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COMMUNICATION SYMBOLS		GENERAL NOTES
SYMBOL	DESCRIPTION	
	TELECOMMUNICATIONS OUTLET (TCO), COMBINATION TELEPHONE/ DATA COMMUNICATION OUTLET - 4 DATA PORT FACE PLATE WITH 4 DATA PORTS AND CAT6A CABLES. CH = COUNTER HEIGHT	<ol style="list-style-type: none"> PRODUCTS SHALL BE OF MATERIALS THAT ARE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED. WORKING CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL BE MAINTAINED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 110. COORDINATE EQUIPMENT INSTALLATION TO MAINTAIN REQUIRED CLEARANCES. IF AN OUTLET BOX IS REQUIRED TO BE LOCATED IN AN ASSEMBLY OR PARTITION RATED AS "FIRE-SMOKE" OR "SMOKE" OR IDENTIFIED AS EITHER "FIRE-SMOKE" OR "SMOKE", THEN ALL OF THE FOLLOWING CONDITIONS SHALL BE MET: <ol style="list-style-type: none"> THE OUTLET BOX SHALL BE METALLIC. THE OUTLET BOX OPENINGS SHALL OCCUR ONLY ON ONE SIDE OF THE FRAMING SPACE. THE OUTLET BOX OPENINGS SHALL NOT EXCEED 16 SQUARE INCHES. ALL CLEARANCES BETWEEN THE OUTLET BOX AND THE WALL BOARD MATERIAL SHALL BE COMPLETELY SEALED WITH APPROVED MATERIALS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS FOR THE PROJECT. PROVIDE A SUPPLEMENTAL BARRIER AROUND OUTLETS LARGER THAN 16 INCHES SO THAT THE ORIGINAL RATING OF THE PENETRATION IS MAINTAINED. THE TOTAL AGGREGATE SURFACE AREA OF THE OUTLET BOX SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET. THE OUTLET BOX SHALL BE SEPARATED FROM OPENINGS ON THE OPPOSITE SIDE OF THE RATED PARTITION BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES. THE OUTLET BOX SHALL BE SECURELY FASTENED TO A PARTITION FRAMING MEMBER BY MEANS OF AN APPROVED ATTACHMENT METHOD. OPENINGS CUT INTO THE WALL BOARD MATERIAL SHALL NOT EXCEED 1/8 INCH BETWEEN THE EDGES OF THE OUTLET BOX AND THE EDGES OF THE OPENING. LOCATIONS OF EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT EQUIPMENT LOCATION AND CONNECTION REQUIREMENTS WITH THE APPROPRIATE TRADE PRIOR TO INSTALLATION. FOR EXACT LOCATION OF CEILING MOUNTED EQUIPMENT REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS OF EQUIPMENT NOT INCLUDED ON THE REFLECTED CEILING PLAN SHALL BE COORDINATED WITH THOSE ITEMS SHOWN. COORDINATION OF CEILING MOUNTED EQUIPMENT SHALL BE PRIOR TO ANY ROUGH-IN. NOTIFY ARCHITECT OF ANY DISCREPANCY. PROVIDE FINAL CONNECTIONS TO OWNER PROVIDED EQUIPMENT WHERE INDICATED ON THE PLAN DRAWINGS. PRIOR TO ROUGH-IN AND INSTALLATION OF ANY FLOOR MOUNTED DEVICE, VERIFY LOCATION WITH THE ARCHITECT. VERIFY AND COORDINATE THE LOCATION OF REQUIRED DIVISION 27 OUTLETS WITH OTHER TRADE DRAWINGS AND OWNER PROVIDED EQUIPMENT. ALL RACEWAY SYSTEMS SHOWN TO SUPPORT THE INSTALLATION OF THE DIVISION 27 EQUIPMENT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. PROVIDE COORDINATION FOR THE INSTALLATION OF THE RACEWAY SYSTEM WITH THE ELECTRICAL CONTRACTOR. EACH VOICEDATA OUTLET LOCATION SHOWN, SHALL HAVE A DOUBLE GANG OUTLET BOX WITH A SINGLE GANG PLASTER RING AND (1) 1-1/2" CONDUIT STUBBED UP TO AN ACCESSIBLE LOCATION ABOVE THE FINISHED CEILING OR TO AN ACCESSIBLE CABLE TRAY WHERE PROVIDED. WORK BY ELECTRICAL CONTRACTOR PER SPEC. ALL BONDING AND GROUNDING ELEMENTS UTILIZED FOR STRUCTURED CABLING SYSTEM SHALL BE IN COMPLIANCE WITH SPECIFICATION SECTION 282000. PROVIDE ALL SLEEVES AS REQUIRED FOR ALL LOW VOLTAGE CABLE PATHWAYS. RESTORE THE FIRE RATINGS OF THE SURFACE. CABLE UNDER SLAB USE INDOOR/OUTDOOR JACKET. TELECOMMUNICATIONS ROOM SHALL BE BONDED AND GROUNDING IN ACCORDANCE WITH TIA-607B. ALL TELECOMMUNICATIONS CONDUITS SHALL BE PROVIDED WITH BUSHINGS AT EACH END FOR PROTECTION OF STRUCTURED CABLE. WIRELESS ACCESS POINTS (WAP), HORIZONTAL CABLING AND ASSOCIATED RACK MOUNTED EQUIPMENT (SWITCHES, PATCH PANES, AND HORIZONTAL CABLE MANAGEMENT) PROVIDED AND INSTALLED BY OTHERS.
	OUTLET (VOIP) TELEPHONE; (1) CAT6A CABLE. LETTER INDICATES AS FOLLOWS: J = JACK TYPE 18" AFF W = WALL TYPE 48" AFF	
	OUTLET DATA ONLY - (1) CAT6A CABLE PER OUTLET. # = NUMBER OF OUTLETS, CH = COUNTER HEIGHT	
	CEILING MOUNTED (1) PORT DATA OUTLET - (1) CAT6A CABLE PER OUTLET.	
	CEILING MOUNTED DAS ANTENNA. BI-DIRECTIONAL ANTENNA (BDA) SYSTEM	
	OUTLET; LETTER INDICATES AS FOLLOWS: A = AUDIO I = INTERCOM V = VIDEO - PROVIDE RECESSED AUDIO/VIDEO CONNECTION BOX FOR NETWORK AND ELECTRICAL CONNECTION.	
	NURSE'S CALL MASTER STATION MTD ON NURSE'S COUNTER TOP UNLESS OTHERWISE NOTED.	
	NURSE CALL TERMINAL CABINET.	
	CEILING MOUNTED PUBLIC ADDRESS SYSTEM SPEAKER	
	TELEPHONE BACKBOARD (WALL MOUNTED) SEE VA BARRIER FREE DESIGN GUIDE PG-18-13.	
	NURSE CALL STATION. D = DUTY STATION, MTD 5'-0" [1524mm] AFF UNLESS NOTED OTHERWISE. E = (2) LOCATIONS VERTICALLY MTD 48'-0" AFF & 1'-0" AFF FOR TOILET LOCATION.	
	NURSE CALL DOME LIGHT, CEILING MOUNTED. D = CORRIDOR DOME LIGHT WITH SOUNDER.	
	BASKET STYLE CABLE TRAY. SIZE AND MOUNTING HEIGHT AS INDICATED ON PLANS.	
	LADDER STYLE CABLE TRAY. SIZE AND MOUNTING HEIGHT AS INDICATED ON PLANS.	
	CEILING MOUNTED, RECESSED 4" SQUARE JUNCTION BOX.	
	WALL MOUNTED, RECESSED 4" SQUARE JUNCTION BOX.	

PULL SCHEDULE REQUIREMENTS	
CONTRACTOR SHALL PROVIDE PULL SCHEDULE WITH TELECOM SHOP DRAWINGS. TELECOM SHOP DRAWINGS WILL NOT BE REVIEWED UNLESS THEY INCLUDE PULL SCHEDULES.	
CAT 6a COPPER CABLE COLOR CODING	
WHITE	- TELEPHONE
YELLOW	- PC/PRINTER
GREEN	- MULTIPLE MAC
BLUE	- LAPTOP

TELECOMMUNICATIONS ABBREVIATIONS			
1PH	SINGLE-PHASE	DAS	DISTRIBUTED ANTENNA SYSTEM
2C	TWO-CONDUCTOR	DB	DECIBEL OR DIRECT BURIAL
3C	THREE-CONDUCTOR	DC	DIRECT CURRENT
3PH	THREE-PHASE	DEG C	DEGREES CELSIUS
4C	FOUR-CONDUCTOR	DEG F	DEGREES FAHRENHEIT
4W	FOUR-WIRE	DEMO	DEMOLITION
A/C UNIT	AIR CONDITIONING UNIT	DIAG	DIAGRAM
A/E	ARCHITECT/ENGINEER	DISTR	DISTRIBUTION
ALP	ALARM ANNUNCIATOR PANEL	DN	DOWN
AC	ALTERNATING CURRENT OR ARMORED CABLE	DRSW	DOOR SWITCH
ACC	ACCESSIBLE	DWS	DRAWING
ADJL	ADDITIONAL	EC	EMPTY CONDUIT
ADJ	ADJACENT, ADJOINING	EG	EQUIPMENT GROUND
ADO	AUTOMATIC DOOR OPENER	EL	ELEVATION
AFC	ABOVE FINISHED COUNTER	ELEC	ELECTRIC OR ELECTRICAL
AF	ABOVE FINISHED FLOOR	ELEV	ELEVATOR
AFG	ABOVE FINISHED GRADE	EMER	EMERGENCY
AHJ	AUTHORITY HAVING JURISDICTION	EMI	ELECTROMAGNETIC INTERFERENCE
ALT	ALTERNATE	EMT	ELECTRICAL METALLIC TUBING
AMB OR A	AMBIENT	ENCL	ENCLOSURE
ARCH	ARCHITECT	EPO	EMERGENCY POWER OFF
ATS	AUTOMATIC TRANSFER SWITCH	ESMT	EASEMENT
AUTO	AUTOMATIC	EXIST	EXISTING
AV	AUDIO VISUAL	FLEX	FLEXIBLE METALLIC CONDUIT
BAT	BATTERY	FOUTT	TELEPHONE FLOOR OUTLET
CAB	CABINET	FP	FIRE PROTECTION
BD	BOARD	FT	FEET OR FOOT
BDA	BI-DIRECTIONAL ANTENNA	FU SW	FUSED SWITCH
BFF	BELOW FINISH FLOOR	G OR GND	GROUND OR GENERATOR
BLDG	BUILDING	GEN	GENERATOR
BPIP	BOILER PLANT INSTRUMENTATION PANEL	GTB	GROUND TERMINAL BOX
BVP	BY PASS	HOA	HAND-OFF-AUTOMATIC
C	CONDUIT	HT	HEIGHT
CAB	CABINET	HZ	HERTZ
CALC	CALCULATE	IMC	INTERMEDIATE METAL CONDUIT
CAP	CAPACITY	IR	INFRARED
CAT	CATALOG	J-BOX	JUNCTION BOX
CATV	COMMUNITY ANTENNA TELEVISION	LF	LINEAR FEET (FOOT)
CCR	CONTROL CONTRACTOR	LTNG	LIGHTNING
CCTV	CLOSED CIRCUIT TELEVISION	LV	LOW VOLTAGE
CD	CONSTRUCTION DOCUMENTS	MATV	MASTER ANTENNA TELEVISION SYSTEM
CF/CI	CONTRACTOR FURNISHED	MAX	MAXIMUM
CF/DO	CONTRACTOR FURNISHED/OWNER INSTALLED	MECH	MECHANICAL
C/E	CONTRACTOR FURNISHED EQUIPMENT	MH	MANHOLE
T-101	LEVEL B PLAN - FIBER ROUTING	MIN	MINIMUM
T-102	LEVEL 1 PLAN - OVERALL	MT	MOUNT
TA101	LEVEL B PLAN - AV/PA/NURSE CALL	MTD	MOUNTED
TA102	LEVEL 1 PLAN - AV/PA/NURSE CALL	MTG	MOUNTING
TA103	LEVEL 2 PLAN - AV/PA/NURSE CALL	NA	NOT APPLICABLE
TN101	LEVEL B PLAN - DATA/BDA	NEC	NATIONAL ELECTRICAL CODE
TN102	LEVEL 1 PLAN - DATA/BDA	NEUT OR N	NEUTRAL
TN103	LEVEL 2 PLAN - DATA/BDA	NIC	NOT IN CONTRACT
TN104	ROOF LEVEL PLAN - DATA/BDA	NS	NO SCALE
T-401	TELECOM ENLARGED PLANS	NTS	NOT TO SCALE
T-501	TELECOM DETAILS		
T-601	TELECOM RISERS AND DIAGRAMS		

COORDINATION NOTES:	
STRUCTURED CABLING SYSTEM (SCS): THE SCS CONTRACTOR (SCSC) SHALL PROVIDE ALL BACKBONE AND HORIZONTAL CABLING COMPONENTS AND TERMINATIONS AS REQUIRED FOR A COMPLETE AND OPERATIONAL CABLING SYSTEM PER INDUSTRY BEST PRACTICES AS PRESCRIBED BY BICSI AND NEC.	FIRE STOPPING: THE EC SHALL BE RESPONSIBLE FOR FIRE-STOPPING SLEEVE ASSEMBLIES TO OBTAIN A UL RATING. THE EC SHALL BE RESPONSIBLE FOR FIRE-STOPPING INSIDE THE SLEEVES AFTER CABLE INSTALLATION IS COMPLETE.
THE SCSC SHALL BE RESPONSIBLE FOR COORDINATION WITH THE ELECTRICAL CONTRACTOR (EC) FOR SPECIFIC LOCATIONS OF ALL TELECOMMUNICATIONS SYSTEM DEVICES, INCLUDING ANCHLARY SYSTEM COMPONENTS AND ASSOCIATED CONDUITS PROVIDED BY THE EC.	CASEWORK / MILLWORK: THE SCSC SHALL BE RESPONSIBLE FOR INSTALLING TELECOMMUNICATIONS OUTLETS IN CASEWORK AS REQUIRED. CABLES SHALL BE CONCEALED IN CASEWORK.
THE ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL ROUGH-IN COMPONENTS ASSOCIATED WITH THE TELECOMMUNICATIONS SYSTEM COMPONENTS AS NOTED ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO, CONDUIT AND BACK-BOXES. THE EC SHALL COORDINATE ALL REQUIREMENTS WITH THE SCS CONTRACTOR.	THE EC SHALL BE RESPONSIBLE FOR INSTALLING ASSOCIATED CONDUIT AND BACK-BOXES AND SHALL STUB CONDUIT TO THE ABOVE ACCESSIBLE CEILING SPACE.
TELECOM ROOM (TR) EQUIPMENT RACKS: THE SCS CONTRACTOR (SCS) SHALL FURNISH AND INSTALL ALL EQUIPMENT RACKS. THE SCS CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLING PATCH PANELS (COPPER AND FIBER) WITH RACK, AND SHALL BE RESPONSIBLE FOR ALL CABLE TERMINATIONS AT THE PATCH PANELS.	CONDUIT: THE EC SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL BACKBONE AND HORIZONTAL CABLING PATHWAYS. THIS SHALL INCLUDE ALL INTERIOR CONDUITS, PATHWAY COMPONENTS SUCH AS JUNCTION BOXES, PULL BOXES, WALL/CEILING PENETRATIONS AND CONDUIT SLEEVES, WHETHER SHOWN ON THE DRAWINGS OR AS REQUIRED TO PENETRATE FULL-HEIGHT PARTITIONS AS SHOWN ON THE DRAWINGS. THE EC SHALL PROVIDE AND INSTALL ALL BUSHINGS ON TELECOMMUNICATIONS CONDUITS PRIOR TO INSTALLATION OF CABLING.
THE VA SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL ACTIVE EQUIPMENT, CONTROLLERS, SWITCHES, ETC. THAT RESIDE WITHIN THESE RACKS.	THE SCSC SHALL BE RESPONSIBLE FOR ALL WIRE RACEWAYS, CABLE RUNWAY (LADDER RACK) AND OTHER REQUIREMENTS FOR ROUTING AND SECURING CABLE INSIDE THE MAIN TELECOMMUNICATIONS ROOM (MTR) AND ALL TRS.
GROUNDING AND BONDING: THE EC SHALL BE RESPONSIBLE FOR INSTALLING THE GROUNDING BUSBAR(S) AS ILLUSTRATED ON THE DRAWINGS AND SPECIFICATIONS, AND CONNECTING IT TO THE BUILDING MAIN ELECTRICAL SERVICE GROUND. THE EC SHALL BE RESPONSIBLE FOR GROUNDING ALL BACKBONE CONDUIT AND CABLE TRAY.	TELECOMMUNICATIONS COMMUNICATIONS OUTLETS (C.O.'S) AND DEVICES: THE EC SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT AND BACK-BOXES ASSOCIATED WITH THE TELECOMMUNICATIONS C.O.'S AND DEVICES.
THE SCSC SHALL BE RESPONSIBLE FOR GROUNDING ALL RACKS, CABINETS, ENCLOSURES, PROTECTOR BLOCKS AND CABLE LADDER-RACK INSIDE TELECOMMUNICATIONS ROOMS.	THE SCSC SHALL BE RESPONSIBLE FOR INSTALLATION OF ALL STRUCTURED CABLING, JACKS, FACEPLATES AND JUMPER/PATCH CORDS.
	BACKBOARDS: THE EC SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL BACKBOARDS AS ILLUSTRATED ON THE DRAWINGS AND AS REQUIRED FOR A COMPLETE SYSTEM AS ILLUSTRATED IN THE SPECIFICATIONS. THE EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF ALL CONDUIT AND BACK-BOXES. POWER CONDUITS SHALL BE CONCEALED BEHIND ALL BACKBOARDS. BACKBONE CONDUIT SHALL BE EXPOSED AS ILLUSTRATED ON THE DRAWINGS (TR WALL ELEVATIONS).

TELECOM DRAWING INDEX		
SHEET	DESCRIPTION	
T-001	TELECOM LEGEND AND ABBREVIATIONS	
T-101	LEVEL B PLAN - FIBER ROUTING	
T-102	LEVEL 1 PLAN - OVERALL	
TA101	LEVEL B PLAN - AV/PA/NURSE CALL	
TA102	LEVEL 1 PLAN - AV/PA/NURSE CALL	
TA103	LEVEL 2 PLAN - AV/PA/NURSE CALL	
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TN104	ROOF LEVEL PLAN - DATA/BDA	
T-401	TELECOM ENLARGED PLANS	
T-501	TELECOM DETAILS	
T-601	TELECOM RISERS AND DIAGRAMS	

Revisions:	Revision Description	Date:

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RCDD Reg. No. 285002

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
TELECOM LEGEND AND ABBREVIATIONS

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

Project Number
650-347

Building Number
39

Location
PROVIDENCE, RI

Issue Date
FEB 04 2022

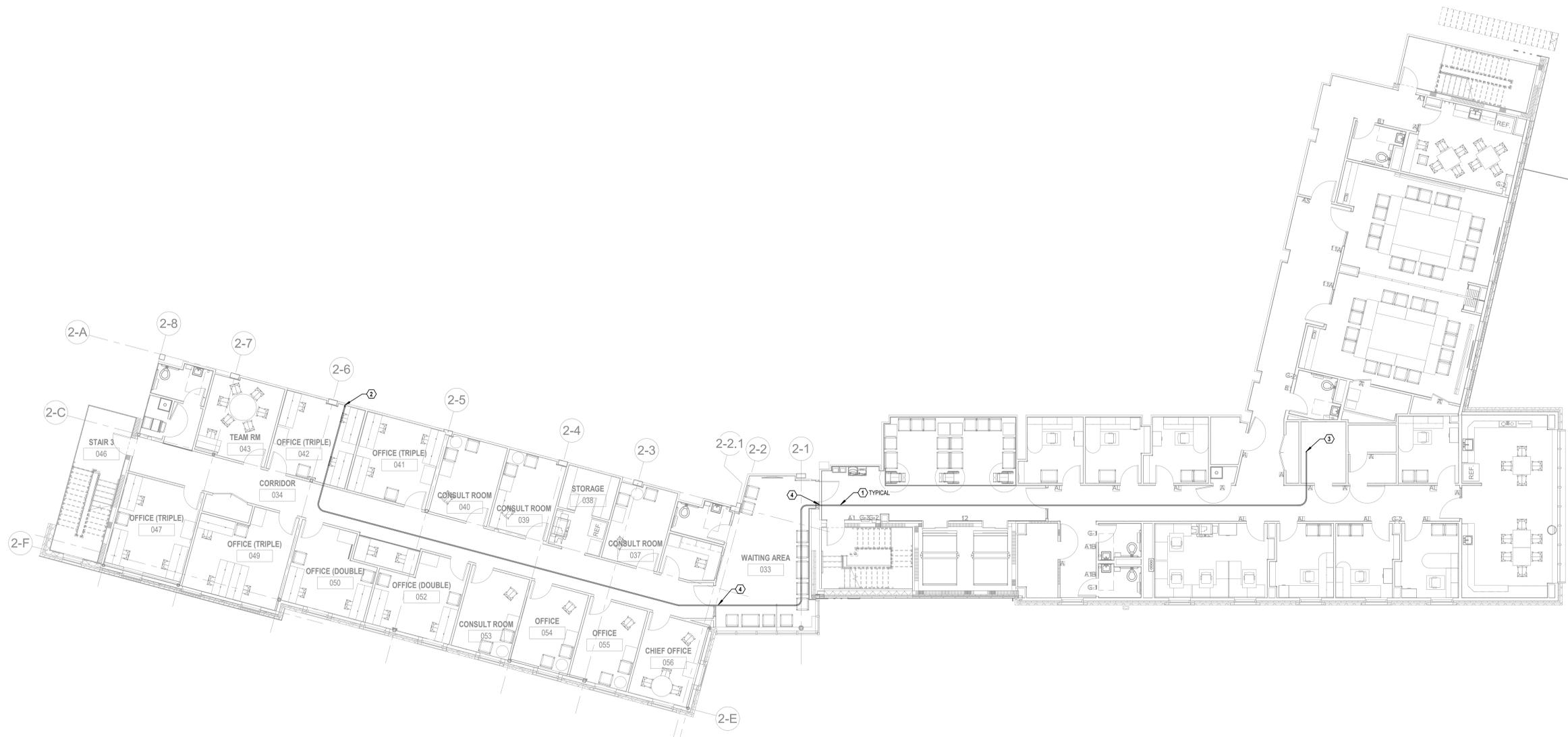
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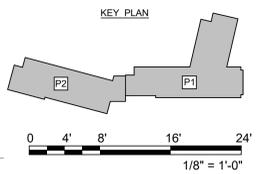
Drawing Number
T-001

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VA FORM 08 - 6231

- DRAWING NOTES:**
- CONDUIT ROUTING INDICATED ON THIS PLAN IS DIAGRAMMATIC. CONTRACTOR TO COORDINATE EXACT CONDUIT ROUTING IN FIELD WITH ALL OTHER TRADES AND STRUCTURE PRIOR TO CONSTRUCTION.
- CODED NOTES:**
- ROUTE (1) OM3 FIBER OPTIC CABLE AND (1) OM2 FIBER OPTIC CABLE ABOVE CEILING FROM PHASE 1 TELEDATA ROOM 019 TO NEW PHASE 2 TELEDATA ROOM 138. PROVIDE 2" FLEXIBLE NON-METALLIC CONDUIT WITH 2" - 4" CELL FABRIC INNERDUCT AND PULL BOXES AS REQUIRED. ROUTING SHOWN IS DIAGRAMMATIC. EXACT ROUTING TO BE COORDINATED IN FIELD. INNER DUCT BASIS OF DESIGN IS MANICELL INW5224.
 - PROVIDE CONDUIT SLEEVES THROUGH FLOOR UP INTO NEW TELEDATA ROOM 138. REFER TO SHEET T-401 FOR ADDITIONAL INFORMATION.
 - COORDINATE EXACT LOCATION OF FIBER OPTIC CABLE TERMINATION IN PHASE 1 ROOM 019 WITH VA IT PERSONNEL PRIOR TO CONSTRUCTION. PROVIDE 20' FIBER OPTIC CABLE SERVICE LOOP IN EACH IT ROOM.
 - (1) 2" SLEEVE THROUGH WALL WITH BUSHINGS ON EACH END. PROVIDE HILTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION. BASIS OF DESIGN IS HILTI SPEED SLEEVE FAMILY OF PRODUCTS.



F1 LEVEL B PLAN - FIBER ROUTING
1/8" = 1'-0"



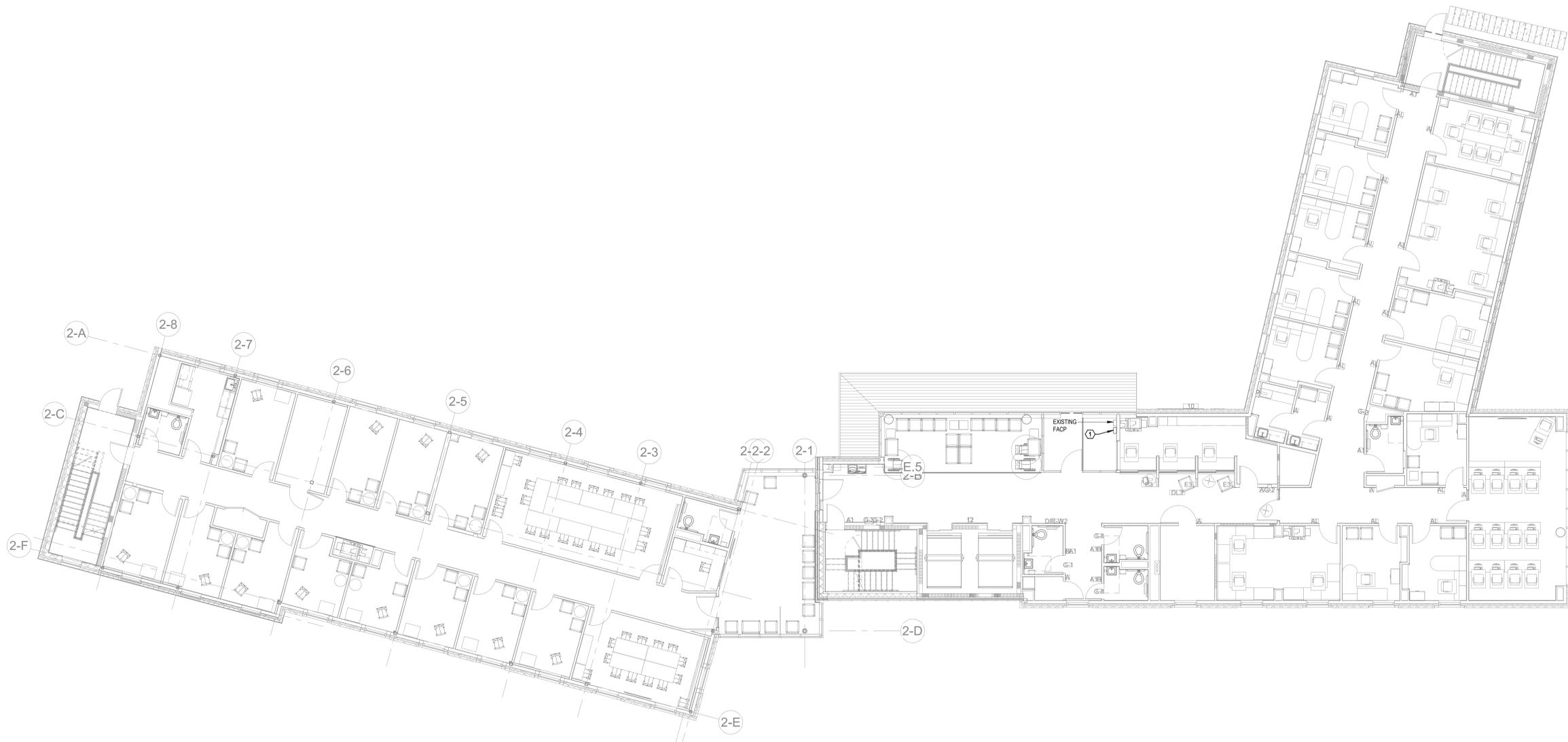
	<p>Revisions:</p> <table border="1"> <thead> <tr> <th>Revision Description</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> </tbody> </table>	Revision Description	Date											<p>ENGINEER</p> <p>above Group ENGINEERING DESIGN CONSULTING</p> <p>www.abovegroupinc.com COA/CA Lic. No. 31120</p> <p>305 East Dr., Suite H, Melbourne, Florida 32904 PH: 321.345.9026</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>WBRC ARCHITECTS • ENGINEERS</p> <p>www.wbrcae.com BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-638-4511 SARASOTA, FLORIDA 941-556-0757</p>	<p>STAMP</p> <p>Christopher H. Van Meter RCDD Reg. No. 285002</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>LEVEL B PLAN - FIBER ROUTING</p> <p>Approved:</p>	<p>Phase</p> <p>CONSTRUCTION DOCUMENTS</p> <p>FULLY SPRINKLERED</p>	<p>Project Title</p> <p>PROVIDENCE VAMC MENTAL HEALTH PHASE 2</p> <p>Location</p> <p>PROVIDENCE, RI</p> <p>Issue Date</p> <p>FEB 04 2022</p> <p>Checked</p> <p>JFR</p> <p>Drawn</p> <p>CVM</p>	<p>Project Number</p> <p>650-347</p> <p>Building Number</p> <p>39</p> <p>Drawing Number</p> <p>T-101</p>
	Revision Description	Date																			
<p>VA FORM 08 - 6231</p>	1	2	3	4	5	6	7	8	9	10											

DRAWING NOTES:

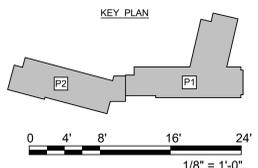
1. EXISTING EQUIPMENT LOCATION IS APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.

CODED NOTES:

Ⓢ BOA ANNUNCIATOR. LOCATE ADJACENT TO EXISTING FIRE ALARM CONTROL PANEL. COORDINATE EXACT LOCATION IN FIELD PRIOR TO CONSTRUCTION. REFER TO SHEET T-011 FOR ADDITIONAL INFORMATION.



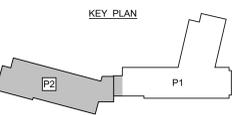
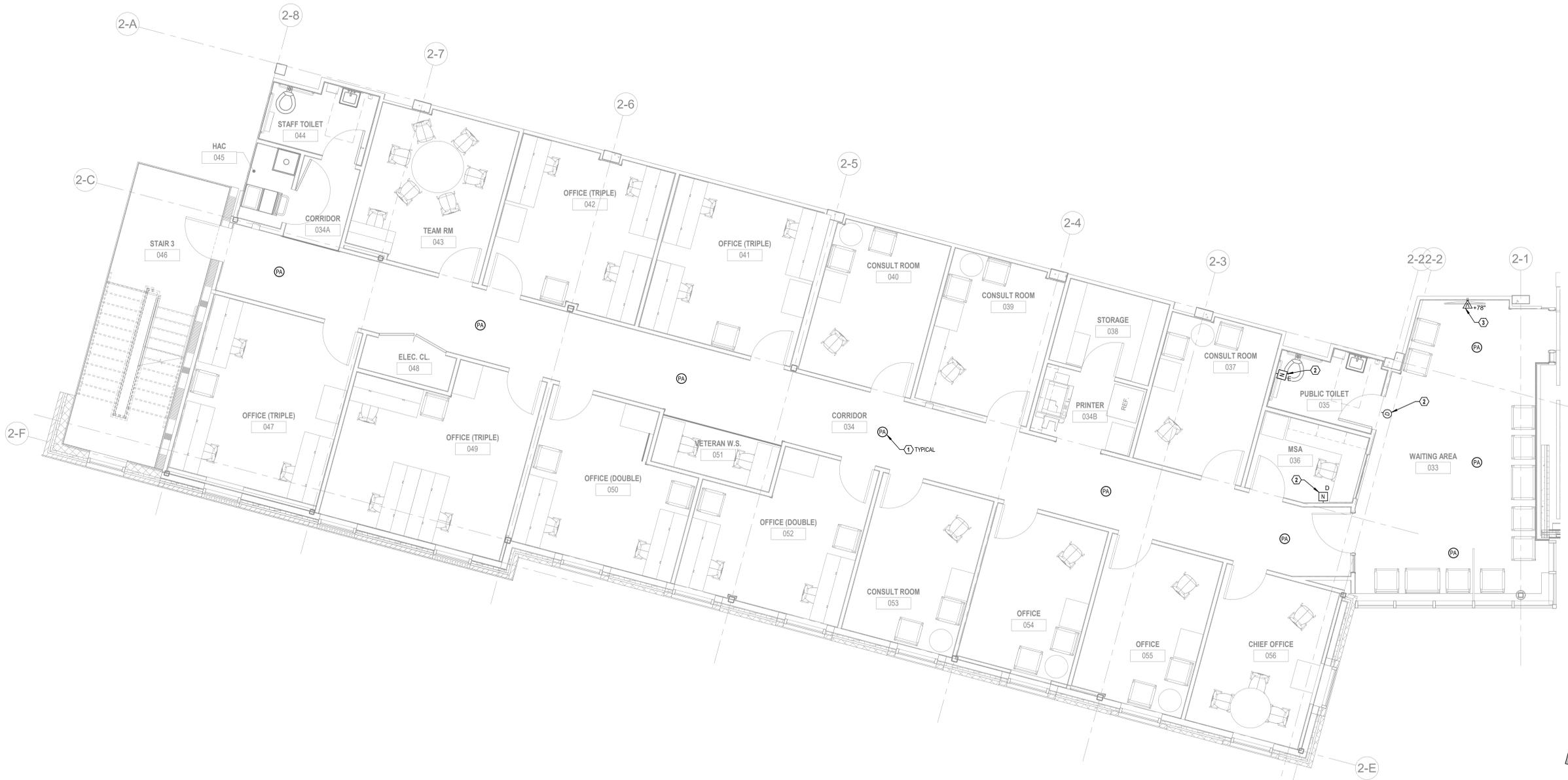
F1 LEVEL 1 PLAN - OVERALL
1/8" = 1'-0"



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		Revisions:	Revision Description	Date:							

- DRAWING NOTES:**
- COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO CONSTRUCTION.
- CODED NOTES:**
- CEILING MOUNTED PUBLIC ADDRESS SPEAKER. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
 - COORDINATE EXACT LOCATION OF ALL NURSE CALL EQUIPMENT WITH ARCHITECTURAL AND INTERIORS PLANS PRIOR TO CONSTRUCTION. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
 - COORDINATE LOCATION OF OUTLET BOX WITH TV MOUNT, DATA OUTLETS AND POWER RECEPTACLE. ALL CONNECTIONS TO BE CONTAINED WITHIN RECESSED VIDEO OUTLET BOX. REFER TO ELECTRICAL DRAWINGS FOR MODEL NUMBER AND ADDITIONAL INFORMATION. PROVIDE R66 COAXIAL CABLE FROM VIDEO OUTLET BOX TO COAXIAL TERMINATION POINT IN PHASE 1 IT ROOM 019. COORDINATE EXACT TERMINATION POINT IN PHASE 1 WITH VA IT PRIOR TO CONSTRUCTION.



F1 LEVEL B PLAN - AV/PA/NURSE CALL
1/4" = 1'-0"

Revisions:	Revision Description	Date:

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LEVEL B PLAN - AV/PA/NURSE CALL

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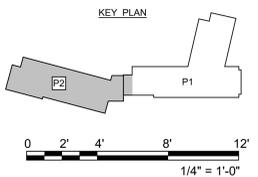
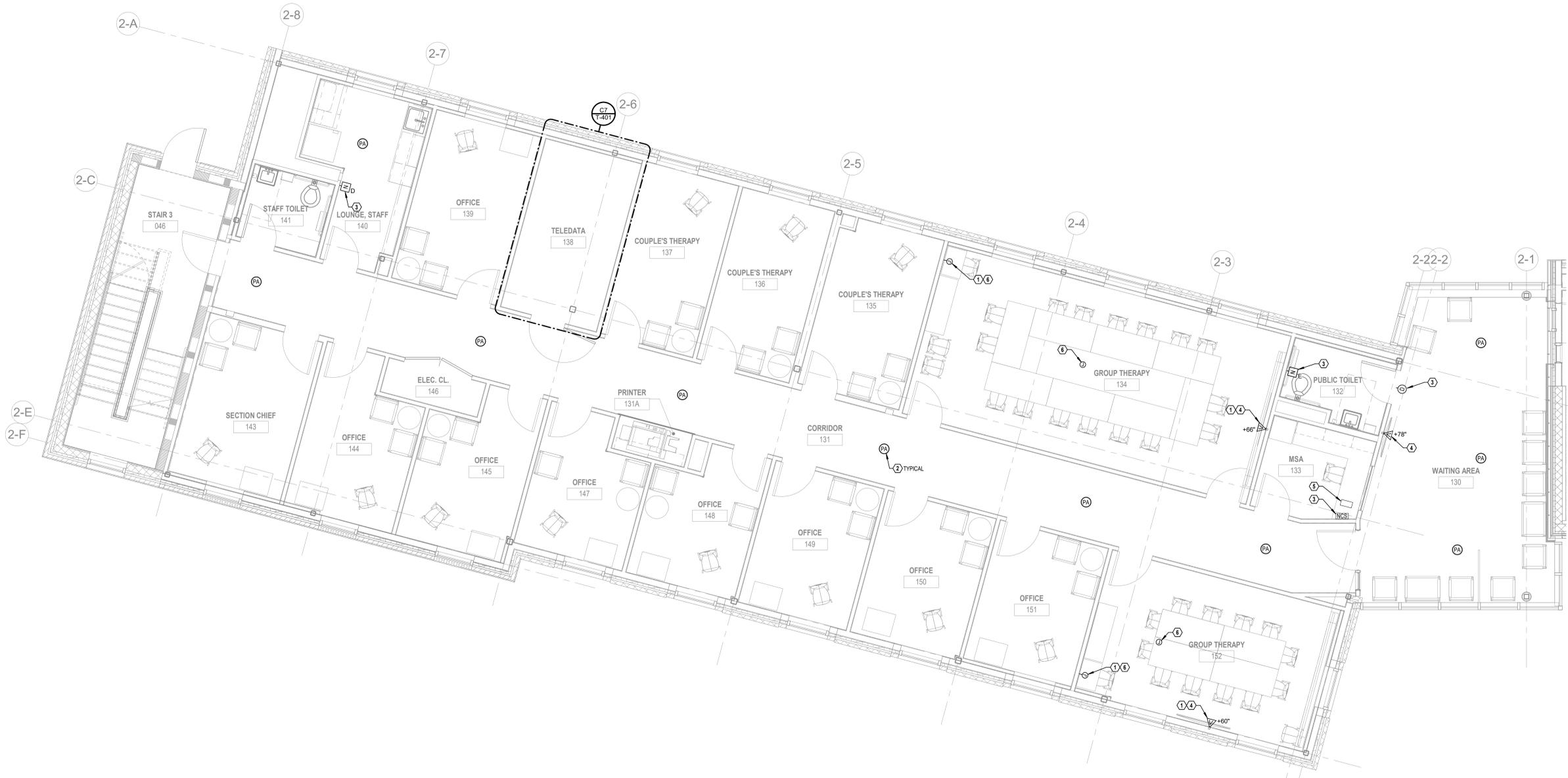
Drawn
CVM

Project Number
650-347

Building Number
39

Drawing Number
TA101

- DRAWING NOTES:**
- COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO CONSTRUCTION.
- CODED NOTES:**
- PROVIDE 1-1/2" CONDUIT WITH PULL STRING FROM VIDEO OUTLET BOX TO RECESSED JUNCTION BOX FOR VIDEO CONNECTION TO LOCAL EQUIPMENT. COORDINATE LOCATION OF OUTLET BOX WITH TV MOUNT, DATA OUTLETS AND POWER RECEPTACLE. ALL CONNECTIONS TO BE CONTAINED WITHIN RECESSED VIDEO OUTLET BOX.
 - CEILING MOUNTED PUBLIC ADDRESS SPEAKER. REFER TO SHEET T-401 FOR ADDITIONAL INFORMATION.
 - COORDINATE EXACT LOCATION OF ALL NURSE CALL EQUIPMENT WITH ARCHITECTURAL AND INTERIORS PLANS PRIOR TO CONSTRUCTION. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
 - COORDINATE LOCATION OF OUTLET BOX WITH TV MOUNT, DATA OUTLETS AND POWER RECEPTACLE. ALL CONNECTIONS TO BE CONTAINED WITHIN RECESSED VIDEO OUTLET BOX. REFER TO ELECTRICAL DRAWINGS FOR MODEL NUMBER AND ADDITIONAL INFORMATION. PROVIDE RGE COAXIAL CABLE FROM VIDEO OUTLET BOX TO COAXIAL TERMINATION POINT IN PHASE 1 IT ROOM 019. COORDINATE EXACT TERMINATION POINT IN PHASE 1 WITH IA-IT PRIOR TO CONSTRUCTION.
 - PUBLIC ADDRESS HANDSET. COORDINATE EXACT LOCATION WITH MILLWORK AND VA PRIOR TO CONSTRUCTION. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
 - PROVIDE 1-1/2" CONDUIT WITH PULL STRING FROM CEILING MOUNTED PROJECTOR OUTLET BOX TO RECESSED JUNCTION BOX FOR VIDEO CONNECTION TO LOCAL EQUIPMENT. COORDINATE LOCATION OF OUTLET BOX WITH PROJECTOR MOUNT, DATA OUTLETS AND POWER RECEPTACLE.



F1 LEVEL 1 PLAN - AV/PA/NURSE CALL
1/4" = 1'-0"

Revisions:	Revision Description	Date:

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Christopher H. Van Meter
RCDD Reg. No. 285002

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
LEVEL 1 PLAN - AV/PA/NURSE CALL

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

Location
PROVIDENCE, RI

Issue Date
FEB 04 2022

Checked
JFR

Drawn
CVM

Project Number
650-347

Building Number
39

Drawing Number
TA102

- DRAWING NOTES:**
- COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO CONSTRUCTION.
- CODED NOTES:**
- CEILING MOUNTED PUBLIC ADDRESS SPEAKER. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
 - COORDINATE EXACT LOCATION OF ALL NURSE CALL EQUIPMENT WITH ARCHITECTURAL AND INTERIORS PLANS PRIOR TO CONSTRUCTION. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
 - COORDINATE LOCATION OF OUTLET BOX WITH TV MOUNT, DATA OUTLETS AND POWER RECEPTACLE. ALL CONNECTIONS TO BE CONTAINED WITHIN RECESSED VIDEO OUTLET BOX. REFER TO ELECTRICAL DRAWINGS FOR MODEL NUMBER AND ADDITIONAL INFORMATION. PROVIDE R66 COAXIAL CABLE FROM VIDEO OUTLET BOX TO COAXIAL TERMINATION POINT IN PHASE 1 IT ROOM 019. COORDINATE EXACT TERMINATION POINT IN PHASE 1 WITH VA IT PRIOR TO CONSTRUCTION.



F1 LEVEL 2 PLAN - AV/PA/NURSE CALL
1/4" = 1'-0"



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Drawing Title
LEVEL 2 PLAN - AV/PA/NURSE CALL

Approved: _____

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

Location
PROVIDENCE, RI

Issue Date
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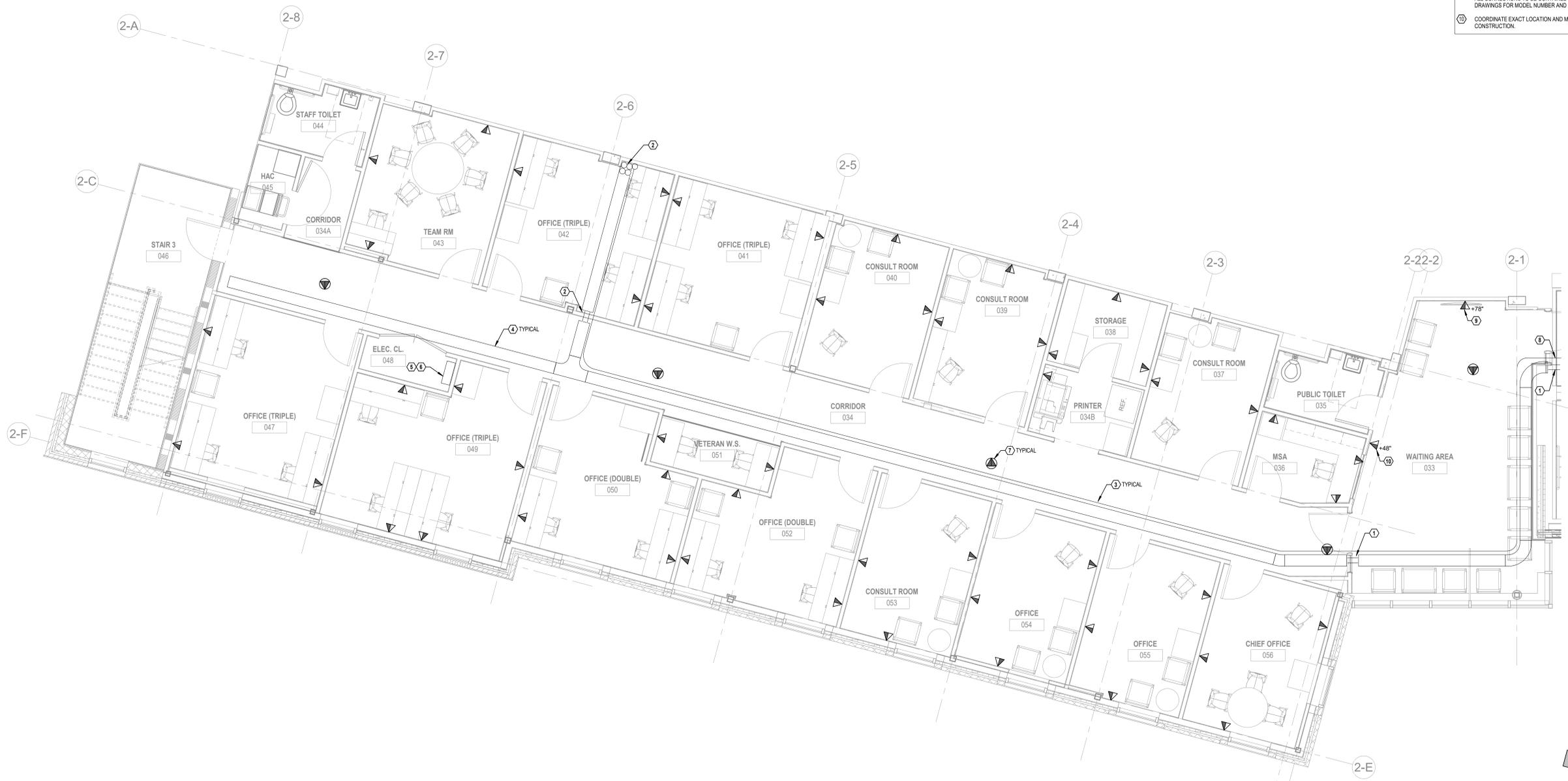
Drawn
CVM

Project Number
650-347

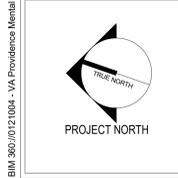
Building Number
39

Drawing Number
TA103

- DRAWING NOTES:**
- COORDINATE EXACT LOCATION OF ALL OUTLETS AT MONITORS WITH ARCHITECTURAL PLANS AND ALL OTHER MONITOR CONNECTIONS IN FIELD PRIOR TO CONSTRUCTION.
 - PROVIDE 10' SERVICE LOOP ABOVE CEILING AT ALL CAT6A TERMINATION LOCATIONS FOR EACH CAT6A CABLE.
- CODED NOTES:**
- (2) 4" SLEEVES THROUGH WALL WITH BUSHINGS ON EACH END. PROVIDE HILTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION. BASIS OF DESIGN IS HILTI SPEED SLEEVE FAMILY OF PRODUCTS.
 - (4) 4" SLEEVES WITH BUSHINGS ON EACH END. PROVIDE HILTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION.
 - CONDUIT FOR FIBER OPTIC CABLE ROUTED ADJACENT TO CABLE TRAY. REFER TO SHEETS T-101 AND T-81 FOR ADDITIONAL INFORMATION. PROVIDE HILTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION. BASIS OF DESIGN IS HILTI SPEED SLEEVE FAMILY OF PRODUCTS.
 - 12" X 4" BASKET STYLE CABLE TRAY INSTALLED AT MINIMUM OF 4" ABOVE ACCESSIBLE CEILING TO BOTTOM OF TRAY. MAINTAIN 12" CLEAR ABOVE CABLE TRAY FOR ANY ELEMENTS THAT RUN PARALLEL TO THE CABLE TRAY AND MINIMUM OF 4" CLEAR FOR ANY ELEMENTS THAT CROSS PERPENDICULAR TO CABLE TRAY. COORDINATE ROUTING OF CABLE TRAY WITH ALL OTHER UTILITIES.
 - PUBLIC SAFETY RADIO BI-DIRECTIONAL ANTENNA MASTER BDA AMPLIFIER. REFER TO IN-BUILDING PUBLIC SAFETY RADIO ENHANCEMENT SYSTEM ON SHEET T-601 FOR ADDITIONAL INFORMATION.
 - BATTERY CABINET MOUNTED BELOW BDA AMPLIFIER. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
 - COORDINATE EXACT LOCATION OF DAS ANTENNA WITH SYSTEM SUBMITTAL DOCUMENTS PRIOR TO CONSTRUCTION. REFER TO IN-BUILDING PUBLIC SAFETY RADIO ENHANCEMENT SYSTEM DIAGRAM ON SHEET T-601 FOR ADDITIONAL INFORMATION.
 - SLEEVE THROUGH WALL. REFER TO SHEET T-101 FOR ADDITIONAL INFORMATION.
 - COORDINATE LOCATION OF OUTLET BOX WITH TV MOUNT. DATA OUTLETS AND POWER RECEPTACLE. ALL CONNECTIONS TO BE CONTAINED WITHIN RECESSED VIDEO OUTLET BOX. REFER TO ELECTRICAL DRAWINGS FOR MODEL NUMBER AND ADDITIONAL INFORMATION.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF TELEPHONE OUTLET WITH VA PRIOR TO CONSTRUCTION.



F1 LEVEL B PLAN - DATA/BDA
1/4" = 1'-0"



Revisions:	Revision Description	Date:

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Drawing Title
LEVEL B PLAN - DATA/BDA

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

Location
PROVIDENCE, RI

Issue Date
FEB 04 2022

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JFR

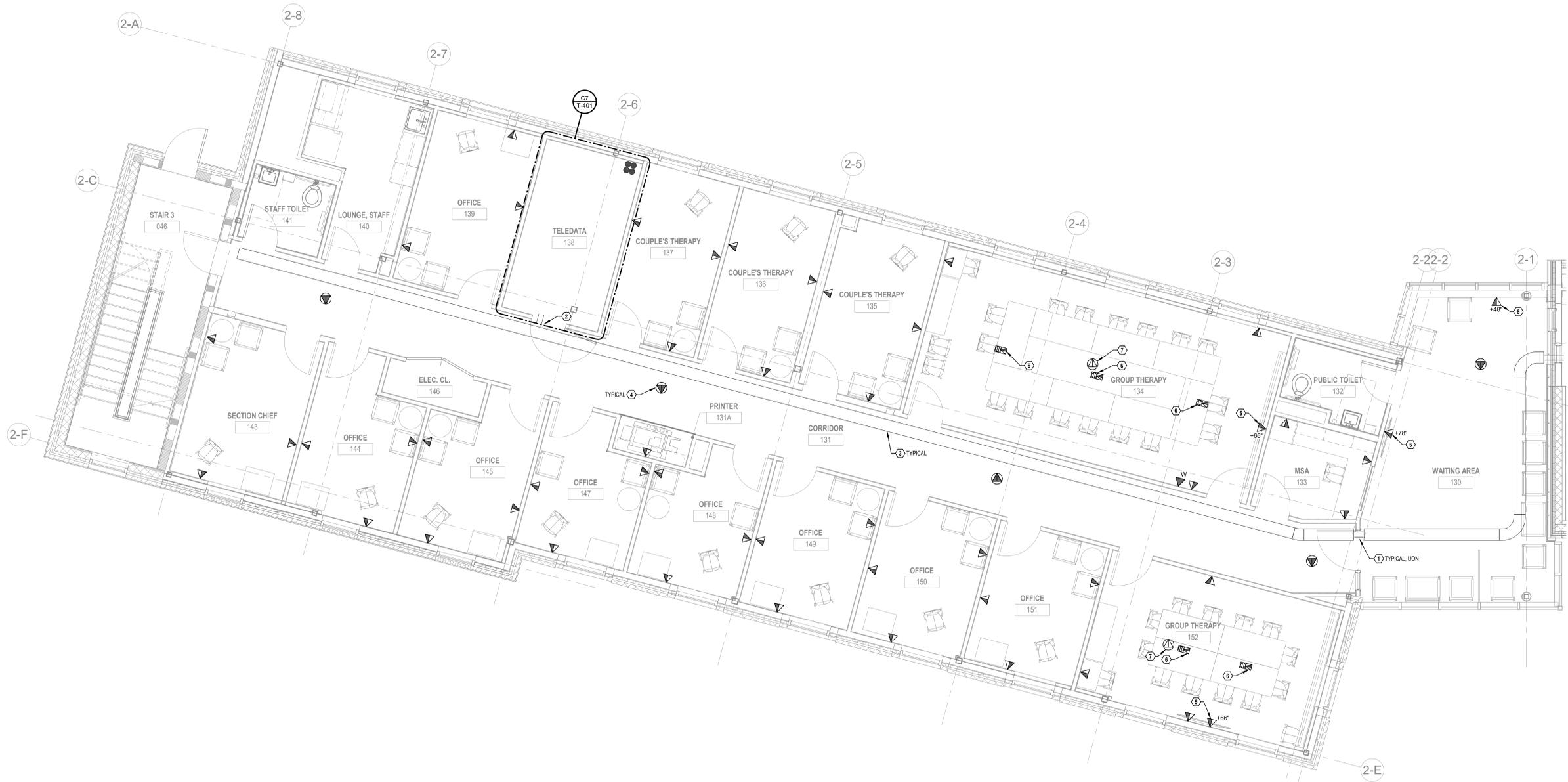
Drawn
CVM

Project Number
650-347

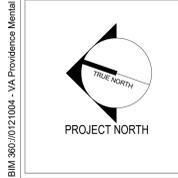
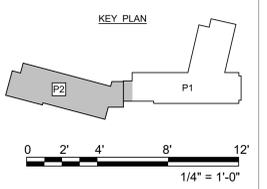
Building Number
39

Drawing Number
TN101

- DRAWING NOTES:**
- COORDINATE EXACT LOCATION OF ALL OUTLETS AT MONITORS WITH ARCHITECTURAL PLANS AND ALL OTHER MONITOR CONNECTIONS IN FIELD PRIOR TO CONSTRUCTION.
 - PROVIDE 10' SERVICE LOOP ABOVE CEILING AT ALL CAT6A TERMINATION LOCATIONS FOR EACH CAT6A CABLE.
- CODED NOTES:**
- (2) 4" SLEEVES THROUGH WALL WITH BUSHINGS ON EACH END. PROVIDE HILTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION. BASIS OF DESIGN IS HILTI SPEED SLEEVE FAMILY OF PRODUCTS.
 - (4) 4" SLEEVES THROUGH WALL WITH BUSHINGS ON EACH END. PROVIDE HILTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION. BASIS OF DESIGN IS HILTI SPEED SLEEVE FAMILY OF PRODUCTS.
 - 12" X 4" BASKET STYLE CABLE TRAY INSTALLED AT MINIMUM OF 4" ABOVE ACCESSIBLE CEILING TO BOTTOM OF TRAY. MAINTAIN 12" CLEAR ABOVE CABLE TRAY FOR ANY ELEMENTS THAT RUN PARALLEL TO THE CABLE TRAY AND MINIMUM OF 4" CLEAR FOR ANY ELEMENTS THAT CROSS PERPENDICULAR TO CABLE TRAY. COORDINATE ROUTING OF CABLE TRAY WITH ALL OTHER UTILITIES.
 - COORDINATE EXACT LOCATION OF DAS ANTENNA WITH SYSTEM SUBMITTAL DOCUMENTS PRIOR TO CONSTRUCTION. REFER TO IN-BUILDING PUBLIC SAFETY RADIO ENHANCEMENT SYSTEM DIAGRAM ON SHEET T-601 FOR ADDITIONAL INFORMATION.
 - COORDINATE LOCATION OF OUTLET BOX WITH TV MOUNT, DATA OUTLETS AND POWER RECEPTACLE. ALL CONNECTIONS TO BE CONTAINED WITHIN RECESSED VIDEO OUTLET BOX. REFER TO ELECTRICAL DRAWINGS FOR MODEL NUMBER AND ADDITIONAL INFORMATION.
 - CONDUIT ROUTED IN ABOVE CEILING SPACE OF LEVEL BELOW. ROUTE CONDUIT TO NEAREST WALL AND UP TO ABOVE CEILING SPACE OF LEVEL 1.
 - COORDINATE EXACT LOCATION OF CEILING MOUNTED OUTLET WITH PROJECTOR POWER LOCATION PRIOR TO CONSTRUCTION.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF TELEPHONE OUTLET WITH VA PRIOR TO CONSTRUCTION.



F1 LEVEL 1 PLAN - DATA/BDA
1/4" = 1'-0"



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VA U.S. Department of Veterans Affairs

Drawing Title
LEVEL 1 PLAN - DATA/BDA

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

Location
PROVIDENCE, RI

Issue Date
FEB 04 2022

Checked
JFR

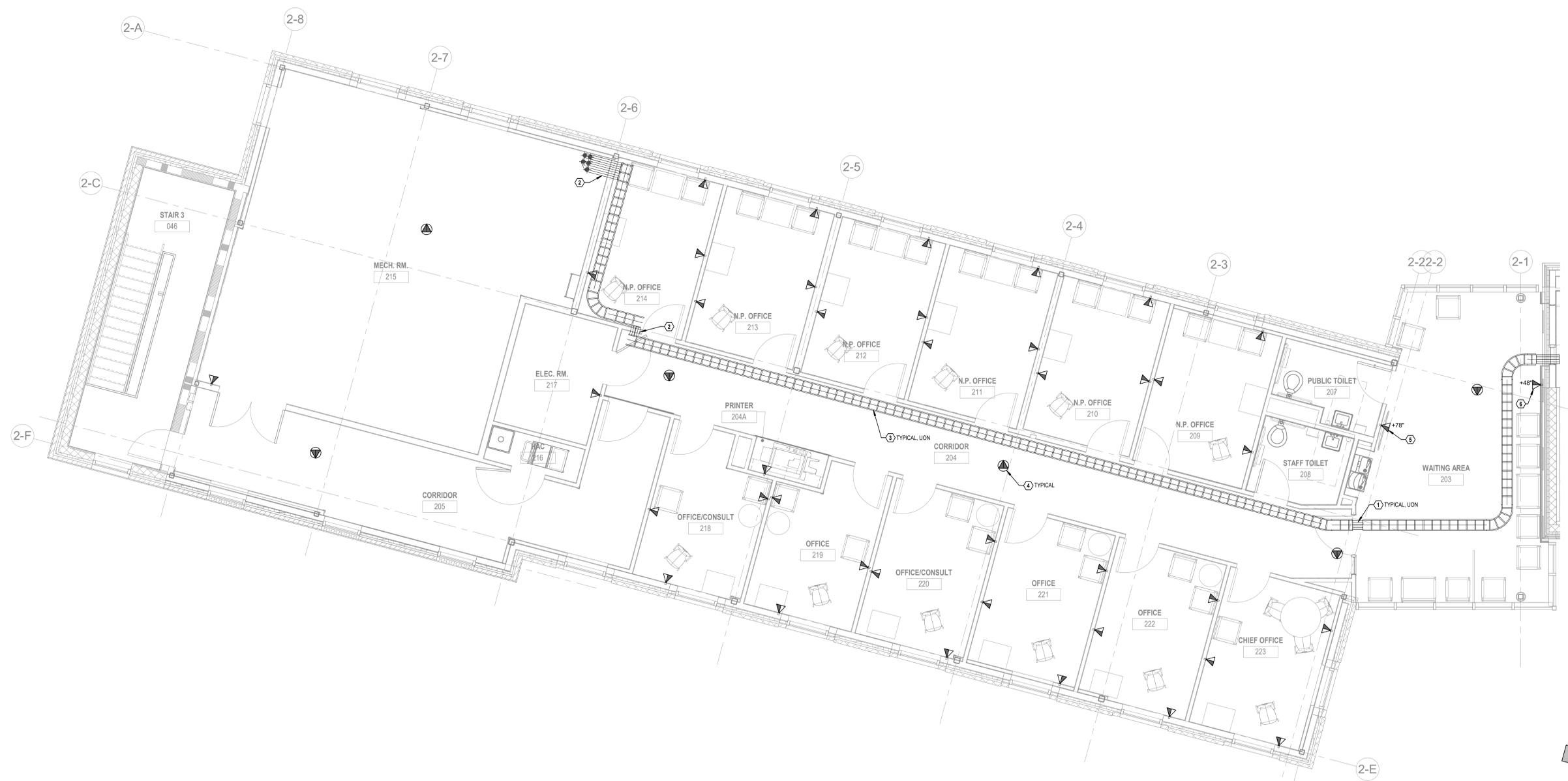
Drawn
CVM

Project Number
650-347

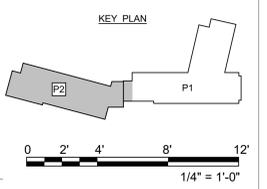
Building Number
39

Drawing Number
TN102

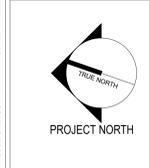
- DRAWING NOTES:**
- COORDINATE EXACT LOCATION OF ALL OUTLETS AT MONITORS WITH ARCHITECTURAL PLANS AND ALL OTHER MONITOR CONNECTIONS IN FIELD PRIOR TO CONSTRUCTION.
 - COORDINATE LOCATION OF OUTLET BOX WITH TV MOUNT, DATA OUTLETS AND POWER RECEPTACLE. ALL CONNECTIONS TO BE CONTAINED WITHIN RECESSED VIDEO OUTLET BOX.
- CODED NOTES:**
- (2) 4" SLEEVES THROUGH WALL WITH BUSHINGS ON EACH END. PROVIDE HILTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION. BASIS OF DESIGN IS HILTI SPEED SLEEVE FAMILY OF PRODUCTS.
 - (4) 4" SLEEVES THROUGH WALL WITH BUSHINGS ON EACH END. PROVIDE HILTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION. BASIS OF DESIGN IS HILTI SPEED SLEEVE FAMILY OF PRODUCTS.
 - 12" X 4" BASKET STYLE CABLE TRAY INSTALLED AT MINIMUM OF 4" ABOVE ACCESSIBLE CEILING TO BOTTOM OF TRAY. MAINTAIN 12" CLEAR ABOVE CABLE TRAY FOR ANY ELEMENTS THAT RUN PARALLEL TO THE CABLE TRAY AND MINIMUM OF 4" CLEAR FOR ANY ELEMENTS THAT CROSS PERPENDICULAR TO CABLE TRAY. COORDINATE ROUTING OF CABLE TRAY WITH ALL OTHER UTILITIES.
 - COORDINATE EXACT LOCATION OF DAS ANTENNA WITH SYSTEM SUBMITTAL DOCUMENTS PRIOR TO CONSTRUCTION. REFER TO IN-BUILDING PUBLIC SAFETY RADIO ENHANCEMENT SYSTEM DIAGRAM ON SHEET T-601 FOR ADDITIONAL INFORMATION.
 - COORDINATE LOCATION OF OUTLET BOX WITH TV MOUNT, DATA OUTLETS AND POWER RECEPTACLE. ALL CONNECTIONS TO BE CONTAINED WITHIN RECESSED VIDEO OUTLET BOX. REFER TO ELECTRICAL DRAWINGS FOR MODEL NUMBER AND ADDITIONAL INFORMATION.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF TELEPHONE OUTLET WITH VA PRIOR TO CONSTRUCTION.



F1 LEVEL 2 PLAN - DATA/BDA
1/4" = 1'-0"



1/16/2022 1:30:39 PM
 BIM 360://0121/04 - VA Providence Mental Health Building PH120121/04 - VA Providence MHC Ph2 120_Dwg_26_27_ & 28.rvt
 VA FORM 08 - 6231



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Drawing Title
LEVEL 2 PLAN - DATA/BDA

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

Location
PROVIDENCE, RI

Issue Date
FEB 04 2022

Checked
JFR

Drawn
CVM

Project Number
650-347

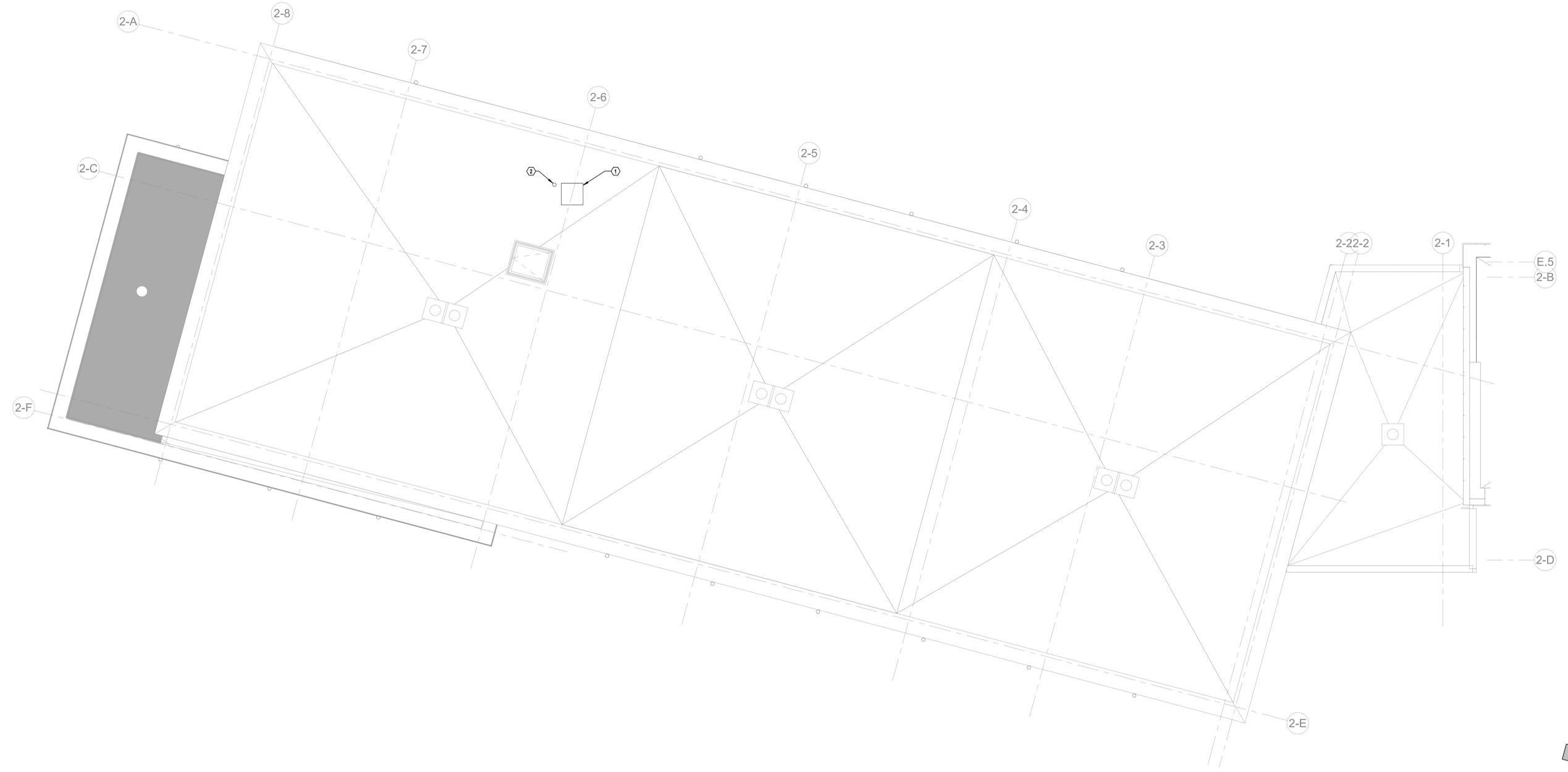
Building Number
39

Drawing Number
TN103

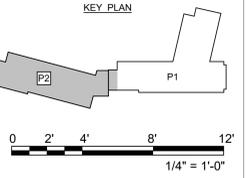
CODED NOTES:

① PUBLIC SAFETY RADIO DONOR ANTENNA. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND ORIENTATION WITH OWNER AND EQUIPMENT SUBMITTAL DRAWINGS PRIOR TO CONSTRUCTION. INSTALL IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. PROVIDE ALL REQUIRED MOUNTING HARDWARE.

② COORDINATE EXACT LOCATION OF ROOF PENETRATIONS WITH ARCHITECTURAL/STRUCTURAL DRAWINGS AND DETAILS. ROUTE CABLE DOWN TO BASEMENT LEVEL PUBLIC SAFETY RADIO BI-DIRECTIONAL ANTENNA MASTER BDA AMPLIFIER. REFER TO SHEETS TN101 AND T-601 FOR ADDITIONAL INFORMATION.



F1 ROOF LEVEL PLAN - DATA/BDA
1/4" = 1'-0"



BIM 360://121004 - VA Providence Mental Health Building PH10121004 - VA Providence MHC Ph2 P12_Div 26_27_ & 28.rvt
 1/11/2025 1:30:43 PM
 VA FORM 08 - 6231

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VA U.S. Department of Veterans Affairs

Drawing Title
ROOF LEVEL PLAN - DATA/BDA

Approved: _____

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

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PROVIDENCE, RI

Issue Date
FEB 04 2022

Checked
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Drawn
CVM

Project Number
650-347

Building Number
39

Drawing Number
TN104

A

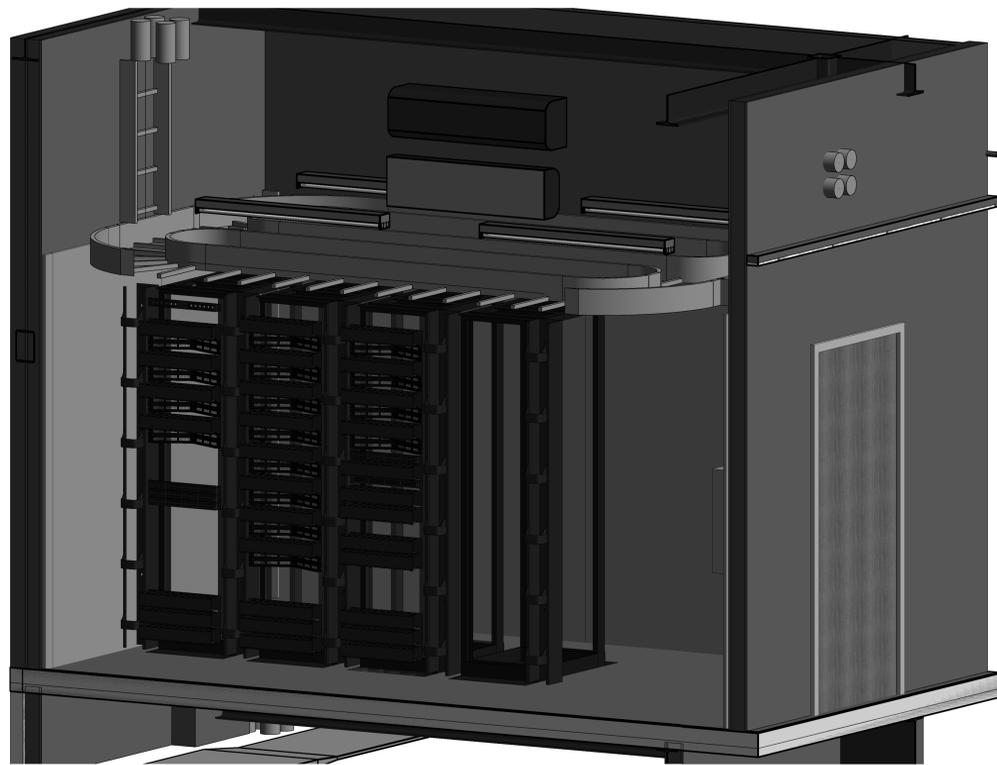
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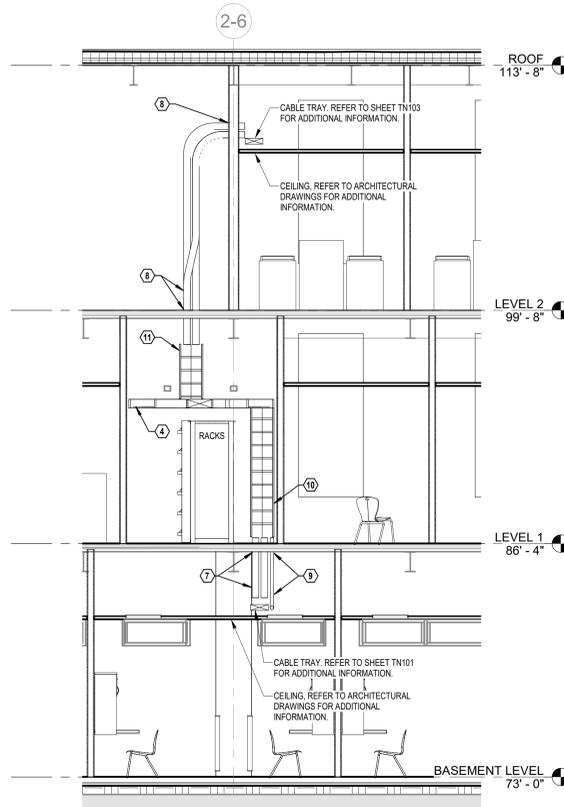
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E

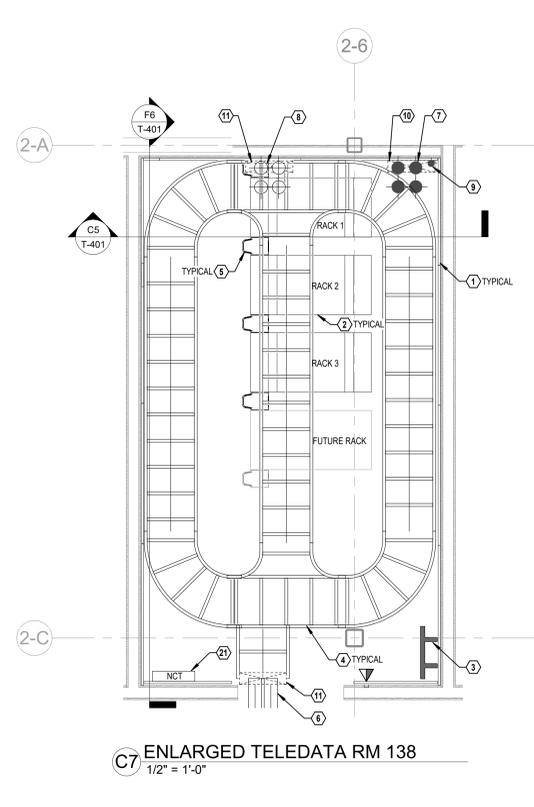
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C1 TELE DATA RM T-138 3D
N.T.S.



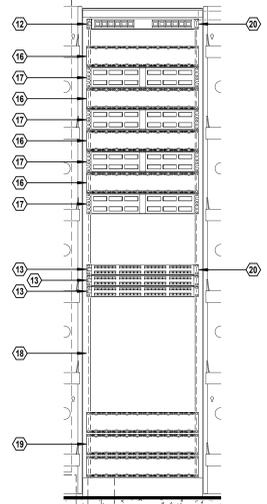
C5 CONDUIT ROUTING SECTION
1/4" = 1'-0"



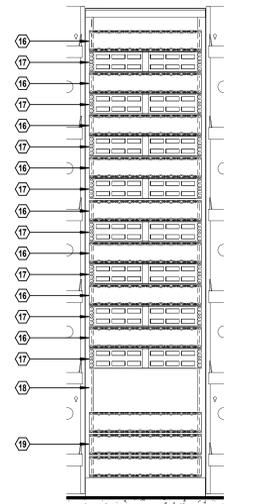
C7 ENLARGED TELEDATA RM 138
1/2" = 1'-0"

- DRAWING NOTES:**
- LABELLING STANDARDS SHALL BE FOLLOWED FOR TR, NUMBER, RACK NUMBER, PATCH PANEL (A-Z), AND PORT NUMBER. EXAMPLE: TR1-1A-01.
 - WIAPS SHALL BE TERMINATED ON DATA TYPE PATCH PANELS, BUT TERMINATED ON THEIR OWN PANELS SEPARATE FROM DATA, VOIP, AND ACCESS CONTROL TERMINATIONS. DATA, VOIP AND ACCESS CONTROL SHALL BE TERMINATED ON DATA TYPE PATCH PANELS SEPARATE FROM WIAPS. WIAP CABLES AND ASSOCIATED EQUIPMENT PROVIDED AND INSTALLED BY OTHERS.
 - 8PFC CONNECTION PORTS IN TCO WALL PLATES SHALL BE COLOR CODED BASED ON TYPE. REFER TO SHEET T-001 FOR CABLE COLOR CHART. TCO WALL PLATE PORT AND CABLE COLOR SHALL MATCH ASSOCIATED PATCH PANEL COLOR.
 - LABEL ALL CABLES AND PORTS ON BOTH ENDS WITH COMPUTER GENERATED, SELF-LAMINATING, ADHESIVE, WRAPAROUND LABELS WITH THE TCO PORT LEVEL (B, 01, 02) ROOM NUMBER (101, 102, ...) AND PORT SEQUENCE NUMBER (001, 002, ...).
- CODED NOTES:**
- PROVIDE TIA APPROVED, FIRE RATED, AC GRADE PLYWOOD BACKBOARD 4x8x1/2", OR APPROVED FIRE PLYWOOD, PAINT ON ALL SIDES AND WITHIN CUTOUT AREAS WITH AT LEAST (2) COATS OF FIRE RETARDANT, LIGHT COLORED PAINT. LOCATE BACKBOARD 12" AFF, INSTALL SO 'A' SIDE OF PLYWOOD IS EXPOSED.
 - PROVIDE 18" X 30" 4SRU 4-POST EQUIPMENT RACK, COLOR - WHITE, MINIMUM OF 30" DEPTH. BASIS OF DESIGN IS CHATSWORTH ADJUSTABLE QUADRARACK 1521 SERIES.
 - GROUND BUSBAR ALL VERTICAL AND HORIZONTAL RACKS AND CABLE TRAYS SHALL BE BONDED TO BUSBAR. REFER TO GROUND BUS BAR DETAIL ON SHEET T-501 FOR MORE INFORMATION.
 - PROVIDE 18"W X 6"H LADDER TYPE CABLE TRAY. MOUNT CABLE TRAY AT 8" AFF TO BOTTOM OF TRAY.
 - 6" VERTICAL WIRE MANAGERS, (TYPICAL)
 - (4) 4" SLEEVES THROUGH WALL WITH BUSHINGS ON BOTH SIDES.
 - (4) 4" CONDUITS THROUGH FLOOR TO LEVEL BELOW WITH BUSHINGS ON ALL ENDS. PROVIDE HLTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION.
 - (4) 4" CONDUITS UP TO CABLE TRAY AT LEVEL ABOVE WITH BUSHINGS ON ALL ENDS. PROVIDE HLTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION. BASIS OF DESIGN IS HLTI SPEED SLEEVE FAMILY OF PRODUCTS.
 - 2" CONDUIT FROM FLOOR BELOW FOR FIBER BACKBONE CONNECTION. REFER TO SHEETS T-101, T-401 AND T-601 FOR ADDITIONAL INFORMATION. PROVIDE HLTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION.
 - PROVIDE 18"W X 4"H LADDER TYPE CABLE TRAY. ROUTED VERTICALLY UP WALL. BEGINNING AT 4" AFF, ENDING AT 8" AFF. COORDINATE EXACT LOCATION OF CABLE TRAY WITH 4" CONDUITS UP FROM LEVEL BELOW.
 - PROVIDE 18"W X 4"H LADDER TYPE CABLE TRAY. ROUTED VERTICALLY UP WALL. COORDINATE EXACT LOCATION AND HEIGHTS WITH HORIZONTAL CABLE TRAY AND (4) 4" CONDUITS THROUGH WALL.
 - 1U FIBER OPTIC SHELF WITH (2) 12 FIBER SC CONNECTOR CASSETTES FOR TERMINATION OF INCOMING OM4 FIBER OPTIC CABLES FROM BUILDING 38 ROOM 019. AND (1) 8 FIBER SC CONNECTOR CASSETTES FOR TERMINATION OF OS2 CCTV CABLES FROM BUILDING 38 ROOM 019. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
 - 1U, (48) PORT POE+ (DATA) SWITCH FOR DATA/VOIP NETWORK. SWITCH PROVIDED AND INSTALLED BY VA. BASIS OF DESIGN IS CISCO 9300.
 - PUBLIC ADDRESS SYSTEM EQUIPMENT. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
 - WIRELESS NETWORK EQUIPMENT. PROVIDED AND INSTALLED BY OTHERS.
 - 2U HORIZONTAL CABLE MANAGEMENT.
 - 2U, (48) PORT, ANGLED PATCH PANEL. PATCH PANELS TO BE COLOR CODED TO MATCH TCO PORT COLORS. FOR A TOTAL OF (4) WHITE, (4) BLUE, (4) GREEN AND (4) RED PATCH PANELS. REFER TO SHEETS T-001 AND T-601 FOR ADDITIONAL INFORMATION.
 - PROVIDE (2) RACK MOUNTED VERTICAL PDUS FOR CONNECTION OF RACK MOUNTED EQUIPMENT. PDUS SHALL HAVE A MINIMUM OF (8) C13, (9) C19 OUTLETS AND BE RATED FOR 5KW MINIMUM. PDU BASIS OF DESIGN IS APC APT754 (A-SIDE PDU SHALL BE BLACK IN COLOR ON LEFT SIDE OF RACK, B-SIDE PDU SHALL BE RED IN COLOR ON RIGHT SIDE OF RACK). CONNECT A-SIDE PDU TO ELECTRICAL CONNECTION LOCATED ABOVE RACK AND B-SIDE PDU TO UPS OUTPUT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - (1) 8KW RACK MOUNTED UPS FOR B-SIDE (CRITICAL) PDU POWER. BASIS OF DESIGN IS APC SRT6KRMULT-SKT WITH (1) ADDITIONAL BATTERY PACK SRT192RMBP.
 - (2) PAIR OF OM4 FIBER OPTIC CABLES FROM FIBER PATCH PANEL TO FIRST DATA SWITCH. (1) PAIR OF OS2 FIBER OPTIC CABLES FROM FIBER PATCH PANEL TO DIV. 28 CCTV SWITCH. REFER TO FIBER BACKBONE RISER DIAGRAM ON SHEET T-601 FOR ADDITIONAL INFORMATION.
 - NURSE CALL TERMINAL CABINET.
 - 1U, (24) PORT POE+ (CCTV) SWITCH FOR CCTV NETWORK. PROVIDED BY DIV. 28 CONTRACTOR. BASIS OF DESIGN IS CISCO 3850 WITH (2) PWR-C1-1100MAC POWER SUPPLIES.
 - 2U HORIZONTAL CABLE MANAGEMENT. PROVIDED BY DIV. 28 CONTRACTOR.
 - 1U, (24) PORT, ANGLED PATCH PANEL. PROVIDED BY DIV. 28 CONTRACTOR.
 - RACK MOUNTED CCTV EQUIPMENT 120V, 2700W UPS. PROVIDED BY DIV. 28 CONTRACTOR.

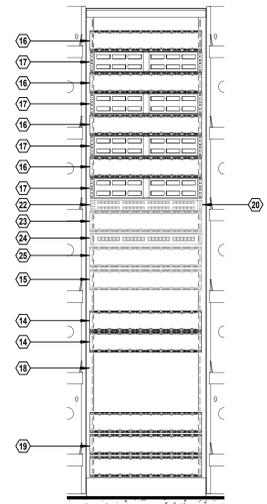
VA DATA/VOIP SWITCH AND PATCH COUNTS	
SWITCH COUNTS:	
POE+ Switches.....	3x48
Total POE+ Switch ports.....	144
Patch Panels:	
Patch Panel Ports.....	16x48
Horiz Cable Management.....	788
TERMINATED PATCH PORT COUNTS:	
Data/VOIP Ports.....	591
Total TCO/Phone ports required.....	591
AVAILABLE SPARE PATCH PORTS:	
TCO/Phone Ports Required.....	591
Total Available Patch Ports.....	788
Available Spare Patch Ports.....	177



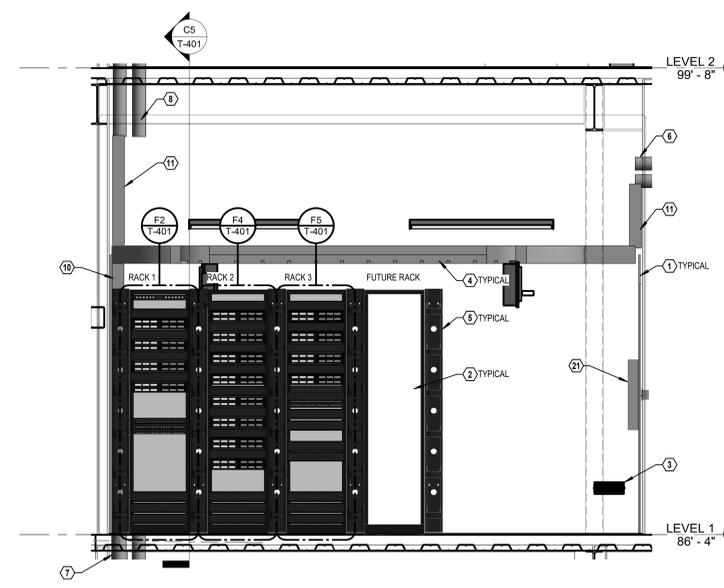
F2 RACK 1 ELEVATION
1" = 1'-0"



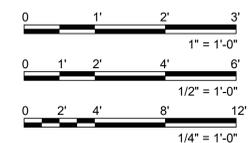
F4 RACK 2 ELEVATION
1" = 1'-0"



F5 RACK 3 ELEVATION
1" = 1'-0"



F6 TELEDATA RM 138 ELEVATION
1/2" = 1'-0"



B:\36010121004 - VA Providence Memorial Health Building PH010121004 - VA Providence MHC Phg 120_Div 28_27_ & 28.rvt
 1/31/2025 1:30:12 PM
 VA FORM 08 - 6231

Revisions:	Revision Description	Date:

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STAMP

Christopher H. Van Meter
RCDD Reg. No. 285002

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
TELECOM ENLARGED PLANS

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

Location
PROVIDENCE, RI

Issue Date
FEB 04 2022

Checked
JFR

Drawn
CVM

Project Number
650-347

Building Number
39

Drawing Number
T-401

GENERAL NOTES:

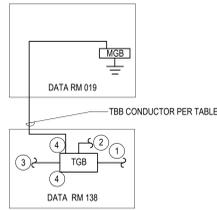
- BONDING CONDUCTOR SHALL BE NO SMALLER THAN #2 CU.
- ALL WORK SHALL COMPLY WITH NEC ARTICLE 250, UL 467, ANSITTA TIA-607-C, NECA/IBCS 607-2011.
- PREPARE BUSBAR SURFACE AS DESCRIBED BELOW:
 - USE AN ABRASIVE PAD, REMOVE ANY DIRT, GREASE, OIL OR OXIDATION THAT IS PRESENT AT THE SURFACE.
 - APPLY THIN COAT OF AN ANTI-OXIDANT TO THE CONNECTION POINT ON THE BUSBAR.
 - USE STAINLESS STEEL OR SILICON BRONZE HARDWARE, TIGHTEN AND TORQUE TO THE REQUIREMENTS OF THE HARDWARE MATERIAL, SIZE AND GRADE.
- CONDUCTORS SHALL BE COPPER.
- LUGS SHALL BE 2-HOLE TYPE WITH INSPECTION WINDOW, LONG BARREL, IRREVERSIBLE (COMPRESSION OR EXOTHERMIC WELDING) AND MECHANICAL.
- REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL GROUNDING INFORMATION.

TMGB: TELECOMMUNICATIONS MAIN GROUND BUSBAR
 TGB: TELECOMMUNICATIONS GROUND BUSBAR
 MSB: MAIN SWITCH BOARD
 TBB: TELECOMMUNICATIONS BONDING BACKBONE

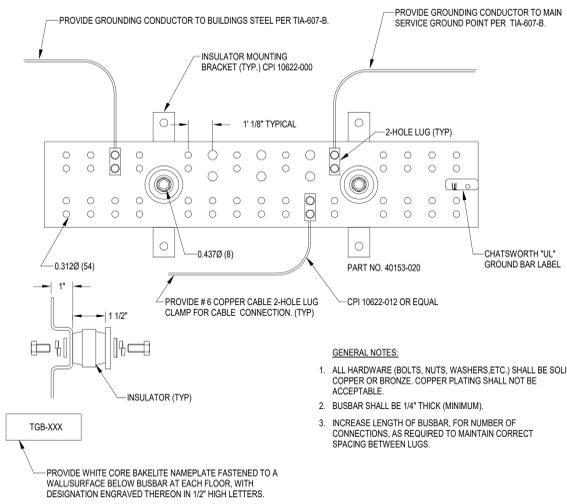
NOTES:

- #30 TO PRIMARY PROTECTOR.
- #30 TO ELECTRICAL PANEL.
- #30 TO EQUIPMENT RACKS/CABLE TRAY.
- TWO-HOLE LUG, IRREVERSIBLE.

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

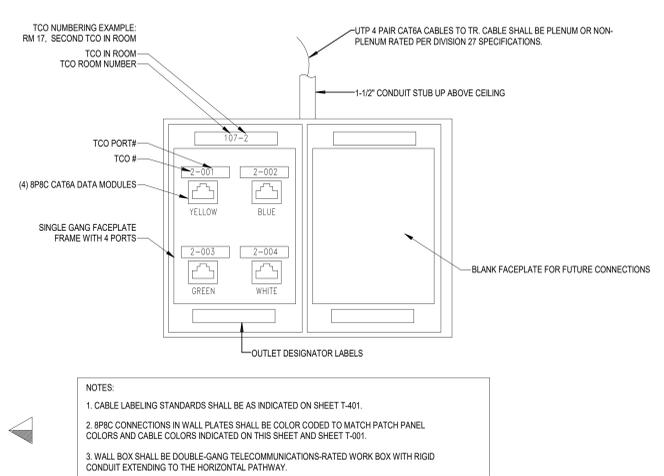


B1 TELECOM GROUNDING RISER DIAGRAM
N.T.S.



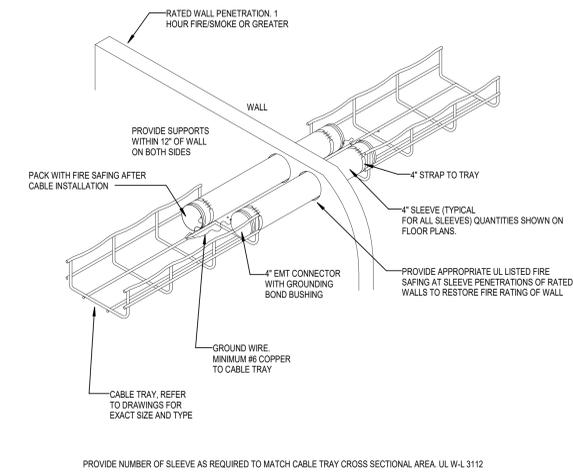
- GENERAL NOTES:
- ALL HARDWARE (BOLTS, NUTS, WASHERS ETC.) SHALL BE SOLID COPPER OR BRONZE. COPPER PLATING SHALL NOT BE ACCEPTABLE.
 - BUSBAR SHALL BE 1/4" THICK (MINIMUM).
 - INCREASE LENGTH OF BUSBAR FOR NUMBER OF CONNECTIONS, AS REQUIRED TO MAINTAIN CORRECT SPACING BETWEEN LUGS.

B4 GROUND BUS BAR (TYP FOR ALL TR'S)
N.T.S.

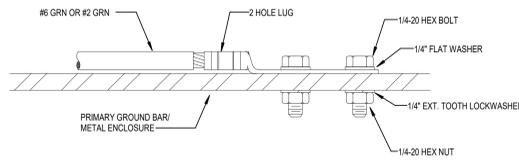


- NOTES:
- CABLE LABELING STANDARDS SHALL BE AS INDICATED ON SHEET T-401.
 - 8P8C CONNECTIONS IN WALL PLATES SHALL BE COLOR CODED TO MATCH PATCH PANEL COLORS AND CABLE COLORS INDICATED ON THIS SHEET AND SHEET T-401.
 - WALL BOX SHALL BE DOUBLE-GANG TELECOMMUNICATIONS-RATED WORK BOX WITH RIGID CONDUIT EXTENDING TO THE HORIZONTAL PATHWAY.

B7 WALL MOUNTED OUTLET - (TCO) VOICE/DATA
N.T.S.

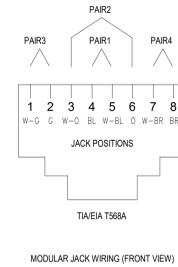


D1 TYPICAL CABLE TRAY WALL PENETRATION
N.T.S.



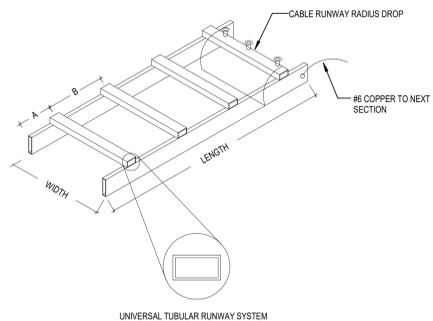
- INSTALLATION NOTES:
- SELECT BOLT LENGTH TO PROVIDE A MINIMUM OF TWO EXPOSED THREADS.
 - BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT.
 - APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF LUG AND WIPE CLEAN EXCESS COMPOUND.
 - USE SOLID COPPER WIRE AND MECHANICAL 2-HOLE LUG FOR ALL EXTERIOR GROUNDING.

D4 GROUND BAR 2-HOLE LUG TERMINATION
N.T.S.

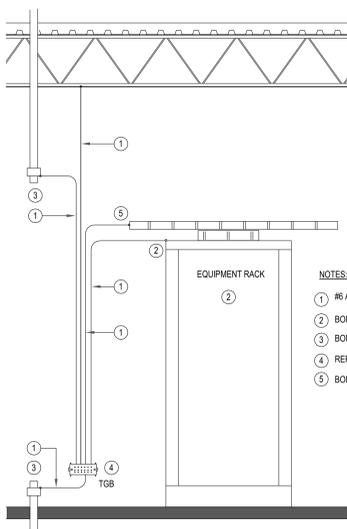


D7 MODULAR JACK WIRING DETAIL
N.T.S.

- NOTES:
- MEASURED FROM END OF STRINGER TO MIDDLE OF CROSS SLAT.
 - MEASURED FROM MIDDLE OF CROSS SLATS.

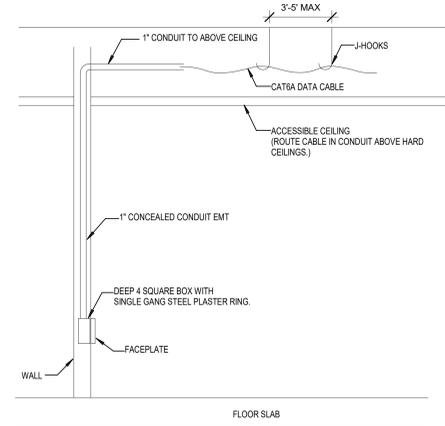


F1 TUBULAR RUNWAY/LADDER RACK IN TR'S
N.T.S.



- NOTES:
- #6 AWG COPPER GROUNDING CONDUCTOR.
 - BOND RACKS TO BUSBAR.
 - BOND METAL CONDUIT TO BUSBAR.
 - REFER TO DETAIL 6 OF FOR TGB CONNECTIVITY.
 - BOND CABLE TRAY & RUNWAY TO BUSBAR.

F4 GROUNDING DETAIL (TYP. TELECOM ROOM)
N.T.S.



F7 TYPICAL FLUSH OUTLET MOUNTING
N.T.S.

1/31/2025 1:30:14 PM
 E:\360\0121\04 - VA Providence Mental Health Building PH1012104 - VA Providence MHC Ph2 E20_Div 26_27_ & 28.rvt
 F

Revisions:	Revision Description	Date:

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REGISTERED PROFESSIONAL ENGINEER
IBCS
 Reg. No. 285002
 EXPIRES 12-31-22

Christopher H. Van Meter
 RCDD Reg. No. 285002

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
TELECOM DETAILS

Approved:

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

Location
PROVIDENCE, RI

Issue Date
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Checked
JFR

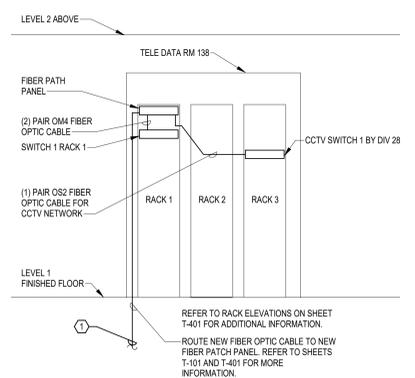
Drawn
CVM

Project Number
650-347

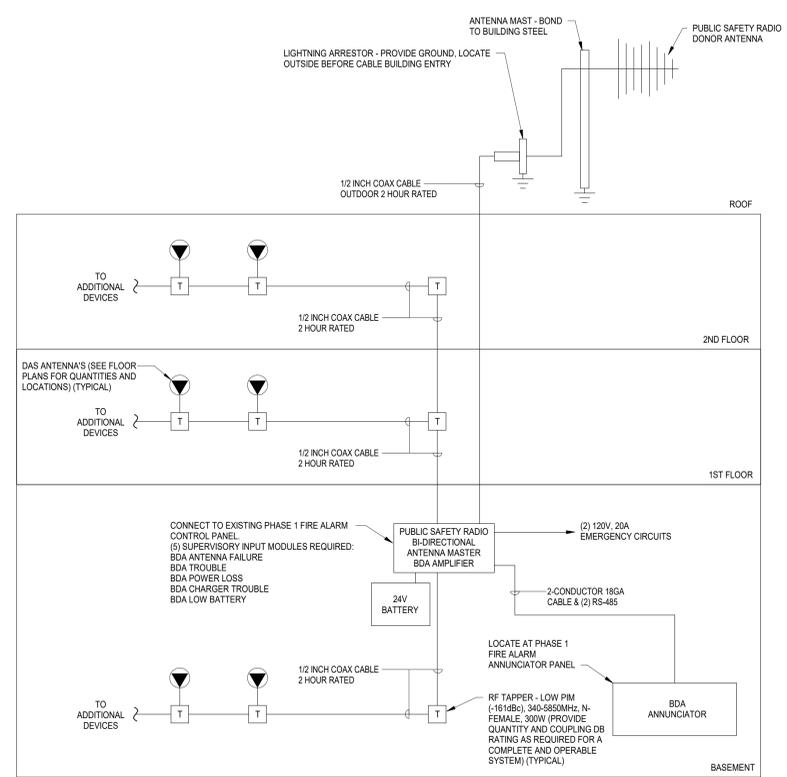
Building Number
39

Drawing Number
T-501

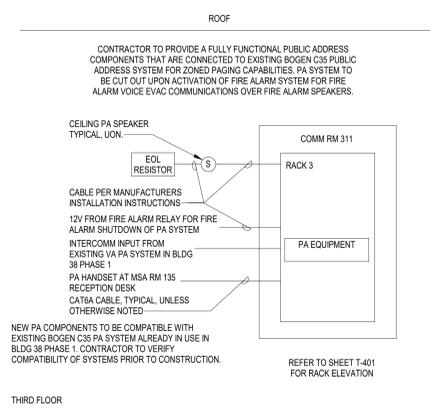
CODED NOTES:
 (1) 24-STRAND OM4 FIBER OPTIC CABLE AND (1) 6-STRAND OS2 FIBER OPTIC CABLE IN 2" FLEXIBLE CONDUIT FROM EXISTING FIBER PATCH EQUIPMENT LOCATED IN ROOM 019 FOR VIA NETWORK CONNECTION. COORDINATE EXACT TERMINATION POINT WITH VA IT PERSONNEL PRIOR TO CONSTRUCTION.



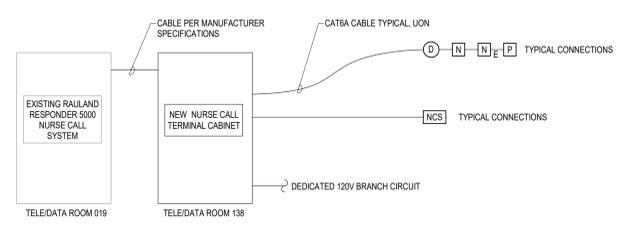
C4 FIBER BACKBONE RISER DIAGRAM
N.T.S.



C6 IN-BUILDING PUBLIC SAFETY RADIO ENHANCEMENT SYSTEM
N.T.S.



F4 PUBLIC ADDRESS DIAGRAM
N.T.S.



F6 NURSE CALL DIAGRAM
N.T.S.

1/31/2025 1:30:15 PM
 BIM 360/012/1004 - VA Providence Mental Health Building PH12012/1004 - VA Providence MHC Ph2 E20_Div 26, 27, & 28.rvt
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Christopher H. Van Meter
RCDD Reg. No. 285002

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
TELECOM RISERS AND DIAGRAMS

Approved: _____

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL HEALTH PHASE 2

Location
PROVIDENCE, RI

Issue Date
FEB 04 2022

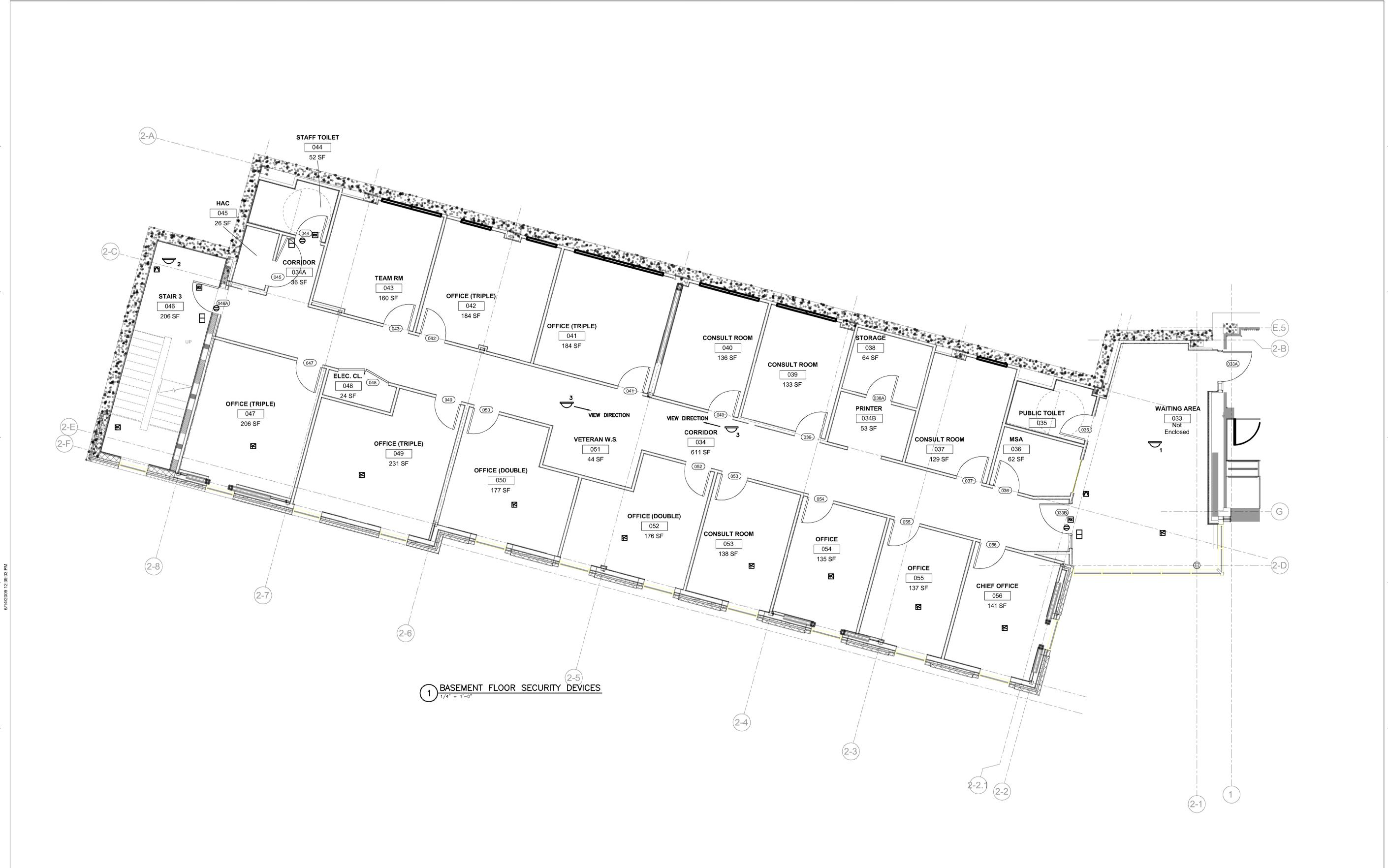
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CVM

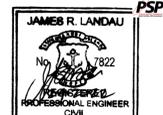
Project Number
650-347

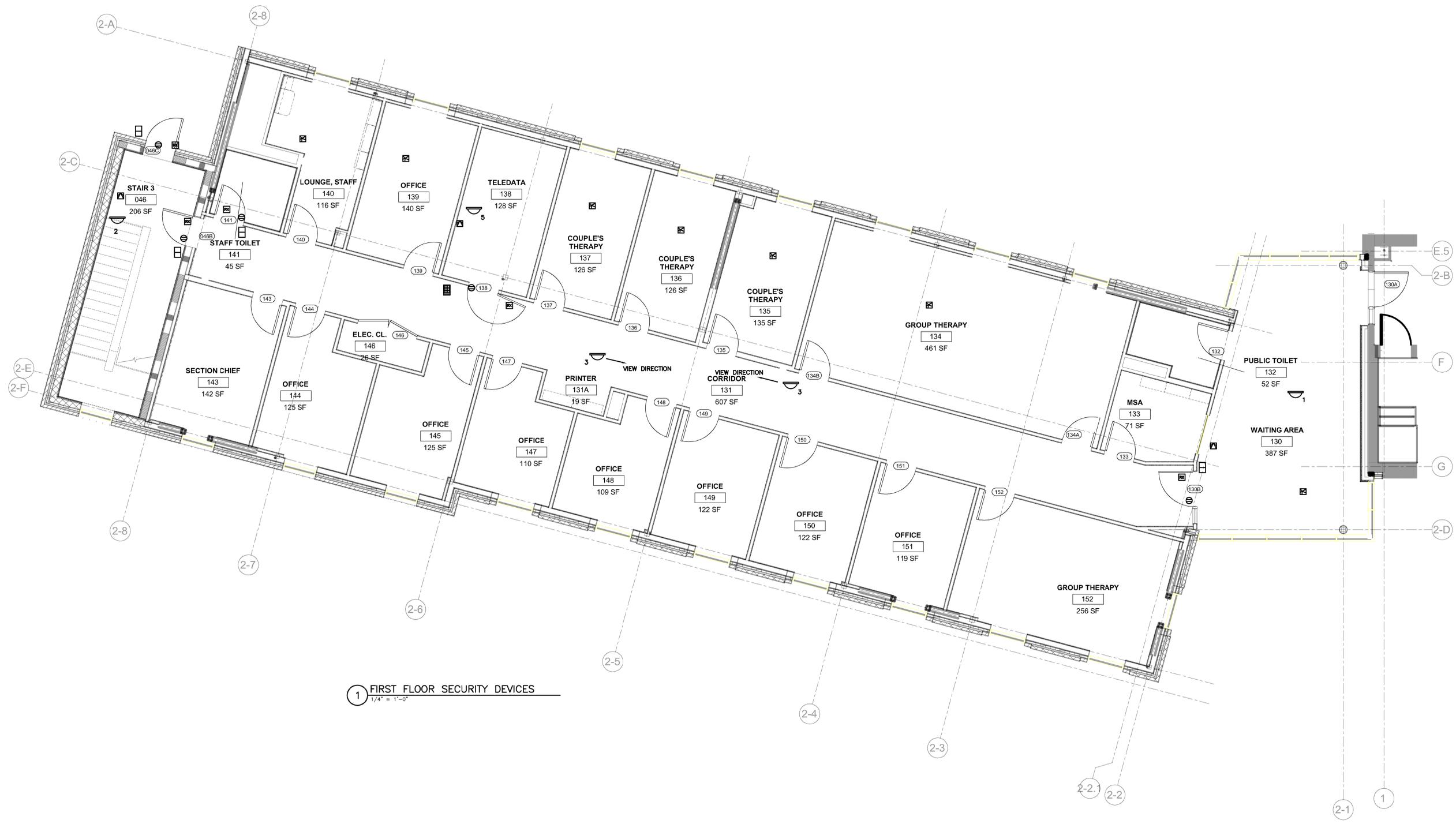
Building Number
39

Drawing Number
T-601



1 BASEMENT FLOOR SECURITY DEVICES
1/4" = 1'-0"

 PROJECT NORTH	CONSULTANT  JAMES LANDAU PE PLLC 72 Snowberry Drive South Portland, ME 04106 508-988-5089	ARCHITECT/ENGINEER OF RECORD  WBRC ARCHITECTS • ENGINEERS WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757	STAMP  JAMES R. LANDAU No. 7822 REGISTERED PROFESSIONAL ENGINEER CIVIL	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title SECURITY DEVICES - BASEMENT FLOOR PLAN Approved:	Phase CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Title NEW MENTAL HEALTH BUILDING - PHASE 2 Location 830 CHALKSTONE AVE. PROVIDENCE, RI Issue Date FEB 04, 2022	Project Number 650-347 Building Number 39 Drawing Number EY101
	Revisions:	Date:	Checked JRL	Drawn JL				



1 FIRST FLOOR SECURITY DEVICES
1/4" = 1'-0"

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	Revisions: _____ _____ _____ _____ _____	Date: _____	Checked JRL	Drawn JL					



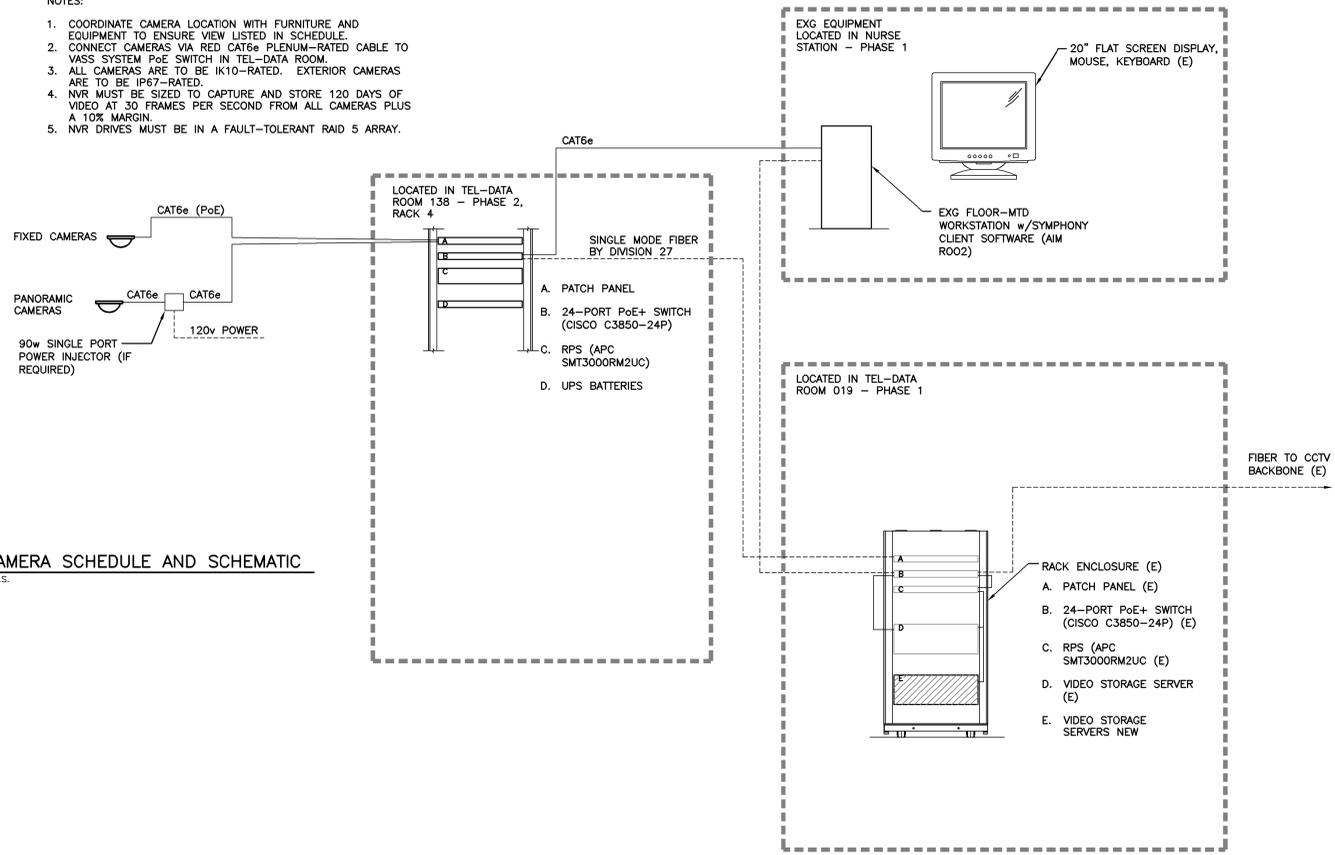
1 SECOND FLOOR SECURITY DEVICES
 1/4" = 1'-0"

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	Revisions:	Date:	Checked JRL	Drawn JL				

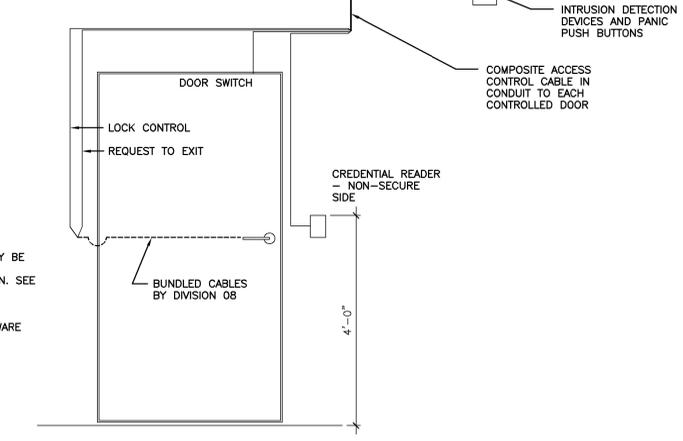
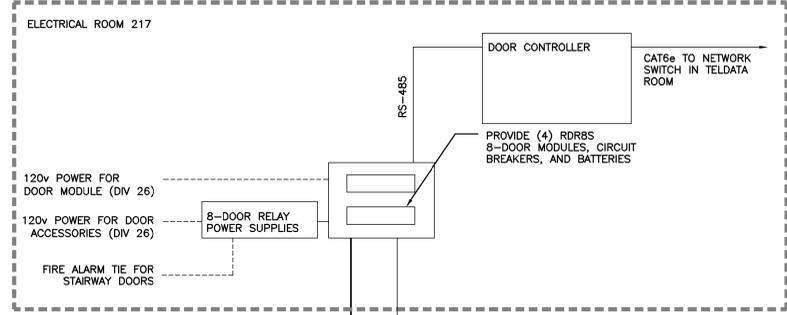
A
B
C
D
E
F

CAMERA TYPE	BODY TYPE	RESOLUTION	DAY/NIGHT	MOUNTING	FOCAL TYPE	LENS	SENSOR SIZE	VIEW DESCRIPTION	BASIS OF DESIGN CAMERA MODEL
1	DOME	4x3MP	Y	CEILING	FIXED	4 x 2.7mm	4 x 1/3.2"	360 DEGREE VIEW OF SPACE	PELCO OPTERA IMM 360
2	DOME	3MP	Y	WALL	VARIFOCUS	2.8 - 12.0 mm	1/2.8"	VIEW NON-SECURE SIDE OF STAIR DOOR	PELCO SARIX IMP 3MP
3	DOME	3MP	Y	CEILING	VARIFOCUS	2.8 - 12.0 mm	1/2.8"	VIEW LENGTH OF CORRIDOR	PELCO SARIX IMP 3MP
4	DOME	4x3MP	Y	CEILING	FIXED	4 x 2.7mm	4 x 1/3.2"	VIEW INTERSECTING COORIDORS	PELCO OPTERA IMM 180
5	DOME	3MP	Y	CEILING OR PENDANT	VARIFOCUS	2.8 - 12.0 mm	1/2.8"	VIEW SECURE SIDE OF DOOR	PELCO SARIX IMP 3MP
6	DOME	3x5MP	Y	CORNER BKT 15' ABV GRADE	FIXED	3 x 2.8mm	3 x 1/2.8"	270 DEGREE EXTERIOR VIEW	AVIGILON H4 3x5mp

- NOTES:
- COORDINATE CAMERA LOCATION WITH FURNITURE AND EQUIPMENT TO ENSURE VIEW LISTED IN SCHEDULE.
 - CONNECT CAMERAS VIA RED CAT6e PLENUM-RATED CABLE TO VASS SYSTEM PoE SWITCH IN TEL-DATA ROOM.
 - ALL CAMERAS ARE TO BE IK10-RATED. EXTERIOR CAMERAS ARE TO BE IP67-RATED.
 - NVR MUST BE SIZED TO CAPTURE AND STORE 120 DAYS OF VIDEO AT 30 FRAMES PER SECOND FROM ALL CAMERAS PLUS A 10% MARGIN.
 - NVR DRIVES MUST BE IN A FAULT-TOLERANT RAID 5 ARRAY.



2 CAMERA SCHEDULE AND SCHEMATIC
N.T.S.



1 SECURITY DOOR ELEVATION
N.T.S.

CONSULTANT JAMES LANDAU PE PLLC 72 Snowberry Drive South Portland, ME 04106 508-988-5089	ARCHITECT/ENGINEER OF RECORD WBRC ARCHITECTS • ENGINEERS WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-828-4511 SARASOTA, FLORIDA 941-556-0757	STAMP JAMES R. LANDAU No. 7822 REGISTERED PROFESSIONAL ENGINEER CIVIL	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title SECURITY DEVICES - SCHEMATICS AND SCHEDULES	Phase CONSTRUCTION DOCUMENTS	Project Title NEW MENTAL HEALTH BUILDING - PHASE 2	Project Number 650-347
				Approved:	FULLY SPRINKLERED	Location 830 CHALKSTONE AVE. PROVIDENCE, RI	Building Number 39
Revisions:	Date:	Date:	Date:	Issue Date FEB 04, 2022	Checked JRL	Drawn JL	Drawing Number EY501