



PROJECT DESIGN SEGMENT 20410

BILL OF MATERIALS

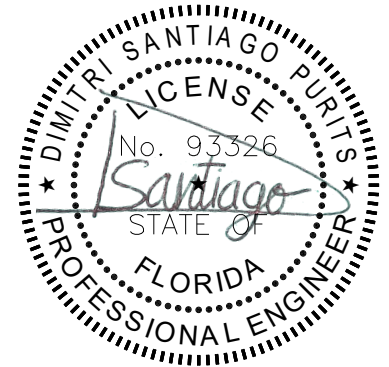
Facility Name: PICKETTVILLE

Project Name: AC PANEL REPLACEMENT

Project #: 8009726

Issued For: Construction

Revision: 2



GENERAL NOTES:

1. THE BILL OF MATERIALS (BOM) IDENTIFIES ITEMS THAT ARE IMPORTANT, UNIQUE, AND/OR HAVE A LONG LEAD TIME. THE LIST WILL ALSO IDENTIFY WHO WILL BE RESPONSIBLE FOR FURNISHING THE ITEMS.
2. ALL MATERIALS PROCURED OR RECEIVED BY THE CONTRACTOR SHALL REMAIN IN THE CARE, CUSTODY, AND CONTROL OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE. CONTRACTOR WILL BE RESPONSIBLE FOR ANY LOSS OR DAMAGE TO SAID MATERIAL.
3. ALL OTHER MATERIAL REQUIRED FOR A PROJECT COMPLETION THAT MAY BE REASONABLY INFERRED FROM THESE DRAWINGS AND SPECIFICATIONS, BUT NOT SPECIFICALLY LISTED, SHALL BE SUPPLIED BY THE CONTRACTOR IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS, BEST INDUSTRY PRACTICES, AND PREVAILING CUSTOM. LITERAL ADHERENCE SHALL NOT RELIEVE THE CONTRACTOR OF THE ULTIMATE RESPONSIBILITY FOR ACCOMPLISHING THE INTENT OF THE PROJECT. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO ALL SOIL, REBAR, CONCRETE, AGGREGATE, GEOTEXTILES, PIPE, CONTAINMENT LINER, FENCING, LANDSCAPING, CONDUIT, CONDUIT FITTINGS AND HARDWARE, GROUNDING CONDUCTOR AND CONNECTORS, CLAMPS, UNISTRUT, FASTENERS, MISCELLANEOUS ELECTRICAL EQUIPMENT, WIREWAY, ELECTRICAL BOXES, RECEPTACLES, SWITCHES, TERMINAL BLOCKS, CONNECTORS, POWER CABLE, FITTINGS, ALL LABELING MATERIALS, ETC.

ID	Qty	Unit	Description	Manufacturer	Manufacturer PART #	JEA ITEM ID	Furnished By	Comments	Rev
1	1	EA	AC PANEL, 3 PHASE, 400A, 120/240V, TIN PLATED ALUMINUM BUS, 42kAIC, MAIN 400A BREAKER BOTTOM FED, SURFACE MOUNTED, SIX 225A 3 PH BREAKERS	EATON	PLR3X	N/A	CONTRACTOR	MAIN AC PANEL (SEE PI2026LV1)	
2	1	EA	AC PANEL, 3 PHASE, 225A, 120/240V, TIN PLATED ALUMINUM BUS, 42kAIC, MAIN 225A BREAKER BOTTOM FED, SURFACE MOUNTED, 42 POSITIONS	EATON	PLR2X	N/A	CONTRACTOR	AC PANEL "YP-1" (SEE PI2026LV1)	
3	1	EA	SURGE PROTECTIVE DEVICE, 240V, 120kA, NEMA 4X	EATON BUSSMAN	BSPD-120-240D-1-P	N/A	CONTRACTOR	INSTALLED AT MAIN AC PANEL	
4	1	EA	CT CABINET, ALUMINUM, NEMA 3R, 32X32X15, W/ FULL HINGED LOCAKBLE COVER.	HOFFMAN	A323215	N/A	CONTRACTOR		
5	1	EA	METER CAN	TO BE SPECIFIED BY JEA METERING GROUP	TO BE SPECIFIED BY JEA METERING GROUP	N/A	JEA		
6	3	EA	CURRENT TRANSFORMER, WINDOW-TYPE, 600V	TO BE SPECIFIED BY JEA SPCP	TO BE SPECIFIED BY JEA SPCP	N/A	JEA		
7	40	FT	ALUMINUM ANGLE, 3"X3"X1/4"	N/A	6061-T6	N/A	CONTRACTOR	AC PANEL MOUNTING	
8	LOT	EA	3/8" S.S. HARDWARE	N/A	N/A	N/A	CONTRACTOR	AC PANEL MOUNTING	
9	2	EA	6"X10', GALVANIZED STAINLESS STEEL PIPE, SCH.40, 316/316L, W/ CAP	N/A	ORDER BY DESCRIPTION	N/A	CONTRACTOR	EQUIPMENT RACK POSTS	2
10	LOT	EA	1/2" STAINLESS STEEL HARDWARE	N/A	ORDER BY DESCRIPTION	N/A	CONTRACTOR	EQUIPMENT RACK MOUNTING	1
11	2	EA	2500 PSI CONCRETE BASE FOR EQUIPMENT RACK POSTS, 18" DIA.	N/A	ORDER BY DESCRIPTION	N/A	CONTRACTOR	EQUIPMENT RACK MOUNTING	2
12	40	FT	1-5/8" X 1-5/8", 12 GAUGE, UNISTRUT CHANNELS (P1000T)	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
13	40	FT	1-5/8" X 1-5/8", 12 GAUGE, UNISTRUT CHANNELS (P1001T)	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
14	60	FT	7#5 COPPERWELD CONDUCTOR	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR	AC PANEL GROUNDING	
15	15	FT	#4 SOFT DRAWN COPPER CONDUCTOR	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR	CABINET & METER BOX GROUNDING	
16	10	EA	GROUND CLAMP, SINGLE CABLE TO FLAT, #4 SOL. - 300MCM, TIN PLATED	AFL; ANDERSON; DOSSERT; HOMAC; SEFCOR; TRAVIS FOUNDRY-PDU	AFL #GF30-GS-SN; ANDERSON #GC-141A-G2-TP; DOSSERT #GF30-SN; HOMAC #2709-1-30EHR; SEFCOR #GTC-14-SND; TRAVIS FOUNDRY-PDU #17-159TPA	CNNGR652	JEA	PANEL GROUNDING	
17	6	EA	BRONZE GROUND CLAMP, TWO CABLES TO FLAT, #4 SOL -300 MCM OR 7#5 COPPERWELD, TIN PLATED	AFL; ANDERSON; DOSSERT; HOMAC; SEFCOR; TRAVIS FOUNDRY-PDU	AFL #GAV30-GS-SN; ANDERSON #GC-143A-G2-TP; DOSSERT #GAV30-SN; SEFCOR #GTC2-14-SND; TRAVIS FOUNDRY-PDU #17-164TPA	CNNGR662	JEA	PANEL GROUNDING	
18	300	FT	3" SCH. 40 PVC CONDUIT	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
19	12	EA	3" PVC 90 DEGREE BEND, 24" SWEEP	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
20	5	EA	3" PVC 45 DEGREE BEND, 24" SWEEP	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
21	10	EA	3" PVC MALE ADAPTER	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
22	1	EA	3" TO 2" PVC REDUCER	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
23	6	EA	3" PVC COUPLER	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
24	2	EA	3" PVC CONDUIT BODY, TYPE LB	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
25	2	EA	3" UNISTRUT PVC CLAMP	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
26	170	FT	2" SCH. 40 PVC CONDUIT	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
27	10	FT	2" LIQUIDTIGHT NON-METALLIC FLEXIBLE CONDUIT	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
28	10	EA	2" PVC 90 DEGREE BEND, 24" SWEEP	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		

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29	2	EA	2" PVC 45 DEGREE BEND, 24" SWEEP	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
30	9	EA	2" PVC MALE ADAPTER	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
31	2	EA	2" PVC FEMALE ADAPTER	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
32	2	EA	2" LIQUIDTIGHT CONNECTOR	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
33	5	EA	2" PVC CONDUIT BODY, TYPE LB	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
34	2	EA	2" UNISTRUT PVC CLAMP	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
35	4	EA	2" PVC COUPLER	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
36	3	EA	2" PVC END CAP	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
37	4	EA	CEMENT, CLEAR, QUICK-SET, ONE-QUART CANS	CAN TEX; CARLON; CONDUX; IPS; LCP CHEMICALS AND PLASTICS INC; RECTOR SEAL; UNITED ELCHEM IND.; WELD-ALL	CAN TEX # 7210413; CARLON # VC9982; CONDUX # 85191-03; IPS # WELD-ON#705; LCP CHEMICALS AND PLASTICS INC # 403-2; RECTOR SEAL # 55985; UNITED ELCHEM IND. # 40436S; WELD-ALL # EZ WELD 204	ADCGR002	CONTRACTOR		
38	20	LF	P1000 UNISTRUT	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR		
39	2800	LF	600V, SINGLE CONDUCTOR POWER CABLE, 4/0 AWG, TYPE RHH OR RHW-2, XLPE INSULATED	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR	15% BUFFER APPLIED TO TOTAL LENGTH	
40	1010	LF	600V, SINGLE CONDUCTOR POWER CABLE, #2 AWG, TYPE RHH OR RHW-2, XLPE INSULATED	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR	15% BUFFER APPLIED TO TOTAL LENGTH	1
41	550	LF	A/C CABLE #10 3/C	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR	15% BUFFER APPLIED TO TOTAL LENGTH	1
42	0	LF	A/C CABLE #10 2/C	ORDER BY DESCRIPTION	ORDER BY DESCRIPTION	N/A	CONTRACTOR	THIS ITEM TO BE REMOVED FROM BOM	2