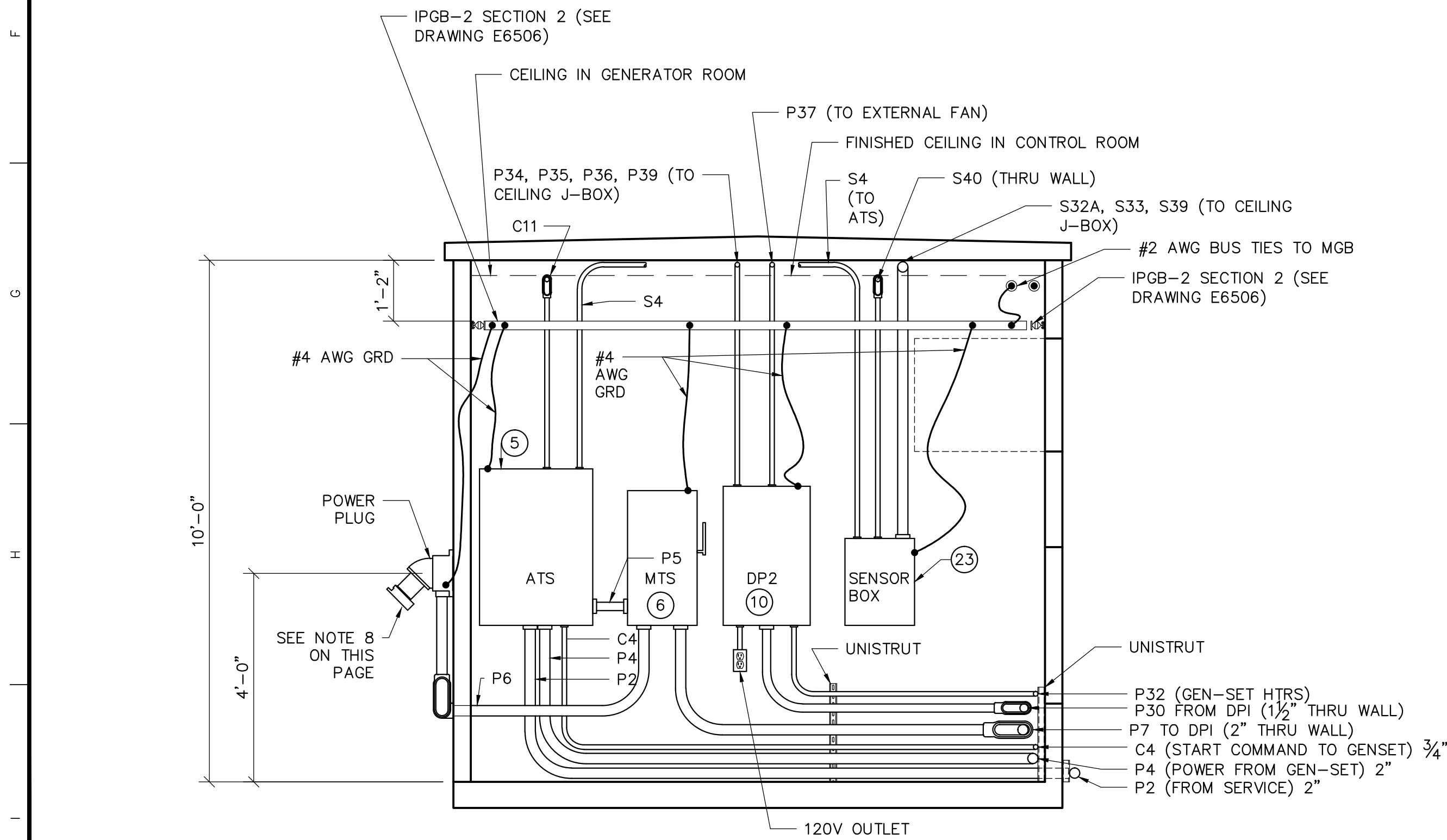
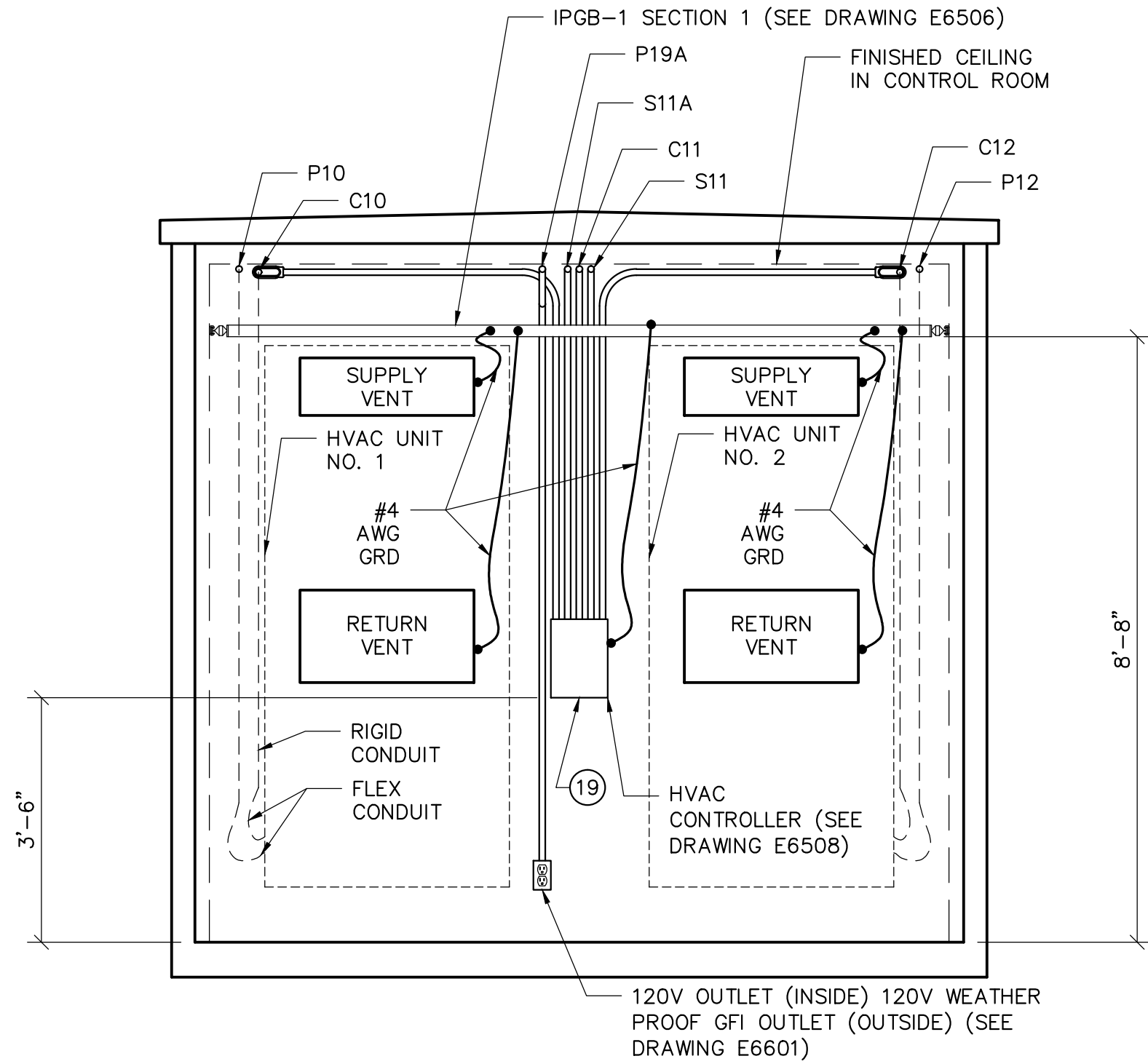


SHELTER BUILDING AND GENERATOR ROOM - PLAN VIEW EQUIPMENT LAYOUT
SCALE: 1/2" = 1'-0"



SECTION H
SCALE: 1/2" = 1'-0"



SECTION Q
SCALE: 1/2" = 1'-0"

- NOTES:
1. PLAN VIEW OF CONDUITS, J-BOXES, GROUNDING LAYOUT, LIGHTING AT CEILING SEE DRAWING E6103
 2. GROUND BUS LAYOUT SEE DRAWING E6506.
 3. CONDUITS AND WAVE GUIDE NOT SHOWN FOR CLARITY
 4. SEE DRAWING E6506 FOR INSTALLATION OF EQUIPMENT RACKS
 5. FOR KEY NOTES (#) THIS SHEET, SEE DRAWING E6102.
 6. EQUIPMENT SUPPLY BY AVIAT.
 7. CONTRACTOR SHALL PROVIDE AND INSTALL EMBANKMENT MONITORING EQUIPMENT AND INSTALL IN RACK 07 AS REQUIRED BY THE DISTRICT.
 8. CONTRACTOR SHALL PROVIDE MATING PLUG FOR THE PIN AND SLEEVE RECEPTACLE.

PANELBOARD DIRECTORY "DP-1" 9

(LOCATED IN EQUIPMENT ROOM)
TYPE: LIGHTING & APPLIANCE MAIN BUS: 200AMP
SERVICE: 240/120 VAC, SINGLE PHASE, 3-WIRE NEUTRAL: FULL
MOUNTING: SURFACE MAIN BKR: 200 AMP
POLE: 42 CIRCUIT AIC: 22000 AMPS

CKT	BREAKER		LOAD SERVED	AMPS			LOAD SERVED	BREAKER		CKT
#	TRIP	POLES		KVA	A	B	KVA	TRIP	POLES	#
1	50	2	HVAC UNIT 1 (P10)	3.75	62.9		3.8	HVAC UNIT 2 (P12)	50	2
3	50	2	HVAC UNIT 1 (P10)	3.8		63.3	3.8	HVAC UNIT 2 (P12)	50	2
5	50	2	RECTIFIER #1, 2 (P14)	1.5	25		1.5	RECTIFIER #3, 4 (P15)	50	2
7	50	2	RECTIFIER #1, 2 (P14)	1.5		25	1.5	RECTIFIER #3, 4 (P15)	50	2
9	20	1	TOWER BEACON CONTROL (P13)	0.6	5		0	TVSS (P8)	60	1
11	20	1	SPARE	0		0	0	TVSS (P8)	60	1
13	20	1	SPARE	0		0	0	SPARE	20	1
15	20	2	LOSS OF POWER RELAY (P9)	0.18		1.5	0	SPARE	20	1
17	20	2	LOSS OF POWER RELAY (P9)	0.2	5.83		0.5	EXTERIOR LIGHTS (P16)	20	1
19	20	1	INTERIOR LIGHTS (P17)	1		12.5	0.5	COMM ROOM RECEPTS (P18)	20	1
21	20	1	SMOKE DETECTORS (P23)	0.1	5		0.5	COMM ROOM RECEPTS (P19)	20	1
23	20	1	CEILING RECEPTS RACK #1 & 2	0.6		10	0.6	CEILING RECEPTS RACKS 3 & 4	20	1
25	20	1	CEILING RECEPTS RACK 5 & 6	0.6	10		0.6	CEILING RECEPTS RACK 7 & 8	20	1
27	20	1	CEILING RECEPTS RACKS 9 & 10	0.6		10	0.6	DEHYDRATOR (P21)	20	1
29	100	2	FEED TO DP-2 (P30)	6	50.8		0.1	HYDROGEN EX FAN (P41)	20	1
31	100	2	FEED TO DP-2 (P30)	0		50	6	SPARE	20	1
33	20	1	BURGLAR ALARM	0.12	1		0	SPARE	20	1
35	20	1	SPARE	0		0	0	SPARE	20	1
37	20	1	SPARE	0	0		0	SPARE	20	1
39	20	1	SPARE	0		0	0	SPARE	20	1
41	20	1	SPARE	0	0		0	SPARE	20	1

TOTAL LOAD 20.6 166 172 20

PANELBOARD DIRECTORY "DP-2" 10

(LOCATED IN GENERATOR ROOM)
TYPE: LIGHTING & APPLIANCE MAIN BUS: 100AMP
SERVICE: 240/120 VAC, SINGLE PHASE, 3-WIRE NEUTRAL: FULL
MOUNTING: SURFACE MAIN BKR: MAIN LUGS ONLY
POLE: 30 CIRCUIT AIC: 22000 AMPS

CKT	BREAKER		LOAD SERVED	AMPS			LOAD SERVED	BREAKER		CKT
	#	TRIP		POLES	KVA	A		B	KVA	
1	20	1	GEN-SET HEATERS (P32)	1.6	13.3	0	SPARE	50	1	2
3	20	1	EXT LIGHTS (P34)	0.5	4.2	0	SPARE	50	1	4
5	20	1	SMOKE DETECTOR (P39)	0.1	5.0	0.5	RECEPTS (P36)	20	1	6
7	20	1	SPARE	0	8.3	1.0	EXHAUST FAN (P37)	20	1	8
9	20	1	SPARE	0	0	0	SPARE	20	1	10
11	20	1	SPARE	0	0	1.7	INTERIOR LIGHTS (P35)	20	1	12
13	20	1	SPARE	0	0	0	SPARE	20	1	14
15	20	1	SPARE	0	0	0	SPARE	20	1	16
17	20	1	SPARE	0	0	0	SPARE	20	1	18
19	20	1	SPARE	0	0	0	SPARE	20	1	20
21	20	1	SPARE	0	0	0	SPARE	20	1	22
23	20	1	SPARE	0	0	0	SPARE	20	1	24

TOTAL LOAD 2.2 18.3 14 1.7

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LARRY M. SMITH, P.E.
FLORIDA P.E. LICENSE NO.: 45997
PROJECT ID NO.
100088
DRAWING NUMBER
E6101
SHEET
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The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.