



**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 NOTE: ABOVE GRADE 7#5 CW MATERIAL BY PACKAGER | 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 |