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**Office of
Construction
and Facilities
Management**

VA | U.S. Department
of Veterans Affairs

Phase

**CONSTRUCTION
DOCUMENTS**

FULLY SPRINKLERED

Project Title			Project Number	
PROVIDENCE VAMC MENTAL HEALTH PHASE 2			650-347	
			Building Number	
			39	
Location			Drawing Number	
PROVIDENCE, RI				
Issue Date	Checked	Drawn	T-001	
FEB 04 2022	JFR	CVM		

TELECOMMUNICATIONS ABBREVIATIONS					COORDINATION NOTES:		
1PH 1P 2/C 3C 3PH 4/C 4W	SINGLE-PHASE SINGLE POLE TWO-CONDUCTOR THREE-CONDUCTOR THREE-PHASE FOUR-CONDUCTOR FOUR-WIRE	DAS DB DC DEG C DEG F DEM DIA DISTR DN DRSW DWG	DISTRIBUTED ANTENNA SYSTEM DECIBEL OR DIRECT BURIAL DIRECT CURRENT DEGREES CELSIUS DEGREES FAHRENHEIT DEMOLITION DIAGRAM DISTRIBUTION DOWN DOOR SWITCH DRAWING	OC OD	ON CENTER OUTSIDE DIAMETER		
A/C UNIT AE AAP AC ACC ADDL ADJ ADO AFC AFB AFS AHJ ALT AMB OR A ARCH ARS ATS AUTO AV	AIR CONDITIONING UNIT ARCHITECT/ENGINEER ALARM ANNUNCIATOR PANEL ALTERNATING CURRENT OR ARMORED CABLE ACCESSIBLE ADDITIONAL ADJACENT, ADJOINING AUTOMATIC DOOR OPERATOR AFTER FINISHED COUNTER ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AUTHORITY HAVING JURISDICTION ALTERNATE AMBIENT ARCHITECT AUTOMATIC TRANSFER SWITCH AUTOMATIC AUDIO VISUAL	EG ELC EL ELEV EMER EML ENCL EPO ESMT EXIST FLEX FOUIT FP FU SW G OR GRND GEN GTB HOA HT HZ IMC IR J-BOX LF LTNG LV MATV MAX MECH MH MIN MT MNTD MTG NA NEC NEUT OR N NIC NS NTS	EMPTY CONDUIT EQUIPMENT GROUND ELEVATION ELECTRIC OR ELECTRICAL ELEVATOR EMERGENCY ELECTROMAGNETIC INTERFERENCE ELECTRICAL METALLIC TUBING ENCLOSURE EMERGENCY POWER OFF EASEMENT EXISTING FLEXIBLE METALLIC CONDUIT TELEPHONE FLOOR OUTLET FIRE PROTECTION FEET OR FOOT FUSED SWITCH GROUND OR GENERATOR GENERATOR GROUND TERMINAL BOX HAND-OFF-AUTOMATIC HEIGHT HERTZ INTERMEDIATE METAL CONDUIT INFRARED JUNCTION BOX LINEAR FEET (FOOT) LIGHTNING LOW VOLTAGE MASTER ANTENNA TELEVISION SYSTEM MAXIMUM MECHANICAL MANHOLE MINIMUM MOUNT MOUNTED MOUNTING NOT APPLICABLE NATIONAL ELECTRICAL CODE NEUTRAL NOT IN CONTRACT NO SCALE NOT TO SCALE	P PA PB PBP PED PEND PF PH PML PVC PWR RCP REC RECP RCS RM REQD SF SHT SIT SPEC SURF SW TEL TP TPS TTB TV TYP UFD UGND UL UON UPS UTIL V TCO WP	POLE PUBLIC ADDRESS PANELBOARD, PULL BOX, OR PUSHBUTTON PREFABRICATED BEDSIDE PATIENT UNIT PEDESTAL PENDANT POWER FACTOR PHASE PANEL POLYVINYL CHLORIDE (PLASTIC) POWER REFLECTED CEILING PLAN RECESSED RECEPTACLE RIGID GALVANIZED STEEL ROOM REQUIRED SQUARE FOOT (FEET) SHEET INTERVENTIONAL SYSTEM OF UNITS SPECIFICATION SURFACE SWITCH TELEPHONE TWISTED PAIR TWISTED PAIR SHIELDED TELEPHONE TERMINAL BOARD TELEVISION TYPICAL UNDERFLOOR DUCT UNDERGROUND UNDERWRITERS LABORATORY UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UTILITY VOLT WORK AREA OUTLET WEATHERPROOF	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. THE SCSC SHALL BE RESPONSIBLE FOR COORDINATION WITH THE ELECTRICAL CONTRACTOR (EC) FOR SPECIFIC LOCATIONS OF ALL TELECOMMUNICATIONS SYSTEM DEVICES, INCLUDING ANCHILARY SYSTEM COMPONENTS AND ASSOCIATED CONDUITS PROVIDED BY THE EC. 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. 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. THE VA SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL ACTIVE EQUIPMENT, CONTROLLERS, SWITCHES, ETC. THAT RESIDE WITHIN THESE RACKS. GROUNDING AND BONDING THE EC SHALL BE RESPONSIBLE FOR INSTALLING THE GROUNDING BUS(BAR/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. THE SCSC SHALL BE RESPONSIBLE FOR GROUNDING ALL RACKS, CABINETS, ENCLOSURES, PROTECTOR BLOCKS AND CABLE LADDER/RACK INSIDE TELECOMMUNICATIONS ROOMS.	FIRESTOPPING THE EC SHALL BE RESPONSIBLE FOR FIRE-STOPPING SLEEVE ASSEMBLIES TO OBTAIN A U/L RATING. THE SCSC SHALL BE RESPONSIBLE FOR FIRE-STOPPING INSIDE THE SLEEVES AFTER CABLE INSTALLATION IS COMPLETE. CASEWORK / MILLWORK THE SCSC SHALL BE RESPONSIBLE FOR INSTALLING TELECOMMUNICATIONS OUTLETS IN CASEWORK, AS REQUIRED. CABLES SHALL BE CONCEALED IN CASEWORK. THE EC SHALL BE RESPONSIBLE FOR INSTALLING ASSOCIATED CONDUIT AND BACK-BOXES AND SHALL STUB CONDUIT TO THE ABOVE ACCESSIBLE CEILING SPACE. 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/CILING 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 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. 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 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 EX SHALL BE RESPONSIBLE FOR ROUGH-UP 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).

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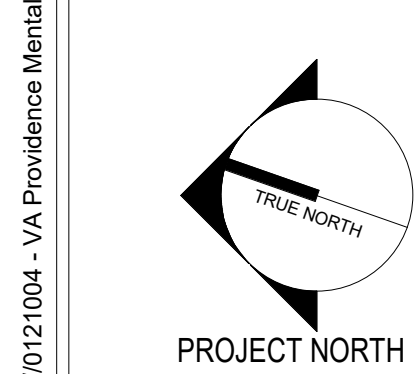
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BM 36010121.004 - VA Providence Mental Health Building PH10112.004 - VA Providence MHC PH2 120_Dwg 26_27_ & 28.rvt



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

Revisions:	Revision Description	Date:


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STAMP



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RCDD Reg. No. 285002

Office of
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and Facilities
Management

 U.S. Department
of Veterans Affairs

Drawing Title

LEVEL B PLAN - FIBER ROUTING

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

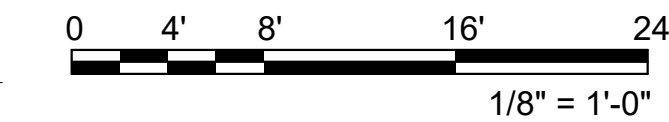
Project Number
650-347

Building Number
39

Drawing Number
T-101

- DRAWING NOTES:
1. 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:
- ① ROUTE (1) OM4 FIBER OPTIC CABLE AND (1) OS2 FIBER OPTIC CABLE ABOVE CEILING FROM PHASE 1 TELEDATA ROOM 010 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 MAXWELL MW50224.
- ② PROVIDE CONDUIT SLEEVES THROUGH FLOOR UP INTO NEW TELEDATA ROOM 138. REFER TO SHEET T-461 FOR ADDITIONAL INFORMATION.
- ③ 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.
- ④ (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.

KEY PLAN



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BM 36010121004 - VA Providence Mental Health Building PH20121004 - VA Providence MHC Ph2 120_Dwg 26_27_ & 28.rvt
VA FORM 08 - 6231

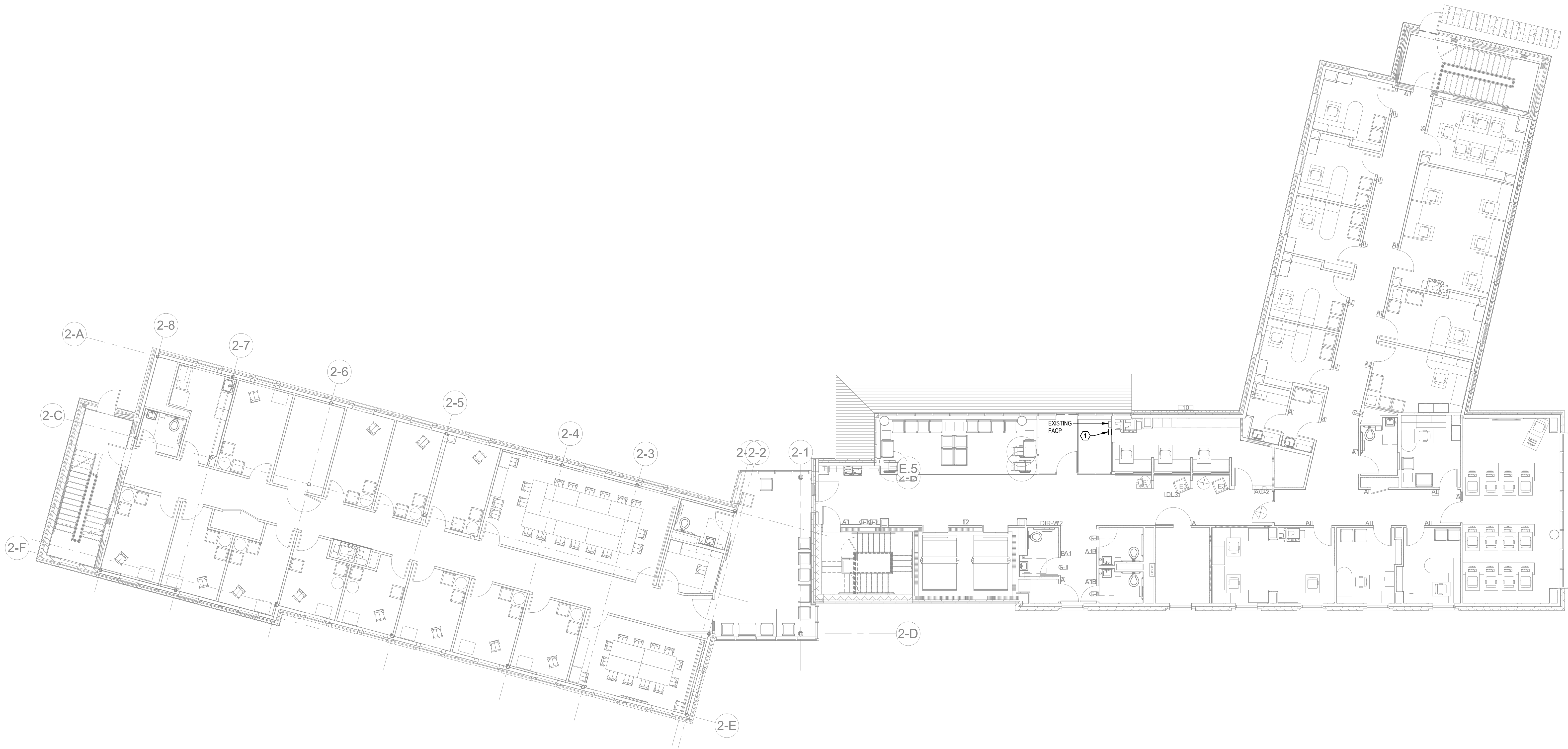
DRAWING NOTES:

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

CODED NOTES:

1

BDA ANNUNCIATOR. LOCATE ADJACENT TO EXISTING FIRE ALARM CONTROL PANEL. COORDINATE EXACT LOCATION IN FIELD PRIOR TO CONSTRUCTION. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.



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

PROJECT NORTH

Revisions:	Revision Description	Date:

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Drawing Title

LEVEL 1 PLAN - OVERALL

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

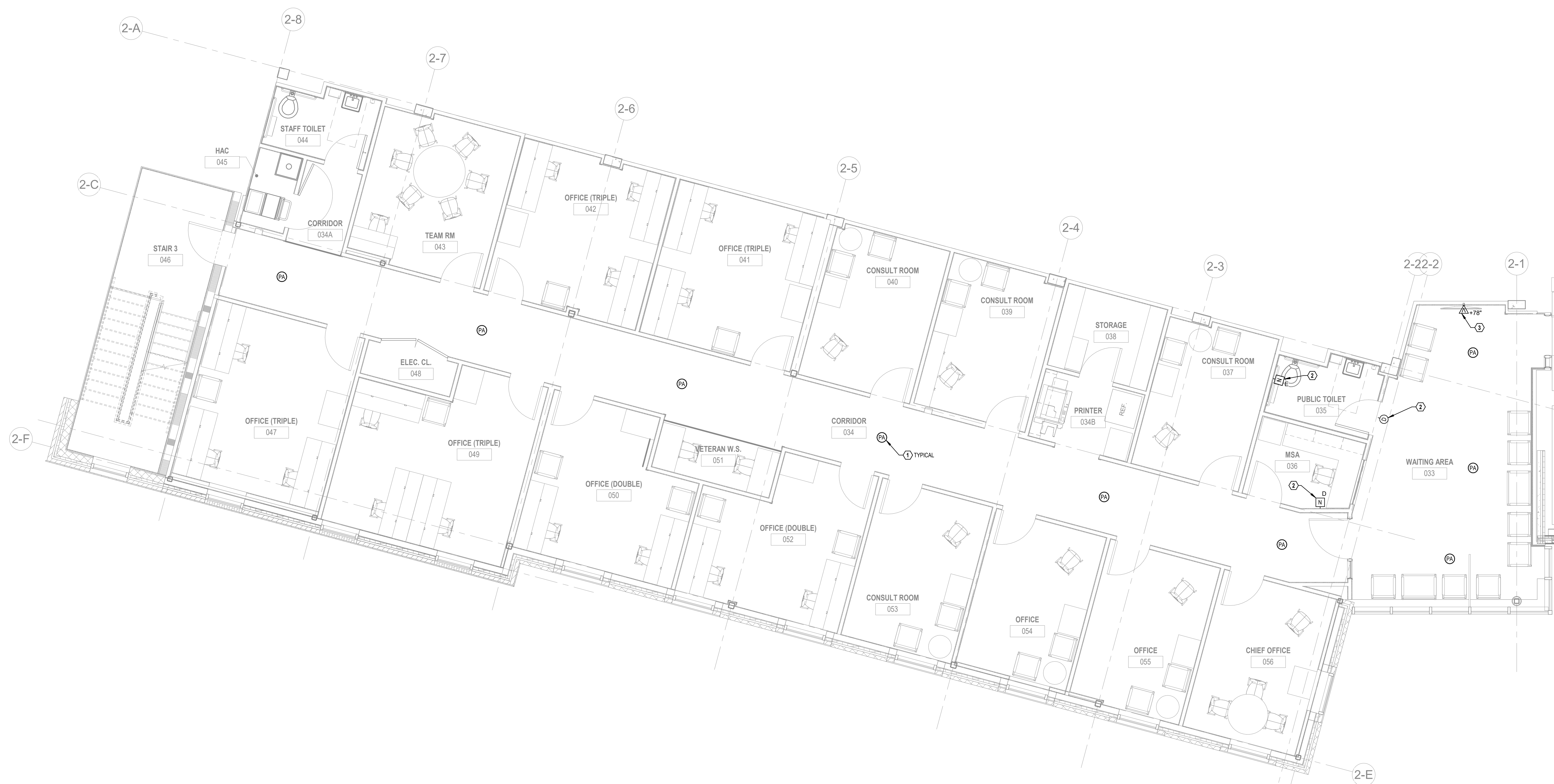
T-102

DRAWING NOTES:

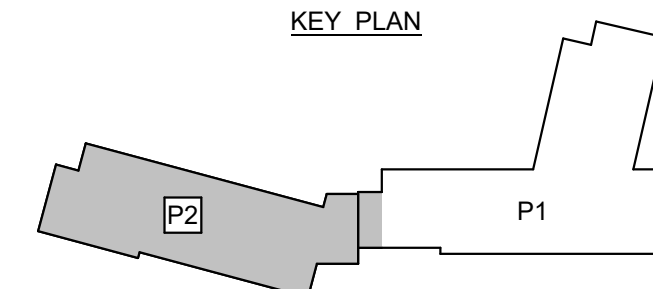
1. COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO CONSTRUCTION.

CODED NOTES:

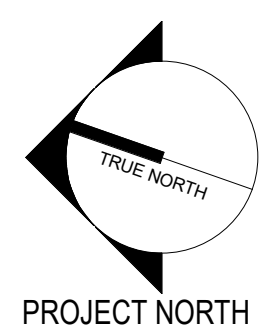
- ① CEILING MOUNTED PUBLIC ADDRESS SPEAKER. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
- ② COORDINATE EXACT LOCATION OF ALL NURSE CALL EQUIPMENT WITH ARCHITECTURAL AND INTERIORS PLANS PRIOR TO CONSTRUCTION. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
- ③ COORDINATE LOCATION OF OUTLET BOX WITH TV MOUNT, DATA OUTLETS AND POWER RECEPTACLE. ALL CONNECTIONS TO BE CONTAINED WITHIN RECESSED VENT OUTLET BOX. REFER TO ELECTRICAL DRAWINGS FOR MODEL NUMBER AND ADDITIONAL INFORMATION. PROVIDE RG6 COAXIAL CABLE TO VENT OUTLET BOX TO COAXIAL TERMINATION POINT IN PHASE 1. IT ROOM/DIN: COORDINATE EXACT TERMINATION POINT IN PHASE 1 WITH VA/IT PRIOR TO CONSTRUCTION.



KEY PLAN



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

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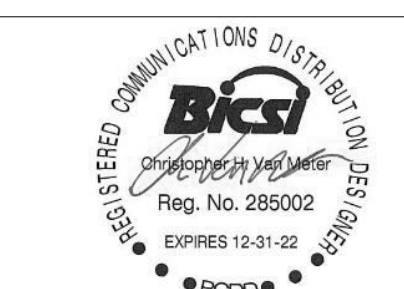
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U.S. Department
of Veterans Affairs

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

Approved:

Phase

**CONSTRUCTION
DOCUMENTS**

FULLY SPRINKLERED

Project Title

PROVIDENCE VAMC MENTAL
HEALTH PHASE 2

Location	PROVIDENCE, RI
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Issue Date
FEB 04 202

Checked
JER

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Project Number

650-347
Building Number

	Drawing Number

TA101

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BM 36010121004 - VA Providence Mental Health Building PH101121004 - VA Providence MHC Ph2 120_Div 26, 27, & 28.rvt

- DRAWING NOTES:
1.

COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO CONSTRUCTION.
- CODED NOTES:
- 1

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.
- 2

CEILING MOUNTED PUBLIC ADDRESS SPEAKER. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
- 3

COORDINATE EXACT LOCATION OF ALL NURSE CALL EQUIPMENT WITH ARCHITECTURAL AND INTERIORS PLANS PRIOR TO CONSTRUCTION. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
- 4

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 RG6 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.
- 5

PUBLIC ADDRESS HANDSET. COORDINATE EXACT LOCATION WITH MILLWORK AND VA PRIOR TO CONSTRUCTION. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
- 6

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.

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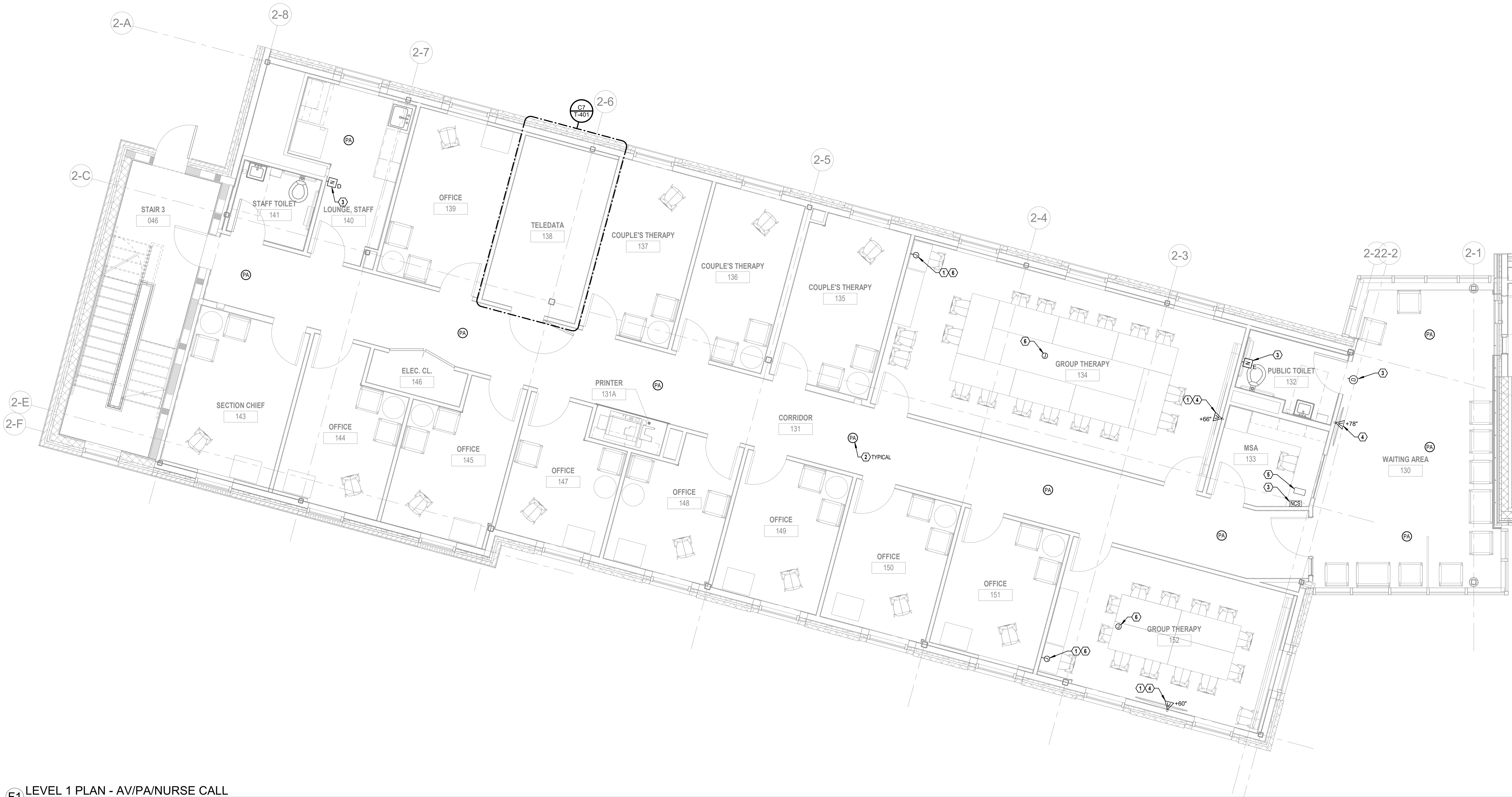
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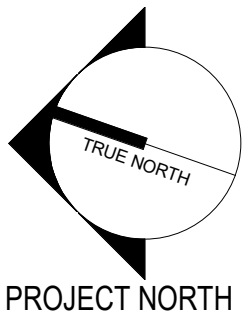
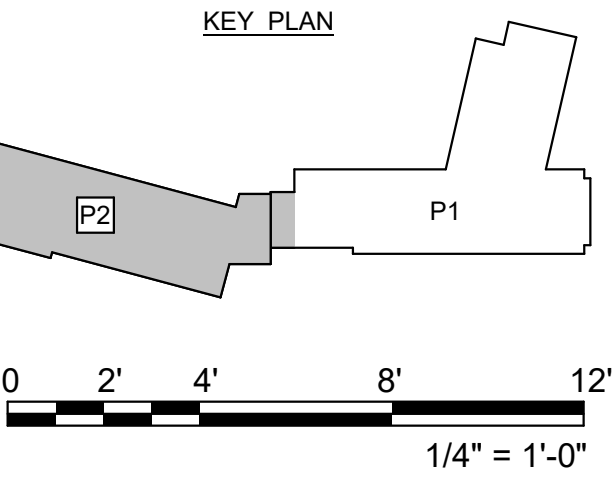
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F1 LEVEL 1 PLAN - AV/PA/NURSE CALL
1/4" = 1'-0"



Revisions:	Revision Description	Date:


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 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

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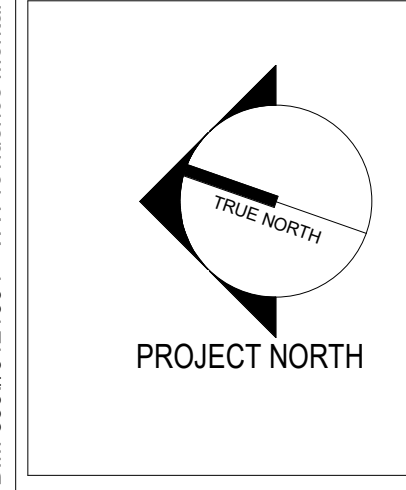
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- DRAWING NOTES:
1. COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO CONSTRUCTION.
- CODED NOTES:
- ① CEILING MOUNTED PUBLIC ADDRESS SPEAKER. REFER TO SHEET T-401 FOR ADDITIONAL INFORMATION.
- ② COORDINATE EXACT LOCATION OF ALL NURSE CALL EQUIPMENT WITH ARCHITECTURAL AND INTERIORS PLANS PRIOR TO CONSTRUCTION. REFER TO SHEET T-401 FOR ADDITIONAL INFORMATION.
- ③ 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 RG6 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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VA U.S. Department of Veterans Affairs

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
FEB 04 2022

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Drawn
CVM

Project Number
650-347

Building Number
39

Drawing Number
TA103

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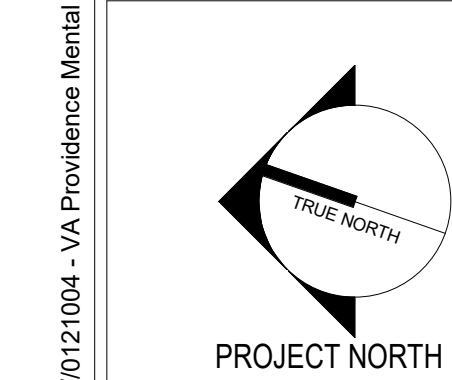
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15010121004 - VA Providence Mental Health Building PH120121004 - VA Providence MHC Ph2 120_Dwg 26, 27, & 28.rvt



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

Revisions:	Revision Description	Date:


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Management

 U.S. Department
of Veterans Affairs

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

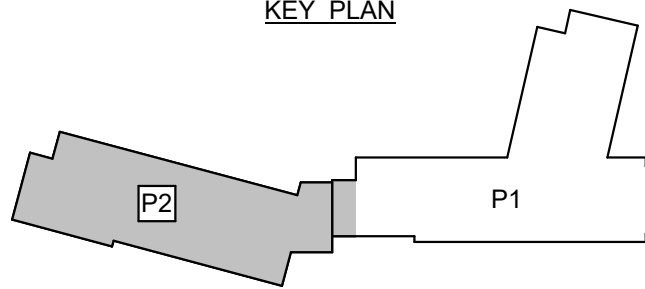
DRAWING NOTES:

- 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 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-601 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.

KEY PLAN



0 2' 4' 8' 12'
1/4" = 1'-0"

A

B

C

D

E

F

1/31/2022 1:30:35 PM

BM 36010121004 - VA Providence Mental Health Building PH101121004 - VA Providence MHC Ph2 120_Div 26_27_ & 28.rvt

- 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-801 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.

A

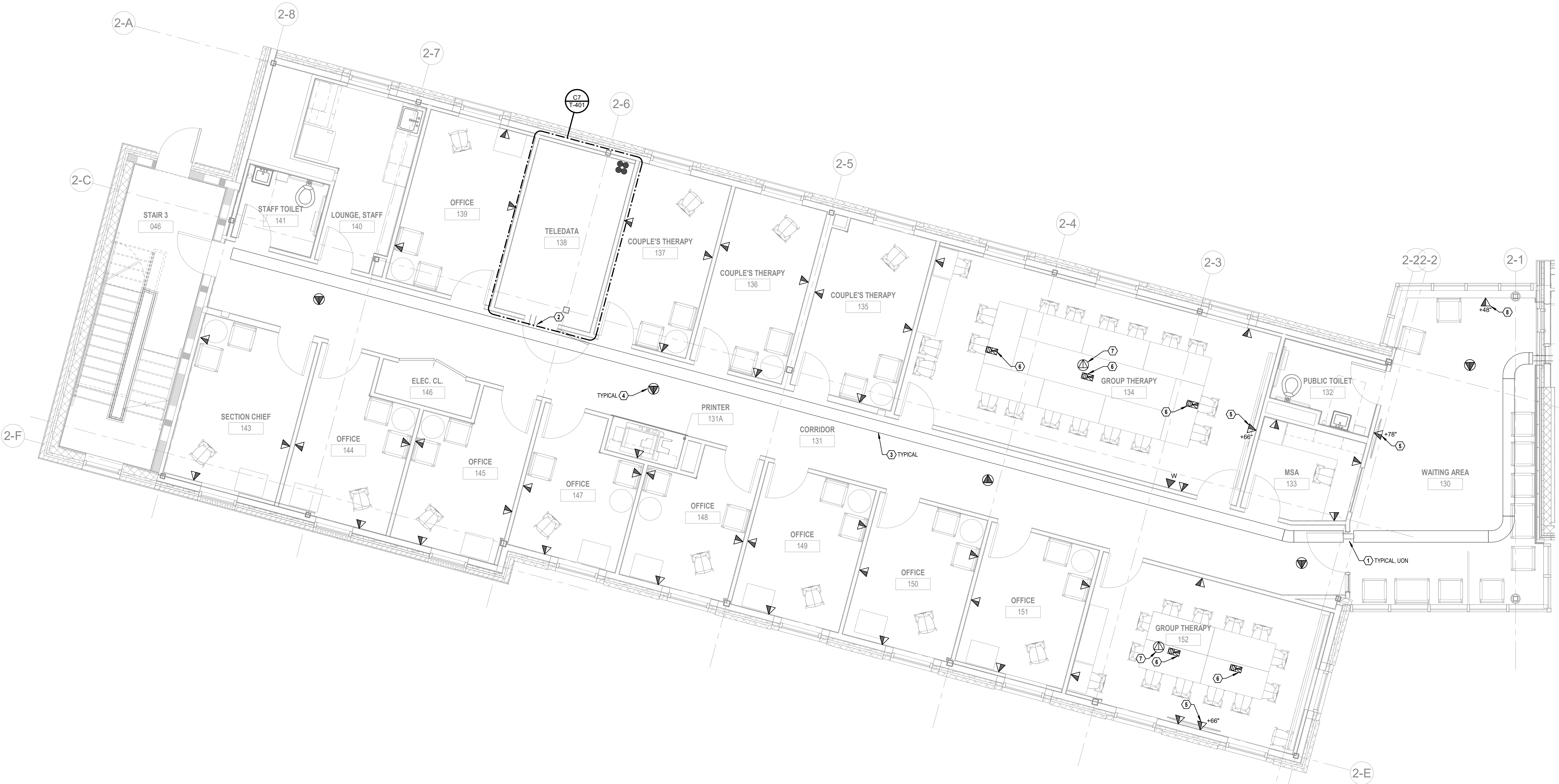
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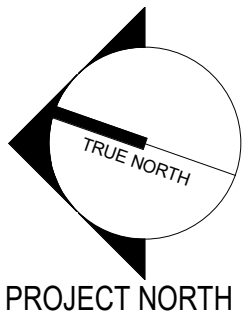
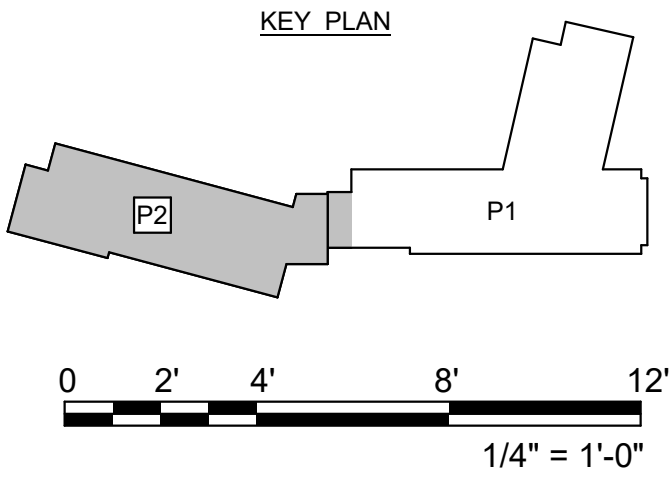
D

E

F



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



Revisions:	Revision Description	Date:

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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:
- 1

COORDINATE EXACT LOCATION OF ALL OUTLETS AT MONITORS WITH ARCHITECTURAL PLANS AND ALL OTHER MONITOR CONNECTIONS IN FIELD PRIOR TO CONSTRUCTION.
- 2

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:
- 1

(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.
- 2

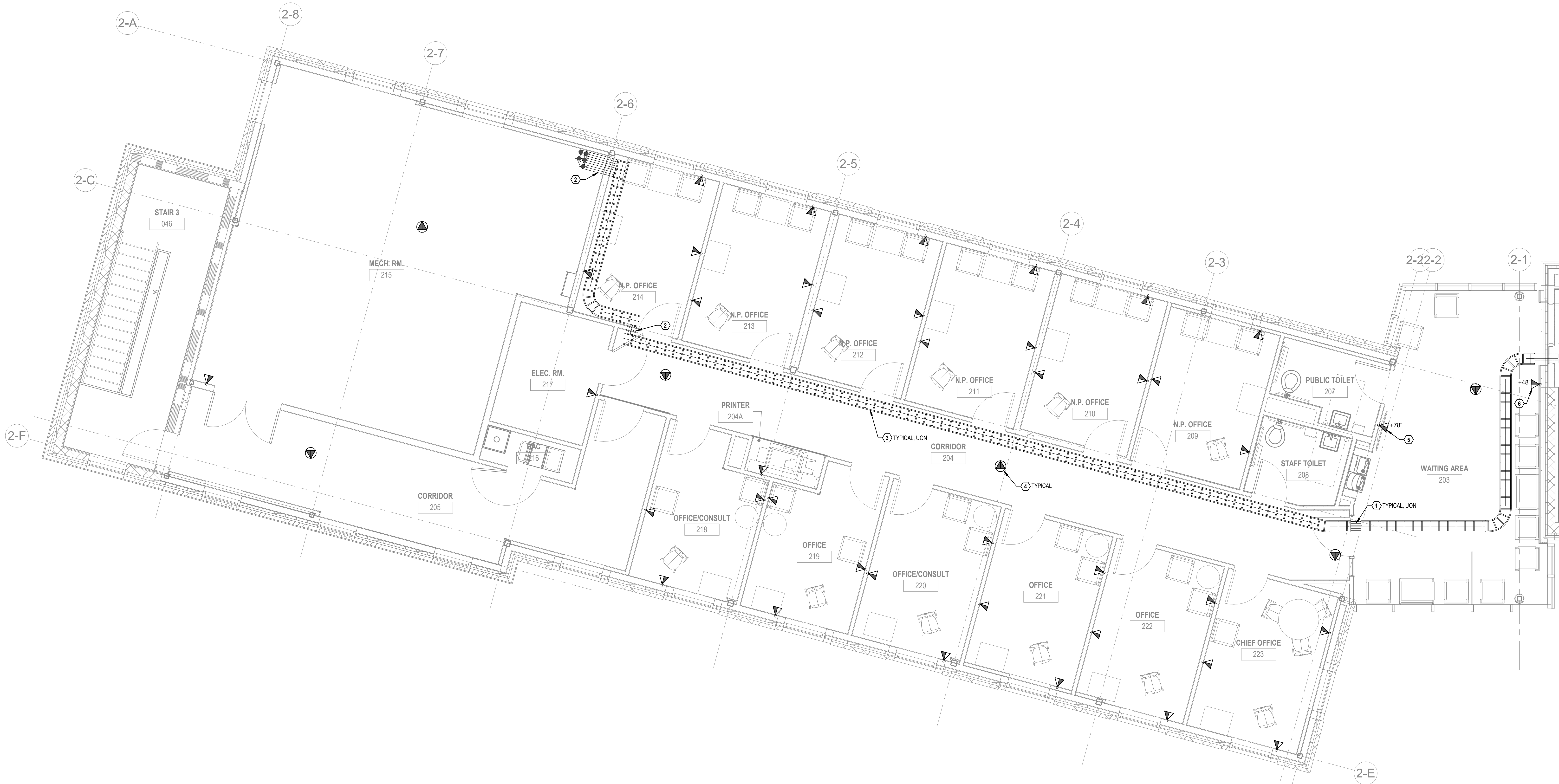
(4) 4" SLEEVES THROUGH WALL WITH BUSHINGS ON EACH END. PROVIDE HILTI FIRESTOP ASSEMBLY OR SYSTEM AS REQUIRED TO MAINTAIN FIRE RATING OF PARTITION. BASIS OF DESIGN IS HILTI SPEED SLEEVE FAMILY OF PRODUCTS.
- 3

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.
- 4

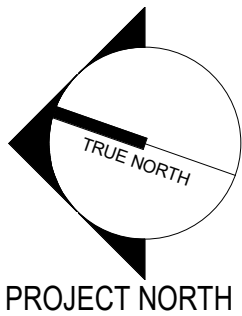
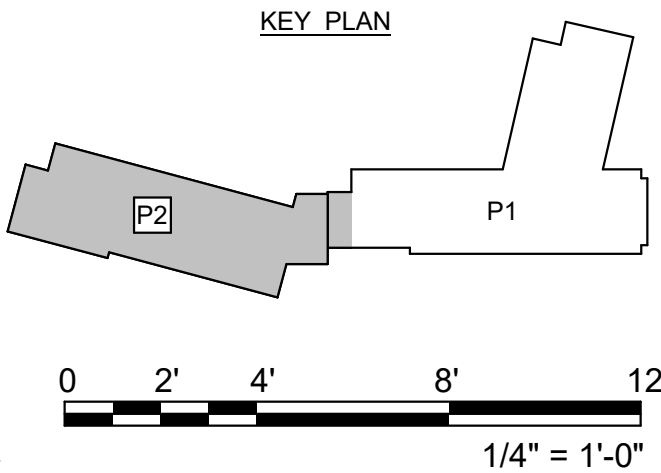
COORDINATE EXACT LOCATION OF DAS ANTENNA WITH SYSTEM SUBMITTAL DOCUMENTS PRIOR TO CONSTRUCTION. REFER TO IN-BUILDING PUBLIC SAFETY RADIO ENHANCEMENT SYSTEM DIAGRAM ON SHEET T-601 FOR ADDITIONAL INFORMATION.
- 5

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.
- 6

COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF TELEPHONE OUTLET WITH VA PRIOR TO CONSTRUCTION.




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



Revisions:	Revision Description	Date:


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of Veterans Affairs

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

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JFR

Drawn
CVM

Project Number

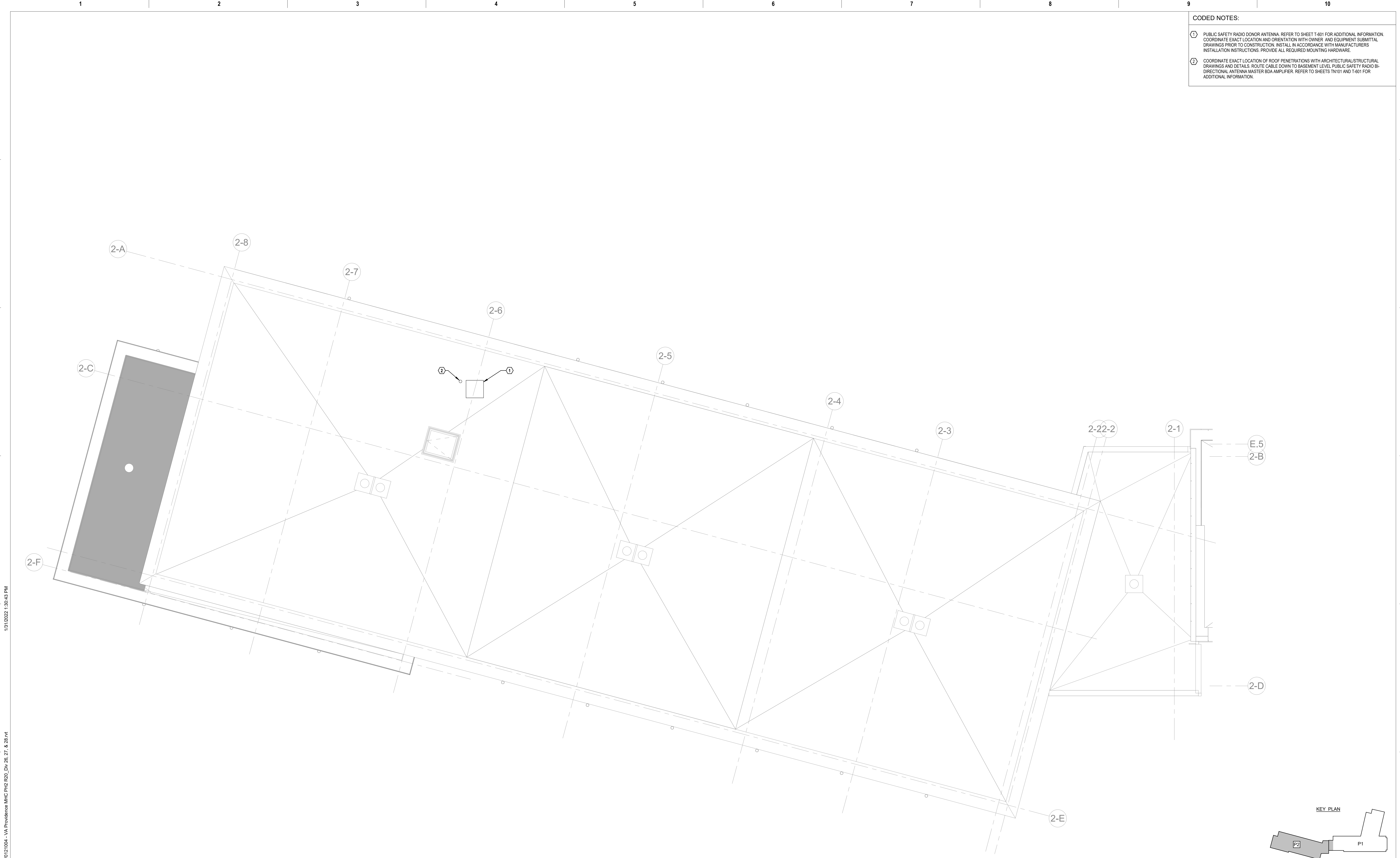
650-347

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"

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Drawing Title

ROOF LEVEL PLAN - DATA/BDA

Approved:

Phase

CONSTRUCTION
DOCUMENTS

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Project Title

PROVIDENCE VAMC MENTAL
HEALTH PHASE 2

Location
PROVIDENCE, RI

Issue Date
FEB 04 2022

Project Number

650-347

Building Number

39

Drawing Number

TN104

Checked

JFR

Drawn

CVM

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DRAWING NOTES:

1. LABELING STANDARDS SHALL BE FOLLOWED FOR TR NUMBER, RACK NUMBER, PATCH PANEL (A-Z), AND PORT NUMBER. EXAMPLE: TR1-1A-01.
2. WAP'S 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 WAP'S. WAP CABLING AND ASSOCIATED EQUIPMENT PROVIDED AND INSTALLED BY OTHERS.
3. 8PFC CONNECTION PORTS IN TCO WALL PLATES SHALL BE COLOR CODED BASED ON TYPE. REFER TO SHEET T-401 FOR CABLE COLOR CHART. TCO WALL PLATE PORT AND CABLE COLOR SHALL MATCH ASSOCIATED PATCH PANEL COLOR.
4. 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:

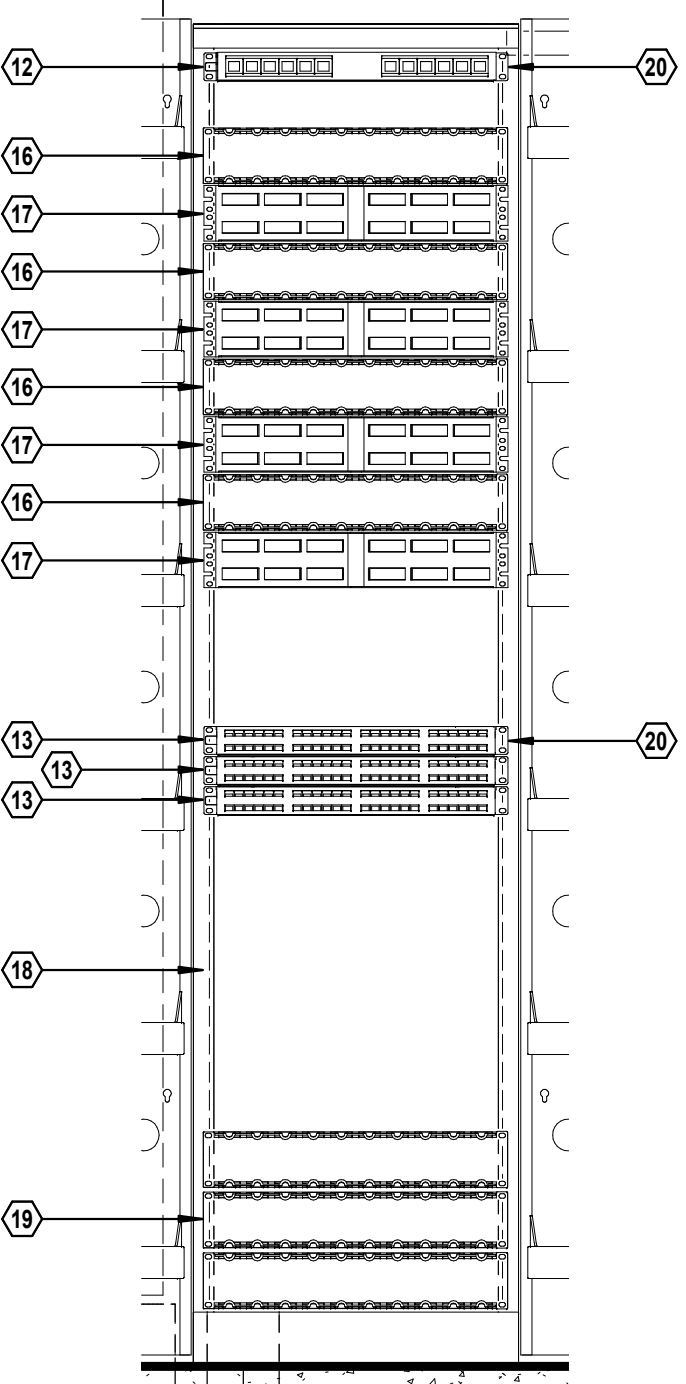
1. PROVIDE TIA APPROVED, FIRE RATED, AC GRADE PLYWOOD BACKBOARD 4'x8'x1/2", OR APPROVED FIRE PLYWOOD, PAINT ON ALL SIDES AND WITHIN OUTLET AREAS WITH AT LEAST (2) COATS OF FIRE RETARDANT, LIGHT COLORED PAINT. LOCATE BACKBOARD 12" AFF, INSTALL SO 'A' SIDE OF PLYWOOD IS EXPOSED.
2. PROVIDE 18" X 30" 48RU 4-POST EQUIPMENT RACK, COLOR - WHITE, MINIMUM OF 30" DEPTH. BASIS OF DESIGN IS CHATSWORTH ADJUSTABLE QUADRARACK 1521 SERIES.
3. 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.
4. PROVIDE 18"W X 6"H LADDER TYPE CABLE TRAY. MOUNT CABLE TRAY AT 8" AFF TO BOTTOM OF TRAY.
5. 6" VERTICAL WIRE MANAGERS, (TYPICAL)
6. (4) 4" SLEEVES THROUGH WALL WITH BUSHINGS ON BOTH SIDES.
7. (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.
8. (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.
9. 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.
10. PROVIDE 18"W X 4"H LADDER TYPE CABLE TRAY. ROUTED VERTICALLY UP WALL, BEGINNING AT 4" AFF, ENDING AT 8'-4" AFF. COORDINATE EXACT LOCATION OF CABLE TRAY WITH 4" CONDUITS UP FROM LEVEL BELOW.
11. PROVIDE 16"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.
12. 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) 6 FIBER SC CONNECTOR CASSETTES FOR TERMINATION OF OS2 CCTV CABLES FROM BUILDING 38 ROOM 019. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. 1U, (48) PORT POE+ (DATA) SWITCH FOR DATA/VOIP NETWORK. SWITCH PROVIDED AND INSTALLED BY VA. BASIS OF DESIGN IS CISCO 9300.
14. PUBLIC ADDRESS SYSTEM EQUIPMENT. REFER TO SHEET T-601 FOR ADDITIONAL INFORMATION.
15. WIRELESS NETWORK EQUIPMENT. PROVIDED AND INSTALLED BY OTHERS.
16. 2U HORIZONTAL CABLE MANAGEMENT.
17. 2U, (48) PORT, ANGLED PATCH PANEL. PATCH PANELS TO BE COLOR CODED TO MATCH TCO PORT COLORS. FOR A TOTAL OF (4) WHITE, (4) YELLOW, (4) BLUE, AND (4) GREEN PATCH PANELS. REFER TO SHEETS T-401 AND T-601 FOR ADDITIONAL INFORMATION.
18. PROVIDE (2) RACK MOUNTED VERTICAL PDUS FOR CONNECTION OF RACK MOUNTED EQUIPMENT. PDUS SHALL HAVE A MINIMUM OF (2) C13, (5) C19 OUTLETS AND BE RATED FOR 5KW MINIMUM. PDU BASIS OF DESIGN IS APC APT564 (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.
19. (1) 6KW RACK MOUNTED UPS FOR B-SIDE (CRITICAL) PDU POWER. BASIS OF DESIGN IS APC SRT6KRMULT-SKT WITH (1) ADDITIONAL BATTERY PACK SRT192RMBP.
20. (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.
21. NURSE CALL TERMINAL CABINET.
22. 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.
23. 2U HORIZONTAL CABLE MANAGEMENT. PROVIDED BY DIV. 28 CONTRACTOR.
24. 1U, (24) PORT, ANGLED PATCH PANEL. PROVIDED BY DIV. 28 CONTRACTOR.
25. RACK MOUNTED CCTV EQUIPMENT 120V, 2700W UPS. PROVIDED BY DIV. 28 CONTRACTOR.

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

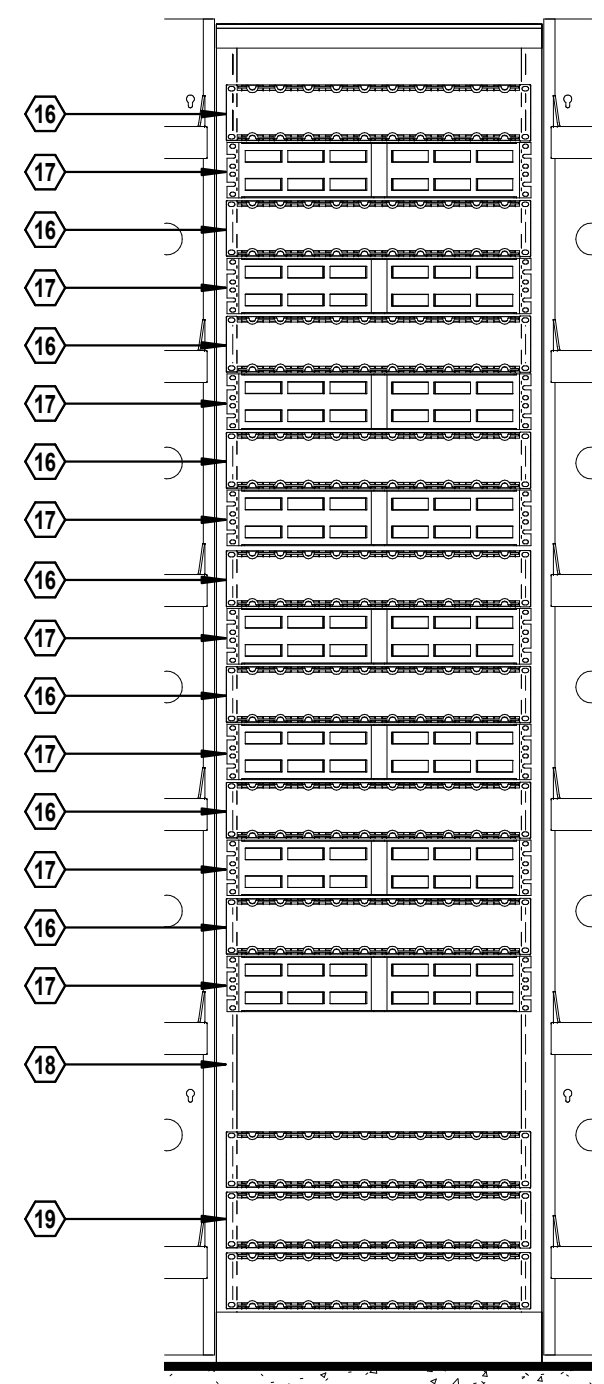
C5 CONDUIT ROUTING SECTION
1/4" = 1'-0"

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

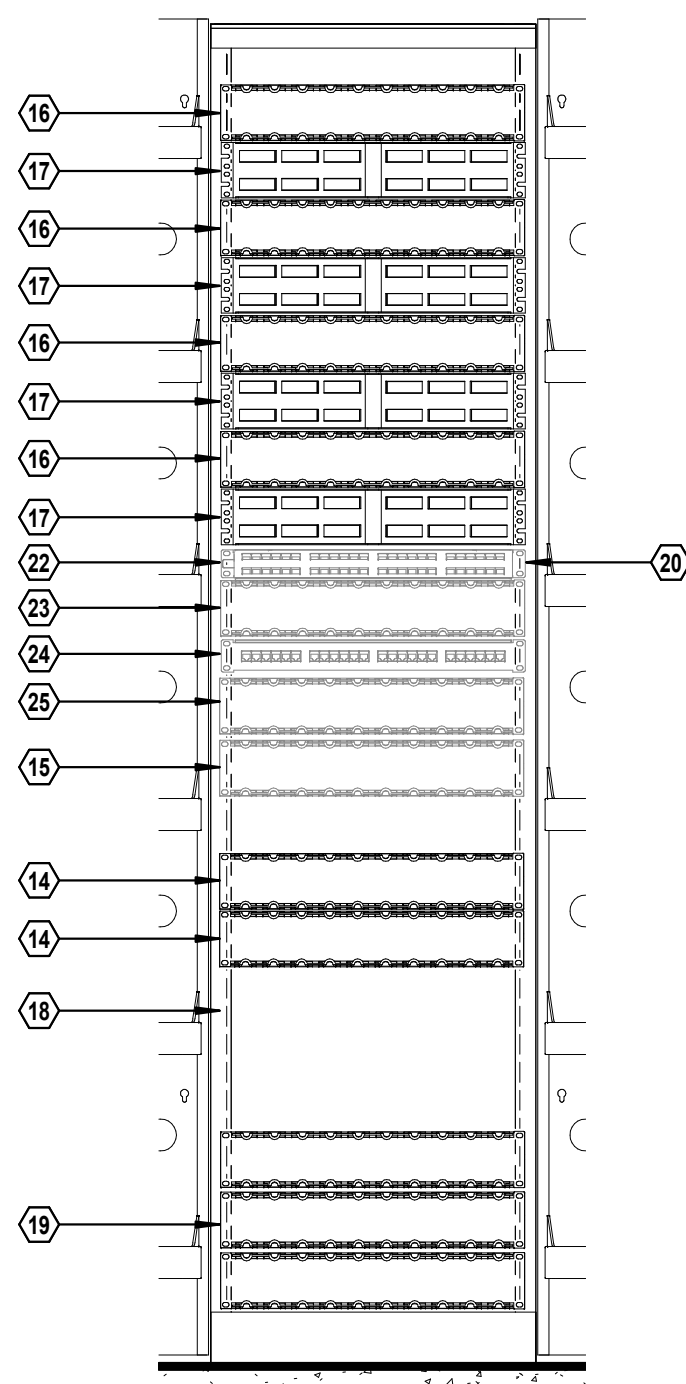
VA DATA/VOIP SWITCH AND PATCH COUNTS		
SWITCH COUNTS:		
POE+ Switches.....	3x48	
Total POE+ Switch ports.....	0x24	144
Patch Panels:		
Patch Panel Ports.....	16x48	
Horiz Cable Management.....	768	16
TERMINATED PATCH PORT COUNTS:		
Data/VOIP Ports.....	591	
Total TCO/Phone ports required.....	591	
AVAILABLE SPARE PATCH PORTS:		
TCO/Phone Ports Required.....	591	
Total Available Patch Ports.....	768	
Available Spare Patch Ports.....	177	



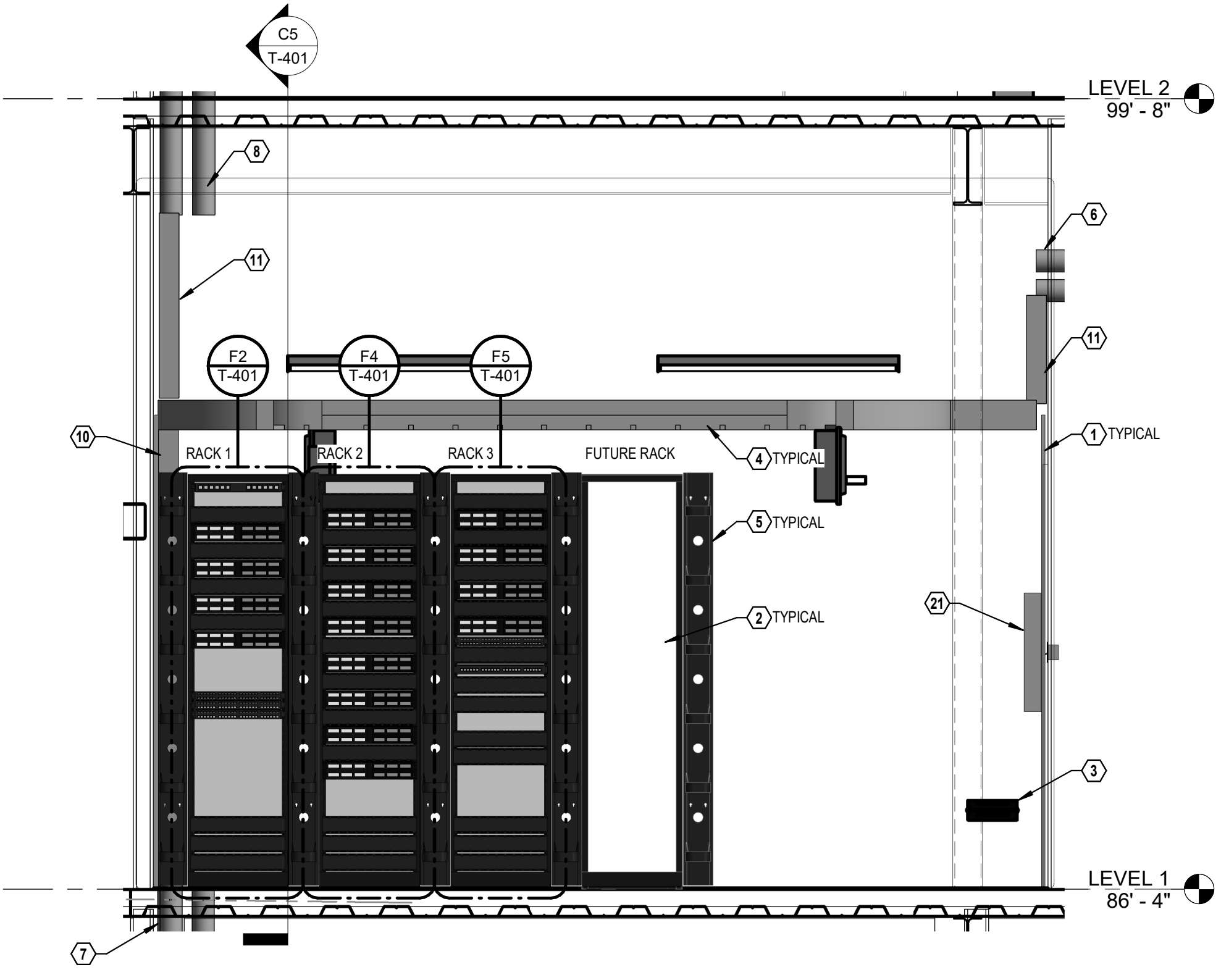
F2 RACK 1 ELEVATION
1" = 1'-0"



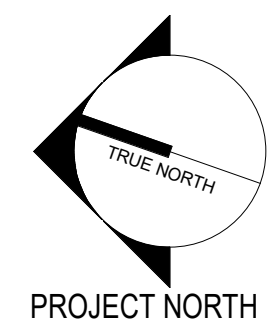
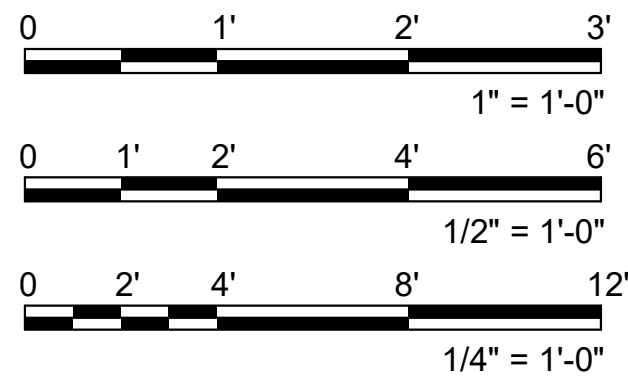
F4 RACK 2 ELEVATION
1" = 1'-0"



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



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



Revisions:	Revision Description	Date:

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VA U.S. Department
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Drawing Title
TELECOM ENLARGED PLANS

Approved:

Phase
**CONSTRUCTION
DOCUMENTS**

FULLY SPRINKLERED

Project Title PROVIDENCE VAMC MENTAL HEALTH PHASE 2	Project Number 650-347
Location PROVIDENCE, RI	Building Number 39
Issue Date FEB 04 2022	Checked JFR
Drawn CVM	Drawing Number T-401

GENERAL NOTES:

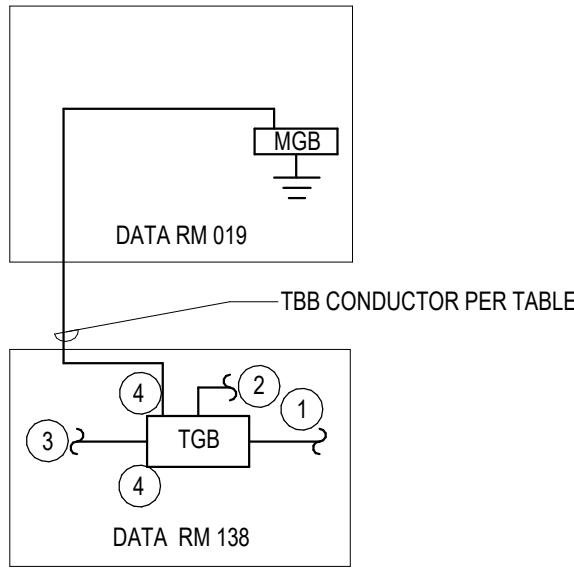
- BONDING CONDUCTOR SHALL BE NO SMALLER THAN #2 CU.
- ALL WORK SHALL COMPLY WITH NEC ARTICLE 250, UL 467, ANSI/TIA TIA-607-C, NECA/IBCSI 607-2011.
- PREPARE BUSBAR SURFACE AS DESCRIBED BELOW:
 - USE AN ABRASIVE PAD, REMOVE ANY DIRT, GREASE, OIL OR OXIDATION THAT IS PRESENT AT THE SURFACE.
 - APPLY THIN COAT OF AN ANTIOXIDANT 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

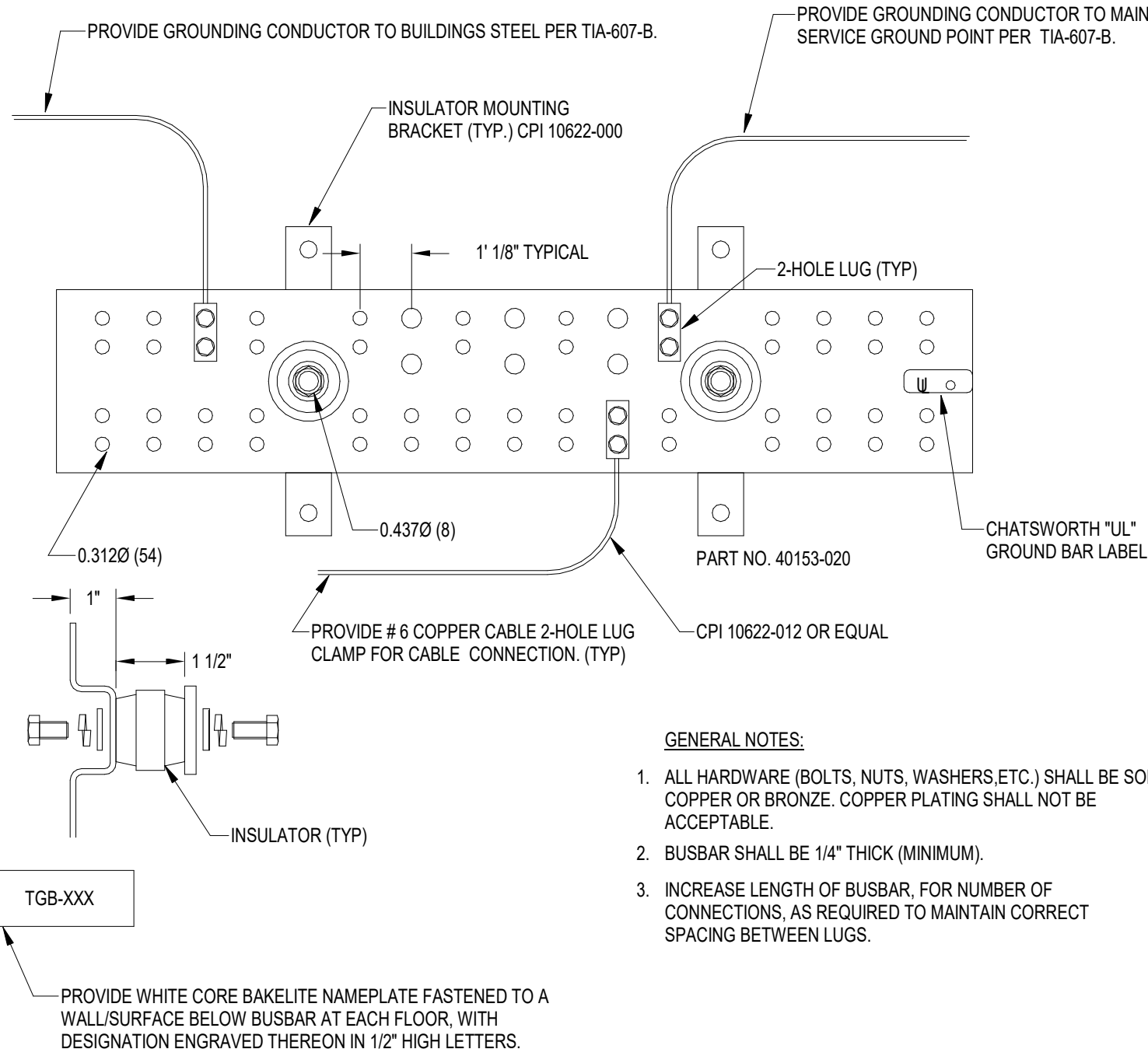
NOTES:

- #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	2/0
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



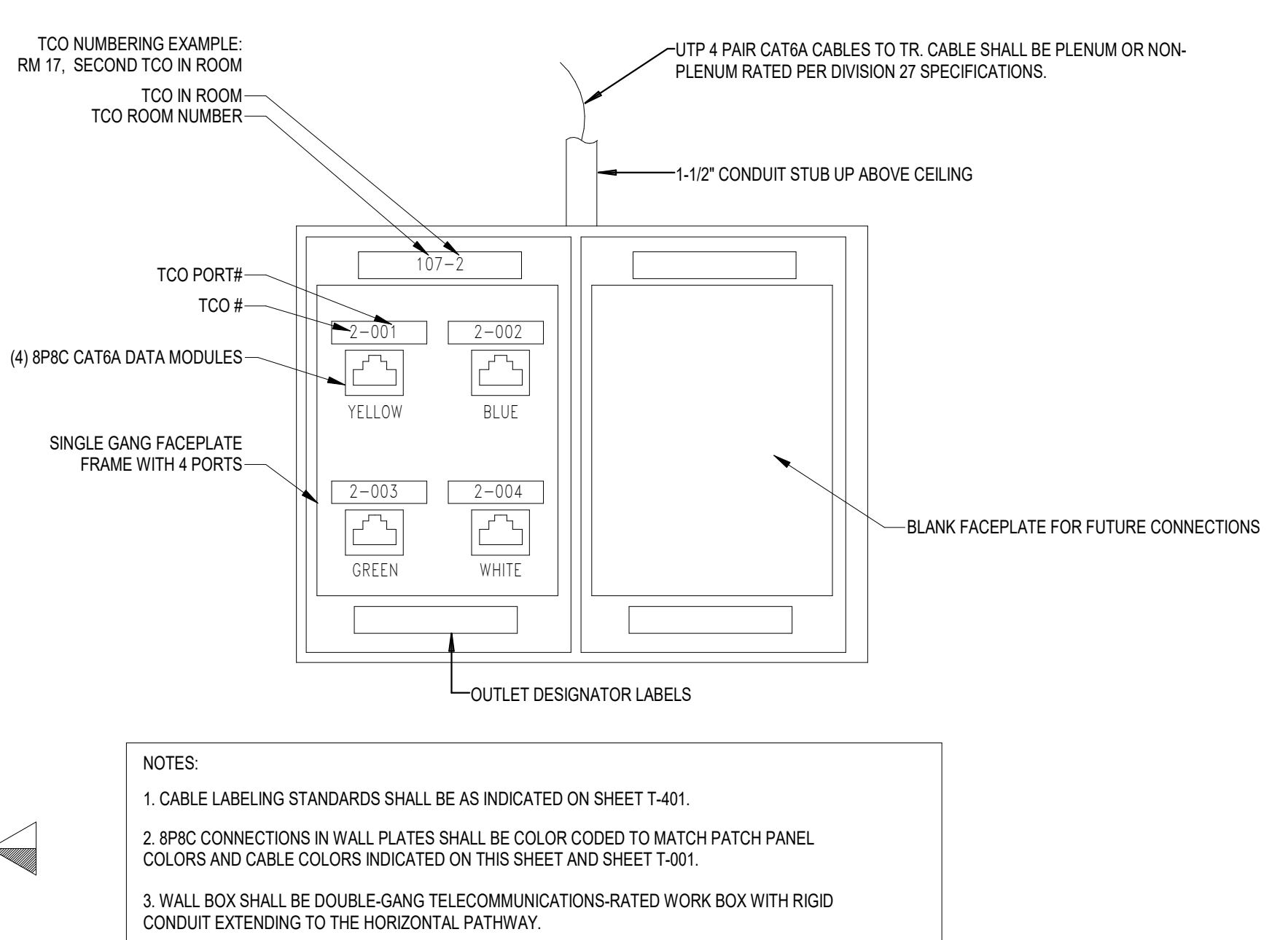
B1 TELECOM GROUNDING RISER DIAGRAM
N.T.S.



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.

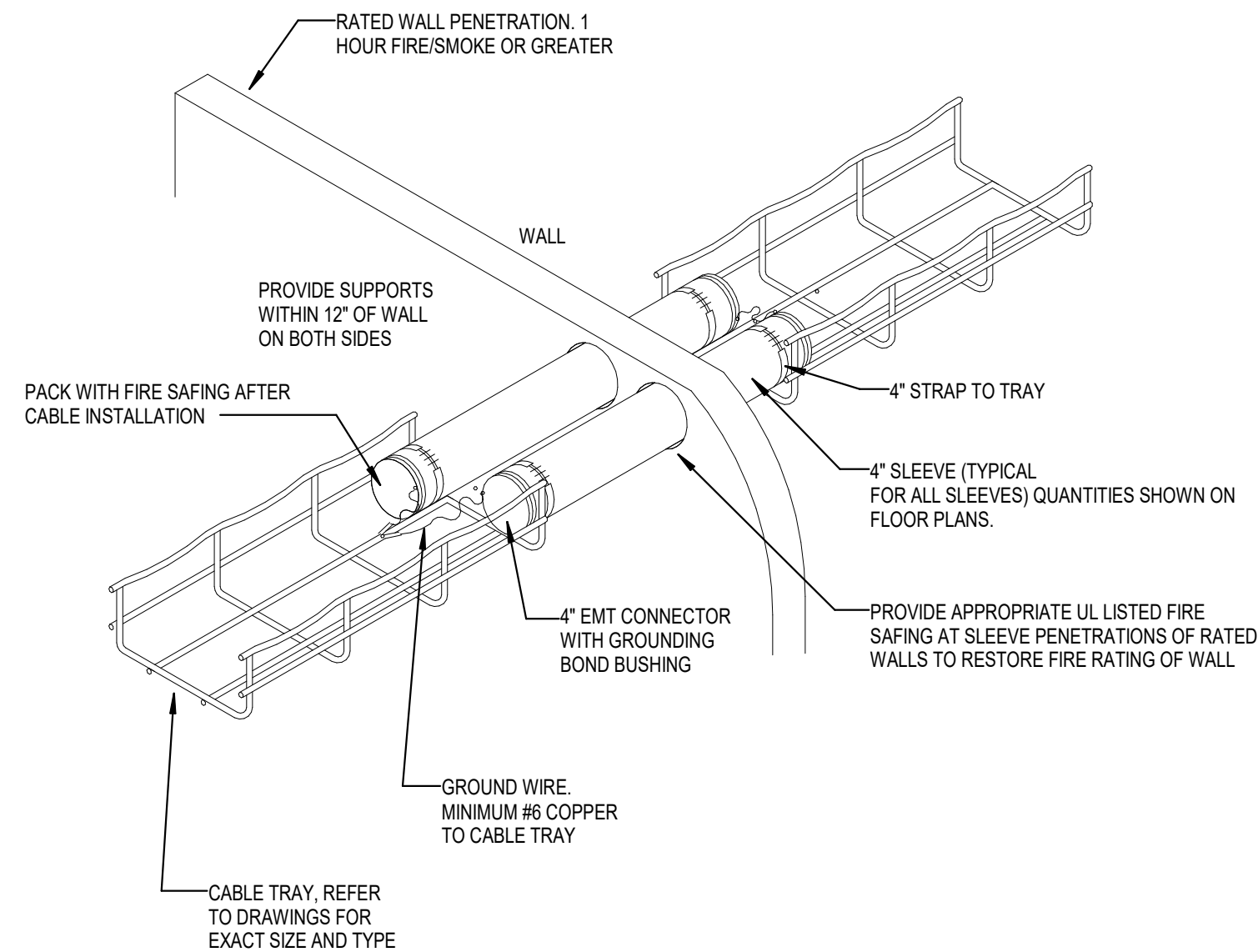
B4 GROUND BUS BAR (TYP FOR ALL TR'S)
N.T.S.



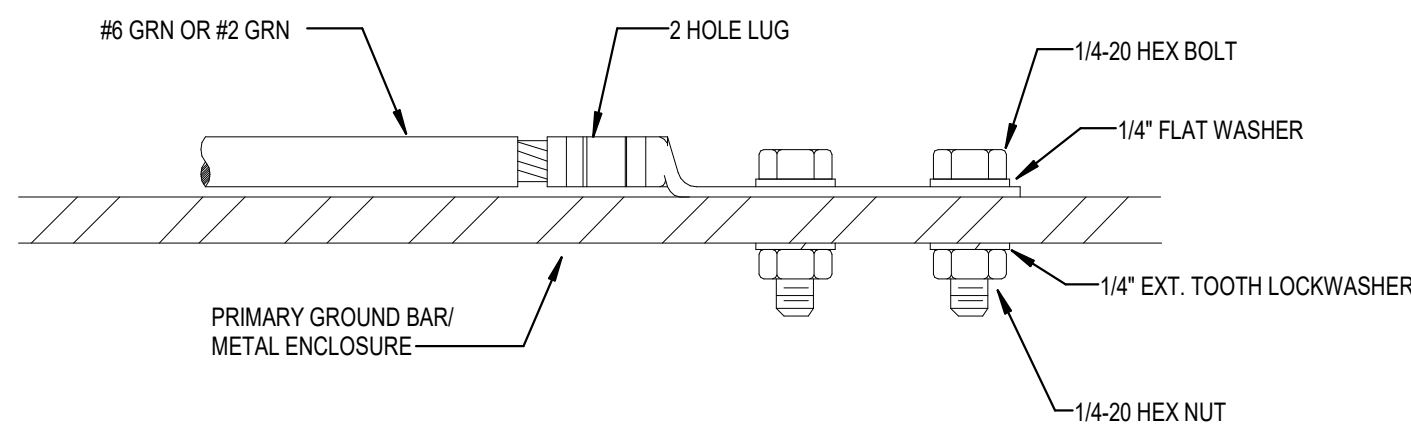
NOTES:

- 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.

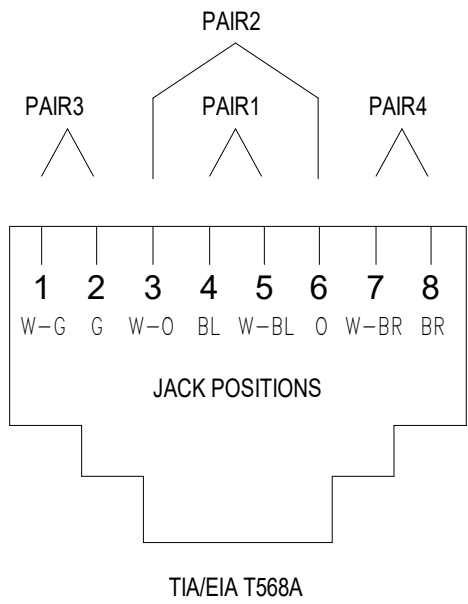


#6 OR #2 GRN TO GROUND BAR OF FLAT SURFACE.
#6 IS USED PRIMARILY AS CABINET TO BUS LINK.

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.

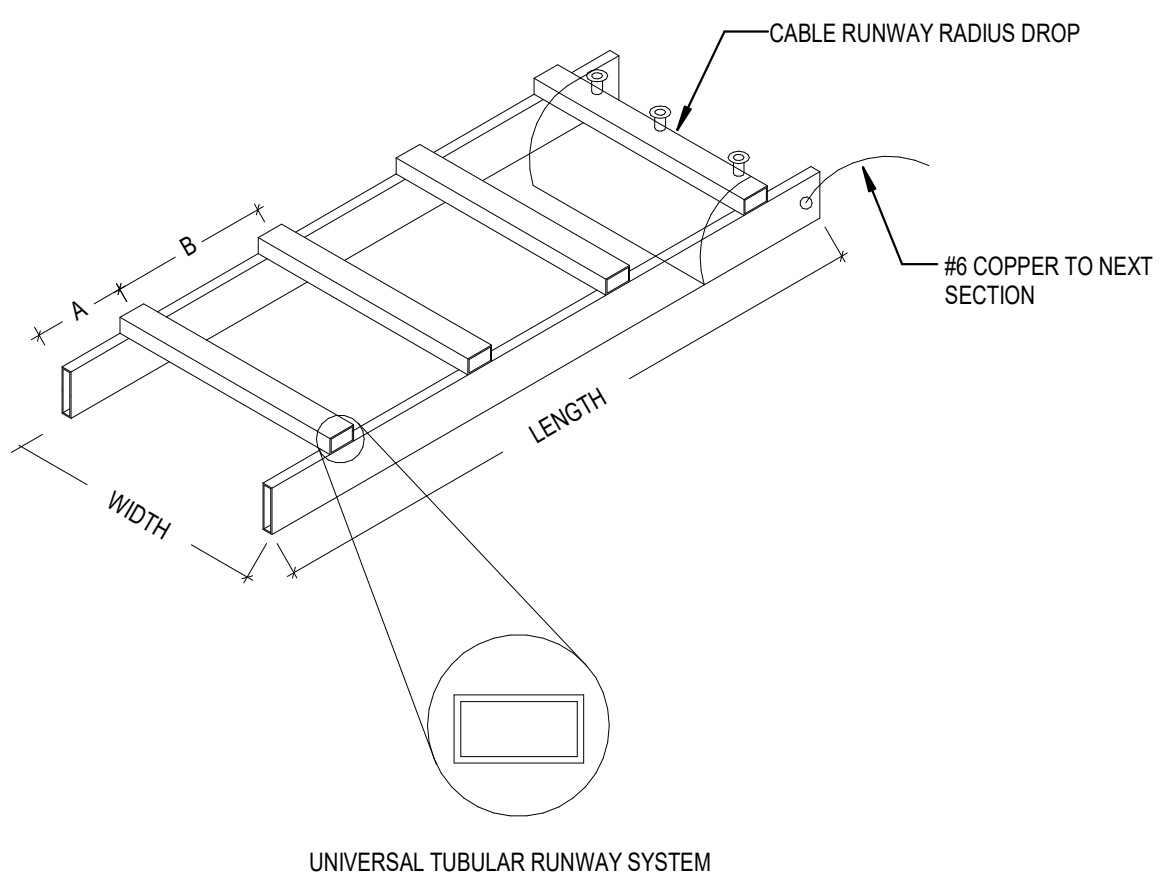


MODULAR JACK WIRING (FRONT VIEW)

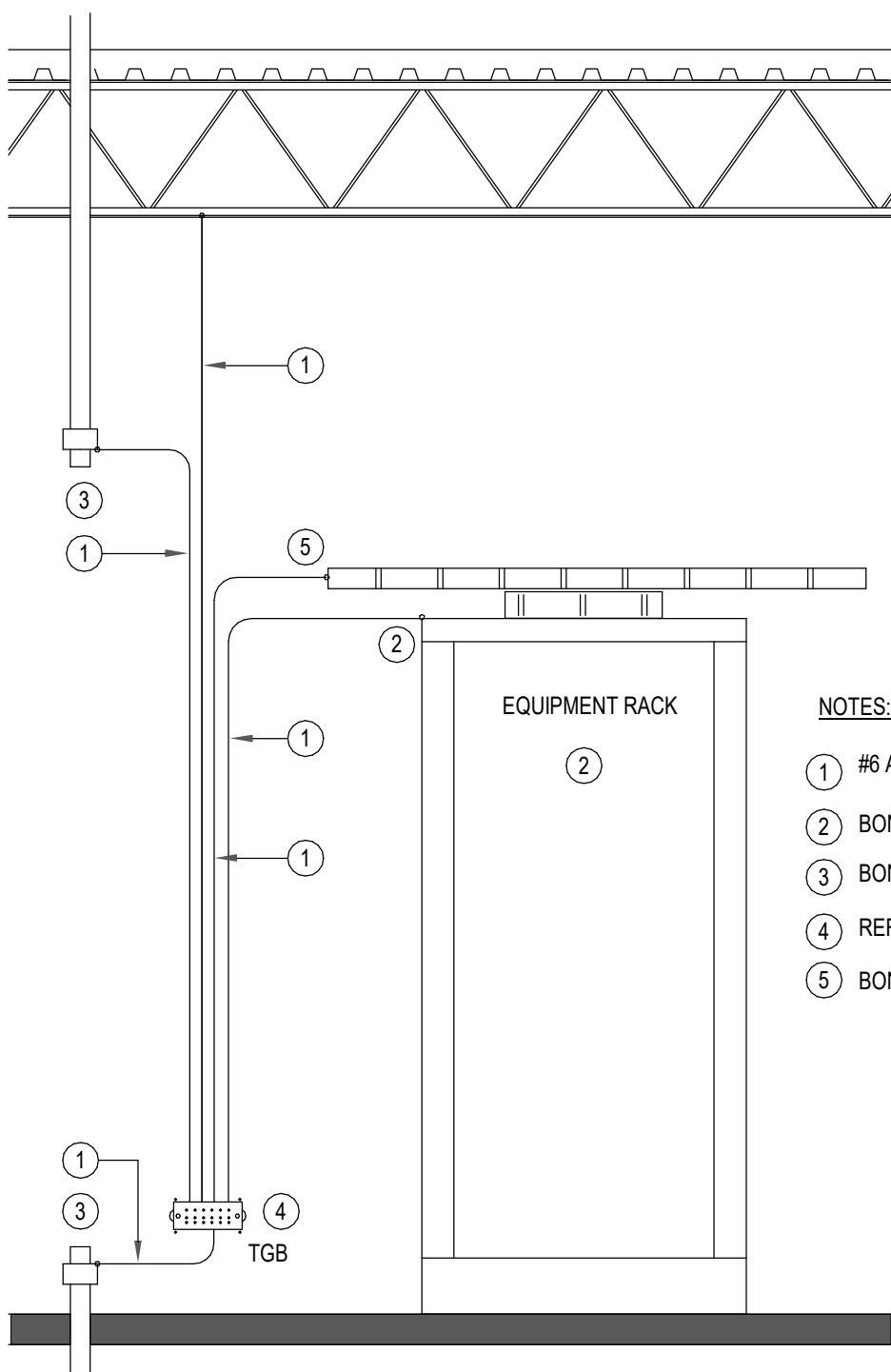
D7 MODULAR JACK WIRING DETAIL
N.T.S.

NOTES:

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



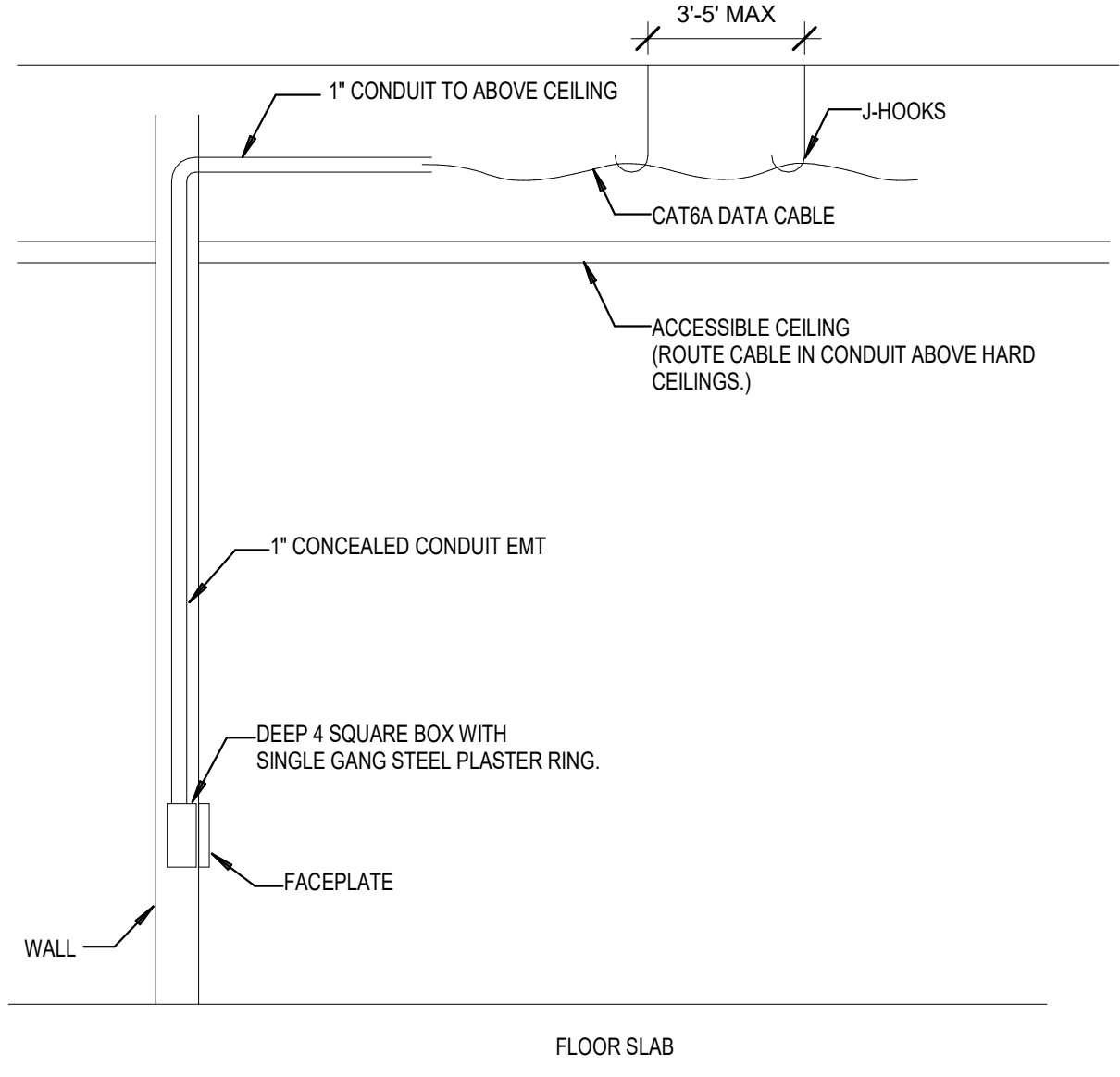
F1 TUBULAR RUNWAY/LADDER RACK IN TR'S
N.T.S.



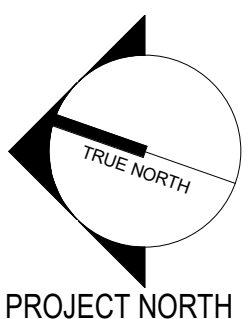
NOTES:

- #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.



Revisions:	Revision Description	Date:

ENGINEER



www.abovegroupinc.com
COA/CA Lic. No. 31120

305 East Dr., Suite H,
Melbourne, Florida 32904
PH: 321.345.9026

ARCHITECT/ENGINEER OF RECORD



WWW.WBRCAE.COM
BANGOR, MAINE: 207-947-4511
PORTLAND, MAINE: 207-838-4511
SARASOTA, FLORIDA: 941-556-0757

STAMP



Christopher H. Van Meter
RCDD Reg. No. 285002

Office of
Construction
and Facilities
Management



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
FEB 04 2022

Checked
JFR

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CVM

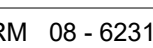
Project Number
650-347

Building Number
39

Drawing Number
T-501



1 (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 VA NETWORK CONNECTION. COORDINATE EXACT TERMINATION POINT WITH VA IT PERSONNEL PRIOR TO CONSTRUCTION.



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Christopher H. Van Meter
RCDD Reg. No. 285002

VA U.S. Department
of Veterans Affairs

Approved:

FULLY SPRINKLERED

	Drawn CVM
--	--------------

T-601

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ELECTRONIC SECURITY GENERAL NOTES:

1. SECURITY SYMBOLS FOR DEVICES AND EQUIPMENT ARE SHOWN AS CLOSE AS POSSIBLE TO INTENDED LOCATION. CONTRACTOR SHALL COORDINATE FINAL LOCATION CAMERAS WITH INTENDED VIEW AND OTHER FURNITURE AND EQUIPMENT IN THE SPACE. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF PANELS AND DEVICES WITH OTHER TRADES.

2. 120V POWER SOURCES AND CONNECTIONS SHALL BE COORDINATED WITH DIVISION 26.

3. FIBER CONNECTIONS AND ROUTING SHALL BE COORDINATED WITH DIVISION 27.

4. COORDINATE LOCATION OF ALL DEVICES IN MILLWORK OR WALL-MOUNTED DEVICES WITH OTHER TRADES.

5. CAMERAS INSTALLED IN AREAS WITH NON-FINISHED CEILINGS SHALL BE MOUNTED DIRECTLY TO WALLS OR STRUCTURAL MEMBERS OR TO DECK ABOVE WITH PENDANT MOUNT, IF NECESSARY TO ATTAIN REQUIRED VIEW.

6. EXTERIOR CAMERAS SHALL BE IP66 RATED OR BETTER FOR WEATHER PROTECTION. EXTERIOR CAMERAS SHALL BE IK10 RATED FOR VANDAL RESISTANCE.

7. INTERIOR CAMERAS IN PUBLIC SPACES SHALL BE IK10 RATED FOR VANDAL RESISTANCE.

8. IP CAMERA CABLING SHALL BE CATEGORY 6e UTP, PLENUM RATED. CABLES SHALL BE BUNDLED AND ROUTED THRU FACILITY AND TERMINATED AT POINT INDICATED. DO NOT BUNDLE VIDEO DATA CABLES WITH CABLES CARRYING OTHER TYPES OF DATA. VIDEO DATA CABLES SHALL NOT EXCEED 295' IN LENGTH.

9. LOW VOLTAGE CONTROL WIRING SHALL BE AT LEAST AWG 16 GA. STRANDED CMP, WITH SIZING AS REQUIRED FOR VOLTAGE DROP CALCULATIONS.

10. RS-232 AND RS-485 WIRING SHALL BE AT LEAST AWG 22 GA. STRANDED CMP, WITH SIZING AS REQUIRED FOR PARTICULAR INSTALLATION.

11. LOCK CABLES SHALL BE BUNDLED CONTROL AND LOW VOLTAGE CABLE.

12. ALL SECURITY SYSTEM WIRING SHALL BE INSTALLED IN DEDICATED CONDUITS, CONDUITS SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH NFPA 70 AND PROJECT SPECIFICATIONS, ALL CONDUITS SHALL BE A MINIMUM OF 3/4" UNLESS OTHERWISE NOTED.

13. ALL CONDUITS/RACEWAYS SHALL BE INSTALLED IN A MANNER THAT PREVENTS TAMPERING OR REMOVAL WHEN INSTALLED IN AREAS EXPOSED TO THE GENERAL POPULATION. PROVIDE
- TAMPER-RESISTANT INSTALLATION UTILIZING TAMPER-PROOF SECURITY-FASTENING DEVICES FOR ALL CONDUITS/RACEWAYS, EQUIPMENT, DEVICES AND APPURTENANCES IN ALL AREAS ACCESSIBLE TO THE GENERAL POPULATION AND/OR AREAS SUBJECTED TO TAMPERING OR VANDALISM.

14. SECURITY SYSTEM WIRING AND CONDUITS SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF IEEE, EIA, NEC, AND OTHER APPLICABLE CODES AND REGULATIONS.

15. PROVIDE EQUIPMENT CLEARANCES REQUIRED BY NEC AND IN MANNER THAT ALLOWS ACCESS FOR MAINTENANCE.

16. PROPERLY GROUND ALL EQUIPMENT, RACKS, CABINETS, CONDUITS AND CABLE SHIELDS IN ACCORDANCE WITH ALL REQUIREMENTS OF THE NFPA 70 AND EQUIPMENT MANUFACTURER.

17. ALL SURGE PROTECTION AND GROUNDING SHALL BE IN ACCORDANCE WITH ALL REQUIREMENTS OF THE EQUIPMENT MANUFACTURER, NEC, IEEE AND TIA/EIA.

18. WHERE EQUIPMENT AND/OR JUNCTION BOXES ARE INSTALLED ABOVE FINISHED HARD CEILINGS, THE CONTRACTOR SHALL PROVIDE ACCESS HATCHES LISTED FOR THE INTENDED APPLICATION. ACCESS HATCHES SHALL BE LOCATED SO THAT SERVICE ACCESS TO THE EQUIPMENT AND/OR JUNCTION BOX SHALL BE WITHIN 3 FEET OF ACCESS HATCH ACCESS TO ALL JUNCTION BOXES AND EQUIPMENT IS UNIMPEDED.

19. ALL PENETRATIONS OF WALLS AND/OR FLOORS SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE ASTM AND NFPA REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE-RATED CONSTRUCTION IDENTIFICATION. INSTALLATION OF FIRE-STOPS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S DETAILED INSTALLATION PROCEDURES.

20. PROVIDE THE PROPER INTERFACE BETWEEN THE BUILDING FIRE ALARM SYSTEMS AND ALL ACCESS CONTROLLED DOORS AS REQUIRED BY APPLICABLE LIFE SAFETY CODES AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

21. ALL COMPONENTS, DEVICES, OR SYSTEMS EQUIPMENT EXPOSED TO THE GENERAL POPULATION SHALL BE INSTALLED IN SECURED EQUIPMENT ENCLOSURES WITH TAMPER SWITCHES AND INSTALLED IN SUCH A MANNER THAT RESISTS TAMPERING AND/OR REMOVAL WITHOUT THE USE OF SPECIALIZED TOOLS.

22. ALL CONTROL EQUIPMENT AND EXTERIOR DEVICES MUST HAVE TRANSIENT PROTECTION TO COMPLY WITH UL AND NFPA 70 REQUIREMENTS.

- X

IP CAMERA - X=TYPE NUMBER
- GLASS BREAK SENSOR
- MOTION DETECTOR
- EMERGENCY PHONE
- DOOR CONTACT
- CARD READER
- CARD READER w/ PIN PAD
- REQUEST TO EXIT
- PUSH BUTTON
MOUNT(M) D=DESK W=WALL
TECH(T) P=PANIC D=DURESS
- ACCESS CONTROL PANEL
- BURGLAR ALARM PANEL

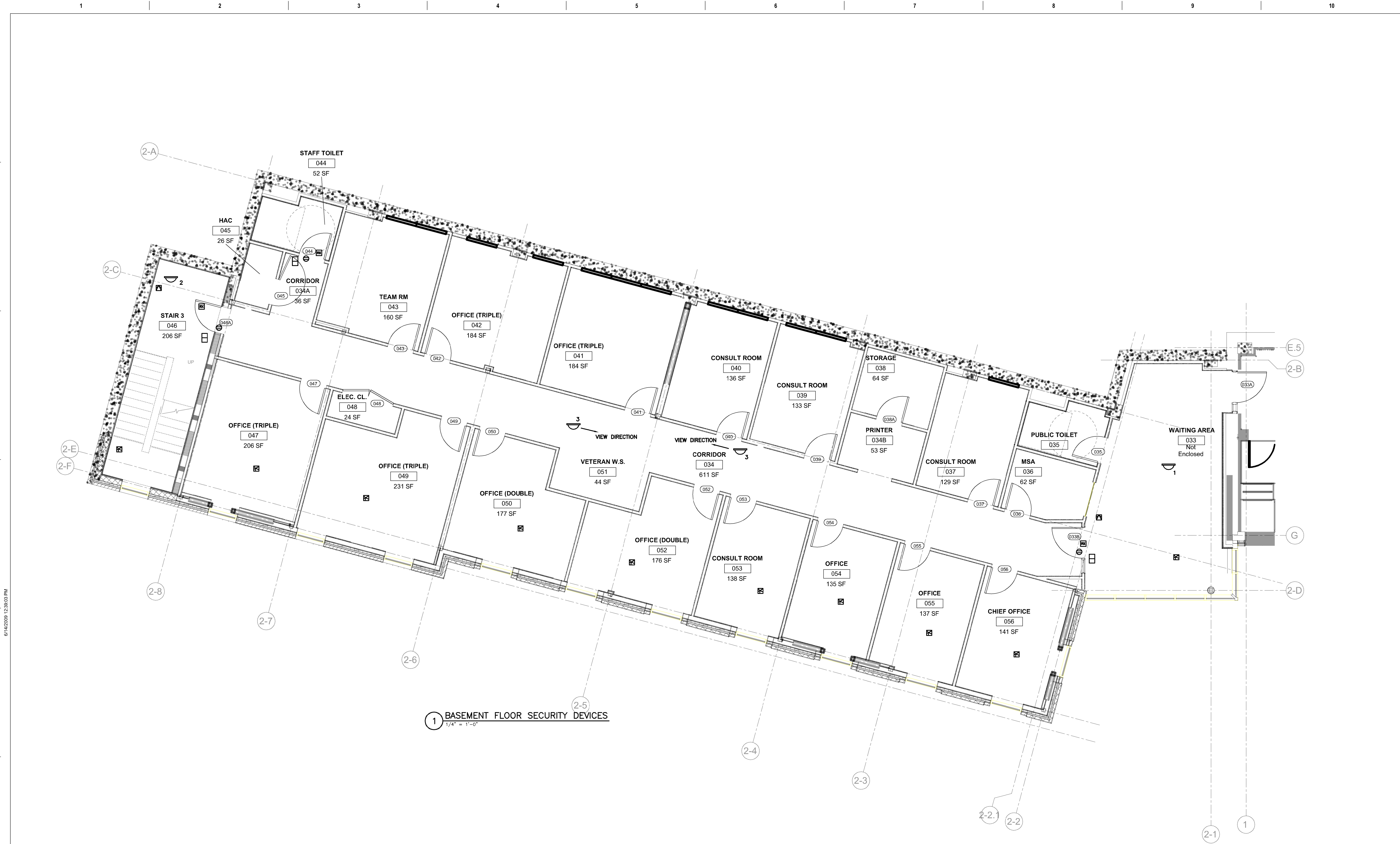
2 SECURITY DEVICE SYMBOL LEGEND
N.T.S.

1 ELECTRONIC SECURITY GENERAL NOTES
N.T.S.

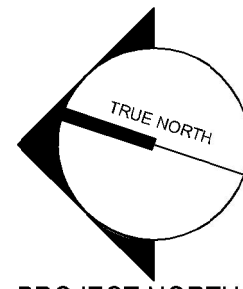


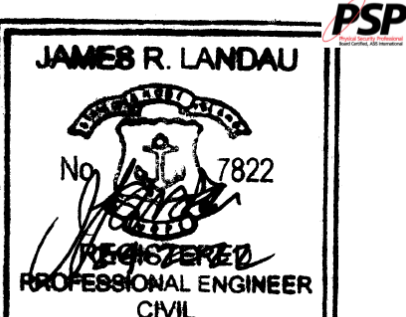

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	Revisions:	Date:									
							Approved:	FULLY SPRINKLERED	830 CHALKSTONE AVE. PROVIDENCE, RI	EY001	
									Issue Date	Checked	Drawn
									FEB 04, 2022	JRL	JL



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

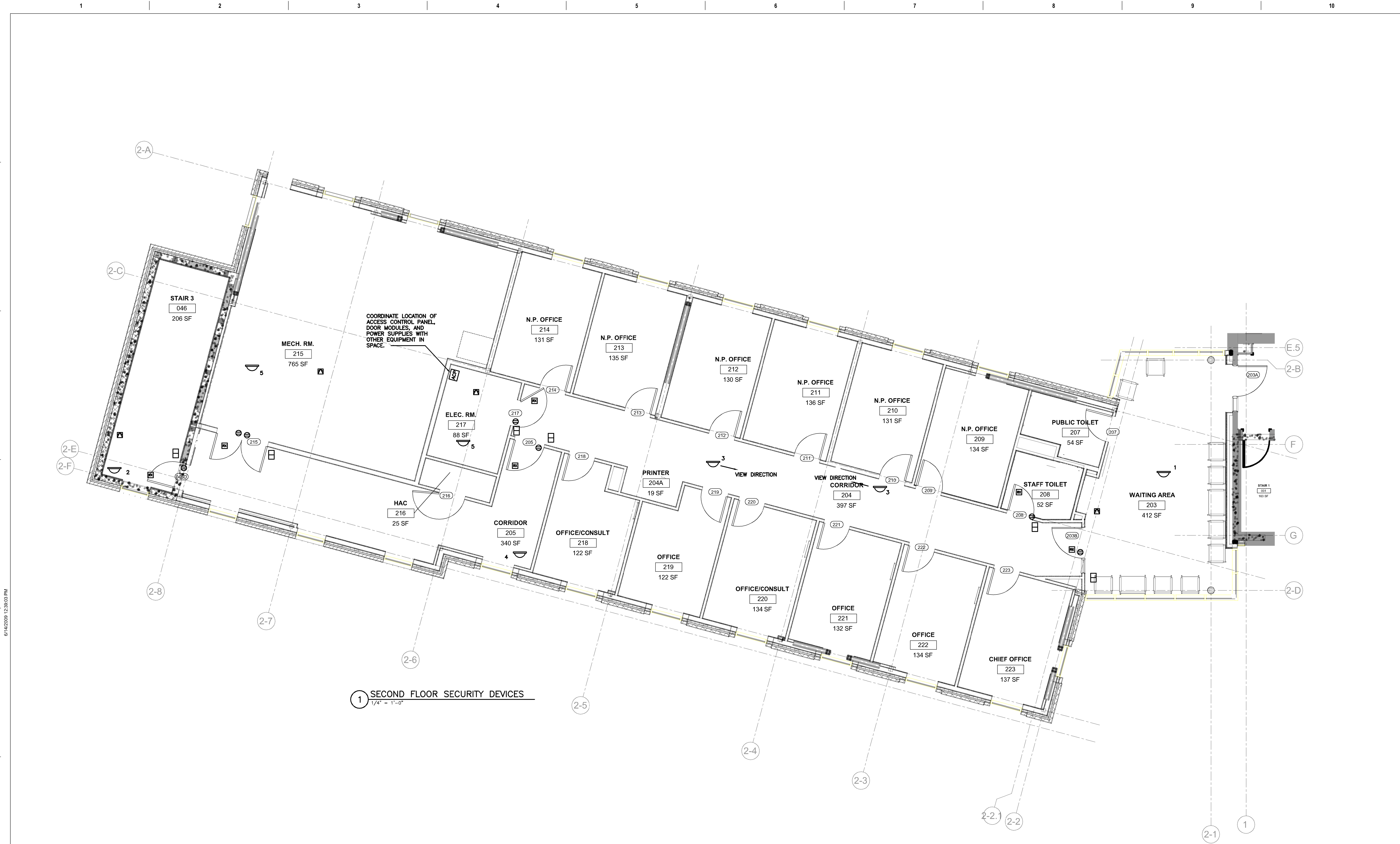
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	Revisions:	Date:					Approved:	FULLY SPRINKLERED	Location 830 CHALKSTONE AVE. PROVIDENCE, RI	Building Number 39
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									Checked JRL	Drawn JL

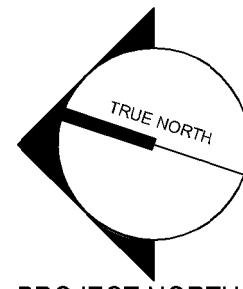

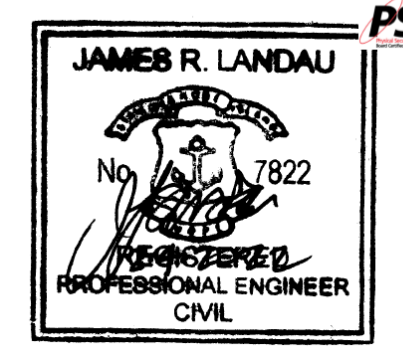



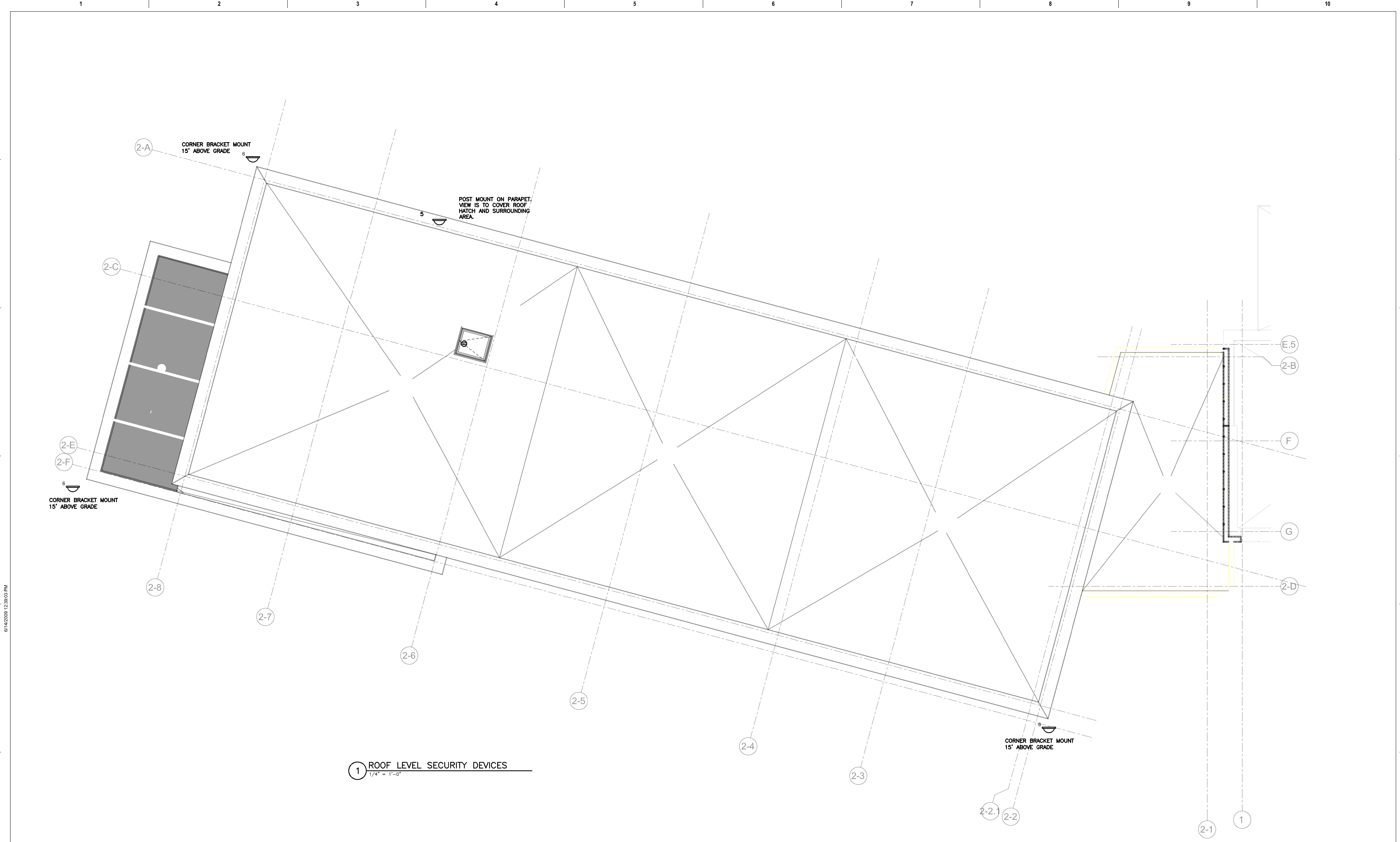
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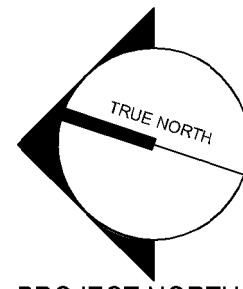

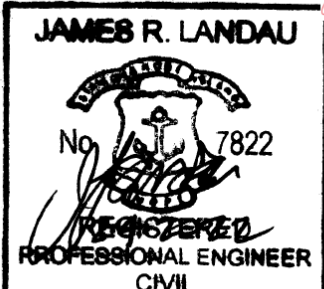
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VA FORM 08-6231



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		Revisions:	Date:																			
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 PROJECT NORTH			CONSULTANT  JAMES LANDAU PE LLC 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 207-826-4511 SARASOTA, FLORIDA 941-556-0757	STAMP  JAMES R. LANDAU No. 7822 PROFESSIONAL ENGINEER CIVIL	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title SECURITY DEVICES - ROOF PLAN	Phase CONSTRUCTION DOCUMENTS	Project Title NEW MENTAL HEALTH BUILDING - PHASE 2	Project Number 650-347
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										Drawing Number EY104

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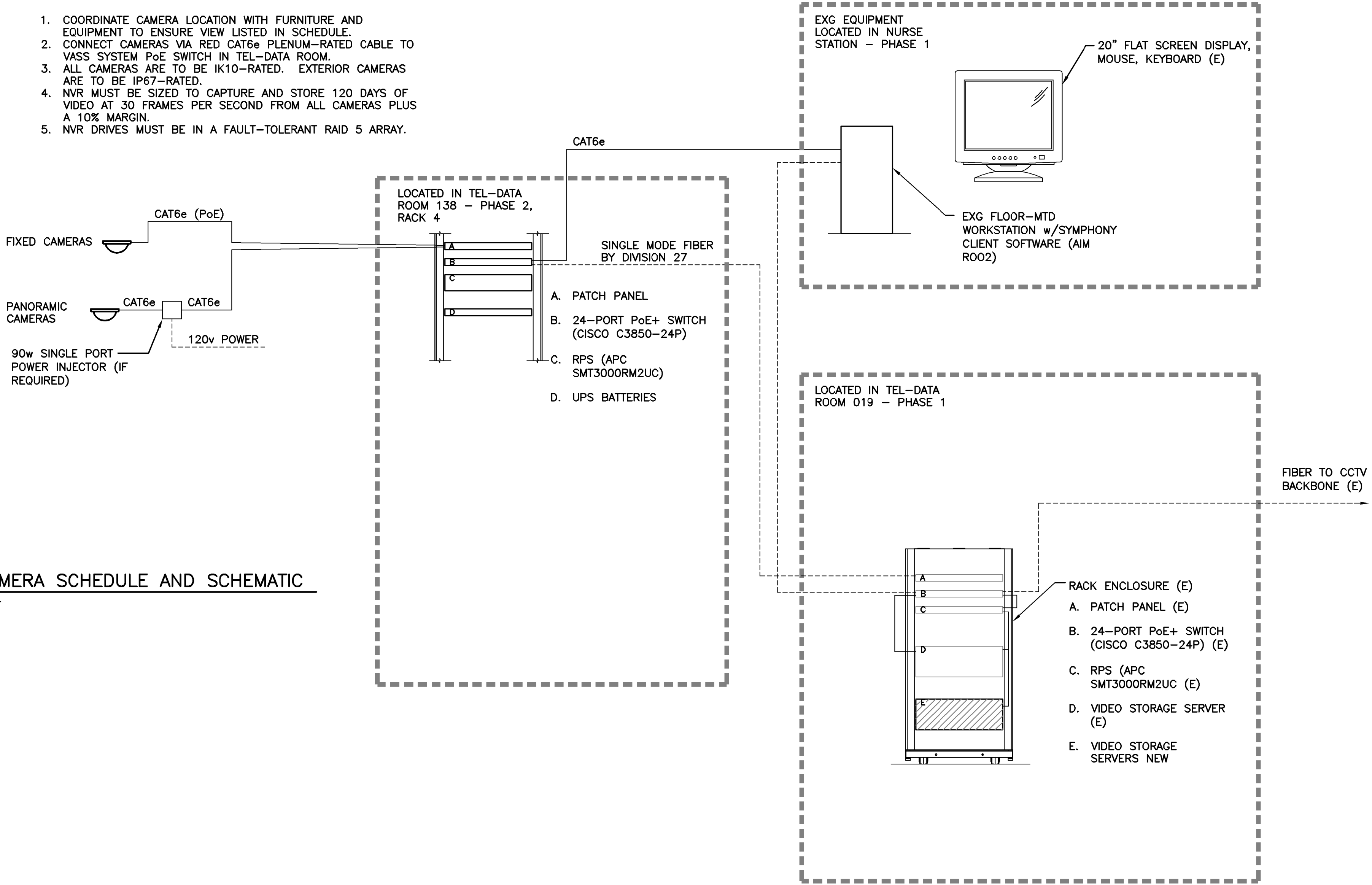
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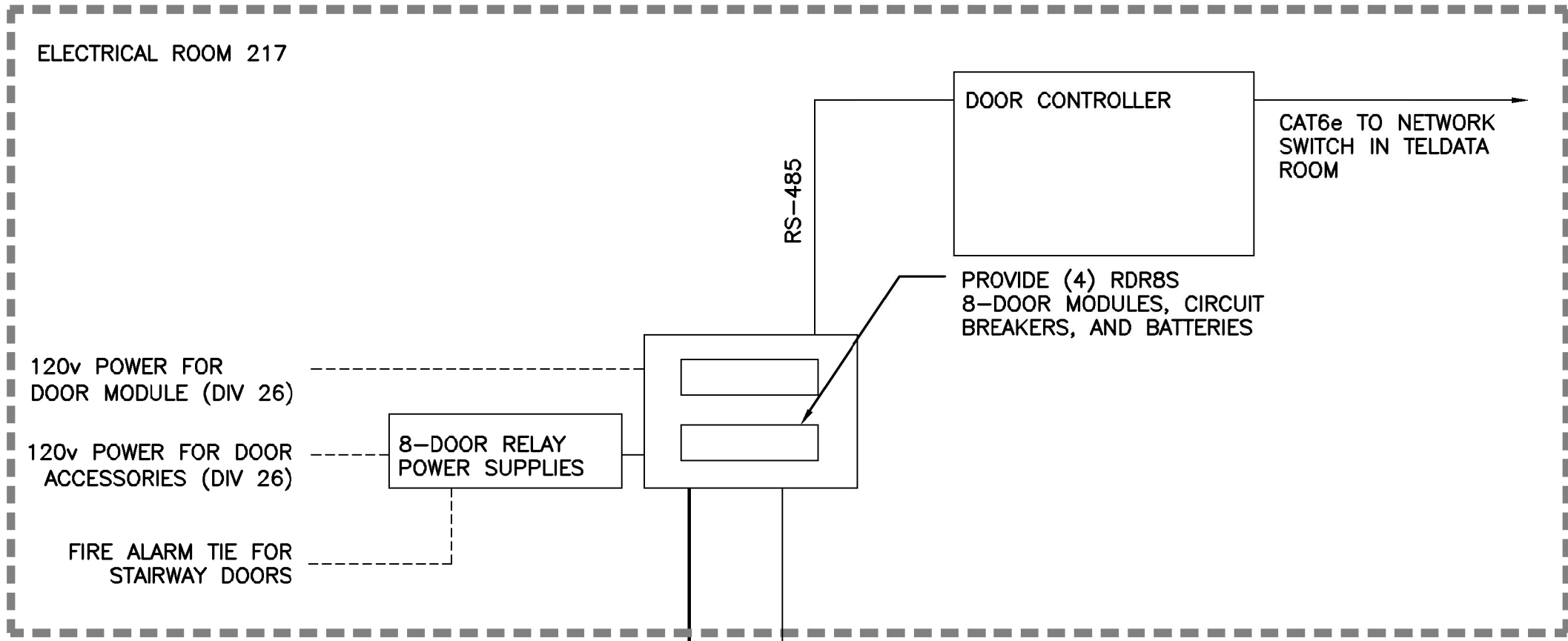
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CAMERA TYPE	BODY TYPE	RESOLUTION	DAY/NIGHT	MOUNTING	FOCAL TYPE	LENS	SENSOR SIZE	VIEW DESCRIPTION	BASIS OF DESIGN CAMERA MODEL
1	DOME	4x3MP	Y	CEILING	FIXED	4 x 2.7mm	4 x 1/3.2"	360 DEGREE VIEW OF SPACE	PELCO OPTERA IMM 360
2	DOME	3MP	Y	WALL	VARIFOCUS	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.

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<div>VA FORM 08 - 6231</div>	<div>Revisions:</div>	<div>Date:</div>	<div>CONSULTANT</div> <div><div><div></div><div>JAMES LANDAU PE PLLC 72 Snowberry Drive South Portland, ME 04106 508-988-5089</div></div></div>	<div>ARCHITECT/ENGINEER OF RECORD</div> <div><div><div>WBRC</div><div>ARCHITECTS • ENGINEERS</div></div><div><div>WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-826-4511 SARASOTA, FLORIDA 941-556-0757</div></div></div>	<div>STAMP</div> <div><div><div>JAMES R. LANDAU</div><div>PROFESSIONAL ENGINEER CIVIL</div></div></div>	<div>Office of Construction and Facilities Management</div> <div><div>VA</div><div>U.S. Department of Veterans Affairs</div></div>	<div>Drawing Title</div> <div>SECURITY DEVICES - SCHEMATICS AND SCHEDULES</div> <div>Approved:</div>	<div>Phase</div> <div>CONSTRUCTION DOCUMENTS</div> <div>FULLY SPRINKLERED</div>	<div>Project Title</div> <div>NEW MENTAL HEALTH BUILDING - PHASE 2</div> <div>Location</div> <div>830 CHALKSTONE AVE. PROVIDENCE, RI</div> <div>Issue Date</div> <div>FEB 04, 2022</div> <div>Checked</div> <div>JRL</div> <div>Drawn</div> <div>JL</div>	<div>Project Number</div> <div>650-347</div> <div>Building Number</div> <div>39</div> <div>Drawing Number</div> <div>EY501</div>
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