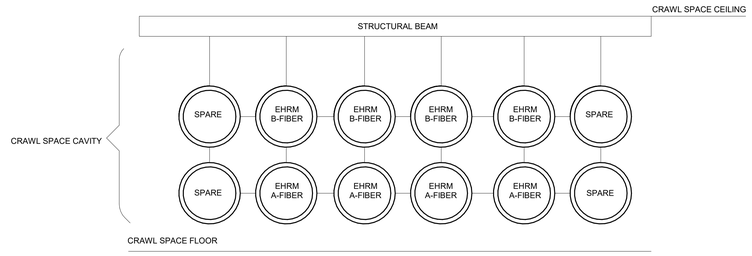


3 EXTERIOR PATHWAY DETAIL (CRAWL SPACE)

NO SCALE

KEYNOTES:

1. ROUTE CONDUITS THROUGH CRAWL SPACES SUSPENDED ABOVE FLOOR AND SUPPORTED BY BEAM CLAMPS, PIPE COLLARS AND SPACERS.
2. ROUTE CONDUIT THROUGH CRAWL SPACE TO CONDUIT STUB UP LOCATION. REFER TO INTERIOR FLOOR PLANS FOR STUB UP LOCATIONS.



4 EXTERIOR PATHWAY DETAIL (BLDG 146 CRAWL SPACE SECTION)

NO SCALE

NOTES:

1. ROUTE CONDUITS THROUGH CRAWL SPACES SUSPENDED ABOVE FLOOR AND SUPPORTED BY BEAM CLAMPS, PIPE COLLARS AND SPACERS.
2. IN BLDG 146 CRAWL SPACE, ROUTE CONDUIT IN A (2) x (6) CONDUIT STACK. ADJUST CONDUIT ARRANGEMENT TO (1) x (12) OR (3) x (4) CONDUIT STACK AS REQUIRED TO ROUTE THROUGH CRAWL SPACE.

Revisions:	Date:

CONSULTANT

ENGINEERING DISCIPLINE:

IMEG
www.imegcorp.com
225 W WASHINGTON STREET
SUITE 2700
CHICAGO, IL 60606
P: 312.294.0501 F: 312.294.0003
PROJECT #22010109.00

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TECHNOLOGY DETAILS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: T-401
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	711 of 713

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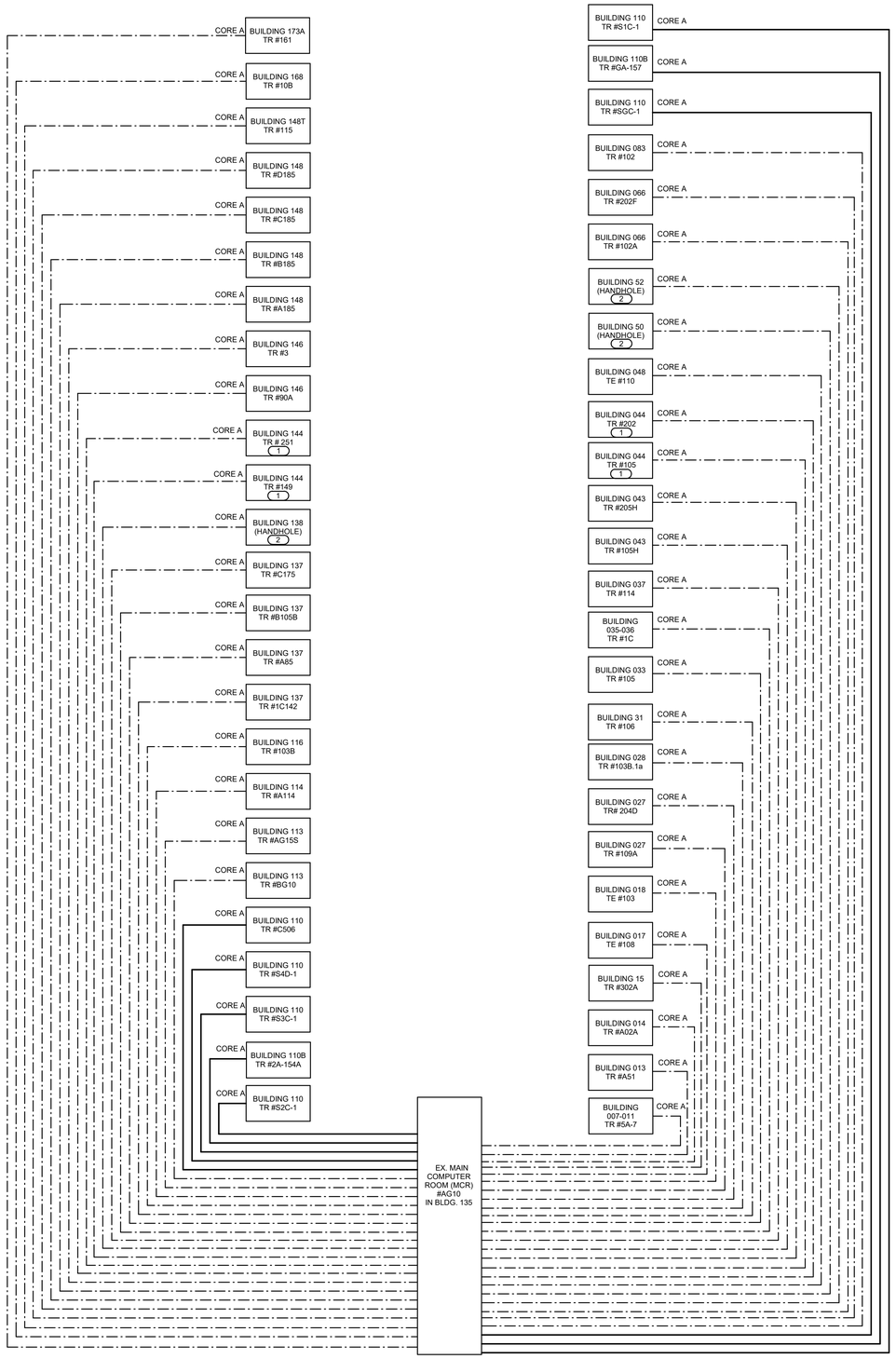

1 SITE FIBER RISER DIAGRAM - CORE A

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. REFER TO RISER DIAGRAMS OF INDIVIDUAL BUILDINGS FOR ADDITIONAL INFORMATION. REFER TO FLOOR PLANS AND SITE PLAN FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. SOLID LINE REPRESENTS 24 STRANDS OM4 AND 12 STRANDS OS1 HYBRID FIBER OPTIC CABLE, CORE "A".
3. DASHED LINE REPRESENTS 24 STRANDS OS2 FIBER OPTIC CABLE, CORE "A".

KEYNOTES:

1. BUILDINGS #44 AND #144 TELECOM ROOMS (TR) ARE EXISTING TO REMAIN. T.C. SHALL PROVIDE NEW OPTICAL FIBER CABLES AS INDICATED. ROUTE FIBER TO EXISTING FIBER DISTRIBUTION HOUSING IN EXISTING RACK. TERMINATE OPTICAL FIBER CABLES WITH NEW LC CASSETTES.
2. NEW BUILDINGS ARE BEING CONSTRUCTED FOR EXISTING BUILDINGS 50, 52 AND 138. CONTRACTOR SHALL COIL NEW FIBER BACKBONE CABLES IN WEATHERPROOF BAG OR MATERIAL IN NEW HANDHOLES NEAR EXISTING BUILDINGS. NEW FIBER BACKBONE CABLES SHALL BE ROUTE TO TR IN , RESPECTIVE, NEW BUILDINGS AND TERMINATED UNDER A SEPARATE CONTRACT.

Revisions:	Date:

CONSULTANT

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Drawing Title	Phase	Project Title	Project Number
TECHNOLOGY DIAGRAMS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - HAMPTON	509-22-700
			Building Number
Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number: T-500
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	712 of 713

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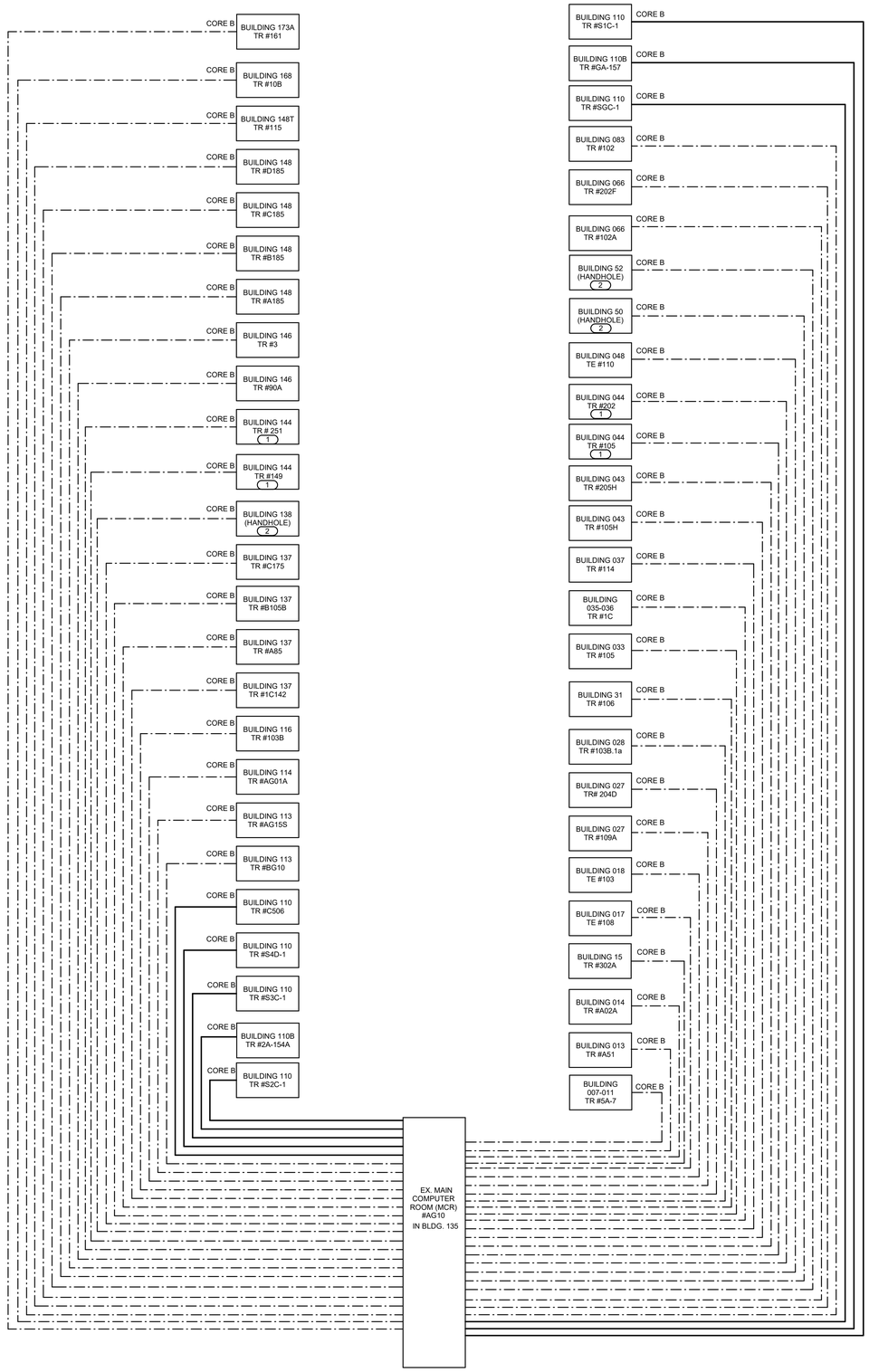

1 SITE FIBER RISER DIAGRAM - CORE B

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. REFER TO RISER DIAGRAMS OF INDIVIDUAL BUILDINGS FOR ADDITIONAL INFORMATION. REFER TO FLOOR PLANS AND SITE PLAN FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. SOLID LINE REPRESENTS 24 STRANDS OM4 AND 12 STRANDS OS1 HYBRID FIBER OPTIC CABLE, CORE "B".
3. DASHED LINE REPRESENTS 24 STRANDS OS2 FIBER OPTIC CABLE, CORE "B".

KEYNOTES:

1. BUILDINGS #44 AND #144 TELECOM ROOMS (TR) ARE EXISTING TO REMAIN. T.C. SHALL PROVIDE NEW OPTICAL FIBER CABLES AS INDICATED. ROUTE CABLES TO EXISTING FIBER DISTRIBUTION HOUSING IN EXISTING RACK. TERMINATE OPTICAL FIBER CABLES WITH NEW LC CASSETTES.
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Approved:	FULLY SPRINKLERED	Location: HAMPTON VA MEDICAL CENTER, HAMPTON, VIRGINIA	Drawing Number
		Issue Date: 05/09/2025 · Checked: EW · Drawn: IMEG	T-501
			713 of 713

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