ABBREVIATIONS

1PH	SINGLE-PHASE
1P	SINGLE POLE
2/C	TWO-CONDUCTOR
3/C	THREE-CONDUCTOR
3PH	THREE-PHASE
4/C	FOUR-CONDUCTOR
4W	FOUR-WIRE
A/C	AIR CONDITIONING UNIT
A/E	ARCHITECT/ENGINEER
AAP	ALARM ANNUNCIATOR PANEL
AC	ALTERNATING CURRENT OR ARMORED CABLE
ACC	ACCESSIBLE
ADDL	ADDITIONAL
ADJ	ADJACENT, ADJOINING
AF	AMPERE FRAME OR AMP FUSE
AFC	ABOVE FINISHED COUNTER, AUTOMATIC FREQUENCY CONTROL, OR AVAILABLE FAULT CURRENT
AFCI	ARC-FAULT CURRENT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AMPERE HOUR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
ALT	ALTERNATE
AMB	AMBIENT
AMP	AMPERE
ARCH	ARCHITECT
ASC	AMPS SHORT CIRCUIT
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
BAT	BATTERY
BD	BOARD
BFF	BELOW FINISH FLOOR
BLDG	BUILDING
BRKR	BREAKER
BYP	BY PASS
C	CONDUIT
CAB	CABINET
CALC	CALCULATE
CAP	CAPACITY
CAT	CATALOG
CATV	COMMUNITY ANTENNA TELEVISION
CCR	CONTROL CONTACTOR
CCTV	CLOSED CIRCUIT TELEVISION
CD	CANDELA
CD	CONSTRUCTION DOCUMENTS
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED
CFE	CONTRACTOR FURNISHED EQUIPMENT
CHW	CHILLED WATER
CHWP	CHILLED WATER PUMP
CKT	CIRCUIT
C/B	CIRCUIT BREAKER
CL	CONNECTOR LIGHTING
CLF	CURRENT LIMITING FUSE
CLG	CEILING
CO	CONDUIT ONLY
COAX	COAX CABLE
COMM	COMMUNICATION
COMPT	COMPARTMENT
CONC	CONCRETE
CONT	CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CPT	CONTROL POWER TRANSFORMER
CRI	COLOR RENDERING INDEX
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
CUR	CURRENT
DB	DECIBEL
DC	DIRECT CURRENT
DCP	DIMMER CONTROL PANEL
DDC	DIRECT DIGITAL CONTROLS
DEG C	DEGREES CELSIUS
DEG F	DEGREES FAHRENHEIT
DEMO	DEMOLITION
DIAG	DIAGRAM
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
DMR SW	DIMMER SWITCH
DPDT	DOUBLE POLE, DOUBLE THROW
DPST	DOUBLE POLE, SINGLE THROW
DRSW	DOOR SWITCH
DS	DISCONNECT SWITCH
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION OR EXISTING TO BE RELOCATED
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
EMER/EM	EMERGENCY
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
EN	EXISTING IN NEW LOCATION
ENCL	ENCLOSURE
EPO	EMERGENCY POWER OFF
EPRF	EXPLOSION PROOF
ER	EXISTING TO REMAIN
ESMT	EASEMENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXIST(E)	EXISTING
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FCIO	FURNISHED BY CONTRACTOR, INSTALLED BY OWNER
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLUOR	FLUORESCENT
FP	FIRE PROTECTION
FT	FEET OR FOOT
FU SW	FUSED SWITCH
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
G	ELECTRICAL GROUND
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HT	HEIGHT
HZ	HERTZ
IG	ISOLATED GROUND
IESNA	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
IR	INFRARED
IWH	INSTANTANEOUS WATER HEATER
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAH	KILOVOLT AMPERE PER HOUR
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
KWHM	KILOWATT HOUR METER
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET (FOOT)
LP	LIGHT POLE
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LT	LIGHT
LTG	LIGHTING
LTG PNL	LIGHTING PANEL
LTNG	LIGHTNING
LV	LOW VOLTAGE
MAX	MAXIMUM
MC	METAL-CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MLO	MAIN LUGS ONLY
MS	MOTOR STARTER
MT	MOUNT
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE
MVA	MEGAVOLT-AMPERE
MW	MEGAWATT
NA	NOT APPLICABLE
NAC	NOTIFICATION APPLIANCE CABINET
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT, N	NEUTRAL
NFC	NOT FOR CONSTRUCTION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OL	OVERLOAD
OS	OCCUPANCY SENSOR
P	POLE
PB	PULL BOX
PEC	PHOTOELECTRIC CELL
PED	PEDESTAL
PEND	PENDANT
PIV	POST INDICATOR VALVE
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PS	POWER SUPPLY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE (PLASTIC)
PWR	POWER
R	EXISTING TO BE REMOVED
RCP	REFLECTED CEILING PLAN
REC	RECESSED
RECPT	RECEPTACLE
RM	ROOM
RMC	RIGID METAL CONDUIT
RMS	ROOT MEAN SQUARE
REQD	REQUIRED
SAC	SMALL APPLIANCE CIRCUIT
SCC	SHORT CIRCUIT CAPACITY
SD	SMOKE DETECTOR
SF	SQUARE FOOT (FEET)
SHT	SHEET
SI	INTERNATIONAL SYSTEM OF UNITS
SM	SMART METER
SPD	SURGE PROTECTIVE DEVICE
SPEC	SPECIFICATION
SPST	SINGLE POLE, SINGLE THROW
SURF	SURFACE
SW	SWITCH
SWBD OR SB	SWITCHBOARD
SWGR OR SG	SWITCHGEAR
TEL	TELEPHONE
TR	TAMPER RESISTANT
TV	TELEVISION
TYP	TYPICAL
UFD	UNDERFLOOR DUCT
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER POWER SUPPLY
UTIL	UTILITY
V	VOLT
VA	VOLT AMPERE
VAR	VOLT AMPERE REACTIVE
VFD	VARIABLE FREQUENCY DRIVE
VOLT	VOLTAGE
W	WATT/WEATHERPROOF (WHILE IN USE)
WH	WATER HEATER
WP/W	WEATHERPROOF
XFER	TRANSFER
XFMR	TRANSFORMER

GENERAL NOTES

1. THESE "GENERAL NOTES" SHALL APPLY TO ALL DRAWINGS WITHIN THIS DRAWING SET.
2. WHERE THE SPECIFICATIONS OR DRAWINGS CONFLICT WITH EACH OTHER THE MORE STRINGENT CRITERIA/SCOPE OF WORK SHALL BE REQUIRED.
3. BLACKENED OR BOLDED EQUIPMENT INDICATES THE EQUIPMENT SHALL BE PROVIDED OR MODIFIED, CONTRACTOR FURNISHED CONTRACTOR INSTALLED, UNLESS OTHERWISE NOTED.
4. ALL TELECOMMUNICATIONS SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE BICSI AND TIA/EIA STANDARDS.
5. ALL CONDUIT, SLEEVES AND PATHWAYS SHALL BE FREE OF DEBRIS OR BLOCKAGES. ALL FIELD CUT RAW EDGES SHALL BE DEBURRED BY THE INSTALLING CONTRACTOR. ALL CONDUITS THAT FEED CATEGORY 6A CABLE TO A WORK ARE OUTLET BOX SHALL HAVE A PLASTIC BUSHING PLACED ON THE END OF THE CONDUIT.
6. ALL BLOCKS, PANELS, AND CABLE SHALL BE ASSIGNED, LABELED, AND RECORDED BY THE CONTRACTOR AND DELIVERED TO THE ENGINEER.
7. ALL DATA CABLING AND ASSOCIATED RACEWAY INSTALLATIONS AND LAYOUTS SHALL BE COORDINATED WITH ALL OBSTACLES, EQUIPMENT, AND ARCHITECTURAL FEATURES. REPORT ANY MAJOR DEVIATIONS TO CONSTRUCTION MANAGER FOR APPROVAL.
8. ALL RACEWAYS SHALL BE PROVIDED WITH A 12 AWG GROUNDING CONDUCTOR UNLESS OTHERWISE NOTED.
9. MINIMUM CONDUIT SIZE SHALL BE 4 " IN DIAMETER FOR EXTERIOR AND UNDERGROUND CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4 " IN DIAMETER FOR INTERIOR CONDUIT. ALL CONDUIT SHALL BE CONCEALED. THE ABOVE COMMENTS SHALL BE ADHERED TO UNLESS OTHERWISE NOTED ON THE DRAWINGS.
10. ALL LOW-VOLTAGE CABLING SHALL NOT BE INSTALLED IN ELECTRICAL BRANCH OR FEEDER CIRCUIT RACEWAYS.
11. ALL EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, LOW-VOLTAGE EQUIPMENT, DATA OUTLETS, CABLING, AND SPECIAL SYSTEM DEVICES, SHALL HAVE THEIR EXACT LOCATION COORDINATED WITH ARCHITECTURAL DRAWINGS AND ALL TRADES PRIOR TO INSTALLATION.
12. COORDINATE WITH DOOR SECURITY MANUFACTURER FOR ALL ACCESS CONTROL EQUIPMENT AND APPURTENANCES; PROVIDE ANY ADDITIONAL MOTION SENSORS, REQUEST-TO-EXIT BUTTONS, DOOR POSITION SENSORS, OR OTHER HARDWARE AS REQUIRED. ALL CONDUIT, WIRE, POWER SUPPLIES, AND APPURTENANCES REQUIRED FOR THE ACCESS CONTROL SYSTEM SHALL BE PROVIDED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM. .
13. ALL RACEWAY AND/OR SLEEVE FLOOR AND WALL PENETRATIONS SHALL BE SEALED WITH FIRE RATED ASSEMBLIES, CAULKING, AND APPURTENANCES. ELECTRICAL BOXES LOCATED IN FIRE RATED WALLS SHALL BE RATED FOR USE IN FIRE RATED WALLS.
14. ALL EQUIPMENT AND INSTALLATION METHODS SHALL BE LISTED AND LABELED PER NEC, UL LISTED, OR REVIEWED EQUAL.
15. FOR ALL EQUIPMENT, COORDINATE WITH ALL TRADES (ARCHITECTURAL, MECHANICAL, PLUMBING, ETC) FOR ELECTRICAL AND LOW-VOLTAGE REQUIREMENTS AND INSTALLATION LOCATIONS PRIOR TO INSTALLATION.
16. FOR ANY EXISTING WALL MOUNTED DEVICES THAT REQUIRE MODIFICATION OR REPLACEMENT THAT DO NOT HAVE RACEWAY FROM DEVICE TO ACCESSIBLE CEILING SPACE, PROVIDE MINIMUM 3/4"C ROUTED FROM DEVICE THROUGH WALL INTO THE ACCESSIBLE CEILING SPACE. CABLING SHALL NOT BE ROUTED IN WALLS OR IN AN INACCESSIBLE LOCATION WITHOUT CONDUIT. .
17. NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED, OR NOTCHED WITHOUT PRIOR WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER OR ARCHITECT.
18. FOR EXISTING EQUIPMENT, SUCH AS LOW-VOLTAGE DEVICES, WIRING DEVICES, CONDUITS, ETC., SHOWN ON PLANS TO BE REMOVED, COMPLETELY CUT/CAP CONDUITS AT THE AREA OF WORK PERIMETER AND REMOVE CONDUIT WITHIN THE WORK AREA, DISCONNECT CABLING FROM THE DEVICE BEING REMOVED AND COMPLETELY REMOVE CABLING FROM ABANDONED CONDUITS BACK TO SOURCE.
19. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL RACEWAYS AND CABLING PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.
20. CONTRACTOR SHALL PROVIDE, INSTALL, AND TERMINATE HORIZONTAL CAT6A CABLING FROM EACH WORK AREA OUTLET (WAO) TO ITS RESPECTIVE TELECOMMUNICATIONS ROOM (TR) DATA RACK, UNLESS OTHERWISE NOTED.
21. PRIOR TO INSTALLING NEW CABLING, ALL EXISTING CABLES SHALL BE SEGREGATED INTO DIFFERENT GROUP TYPES; ONCE SEPARATED, CONTRACTOR SHALL DETERMINE WHICH CABLES SHALL BE REMOVED AND WHICH SHALL REMAIN. DEMOLISH ALL CABLES TO BE REMOVED BACK TO SOURCE IN ITS ENTIRETY, UNLESS OTHERWISE NOTED.
22. ONCE CONSTRUCTION IS COMPLETED, CONTRACTOR SHALL PROVIDE REDLINED/RECORD DRAWINGS OF COMPLETE PROJECT TO CLIENT AND ENGINEER FOR REVIEW AND APPROVAL.
23. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
24. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT DEVICES AND ASSOCIATED RACEWAYS AS REQUIRED TO COORDINATE THE PROJECT SCOPE OF WORK (DEMOLITION AND NEW INSTALLATIONS).
25. 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.
26. CONTRACTOR SHALL COORDINATE ALL CATEGORY 6A AND FIBER OPTIC LOCATIONS AND PATHWAYS WITH THE AE PRIOR TO THE START OF ANY WORK. ONCE ALL LOCATIONS ARE CONFIRMED BY ALL PARTIES, THE CONTRACTOR SHALL PROVIDE TO THE AE COPIES OF THE DRAWINGS SIGNED BY A CONTRACTORS AUTHORIZED AGENT. THESE DOCUMENTS SHALL BE PROVIDED TO THE ELECTRICAL CONTRACTOR FOR COORDINATION.
27. THE INSTALLATION OF ALL COMMUNICATIONS PATHWAYS, SLEEVES AND CABLE TRAYS SHALL BE LAID OUT BY THE CONTRACTOR AND SUBMITTED TO THE AE FOR APPROVAL PRIOR TO ANY WORK. DRAWINGS SHALL SHOW PROPOSED ROUTES THAT WILL NOT CONFLICT WITH OTHER TRADES SUCH AS HVAC, ELECTRICAL AND ARCHITECTURAL.
28. THE DATA CENTER SHALL HAVE AN ALPHA-NUMERIC GRID ANNOTATED ON THE WALLS IN ACCORDANCE WITH ANSI/TIA 606-C. STARTING IN THE NORTHWEST CORNER WORKING THE ALPHABET LEFT TO RIGHT AND NUMBERS TOP TO BOTTOM IN 24-INCH INCREMENTS USING BLACK LETTERS AND NUMBERS FOUR INCHES MINIMUM IN HEIGHT NOT PLACED MORE THAN SIX INCHES BELOW THE CEILING. (REFER TO TN507 FOR EXAMPLES)
29. All SSTV AND ACCESS CONTROL SYSTEMS WILL BE INSTALLED AND MAINTAINED BY A CERTIFIED INSTALLER FOR EACH SPECIFIC SYSTEM.
30. ALL CEILING TILES WILL BE REINSTALLED AT THE END OF EACH WORK SHIFT.
31. ALL FIRE RATED PENETRATIONS WILL HAVE PROPER TEMPORARY FIRESTOP INSTALLED AT THE END OF EACH SHIFT AND UNTIL PERMANENT FIRESTOPPING IS COMPLETE.
32. ANY ACTIVE ANALOG PORT WILL BE PHASED. REFER TO TN506 CALL OUT 3.
33. GROUNDING & BONDING: AN ANTIOXIDANT SHALL BE USED ON ALL MECHANICAL CONNECTIONS AND TERMINATIONS.
34. DEMO'D TR'S SUPPORTING EXISTING/REMAINING SYSTEMS – COPPER & FIBER PHASING.
    - COPPER: CONTRACTOR TO PULL (12) CAT6A CABLES FROM DEMO'D TR TO NEW TR. TERMINATE, TEST AND COIL UP ON BOTH ENDS.
    - FIBER: CONTRACTOR TO PULL (12-STRAND OM4 AND 12-STRAND SM FROM DEMO'D TR TO NEW TR. TERMINATE WITH LC CONNECTORS ON NEW TR END. MATCH CONNECTOR TYPE WITH EXISTING EQUIPMENT ON DEMO'D TR END. TEST AND COIL UP ON BOTH ENDS.
35. FOR DEMO'D WAO'S THAT WON'T BE REPLACED: CABLE WILL BE REMOVED BACK TO THE SOURCE, A BLANK FACEPLATE WILL BE INSTALLED OVER THE DEMO 'S BOX. CONDUIT WILL REMAIN.
36. THE CONTRACTOR SHALL INSTALL FIBER OPTIC CABLES, CONDUITS AND CABLE TRAYS PER THE MANUFACTURER 'S INSTALLATION REQUIREMENTS AND IN ACCORDANCE WITH ALL TIA AND BICSI TDMM EDITION 15 STANDARDS AND BEST PRACTICES FOR SEPARATION DISTANCE FROM SOURCES OF RFI AND EMI INTERFERENCE.
37. THE CONTRACTOR SHALL PROVIDE ALL COPPER CATEGORY 6A PATCH CORDS FOR ALL TRS IN SCOPE. TR CATEGORY 6A PATCH CORDS SHALL BE 50% 3 FEET IN LENGTH AND 50% 5 FEET IN LENGTH. 28 AWG STRANDED PATCH CORDS ARE NOT ALLOWED. CONTRACTOR SHALL PROVIDE 48 CATEGORY 6A PATCH CORDS FOR EACH 48-PORT SWITCH. JACKET COLORS SHALL BE BLUE OR WHITE. CONTRACTOR SHALL ALSO PROVIDE FIBER OPTIC PATCH CABLES (JUMPERS) FOR ALL FIBER OPTIC CABLES TERMINATED IN THE TRS. THESE CABLES MUST MATCH THE FIBER TYPE, OM4, OS1 AND OS2. FIBER OPTIC PATCH CABLES SHALL BE JACKETED WITH TWO (2) STRANDS EACH AND BE FACTORY TERMINATED WITH LC STYLE CONNECTORS. THE QUANTITY OF FIBER OPTIC PATCH CORDS SHALL MATCH THE NUMBER OF STRANDS TO EACH TR. FOR EXAMPLE, A TR HAVING 24 STRANDS OF OM4 FIBER OPTIC CABLE SHALL HAVE 12 OM4 FIBER OPTIC PATCH CABLES. IN THE TRS THE FIBER OPTIC PATCH CORDS WILL BE 5 FEET IN LENGTH AND BE JACKETED AS FOLLOWS: OM4 AQUA, OS1 AND OS2 YELLOW.
38. THE CONTRACTOR SHALL PROVIDE ALL FACTORY TERMINATED CATEGORY 6A CABLES IN QUANTITIES LISTED IN THE DRAWINGS WITHIN THE MCR. 28 AWG STRANDED PATCH CORDS ARE NOT ACCEPTABLE. CABLE LENGTHS SHALL BE DETERMINED BY THE CONTRACTOR AFTER ALL CABINETS AND WIRE MANAGEMENT HAVE BEEN INSTALLED. CABLES SHALL HAVE AS LITTLE SLACK AS POSSIBLE, AND THAT SLACK SHALL BE CONTAINED WITHIN THE VERTICAL WIRE MANAGERS. CABLE JACKET COLORS SHALL BE BLUE OR WHITE. CONTRACTOR SHALL PROVIDE ALL FACTORY TERMINATED FIBER OPTIC PATCH CABLES REQUIRED AS LISTED IN THE DRAWINGS FOR THE MCR. THESE FIBER OPTIC CABLES, SHALL MATCH THE FIBER OPTIC CABLE TYPE. THESE CABLE TYPES ARE OM4, OS1 AND OS2. EACH PATCH CORD SHALL BE JACKETED TO MATCH THE FIBER TYPE, OM4 AQUA, OS1 AND OS2 YELLOW. EACH FIBER OPTIC PATCH CORD SHALL CONSIST OF TWO STRANDS OF THE CORRECT FIBER TYPE TERMINATED ON LC STYLE CONNECTORS. FIBER OPTIC PATCH CORD LENGTHS SHALL NOT HAVE IN EXCESS OF 1 FOOT OF SLACK ON EACH END.

SHEET INDEX

TNG001 - ABBREVIATIONS, GENERAL NOTES, AND SHEET INDEX
TNG002 - TELECOMMUNICATIONS LEGENDS
TNG003 - ABBREVIATIONS, GENERAL NOTES, AND SHEET INDEX
01TN100Sa - BLDG 01 - LEVEL 00S - AREA A - TELECOMMUNICATIONS PLAN
01TN100Sb - BLDG 01 - LEVEL 00S - AREA B - TELECOMMUNICATIONS PLAN
01TN100Ba - BLDG 01 - LEVEL 00B - AREA A - TELECOMMUNICATIONS PLAN
01TN100Bb - BLDG 01 - LEVEL 00B - AREA B - TELECOMMUNICATIONS PLAN
01TN100Ga - BLDG 01 - LEVEL 00G - AREA A - TELECOMMUNICATIONS PLAN
01TN100Gb - BLDG 01 - LEVEL 00G - AREA B - TELECOMMUNICATIONS PLAN
01TN101a - BLDG 01 - LEVEL 01 - AREA A - TELECOMMUNICATIONS PLAN
01TN101b - BLDG 01 - LEVEL 01 - AREA B - TELECOMMUNICATIONS PLAN
01TN102a - BLDG 01 - LEVEL 02 - AREA A - TELECOMMUNICATIONS PLAN
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01TN102.5 - BLDG 01 - LEVEL 02.5 - TELECOMMUNICATIONS PLAN
01TN103a - BLDG 01 - LEVEL 03 - AREA A - TELECOMMUNICATIONS PLAN
01TN103b - BLDG 01 - LEVEL 03 - AREA B - TELECOMMUNICATIONS PLAN
01TN104a - BLDG 01 - LEVEL 04 - AREA A - TELECOMMUNICATIONS PLAN
01TN104b - BLDG 01 - LEVEL 04 - AREA B - TELECOMMUNICATIONS PLAN
01TN105a - BLDG 01 - LEVEL 05 - AREA A - TELECOMMUNICATIONS PLAN
01TN105b - BLDG 01 - LEVEL 05 - AREA B - TELECOMMUNICATIONS PLAN
01TN106a - BLDG 01 - LEVEL 06 - AREA A - TELECOMMUNICATIONS PLAN
01TN106b - BLDG 01 - LEVEL 06 - AREA B - TELECOMMUNICATIONS PLAN
01TN107 - BLDG 01 - LEVEL 07 - TELECOMMUNICATIONS PLAN
01TN108 - BLDG 01 - LEVEL 08 - TELECOMMUNICATIONS PLAN
01TN109 - BLDG 01 - LEVEL 09 - TELECOMMUNICATIONS PLAN
01TN110 - BLDG 01 - LEVEL 10 - TELECOMMUNICATIONS PLAN
01TN111 - BLDG 01 - LEVEL 11 - TELECOMMUNICATIONS PLAN
02TN100B - BLDG 02 - LEVEL 00B - TELECOMMUNICATIONS PLAN
02TN100G - BLDG 02 - LEVEL 00G - TELECOMMUNICATIONS PLAN
02TN101 - BLDG 02 - LEVEL 01 - TELECOMMUNICATIONS PLAN
02TN102 - BLDG 02 - LEVEL 02 - TELECOMMUNICATIONS PLAN
16TN101 - BLDG 16 - LEVEL 01 - TELECOMMUNICATIONS PLAN
ROMETN100 - BLDG ROME - LEVEL 00 - TELECOMMUNICATIONS PLAN
01TN402a - BLDG 01 - LEVEL 02 - ENLARGED TELECOMMUNICATIONS PLANS
01TN400Ba - BLDG 01 - LEVEL 00B - ENLARGED TELECOMMUNICATIONS PLANS
01TN400Bb - BLDG 01 - LEVEL 00B - ENLARGED TELECOMMUNICATIONS PLANS
01TN400Bc - BLDG 01 - LEVEL 00B - ENLARGED TELECOMMUNICATIONS PLANS
01TN400Ga - BLDG 01 - LEVEL 00G - ENLARGED TELECOMMUNICATIONS PLANS
01TN400Gb - BLDG 01 - LEVEL 00G - ENLARGED TELECOMMUNICATIONS PLANS
01TN400Gc - BLDG 01 - LEVEL 00G - ENLARGED TELECOMMUNICATIONS PLANS
01TN400Gd - BLDG 01 - LEVEL 00G - ENLARGED TELECOMMUNICATIONS PLANS
01TN400Ge - BLDG 01 - LEVEL 00G - ENLARGED TELECOMMUNICATIONS PLANS
01TN401a - BLDG 01 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
01TN401b - BLDG 01 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
01TN401c - BLDG 01 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
01TN401d - BLDG 01 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
01TN402b - BLDG 01 - LEVEL 02 - ENLARGED TELECOMMUNICATIONS PLANS
01TN402c - BLDG 01 - LEVEL 02 - ENLARGED TELECOMMUNICATIONS PLANS
01TN402d - BLDG 01 - LEVEL 02 - ENLARGED TELECOMMUNICATIONS PLANS
01TN402.5 - BLDG 01 - LEVEL 02.5 - ENLARGED TELECOMMUNICATIONS PLANS
01TN403a - BLDG 01 - LEVEL 03 - ENLARGED TELECOMMUNICATIONS PLANS
01TN403b - BLDG 01 - LEVEL 03 - ENLARGED TELECOMMUNICATIONS PLANS
01TN404a - BLDG 01 - LEVEL 04 - ENLARGED TELECOMMUNICATIONS PLANS
01TN404b - BLDG 01 - LEVEL 04 - ENLARGED TELECOMMUNICATIONS PLANS
01TN404c - BLDG 01 - LEVEL 04 - ENLARGED TELECOMMUNICATIONS PLANS
01TN405a - BLDG 01 - LEVEL 05 - ENLARGED TELECOMMUNICATIONS PLANS
01TN405b - BLDG 01 - LEVEL 05 - ENLARGED TELECOMMUNICATIONS PLANS
01TN406a - BLDG 01 - LEVEL 06 - ENLARGED TELECOMMUNICATIONS PLANS
01TN406b - BLDG 01 - LEVEL 06 - ENLARGED TELECOMMUNICATIONS PLANS
01TN406c - BLDG 01 - LEVEL 06 - DATA CENTER - TELECOMMUNICATIONS PLAN
01TN406d - BLDG 01 - LEVEL 06 - DATA CENTER - HORIZONTAL DISTRIBUTION OVERHEAD PLAN
01TN406e - BLDG 01 - LEVEL 06 - DATA CENTER - FIBER BACKBONE OVERHEAD PLAN
01TN407a - BLDG 01 - LEVEL 07 - ENLARGED TELECOMMUNICATIONS PLANS
01TN407b - BLDG 01 - LEVEL 07 - ENLARGED TELECOMMUNICATIONS PLANS
01TN408a - BLDG 01 - LEVEL 08 - ENLARGED TELECOMMUNICATIONS PLANS
01TN408b - BLDG 01 - LEVEL 08 - ENLARGED TELECOMMUNICATIONS PLANS
01TN409a - BLDG 01 - LEVEL 09 - ENLARGED TELECOMMUNICATIONS PLANS
01TN409b - BLDG 01 - LEVEL 09 - ENLARGED TELECOMMUNICATIONS PLANS
02TN400B - BLDG 02 - LEVEL 00B - ENLARGED TELECOMMUNICATIONS PLANS
16TN401 - BLDG 16 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
ROMETN400 - BLDG ROME - LEVEL 00 - ENLARGED TELECOMMUNICATIONS PLANS
TN501 - TELECOMMUNICATIONS DETAILS
TN502 - TELECOMMUNICATIONS DETAILS
TN503 - TELECOMMUNICATIONS DETAILS
TN504 - TELECOMMUNICATIONS DETAILS
TN505 - TELECOMMUNICATIONS DETAILS
TN506 - TELECOMMUNICATIONS DETAILS
TN701 - TELECOMMUNICATIONS SCHEDULES

Revisions: | Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
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SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

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Approved:			Building Number: -
		Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: TNG001
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

GENERAL SYMBOL

SCALE
SECTION LETTER
SECTION A XXX
SHEET WHERE SECTION IS TAKEN FROM

SECTION LETTER A XXX
SHEET WHERE SECTION IS TAKEN FROM

DETAIL NUMBER 1 XXX
SHEET ON WHICH DETAIL APPEARS

DETAIL AREA

XXX CONDUIT & WIRE TAG (REFER TO CONDUIT AND WIRE SCHEDULE)

XX FAULT CURRENT TAG (3 PH, SYM AMPS)

1 KEY NOTE

IF PHOTO, ARROW DENOTES DIRECTION TAKEN

2 XXX FIGURE OR PHOTO DETAIL NUMBER
SHEET WHERE DETAIL IS TAKEN FROM

DETAIL/PLAN NUMBER

1 - DETAIL/PLAN

CONDUIT OR EQUIPMENT TO BE REMOVED

CONDUIT CONCEALED IN WALL, CEILING, UNDER FLOOR, IN FLOOR
SLAB, OR ROUTED UNDERGROUND

CONDUIT CONCEALED WHERE POSSIBLE, OTHERWISE EXPOSED

EXTRA-HARD USAGE FLEXIBLE CORD

FLEXIBLE CONDUIT

CONDUIT TURNED UP OR TOWARD

CONDUIT TURNED DOWN OR AWAY

CONDUIT CAPPED

P VERTICAL CEILING/STRUCTURE PENETRATION

P HORIZONTAL WALL/STRUCTURE PENETRATION

HORIZONTAL CABLE SLEEVE

VERTICAL CABLE SLEEVE

THESE ARE GENERAL LEGENDS. NOT ALL SYMBOLS MAY BE SHOWN.
REFERENCE PLANS FOR ALL UTILIZED SYMBOLS.

DIV 27 - LEGEND

DATA/COMMUNICATION

OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION

CATV — CABLE TELEVISION LINE = CATV

CCTV — CLOSED CIRCUIT TELEVISION LINE = CCTV. MINIMUM 1" [25mm] CONDUIT

FO — FIBEROPTICS LINE = FO

T — TELEPHONE LINE = T

I — INTERCOM LINE = I. MINIMUM 3/4" [19mm] CONDUIT.

S — SOUND LINE = S

NC — NURSE CALL LINE = NC. MINIMUM 3/4" [19mm] CONDUIT.

R — RADIO CONDUIT RUN, MINIMUM 3/4" [19mm] CONDUIT.

TELECOMMUNICATIONS MANHOLE

X Y Z
OUTLET TELEPHONE; "X" INDICATES NUMBER OF OUTLET PORTS. "Y" INDICATES AS FOLLOWS:
BLANK=EXISTING CONDUIT WITH NEW CAT6A CABLE
P=POLE/ PEDESTAL MOUNTED
F=FURNITURE MOUNTED
C=OUTLET WITH NEW CONDUIT INSTALLED, 3/4" MINIMUM UNLESS OTHERWISE STATED
"Z" INDICATES AS FOLLOWS:
J = JACK TYPE W = WALL TYPE A = ANALOG PORT

X Y X Y
OUTLET DATA OR VOIP TELEPHONE, "X" INDICATES NUMBER OF OUTLET PORTS. BOX AROUND SYMBOL INDICATES FLOOR MOUNTED. "Y" INDICATES AS FOLLOWS:
P = POLE/PEDESTAL MOUNTED
F = FURNITURE MOUNTED
C = OUTLET WITH NEW CONDUIT INSTALLED, 3/4" MINIMUM UNLESS OTHERWISE STATED

OUTLET; LETTER INDICATES AS FOLLOWS:
A = AUDIO V = VIDEO I = INTERCOM

X
SPEAKER, CEILING MOUNTED, "X" INDICATES THE TYPE, PROVIDE SCHEDULE ON LEGEND

X
SPEAKER, WALL MOUNTED, "X" INDICATES THE TYPE, PROVIDE SCHEDULE ON LEGEND. MTD. 7'-6" [2286mm] AFF UNLESS OTHERWISE NOTED.

R
RADIO CHANNEL SELECTOR FACILITIES, MTD. 4'-6" [1372mm] AFF UNLESS OTHERWISE NOTED.

R M
SPEAKER PROGRAM SELECTOR SWITCH & VOLUME CONTROL MTD. 4'-6" [1372mm] AFF UNLESS OTHERWISE NOTED.

M
OUTLET, TELEVISION
BLANK = 4 11/16" [119mm] MASTER ANTENNA OUTLET BOX W/BLANK COVER, MTD. 18" [457mm] AFF UNLESS OTHERWISE NOTED.
C = CAMERA (CCTV SYSTEM), MTD 18" [457mm] AFF
M = MONITOR (CTTV SYSTEM).

NCS
NURSE'S CALL MASTER STATION MTD ON NURSE'S COUNTER TOP UNLESS OTHERWISE NOTED.

NCT
NURSE CALL TERMINAL CABINET.

N 2
NURSE CALL STATION.
2 = DUPLICATE FACILITIES FOR TWO BEDS (SEPARATE INDICATORS AT MASTER STATION) MTD 5'-0" [1524mm] AFF UNLESS OTHERWISE NOTED.
D = DUTY STATION. MTD 5'-0" [1524mm] AFF UNLESS NOTED OTHERWISE.
E = MTD 6'-0" [1829mm] AFF FOR SHOWER LOCATION, MTD 4'-6" [1372mm] AFF FOR TUB LOCATION, & MTD 3'-0" [914mm] AFF FOR TOILET LOCATION.
P = PSYCHIATRIC CORRIDOR STATION WITH KEY SWITCH
S = AUDIO VISUAL MALL STATION (STAFF) MTD 5'-0" [1524mm] AFF UNLESS OTHERWISE NOTED.
U = UTILITY CALL STATION, MTD 5'-0" [1524mm] AFF UNLESS OTHERWISE NOTED.
3 = 3 - BUTTON EMERGENCY STATION. MTD 5'-0" AFF.

WAP X
WIRELESS ACCESS POINT.
"S" = STAFF; "G" = GUEST. IF NOTED LIKE THIS "S,G", CONTRACTOR SHALL PROVIDE (2) SEPARATE WAPs, (1) WAP FOR EACH SERVICE.

2 N
NURSE CALL STATION.
2 = NURSE'S CALL DOME LIGHT (SUFFIX INDICATES No OF LAMP) MTD 6" [152mm] ABOVE DOOR.
D = CORRIDOR DOME LIGHT.
I = AUXILIARY INTERSECTIONAL DOME LIGHT.

TELEPHONE TERMINAL CABINET

TTB
TELEPHONE BACKBOARD (WALL MOUNTED)

M R
3-POLE TWIST-LOCK RECEPTACLE FOR MICROPHONE, MTD. 4'-6" 1372mm] AFF.

REMOTE DICTATING OUTLET MTD 1'-6" [457mm] AFF. UNLESS OTHERWISE NOTED.

INTERCOM STATION (REFER TO SPECS. FOR FUNCTIONAL OPERATION OF INSTRUMENT & TYPE REQUIRED).

S
INTERCOM STAFF STATION.

P/D
POWER/DATA POLE

U
FIBER OPTIC UMBILICAL CABLE

DIV 28 - LEGEND

M T
AUDIO DEVICE; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
B-BELL C-CHIME H-HORN K-KLAXON
L-LISTEN-IN M-MICROPHONE S-SOUNDER S-SPEAKER Z-BUZZER

F M T
BI-STATIC BEAM SENSOR; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
I-INFRARED M-MICROWAVE
F=FUNCTION
RX-RECEIVE TX-TRANSMIT

M T
BIOMETRICS ACCESS CONTROL DEVICE; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
F-FINGER PRINT H-HAND GEOMETRY I-EYE IRIS
R-EYE RETINA V-VOICE

M T
CARD ACCESS READER; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
B-BARCODE F-ELEVATOR FLOOR CALL H-ELEVATOR HALL CALL
M-MAG STRIP P-PROXIMITY S-SMART CARD
T-TOKEN

M
CARD READER WITH KEYPAD; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL

M
CARD READER WITH TIME AND ATTENDANCE; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL

CENTRAL PROCESSING UNIT

M T
CONTROL PANEL; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
B-BURGLAR D-DOOR F-FIRE P-PERIMETER

M T
ELECTRONIC LOCK; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
D-DEADBOLT H-HYBRID L-LATCH SET M-MAGNETIC S-STRIKE

T
EXIT DEVICE; LETTER INDICATES AS FOLLOWS:
T=TECHNOLOGY/TYP E
D-DELAYED EGRESS E-ELECTRIFIED M-MECHANICAL X-HIGH SECURITY

M T
FIBER OPTIC MODULE; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
R-RECEIVER T-TRANSCEIVER TX-TRANSMITTER

M T
FIELD PANEL; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
A-ALARM C-CARD READER

M T
GLASS BREAKAGE SENSOR; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
A-AUDIO S-SHOCK

M T
INTERCOM; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
M-MASTER S-SUBSTATION

KEYBOARD

M
KEYPAD DEVICE; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL

M T
MONITOR; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
D-DATA G-GRAPHIC M-MULTISCREEN V-VIDEO

M T
MOTION DETECTOR; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
D-DUAL TECHNOLOGY IR-INFRARED M-MICROWAVE U-ULTRASONIC
X-REQUEST-FOR-EXIT

M T
PUSH BUTTON; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
B-BELL PUSH D-DURESS P-PANIC R-DOOR RELEASE
X-REQUEST-FOR-EXIT

M T
RECORDER; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
A-AUDIO D-DIGITAL V-VIDEO

AP
SECURITY ACCESS, ANNUNCIATOR PANEL

SECURITY ACCESS, BUZZER. MTD 1'-6" [457mm] AFF UNLESS OTHERWISE NOTED

SECURITY ACCESS, CONTROL UNIT WITH CLOSED CIRCUIT TELEVISION CAMERA

X
SECURITY ACCESS, GENERIC "X" INDICATES THE TYPE, PROVIDE SCHEDULE OR LEGEND

SECURITY ACCESS, HORN OR SIREN

SECURITY ACCESS, OUTDOOR MICROWAVE TRANSMISSION UNIT

SECURITY ACCESS, PANIC ALARM

M PTZ
SECURITY ACCESS, VIDEO CAMERA WITH LENS
M = MOTION DETECTOR
PZ = MOTION DETECTOR WITH PAN AND ZOOM
PTZ= MOTION DETECTOR WITH PAN, TILT, AND ZOOM

C 360°
SECURITY ACCESS, PANNING CAMERA TRAVERSE ANGLE
C = CEILING MOUNTED

40°
SECURITY ACCESS, VIDEO CAMERA WITH LENS, ANGLE OF VIEW

SECURITY ACCESS, VOLUMETRIC SENSOR

T
SECURITY SCREEN WITH ALARM; LETTER INDICATES AS FOLLOWS:
T=TECHNOLOGY/TYPE
B-BLIND S-SHADE

T
SECURITY WINDOW SCREEN; LETTER INDICATES AS FOLLOWS:
T=TECHNOLOGY/TYPE
B-BLIND

VIDEO CONTROL KEYBOARD

VIDEO MOTION DETECTOR

SECURITY ACCESS, SENSOR, BURIED VEHICULAR

SECURITY ACCESS, SWITCH, BALANCED MAGNETIC CONTROL

SECURITY ACCESS, TELEPHONE HANDSET

NIP
CODE ONE CONTROL AND ALARM STATION. MTD 5'-0" AFF UNLESS OTHERWISE NOTED.

NIT
CODE ONE TERMINAL CABINET.

NIA
CODE ONE ANNUNCIATOR PANEL.

NI
CODE ONE BEDSIDE STATION.

NID
CODE ONE DUTY STATION, MTD 5'-0" AFF UNLESS OTHERWISE NOTED.

ALARM, CHECK VALVE

FAC
ALARM, FIRE, COMMUNICATOR

FACP
ALARM, FIRE, PANEL; LETTERS INDICATE AS FOLLOWS:
FACC = CENTRAL CONSOLE FACP = CONTROL PANEL
MFACP= MASTER CONTROL PANEL FAAP = ANNUNCIATOR PANEL

BATT
ALARM, FIRE; LETTERS INDICATE AS FOLLOWS:
BATT = BATTERIES CHR = CHARGER FAR = RECORDER

DSV
ALARM, FIRE, VALVE SUPERVISORY SWITCH.

FATC
ALARM, FIRE, TERMINAL CABINET.

PIV
ALARM, FIRE, POST INDICATOR VALVE.

FTR
ALARM, TRANSPONDER OR TRANSMITTER

P
ALARM, FIRE, MANUAL PULL STATION

ALARM, GONG

ALARM, HORN/LIGHT, ONE ASSEMBLY C = WITH CHIME

C
ALARM, HORN/LIGHT, ONE ASSEMBLY WITH CHIME

ALARM, HORN/LIGHT, SEPARATE ASSEMBLY

ALARM, LAMP LIGHT, SIGNAL LIGHT, STROBE

ALARM, MANUAL CONTROL

M
ALARM, MINI
HORN M-MULLION

WB
ALARM, SPRINKLER SYSTEM WATER FLOW BELL

CP
ALARM, VOICE COMMUNICATION PANEL

TS
ALARM, TAMPER SWITCH

DETECTION, GAS

SCCP
DETECTION, SMOKE CONTROL AND PRESSURE PANEL

EPO
DETECTION SWITCH, ABORT

DETECTION SWITCH, VALVE TAMPER

DETECTOR, FLAME FLICKER

DETECTOR, FLOW SWITCH

HD
DETECTOR, HEAT

R/T
HD
DETECTOR, HEAT; LETTER INDICATES AS FOLLOWS:
R/T = COMBINATION F = FIXED TEMPERATURE RISE
R/C = RATE COMPENSATION R = RATE OF

H
DETECTOR; LETTER INDICATES AS FOLLOWS:
BLANK = SMOKE DETECTOR
H = HEAT SMOKE
I = IONIZATION SMOKE
P = PHOTOELECTRIC SMOKE
IH = IONIZATION AND HEAT SMOKE
IP = IONIZATION AND PHOTOELECTRIC SMOKE
PH = PHOTOELECTRIC AND HEAT SMOKE
IPH = IONIZATION, PHOTOELECTRIC, AND HEAT

DETECTOR, SMOKE, FOR DUCT

DETECTOR, SWITCH LEVEL

FS
FIRE ALARM STATION, MANUAL PULL

FA
FIRE ALARM LINE = FA

DH
ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET

CITY FIRE ALARM MASTER STATION MTD 5'-6" [1676mm] AFF UNLESS NOTED.

FAT 2-4-6
FIRE ALARM TRANSMITTER (BASE LOOP) NUMERALS DENOTE CODE.

FAT 2-4-6
FIRE ALARM TROUBLE TRANSMITTER (BASE LOOP) NUMERALS DENOTE CODE.

Revisions:	Date:

CONSULTANT/ DISCIPLINE
DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD
A/E:
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SPEESDESIGNBUILD

STAMP
BICSI Kris K Good BICSI ID # 510398 EXPIRES 12-31-27

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

Drawing Title	Phase	Project Title	Project Number
TELECOMMUNICATIONS LEGENDS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	528A7-22-700
Approved:		Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Building Number: -
		Issue Date: 08/22/2025; Checked: KG; Drawn: RTS/JGD	Drawing Number: TNG002

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM SL06 ON LEVEL 00B.

1 BLDG 01 - LEVEL 00S - AREA A - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 8' 16' 32'

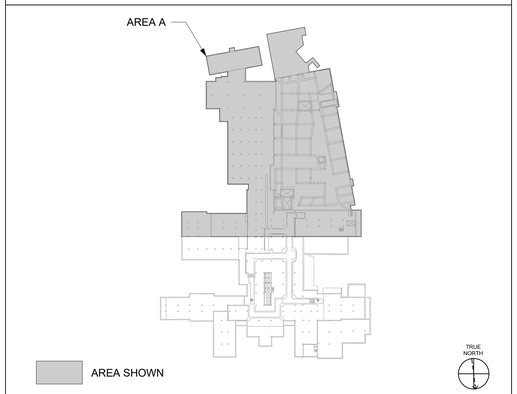
GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL DATA DEVICES AND ASSOCIATED CABLING AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING AS CONDUIT FILL ALLOWS. PROVIDE ADDITIONAL RACEWAYS TO EXTEND TO ASSOCIATED TR AS REQUIRED.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" CONDUIT FROM NEW 4"-SQUARE BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, PROVIDE J-HOOKS AS REQUIRED.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.
13. CONTRACTOR TO BID AN ADDITIONAL 10% OF THE TOTAL NUMBER OF WAO'S PER FLOOR. A WAO IS DEFINED AS TWO CAT6A OUTLETS.
14. THE CONTRACTOR SHALL BID AND INSTALL CAT6A CABLE WITH AN OD NOT GREATER THAN 0.250 INCH (6.35mm) (4) CAT6A CABLES WITH AN 0.250 INCH (6.35mm) OD OR SMALLER CAN BE INSTALLED IN A ¾" CONDUIT SUPPORTING A 40% FILL RATIO.

KEY NOTES

1 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.

KEY PLAN



Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

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STAMP

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00S - AREA A - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	
FULLY SPRINKLERED	
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Location	VA NY SYRACUSE, 800 IRVING AVE , SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN100Sa

VA FORM 08 - 6231

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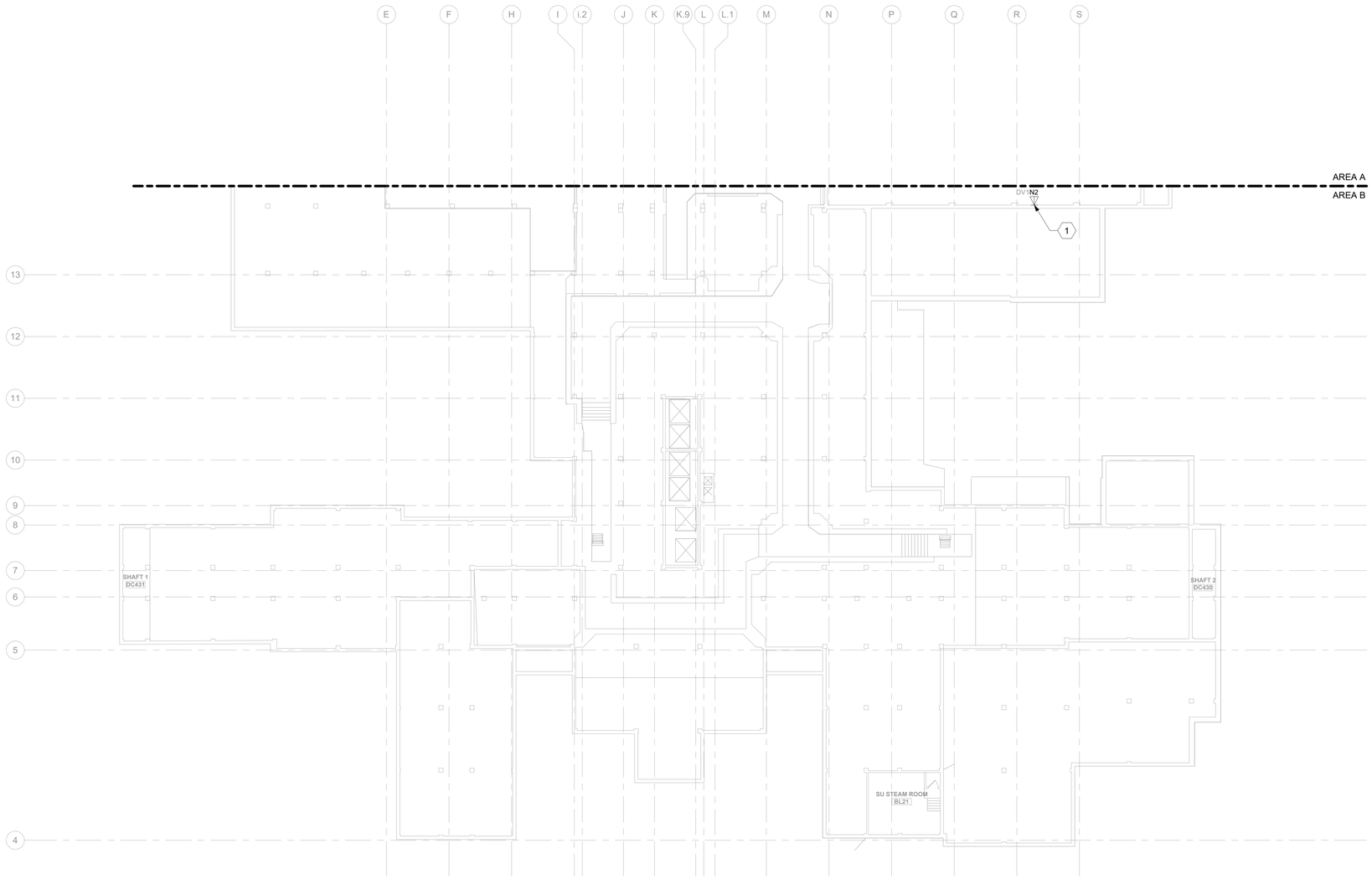
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.00S_EL_SDB.rvt

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM SL06 ON LEVEL 00B.



1 BLDG 01 - LEVEL 00S - AREA B - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 8' 16' 32'

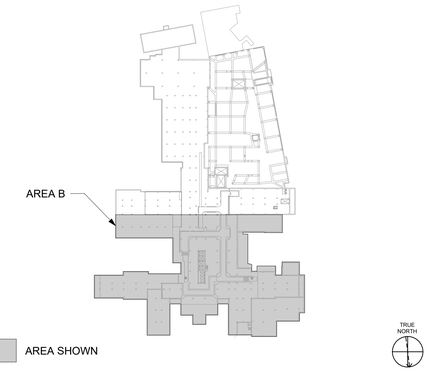
GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL DATA DEVICES AND ASSOCIATED CABLING AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING AS CONDUIT FILL ALLOWS. PROVIDE ADDITIONAL RACEWAYS TO EXTEND TO ASSOCIATED TR AS REQUIRED.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" CONDUIT FROM NEW 4"-SQUARE BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, PROVIDE J-HOOKS AS REQUIRED.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.
13. CONTRACTOR TO BID AN ADDITIONAL 10% OF THE TOTAL NUMBER OF WAO'S PER FLOOR. A WAO IS DEFINED AS TWO CAT6A OUTLETS.
14. THE CONTRACTOR SHALL BID AND INSTALL CAT6A CABLE WITH AN OD NOT GREATER THAN 0.250 INCH (6.35mm) (4) CAT6A CABLES WITH AN 0.250 INCH (6.35mm) OD OR SMALLER CAN BE INSTALLED IN A ¾" CONDUIT SUPPORTING A 40% FILL RATIO.

KEY NOTES

1. 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.

KEY PLAN



Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

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

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00S - AREA B - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN100Sb

VA FORM 08 - 6231

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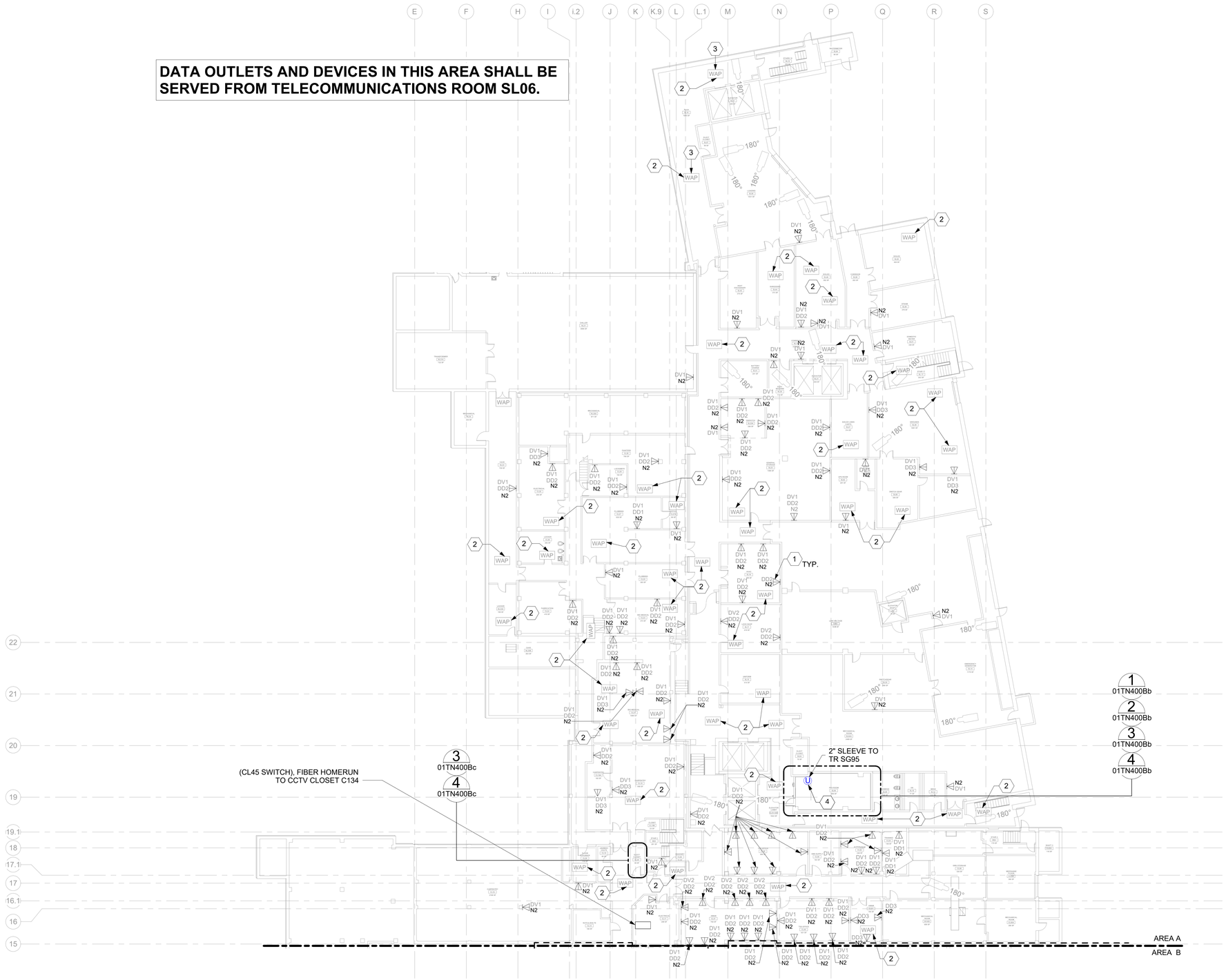
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.00S_EL_SDB.rvt

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM SL06.



1 BLDG 01 - LEVEL 00B - AREA A - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 30' 60'

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL DATA DEVICES AND ASSOCIATED CABLING AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING AS CONDUIT FILL ALLOWS. PROVIDE ADDITIONAL RACEWAYS TO EXTEND TO ASSOCIATED TR AS REQUIRED.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" CONDUIT FROM NEW 4"-SQUARE BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, PROVIDE J-HOOKS AS REQUIRED.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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

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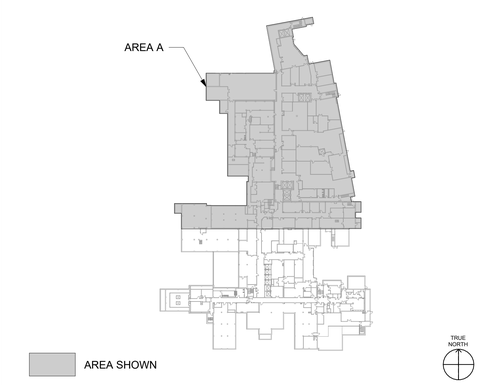
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.
3. CATEGORY 6A CABLES SERVICING WAP'S IN THIS AREA WILL NEED TO BE PLACED WITHIN THE DISTANCE LIMIT. THE CONTRACTOR SHALL UTILIZE THE ADDITIONAL PATCH CORD LENGTH LIMIT OF NO MORE THAN 25 FEET AT THIS END TO CONFORM TO THE LINK LIMITS ALLOWED PER THE TIA STANDARDS.
4. FIBER OPTIC UMBILICAL CABLE.

KEY PLAN



Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

BICSI RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00B - AREA A - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN100Ba

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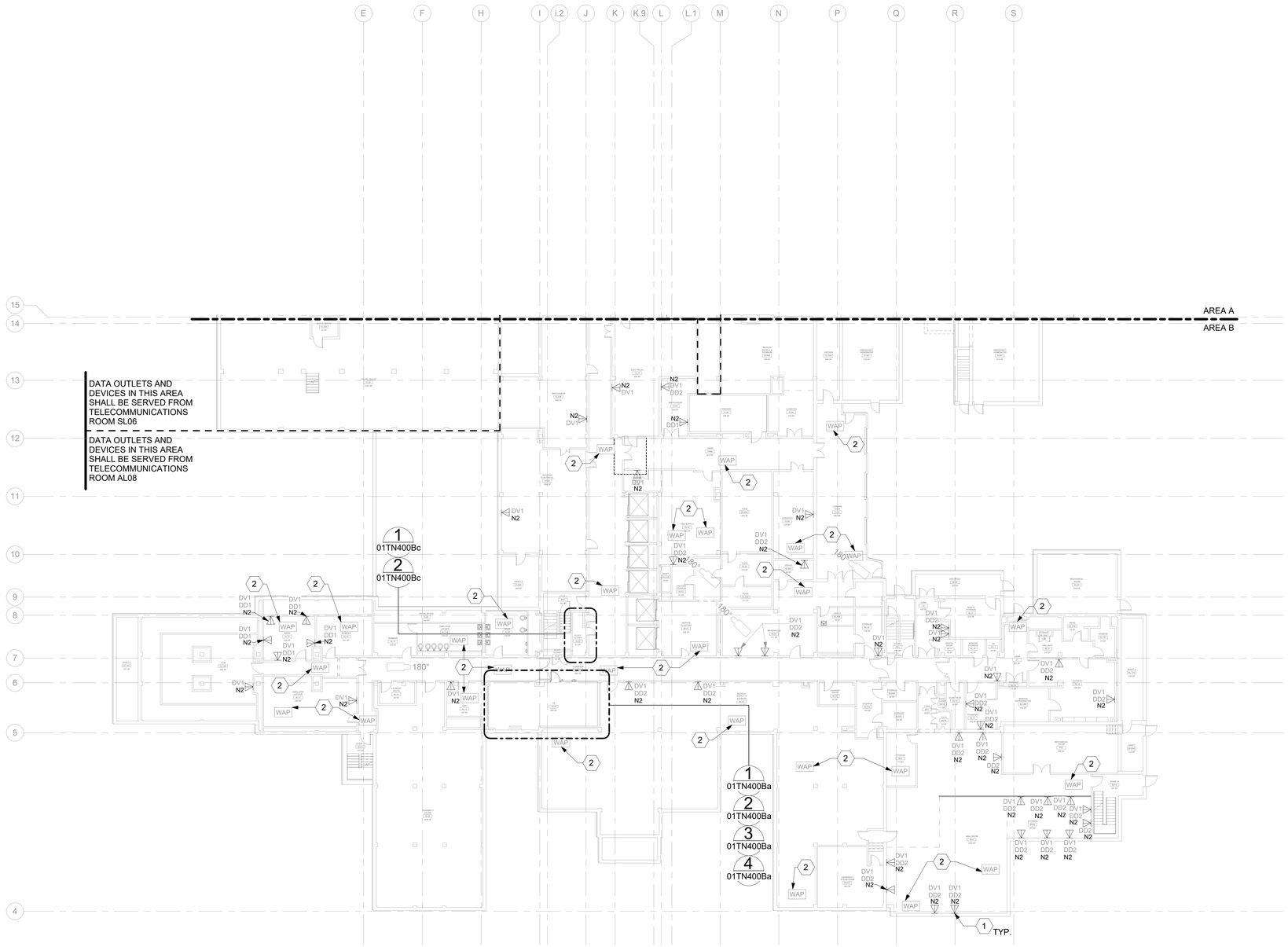
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.00B_EL_SDB.rvt



1 BLDG 01 - LEVEL 00B - AREA B - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 8' 16' 32'

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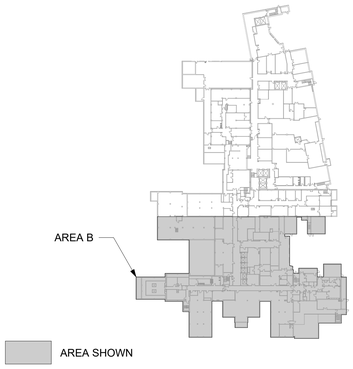
KEY PLAN



Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

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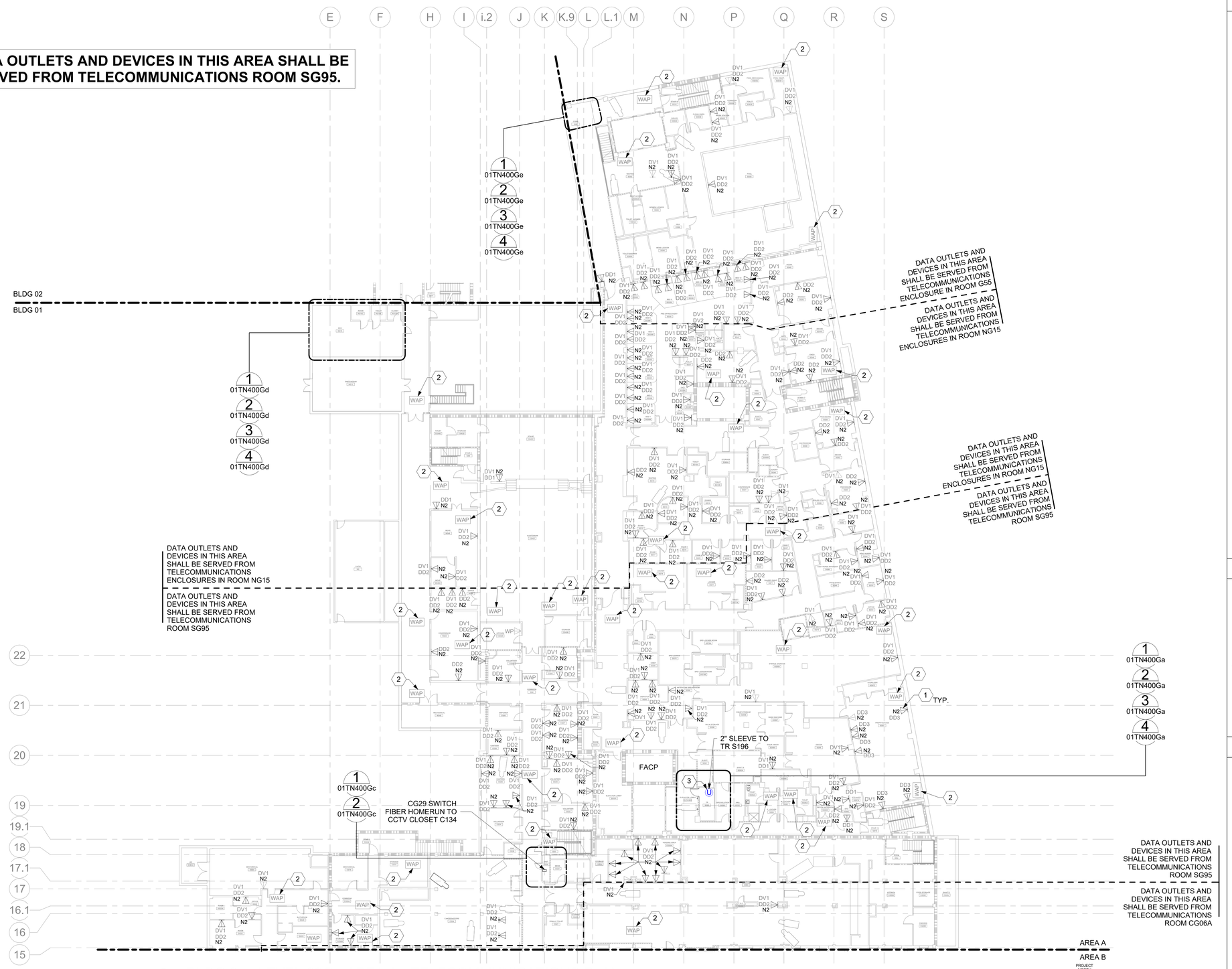
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00B - AREA B - TELECOMMUNICATIONS PLAN
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED	
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Project Number	528A7-22-700
Building Number	01
Drawing Number	01TN100Bb



1 - BLDG 01 - LEVEL 00G - AREA A - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

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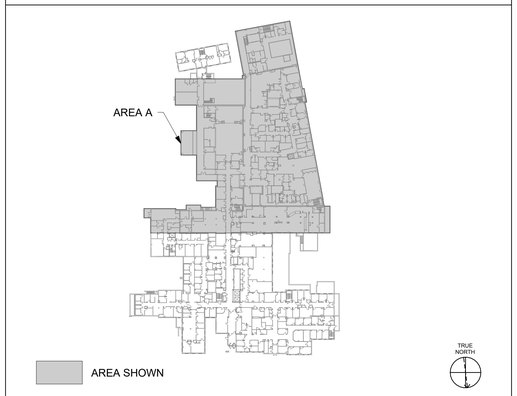
KEY PLAN



Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
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STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00G - AREA A - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
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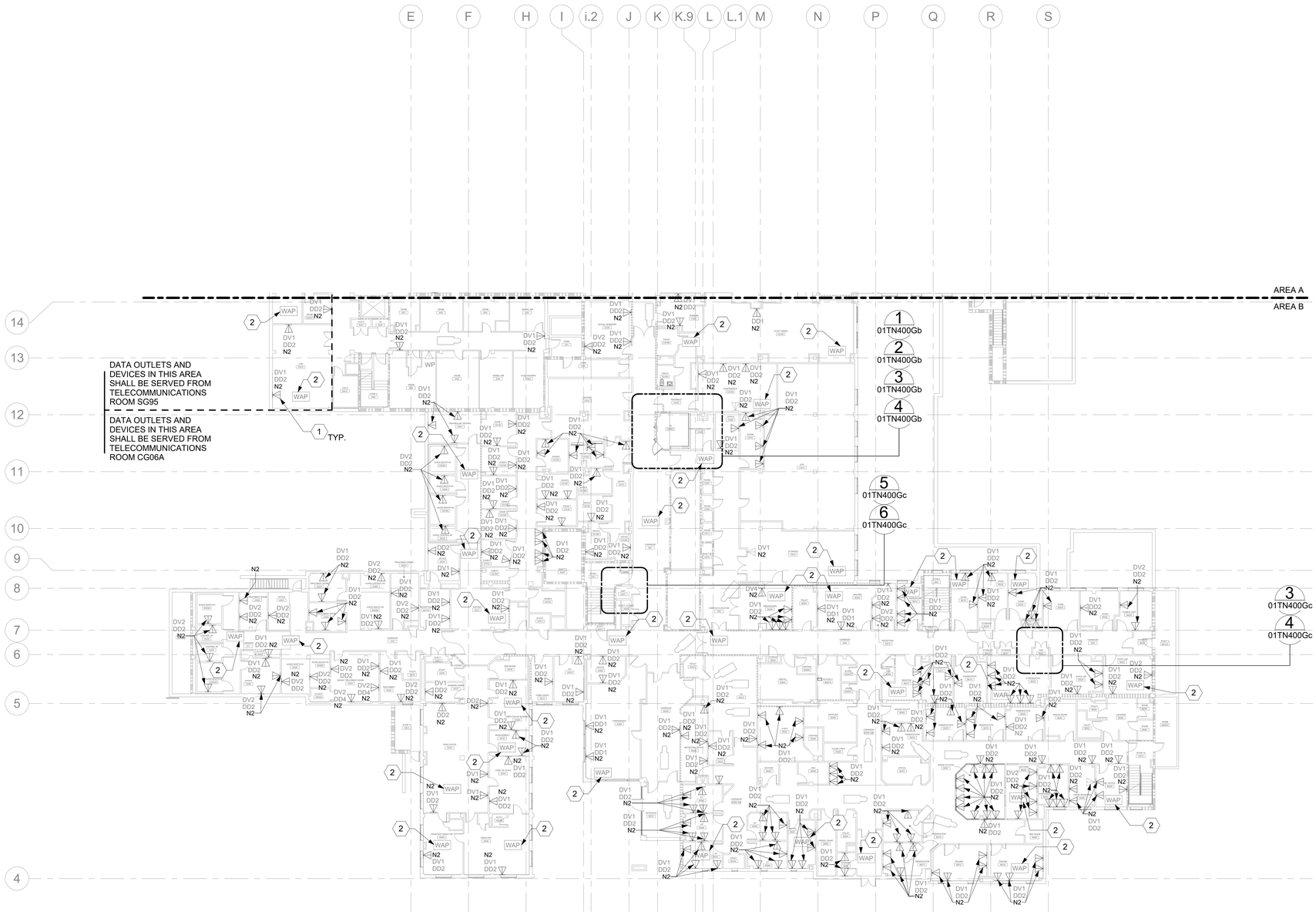

1 BLDG 01 - LEVEL 00G - AREA B - TELECOMMUNICATIONS PLAN

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PROJECT NORTH

0 8' 16' 32'

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KEY NOTES

1. 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.
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.

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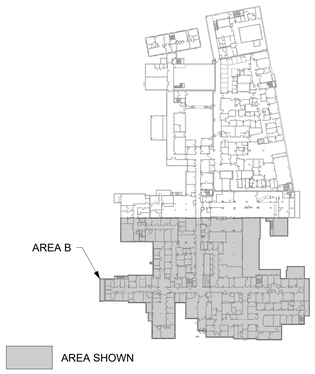

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00G - AREA B - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN100Gb

VA FORM 08 - 6231

19/05/2025 4:53:36 am

Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.00G_EL_SDB.rvt

1 - BLDG 01 - LEVEL 01 - AREA A - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

GENERAL NOTES

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3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
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8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
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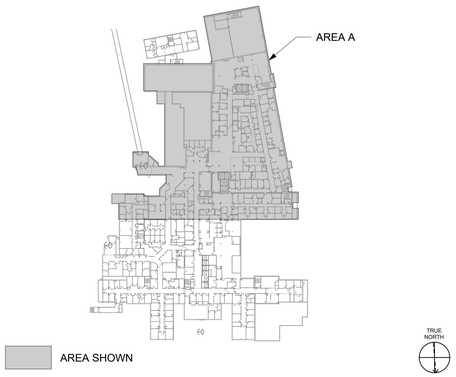

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Office of Construction and Facilities Management

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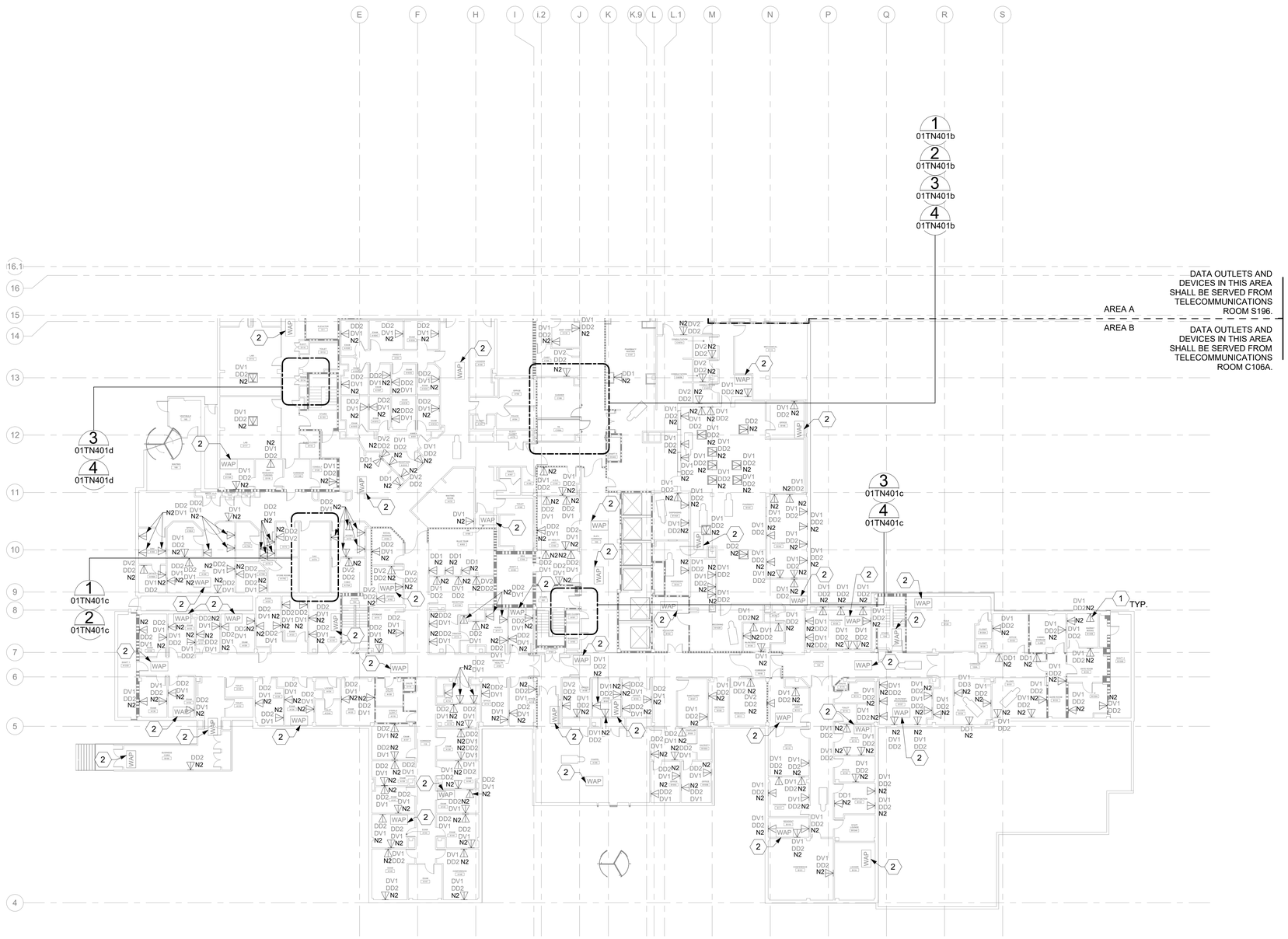
Drawing Title	BLDG 01 - LEVEL 01 - AREA A - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN101a



1 BLDG 01 - LEVEL 01 - AREA B - TELECOMMUNICATIONS PLAN

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PROJECT NORTH

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DISCIPLINE:

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A/E:
SPEES DESIGN BUILD
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KENT, WA 98032

SPEESDESIGNBUILD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 01 - AREA B - TELECOMMUNICATIONS PLAN
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Project Number	528A7-22-700
Building Number	01
Drawing Number	01TN101b

1 BLDG 01 - LEVEL 02 - AREA A - TELECOMMUNICATIONS PLAN

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PROJECT NORTH

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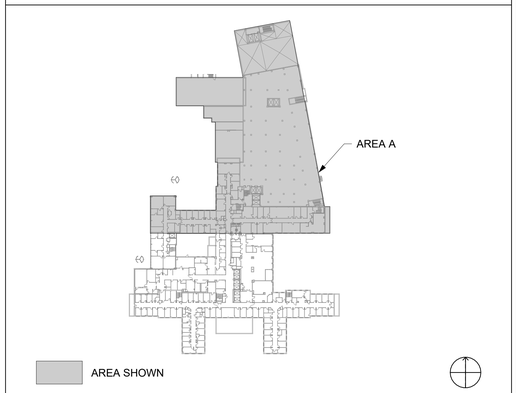

Revisions:	Date:

CONSULTANT/ DISCIPLINE

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ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 02 - AREA A - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Location	VA NY SYRACUSE 800 IRVING AVE., SYRACUSE, NY 13210
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Drawn	RTS/JGD
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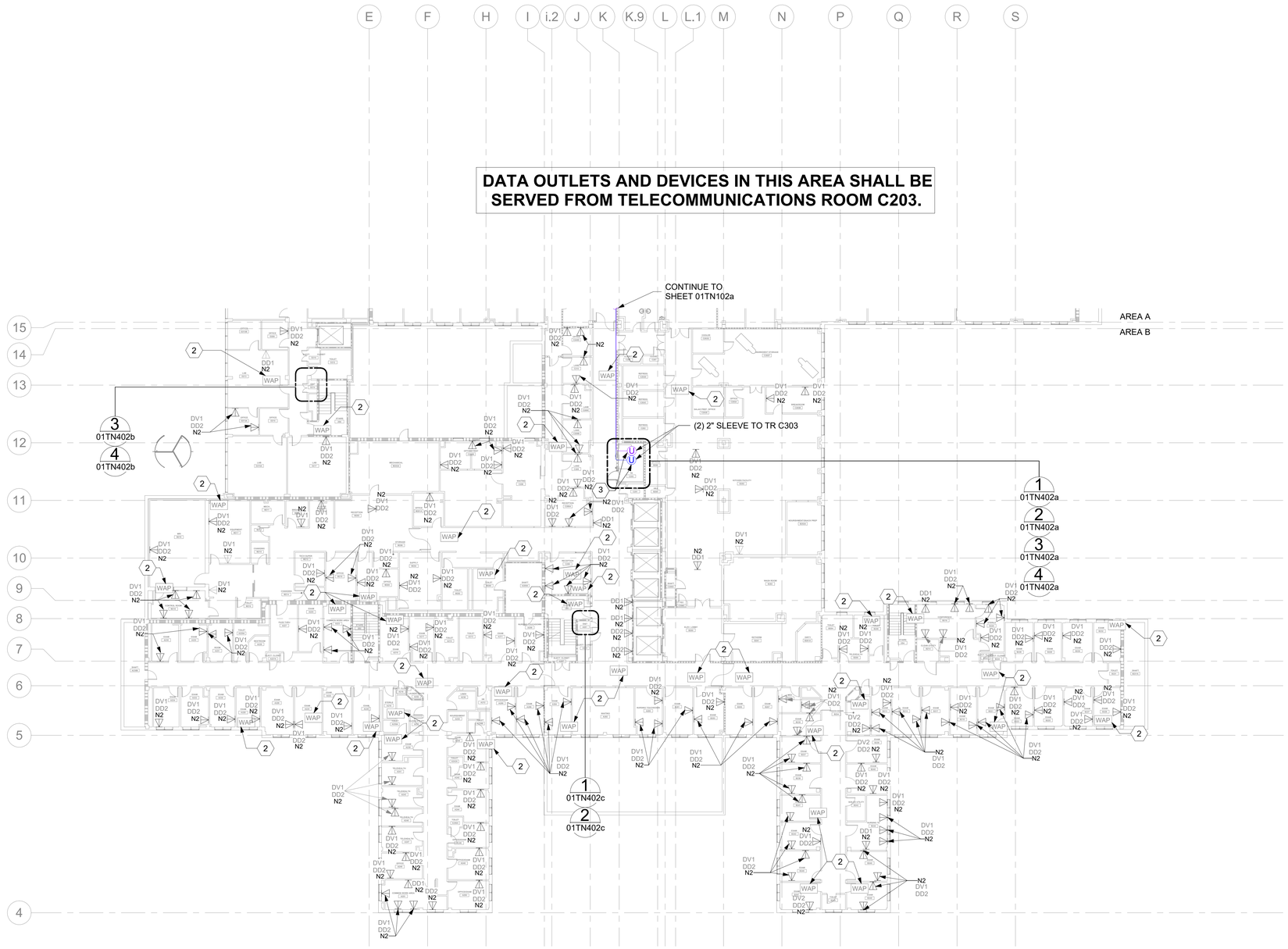

1 BLDG 01 - LEVEL 02 - AREA B - TELECOMMUNICATIONS PLAN

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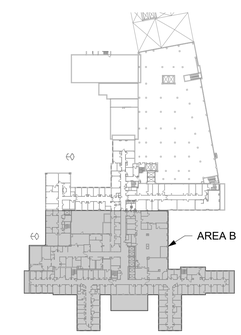

AREA SHOWN

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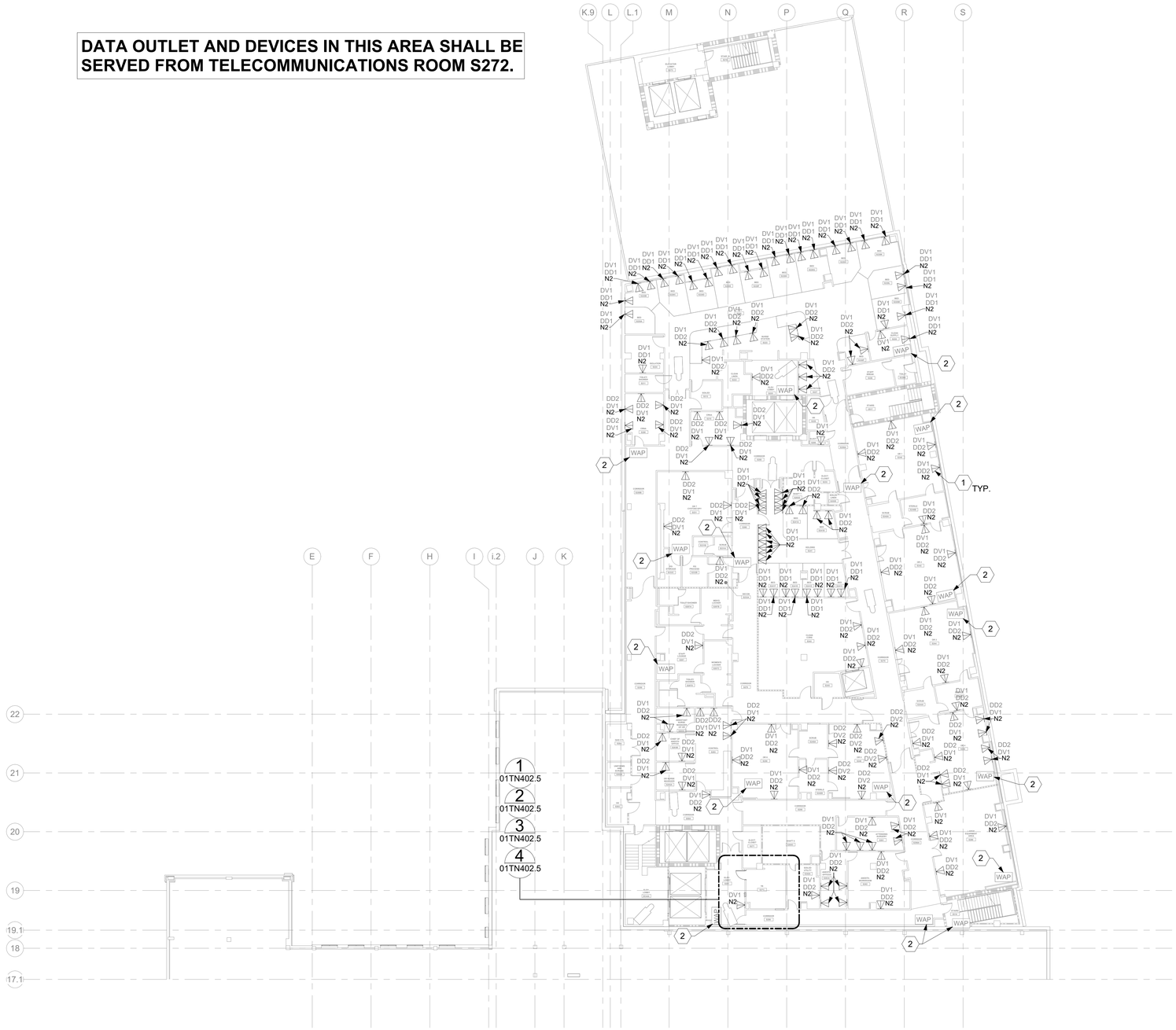
VA FORM 08 - 6231

19/05/2025 3:57:29 am

Autodesk Docs://528A7-22-700 VA Syracuse EHRM infrastructure Upgrades/VASY_01.2_EL_SDB.rvt

DATA OUTLET AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM S272.



1 BLDG 01 - LEVEL 02.5 - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 8' 16' 32'

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL DATA DEVICES AND ASSOCIATED CABLING AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
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3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
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6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" CONDUIT FROM NEW 4"-SQUARE BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, PROVIDE J-HOOKS AS REQUIRED.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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

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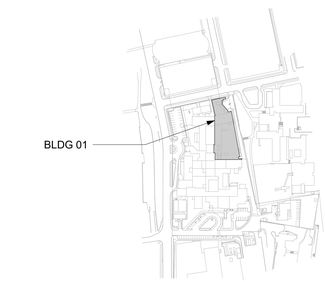

AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

BICSI RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 02.5 - TELECOMMUNICATIONS PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Building Number: 01
		Issue Date: 08/22/2025 / Checked: KG / Drawn: RTS/JGD	Drawing Number: 01TN102.5

VA FORM 08 - 6231

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Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.2.5_EL_SDB.rvt

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM C303.

1 - BLDG 01 - LEVEL 03 - AREA A - TELECOMMUNICATIONS PLAN

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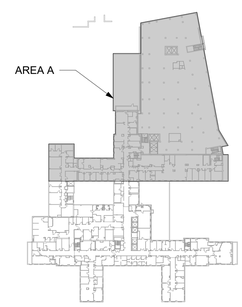
KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 03 - AREA A - TELECOMMUNICATIONS PLAN
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED	
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN103a

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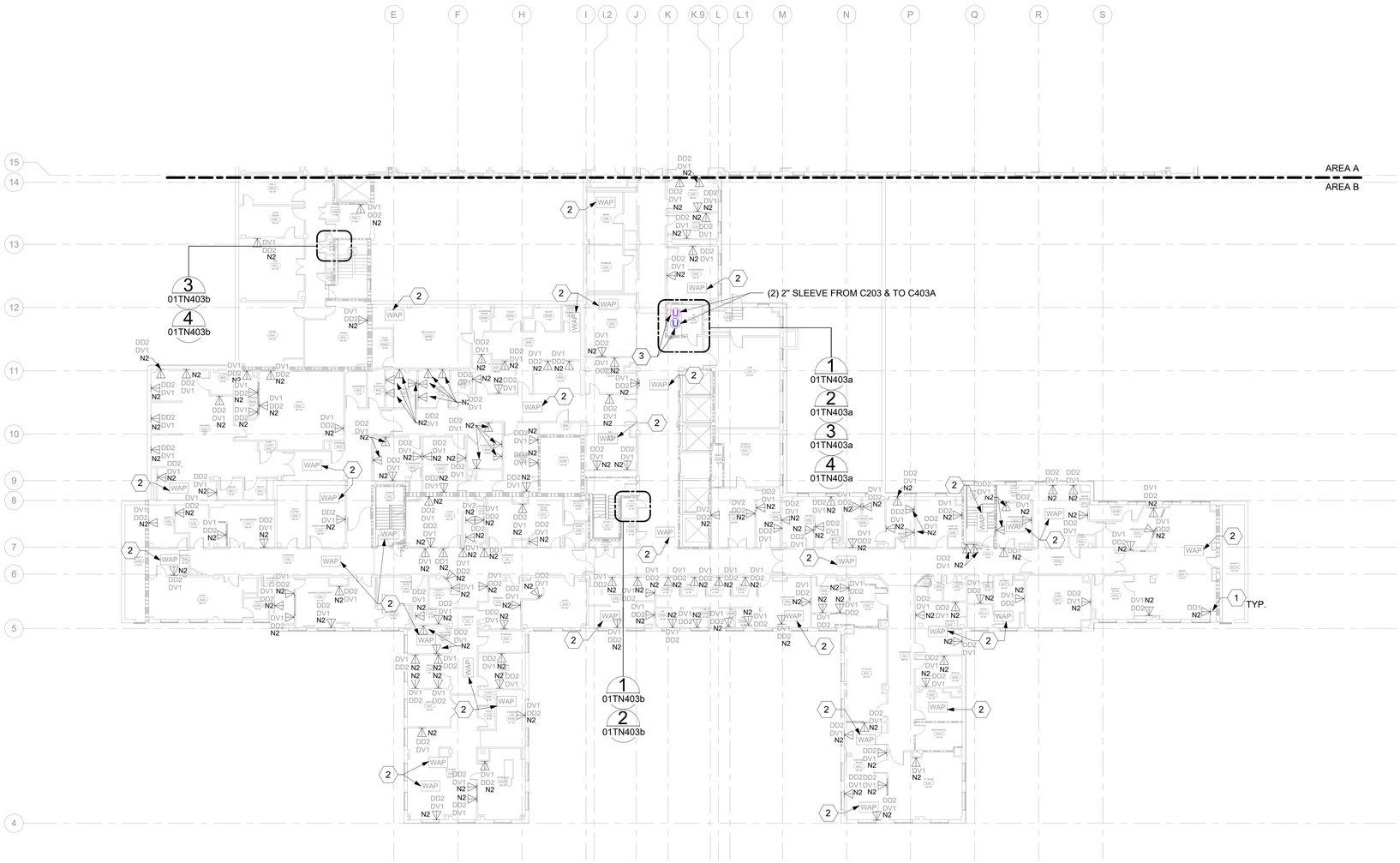

1 - BLDG 01 - LEVEL 03 - AREA B - TELECOMMUNICATIONS PLAN

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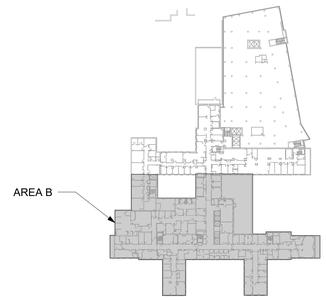
3. FIBER OPTIC UMBILICAL CABLE.

KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 03 - AREA B - TELECOMMUNICATIONS PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN103b
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

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Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.3_EL_SDB.rvt

1 - BLDG 01 - LEVEL 04 - AREA A - TELECOMMUNICATIONS PLAN

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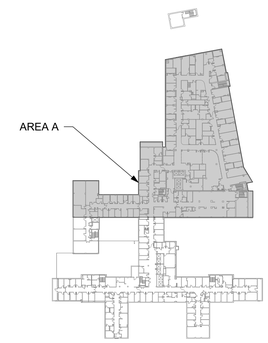

AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 04 - AREA A - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN104a

VA FORM 08 - 6231

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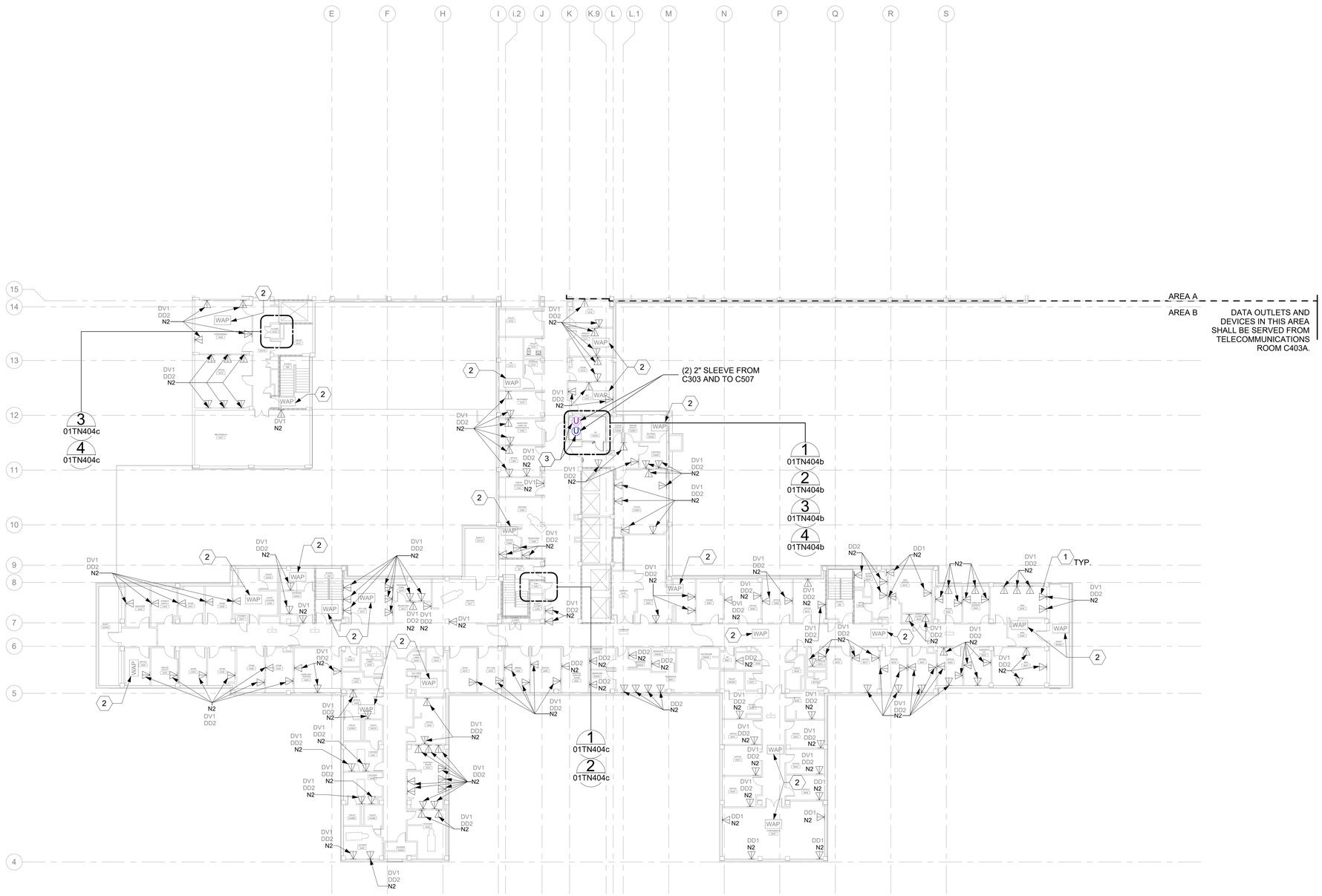
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.4_EL_SDB.rvt



1 BLDG 01 - LEVEL 04 - AREA B - TELECOMMUNICATIONS PLAN

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8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
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KEY NOTES

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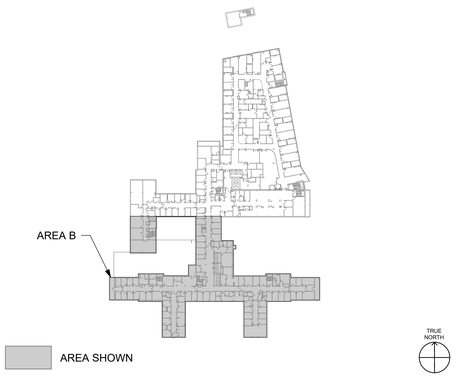

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

STAMP

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG 01 - LEVEL 04 - AREA B - TELECOMMUNICATIONS PLAN	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN104b
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

VA FORM 08 - 6231

19/05/2025 3:53:44 am

Autodesk Docs://528A7-22-700 VA Syracuse EHRM Infrastructure Upgrades/VASY_01.4_EL_SDB.rvt

DATA OULETS AND DEVICES INTHIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM C507.

1 - BLDG 01 - LEVEL 05 - AREA A - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 8' 16' 32'

GENERAL NOTES

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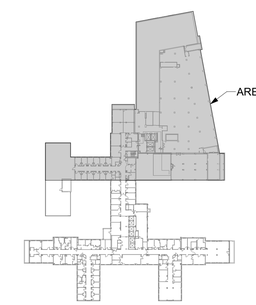
KEY PLAN



AREA SHOWN

PROJECT NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

BICSI RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 05 - AREA A - TELECOMMUNICATIONS PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN105a
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

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19/05/2025 4:04:16 am

Autodesk Docs://528A7-22-700 VA Syracuse EHRM infrastructure Upgrades/VASY_01.5_EL_SDB.rvt

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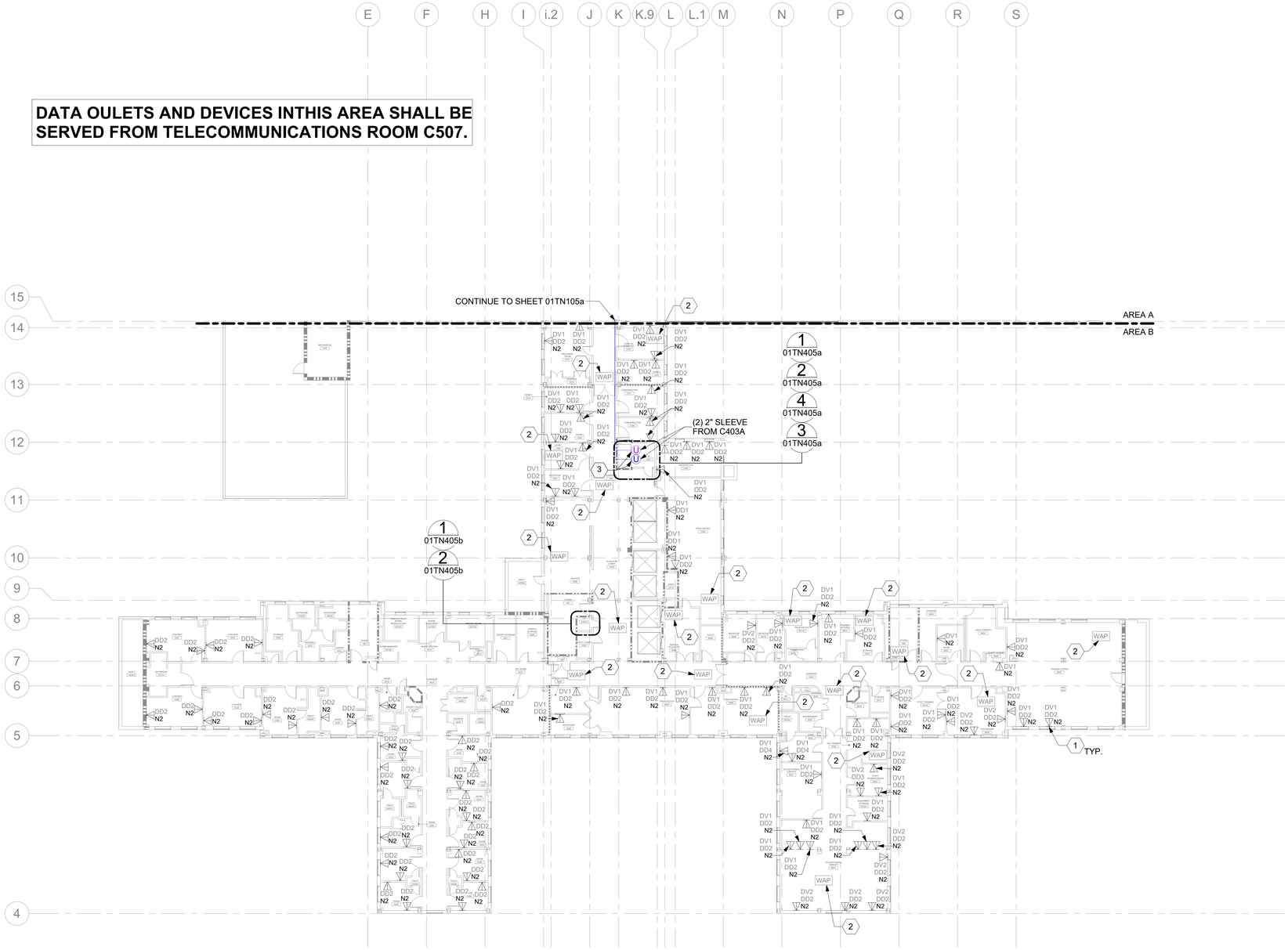

1 BLDG 01 - LEVEL 05 - AREA B - TELECOMMUNICATIONS PLAN

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PROJECT NORTH

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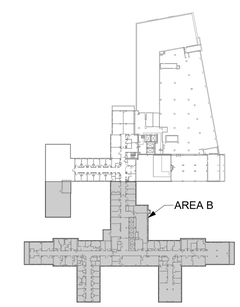

AREA SHOWN

PROJECT NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

CERTIFIED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi Kirk K Good BICSI ID # 510 EXPIRES 12-31-27 RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 05 - AREA B - TELECOMMUNICATIONS PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN105b
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

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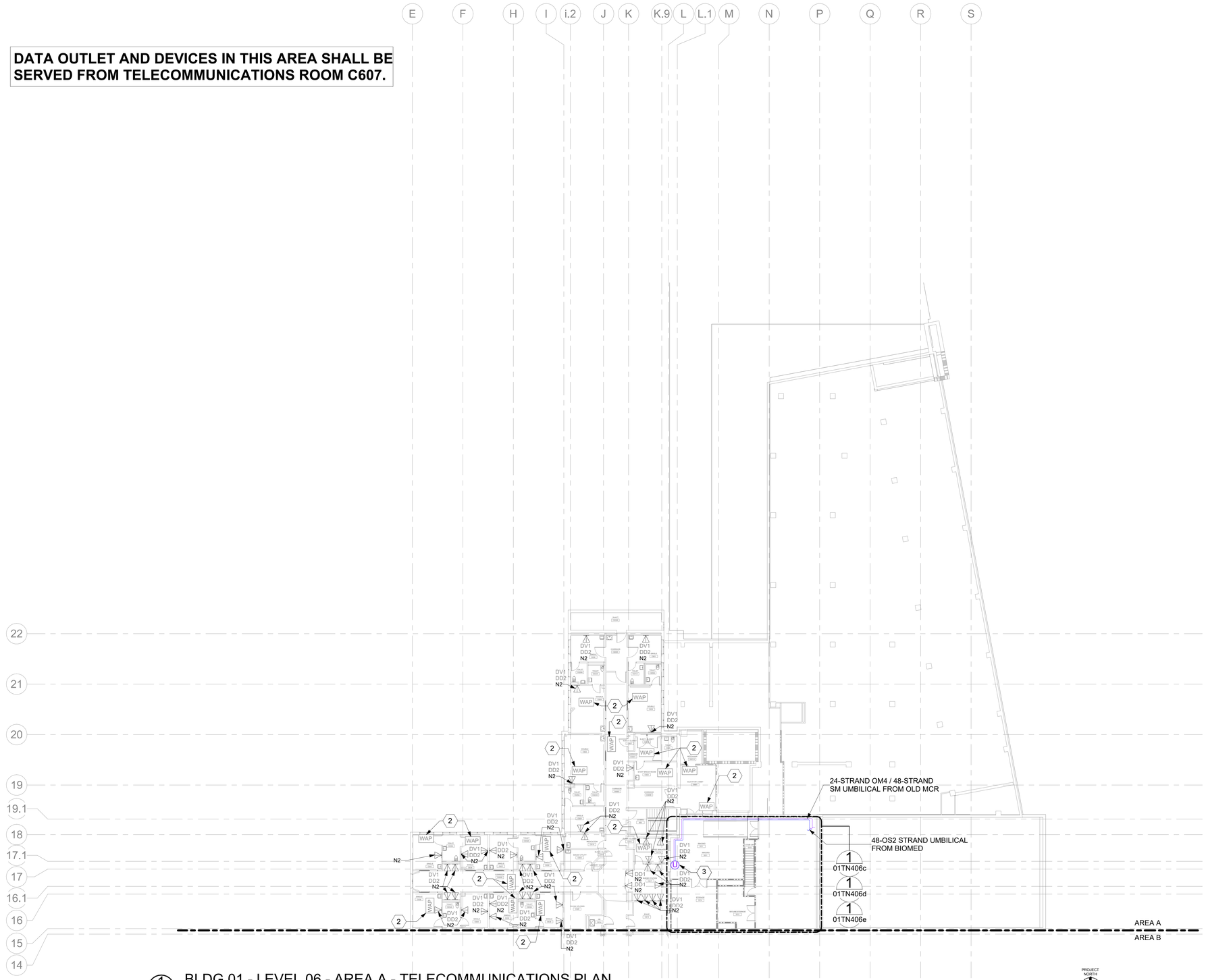
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.5_EL_SDB.rvt

DATA OUTLET AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM C607.



1 BLDG 01 - LEVEL 06 - AREA A - TELECOMMUNICATIONS PLAN

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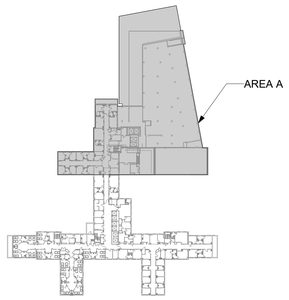

AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

CERTIFIED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
KIM E Good
BICSI ID # 152288
EXPIRES 12-31-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 06 - AREA A - TELECOMMUNICATIONS PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN106a
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

VA FORM 08 - 6231

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Autodesk Docs://528A7-22-700
VA Syracuse EHRM
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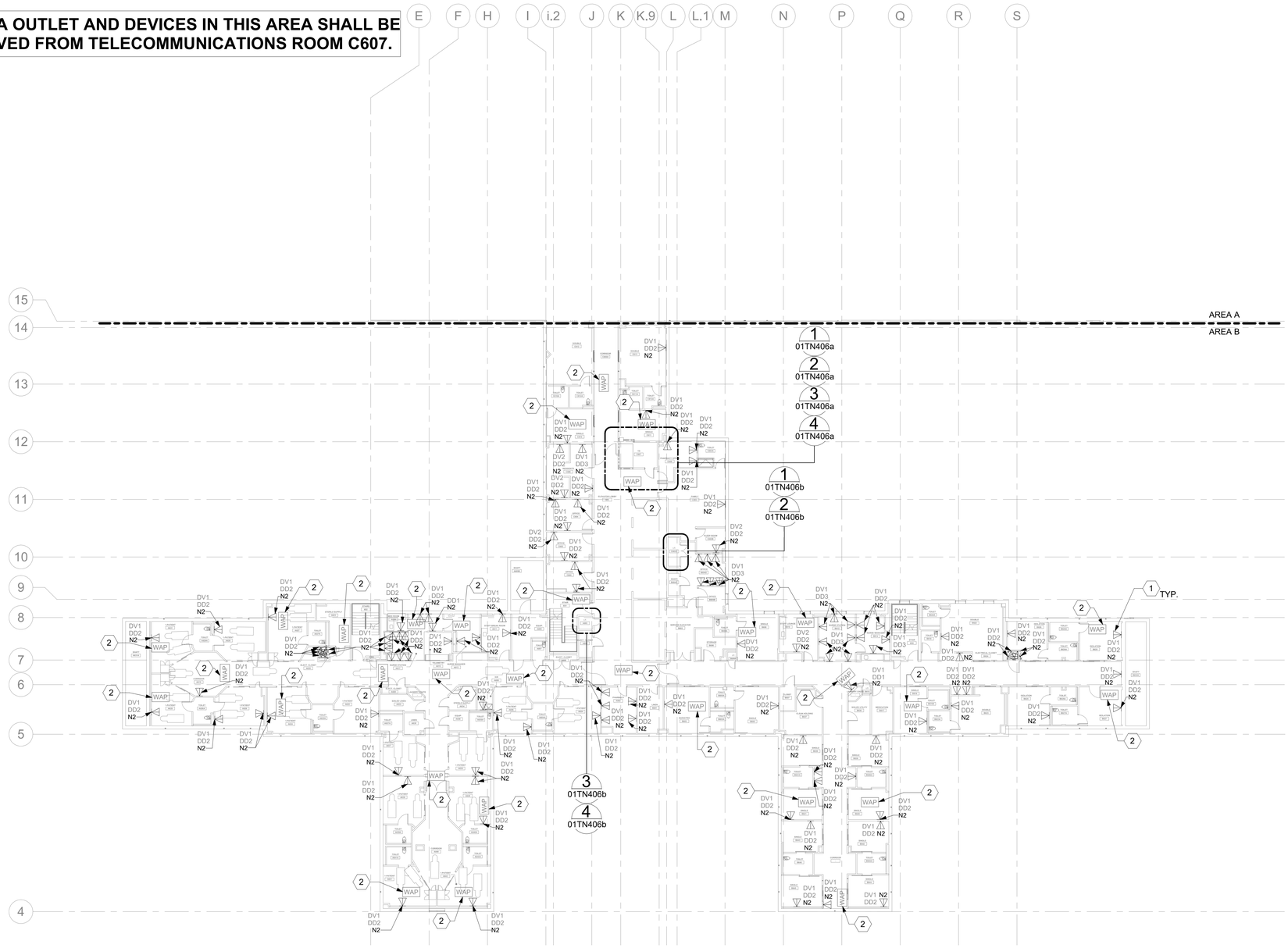

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PROJECT NORTH

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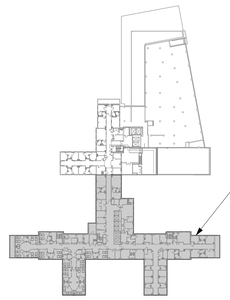
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" CONDUIT FROM NEW 4"-SQUARE BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, PROVIDE J-HOOKS AS REQUIRED.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.
13. CONTRACTOR TO BID AN ADDITIONAL 10% OF THE TOTAL NUMBER OF WAO'S PER FLOOR. A WAO IS DEFINED AS TWO CAT6A OUTLETS.
14. THE CONTRACTOR SHALL BID AND INSTALL CAT6A CABLE WITH AN OD NOT GREATER THAN 0.250 INCH (6.35mm) (4) CAT6A CABLES WITH AN 0.250 INCH (6.35mm) OD OR SMALLER CAN BE INSTALLED IN A ¾" CONDUIT SUPPORTING A 40% FILL RATIO.

KEY NOTES

1. 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.
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.

KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

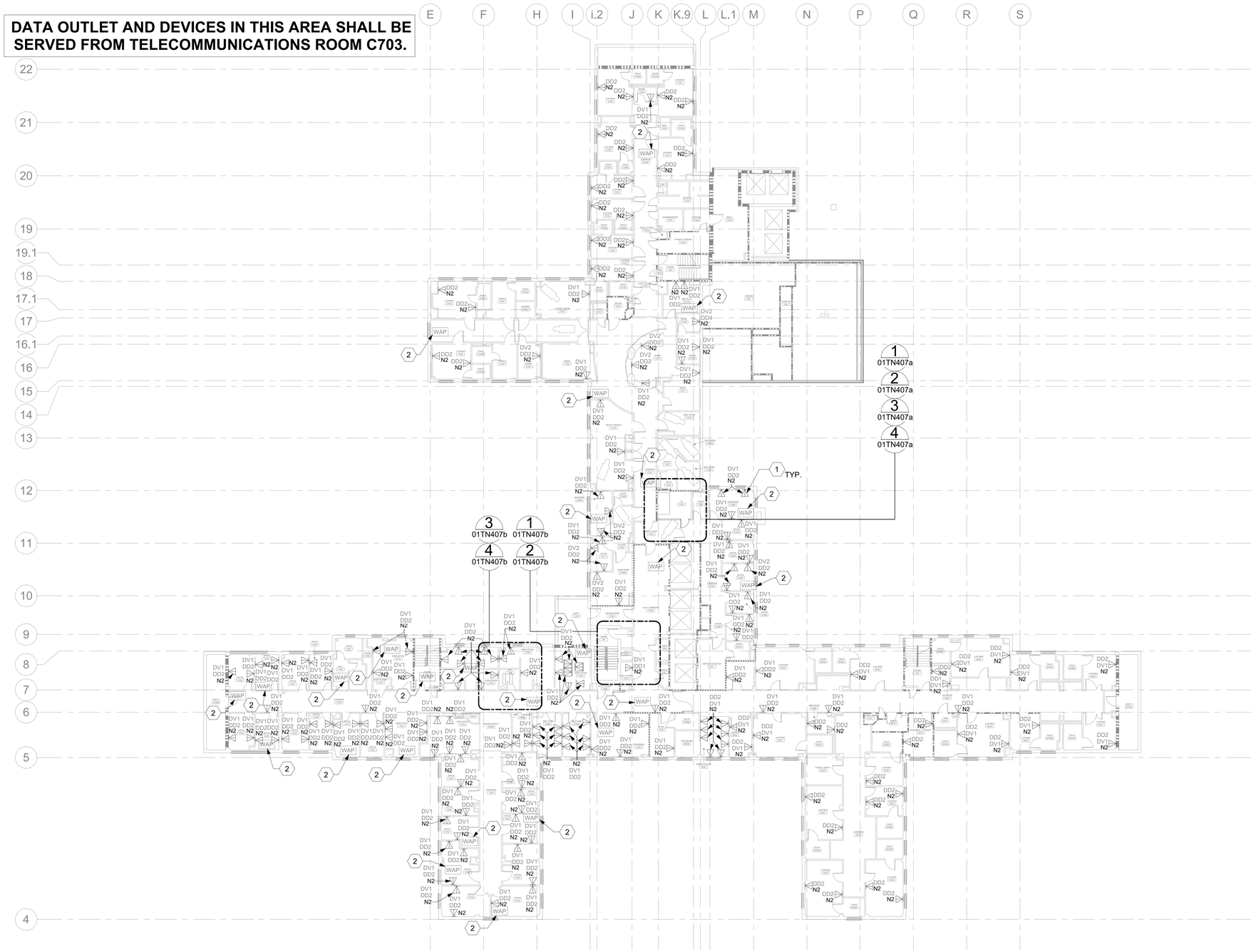
CERTIFIED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
CDDS
CERTIFICATE NUMBER 20080318
EXPIRES 10-31-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 06 - AREA B - TELECOMMUNICATIONS PLAN
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED	
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Project Number	528A7-22-700
Building Number	01
Drawing Number	01TN106b

DATA OUTLET AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM C703.



1 BLDG 01 - LEVEL 07 - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 8' 16' 32'

GENERAL NOTES

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3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
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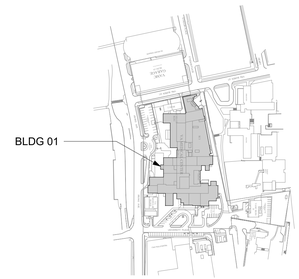
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.

KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Erin K Good
BICSI ID # 152308
EXPIRES 12-31-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

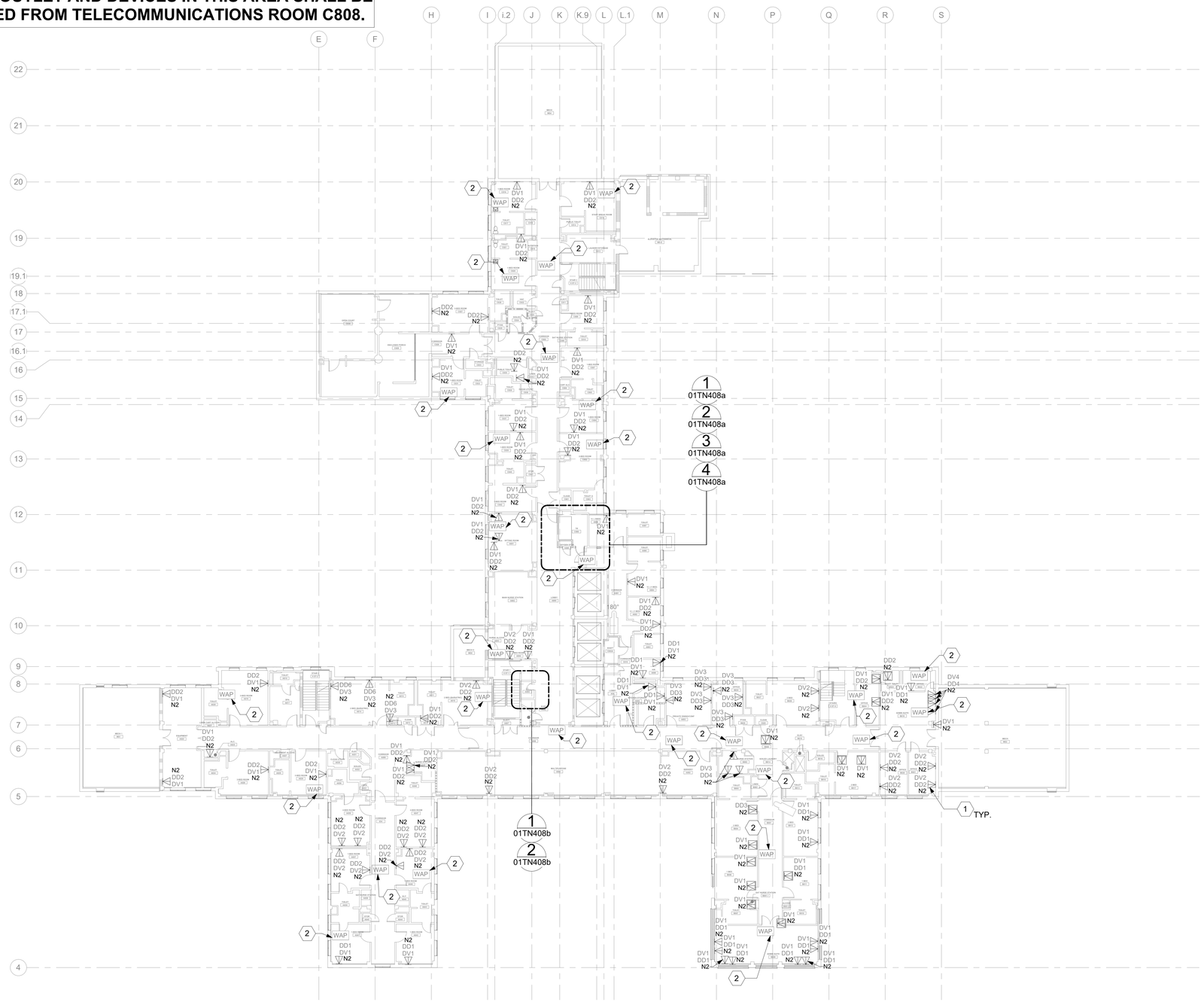
Drawing Title: BLDG 01 - LEVEL 07 - TELECOMMUNICATIONS PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN107
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

VA FORM 08 - 6231

19/05/2025 4:03:07 am

Autodesk Docs://528A7-22-700 VA Syracuse EHRM infrastructure Upgrades/VASY_01.7_EL_SDB.rvt

DATA OUTLET AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM C808.



1 BLDG 01 - LEVEL 08 - TELECOMMUNICATIONS PLAN
1/16" = 1'-0"

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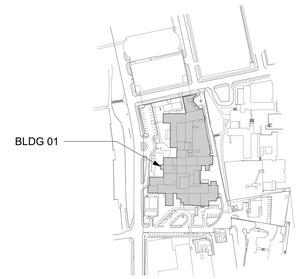
KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

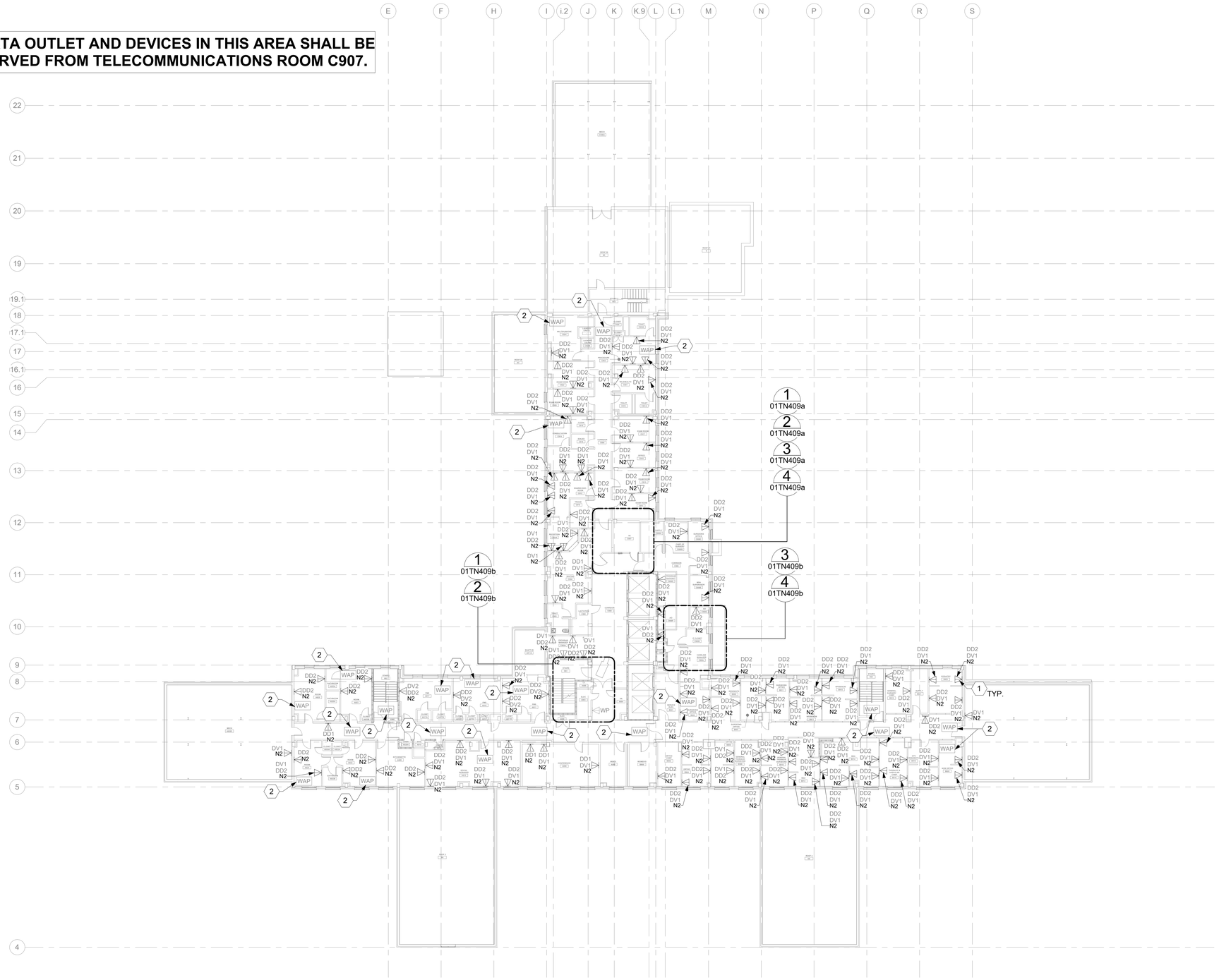
VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 08 - TELECOMMUNICATIONS PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN108
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

VA FORM 08 - 6231 19/05/2025 10:31:19 am

Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.8_EL_SDB.rvt

DATA OUTLET AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM C907.



1 - BLDG 01 - LEVEL 09 - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

TRUE NORTH

0 8' 16' 32'

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KEY PLAN

AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

BICSI Registered Communications Distribution Designer — Kirk K Wood, BICSI ID # 152898, Expires 12-31-27, RCDD

Office of Construction and Facilities Management

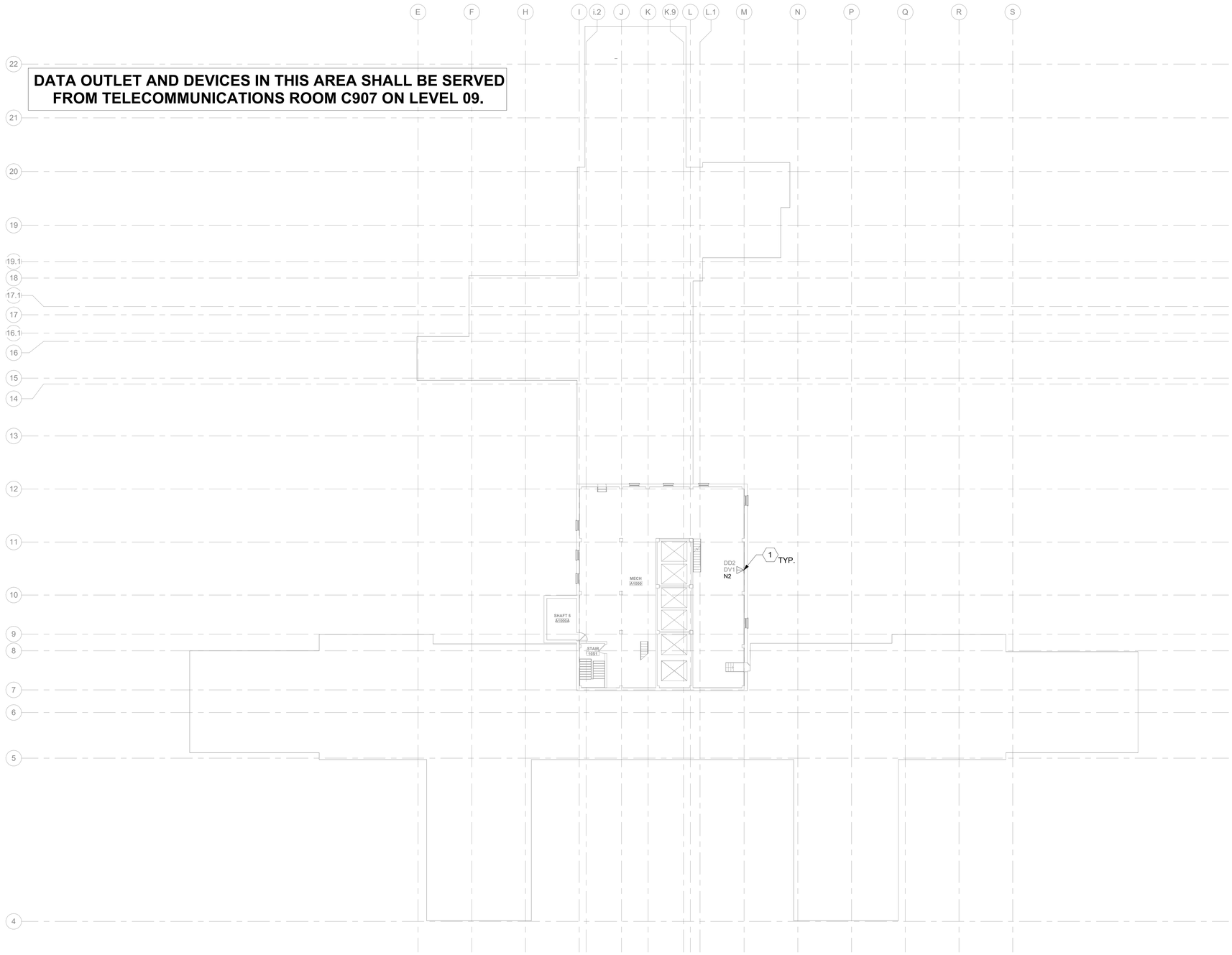
VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 09 - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN109

VA FORM 08 - 6231

1 19/05/2025 3:50:47 am

Autodesk Docs://528A7-22-700 VA Syracuse EHRM infrastructure Upgrades/VASY_01.9_EL_SDB.rvt



1 BLDG 01 - LEVEL 10 - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 8' 16' 32'

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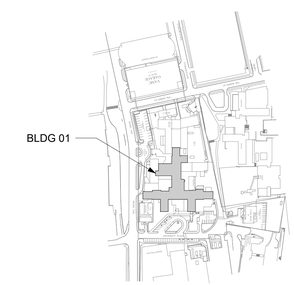
9. PROVIDE CONDUITS AND SLEEVES AS REQUIRED FOR ROUTING AND INSTALLATION OF HORIZONTAL AND BACKBONE CABLING. PROVIDE FIRE-STOP MATERIALS TO SEAL IN AND AROUND CONDUIT PER CODE. REFER TO ARCHITECTURAL DRAWINGS FOR PARTITION TYPES AND WALL HEIGHTS.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.
13. CONTRACTOR TO BID AN ADDITIONAL 10% OF THE TOTAL NUMBER OF WAO'S PER FLOOR. A WAO IS DEFINED AS TWO CAT6A OUTLETS.
14. THE CONTRACTOR SHALL BID AND INSTALL CAT6A CABLE WITH AN OD NOT GREATER THAN 0.250 INCH (6.35mm) (4) CAT6A CABLES WITH AN 0.250 INCH (6.35mm) OD OR SMALLER CAN BE INSTALLED IN A ¾" CONDUIT SUPPORTING A 40% FILL RATIO.

KEY NOTES

1. 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.

KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

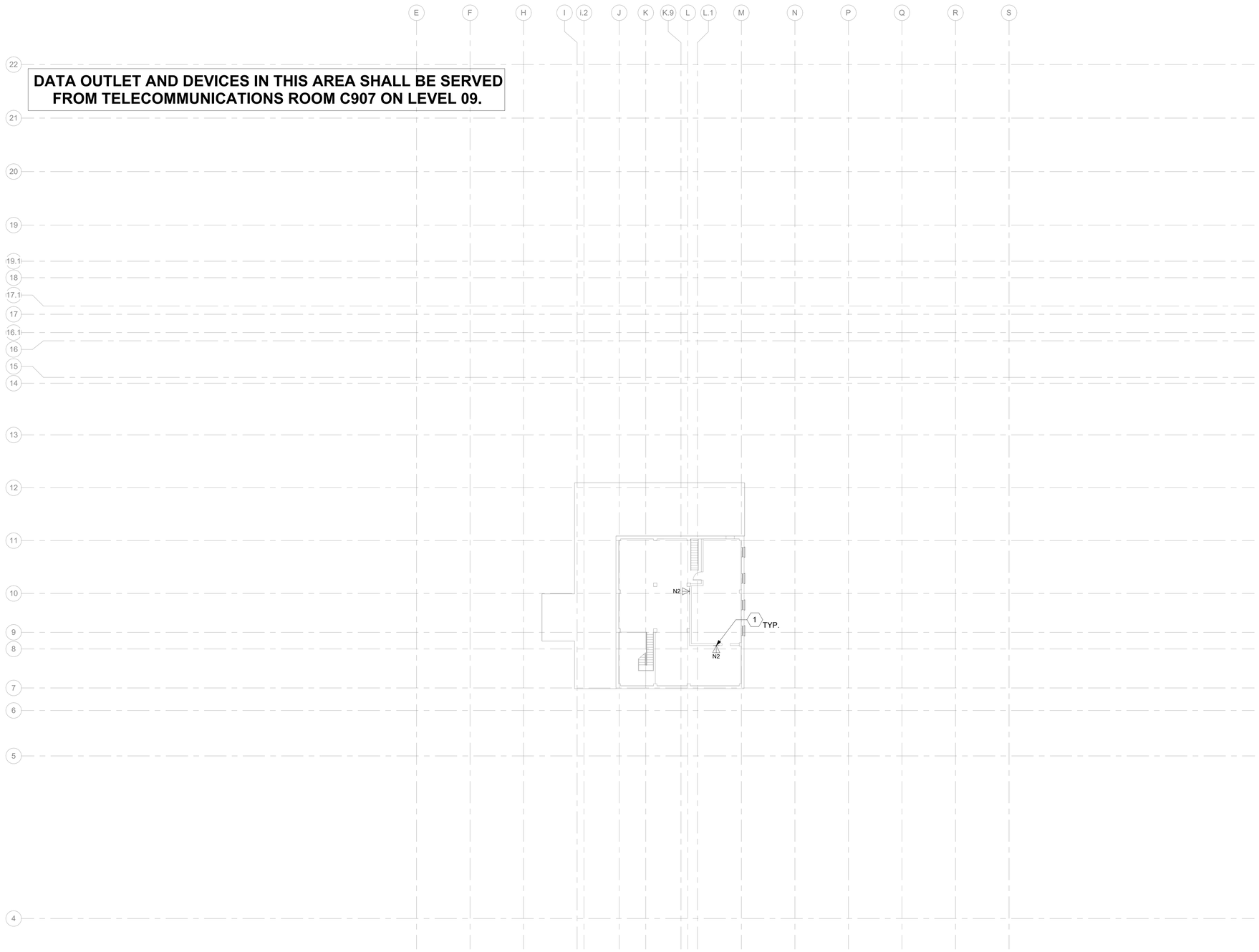
BICSI RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 10 - TELECOMMUNICATIONS PLAN
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Project Number	528A7-22-700
Building Number	01
Drawing Number	01TN110

DATA OUTLET AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM C907 ON LEVEL 09.



1 BLDG 01 - LEVEL 11 - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 8' 16' 32'

GENERAL NOTES

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KEY NOTES

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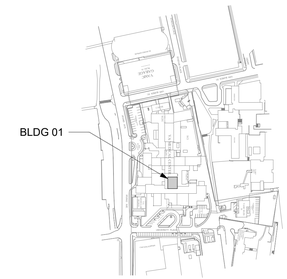
KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

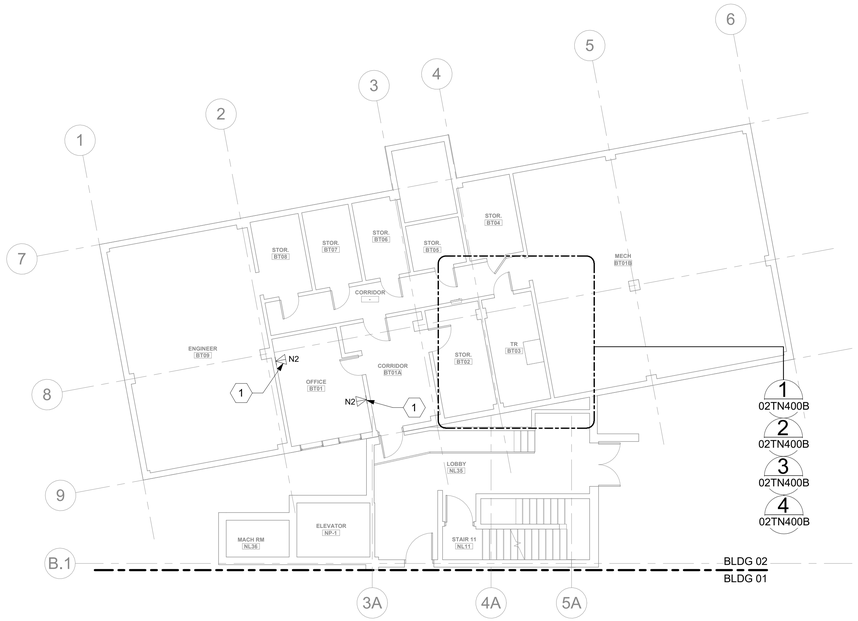
STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG 01 - LEVEL 11 - TELECOMMUNICATIONS PLAN	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	528A7-22-700
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Building Number: 01
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	Drawing Number: 01TN111

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM BT03 .



1 BLDG 02 - LEVEL 00B - TELECOMMUNICATIONS PLAN
1/8" = 1'-0"

PROJECT NORTH
0 4' 8' 16'

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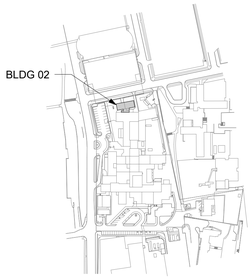
KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
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KENT, WA 98032

SPEESDESIGNBUILD

STAMP

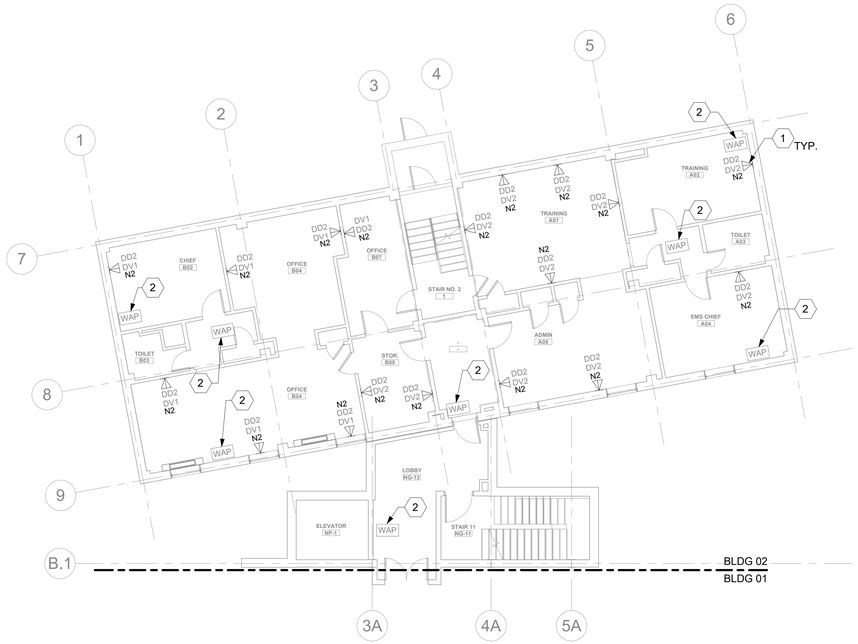
Bicsi
RESTRICTED COMMUNICATIONS DISTRIBUTION DESIGNER
RCDD
Kirk K Orozco
BICSI ID # 510
EXPIRES 12-31-27

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG 02 - LEVEL 00B - TELECOMMUNICATIONS PLAN	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	528A7-22-700
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Building Number: 02
		Issue Date: 08/22/2025; Checked: KG; Drawn: RTS/JGD	Drawing Number: 02TN100B

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM BT03 ON LEVEL 00B.



1 BLDG 02 - LEVEL 00G - TELECOMMUNICATIONS PLAN
1/8" = 1'-0"

PROJECT NORTH

0 4' 8' 16'

GENERAL NOTES

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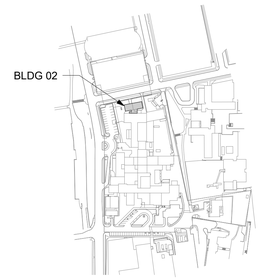
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.

KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

CERTIFIED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
RCDD
CDR-K Group
Certificate 1 - 1 - 1
EXPIRES 12-31-27

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 02 - LEVEL 00G - TELECOMMUNICATIONS PLAN
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Location	VA NY SYRACUSE 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Project Number	528A7-22-700
Building Number	02
Drawing Number	02TN100G

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM BT03 ON LEVEL 00B.

1 BLDG 02 - LEVEL 01 - TELECOMMUNICATIONS PLAN
1/8" = 1'-0"

PROJECT NORTH

0 4' 8' 16'

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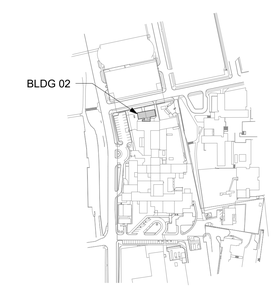
KEY NOTES

1. 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.
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.

KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

CERTIFIED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
CDD-0 0000
DATE EXPIRED 12-31-25
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 02 - LEVEL 01 - TELECOMMUNICATIONS PLAN
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED	
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Location	VA NY SYRACUSE 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Project Number	528A7-22-700
Building Number	02
Drawing Number	02TN101

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM BT03 ON LEVEL 00B.

1 BLDG 02 - LEVEL 02 - TELECOMMUNICATIONS PLAN
1/8" = 1'-0"

PROJECT NORTH

0 4' 8' 16'

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL DATA DEVICES AND ASSOCIATED CABLING AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
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6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" CONDUIT FROM NEW 4"-SQUARE BACKBOX TO ACCESSIBLE CEILING SPACE TO SECURELY ROUTE DATA CABLING FROM OUTLET TO TR VIA CABLE TRAY. IF CABLE TRAY IS NON-EXISTENT, PROVIDE J-HOOKS AS REQUIRED.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
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KEY NOTES

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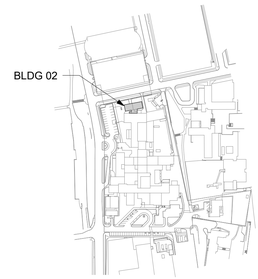
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.

KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

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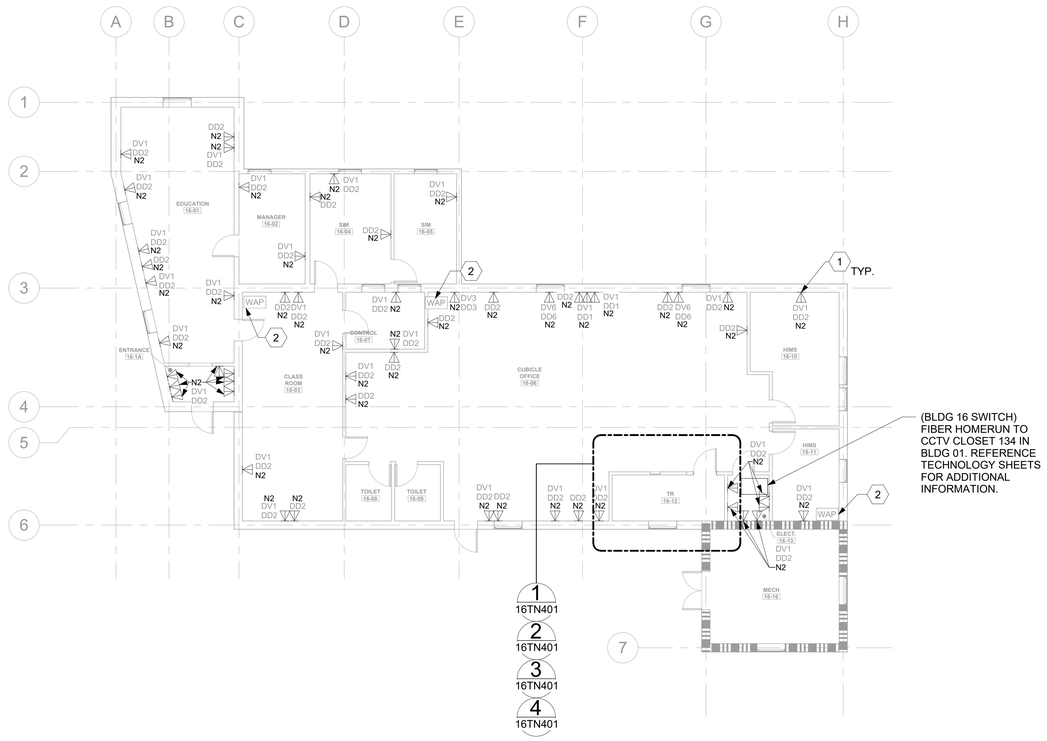
Bicsi
CDDS-0000
DATE EARNED 10-01-2018
EXPIRES 10-01-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 02 - LEVEL 02 - TELECOMMUNICATIONS PLAN
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Location	VA NY SYRACUSE 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Project Number	528A7-22-700
Building Number	02
Drawing Number	02TN102

DATA OUTLET AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM 16-12.



1 BLDG 16 - LEVEL 01 - TELECOMMUNICATIONS PLAN

1/8" = 1'-0"

PROJECT NORTH

0 4' 8' 16'

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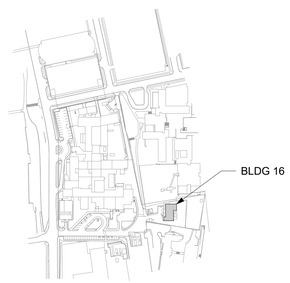
KEY PLAN



AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

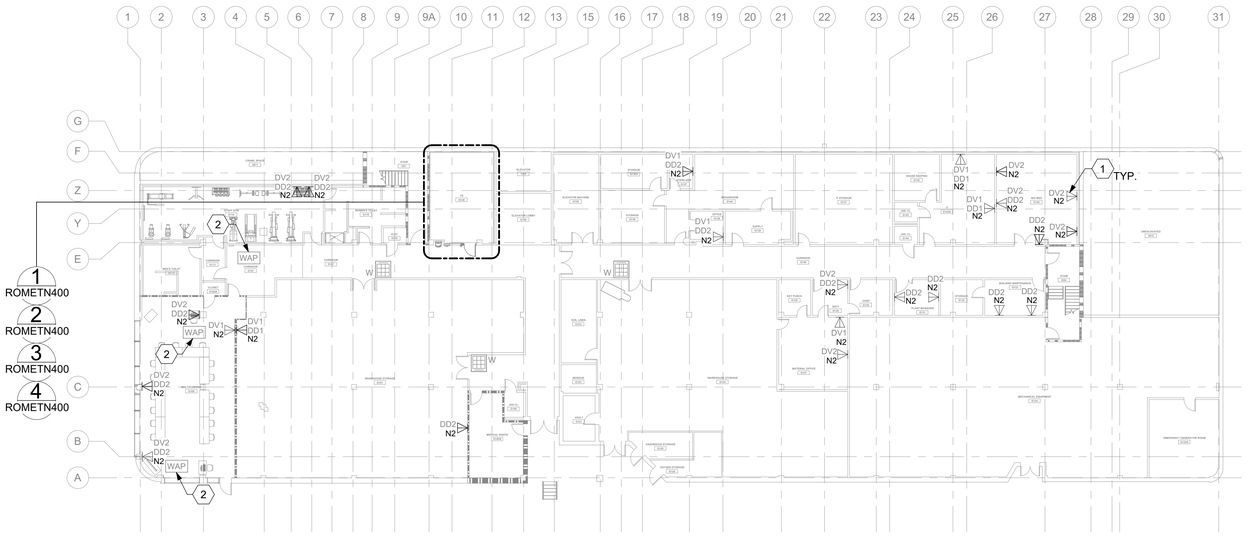
BICSI CERTIFIED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI ID # 152398
EXPIRES 12-31-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 16 - LEVEL 01 - TELECOMMUNICATIONS PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Building Number: 16
		Issue Date: 08/22/2025 / Checked: KG / Drawn: RTS/JGD	Drawing Number: 16TN101

DATA OUTLET AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATIONS ROOM G120.



1 - BLDG ROME - LEVEL 00 - TELECOMMUNICATIONS PLAN

1/16" = 1'-0"

PROJECT NORTH

0 8' 16' 32'

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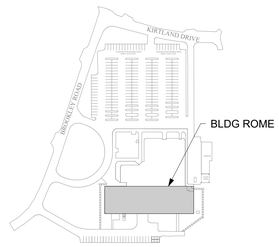

AREA SHOWN

TRUE NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG ROME - LEVEL 00 - TELECOMMUNICATIONS PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	ROME
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE 125 BROOKLEY RD., ROME, NY 13441
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	ROMETN100

VA FORM 08 - 6231

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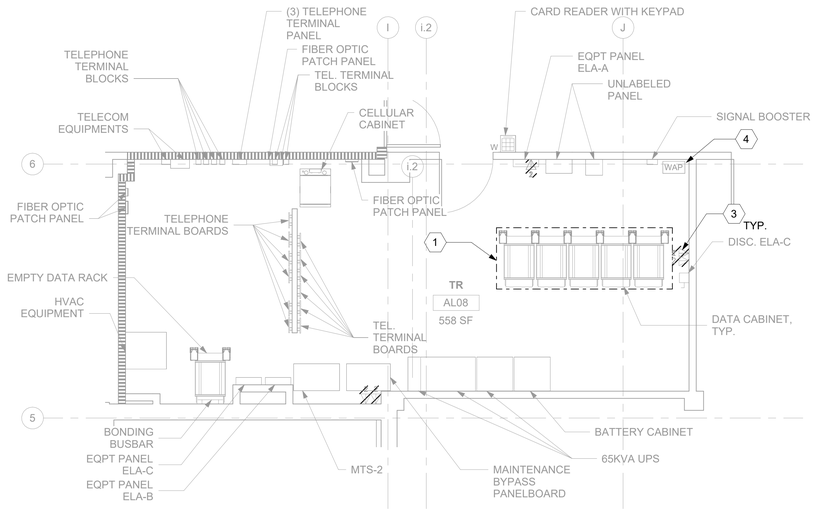
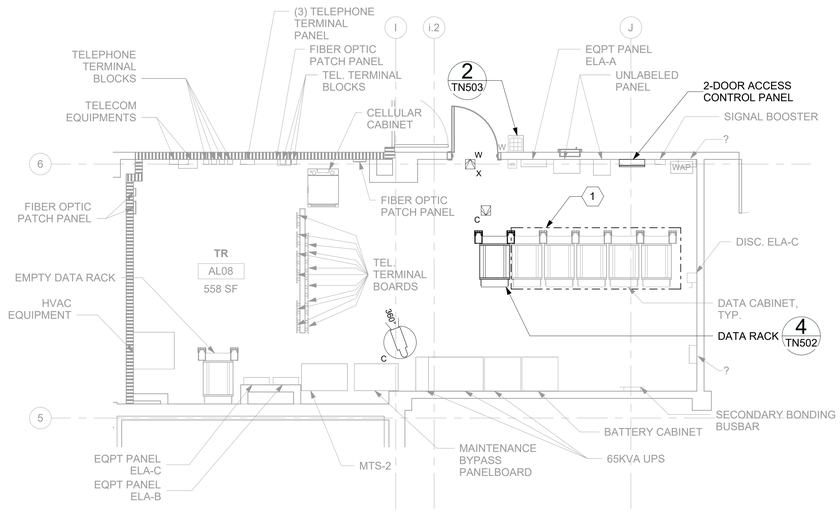
Autodesk Docs://528A7-22-700 VA Syracuse EHRM infrastructure Upgrades/VASY_ROME_EL_SDB.rvt



1 RM AL08 - DEMOLITION FLOOR PLAN
01TN100Ba 1/4" = 1'-0"



2 RM AL08 - TELECOMMUNICATIONS PLAN
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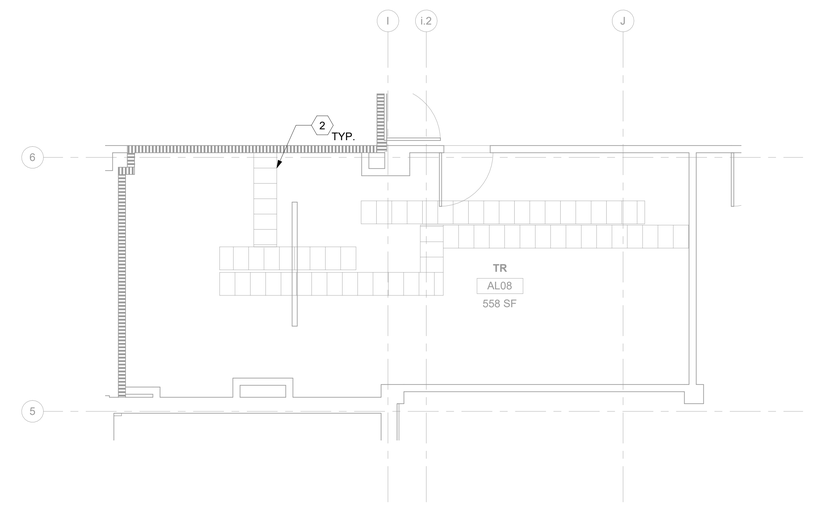
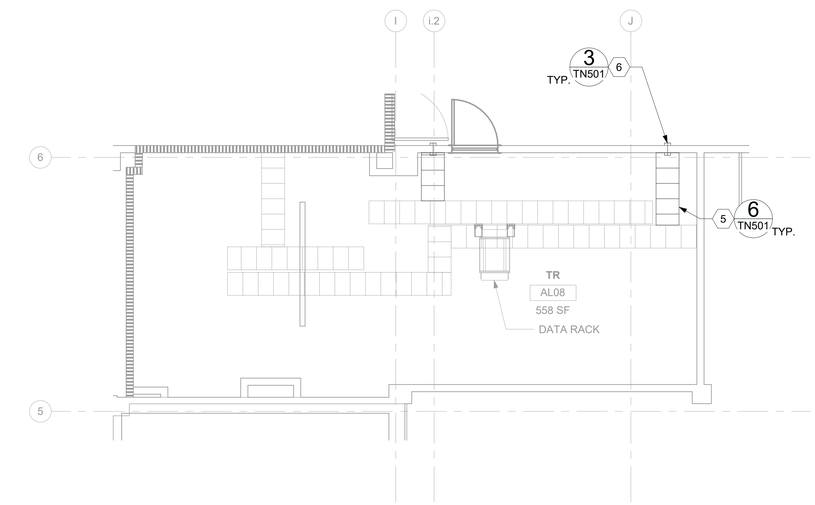


3 RM AL08 - DEMOLITION OVERHEAD PLAN
01TN100Ba 1/4" = 1'-0"



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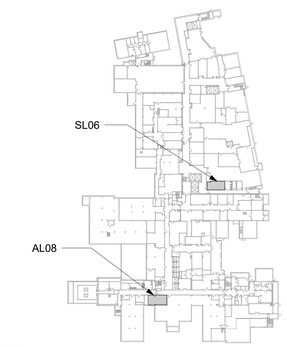
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. TELEPHONE SERVER CABINETS TO REMAIN.
2. EXISTING CABLE TRAY.
3. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
4. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.
5. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
6. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00B - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN400Ba

VA FORM 08 - 6231

19/05/2025 4:58:11 am

Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
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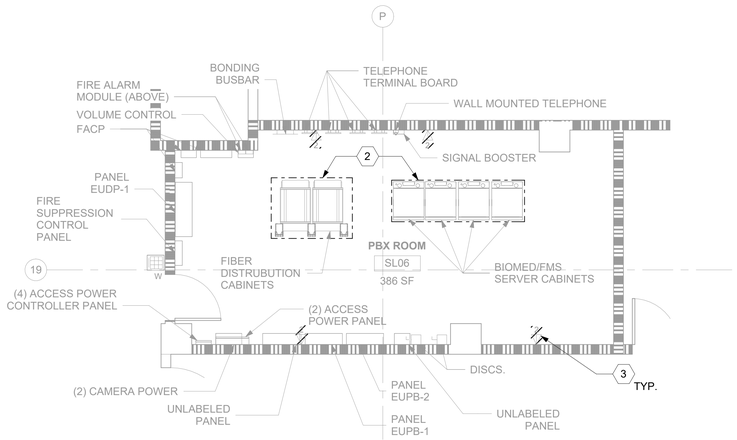
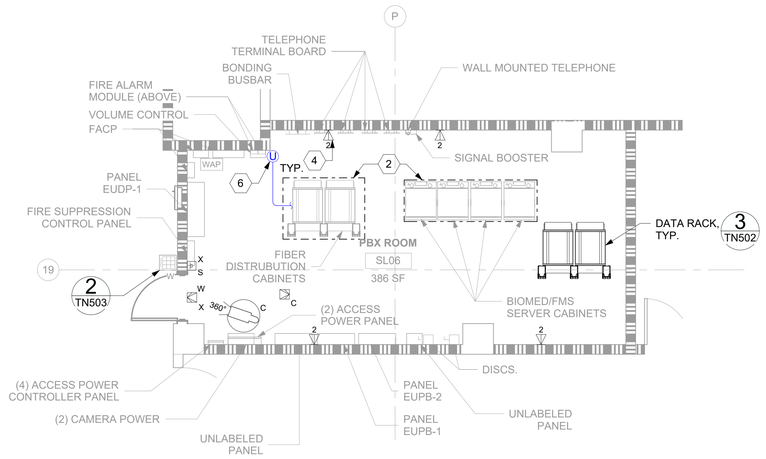


1 RM SL06 - DEMOLITION FLOOR PLAN
01TN100Ba 1/4" = 1'-0"



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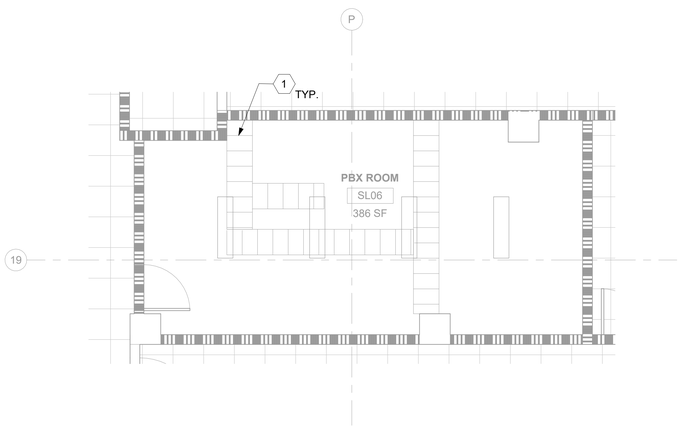
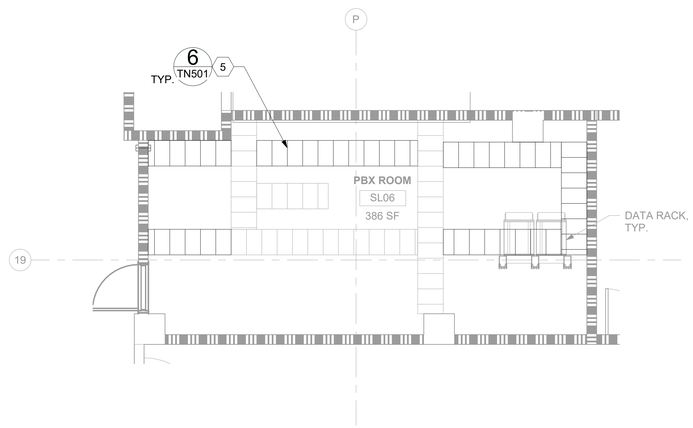


3 RM SL06 - DEMOLITION OVERHEAD PLAN
01TN100Ba 1/4" = 1'-0"



4 RM SL06 - OVERHEAD PLAN
01TN100Ba 1/4" = 1'-0"

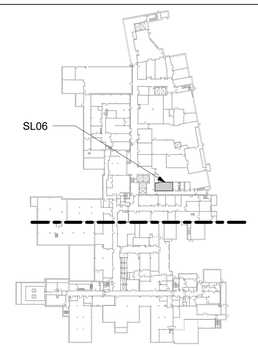
GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING CABLE TRAY.
2. BIOMED/FMS SERVER CABINETS AND FIBER DISTRIBUTION CABINETS TO REMAIN.
3. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND 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.
5. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
6. 48-STRAND SM BIOMED UMBILICAL CORD ROUTED VERTICALLY TO ROOM "SG95" LOCATED ON ABOVE FLOOR. REFERENCE SHEET 01TN400Ga FOR ADDITIONAL INFORMATION.

KEY PLAN



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Revisions:	Date:

CONSULTANT/ DISCIPLINE

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SPEES DESIGN BUILD
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KENT, WA 98032
SPEESDESIGNBUILD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

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Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
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Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN400Bb

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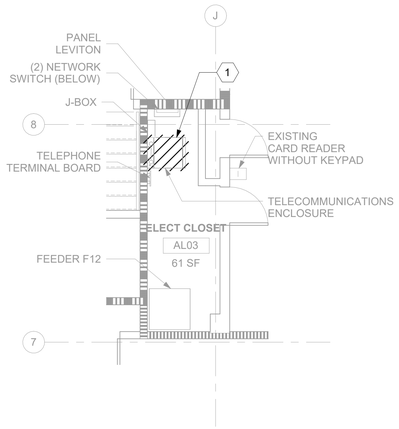
Autodesk Docs://528A7-22-700
VA Syracuse EHRM infrastructure Upgrades/VASY_01.00B_EL_SDB.rvt



1 RM AL03 - DEMOLITION FLOOR PLAN

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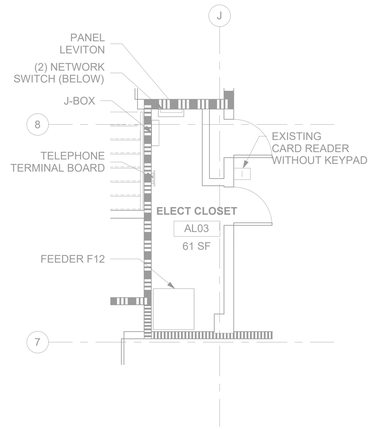
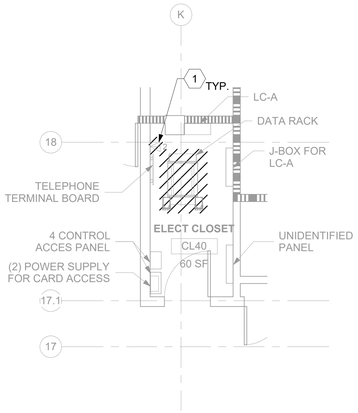


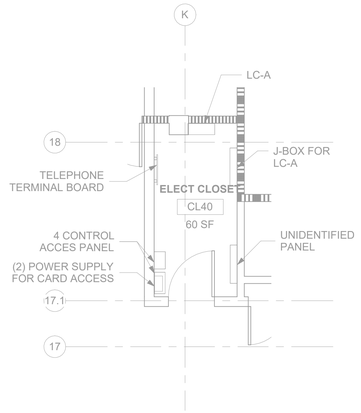
2 RM AL03 - TELECOMMUNICATIONS PLAN

01TN100Ba 1/4" = 1'-0"



3 RM CL40 - DEMOLITION FLOOR PLAN

01TN100Ba 1/4" = 1'-0"



4 RM CL40 - TELECOMMUNICATIONS PLAN

01TN100Ba 1/4" = 1'-0"

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
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13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.

KEY PLAN

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Revisions:	Date:

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DISCIPLINE:

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A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

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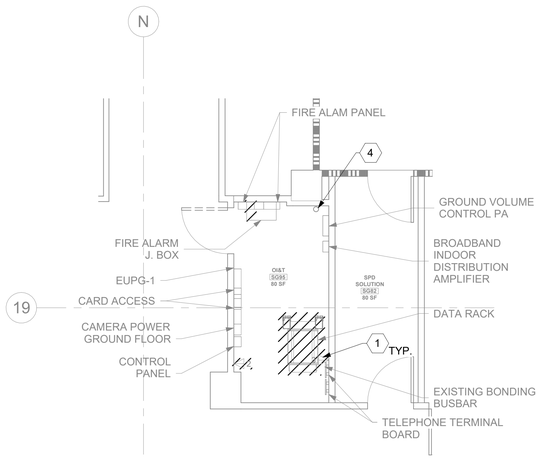
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00B - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN400Bc



1 RM SG95 - DEMOLITION FLOOR PLAN
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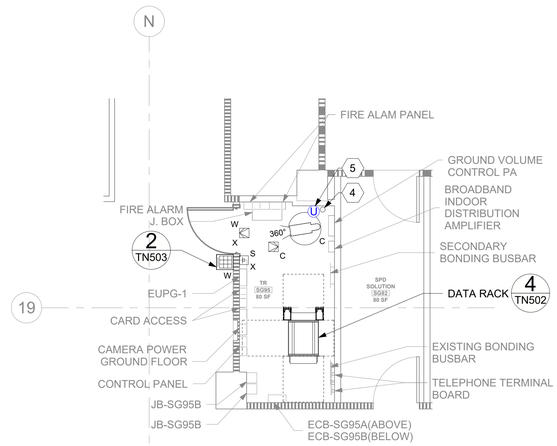

2 RM SG95 - TELECOMMUNICATIONS PLAN
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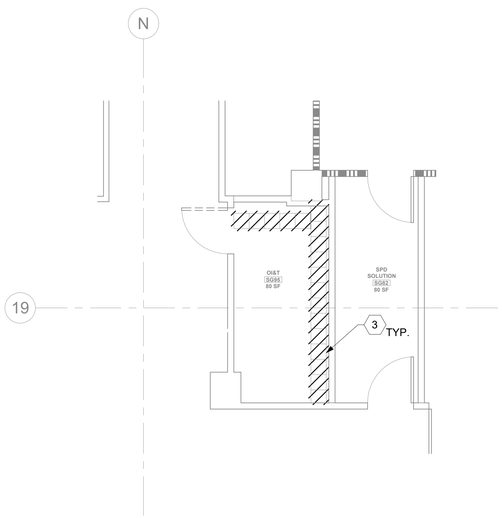
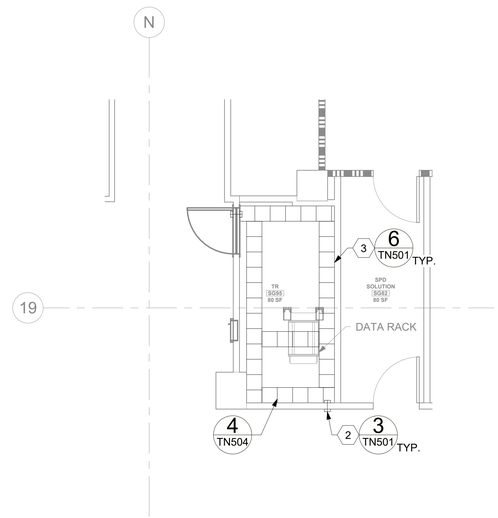


3 RM SG95 - DEMOLITION OVERHEAD PLAN
01TN100Ga 1/4" = 1'-0"



4 RM SG95 - OVERHEAD PLAN
01TN100Ga 1/4" = 1'-0"

GENERAL NOTES

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4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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 CONDUIT AND WIRE SHALL BE DEMOLISHED BACK TO SOURCE.
2. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY ATLEAST 10-FT.
3. EXISTING CABLE TRAY TO BE DEMOLISHED.
4. EXISTING VERTICAL CABLING SLEEVES (QTY = 8) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.
5. 48-STRAND SM BIOMED UMBILICAL CORD ROUTED VERTICALLY FROM ROOM "SL06" ON FLOOR BELOW AND CONTINUES TO RM "S196" ON FLOOR ABOVE. REFERENCE SHEETS 01TN400Bb AND 01TN401a FOR ADDITIONAL INFORMATION.

KEY PLAN

AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

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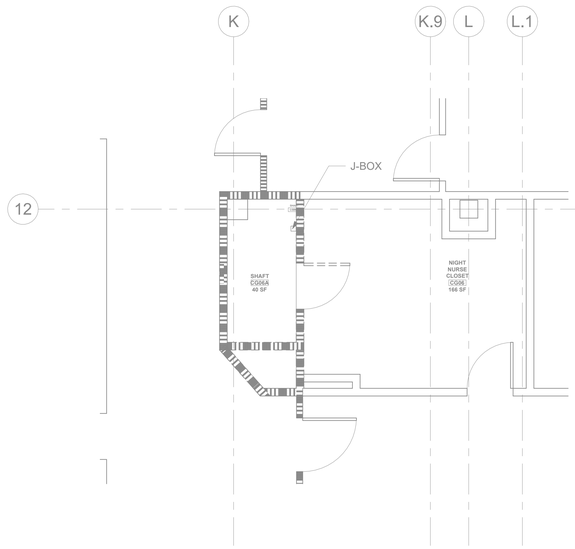
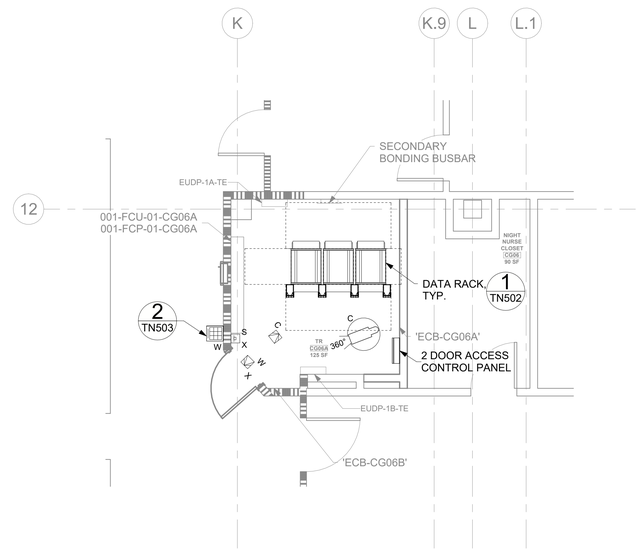
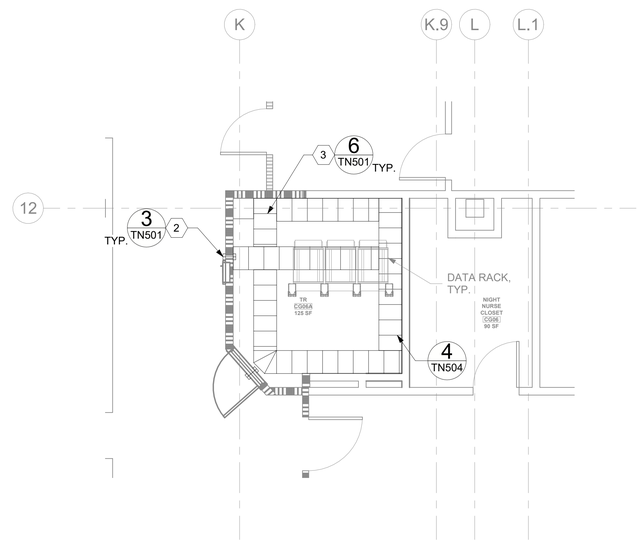


1 RM CG06A & CG06 - DEMOLITION FLOOR PLAN
01TN100Gb 1/4" = 1'-0"



2 RM CG06A - TELECOMMUNICATIONS PLAN
01TN100Gb 1/4" = 1'-0"



3 NOT USED
01TN100Ga NTS

4 RM CG06A - OVERHEAD PLAN
01TN100Ga 1/4" = 1'-0"

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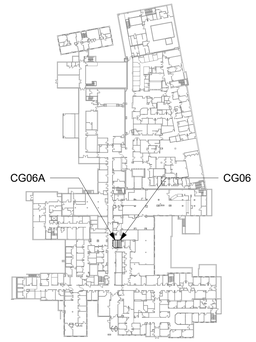
2. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES AND THE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY ATLEAST 10-FT.
3. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00G - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN400Gb

VA FORM 08 - 6231
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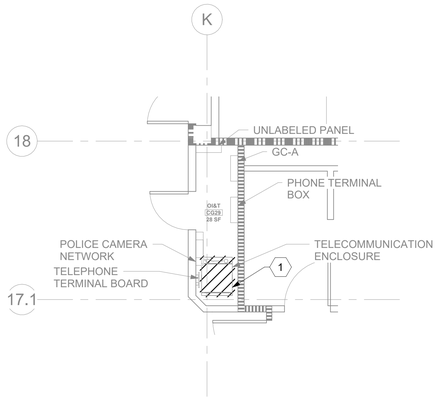
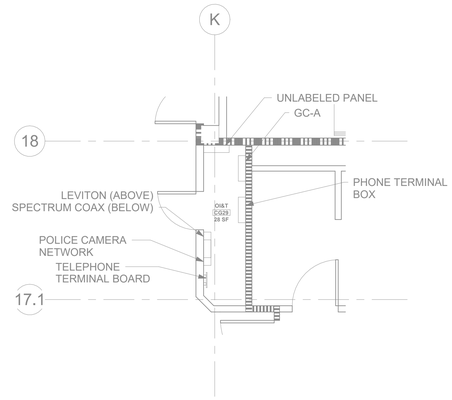
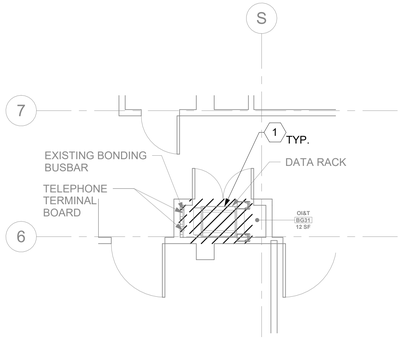
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.00G_EL_SDB.rvt



1 RM CG29 - DEMOLITION FLOOR PLAN
01TN100Ga 1/4" = 1'-0"



2 RM CG29 - TELECOMMUNICATIONS PLAN
01TN100Ga 1/4" = 1'-0"



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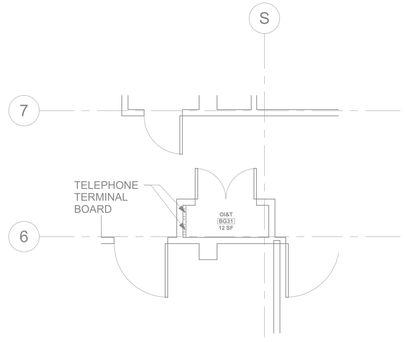
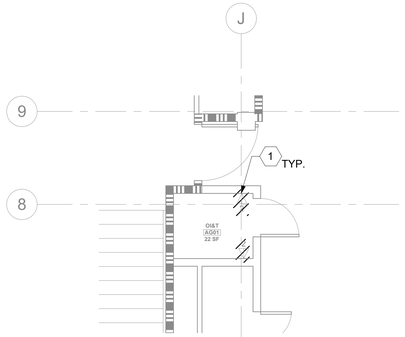
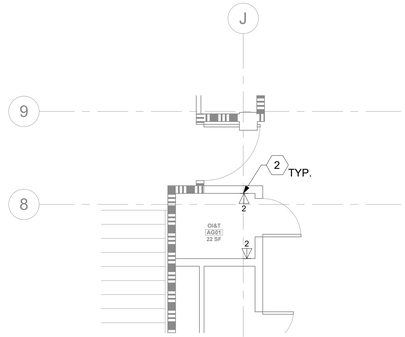


4 RM BG31 - TELECOMMUNICATIONS PLAN
01TN100Gb 1/4" = 1'-0"



5 RM AG01 - DEMOLITION FLOOR PLAN
01TN100Gb 1/4" = 1'-0"



6 RM AG01 - TELECOMMUNICATIONS PLAN
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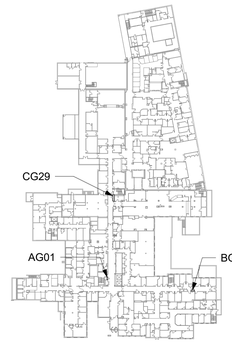
KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00G - ENLARGED TELECOMMUNICATIONS PLANS
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Project Number	528A7-22-700
Building Number	01
Drawing Number	01TN400Gc

VA FORM 08 - 6231

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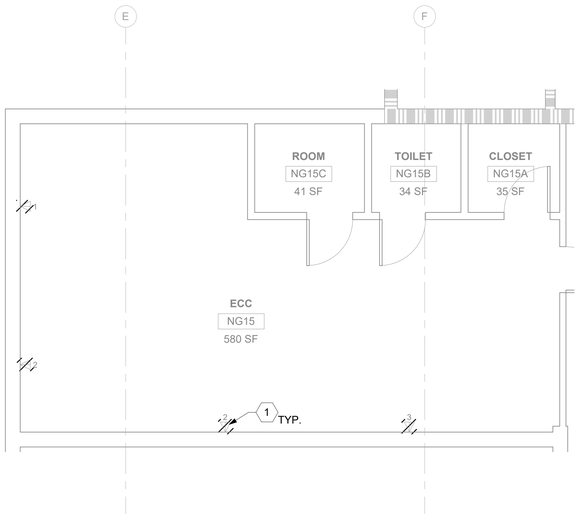
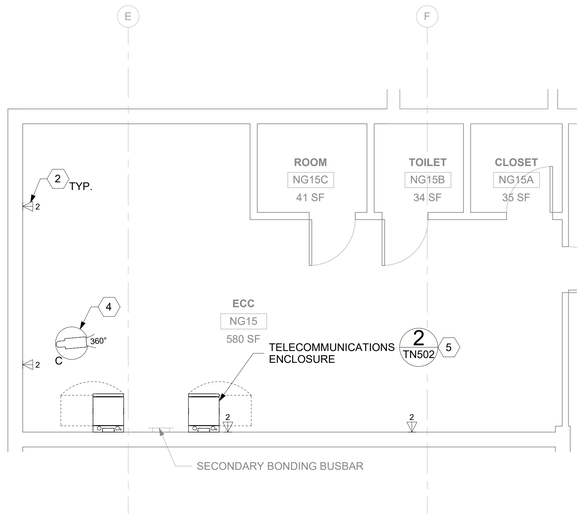
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.00G_EL_SDB.rvt



1 RM NG15 - DEMOLITION FLOOR PLAN
01TN100Ga 1/4" = 1'-0"



2 RM NG15 - TELECOMMUNICATIONS PLAN
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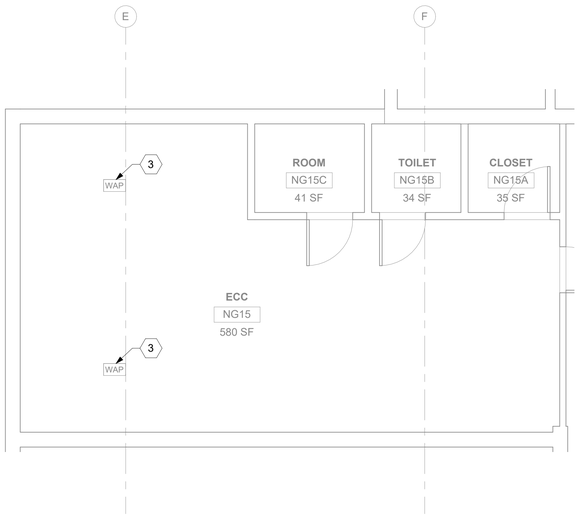
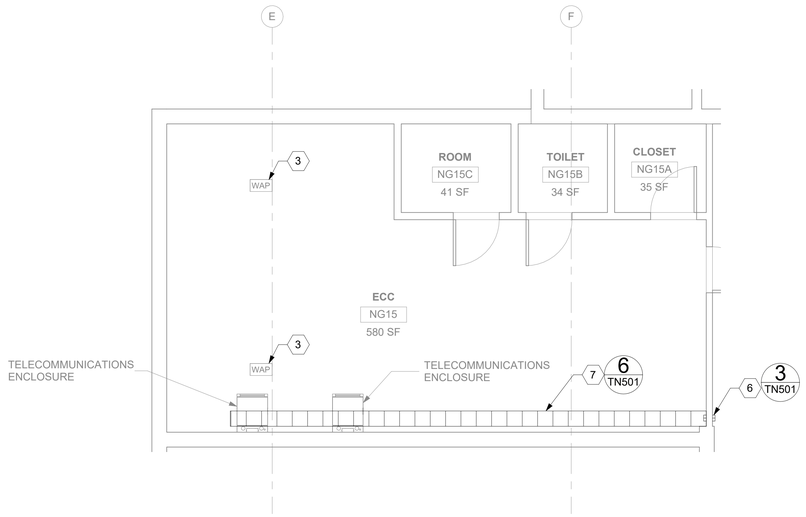


3 RM NG15 - DEMOLITION OVERHEAD PLAN
01TN100Ga 1/4" = 1'-0"



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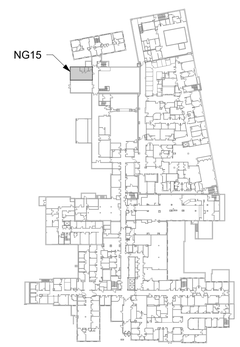
3. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.
4. PROVIDE (1) CAT6A CABLE FOR ADDED SECURITY CAMERA.
5. EQUIPMENT SWINGS AWAY FROM WALL ON HINGES TO ALLOW BACK-DOOR ACCESS.
6. PROVIDE FIRE STOP SLEEVES AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
7. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 00G - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN400Gd
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

VA FORM 08 - 6231

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VA Syracuse EHRM
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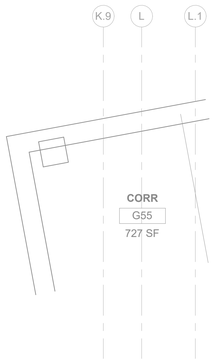
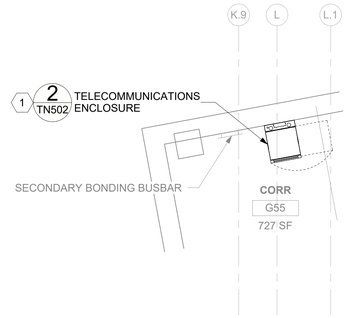
Upgrades/VASY_01.00G_EL_SDB.rvt



1 01TN100Ga CORRIDOR G55 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"



2 01TN100Ga CORRIDOR G55 - TELECOMMUNICATIONS PLAN
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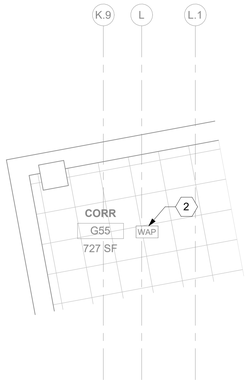

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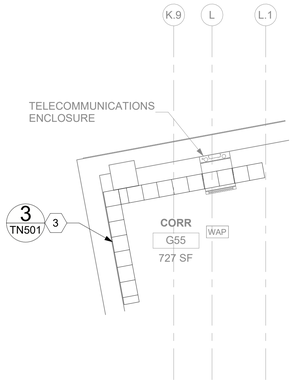

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2. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES AND THE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EQUIPMENT SWINGS AWAY FROM WALL ON HINGES TO ALLOW BACK-DOOR ACCESS.
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH (2) CAT6A CABLES.
3. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.

KEY PLAN

AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

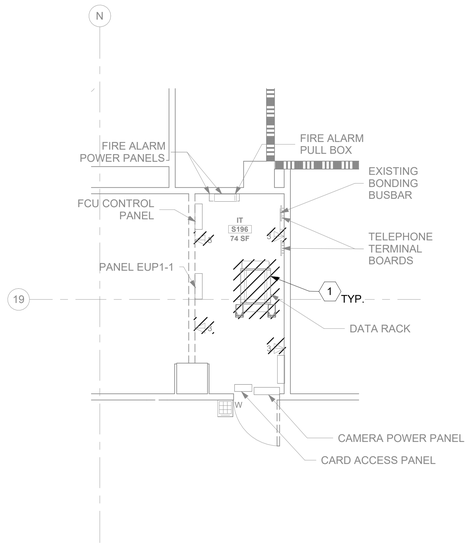
A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

STAMP

Office of Construction and Facilities Management

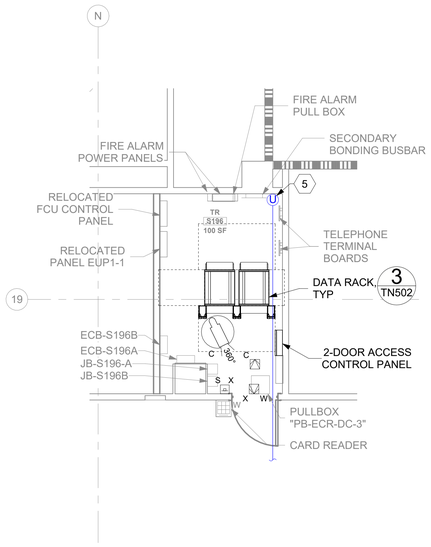
VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 00G - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN400Ge



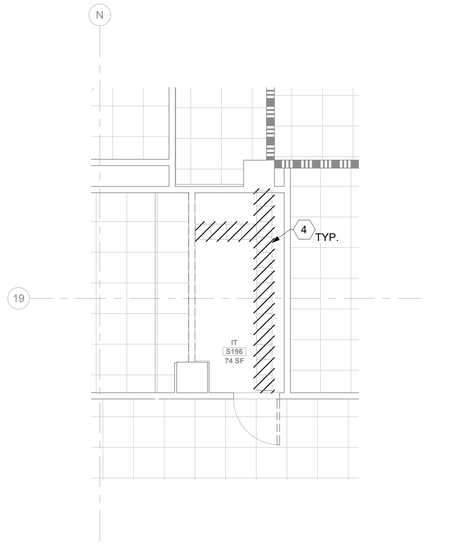
1 01TN101a RM S196 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



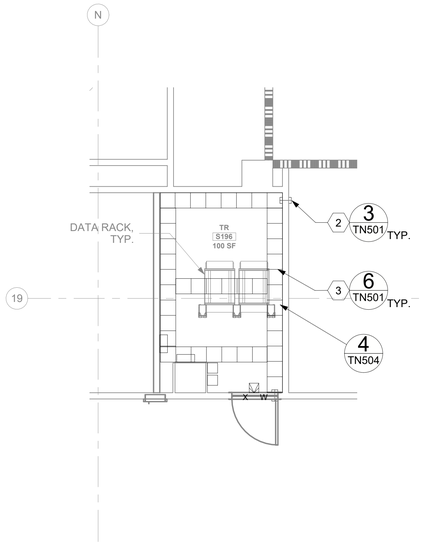
2 01TN101a RM S196 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN101a RM S196 - DEMOLITION OVERHEAD PLAN

1/4" = 1'-0"



4 01TN101a RM S196 - OVERHEAD PLAN

1/4" = 1'-0"

GENERAL NOTES

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4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
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13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
3. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
4. EXISTING CABLE TRAY TO BE DEMOLISHED.
5. 48-STRAND SM BIOMED UMBILICAL CORD ROUTED VERTICALLY FROM ROOM "SG95" ON FLOOR BELOW. REFERENCE SHEETS 01TN400Ga FOR ADDITIONAL INFORMATION.

KEY PLAN

AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN401a

VA FORM 08 - 6231

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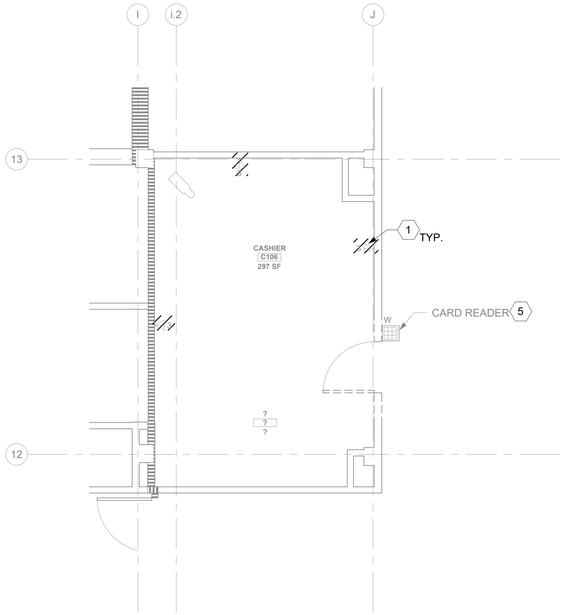
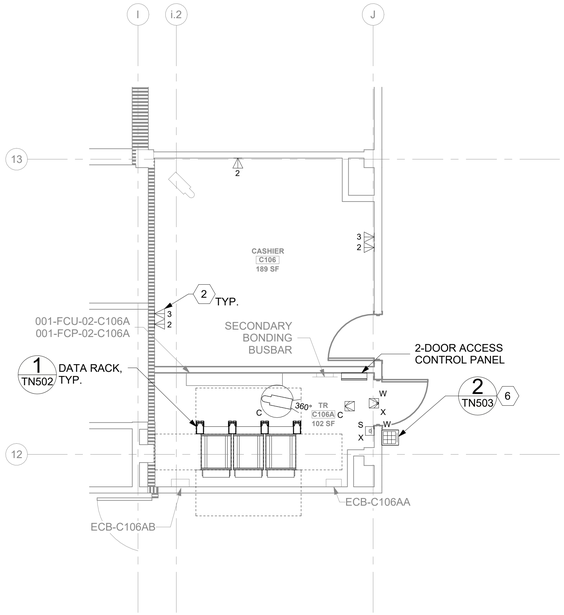
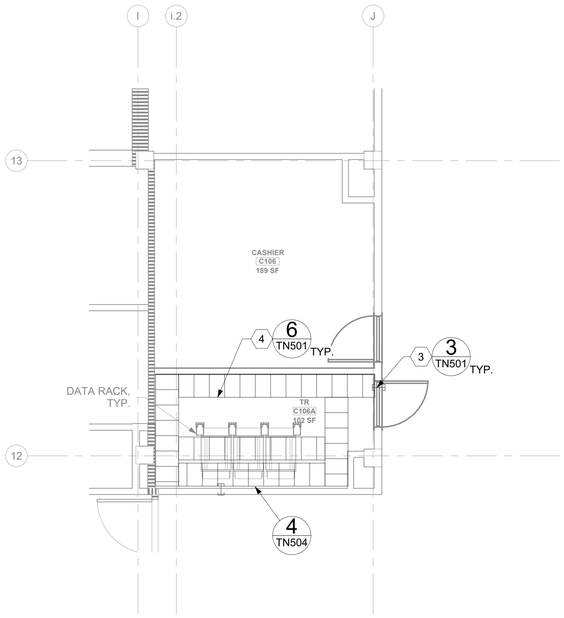


1 RM C106 - DEMOLITION FLOOR PLAN
01TN101b 1/4" = 1'-0"



2 RM C106A - TELECOMMUNICATIONS PLAN
01TN101b 1/4" = 1'-0"



3 NOT USED
01TN101b NTS

4 RM C106A - OVERHEAD PLAN
01TN101b 1/4" = 1'-0"

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8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
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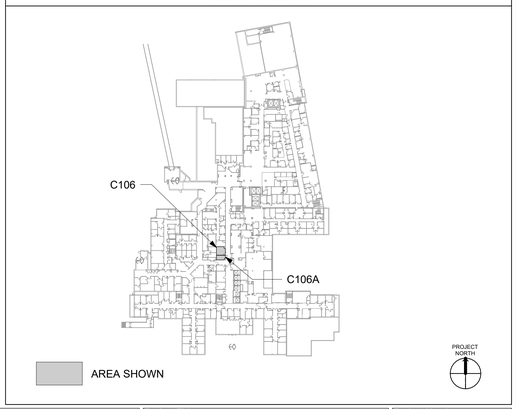
KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. 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.
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. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
5. EXISTING EQUIPMENT TO BE RELOCATED AS SHOWN IN DETAIL "2" ON THIS SHEET.
6. RELOCATED EQUIPMENT. EXTEND CONDUIT AND WIRE AS REQUIRED.

KEY PLAN



Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN401b

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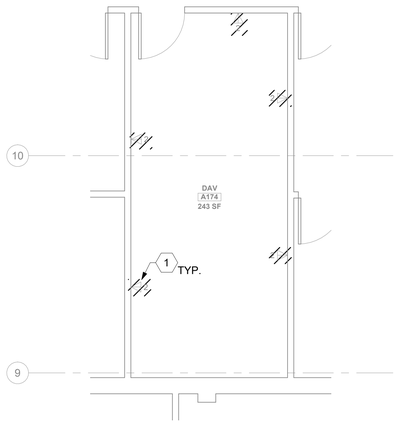
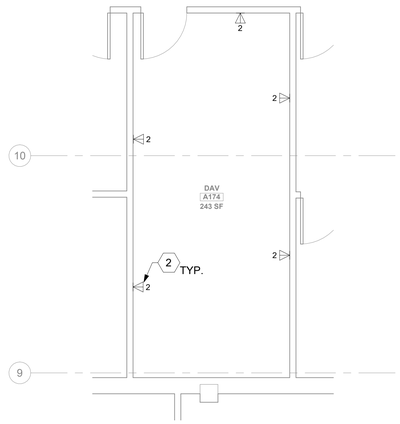
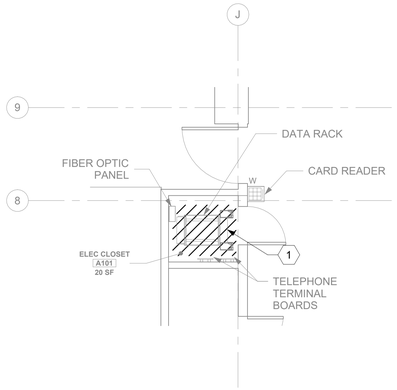
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.1_EL_SDB.rvt



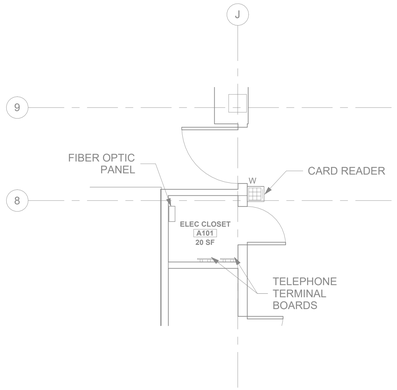
1 01TN101b RM A174 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"



2 01TN101b RM A174 - TELECOMMUNICATIONS PLAN
1/4" = 1'-0"



3 01TN101b RM A101 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"



4 01TN101b RM A101 - TELECOMMUNICATIONS PLAN
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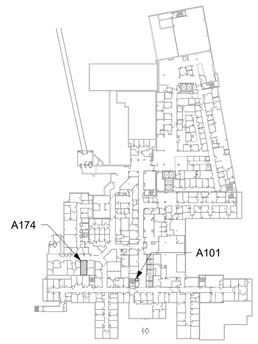
KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

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Office of Construction and Facilities Management

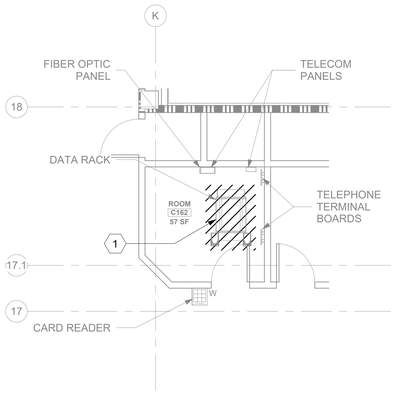
VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN401c

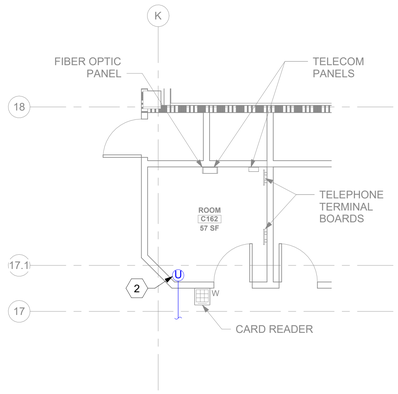
VA FORM 08 - 6231

19/05/2025 4:14:10 am

Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.1_EL_SDB.rvt



1 RM C162 - DEMOLITION FLOOR PLAN
01TN101a 1/4" = 1'-0"



2 RM C162 - TELECOMMUNICATIONS PLAN
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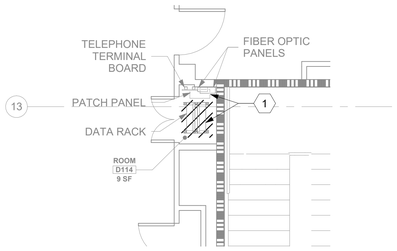

3 RM B247- DEMOLITION FLOOR PLAN
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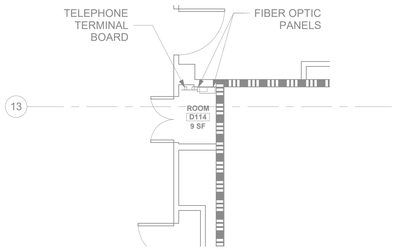

4 RM B247 - TELECOMMUNICATIONS PLAN
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GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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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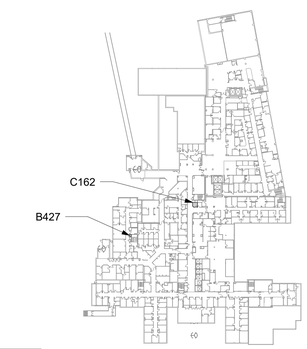
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. 48-STRAND SM BIOMED UMBILICAL CORD ROUTED VERTICALLY TO ROOM "C211" ON FLOOR ABOVE. REFERENCE SHEETS 01TN402b FOR ADDITIONAL INFORMATION.

KEY PLAN



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Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

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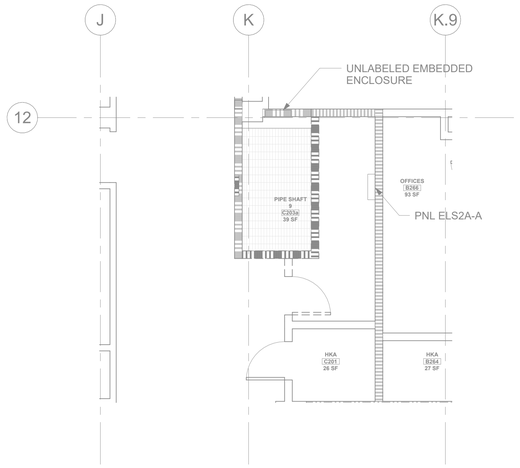
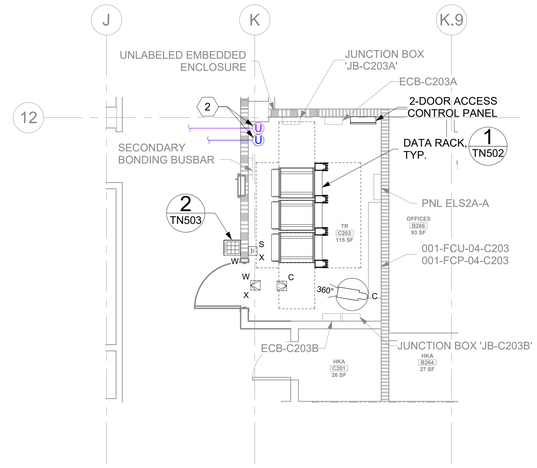
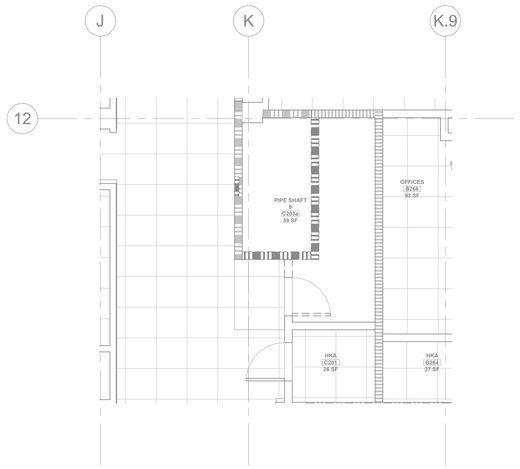


1 01TN102b RM C203 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"



2 01TN102b RM C203 - TELECOMMUNICATIONS PLAN
1/4" = 1'-0"



3 01TN102b RM C203 - DEMOLITION OVERHEAD PLAN
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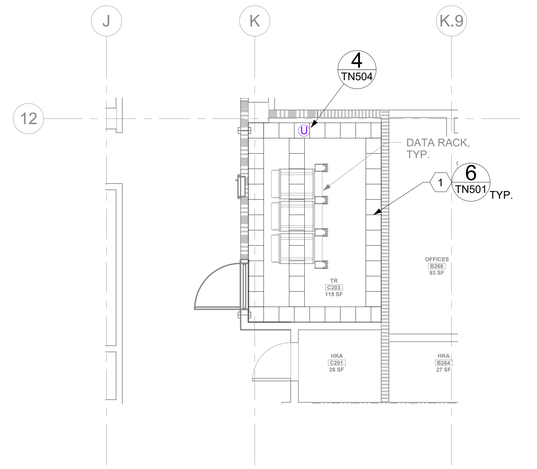

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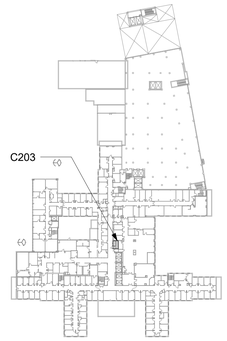
KEY NOTES

1. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
2. 48-STRAND SM BIOMED UMBILICAL CORD AND 24-STRAND OM4 / 48-STRAND SM UMBILICAL CORD ROUTED VERTICALLY TO TR "C303" ON FLOOR ABOVE. REFERENCE SHEET 01TN403a FOR ADDITIONAL INFORMATION.

KEY PLAN



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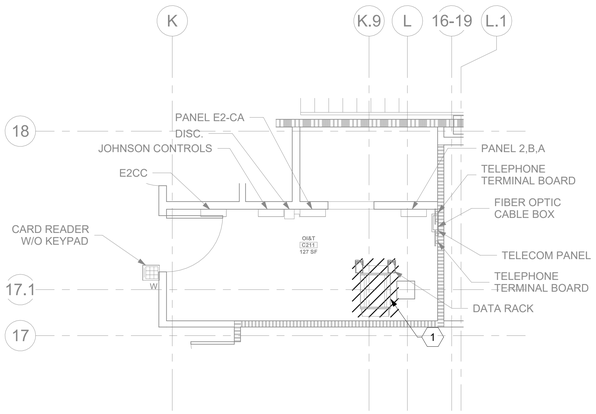

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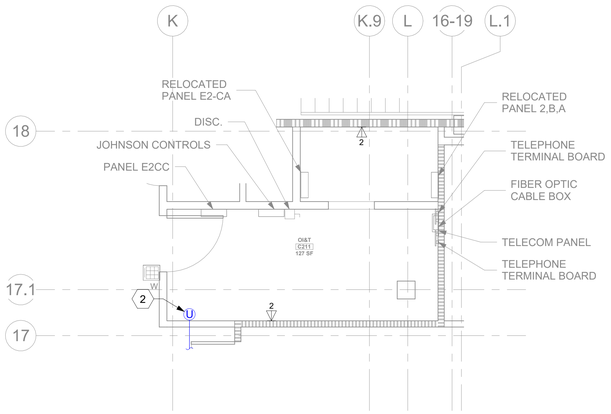

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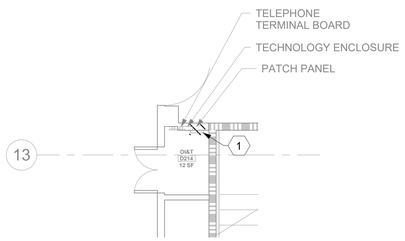
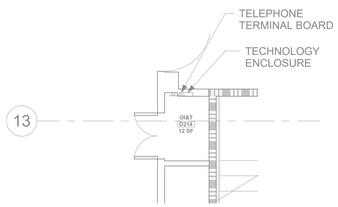


3 RM D214 - DEMOLITION FLOOR PLAN
01TN102b 1/4" = 1'-0"



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KEY NOTES

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2. 48-STRAND SM BIOMED UMBILICAL CORD ROUTED VERTICALLY FROM ROOM "C162" ON FLOOR BELOW. REFERENCE SHEETS 01TN401d FOR ADDITIONAL INFORMATION.

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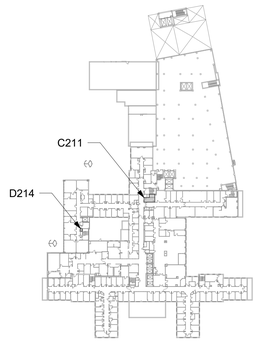

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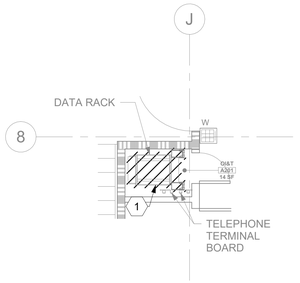

1 01TN102b RM A201 - DEMOLITION FLOOR PLAN

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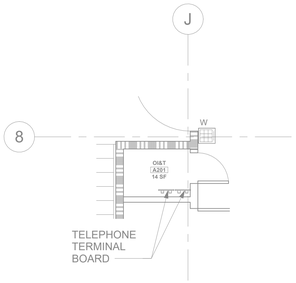

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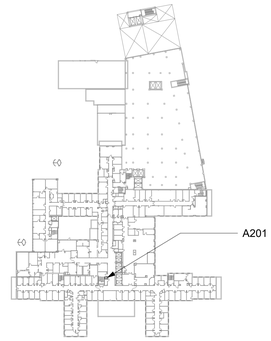
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. PROVIDE CONDUITS AND SLEEVES AS REQUIRED FOR ROUTING AND INSTALLATION OF HORIZONTAL AND BACKBONE CABLING. PROVIDE FIRE-STOP MATERIALS TO SEAL IN AND AROUND CONDUIT PER CODE. REFER TO ARCHITECTURAL DRAWINGS FOR PARTITION TYPES AND WALL HEIGHTS.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED CONDUIT AND WIRE SHALL BE DEMOLISHED BACK TO SOURCE.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

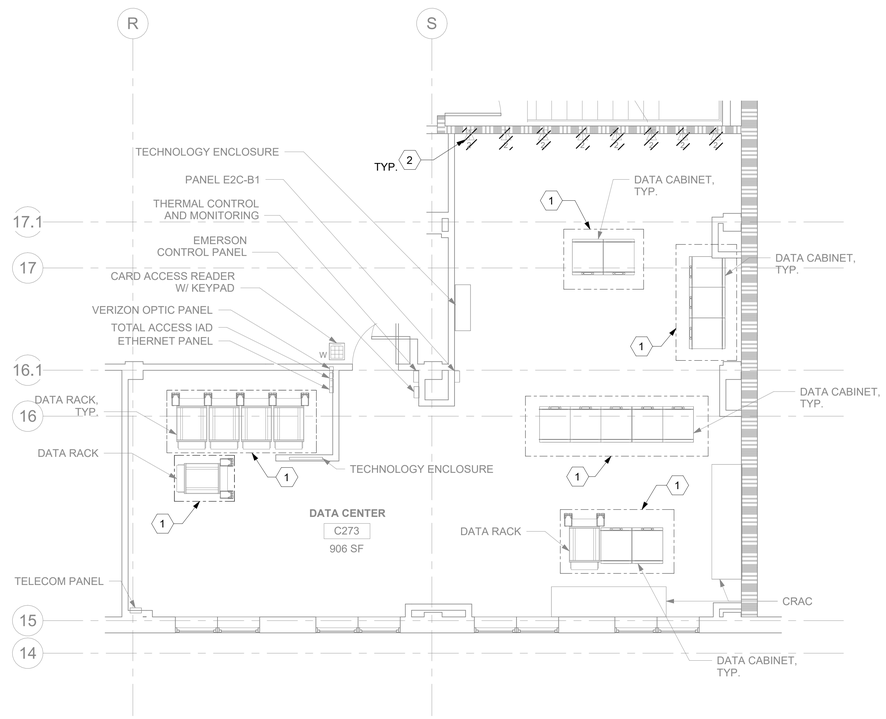
SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

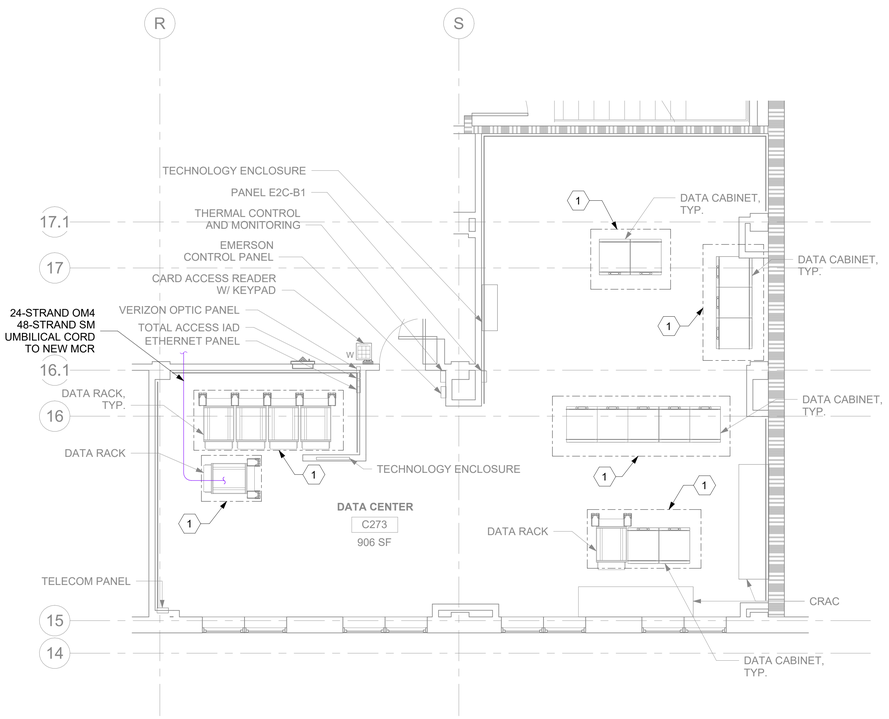
VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 02 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN402c



1 01TN102a RM C273 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



2 01TN102a RM C273 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
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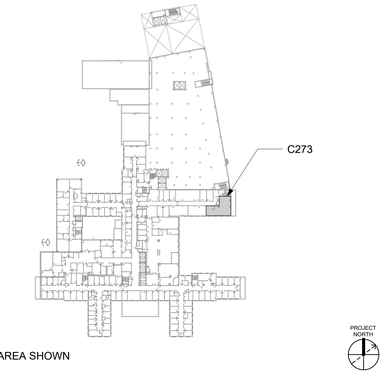
KEY NOTES

1. SERVER CABINETS TO BE DECOMMISSIONED BY OIT AT A LATER DATE. CONTRACTOR SHALL RE-FEED ALL OIT ACTIVE EQUIPMENT WITHIN DATA RACKS WITH CAT6A CABLING. CONTRACTOR TO COORDINATE WITH THE VA TO ENSURE NO SERVICE DISRUPTIONS.
2. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.

KEY PLAN



Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

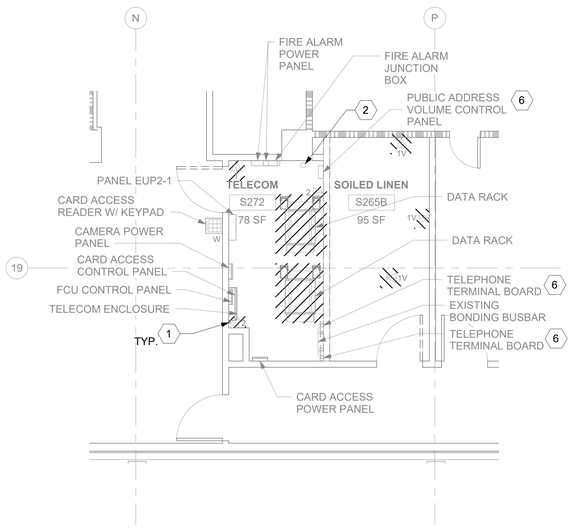
SPEESDESIGNBUILD

STAMP

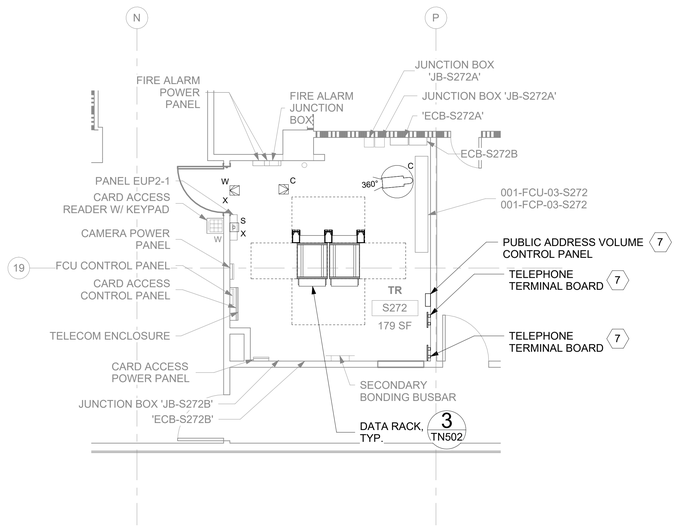
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

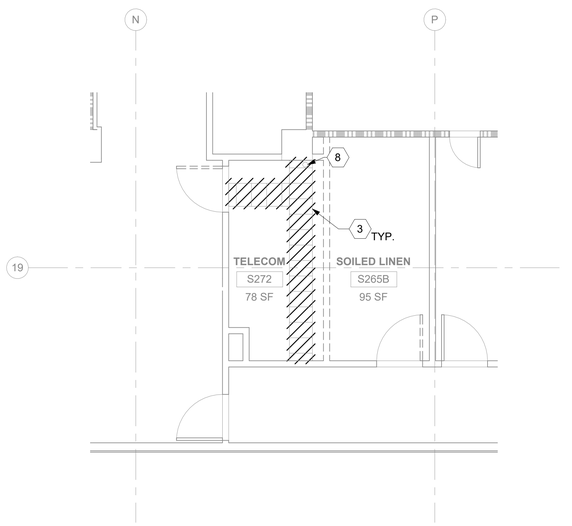
Drawing Title	BLDG 01 - LEVEL 02 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN402d



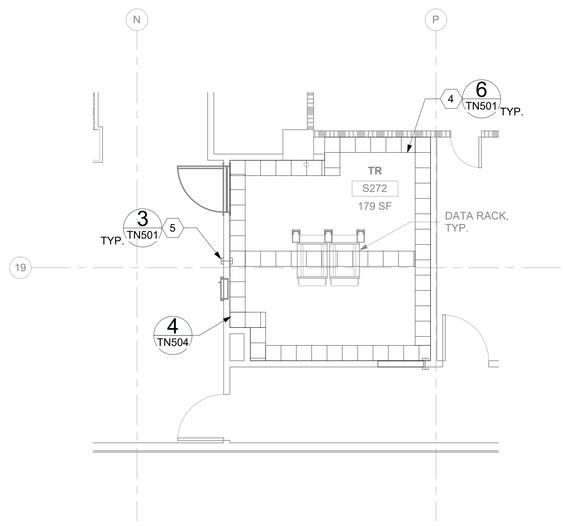
1 RM S272 & S265B - DEMOLITION FLOOR PLAN
01TN102.5 1/4" = 1'-0"



2 RM S272 - TELECOMMUNICATIONS PLAN
01TN102.5 1/4" = 1'-0"



3 RM S272 & S265B - DEMOLITION OVERHEAD PLAN
01TN102.5 1/4" = 1'-0"



4 RM S272 - OVERHEAD PLAN
01TN102.5 1/4" = 1'-0"

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
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KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. EXISTING VERTICAL CABLING SLEEVES (QTY = 4) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.
3. EXISTING CABLE TRAY TO BE DEMOLISHED.
4. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
5. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
6. EXISTING EQUIPMENT TO BE RELOCATED AS SHOWN IN DETAIL '2' ON THIS SHEET.
7. RELOCATED EQUIPMENT. EXTEND CONDUIT AND WIRE AS REQUIRED.
8. EXISTING VERTICAL CABLING SLEEVES (QTY = 2) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.

KEY PLAN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032
SPEESDESIGNBUILD

STAMP
BICSI Kris K Orcod BICSI ID # 722258 EXPIRES 12-31-27 RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 02.5 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN402.5
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

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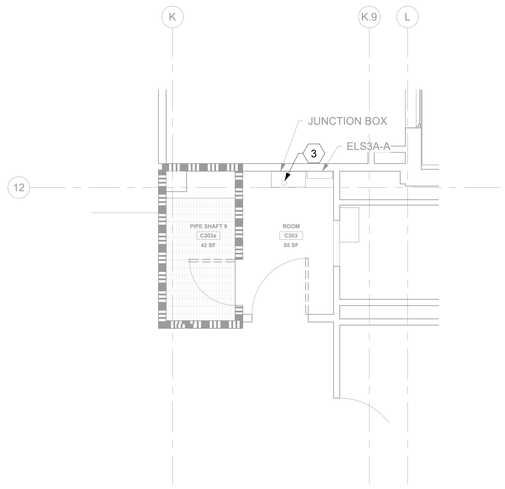
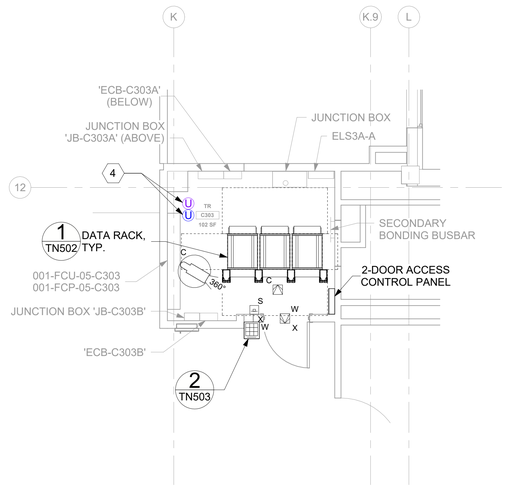


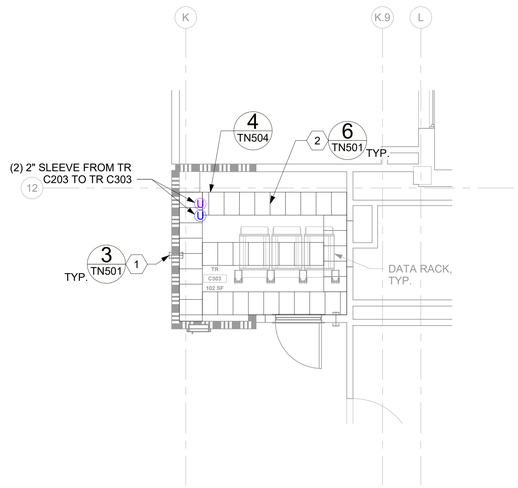
1 01TN103a RM C303a & C303 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



2 01TN103a RM C303 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN103a NOT USED

NTS

4 01TN103a RM C303 - OVERHEAD PLAN

1/4" = 1'-0"

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
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5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
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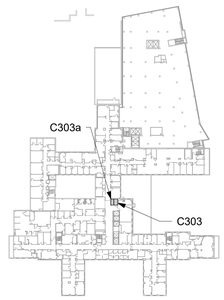
KEY NOTES

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. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
3. EXISTING VERTICAL CABLING SLEEVES (QTY = 2) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.
4. 48-STRAND SM BIOMED UMBILICAL CORD AND 24-STRAND OM4 / 48-STRAND SM UMBILICAL CORD ROUTED VERTICALLY FROM TR "203" ON FLOOR BELOW TO TR "C403A" ON FLOOR ABOVE. REFERENCE SHEETS 01TN402a AND 01TN404b FOR ADDITIONAL INFORMATION.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 03 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	
FULLY SPRINKLERED	
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN403a

VA FORM 08 - 6231

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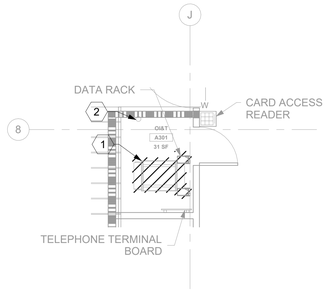
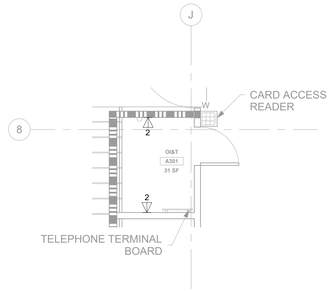
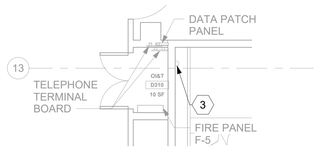
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.3_EL_SDB.rvt



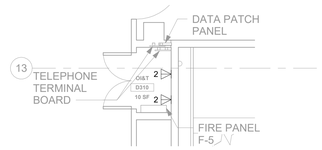
1 01TN103a RM A301 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"



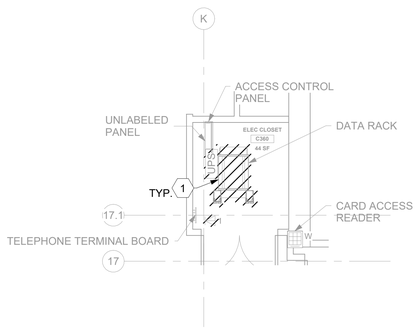
2 01TN103a RM A301 - TELECOMMUNICATIONS PLAN
1/4" = 1'-0"



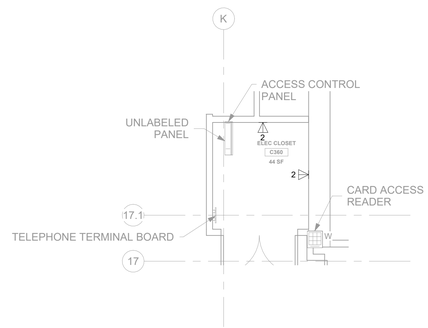
3 01TN103b RM D310 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"



4 01TN103b RM D310 - TELECOMMUNICATIONS PLAN
1/4" = 1'-0"



5 01TN103a RM C360 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"



6 01TN103a RM C360 - TELECOMMUNICATIONS PLAN
1/4" = 1'-0"

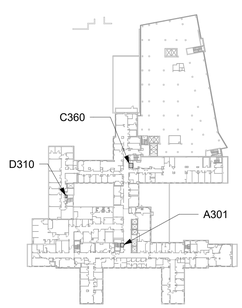
GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. EXISTING VERTICAL CABLING SLEEVES (QTY = 6) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.
3. EXISTING VERTICAL CABLING SLEEVES (QTY = 4) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 03 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN403b
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

VA FORM 08 - 6231

19/05/2025 3:51:02 am

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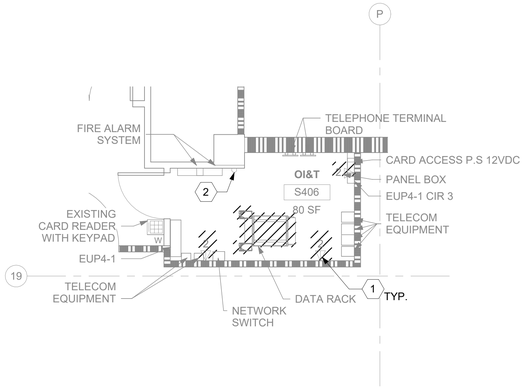
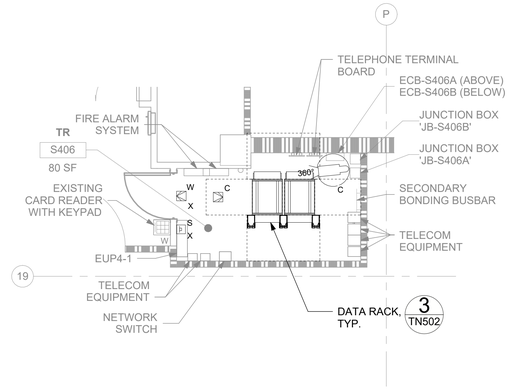


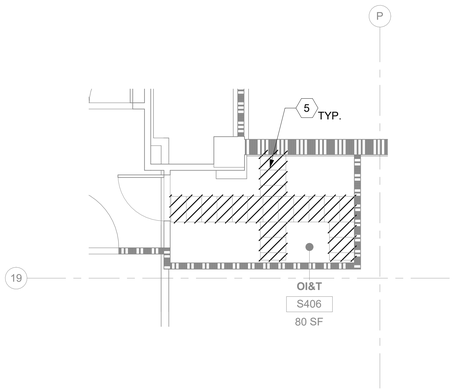
1 01TN104a RM S406 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



2 01TN104a RM S406 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN104a RM S406 - DEMOLITION OVERHEAD PLAN

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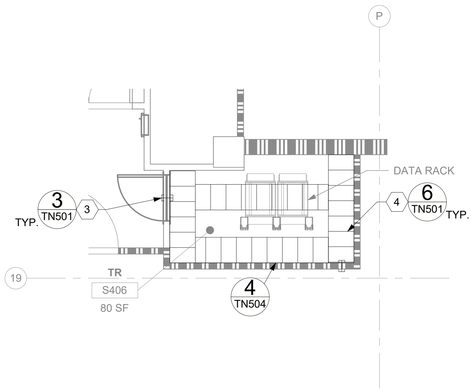

4 01TN104a RM S406 - OVERHEAD PLAN

1/4" = 1'-0"

GENERAL NOTES

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2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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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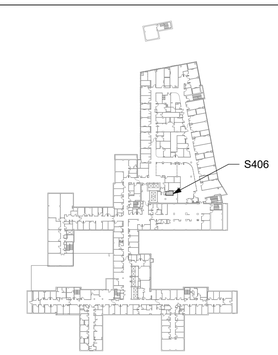
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. EXISTING VERTICAL CABLING SLEEVES (QTY = 3) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.
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. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
5. EXISTING CABLE TRAY TO BE DEMOLISHED AND REMOVED.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 04 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN404a

VA FORM 08 - 6231

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VA Syracuse EHRM
infrastructure
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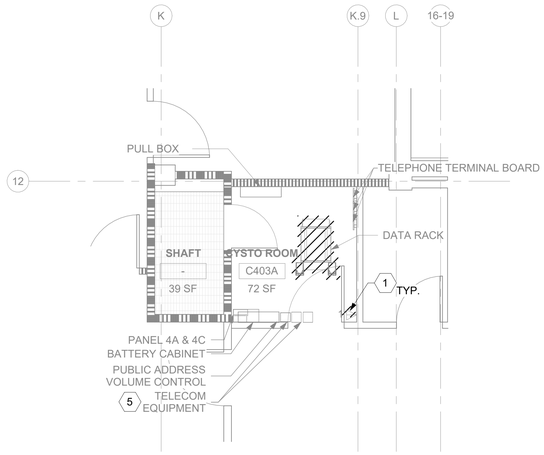
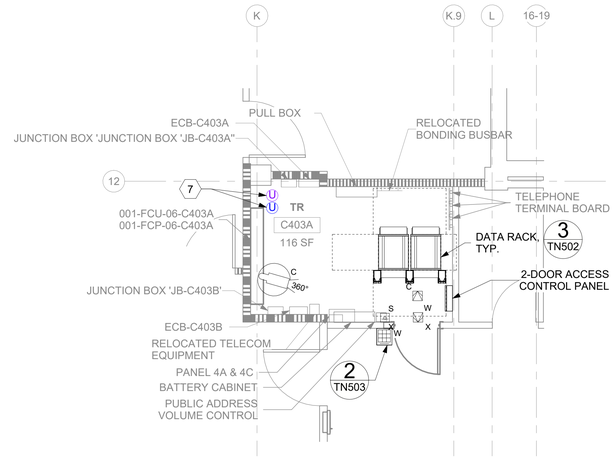


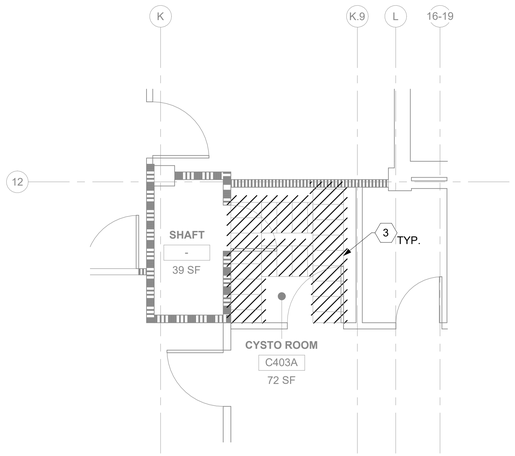
1 RM XX & C403A - DEMOLITION FLOOR PLAN

01TN104b 1/4" = 1'-0"



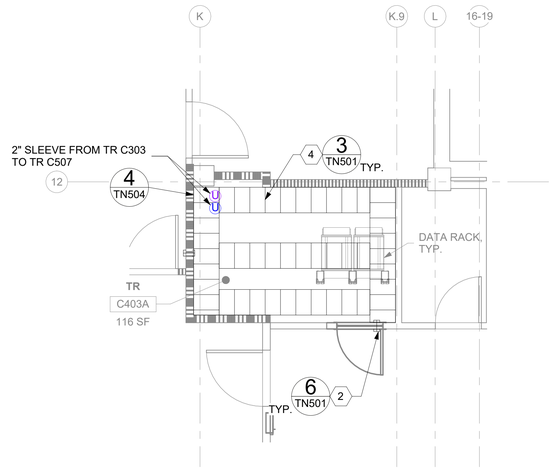
2 RM C403A - TELECOMMUNICATIONS PLAN

01TN104b 1/4" = 1'-0"



3 RM XX & C403A - DEMOLITION OVERHEAD PLAN

01TN104b 1/4" = 1'-0"



4 RM C403A - OVERHEAD PLAN

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5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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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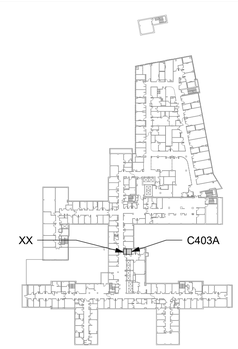
KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
3. CABLE TRAY TO BE DEMOLISHED.
4. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
5. EXISTING EQUIPMENT TO BE RELOCATED AS SHOWN IN DETAIL "2" ON THIS SHEET.
6. RELOCATED EQUIPMENT. EXTEND CONDUIT AND WIRE AS REQUIRED.
7. 48-STRAND SM BIOMED UMBILICAL CORD AND 24-STRAND OM4 / 48-STRAND SM UMBILICAL CORD ROUTED VERTICALLY FROM TR "303" ON FLOOR BELOW TO TR "C507" ON FLOOR ABOVE. REFERENCE SHEETS 01TN403a AND 01TN405a FOR ADDITIONAL INFORMATION.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 04 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
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Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
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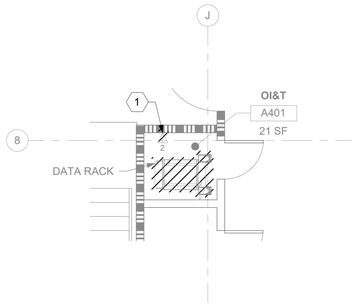
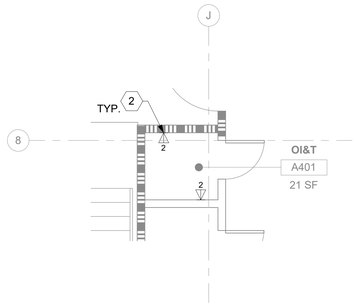
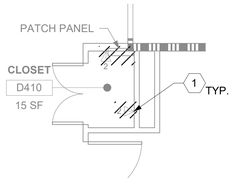


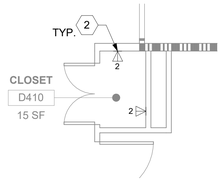
1 RM A401 - DEMOLITION FLOOR PLAN
01TN104b 1/4" = 1'-0"



2 RM A401 - TELECOMMUNICATIONS PLAN
01TN104b 1/4" = 1'-0"



3 RM D410 - DEMOLITION FLOOR PLAN
01TN104b 1/4" = 1'-0"



4 RM D410 - TELECOMMUNICATIONS PLAN
01TN104b 1/4" = 1'-0"

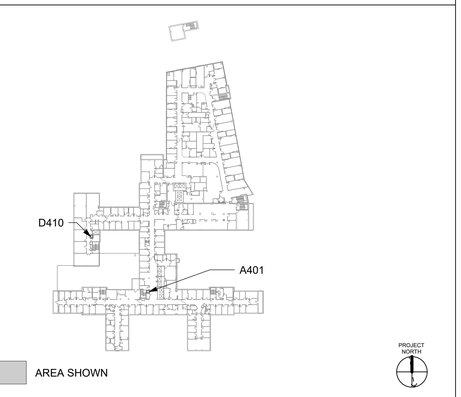
GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATION WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. 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 ET501 AND GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION, COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.

KEY PLAN



Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

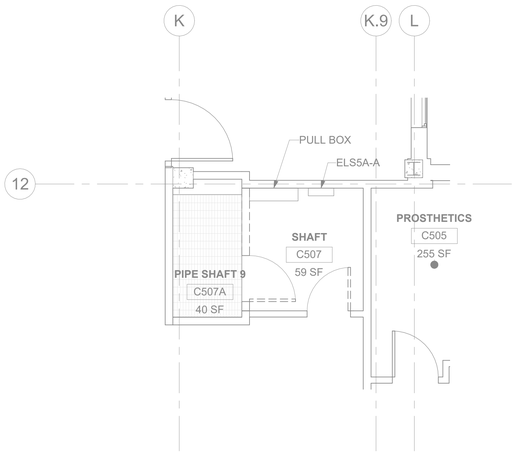
A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

STAMP

Office of Construction and Facilities Management

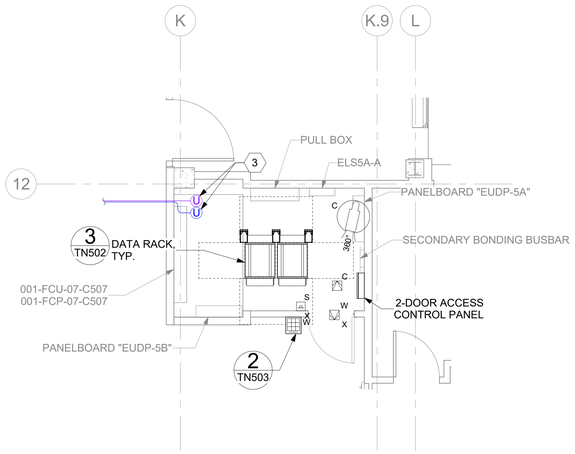
VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 04 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN404c



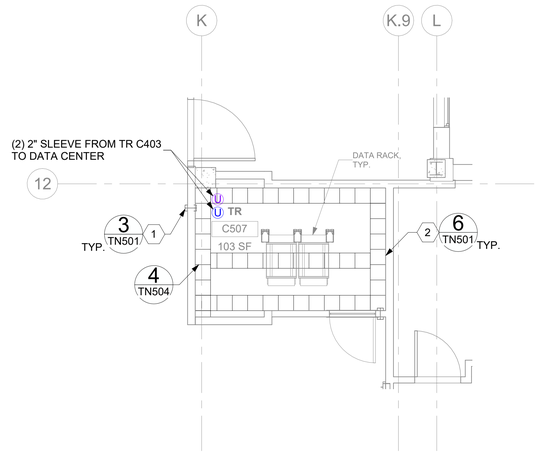
1 01TN105b RM C507A & C507 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



2 01TN105b RM C507 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN105b NOT USED

1/4" = 1'-0"

4 01TN105b RM C507 - OVERHEAD PLAN

1/4" = 1'-0"

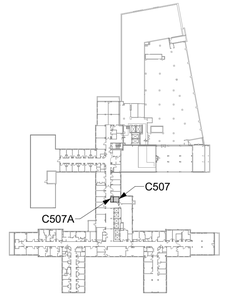
GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

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. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
3. 48-STRAND SM BIOMED UMBILICAL CORD AND 24-STRAND OM4 / 48-STRAND SM UMBILICAL CORD ROUTED VERTICALLY FROM TR "C403A" ON FLOOR BELOW. REFERENCE SHEETS 01TN404b FOR ADDITIONAL INFORMATION.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

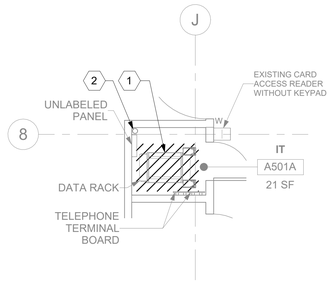
SPEESDESIGNBUILD

STAMP

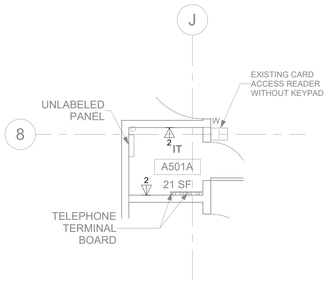
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 05 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN405a



1 RM A501A - DEMOLITION FLOOR PLAN
01TN105b 1/4" = 1'-0"



2 RM A501A - TELECOMMUNICATIONS PLAN
01TN105b 1/4" = 1'-0"

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
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4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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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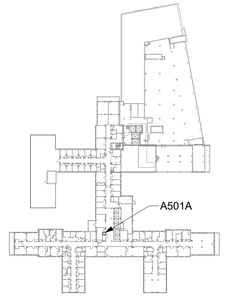
KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. EXISTING VERTICAL CABLING SLEEVES (QTY = 4) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

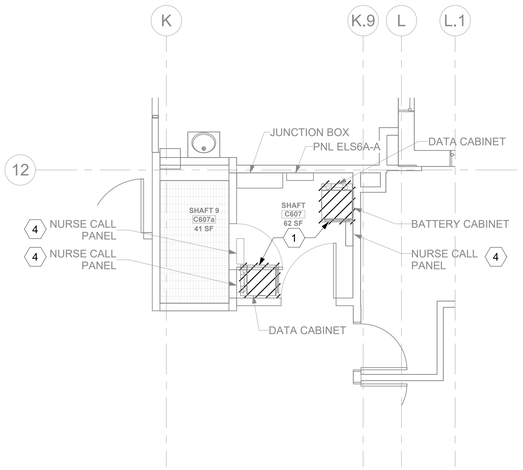
A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

STAMP

Office of Construction and Facilities Management

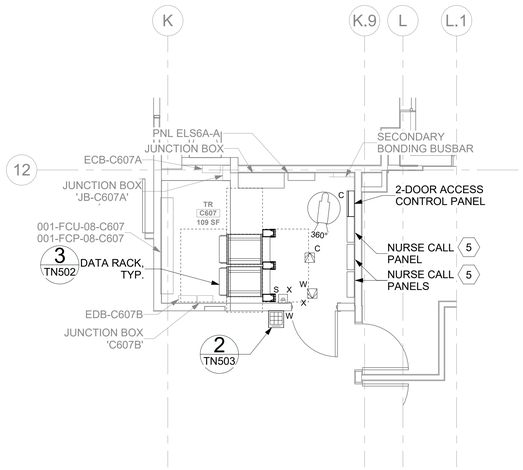
VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 05 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN405b



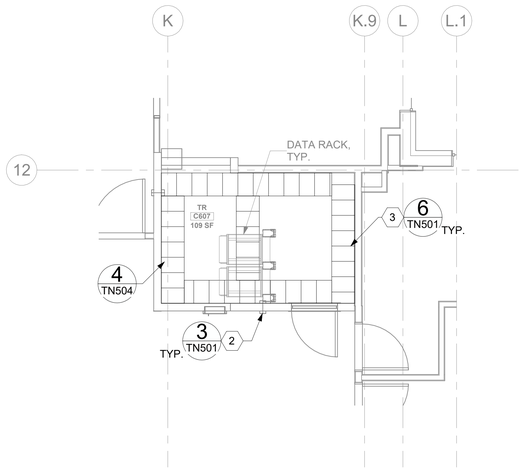
1 01TN106b RM XX & C607 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



2 01TN106b RM C607 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN106b NOT USED

NTS

4 01TN106b RM C607 - OVERHEAD PLAN

1/4" = 1'-0"

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
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7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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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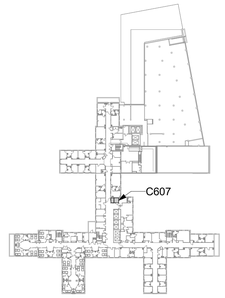
KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
3. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
4. EXISTING EQUIPMENT TO BE RELOCATED AS SHOWN IN DETAIL '2' ON THIS SHEET.
5. RELOCATED EQUIPMENT. EXTEND CONDUIT AND WIRE AS REQUIRED.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

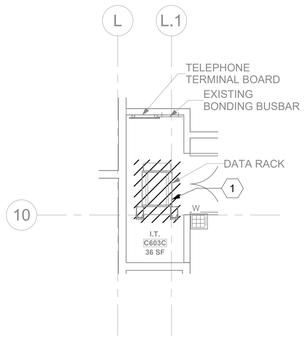
VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 06 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN406a

VA FORM 08 - 6231

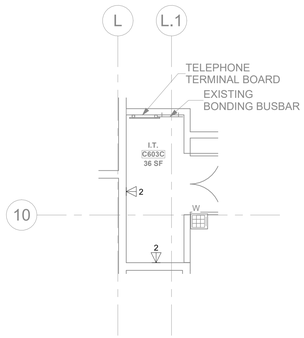
19/05/2025 4:19:23 am

Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.6_EL_SDB.rvt



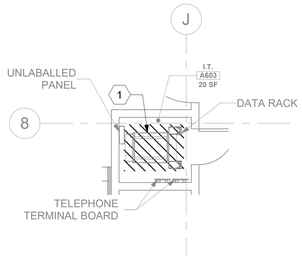
1 01TN106b RM C603C - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



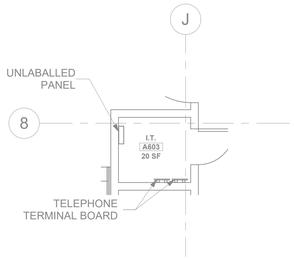
2 01TN106b RM C603C - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN106b RM A603 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



4 01TN106b RM A603 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"

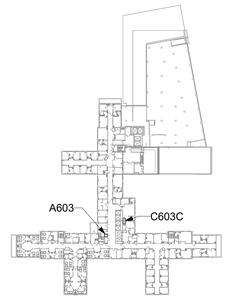
GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

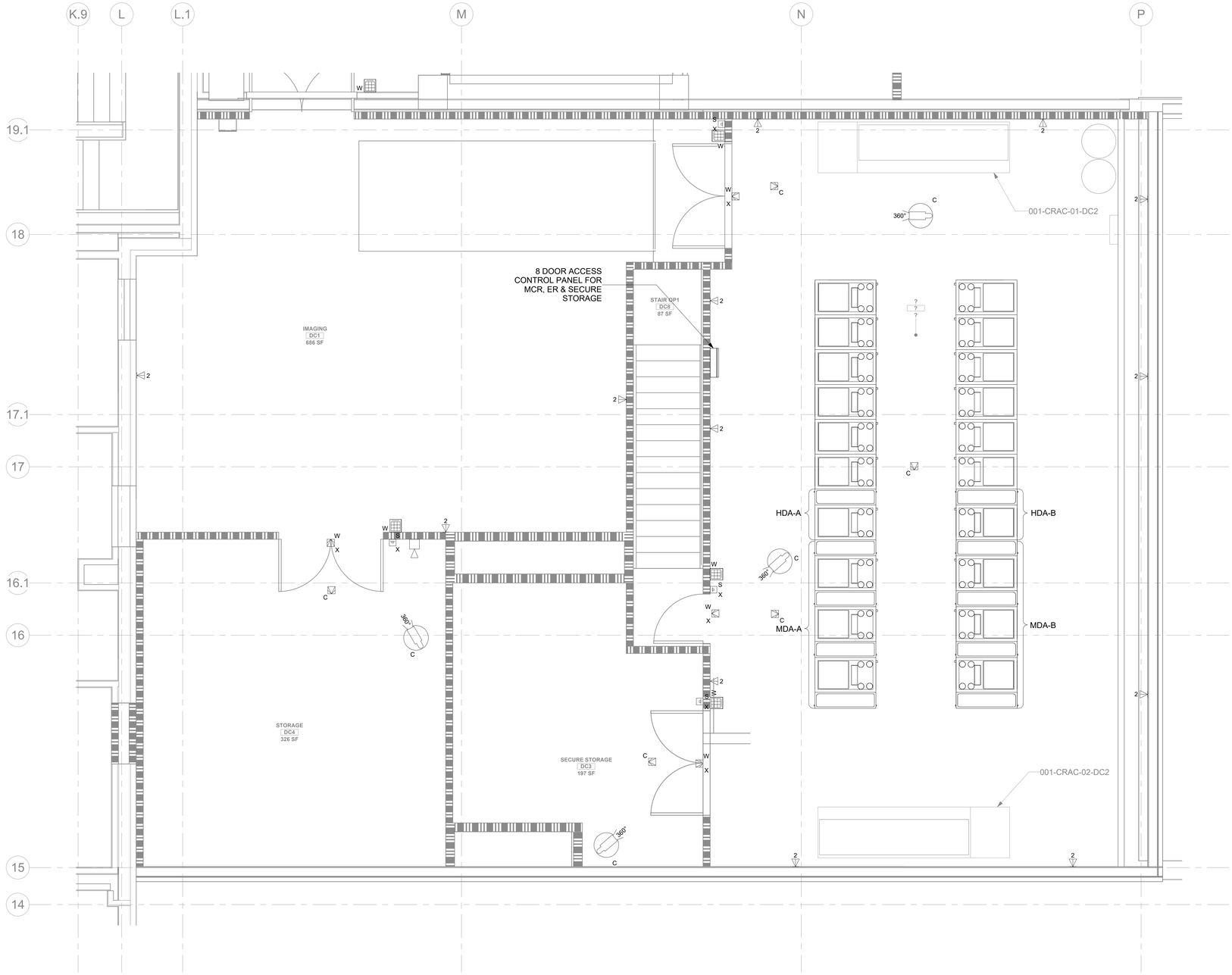
VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 06 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN406b

VA FORM 08 - 6231

19/05/2025 4:19:37 am

Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.6_EL_SDB.rvt



1 01TN106a DATA CENTER - TELECOMMUNICATIONS PLAN

3/8" = 1'-0"

PROJECT NORTH

0 2' 4' 6'

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES.
9. 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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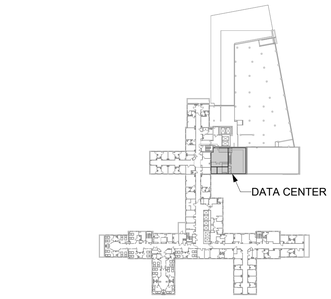
14. THE DATA CENTER SHALL HAVE AN ALPHA-NUMERIC GRID ANNOTATED ON THE WALLS IN ACCORDANCE WITH ANSI/TIA 606-C. STARTING IN THE NORTHWEST CORNER WORKING THE ALAPHABET LEFT TO RIGHT AND NUMBERS TOP TO BOTTOM IN 24-INCH INCREMENTS USING BLACK LETTERS AND NUMBERS FOUR INCHES MINIMUM IN HEIGHT NOT PLACED MORE THAN SIX INCHES BELOW THE CEILING. (REFER TO TN507 FOR EXAMPLES)

KEY NOTES

KEY PLAN



PROJECT NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

CERTIFIED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
CDD Certificate
Number 20080108
EXPIRES 10-01-27
RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BLDG 01 - LEVEL 06 - DATA CENTER - TELECOMMUNICATIONS PLAN	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN406c
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

VA FORM 08 - 6231

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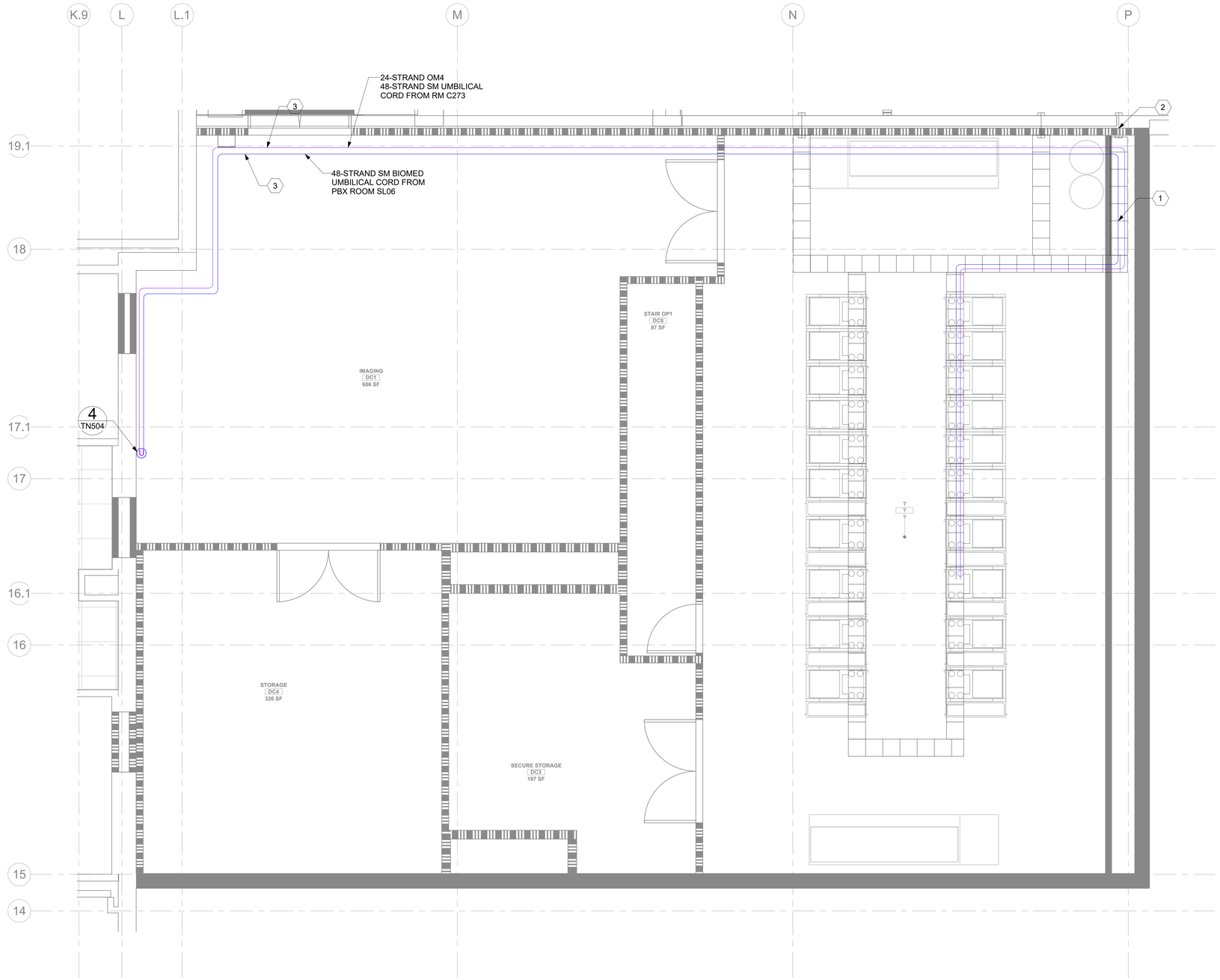
Autodesk Docs://528A7-22-700 VA Syracuse EHRM infrastructure Upgrades/VASY_01.6_EL_SDB.rvt



1 DATA CENTER - HORIZONTAL DISTRIBUTION OVERHEAD PLAN
01TN106a 3/8" = 1'-0"

0 2' 4' 6'

PROJECT NORTH

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8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES.
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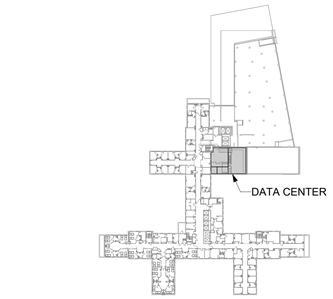
KEY NOTES

1. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
2. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. REFERENCE THE MINIMUM REQUIRED FIRESTOP GANGPLATE ENTRANCES COLUMN ON SHEET TN701 FOR ADDITIONAL INFORMATION. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
3. (1) 1" EMT CONDUIT TO CABLE TRAY.

KEY PLAN



AREA SHOWN

PROJECT NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

BICSI RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 06 - DATA CENTER - HORIZONTAL DISTRIBUTION OVERHEAD PLAN	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN406d
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

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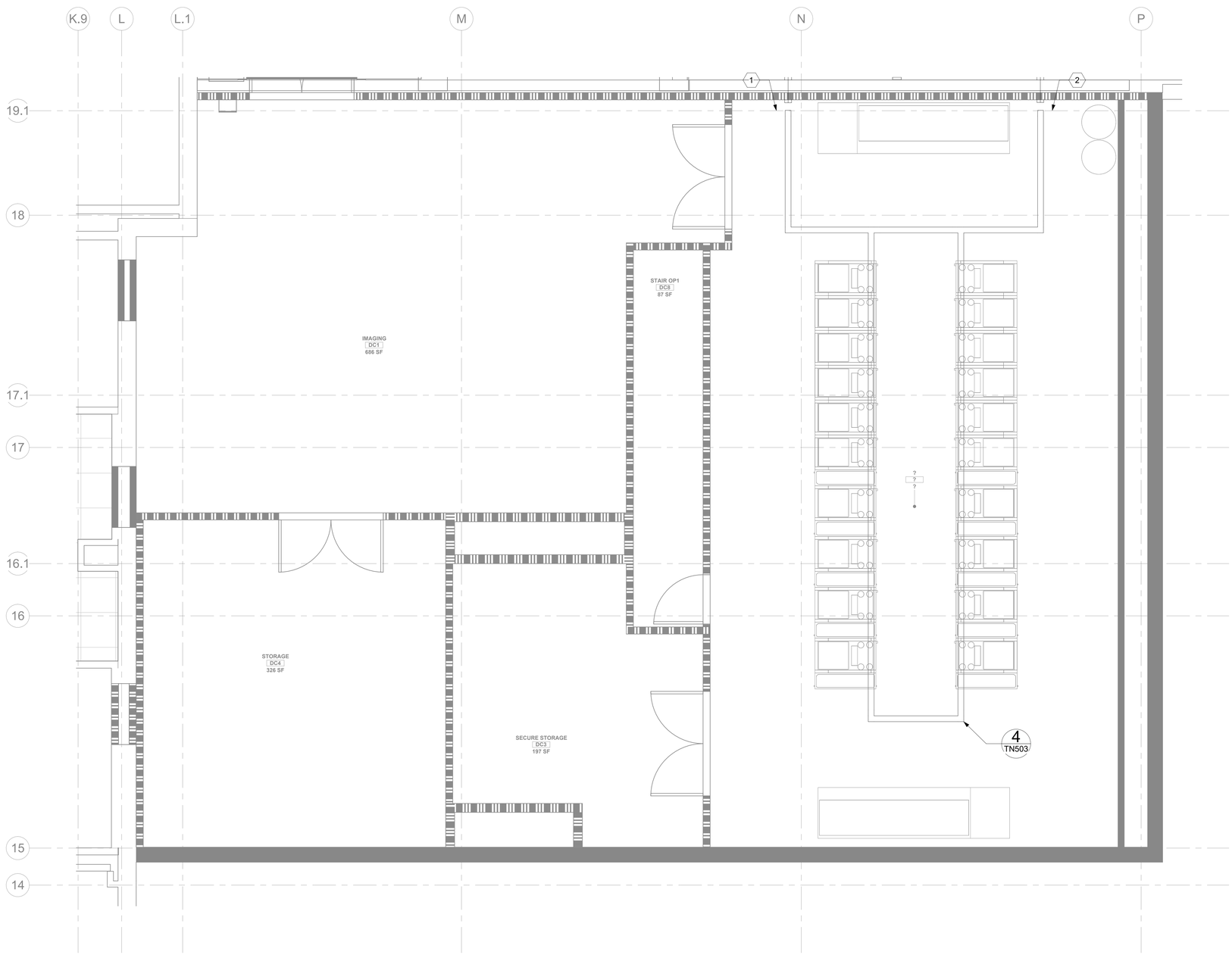
19/05/2025 4:20:12 am

Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.6_EL_SDB.rvt



1 01TN106a DATA CENTER - FIBER BACKBONE OVERHEAD PLAN

3/8" = 1'-0"

PROJECT NORTH

0 2' 4' 6'

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
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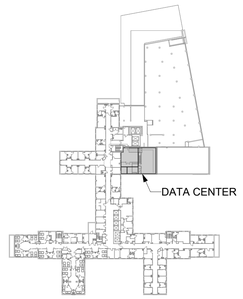
KEY NOTES

1. SIDE A FIBER OPTIC BACKBONE; (8) 4" CONDUIT FOR ROUTING FIBER. REFERENCE FIBER ROUTING PLANS ON CIVIL PLANS FOR ADDITIONAL INFORMATION.
2. SIDE B FIBER OPTIC BACKBONE; (8) 4" CONDUIT FOR ROUTING FIBER. REFERENCE FIBER ROUTING PLANS ON CIVIL PLANS FOR ADDITIONAL INFORMATION.

KEY PLAN



AREA SHOWN

PROJECT NORTH

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 06 - DATA CENTER - FIBER BACKBONE OVERHEAD PLAN
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN406e

VA FORM 08 - 6231

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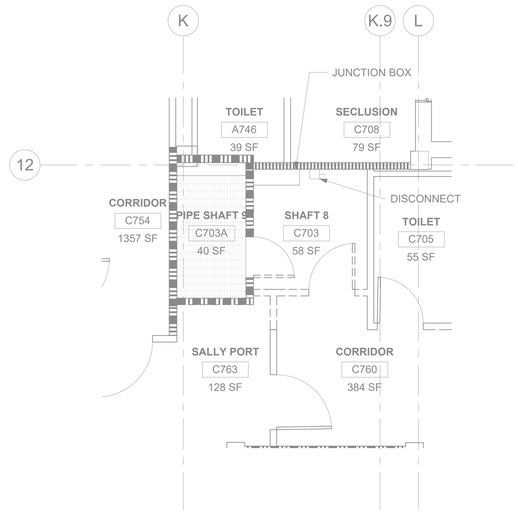
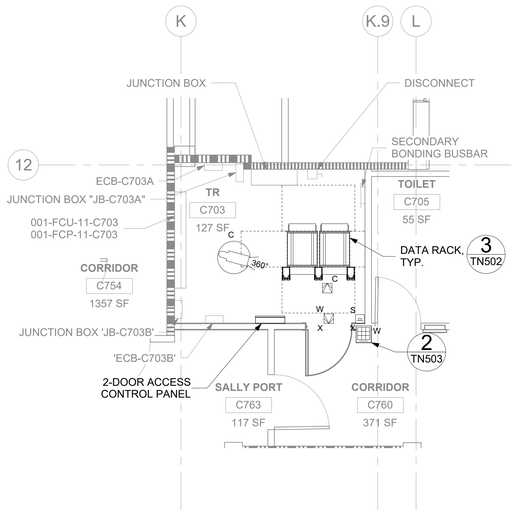
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.6_EL_SDB.rvt



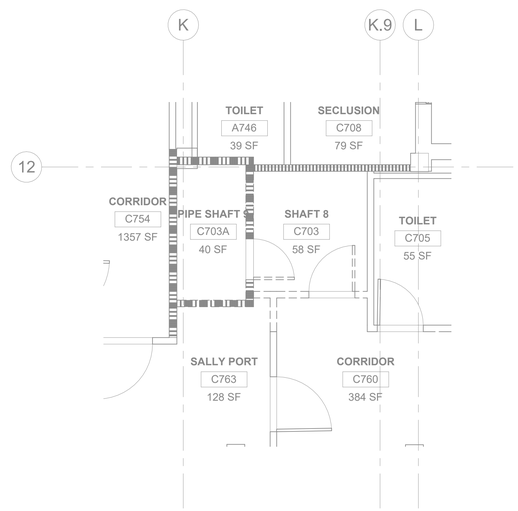
1 01TN107 RM C703 & C703A - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



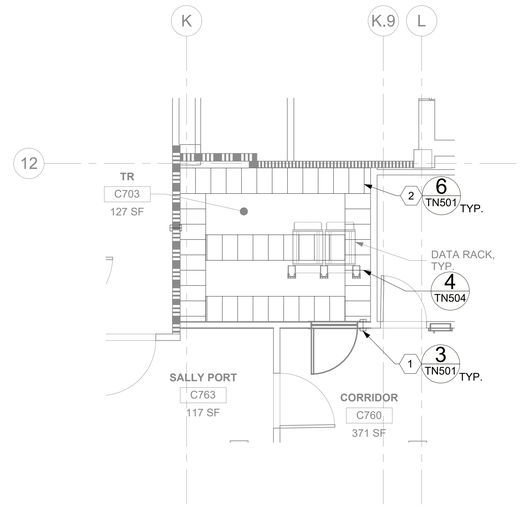
2 01TN107 RM C703 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN107 RM C703 & C703A - DEMOLITION OVERHEAD PLAN

1/4" = 1'-0"



4 01TN107 RM C703 - OVERHEAD PLAN

1/4" = 1'-0"

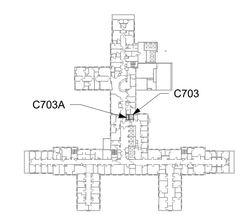
GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

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. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 07 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN407a

VA FORM 08 - 6231

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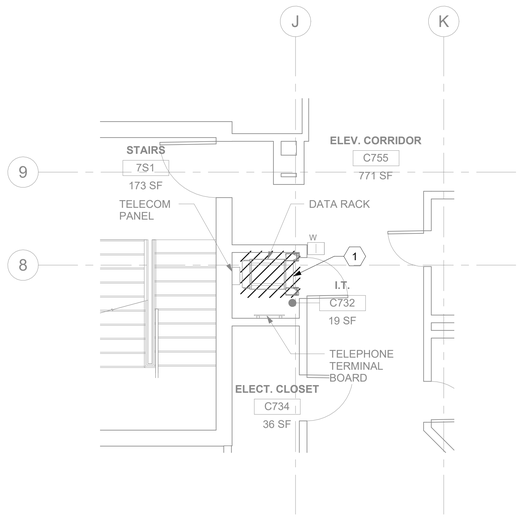
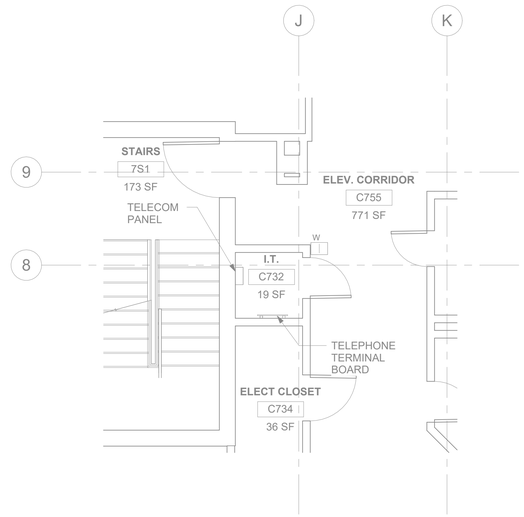


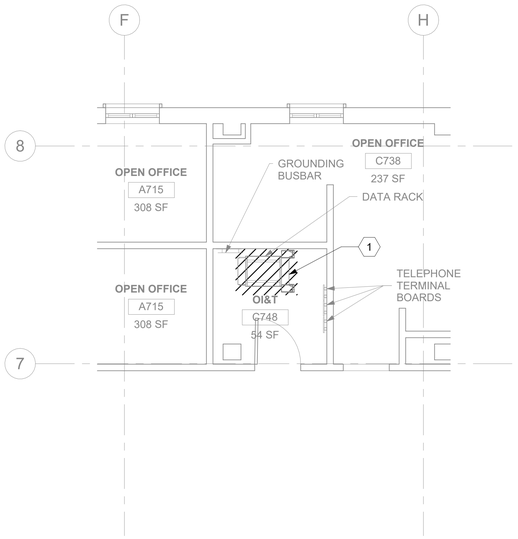
1 01TN107 RM A703 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



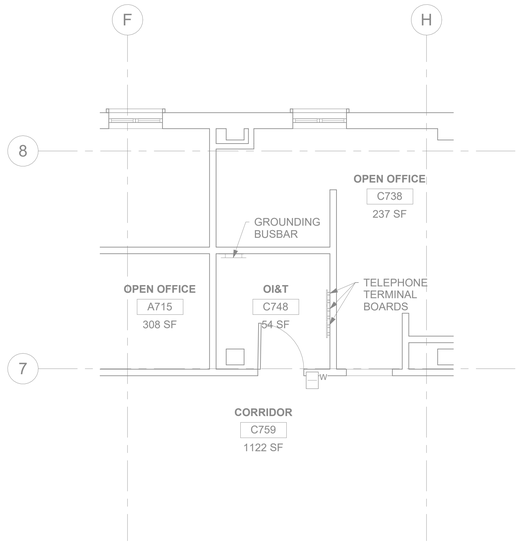
2 01TN107 RM C732- TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN107 RM A713 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



4 01TN107 RM C748 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"

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KEY NOTES

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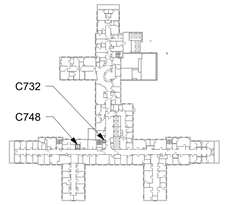
KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 07 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN407b

VA FORM 08 - 6231

19/05/2025 4:03:16 am

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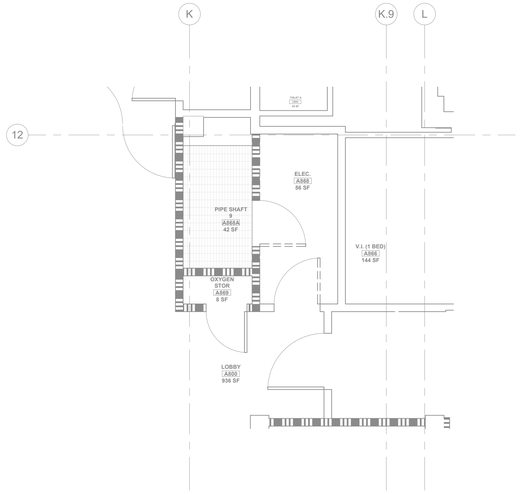
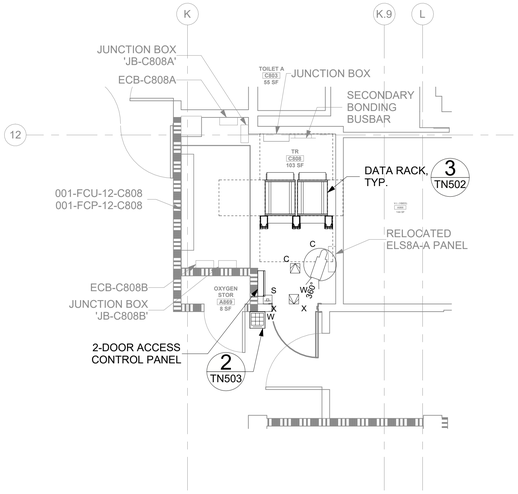
VA Syracuse EHRM
infrastructure
Upgrades/VASY_01.7_EL_SDB.rvt



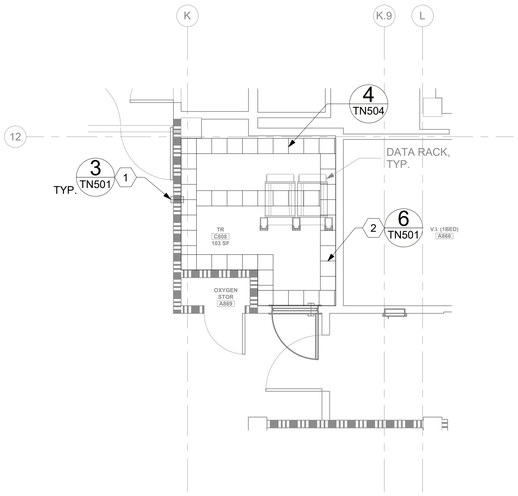
1 01TN108 RM C808A & C808 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



2 01TN108 RM C808 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN108 NOT USED

NTS

4 01TN108 RM C808 - OVERHEAD PLAN

1/4" = 1'-0"

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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.
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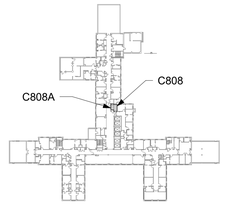
KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 08 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
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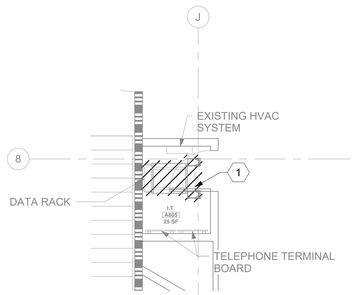
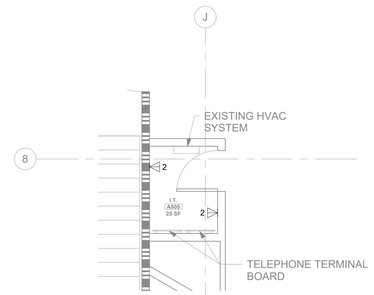


1 RM A801 - DEMOLITION FLOOR PLAN
01TN108
1/4" = 1'-0"



2 RM A801 - TELECOMMUNICATIONS PLAN
01TN108
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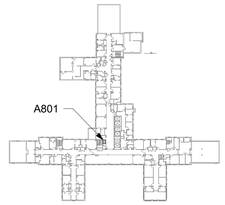

AREA SHOWN

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CONSULTANT/ DISCIPLINE

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ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

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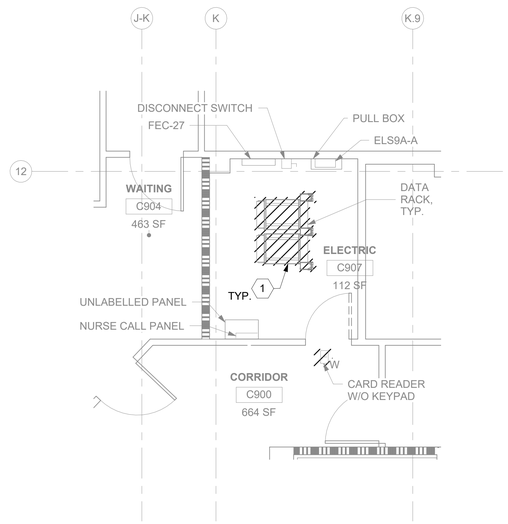
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

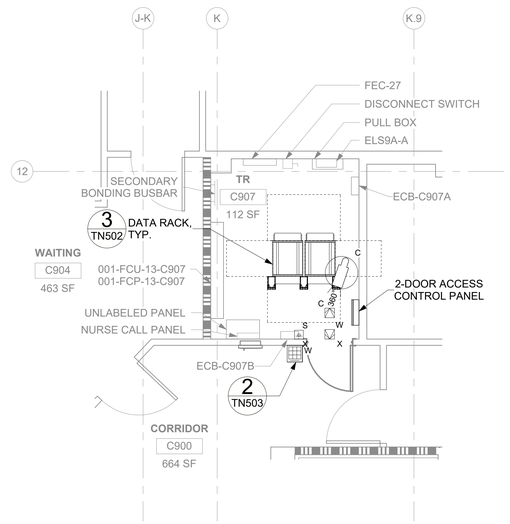
Drawing Title: BLDG 01 - LEVEL 08 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA		Project Number: 528A7-22-700
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210		Building Number: 01
		Issue Date: 08/22/2025	Checked: KG	Drawing Number: 01TN408b
			Drawn: RTS/JGD	

VA FORM 08 - 6231
19/05/2025 3:52:51 am
Autodesk Docs://528A7-22-700 VA Syracuse EHRM infrastructure Upgrades/VASY_01.8_EL_SDB.rvt



1 01TN109 RM C907 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



2 01TN109 RM C907 - TELECOMMUNICATIONS PLAN

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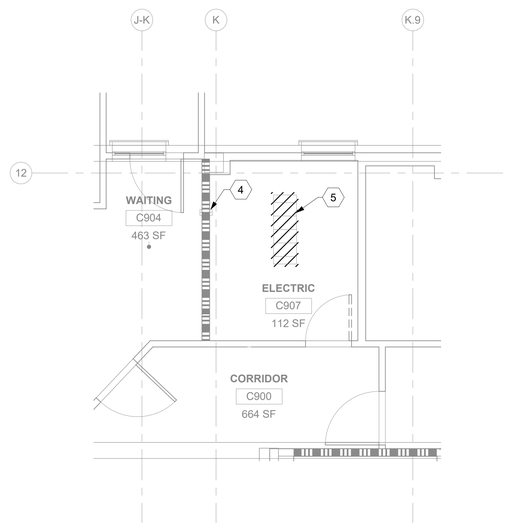

3 01TN109 RM C907 - OVERHEAD DEMOLITION PLAN

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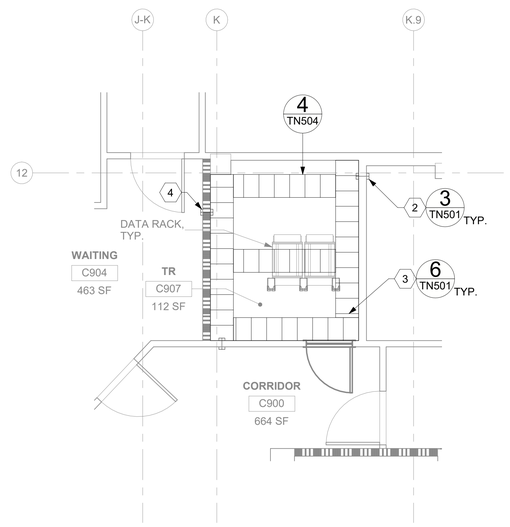

4 01TN109 RM C907 - OVERHEAD PLAN

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GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
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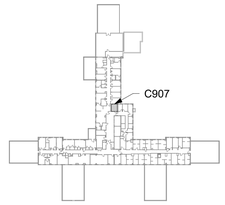
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT SHALL BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. PROVIDE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AS REQUIRED. SIDE 'A' AND SIDE 'B' SLEEVES SHALL BE SEPARATED BY AT LEAST 10-FT.
3. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
4. EXISTING HORIZONTAL CABLING SLEEVES (QTY = 3) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED.
5. EXISTING CABLE TRAY TO BE DEMOLISHED.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

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VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 01 - LEVEL 09 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	01
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	01TN409a

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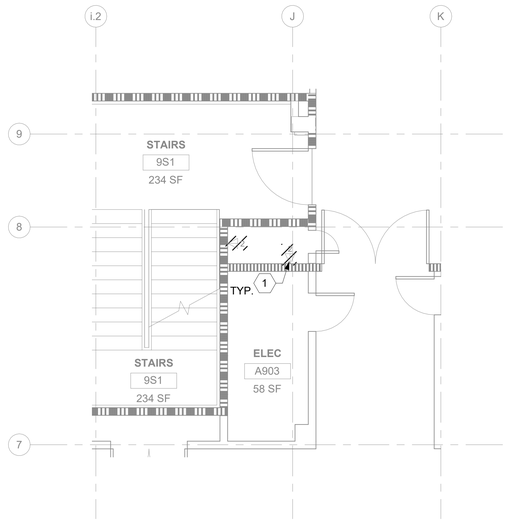

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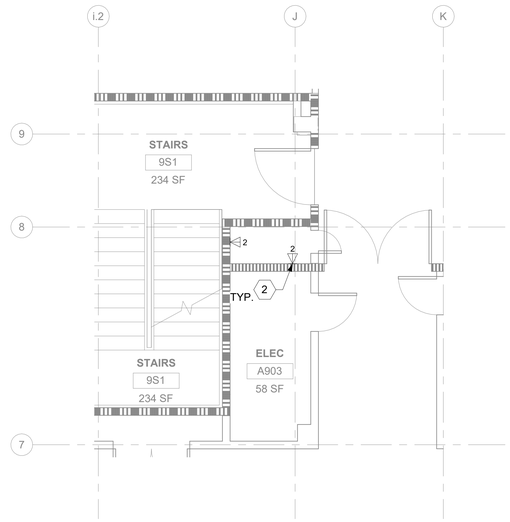
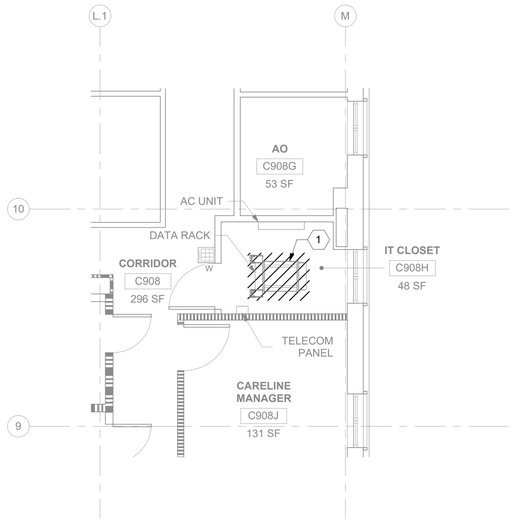
1/4" = 1'-0"



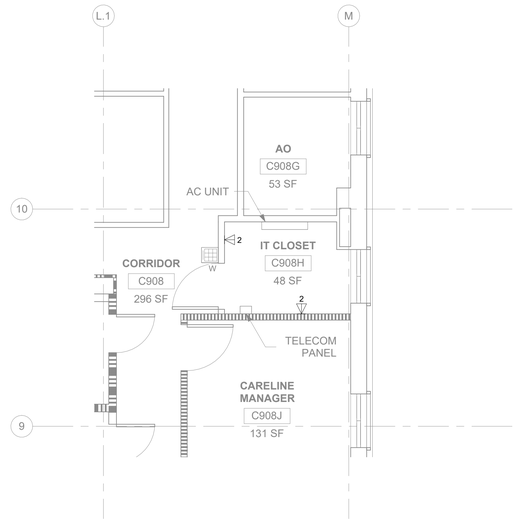
2 01TN109 RM A905 - TELECOMMUNICATIONS PLAN

1/4" = 1'-0"



3 01TN109 RM C908H - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



4 01TN109 RM C908H - TELECOMMUNICATIONS PLAN

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KEY NOTES

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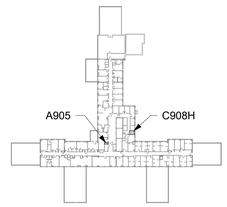
2. PROVIDE TELECOMMUNICATIONS OUTLET WITH PORT QUANTITY SHOWN TO REPLACE EXISTING TELECOMMUNICATIONS OUTLET; EXISTING OUT CONDUIT SHALL REMAIN AND BE UTILIZED TO FEED NEW CABLING; REFERENCE SHEET DETAIL '1' ON SHEET TN501 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.

KEY PLAN



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Revisions:	Date:

CONSULTANT/ DISCIPLINE

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BLDG 01 - LEVEL 09 - ENLARGED TELECOMMUNICATIONS PLANS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: 01
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: 01TN409b
		Issue Date: 08/22/2025 / Checked: KG / Drawn: RTS/JGD	

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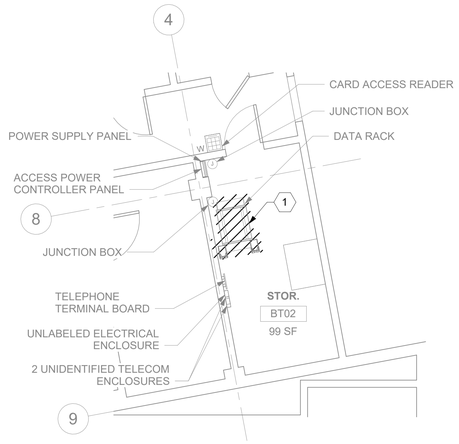
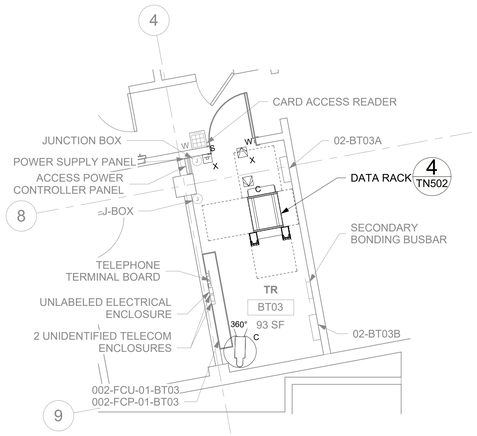


1 02TN100B RM BT03 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



2 02TN100B RM BT03 - TELECOMMUNICATIONS PLAN

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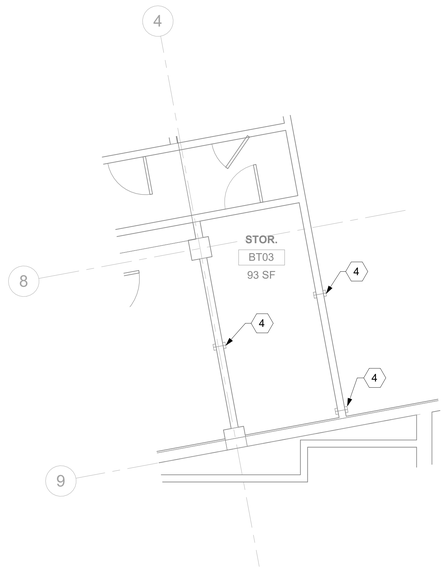

3 02TN100B RM BT03 - DEMOLITION OVERHEAD PLAN

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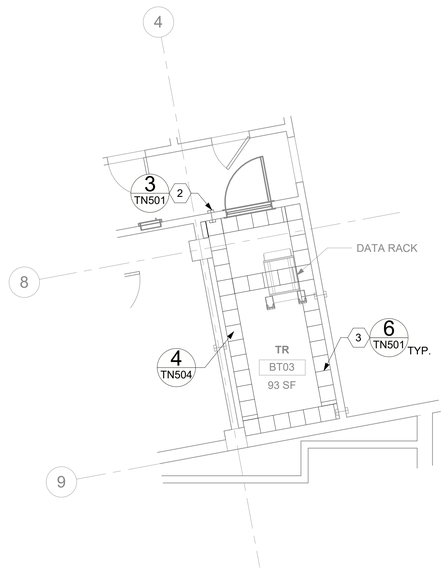

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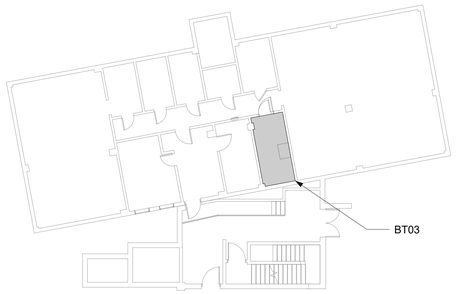
4. EXISTING HORIZONTAL CABLING SLEEVES (QTY = 3) TO BE PRESERVED. EXISTING CABLING TO BE DEMOLISHED AND REMOVED.
5. EQUIPMENT SWINGS AWAY FROM WALL HINGE TO ALLOW BACK-DOOR ACCESS.

KEY PLAN



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Drawing Title	BLDG 02 - LEVEL 00B - ENLARGED TELECOMMUNICATIONS PLANS
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Project Number	528A7-22-700
Building Number	02
Drawing Number	02TN400B

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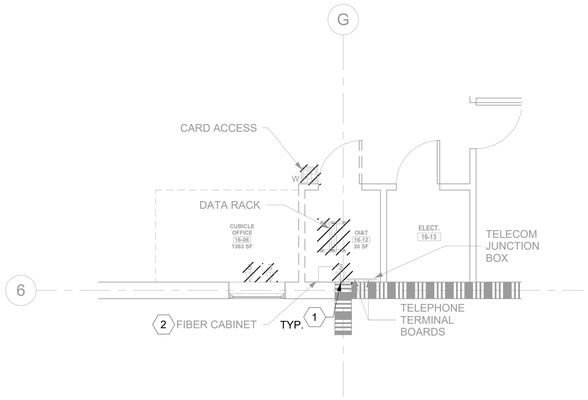
1 19/05/2025 3:48:35 am

Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_02_EL_SDB.rvt



1 16TN101 RM 16-12 & 16-06 - DEMOLITION FLOOR PLAN

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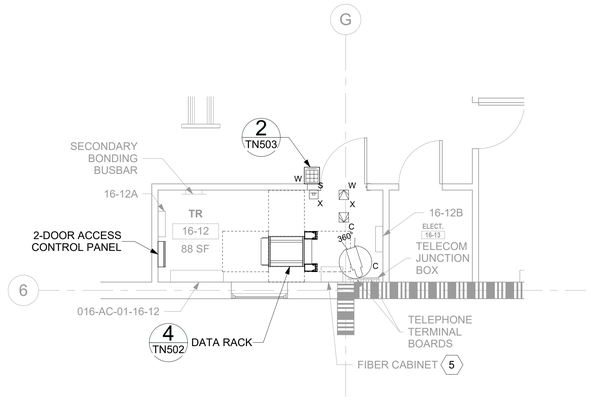

2 16TN101 RM 16-12 - TELECOMMUNICATIONS PLAN

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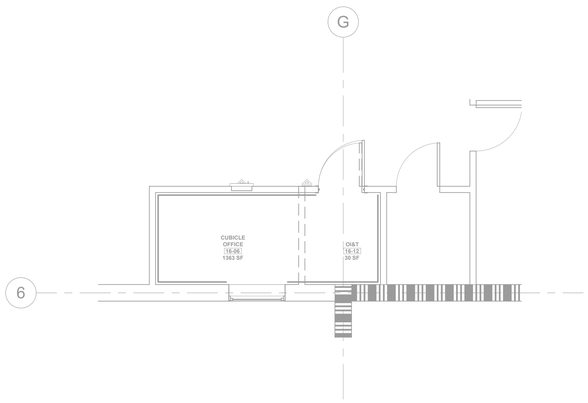
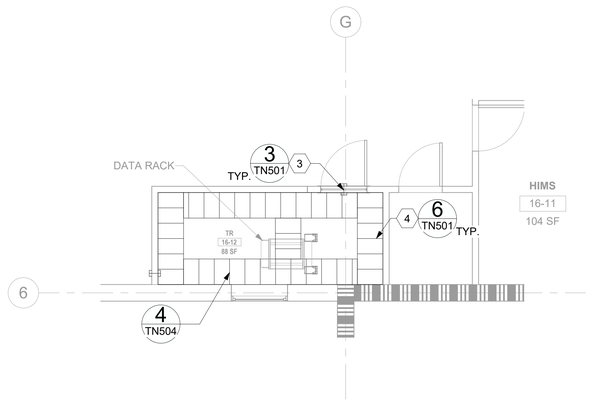


3 16TN101 RM 16-12 & 16-06 - DEMOLITION OVERHEAD PLAN

1/4" = 1'-0"



4 16TN101 RM 16-12 - OVERHEAD PLAN

1/4" = 1'-0"

GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. 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.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
9. 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.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES BASED ON AS-BUILT DRAWINGS.
11. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
12. ALL TELECOMMUNICATION ROOMS SHALL BE PROVIDED WITH FIRE-RATED PLYWOOD BACKBOARDS. REFERENCE EXACT PLACEMENTS WITH ARCHITECTURE DRAWINGS AS REQUIRED.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING EQUIPMENT TO BE DEMOLISHED. ASSOCIATED RACEWAYS AND CABLING SHALL BE DEMOLISHED BACK TO SOURCE.
2. EQUIPMENT TO BE RELOCATED. PRESERVE AND PROTECT CABLING TO EQUIPMENT. COORDINATE RELOCATION WITH VA.
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. PROVIDE WIRE BASKET CABLE TRAY. WIRE BASKET CABLE TRAY LAYOUT IS DIAGRAMMATICAL; CONTRACTOR SHALL COORDINATE LAYOUT WITH MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
5. RELOCATED EQUIPMENT FROM DETAIL '1'.

KEY PLAN

AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

STAMP

BICSI Kris K Orcod BICSI ID # 722258 EXPIRES 12-31-27 RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG 16 - LEVEL 01 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	16
Approved:	
	FULLY SPRINKLERED
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	16TN401

VA FORM 08 - 6231

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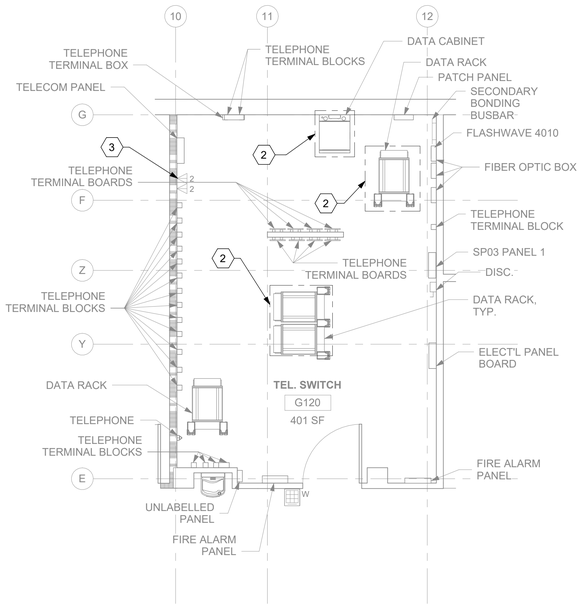
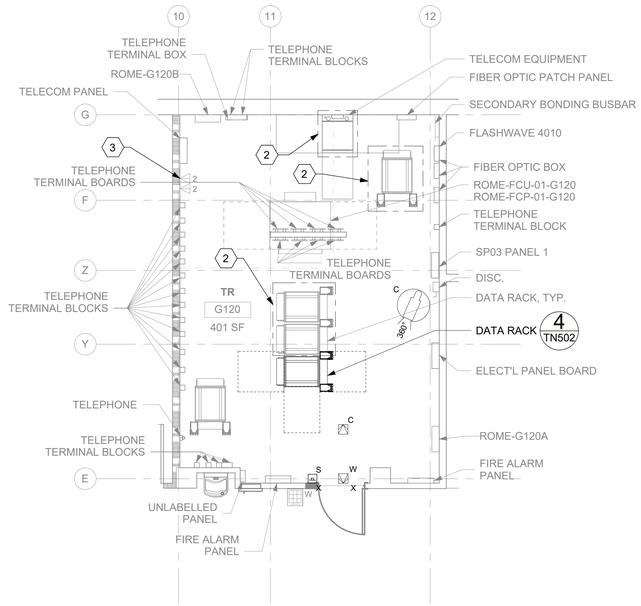
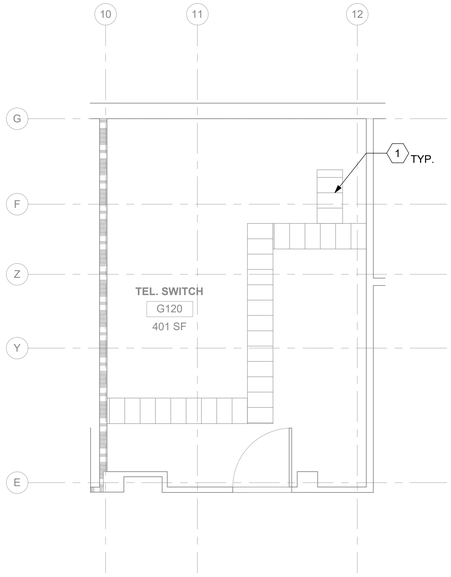
Autodesk Docs://528A7-22-700
VA Syracuse EHRM
infrastructure
Upgrades/VASY_16_EL_SDB.rvt



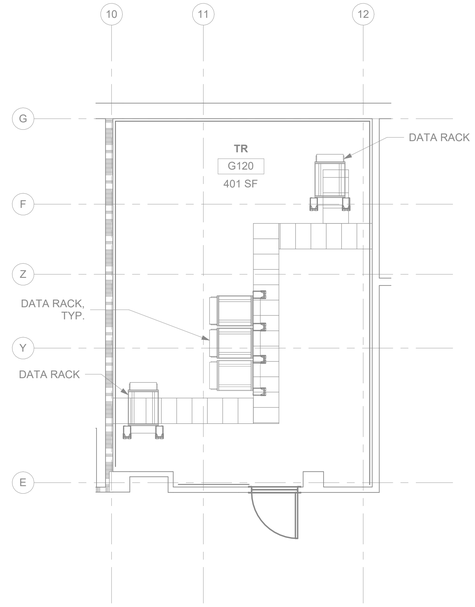
1 RM G120 - DEMOLITION FLOOR PLAN
ROMETN100 1/4" = 1'-0"



2 RM G120 - TELECOMMUNICATIONS PLAN
ROMETN100 1/4" = 1'-0"



3 RM G120 - DEMOLITION OVERHEAD PLAN
ROMETN100 1/4" = 1'-0"



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ROMETN100 1/4" = 1'-0"

GENERAL NOTES

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3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE REMOVED AND REPLACED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
6. 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.
7. WHERE NEW DATA OUTLETS ARE BEING PROVIDED AND EXISTING DATA OUTLET CURRENTLY DOES NOT EXIST, PROVIDE (1) 3/4" 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.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES FOR INSTALLATIONS WHERE AIR ASSISTED FIBER IS NOT POSSIBLE.
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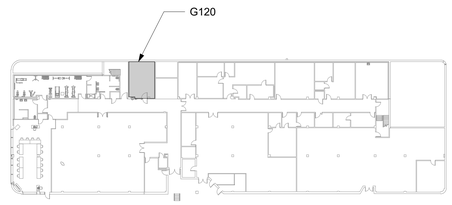
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. EXISTING CABLE TRAY.
2. FIBER DISTRIBUTION AND TELEPHONE CABINETS TO REMAIN.
3. 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 THE SHEET TN501 AND THE GENERAL NOTED ON THIS SHEET FOR ADDITIONAL INFORMATION, COORDINATE WITH VA FOR EXACT OUTLET REPLACEMENT.

KEY PLAN



AREA SHOWN

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BLDG ROME - LEVEL 00 - ENLARGED TELECOMMUNICATIONS PLANS
Phase	100% CONSTRUCTION DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	ROME
Location	VA NY SYRACUSE, 125 BROOKLEY RD., ROME, NY 13441
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	ROMETN400

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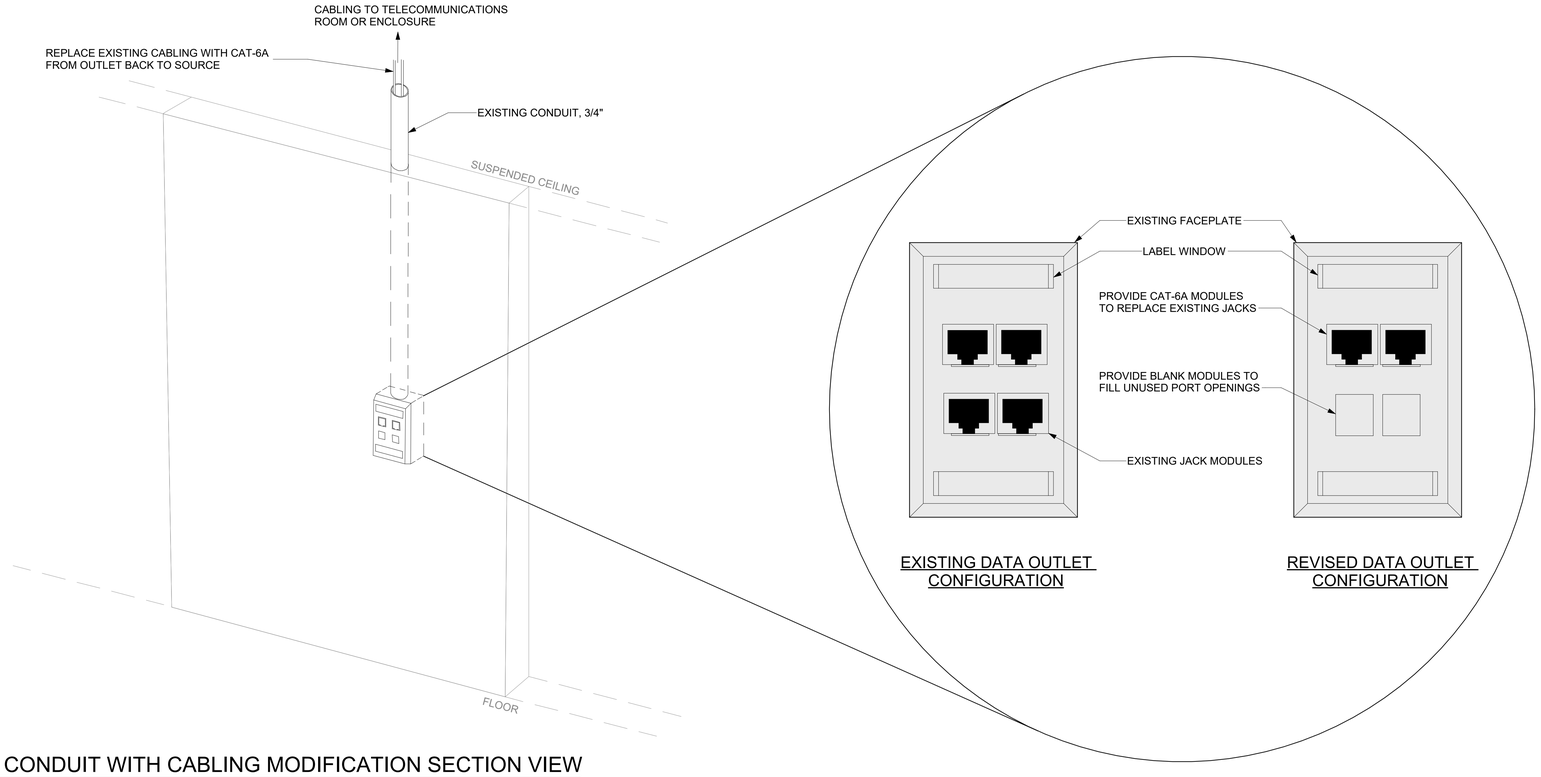
Autodesk Docs://528A7-22-700 VA Syracuse EHRM infrastructure Upgrades/VASY_ROME_EL_SDB.rvt

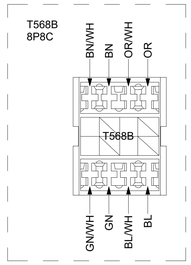


1 - EXISTING CONDUIT WITH CABLING MODIFICATION SECTION VIEW

NTS

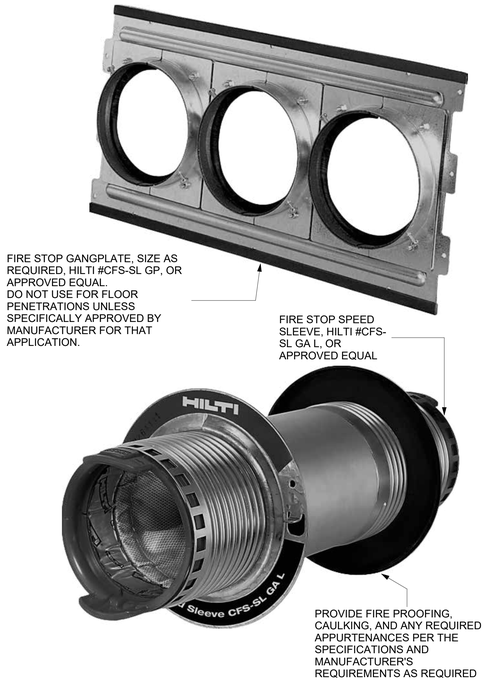
GENERAL NOTES (FOR THIS SHEET ONLY)

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.



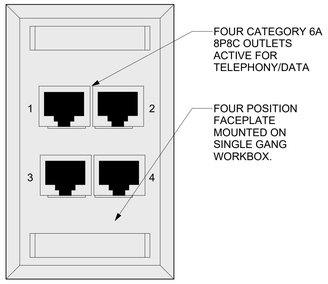
2 - DATA CABLING TERMINATION DETAIL

NTS



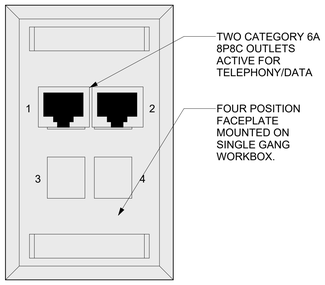
3 - FIRE STOP SLEEVE AND GANGPLATE DETAIL

NTS



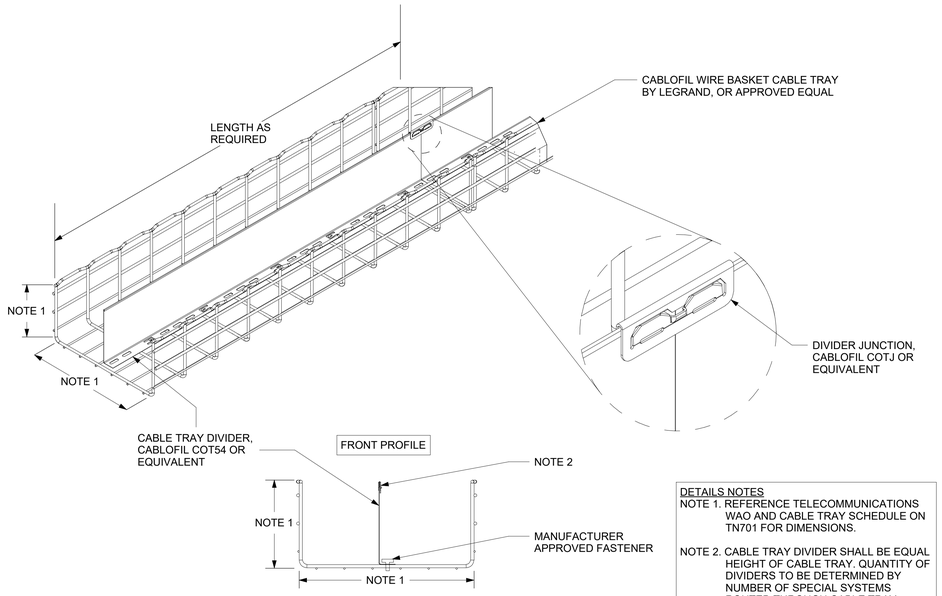
4 - TYPICAL HIGH DENSITY WALL MOUNTED WORK AREA OUTLET CONFIGURATION

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. TRAY SHALL BE INSTALLED AT LEAST 6" OFF WALL TO ALLOW FOR ELECTRICAL AND MECHANICAL PIPING INSTALLATIONS.

6 - WIRE BASKET CABLE TRAY WITH DIVIDER

NTS

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

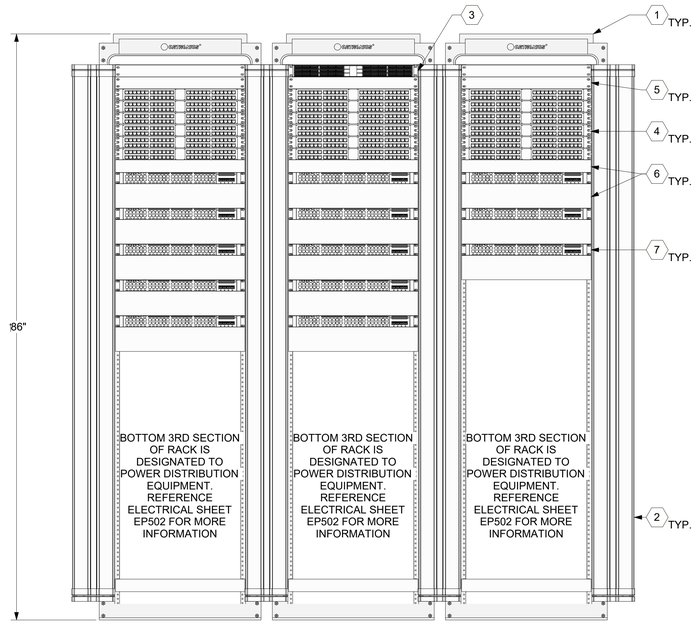
STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

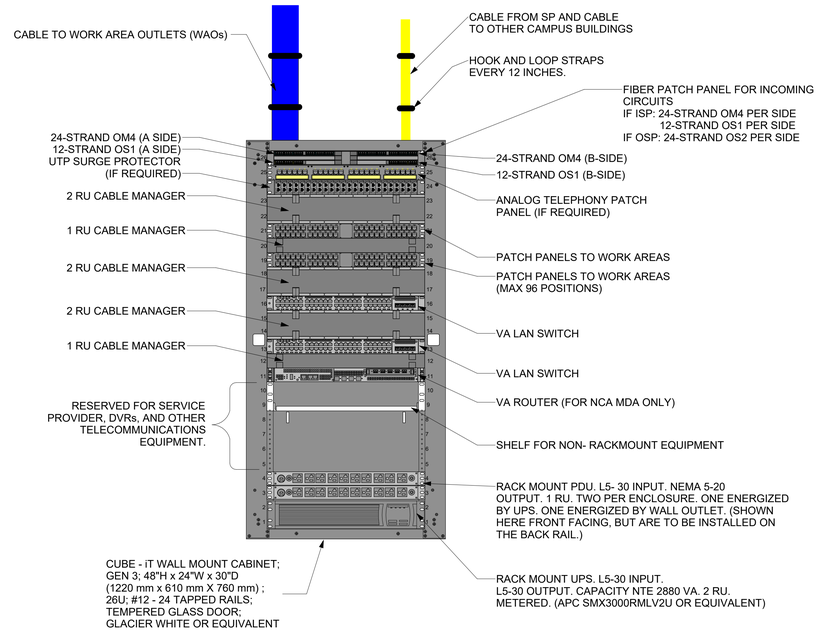
Drawing Title	Phase	Project Title	Project Number
TELECOMMUNICATIONS DETAILS	100% CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	528A7-22-700
			Building Number: -
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: TN501
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

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



1 - TYPICAL TR DATA RACK ELEVATION DETAIL - THREE RACKS

1" = 0'-9"



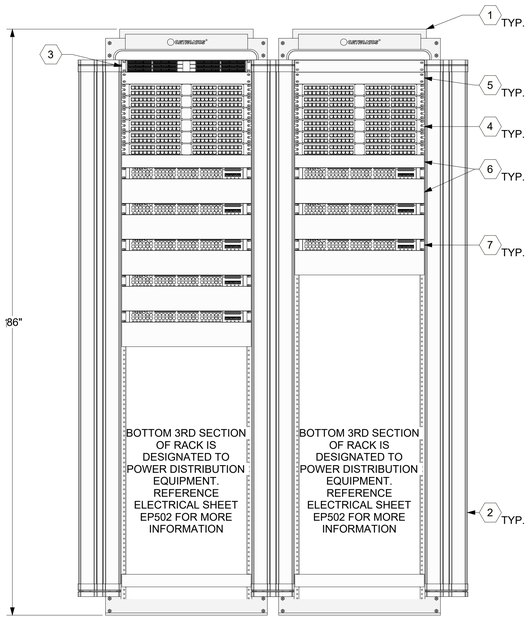
2 - TELECOMMUNICATIONS ENCLOSURE ELEVATION DETAIL

1/2" = 1'-0"

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.

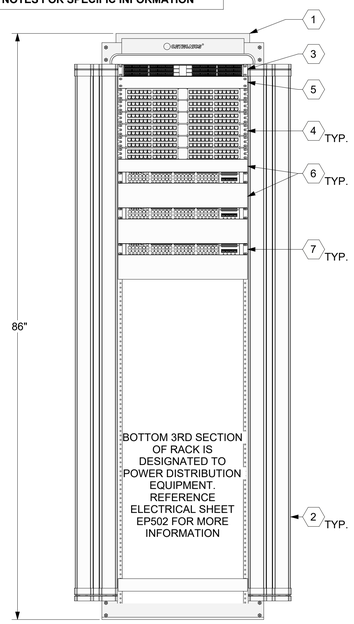
DETAIL IS GENERIC IN NATURE AND SHOWS GENERAL LAYOUT INFORMATION. REFERENCE GENERAL AND KEY NOTES FOR SPECIFIC INFORMATION



3 - TYPICAL TR DATA RACK ELEVATION DETAIL - TWO RACKS

1" = 0'-9"

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



4 - TYPICAL TR DATA RACK ELEVATION DETAIL - 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, CONTRACTOR INSTALLED. COORDINATE WITH VA FOR EXACT REQUIREMENTS AS NECESSARY.

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

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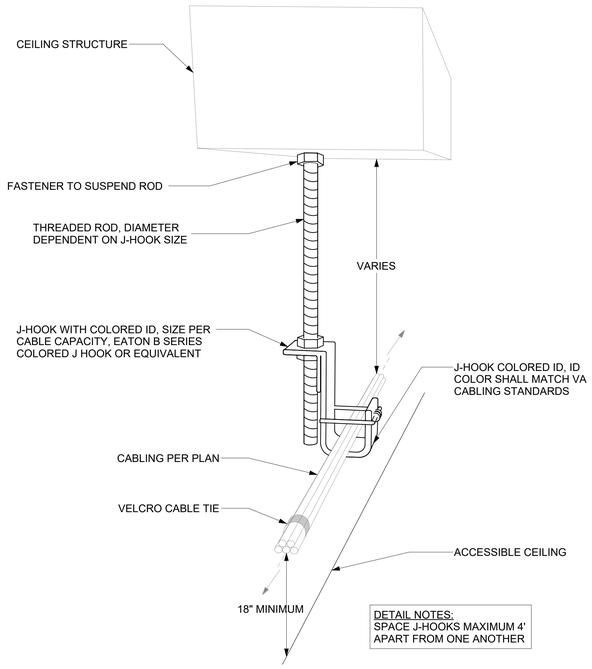
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TELECOMMUNICATIONS DETAILS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
			Building Number: -
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Drawing Number: TN502
		Issue Date: 08/22/2025 · Checked: KG · Drawn: RTS/JGD	

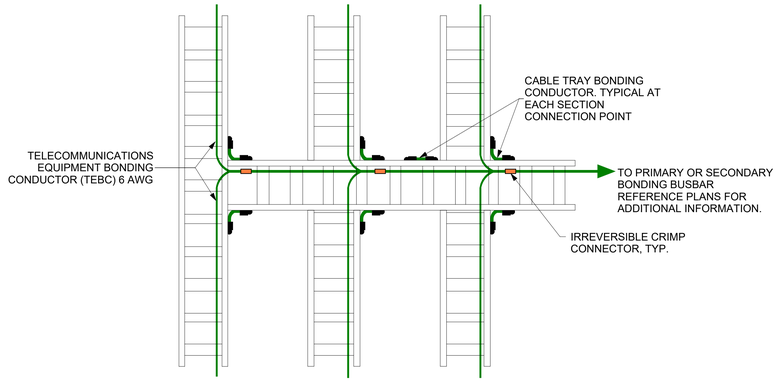


DETAIL NOTES:
SPACE J-HOOKS MAXIMUM 4' APART FROM ONE ANOTHER

1 TYPICAL J-HOOK INSTALLATION DETAIL

NTS

NOTE(S):
1. REFERENCE ELECTRICAL SHEETS FOR ADDITIONAL BONDING/GROUNDING REQUIREMENTS

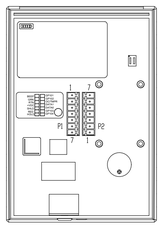


2 CABLE TRAY GROUNDING/BONDING REQUIREMENTS

NTS

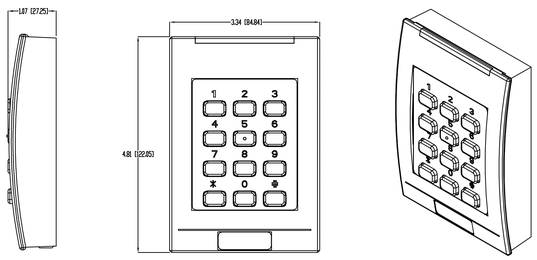
GENERAL NOTES (FOR THIS SHEET ONLY)

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



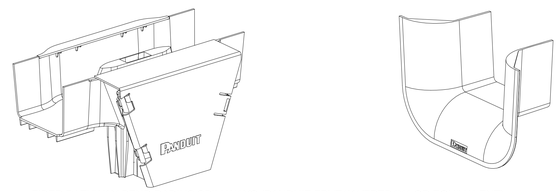
WIRING TABLE

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



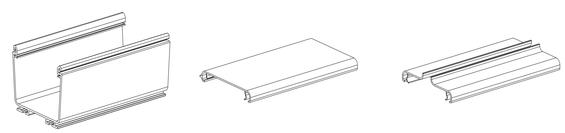
3 TYPICAL CONTACTLESS AUTHENTICATION AND PINPAD DEVICE

NTS



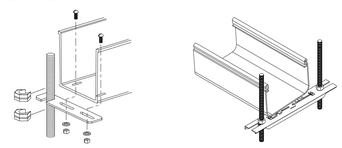
FIBER PATHWAY BEND RADIUS SPILLWAYS (PANDUIT FRVT4X4/FRTR4X4 OR EQUIVALENT):

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 PATHWAYS AND DETAILS

NTS

KEY NOTES (FOR THIS SHEET ONLY)

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
KENT, WA 98032

SPEESDESIGNBUILD

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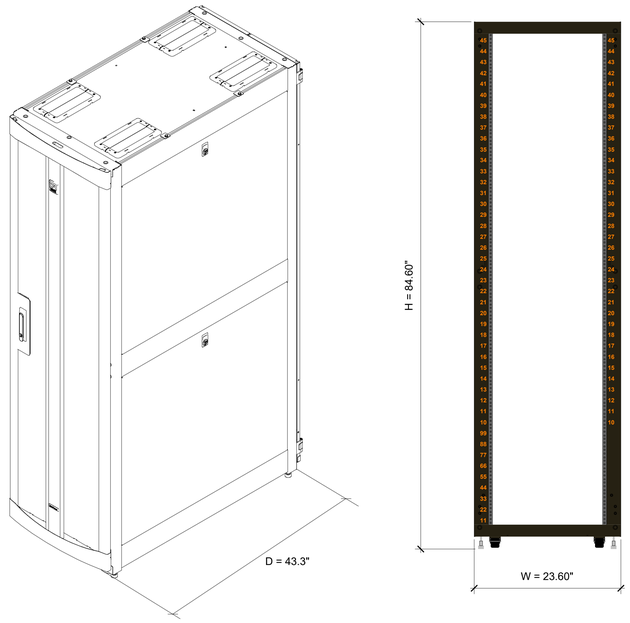
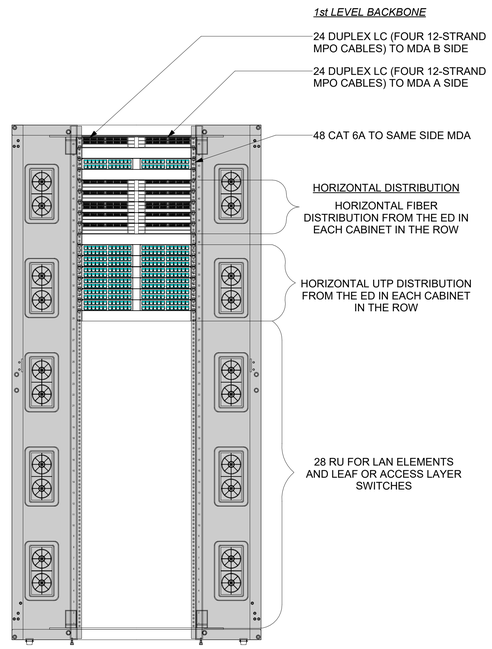
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

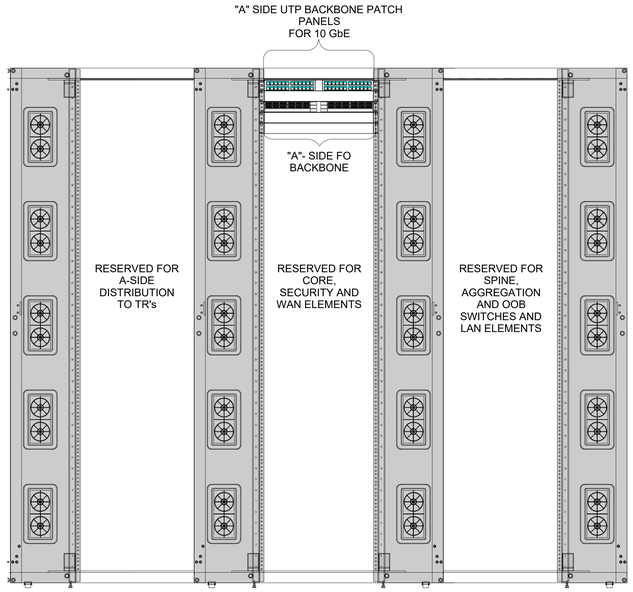
Drawing Title: TELECOMMUNICATIONS DETAILS	Phase: 100% CONSTRUCTION DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA	Project Number: 528A7-22-700
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Building Number: -
		Issue Date: 08/22/2025; Checked: KG; Drawn: RTS/JGD	Drawing Number: TN503



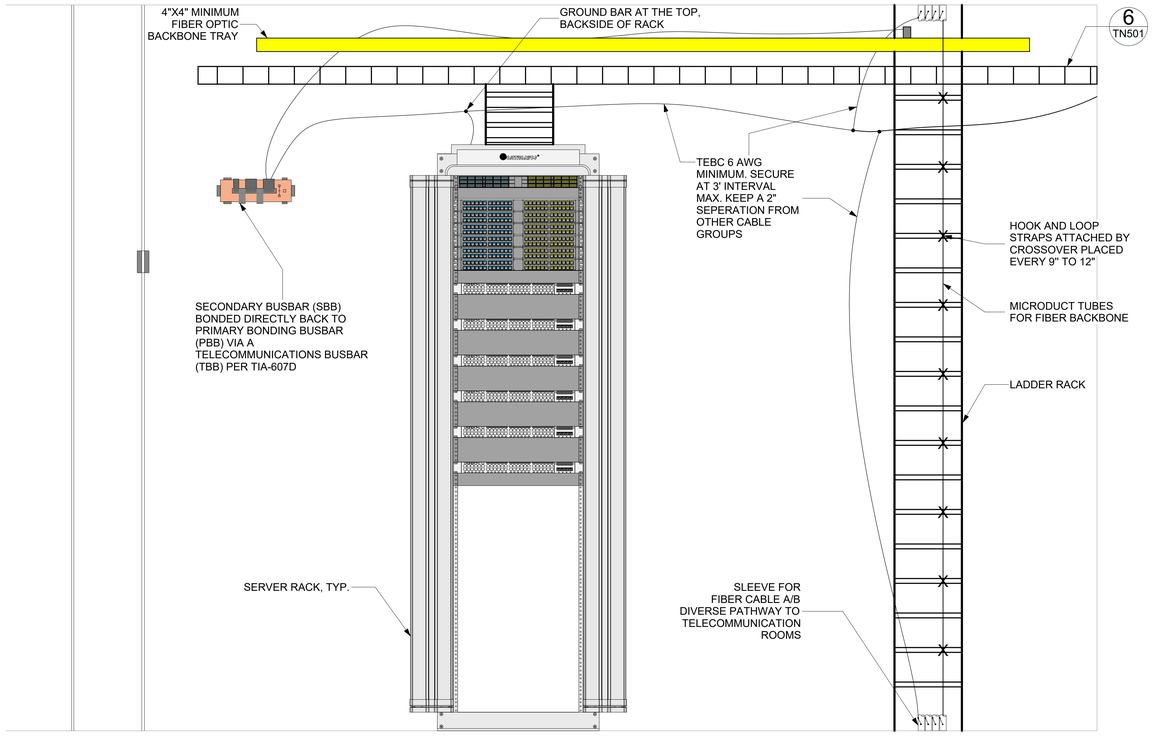
1 TYPICAL DATA CENTER SERVER CABINET DETAIL
NTS



2 TYPICAL END OF ROW HORIZONTAL DISRIBUTION AREA
NTS



3 SMALL DATA CENTER MAIN DISTRIBUTION AREA (A & B SIDES)
NTS



4 TYPICAL TR LADDER RACK ELEVATION
NTS

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
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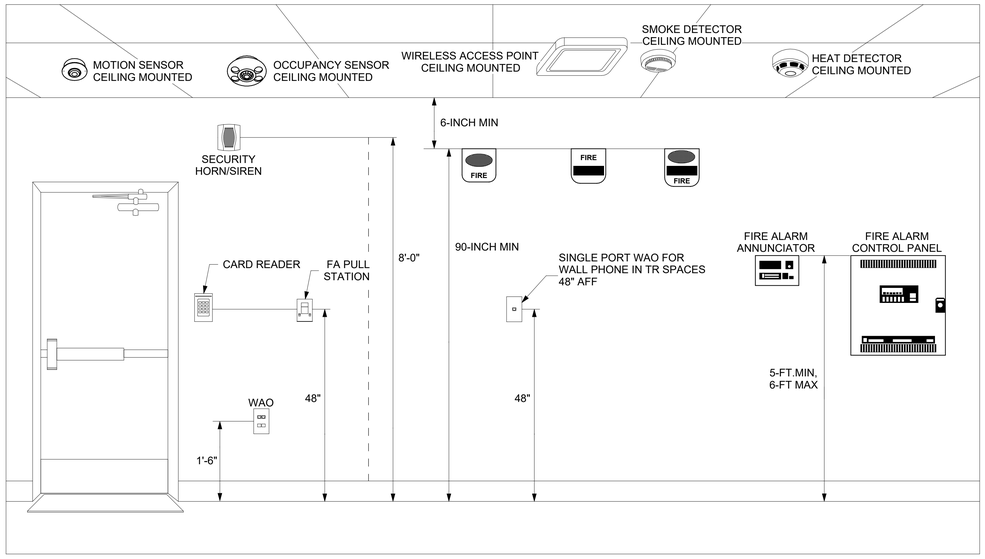
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

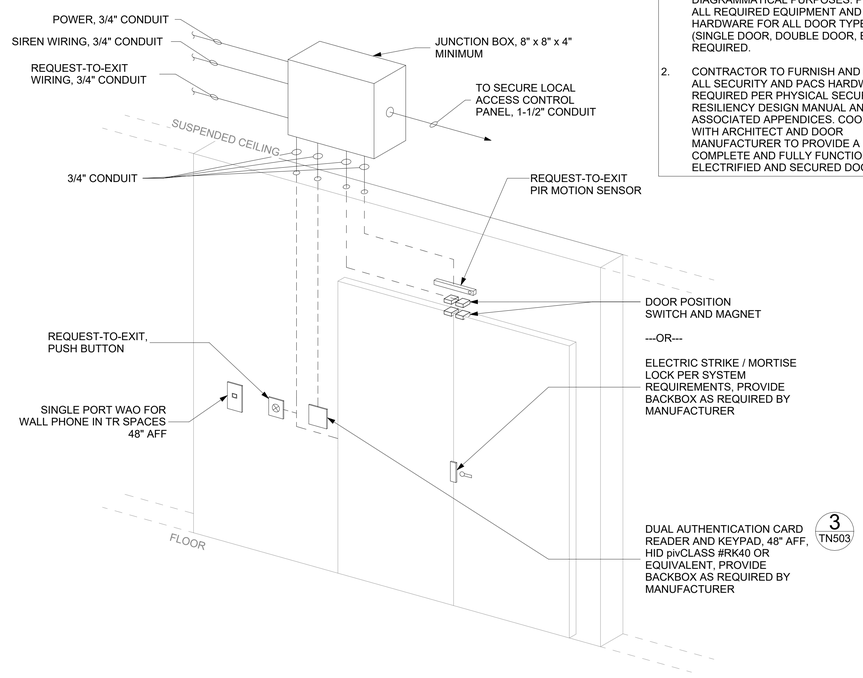
Drawing Title	TELECOMMUNICATIONS DETAILS
Approved:	
Phase	100% CONSTRUCTION DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA
Project Number	528A7-22-700
Building Number	-
Location	VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date	08/22/2025
Checked	KG
Drawn	RTS/JGD
Drawing Number	TN504

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



1 TYPICAL DEVICE MOUNTING HEIGHT DETAIL
1/2" = 1'-0"

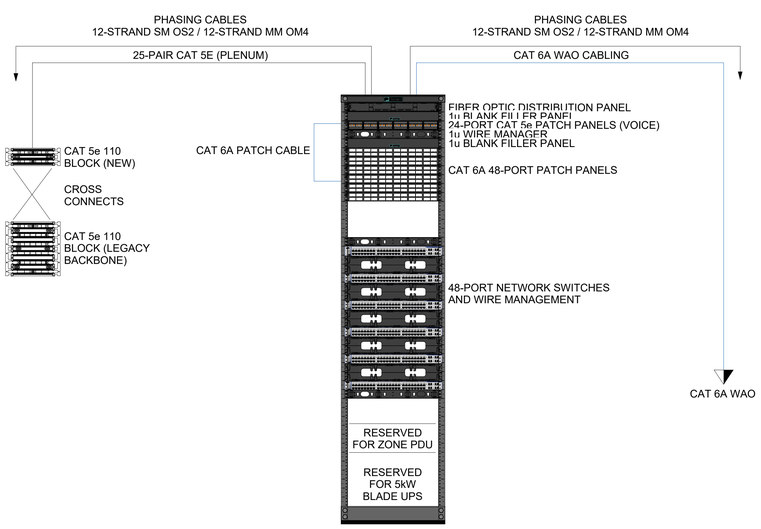
DETAILS NOTES:
1. DETAIL IS SHOWN FOR GENERAL DIAGRAMMATICAL PURPOSES. PROVIDE ALL REQUIRED EQUIPMENT AND HARDWARE FOR ALL DOOR TYPES (SINGLE DOOR, DOUBLE DOOR, ETC.) AS REQUIRED.
2. CONTRACTOR TO FURNISH AND INSTALL ALL SECURITY AND PACS HARDWARE AS REQUIRED PER PHYSICAL SECURITY AND RESILIENCY DESIGN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



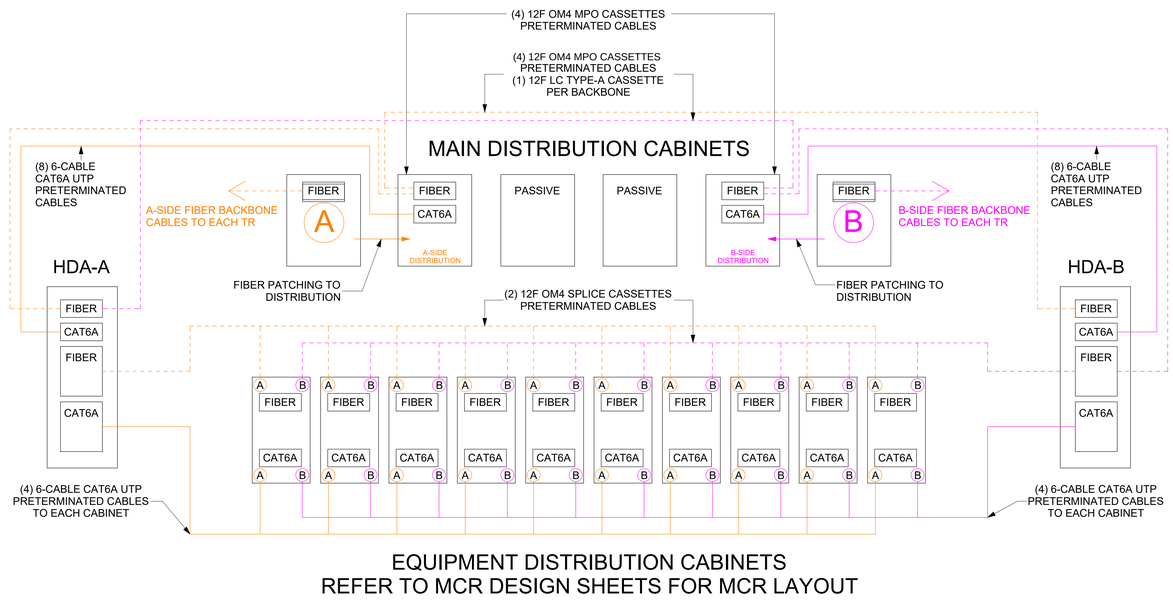
2 SECURITY DOOR CARD READER INSTALLATION DETAIL
NTS

GENERAL NOTES (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.



3 EXISTING TR TO NEW TR PHASING CONNECTION
NTS



EQUIPMENT DISTRIBUTION CABINETS
REFER TO MCR DESIGN SHEETS FOR MCR LAYOUT

01TN406c

4 DIVERSE ROUTING HORIZONTAL DISTRIBUTION AREA TO MAIN DISTRIBUTION AREA
NTS

KEY NOTES (FOR THIS SHEET ONLY)

Revisions:	Date:

CONSULTANT/ DISCIPLINE
DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
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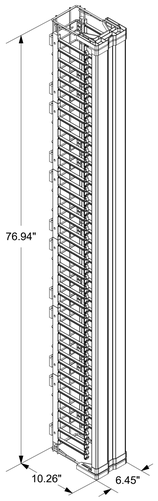
STAMP
BICSI Registered Communications Distribution Designer
Kris K Drood
BICSI ID # 722258
EXPIRES 12-31-27
RCDD

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 - SYRACUSE VA
Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210
Issue Date: 08/22/2025
Checked: KG
Drawn: RTS/JGD
Project Number: 528A7-22-700
Building Number: -
Drawing Number: TN505



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

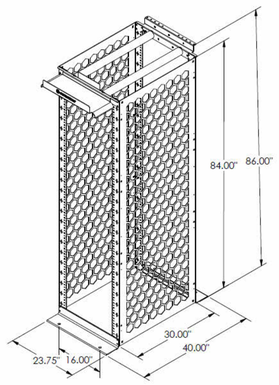
CAPACITY: 350 CATEGORY 6A PATCH CORDS OR 245 CATEGORY 6A PATCH CORDS

LARGER VCM AUTHORIZED IN ACCORDANCE WITH CABLING REQUIREMENT

1 - 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

2 - TYPICAL RACK DIMENSIONS AND SPECIFICATIONS

NTS

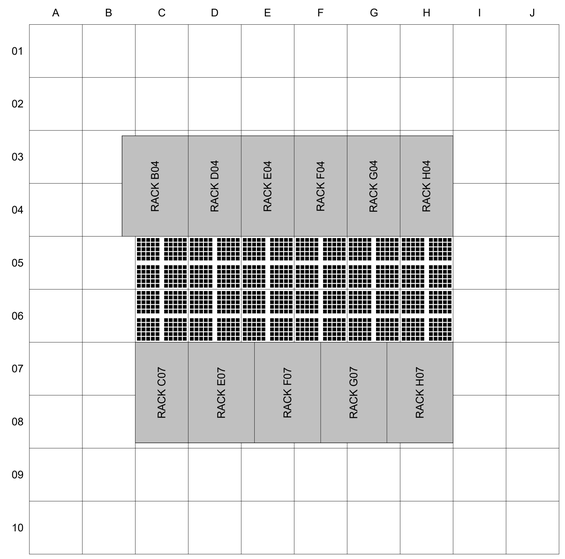
FIBER BACKBONE HOME RUN FROM ALL TRs TO MDA TO HAVE SPLICE CASSETTES ON BOTH ENDS

RECOMMENDED LC FIBER SPLICE CASSETTE:
LEVITON HDX OR EQUICALENT

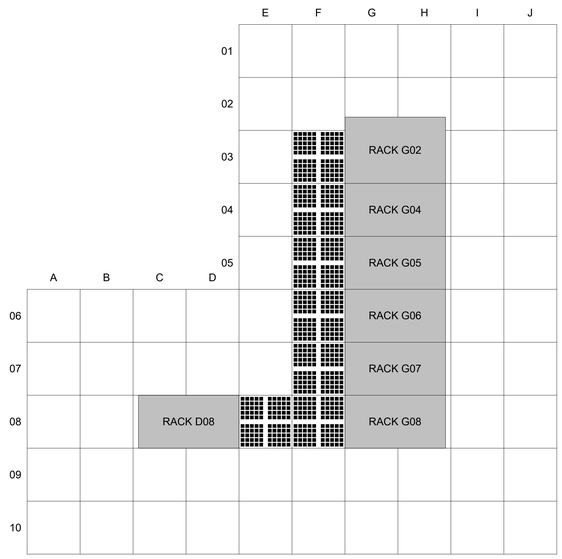
PART NUMBER: SPLCH-12AQ (OM4) / SPLCH-12GN (OS2)
DESCRIPTION:
HDX OM4 LC CASSETTE, (0.15 DB) 12-FIBER OM4 TO 12X1-FIBER LC(UPC)
HDX OS2 LC CASSETTE, (0.24 DB) 12-FIBER OS2 TO 12X1-FIBER LC(APC)
ADD OS1

3 - FIBER SPLICE CASSETTES (LC BREAKOUT)

NTS



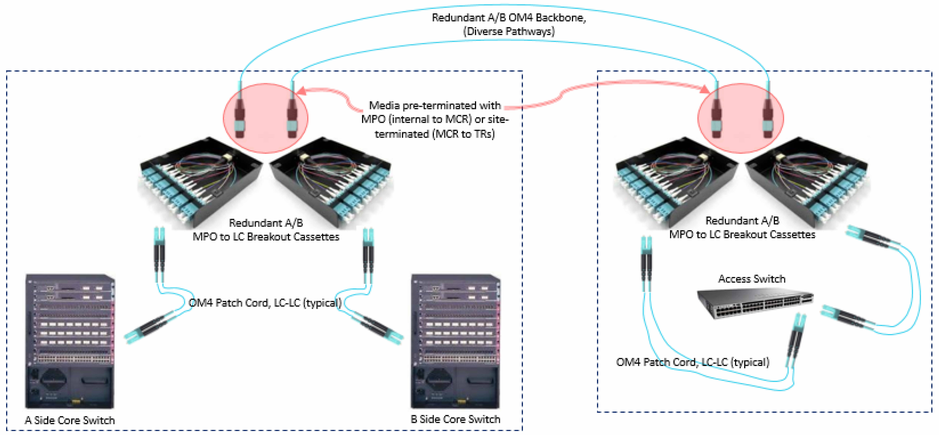
GRID IDENTIFICATION - TYPICAL SMALL COMPUTER ROOM



GRID IDENTIFICATION - OFFSET START SMALL COMPUTER ROOM

4 - TYPICAL POSITION IDENTIFICATION EXAMPLES

NTS



5 - FIBER BACKBONE SPLICE CASSETTE CONFIGURATION

NTS

Revisions:	Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

A/E:
SPEES DESIGN BUILD
23830 PACIFIC HIGHWAY S. SUITE 300
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SPEESDESIGNBUILD

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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 - SYRACUSE VA	528A7-22-700
Approved:	FULLY SPRINKLERED	Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210	Building Number: -
		Issue Date: 08/22/2025 / Checked: KG / Drawn: RTS/JGD	Drawing Number: TN506

VA FORM 08 - 6231

19/05/2025 5:21:37 am

Autodesk Docs://528A7-22-700 VA Syracuse EHRM infrastructure Upgrades/VA SYRACUSE - GENERAL SHEETS.rvt

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)
1	00S	2	-	SERVED BY TR "SL06"	-	-	-
	00B	319	2	SL06	7	18	3
	00B	152	1	AL08	4	12	2
	00G	251	1	SG95	6	12	3
	00G	153	2 (TE)	NG15	4	12	2
	00G	78	1 (TE)	G55	2	12	2
	00G	611	3	CG06A	13	36	6
	01	476	2	S196	10	20	5
	01	678	3	C106A	15	36	6
	02	643	3	C203	14	36	6
	02.5	344	2	S272	8	18	3
	03	690	3	C303	15	36	6
	04	404	2	C403A	9	18	4
	04	421	2	S406	9	18	4
	05	355	2	C507	8	18	4
	06	498	2	C607	11	24	5
	07	451	2	C703	10	20	4
	08	257	2	C808	6	12	3
	09	322	2	C907	7	18	3
	10&11	2	-	SERVED BY TR "C907"	-	-	-
2	00B	0	1	BT03	3	12	2
	00G	63	-	SERVED BY TR "BT03"	-	-	-
	01	42	-	SERVED BY TR "BT03"	-	-	-
	02	24	-	SERVED BY TR "BT03"	-	-	-
16	01	179	1	16-12	4	12	2
ROME	0	58	1	G120	2	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.
5. TOTAL MINIMUM NUMBER OF FIRESTOP SLEEVES BASED OFF DETAIL 3, TN501; USE GANGPLATE WHERE REQUIRED. TOTAL MINIMUM NUMBER SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ACQUISITION OF EQUIPMENT. COORDINATE WITH EXISTING HORIZONTAL SLEEVES; EXISTING SLEEVES SHALL REMAIN. MINIMUM OF 2 FIRESTOP SLEEVES FOR HORIZONTAL CABLING A AND B PATHWAYS. CONTRACTOR SHALL PROVIDE AN INITIAL SURVEY OF ALL AREAS TO BE UPGRADED TO VERIFY UNOBSTRUCTED ENTRANCES AND ANY EXISTING SLEEVE OR GANGPLATE INSTALLATIONS.
6. EXISTING RACKS TO BE RE-USED. REFERENCE ENLARGED PLAN SHEETS FOR PHASING INFORMATION.

NEW MCR - BLDG 01, LEVEL 06, ROOM DC1
OLD MCR - BLDG 01, LEVEL 02, ROOM C273
BIOMED - BLDG 01, LEVEL 00G, ROOM SL06

GENERAL NOTES

KEY NOTES

Revisions: | Date:

CONSULTANT/ DISCIPLINE

DISCIPLINE:

ARCHITECT/ ENGINEER OF RECORD

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KENT, WA 98032

SDB SPEESDESIGNBUILD

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BICSI RCDD

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TELECOMMUNICATIONS SCHEDULES

Approved:

Phase: 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - SYRACUSE VA

Location: VA NY SYRACUSE, 800 IRVING AVE., SYRACUSE, NY 13210

Issue Date: 08/22/2025 | Checked: KG | Drawn: RTS/JGD

Project Number: 528A7-22-700

Building Number: -

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