



**PROJECT DESIGN SEGMENT 20410
SJRPP 230/26KV SUBSTATION
BILL OF NON-STOCK ELECTRICAL MATERIALS**

GENERAL NOTES:

1. THE PURPOSE OF THE NON-STOCK MATERIAL LIST IS TO IDENTIFY LONG LEAD TIME OR OTHERWISE UNIQUE OR IMPORTANT MATERIAL THAT IS TYPICALLY A NON-STOCK ITEM FOR JEA, OR IS NOT USUALLY STOCKED IN SUFFICIENT QUANTITY. THE MATERIAL MAY BE PROVIDED BY JEA TO THE CONTRACTOR, OR MAY BE REQUIRED TO BE PROCURED BY THE CONTRACTOR. ALL MATERIAL SHALL BE PROVIDED BY THE CONTRACTOR UNLESS NOTED AS BEING PROCURED BY "OWNER".
2. THE CONTRACTOR SHALL DETERMINE THE SCOPE OF SUPPLY BASED ON ENGINEERING DRAWINGS AND THE CONTRACT DOCUMENTS. THE MATERIAL REPRESENTED IN THE DOCUMENTS IS PROVIDED AS AN ENGINEERING ESTIMATE TO ASSIST WITH BIDDING AND PRELIMINARY PROJECT PLANNING. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL QUANTITIES.
3. 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.
4. ALL OTHER MATERIAL REQUIRED FOR A COMPLETE INSTALLATION 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.

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.	LOT	GROUNDING MATERIAL	-----	-----	-----	CONTRACTOR
2.	LOT	CONDUIT MATERIALS	-----	-----	SEE CONDUIT SCHEDULE	CONTRACTOR
3.	LOT	600V AC PANELS & BREAKERS; YARD JUNCTION BOXES, HOFFMAN BOXES	-----	-----	-----	CONTRACTOR
4.	LOT	600V POWER CABLE	-----	-----	SEE CABLE SCHEDULE	CONTRACTOR
5.	LOT	1PH 120V DUPLEX RECEPTACLES			SEE NOTE 2	CONTRACTOR
6.	LOT	MISC. MATERIALS TO COMPLETE PROJECT	-----	-----	SEE GENERAL NOTE 4	CONTRACTOR
7.	LOT	(APPROX 7,300') GROUND CONDUCTOR, HS 19#8 COPPERWELD, 40% CONDUCTIVITY	AFL	CCS19084H	BELOW GRADE MATERIAL <u>NOTE: ABOVE GRADE 7#5 CW MATERIAL BY PACKAGER</u>	CONTRACTOR
8.	50	(FEET) GROUND CONDUCTOR, BARE 500 KCMIL COPPER, MEDIUM-HARD DRAWN	SOUTHWIRE	500KCMIL / 37 STRAND	CONDUCTOR FOR TRANS NEU	CONTRACTOR
9.	LOT	GROUND ROD, COPPERCLAD STEEL, 5/8" DIAMETER, 10' SECTION	ERICO	615803	-----	CONTRACTOR
10.	LOT	CADWELD SYSTEM MOLDS, WELD METALS, IGNITION, CLAMPS, BRUSHES, RASPS AND OTHER MATERIAL AS REQUIRED	CADWELD	VARIOUS	-----	CONTRACTOR
11.	34	AREA LIGHT 135W	BEACON	VP-1-160L-135-4K7-4W	AREA LIGHTS	CONTRACTOR
12.	5	AREA LIGHT 69W	HUBBEL	WGH2-LSCS-5K-70W	WALLPACK LIGHT	CONTRACTOR
13.	2	DRY TYPE 3-PH 208/480 TRANSFORMER. 15KVA. VENTILATED.	EATON	V48M28T1516C USS	PERIMETER LIGHT UP/DOWN TRANS	CONTRACTOR