



**PROJECT DESIGN SEGMENT 20410
DINSMORE 26kV METERING ADDITION
MATERIALS FURNISHED BY OWNER**

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING THE JEA STOCK MATERIAL THROUGH THE JEA PROJECT REPRESENTATIVE AT LEAST TWO (2) WEEKS IN ADVANCE OF NEED, RECEIVING AND LOADING THE MATERIAL AT AN ARBITRARY JEA LOCATION WITHIN DUVAL COUNTY, FLORIDA, AS WELL AS TRANSPORTING THE MATERIAL TO THE SUBSTATION SITE, OFFLOADING AND INSTALLING THE MATERIAL AT THE JOBSITE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORTING, OFFLOADING AND INSTALLING THE RELAY / CONTROL SWITCHBOARD PANELS IN THE (SUBSTANTIALLY COMPLETED) CONTROL HOUSE FROM AN ARBITRARY JEA LOCATION WITHIN DUVAL COUNTY, FLORIDA.
3. THE OWNER SHALL FURNISH, TRANSPORT AND INSTALL THE COMMUNICATIONS AND SECURITY RACKS IN THE CONTROL HOUSE.
4. ALL MATERIALS PICKED UP OR RECEIVED BY THE CONTRACTOR SHALL REMAIN IN THE CARE, CUSTODY AND CONTROL OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LOSS OR DAMAGE TO SAID MATERIALS.
5. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING MISCELLANEOUS ITEMS NOT LISTED IN THIS MATERIAL LIST, AS WELL AS ADDITIONAL MATERIALS LISTED ON THE DRAWINGS AND IN THE SPECIFICATIONS. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO THE CABLE TRENCH COMPONENTS, CONDUIT, CONDUIT FITTINGS AND HARDWARE, GROUNDING CONDUCTOR AND CONNECTORS, CLAMPS, UNISTRUT, FASTENERS, CONTROL HOUSE ELECTRICAL EQUIPMENT, CABLE TRAY, MISCELLANEOUS ELECTRICAL EQUIPMENT, WIREWAY, ELECTRICAL BOXES, ELECTRICAL POWER PANELS, RECEPTACLES, SWITCHES, TERMINAL BLOCKS, CONNECTORS, POWER CABLE, FITTINGS, ALL LABELING MATERIALS, ETC.

SUBSTATION MATERIAL PACKAGER NOTES:

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR RECEIVING, UNLOADING, AND INSTALLING THE MATERIALS FROM THE OWNER'S SUBSTATION PACKAGER IN THE MANNER INDICATED IN THESE SPECIFICATIONS AND DRAWINGS.
2. THE CONTRACTOR SHALL REQUEST DELIVERY OF THESE ITEMS VIA THE PROJECT REPRESENTATIVE. THE AVAILABILITY OF THESE ITEMS IS CLOSELY LINKED TO THE PROJECT SCHEDULE AS LISTED IN THESE SPECIFICATIONS AND DRAWINGS.
3. THE COLUMN LISTED AS "ITEM ID #" CORRESPONDS TO THE ITEM CIRCLES SHOWN ON THE SUBSTATION PACKAGER DRAWINGS. WHERE DISCREPANCIES EXIST; THE CONTRACTOR SHOULD NOTIFY THE PROJECT ENGINEER IN WRITING FOR CLARIFICATION AND / OR CORRECTION.

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ITEM #	QTY	DESCRIPTION	MANUFACTURER	PART #	COMMENTS	PROCUREMENT BY
1.	6	METERING CURRENT TRANSFORMER, 600:5A, 25.5kV, ACCURACY: 1:0.15SB1.2	N/A	N/A	-	DISTRAN
2.	6	POTENTIAL TRANSFORMER, 14400:120V, 25.5kV. ACCURACY: 4:015WYZ	N/A	N/A	-	DISTRAN
3.	1	26kV 3Ø BUS AND METERING SUPPORT STRUCTURE	N/A	N/A	-	DISTRAN
4.	1 LOT	RIGID BUS PIPE, ALUMINUM, 2" DIA. NPS, SCH 40, 6063-T6, ASTM B241	N/A	N/A	-	DISTRAN
5.	24	TERMINAL, 954 AAC OR 795 ACSR TO 4 HOLE, 4" WIDE PAD, WELDED	N/A	N/A	-	DISTRAN
6.	1 LOT	BUS, ANGLE, 4IN X 4IN X ¼ IN X 25'	N/A	N/A	-	DISTRAN
7.	6	954 AAC TO 2 HOLE, 4" WIDE PAD, WELDED, SEFCOR WFC-35-2B OR APPROVED EQUAL	N/A	N/A	-	DISTRAN
8.	6	CONNECTOR, CORONA END PLUG TO TUBE, ALUMINUM, 2" IPS	N/A	N/A	SEE DN2018-E53 & DN2018- E54 FOR MORE INFORMATION	JEA
9.	6	CONNECTOR, WELDMENT COUPLER, ALUMINUM, TUBE TO TUBE, TYPE WCI, 2" IPS	N/A	N/A	SEE DN2018-E53 & DN2018- E54 FOR MORE INFORMATION	JEA
10.	6	CONNECTOR, WELDMENT BUS SUPPORT, ALUM, TUBE TO INSULATOR, 2" IPS TO 3" BCD, INCLUDING MOUNTING HARDWARE	N/A	N/A	SEE DN2018-E53 & DN2018- E54 FOR MORE INFORMATION	JEA
11.	6	INSULATOR, STATION POST, TR-210, ANSI-70 GRAY, STANDARDS STRENGTH, 34.5 KV CLASS, 200 KV BIL, 3" BCD, 18" HEIGHT	N/A	N/A	SEE DN2018-E53 & DN2018- E54 FOR MORE INFORMATION	JEA
12.	1 LOT	CONDUCTOR, 954 KCM (AAC), 61 STRAND "GOLDENROD"	N/A	N/A	SEE DN2018-E53 & DN2018- E54 FOR MORE INFORMATION	JEA
13.	1 LOT	CONDUCTOR, #2 (AAAC), 7 STRAND, BARE ALL ALUMINUM ALLOY	N/A	N/A	SEE DN2018-E53 & DN2018- E54 FOR MORE INFORMATION	JEA
14.	1 LOT	CONTROL CABLE, VARIOUS TYPES, FOR OUTDOOR EQUIPMENT – P&C	N/A	N/A	SEE CABLE SCHEDULE, SUBSTATION STANDARDS REFERENCE MANUAL, SEC. 6.3, SPECIFICATIONS SEC. 337243	JEA
15.	18	GROUND CONNECTOR, COPPER TERMINAL, 1-HOLE, #1-4/0 AWG, BURNDY KA28	N/A	N/A	-	DISTRAN

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ITEM #	QTY	DESCRIPTION	MANUFACTURER	PART #	COMMENTS	PROCUREMENT BY
16.	2	CONNECTOR, SPLIT BOLT, 4/0 AWG 19-STRAND CU TO FENCE, BARBED WIRE OR GROUND MAT, BURNDY KS29	N/A	N/A	-	DISTRAN
17.	1	GROUND CONNECTORM BRONZE BOLTED, 7#5 COPPERWELD TO FLAT, ANDERSON CAT # GC-141A-G2 OR APPROVED EQUAL	N/A	N/A	-	DISTRAN
18.	24	GROUND CONNECTOR, BRONZE BOLTED, TWO (2) 7#5 COPPERWELD TO FLAT, ANDERSON CAT # GC-143A-GS OR APPROVED EQUAL	N/A	N/A	-	DISTRAN
19.	6	BRONZE STRAIGHT BOLTED TERMINAL, CABLE TO 2-HOLE FLAT	N/A	N/A	-	JEA
20.	6	CONNECTOR, BI-METALLIC TRANSITION PLATE	N/A	N/A	-	JEA
21.	1 LOT	#2 HARD DRAWN BARE COPPER	N/A	N/A	-	JEA
22.	12	1" X 2'-6" F1554 GR AB W/ (2) FW & (5) HHN	N/A	N/A	-	DISTRAN
23.	3	TEMPLATE FOR 1" ABOLTS	N/A	N/A	-	DISTRAN
24.	1 LOT	BOLTS, MACHINE, STAINLESS STEEL, HEX HEAD WITH ASSOCIATED STAINLESS STEEL WASHERS AND NUTS FOR 1-H PAD, 2-H PAD & 4-H PAD CONNECTIONS.	N/A	N/A	SEE DN2018-E53 & DN2018- E54 FOR MORE INFORMATION	JEA