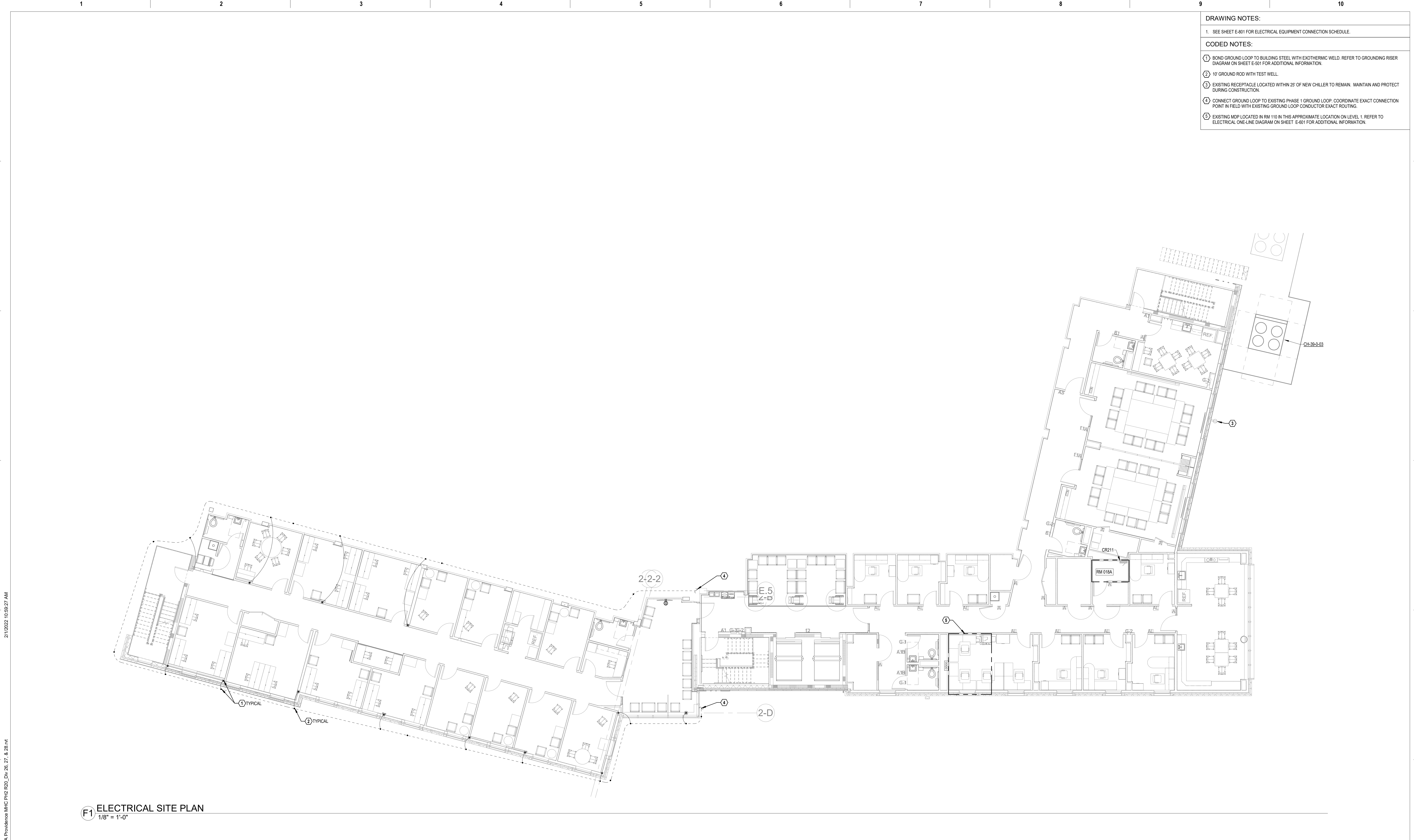


A

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F**F**



- DRAWING NOTES:**
1. SEE SHEET E-801 FOR ELECTRICAL EQUIPMENT CONNECTION SCHEDULE.
- CODED NOTES:**
- ① BOND GROUND LOOP TO BUILDING STEEL WITH EXOTHERMIC WELD. REFER TO GROUNDING RISER DIAGRAM ON SHEET E-801 FOR ADDITIONAL INFORMATION.
- ② 10' GROUND ROD WITH TEST WELL.
- ③ EXISTING RECEPTACLE LOCATED WITHIN 25' OF NEW CHILLER TO REMAIN. MAINTAIN AND PROTECT DURING CONSTRUCTION.
- ④ CONNECT GROUND LOOP TO EXISTING PHASE 1 GROUND LOOP. COORDINATE EXACT CONNECTION POINT IN FIELD WITH EXISTING GROUND LOOP CONDUCTOR EXACT ROUTING.
- ⑤ EXISTING MDP LOCATED IN RM 110 IN THIS APPROXIMATE LOCATION ON LEVEL 1. REFER TO ELECTRICAL ONE-LINE DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.

F1 ELECTRICAL SITE PLAN
1/8" = 1'-0"



Revisions:	Revision Description	Date:

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

Drawing Title
ELECTRICAL SITE PLAN

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
SDL

Project Number
650-347

Building Number
39

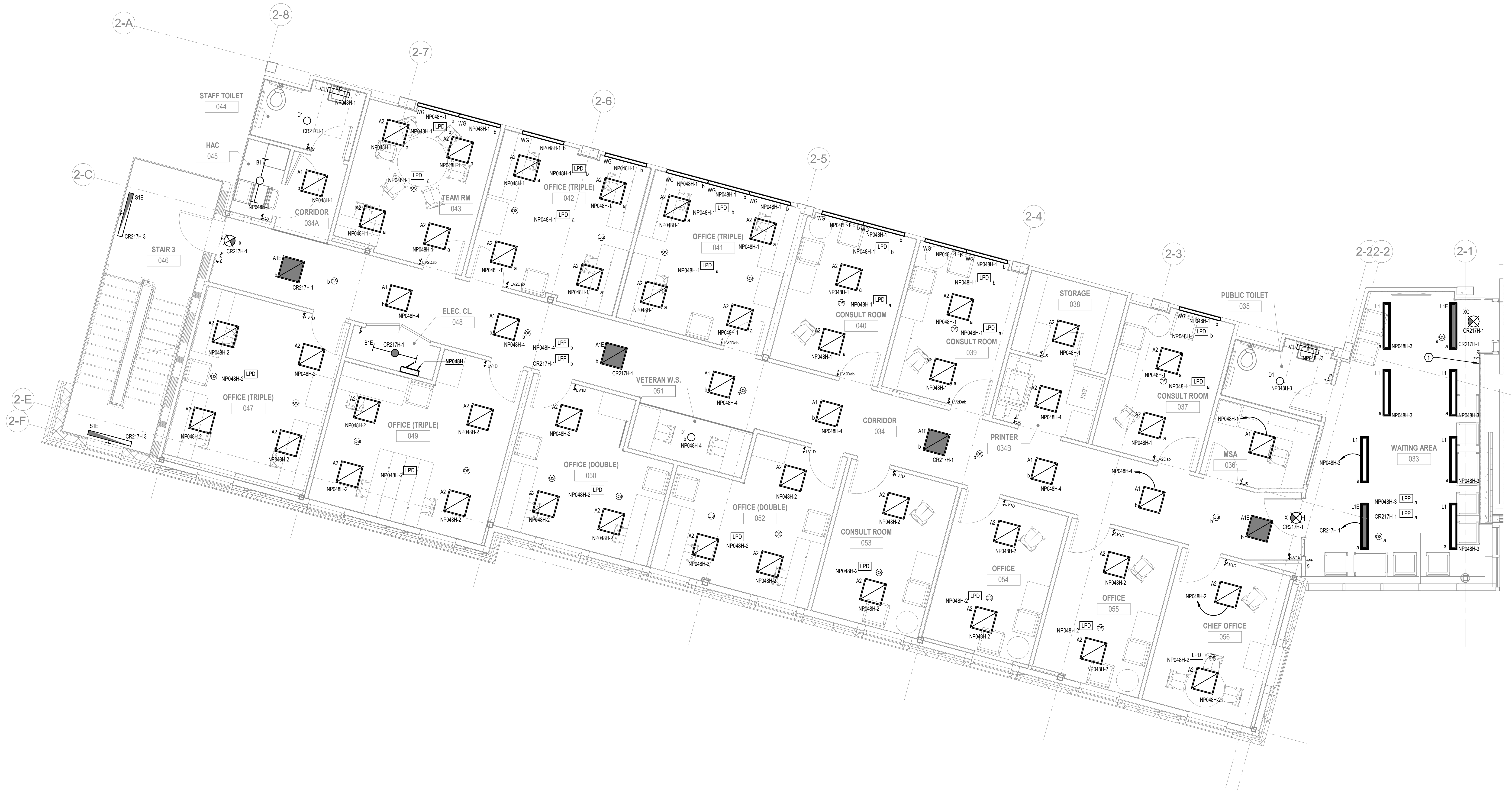
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E-100

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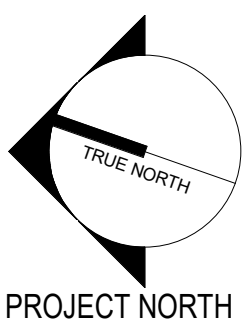
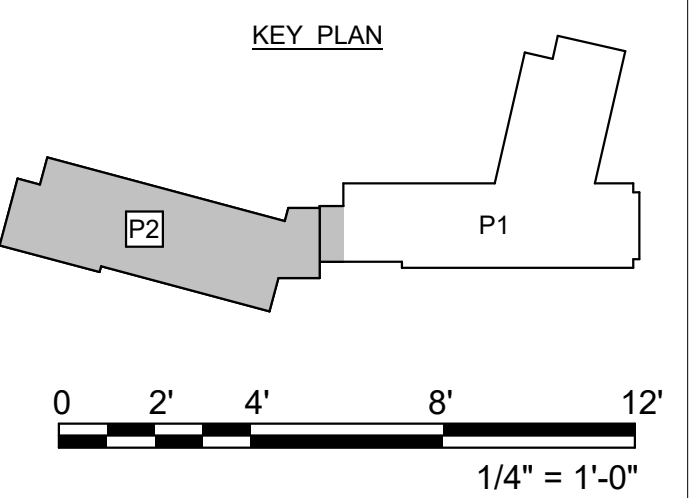
1. LIFE SAFETY LIGHTING SHALL BE ADDRESSED THROUGH INTEGRAL BATTERY BACKUP. ALL LIGHTING FIXTURES SHALL BE CONTROLLED BY LOCAL LIGHTING CONTROLS.
2. STAIRWELLS SHALL BE CONTROLLED BY INTEGRAL OCCUPANCY SENSING LIGHTING FIXTURES.
3. ALL EMERGENCY LIFE SAFETY LIGHTING FIXTURES AND EXIT SIGNS SHALL BE PROVIDED WITH A SEPARATE UNSWITCHED PHASE CONDUCTOR FOR POWER OUTAGE SENSING.

CODED NOTES:

① COORDINATE EXACT LOCATION OF DEVICES ON THIS WALL WITH ARCHITECTURAL WALL PANELING PRIOR TO CONSTRUCTION.



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



Revisions:
Date:

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VA

U.S. Department
of Veterans Affairs

Drawing Title

LEVEL B PLAN - LIGHTING

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
SDL

Project Number

650-347
Building Number
39

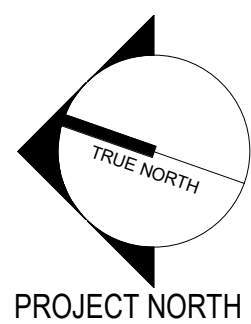
Drawing Number

EL201

- DRAWING NOTES:
- LIFE SAFETY LIGHTING SHALL BE ADDRESSED THROUGH INTEGRAL BATTERY BACKUP. ALL LIGHTING FIXTURES SHALL BE CONTROLLED BY LOCAL LIGHTING CONTROLS.
 - STAIRWELLS SHALL BE CONTROLLED BY INTEGRAL OCCUPANCY SENSING LIGHTING FIXTURES.
 - ALL EMERGENCY LIFE SAFETY LIGHTING FIXTURES AND EXIT SIGNS SHALL BE PROVIDED WITH A SEPARATE UNSWITCHED PHASE CONDUCTOR FOR POWER OUTAGE SENSING.
- CODED NOTES:
- DAYLIGHT RESPONSIVE ZONE PER THE 2015 IECC. LIGHT FIXTURES WITHIN DAYLIGHT-RESPONSIVE ZONE SHALL BE CONTROLLED BY PHOTO SENSOR(S). DAYLIGHT-RESPONSIVE ZONE LIGHTING CONTROL SHALL COMPLY WITH SECTION C405.2.3 OF THE 2015 IECC.
 - PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSOR WITH AUTOMATIC DAYLIGHT / DIMMING CONTROL OPTION.
 - EXTERIOR LIGHTING FIXTURES SHALL BE CONTROLLED BY COMBINATION TIME-CLOCK AND PHOTOCELL. THE TIME-CLOCK SHALL BE AN ASTRONOMICAL TIMECLOCK CAPABLE OF 7-DAY SCHEDULES AND PRE-SET HOURS. BASIS OF DESIGN IS NSI #DGLC100A-NC.



F1 LEVEL 1 PLAN - LIGHTING
1/4" = 1'-0"



Revisions:	Revision Description	Date:

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Drawing Title
LEVEL 1 PLAN - LIGHTING

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
SDL

Project Number
650-347

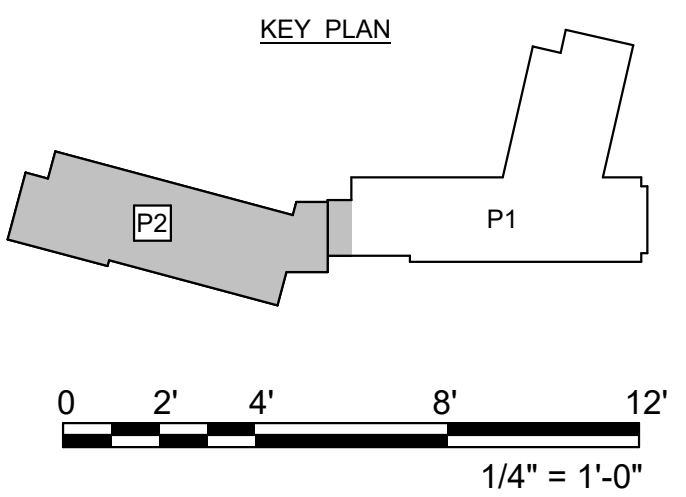
Building Number
39

Drawing Number
EL202

- DRAWING NOTES:
1. LIFE SAFETY LIGHTING SHALL BE ADDRESSED THROUGH INTEGRAL BATTERY BACKUP. ALL LIGHTING FIXTURES SHALL BE CONTROLLED BY LOCAL LIGHTING CONTROLS.
 2. STAIRWELLS SHALL BE CONTROLLED BY INTEGRAL OCCUPANCY SENSING LIGHTING FIXTURES.
 3. ALL EMERGENCY LIFE SAFETY LIGHTING FIXTURES AND EXIT SIGNS SHALL BE PROVIDED WITH A SEPARATE UNSWITCHED PHASE CONDUCTOR FOR POWER OUTAGE SENSING.
- CODED NOTES:
- ① COORDINATE THE EXACT LOCATION OF LIGHTING FIXTURES IN THIS ARE WITH DUCTWORK.

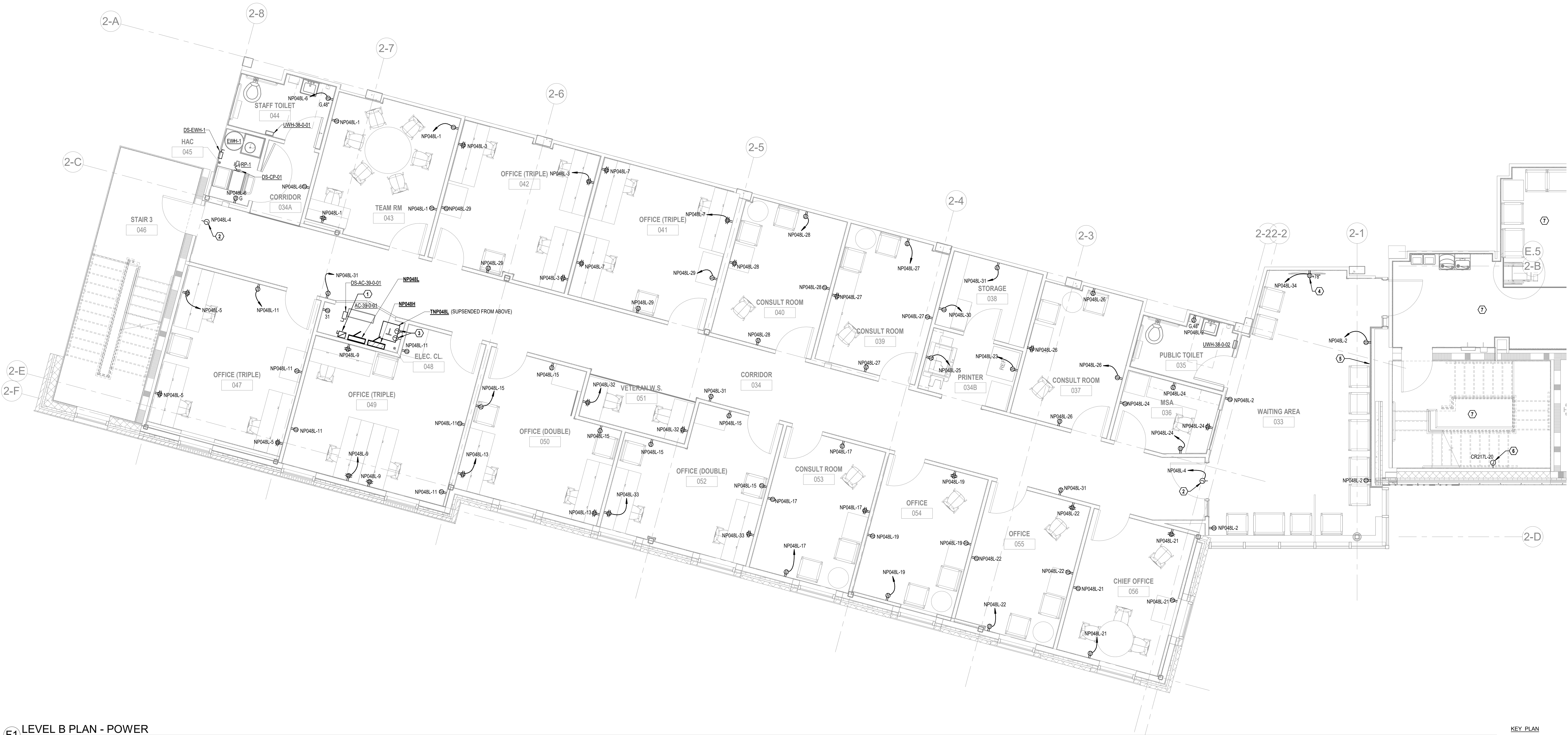


F1 LEVEL 2 PLAN - LIGHTING
1/4" = 1'-0"

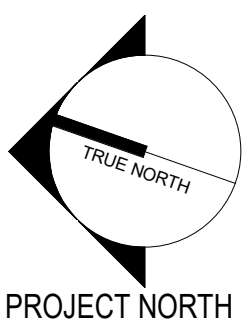
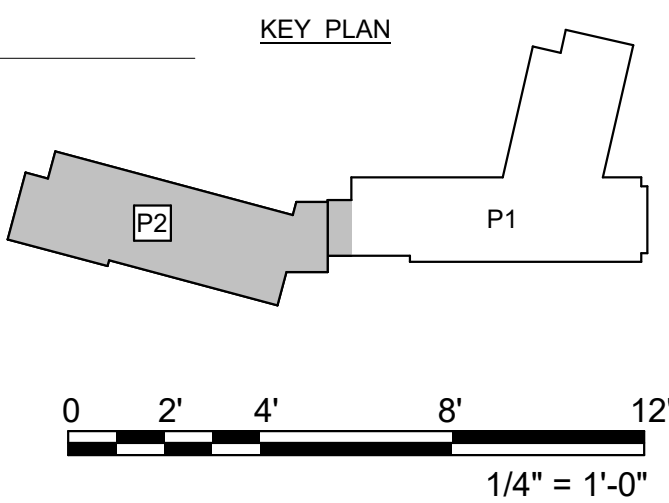


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		Revisions:	Revision Description	Date:																							
VA FORM 08-6231																											

- DRAWING NOTES:
- ALL RECEPTACLES IN PUBLIC AREAS AND CONSULT ROOMS SHALL BE TAMPER RESISTANT.
 - REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE AND DISCONNECT SCHEDULE ON SHEET E-801 FOR ADDITIONAL CONNECTION AND SIZING INFORMATION.
- CODED NOTES:
- FUSIBLE DISCONNECT DS-TNP048L. SEE ONE-LINE DIAGRAM FOR FURTHER DETAILS.
 - PROVIDE 120V JUNCTION BOX ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR FOR ACCESS CONTROL HARDWARE. PROVIDE LABEL STATING ACCESS CONTROL 120V AND CONNECT TO BRANCH CIRCUIT BREAKER INDICATED WITH LOCK-ON ACCESSORY.
 - COORDINATE ELECTRICAL CONNECTION WITH BDA EQUIPMENT. REFER TO TELECOM DRAWING T-801 FOR ADDITIONAL INFORMATION.
 - COORDINATE EXACT TV RECEPTACLE LOCATION WITH TV DATA OUTLET AND TV WALL MOUNTING BRACKET PRIOR TO ROUGH-IN.
 - COORDINATE EXACT LOCATION OF DEVICES ON THIS WALL WITH ARCHITECTURAL WALL PANELING PRIOR TO CONSTRUCTION.
 - PROVIDE 120V JUNCTION BOX FOR WINDOW FIRE CURTAIN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FIRE CURTAIN VENDOR PRIOR TO ROUGH-IN.
 - EXISTING PHASE 1. NO WORK IN THIS AREA, UNLESS OTHERWISE NOTED.



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



PROJECT NORTH

Revisions:	Revision Description	Date:
1	FIRE CURTAINS	TBD

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MD License #41408

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U.S. Department
of Veterans Affairs

Drawing Title
LEVEL B PLAN - POWER

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
SDL

Project Number
650-347

Building Number
39

Drawing Number

EP201

3/8/2022 3:44:21 PM

BM 36010121004 - VA Providence Mental Health Building PH010121004 - VA Providence MHC Ph2 120_Div 26_27_ & 28.rvt

VA FORM 08 - 6231

A

B

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D

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BM 36010121004 - VA Providence Mental Health Building PH101121004 - VA Providence MHC Ph2 120_Div 26_27_ & 28.rvt
VA FORM 08 - 6231

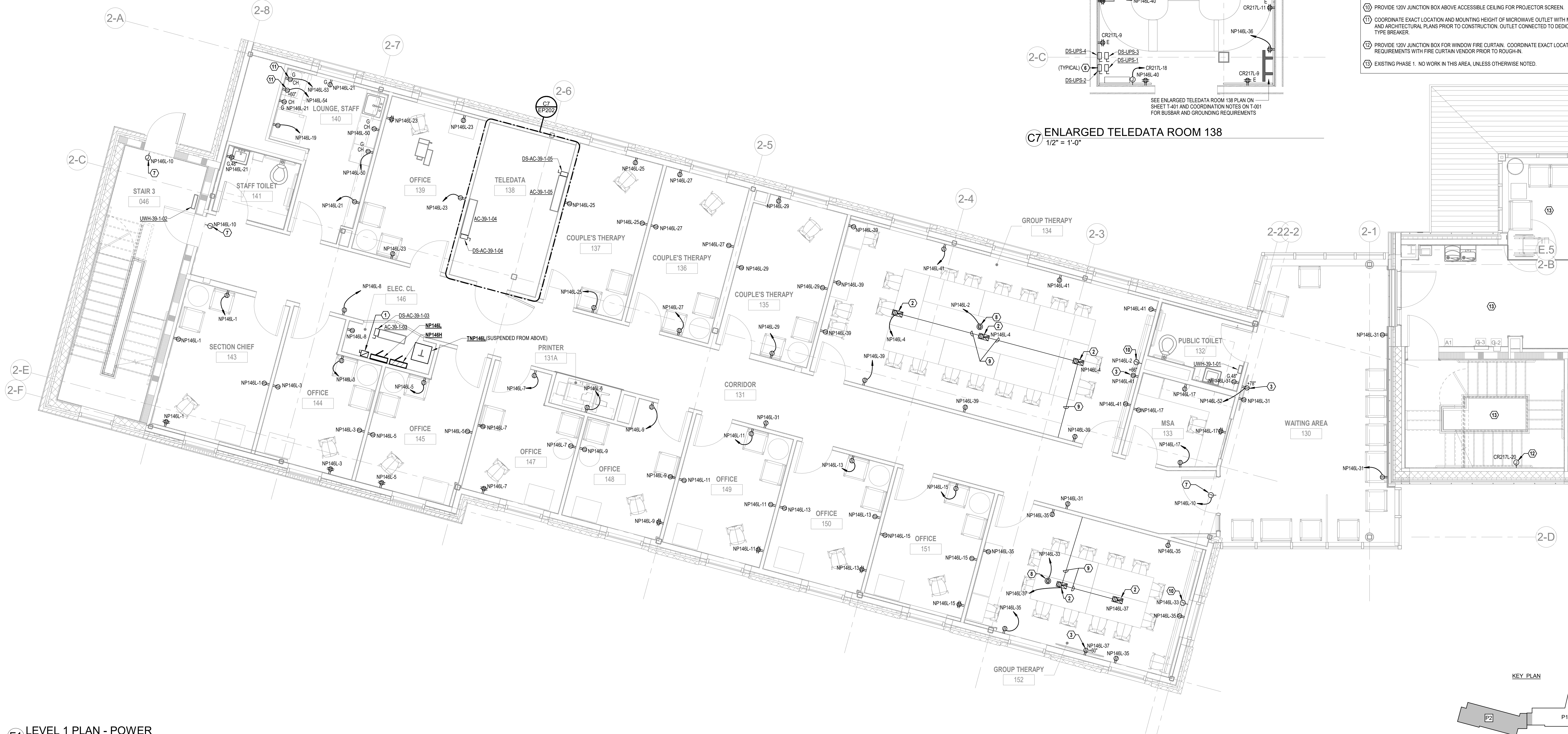
DRAWING NOTES:

1. ALL RECEPTACLES IN PUBLIC AREAS AND CONSULT ROOMS SHALL BE TAMPER RESISTANT.
2. REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE AND DISCONNECT SCHEDULE ON SHEET E-801 FOR ADDITIONAL CONNECTION AND SIZING INFORMATION.

CODED NOTES:

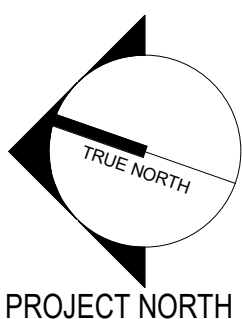
- (1) FUSIBLE DISCONNECT DS-TNP146L. SEE ONE-LINE DIAGRAM ON SHEET E-801 FOR DETAILS.
- (2) 6" POKE THROUGH FLOOR BOX FOR IN FLOOR POWER/DATA OUTLETS. COORDINATE INSTALLATION WITH TELECOM AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION. BASIS OF DESIGN IS LEGRAND 6" FLUSH MOUNTED POKE THROUGH EVOLUTION SERIES. FINISH TO BE AS DIRECTED BY ARCHITECT. PROVIDE ALL PARTS, ACCESSORIES, PLATES AND COVERS FOR A COMPLETE SYSTEM.
- (3) COORDINATE EXACT TV RECEPTACLE LOCATION WITH TV DATA OUTLET AND TV WALL MOUNTING BRACKET PRIOR TO ROUGH-IN.
- (4) NORMAL POWER RECEPTACLE (L21-20) FOR DATA RACK NORMAL SIDE POWER DISTRIBUTION UNIT. MOUNT RECEPTACLE TO BOTTOM OF CABLE TRAY IN THIS ROOM. COORDINATE EXACT LOCATION WITH TELECOM DRAWINGS PRIOR TO CONSTRUCTION.
- (5) POWER CONNECTION FOR DATA RACK MOUNTED UPS. MOUNT JUNCTION BOX TO BOTTOM OF CABLE TRAY IN THIS ROOM. COORDINATE EXACT LOCATION WITH TELECOM DRAWINGS PRIOR TO CONSTRUCTION. JUNCTION BOX CONNECTED TO ASSOCIATED DISCONNECT.
- (6) RACK MOUNTED UPS LOCAL DISCONNECT. (2) DISCONNECTS STACKED VERTICALLY. CONNECT DISCONNECT LOAD SIDE TO JUNCTION BOX ABOVE ASSOCIATED RACK. REFER TO SCHEDULES ON SHEET E-801 FOR ADDITIONAL INFORMATION.
- (7) PROVIDE 120V JUNCTION BOX ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR FOR ACCESS CONTROL HARDWARE. PROVIDE LABEL STATING ACCESS CONTROL 120V AND CONNECT TO BRANCH CIRCUIT BREAKER INDICATED WITH LOCK-ON ACCESSORY.
- (8) COORDINATE EXACT PROJECTOR CEILING MOUNTED RECEPTACLE LOCATION WITH PROJECTOR LOCATION.
- (9) ROUTE BRANCH CIRCUIT WIRING AND CONDUIT IN CEILING SPACE OF FLOOR BELOW TO NEAREST FULL HEIGHT WALL.
- (10) PROVIDE 120V JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR PROJECTOR SCREEN.
- (11) COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF MICROWAVE OUTLET WITH MILL WORK AND ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. OUTLET CONNECTED TO DEDICATED GFCI TYPE BREAKER.
- (12) PROVIDE 120V JUNCTION BOX FOR WINDOW FIRE CURTAIN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FIRE CURTAIN VENDOR PRIOR TO ROUGH-IN.
- (13) EXISTING PHASE 1. NO WORK IN THIS AREA, UNLESS OTHERWISE NOTED.

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



F1 LEVEL 1 PLAN - POWER
1/4" = 1'-0"

0 1' 2' 4' 6' 0 2' 4' 8' 12'
1/2" = 1'-0" 1/4" = 1'-0"



Revisions:	Revision Description	Date:
1	FIRE CURTAINS	TBD

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No. 41408

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VA U.S. Department
of Veterans Affairs

Drawing Title
LEVEL 1 PLAN - POWER

Approved:

Phase
**CONSTRUCTION
DOCUMENTS**

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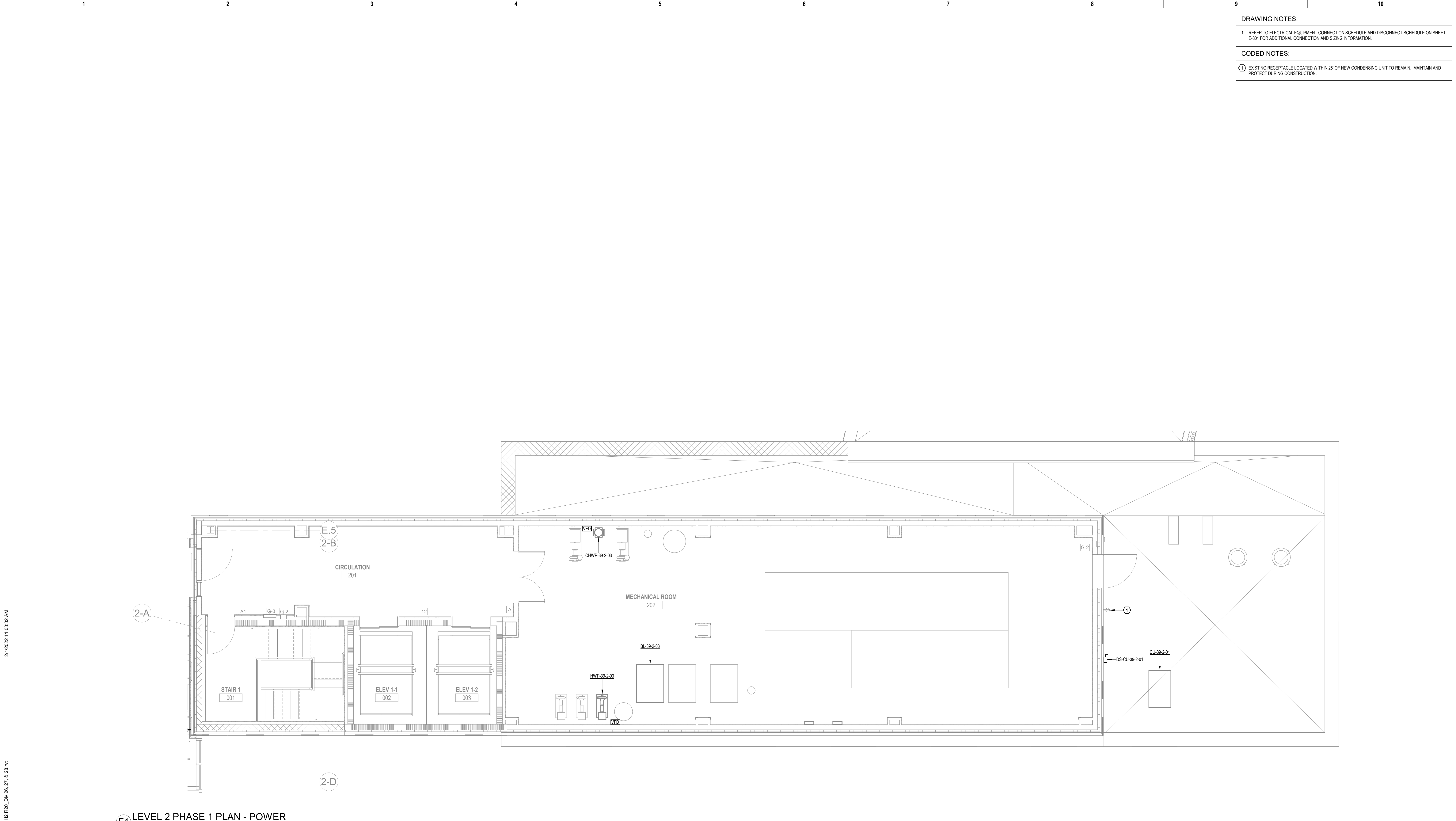
Project Title PROVIDENCE VAMC MENTAL HEALTH PHASE 2	Project Number 650-347
Location PROVIDENCE, RI	Building Number 39
Issue Date FEB 04 2022	Checked JFR
	Drawn SDL
	Drawing Number EP202



- DRAWING NOTES:**
1. ALL RECEPTACLES IN PUBLIC AREAS AND CONSULT ROOMS SHALL BE TAMPER RESISTANT.
 2. REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE AND DISCONNECT SCHEDULE ON SHEET E-801 FOR ADDITIONAL CONNECTION AND SIZING INFORMATION.
- CODED NOTES:**
- ① GROUND BUS BAR. REFER TO DETAILS 8 AND 9 ON SHEET E-502 FOR FURTHER INFORMATION.
 - ② PROVIDE 120V POWER FOR ACCESS CONTROL PANEL. SEE DRAWINGS EY103 AND EY501 FOR ACCESS CONTROL PANEL DETAILS.
 - ③ PROVIDE 120V JUNCTION BOX ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR FOR ACCESS CONTROL HARDWARE. PROVIDE LABEL STATING "ACCESS CONTROL 120V" AND CONNECT TO BRANCH CIRCUIT BREAKER INDICATED WITH LOCK-ON ACCESSORY.
 - ④ PROVIDE 120V POWER FOR DDC AND VRF CONTROL PANELS.
 - ⑤ COORDINATE EXACT TV RECEPTACLE LOCATION WITH TV DATA OUTLET AND TV WALL MOUNTING BRACKET PRIOR TO ROUGH-IN.
 - ⑥ PROVIDE 120V JUNCTION BOX FOR WINDOW FIRE CURTAIN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FIRE CURTAIN VENDOR PRIOR TO ROUGH-IN.
 - ⑦ EXISTING PHASE 1. NO WORK IN THIS AREA, UNLESS OTHERWISE NOTED.

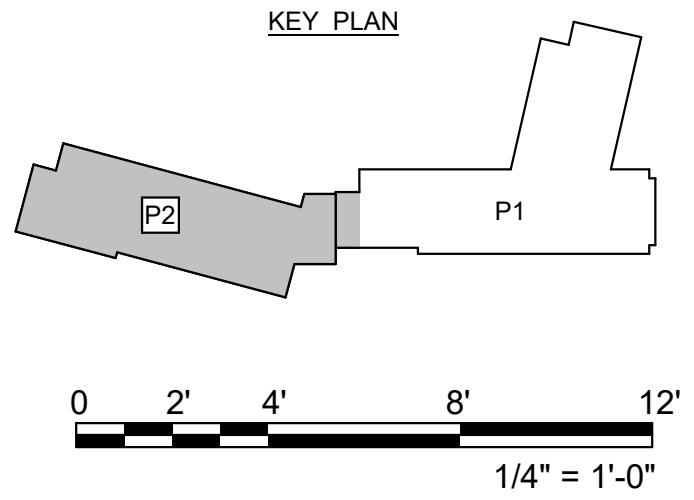
F1 LEVEL 2 PLAN - POWER
1/4" = 1'-0"

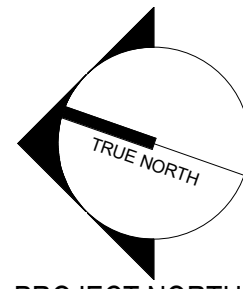




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	Revisions:	Revision Description	Date:									

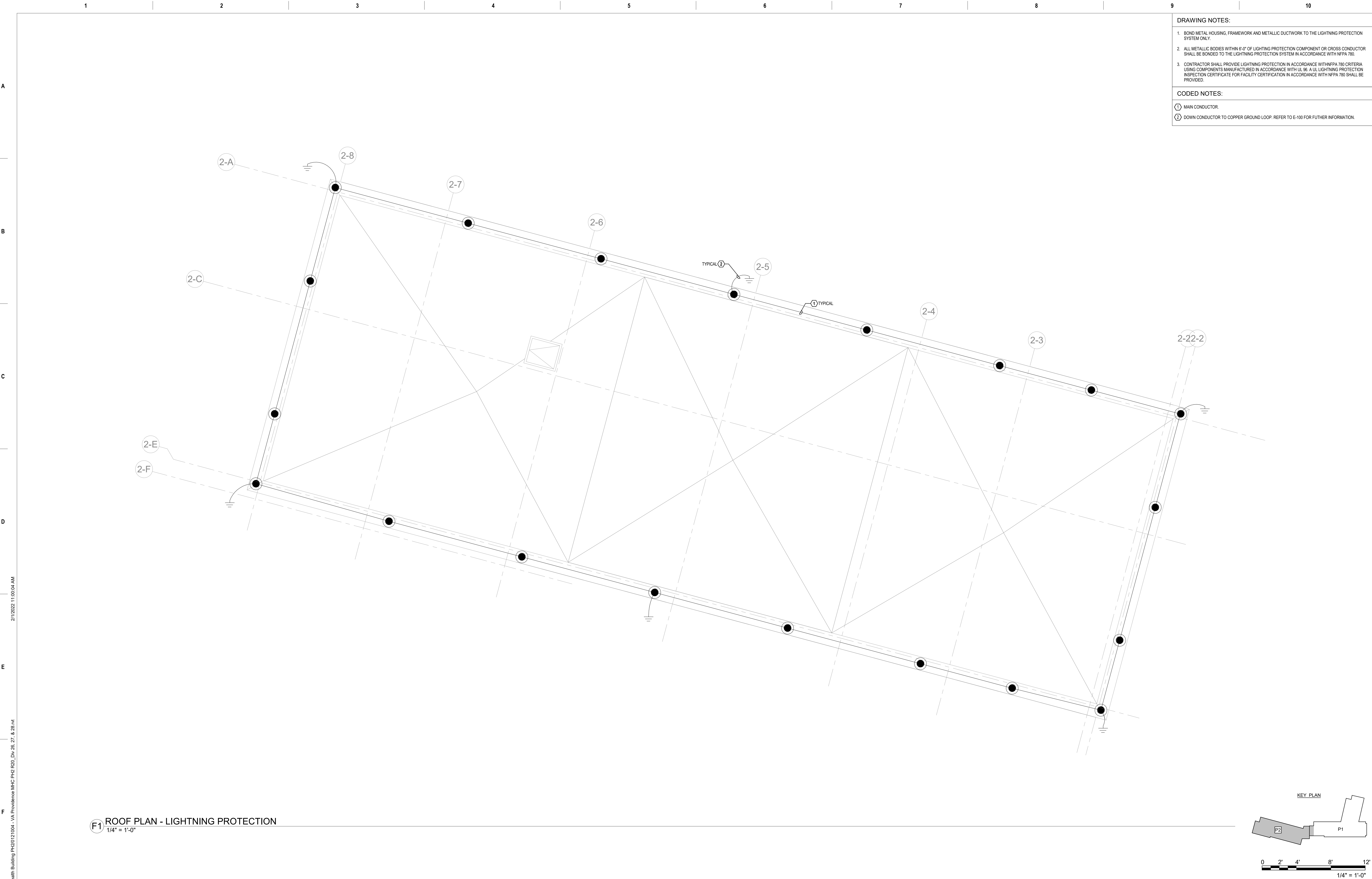


- DRAWING NOTES:**
1. REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE AND DISCONNECT SCHEDULE ON SHEET E-801 FOR ADDITIONAL CONNECTION AND SIZING INFORMATION.
- CODED NOTES:**
- ① EXISTING RECEPTACLE LOCATED WITHIN 25' OF NEW CONDENSING UNIT TO REMAIN. MAINTAIN AND PROTECT DURING CONSTRUCTION.

F1 LEVEL 2 PHASE 1 PLAN - POWER
1/4" = 1'-0"



 PROJECT NORTH	<table><tr><th>Revisions:</th><th>Revision Description</th><th>Date:</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	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  JOHN F. RAINE, P.E. MD License #41408	Office of Construction and Facilities Management  U.S. Department of Veterans Affairs	Drawing Title LEVEL 2 PHASE 1 - POWER 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 SDL	Project Number 650-347 Building Number 39 Drawing Number EP213
		Revisions:	Revision Description	Date:																								
VA FORM 08 - 6231																												



F1 ROOF PLAN - LIGHTNING PROTECTION
1/4" = 1'-0"

Revisions:	Revision Description	Date:

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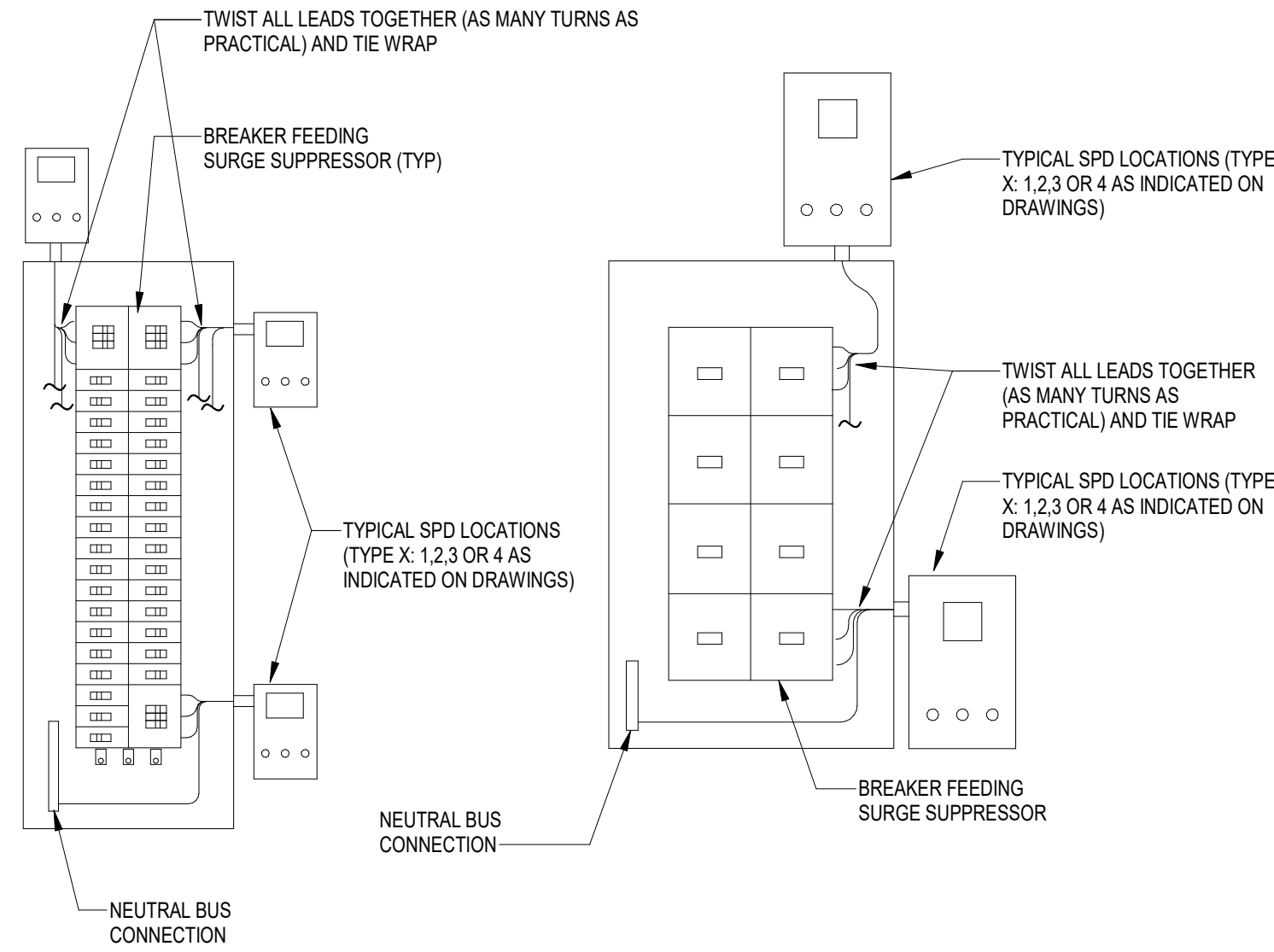
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	ROOF PLAN - LIGHTNING PROTECTION	Phase	CONSTRUCTION DOCUMENTS
Approved:		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	SDL
			EP214





NOTE: MOUNT SPD DEVICE IN A LOCATION TO MAINTAIN ALL LEADS AS SHORT AS POSSIBLE. (18" MAX.)

C1 TYPICAL SPD MOUNTING DETAIL
N.T.S.

Switchboard: MDP2

Location: ELEC. RM. 217
Supply From: EXISTING MDP
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42000
Mains Type: MCB
Mains Rating: 600 A
MCB Rating: 600 A
Neutral Rating: 100.00%

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	TRANSFORMER 'TNP048L'	3	80 A	29.0 kVA	
2	TRANSFORMER 'TNP146L'	3	80 A	57.1 kVA	
3	TRANSFORMER 'TNP217L'	3	80 A	23.0 kVA	
4	PANEL 'NP048H'	3	60 A	1.8 kVA	
5	PANEL 'NP146H'	3	60 A	3.8 kVA	
6	SPARE	3	100 A	0.0 kVA	
7	CH-39-0-03	3	150 A	87.7 kVA	
8	H-39-2-02	3	70 A	40.7 kVA	
9	AHU-39-2-02	3	60 A	36.5 kVA	
10	SPACE	--	--	0.0 kVA	--
11	SPACE	--	--	0.0 kVA	--
12	CHWP-39-2-03	3	20 A	9.1 kVA	
13	HWP-39-2-03	3	15 A	4.0 kVA	
14	CU-39-2-01	3	25 A	13.7 kVA	
15	SPACE	--	--	0.0 kVA	--
16	SPACE	--	--	0.0 kVA	--
				306.3 kVA	
				365 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	5.5 kVA	100.00%	5.5 kVA	Total Conn. Load: 306.3 kVA
Motor	13.1 kVA	117.38%	15.4 kVA	
Other	159.1 kVA	100.00%	159.1 kVA	Total Est. Demand: 269.9 kVA
Power	41.0 kVA	100.00%	41.0 kVA	Total Conn. Current: 368 A
Receptacle	87.4 kVA	55.72%	48.7 kVA	Total Est. Demand: 325 A
Lighting - Exterior	0.2 kVA	100.00%	0.2 kVA	

Notes:

Branch Panel: CR217H

Location: ELEC. ROOM 217
Supply From: TCR217H
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 14,000
Mains Type: MCB
Mains Rating: 60 A
Neutral Rating: 100.00%

Notes:

CRITICAL BRANCH OF EMERGENCY POWER

CKT	Circuit Description	No t e	Trip	Po l e	A	B	C	Po l e	Trip	No t e	Circuit Description	CKT
1	LTG. LEVEL B	20 A	1	0.21	0.00			1	20 A		SPARE	2
3	LTG. STAIR 3-1	20 A	1		0.39	0.00			1	20 A	SPARE	4
5	LTG. LEVEL 1	20 A	1				0.31	0.00	1	20 A	SPARE	6
7	LTG. LEVEL 2	20 A	1	0.18	0.00				1	20 A	SPARE	8
9	SPARE	20 A	1		0.00	0.00			1	20 A	SPARE	10
11	SPARE	20 A	1				0.00	0.00	1	20 A	SPARE	12
13	SPARE	20 A	1	0.00	0.00				1	20 A	SPARE	14
15	SPARE	20 A	1						1	20 A	SPARE	16
17	SPACE	--	--	--		0.00	0.00		0.00	0.00	--	18
19	SPACE	--	--	--	0.00	0.00			--	--	--	20
21	SPACE	--	--	--		0.00	0.00		--	--	--	22
23	SPACE	--	--	--			0.00	0.00	--	--	--	24
25	SPACE	--	--	--	0.00	0.00			--	--	--	26
27	SPACE	--	--	--		0.00	0.00					28
29	SPACE	--	--	--			0.00	0.00	3	30 A		30
					Total Load:	0.4 kVA	0.4 kVA	0.3 kVA				
					Total Amps:	1 A	1 A	1 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	1.1 kVA	100.00%	1.1 kVA	Total Conn. Load: 1.1 kVA
				Total Est. Demand: 1.08 kVA
				Total Conn. Current: 1 A
				Total Est. Demand Current: 1 A

Notes:

CRITICAL BRANCH OF EMERGENCY POWER

Branch Panel: NP217L

Location: ELEC. ROOM 217
Supply From: TNP217L
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 150 A
Neutral Rating: 100.00%

Notes:

CKT	Circuit Description	No t e	Trip	Po l e	A	B	C	Po l e	Trip	No t e	Circuit Description	CKT
1	REC. 214	20 A	1	1.00	0.04			2	15 A		AC-39-2-01	2
3	REC. 213	20 A	1			1.00	0.04					4
5	REC. 212	20 A	1				1.00	0.73	2	15 A	BL-39-2-03	6
7	REC. 211	20 A	1	1.00	0.73							8
9	REC. 210	20 A	1			1.00	0.48		1	20 A	AHU-39-2-02-IV	10
11	REC. 209	20 A	1				1.00	0.36	1	20 A	AHU-39-2-02-MARINE	12
13	REC. 218	20 A	1	1.00	0.80				1	20 A	EF-39-2-01	14
15	COPPER REC. 204	20 A	1			0.20	0.50		1	20 A	TP-1	16
17	REC. 219	20 A	1				1.00	1.50	1	20 A	UWH-39-2-01	18
19	REC. 221	20 A	1	1.00	1.00				1	20 A	DOC / VRF CONTROL PANELS	20
21	REC. 222	20 A	1			1.00	1.00		1	20 A	REC. 220	22
23	REC. 215	20 A	1				0.60	1.00	1	20 A	REC. 223	24
25	REC. 208&217	20 A	1	0.60	1.00				1	20 A	ACCESS CONTROL - 204&205	26
27	REC. 204, 207&208	20 A	1			1.00	0.20		1	20 A	WATER COOLER REC. 203	28
29	REC. 203	20 A	1				0.60	0.40	1	20 A	REC. 217	30
31	TV REC. 203	20 A	1	0.20	0.00				1	20 A	SPARE	32
33	SPARE	20 A	1			0.00	0.00		1	20 A	SPARE	34
35	SPARE	20 A	1				0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00				1	20 A	SPARE	38
39	SPARE	20 A	1			0.00	0.00		1	20 A	SPARE	40
41	SPARE	20 A	1				0.00	0.00	1	20 A	SPARE	42
					Total Load:	8.4 kVA	6.4 kVA	8.2 kVA				
					Total Amps:	72 A	54 A	71 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Other	7.2 kVA	100.00%	7.2 kVA	Total Conn. Load: 23.0 kVA
Receptacle	15.8 kVA	81.65%	12.9 kVA	
				Total Est. Demand: 20.08 kVA
				Total Conn. Current: 64 A
				Total Est. Demand Current: 56 A

Notes:

1. PROVIDE GFCI TYPE BREAKER.

Branch Panel: CR217L

Location: ELEC. ROOM 217
Supply From: CR211
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MLO
Mains Rating: 225 A
Neutral Rating: 100.00%

Notes:

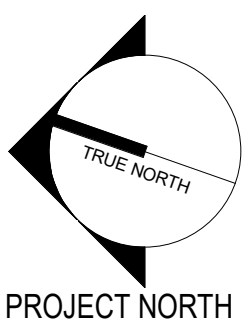
CRITICAL BRANCH OF EMERGENCY POWER

CKT	Circuit Description	No	Trip	Pole	A		B		C		Pole	Trip	No	Circuit Description	CKT	
1	UPS-1: 138	50 A	2		3.00	3.00					2	50 A		UPS-2: 138	2	
3															4	
5	UPS-3: 138	50 A	2						3.00	3.00		2	50 A		UPS-4: 138	6
7					3.00	3.00										8
9	REC. 138	20 A	1				1.20	1.20				1	20 A		REC. 138	10
11	REC. 138	20 A	1						1.20	0.39						12
13	ACCESS CONTROL PANEL: 217	1	20 A	1	0.50	0.39					3	20 A		TCR217H	14	
15	FIRE ALARM NAC PNL	20 A	1				1.20	0.31								16
17	BDA AMPLIFIER	20 A	1						0.50	1.20	1	20 A		NURSE CALL CABINET POWER	18	
19	BDA AMPLIFIER	20 A	1	0.50	0.00						1	20 A		SPARE	20	
21	REC. 215, 217	20 A	1				0.40	0.00			1	20 A		SPARE	22	
23	SPARE	20 A	1						0.00	0.00	1	20 A		SPARE	24	
25	SPARE	20 A	1	0.00	0.00						1	20 A		SPARE	26	
27	SPARE	20 A	1				0.00	0.00			1	20 A		SPARE	28	
29	SPARE	20 A	1						0.00	0.00	1	20 A		SPARE	30	
31	SPACE	--	--	--	0.00	0.00					--	--	--	SPACE	32	
33	SPACE	--	--	--			0.00	0.00			--	--	--	SPACE	34	
35	SPACE	--	--	--					0.00	0.00	--	--	--	SPACE	36	
37	SPACE	--	--	--	0.00	0.00					--	--	--		38	
39	SPACE	--	--	--			0.00	0.00			3	30 A		SPD	40	
41	SPACE	--	--	--					0.00	0.00						42
					Total Load:		13.4 kVA		10.3 kVA							
					Total Amps:		113 A		87 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	1.1 kVA	100.00%	1.1 kVA	Total Conn. Load: 33.0 kVA
Other	27.9 kVA	100.00%	27.9 kVA	
Receptacle	4.0 kVA	100.00%	4.0 kVA	Total Est. Demand: 32.98 kVA
				Total Conn. Current: 92 A
				Total Est. Demand Current: 92 A

Notes:

1. PROVIDE LOCK-ON CIRCUIT BREAKER HANDLE ACCESSORY.



Revisions:	Revision Description	Date:

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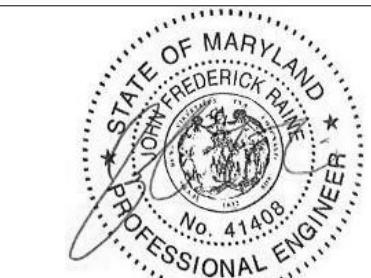
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Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title

ELECTRICAL PANEL SCHEDULES

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
SDL

Project Number
650-347

Building Number
39

Drawing Number

E-802

Branch Panel: NP146H

Location: ELEC. CLOSET 146

Supply From: MDP2

Mounting: Surface

Enclosure: Type 1

Volts: 480/275 Vye

Phases: 3

Wires: 4

A.I.C. Rating: 42,000

Mains Type: MCS

Mains Rating: 60 A

Neutral Rating: 100.00%

Notes:

CKT	Circuit Description	No	t	e	P	o	l	e	A	B	C	P	o	l	e	Circuit Description	CKT	
																		Trip
1	LTG. LEVEL 1	20 A	1						0.85	0.85						LTG. LEVEL 1	2	
2	EXTERIOR LTG	20 A	1													CORRIDOR LTG. LEVEL 1	4	
5	WAITING LTG. LEVEL 1	20 A	1													CORRIDOR LTG. LEVEL 2	6	
7	WAITING LTG. LEVEL 2	20 A	1	0.14	0.89											LTG. LEVEL 2	8	
9	SPARE	20 A	1						0.00	0.41						LTG. LEVEL 2	10	
11	SPARE	20 A	1								0.00	0.00	1	20 A		SPARE	12	
13	SPACE	--	--	--	0.00	0.00							--	--	--	SPACE	14	
15	SPACE	--	--	--					0.00	0.00			--	--	--	SPACE	16	
17	SPACE	--	--	--							0.00		0.00	--	--	SPACE	18	
19	SPACE	--	--	--	0.00	0.00							--	--	--	SPACE	20	
21	SPACE	--	--	--					0.00	0.00			--	--	--	SPACE	22	
23	SPACE	--	--	--							0.00		0.00	--	--	SPACE	24	
25	SPACE	--	--	--	0.00	0.00							--	--	--	SPACE	26	
27	SPACE	--	--	--					0.00	0.00			--	--	--	SPACE	28	
29	SPACE	--	--	--							0.00	0.00	--	--	--	SPACE	30	
Total Load:					2.7 kVA			0.7 kVA			0.3 kVA							
Total Amps:					10 A			3 A			1 A							
Load Classification					Connected Load			Demand Factor			Estimated Demand			Panel Totals				
Lighting					3.6 kVA			100.00%			3.6 kVA			Total Conn. Load: 3.8 kVA				
Lighting - Exterior					0.2 kVA			100.00%			0.2 kVA			Total Est. Demand: 3.79 kVA				
														Total Conn. Current: 5 A				
														Total Est. Demand Current: 5 A				

Notes:

Branch Panel: NP146L

Location: ELEC. CLOSET 146

Supply From: TN146L

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Vye

Phases: 3

Wires: 4

A.I.C. Rating: 10,000

Mains Type: MCB

Mains Rating: 150 A

Neutral Rating: 100.00%

Notes:

PROVIDE PANEL AS SINGLE VERTICAL SECTION.

CKT	Circuit Description	No t e	Trip	P o l e	A		B		C		P o l e	Trip	No t e	Circuit Description	CKT		
1	REC: 143		20 A	1	1.00	0.70					1	20 A		PROJECTOR REC: 134	2		
3	REC: 144		20 A	1			1.00	0.60			1	20 A		REC: 134	4		
5	REC: 145		20 A	1					1.00	0.20	1	20 A		COPPER REC: 131	6		
7	REC: 147		20 A	1	1.00	0.40					1	20 A		REC: 131&146	8		
9	REC: 148		20 A	1			1.00	1.50			1	20 A		ACCESS CONTROL: 146-3&131	10		
11	REC: 149		20 A	1					1.00	2.00	3	20 A		L21-20 RECEPTACLE - DATA RACK 1 NORMAL SIDE POU	12		
13	REC: 150		20 A	1	1.00	2.00						20 A				14	
15	REC: 151		20 A	1			1.00	2.00				1.00	2.00			16	
17	REC: 153		20 A	1							3	20 A		L21-20 RECEPTACLE - DATA RACK 2 NORMAL SIDE POU	20		
19	REFRIGERATOR REC: 140	1	20 A	1	0.20	2.00						20 A				22	
21	REC: 140&141		20 A	1			0.80	2.00				20 A				24	
23	REC: 139		20 A	1					1.00	2.00	3	20 A		L21-20 RECEPTACLE - DATA RACK 3 NORMAL SIDE POU	26		
25	REC: 137		20 A	1	0.80	2.00						20 A				28	
27	REC: 136		20 A	1			0.80	2.00				20 A				30	
29	REC: 135		20 A	1					0.80	2.00	3	20 A		L21-20 RECEPTACLE - DATA RACK 4 NORMAL SIDE POU	32		
31	REC: 130		20 A	1	1.20	2.00						20 A				34	
33	PROJECTOR REC: 152		20 A	1			0.70	2.00			1	20 A		REC: 136	36		
35	REC: 152		20 A	1					1.20	1.20		20 A			REC: 138	38	
37	REC: 152		20 A	1	0.60	1.20					1	20 A		REC: 138	40		
39	REC: 134		20 A	1			1.20	1.20			1	20 A		REC: 138	42		
41	REC: 134		20 A	1					1.00	0.04	2	15 A		AC-39-103	44		
43			15 A	2	0.05	0.04						20 A				46	
45	AC-39-104						0.05	0.05			2	15 A		AC-39-105	48		
47	UWH-39-101		20 A	1					1.50	0.05		20 A			REC: 140	50	
49	UWH-39-102		25 A	2	2.00	0.40					1	20 A		TV REC: 130	52		
51	REC - MICROWAVE: 140	1	20 A	1			2.00	0.20			0.20	0.20	1	20 A	1	REC - MICROWAVE: 140	54
55	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	56		
57	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	58		
59	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	60		
61	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	62		
63	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	64		
65	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	66		
67	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	68		
69	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	70		
71	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	72		
73	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	74		
75	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	76		
77	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	78		
79	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	80		
81	SPARE		20 A	1							1	20 A		SPARE	82		
83	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	84		
Total Load:					18.6 kVA		20.1 kVA		18.4 kVA								
Total Amps:					155 A		166 A		153 A								
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals									
Other		8.0 kVA		100.00%		8.0 kVA		Total kVA									
Power		0.3 kVA		100.00%		0.3 kVA		Total Conn. Load: 57.1 kVA									
Receptacle		48.8 kVA		90.25%		29.4 kVA		Total Est. Demand: 57.67 kVA									
								Total Conn. Current: 158 A									
								Total Est. Demand Current: 105 A									

Notes:

1. PROVIDE GFCI TYPE BREAKER.



A

B

C

D

E

F

A

B

C

D

E

F

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
CONSULT ROOM 038	+	28.4 fc	38.4 fc	20.0 fc	1.9:1	1.4:1
CONSULT ROOM 040	+	36.7 fc	51.7 fc	19.7 fc	2.6:1	1.9:1
CONSULT ROOM 053	+	35.1 fc	44.6 fc	23.7 fc	1.9:1	1.5:1
CORRIDOR 034	+	25.5 fc	45.0 fc	13.1 fc	3.4:1	1.9:1
ELEC. CL 046	+	18.3 fc	20.1 fc	16.3 fc	1.2:1	1.1:1
HAC 045	+	18.4 fc	21.7 fc	16.6 fc	1.3:1	1.1:1
MSA 036	+	22.6 fc	29.9 fc	16.3 fc	1.8:1	1.4:1
OFFICE (DOUBLE) 050	+	42.9 fc	56.8 fc	20.9 fc	2.7:1	2.1:1
OFFICE (TRIPLE) 041	+	52.8 fc	58.1 fc	43.0 fc	1.4:1	1.2:1
OFFICE (TRIPLE) 042	+	52.5 fc	57.8 fc	42.7 fc	1.4:1	1.2:1
OFFICE (TRIPLE) 047	+	50.3 fc	57.2 fc	37.2 fc	1.5:1	1.4:1
OFFICE (TRIPLE) 049	+	45.4 fc	59.8 fc	20.6 fc	2.9:1	2.2:1
PUBLIC TOILET 035	+	22.2 fc	51.5 fc	5.3 fc	9.7:1	4.2:1
STAFF TOILET 044	+	22.4 fc	50.4 fc	5.8 fc	8.7:1	3.9:1
TEAM RM 043	+	57.7 fc	66.2 fc	41.8 fc	1.6:1	1.4:1
WAITING AREA 033	+	36.5 fc	48.1 fc	17.3 fc	2.8:1	2.1:1

Power Statistics				
Description	# Luminaires	Total Watts	Area	Density
CONSULT ROOM 038	1	33.3 W	64.5 ft²	0.5 W/ft²
CONSULT ROOM 040	2	66.6 W	136.5 ft²	0.5 W/ft²
CONSULT ROOM 053	2	66.6 W	138.4 ft²	0.5 W/ft²
CORRIDOR 034	13	321.5 W	742.6 ft²	0.4 W/ft²
ELEC. CL 046	1	24.9 W	23.6 ft²	1.1 W/ft²
HAC 045	1	24.9 W	25.8 ft²	1.0 W/ft²
MSA 036	1	24.9 W	63.3 ft²	0.4 W/ft²
OFFICE (DOUBLE) 050	3	99.9 W	178.2 ft²	0.6 W/ft²
OFFICE (TRIPLE) 041	4	133.2 W	185.3 ft²	0.7 W/ft²
OFFICE (TRIPLE) 042	4	133.2 W	184.8 ft²	0.7 W/ft²
OFFICE (TRIPLE) 047	4	133.2 W	205.2 ft²	0.6 W/ft²
OFFICE (TRIPLE) 049	4	133.2 W	231.3 ft²	0.6 W/ft²
PUBLIC TOILET 035	1	14.3 W	53.9 ft²	0.3 W/ft²
STAFF TOILET 044	1	14.3 W	51.2 ft²	0.3 W/ft²
TEAM RM 043	4	133.2 W	160.4 ft²	0.8 W/ft²
WAITING AREA 033	8	200.0 W	355.3 ft²	0.6 W/ft²



F1 ELECTRICAL CALCULATIONS - LEVEL B
N.T.S.

Revisions:	Revision Description	Date:

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**Office of
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Management**

U.S. Department
of Veterans Affairs

Drawing Title
ELECTRICAL CALCULATIONS -
LEVEL B
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
SDL

Project Number
650-347
Building Number
39

Drawing Number
EC101

A

B

C

D

E

F

A

B

C

D

E

F

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
CORRIDOR 131	+	25.0 fc	45.9 fc	14.8 fc	3.1:1	1.7:1
COUPLE'S THERAPY 137	+	38.0 fc	51.5 fc	26.0 fc	2.0:1	1.5:1
ELEC. CL 146	+	16.6 fc	22.4 fc	13.1 fc	1.7:1	1.3:1
GROUP THERAPY 134	+	70.2 fc	91.2 fc	35.6 fc	2.6:1	2.0:1
GROUP THERAPY 152	+	66.0 fc	87.6 fc	34.0 fc	2.6:1	1.9:1
LOUNGE STAFF 140	+	56.6 fc	75.6 fc	27.7 fc	2.7:1	2.0:1
MSA 133	+	27.9 fc	38.5 fc	20.6 fc	1.9:1	1.4:1
OFFICE 139	+	36.4 fc	50.5 fc	25.2 fc	2.0:1	1.4:1
OFFICE 144	+	54.8 fc	73.8 fc	36.1 fc	2.0:1	1.5:1
OFFICE 147	+	58.6 fc	75.5 fc	33.0 fc	2.3:1	1.8:1
OFFICE 149	+	39.1 fc	52.7 fc	24.1 fc	2.2:1	1.6:1
PUBLIC TOILET 132	+	22.7 fc	52.2 fc	6.5 fc	8.0:1	3.5:1
SECTION CHIEF 143	+	36.6 fc	51.4 fc	22.0 fc	2.3:1	1.7:1
STAFF TOILET 141	+	27.8 fc	45.0 fc	18.7 fc	2.4:1	1.5:1
TELEDATA 138	+	29.7 fc	38.9 fc	20.5 fc	1.9:1	1.4:1
WAITING 033	+	35.7 fc	47.5 fc	15.1 fc	3.1:1	2.4:1

Power Statistics				
Description	# Luminaires	Total Watts	Area	Density
CORRIDOR 131	11	263.3 W	625.6 ft²	0.4 W/ft²
COUPLE'S THERAPY 137	2	66.6 W	125.7 ft²	0.5 W/ft²
ELEC. CL 146	1	24.9 W	25.7 ft²	1.0 W/ft²
GROUP THERAPY 134	10	333.0 W	461.4 ft²	0.7 W/ft²
GROUP THERAPY 152	6	199.8 W	256.5 ft²	0.8 W/ft²
LOUNGE STAFF 140	3	99.9 W	111.0 ft²	0.9 W/ft²
MSA 133	1	33.3 W	71.2 ft²	0.5 W/ft²
OFFICE 139	2	66.6 W	140.5 ft²	0.5 W/ft²
OFFICE 144	3	99.9 W	124.5 ft²	0.8 W/ft²
OFFICE 147	3	99.9 W	109.6 ft²	0.9 W/ft²
OFFICE 149	2	66.6 W	121.6 ft²	0.5 W/ft²
PUBLIC TOILET 132	1	14.3 W	51.9 ft²	0.3 W/ft²
SECTION CHIEF 143	2	66.6 W	140.4 ft²	0.5 W/ft²
STAFF TOILET 141	1	14.3 W	45.7 ft²	0.3 W/ft²
TELEDATA 138	4	99.6 W	128.1 ft²	0.8 W/ft²
WAITING 033	8	200.0 W	380.3 ft²	0.5 W/ft²



F1 ELECTRICAL CALCULATIONS - LEVEL 1
N.T.S.

Revisions:	Revision Description	Date:

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STAMP

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title

ELECTRICAL CALCULATIONS - LEVEL 1

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

SDL

Project Number

650-347

Building Number

39

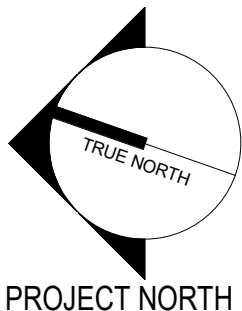
Drawing Number

EC102

F1 ELECTRICAL CALCULATIONS - LEVEL 2
N.T.S.

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
CORRIDOR 204	+	26.0 fc	46.5 fc	20.5 fc	2.3:1	1.3:1
CORRIDOR 205	+	22.0 fc	29.7 fc	11.3 fc	2.6:1	1.9:1
ELEC. RM 217	+	19.1 fc	24.6 fc	14.8 fc	1.7:1	1.3:1
HAC 216	+	17.1 fc	21.4 fc	13.3 fc	1.6:1	1.3:1
MECH. RM 216	+	15.1 fc	24.5 fc	7.5 fc	3.3:1	2.0:1
OFFICE/CONSULT 218	+	38.6 fc	51.5 fc	21.9 fc	2.4:1	1.8:1
OFFICE/CONSULT 220	+	36.4 fc	51.3 fc	20.5 fc	2.5:1	1.8:1
OFFICE/CONSULT (EXTRA) 214	+	37.2 fc	51.5 fc	22.5 fc	2.3:1	1.7:1
PUBLIC TOILET 207	+	23.4 fc	54.1 fc	7.4 fc	7.3:1	3.2:1
STAFF TOILET 208	+	24.3 fc	52.9 fc	8.9 fc	5.9:1	2.7:1
WAITING AREA 203	+	34.6 fc	46.7 fc	17.9 fc	2.6:1	1.9:1

Power Statistics				
Description	# Luminaires	Total Watts	Area	Density
CORRIDOR 204	8	188.6 W	418.5 ft²	0.5 W/ft²
CORRIDOR 205	5	124.5 W	339.4 ft²	0.4 W/ft²
ELEC. RM 217	2	49.8 W	87.9 ft²	0.6 W/ft²
HAC 216	1	24.9 W	24.8 ft²	1.0 W/ft²
MECH. RM 216	9	224.1 W	763.5 ft²	0.3 W/ft²
OFFICE/CONSULT 218	2	66.6 W	122.0 ft²	0.5 W/ft²
OFFICE/CONSULT 220	2	66.6 W	134.1 ft²	0.5 W/ft²
OFFICE/CONSULT (EXTRA) 214	2	66.6 W	130.8 ft²	0.5 W/ft²
PUBLIC TOILET 207	1	14.3 W	53.2 ft²	0.3 W/ft²
STAFF TOILET 208	1	14.3 W	53.4 ft²	0.3 W/ft²
WAITING AREA 203	8	200.0 W	393.8 ft²	0.5 W/ft²



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**Office of
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and Facilities
Management**

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of Veterans Affairs

Drawing Title
**ELECTRICAL CALCULATIONS -
LEVEL 2**

Approved:

Phase
**CONSTRUCTION
DOCUMENTS**

FULLY SPRINKLERED

Project Title
PROVIDENCE VAMC MENTAL
HEALTH PHASE 2

Location
PROVIDENCE, RI

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