



**PROJECT DESIGN SEGMENT 20410
DINSMORE 26kV METERING ADDITION
BILL OF NON-STOCK 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.	2	ENCLOSURE, NEMA 4X STAINLESS STEEL WITH LOCKABLE PIANO HINGED DOOR, AUSTIN AB-363012NFX WITH SUBPANEL AB-3630TP OR APPROVED EQUAL	N/A	N/A	SEE DN2018-ED3	CONTRACTOR
2.	6	TERMINAL BLOCK, GE CAT. #EB25B06C, 6 POINT, 600V, 30A, WITH COVER AND WASHER-HEAD SCREWS	N/A	N/A	SEE DN2018-ED3	CONTRACTOR
3.	2	FUSE BLOCK, 3-POLE, 250V, 30A, EATON CAT. #RM60030-3CR	N/A	N/A	SEE DN2018-ED3	CONTRACTOR
4.	2	DUMMY FUSE NEUTRAL, 250V, 30A, EATON BUSSMAN CAT #. NTN-R-30	N/A	N/A	SEE DN2018-ED3	CONTRACTOR
5.	6	TERMINAL BLOCK, GE CAT. #EB27B04SC, 4 POINT, 600V, 30A, STANDARD CONNECTORS WITH SHORT CIRCUIT BAR	N/A	N/A	SEE DN2018-ED3	CONTRACTOR
6.	2	HEATER, EDISON SCREW BASE, 120V, 100W, CHROMALOX. P/N SCB-100-253833	N/A	N/A	SEE DN2018-ED3	CONTRACTOR
7.	2	SOCKET, SCREW BASE HEATHER, CLEAT RECEPTACLE, PORCELAIN KEYLESS SCREW TERMINALS, 660 WATTS, 250 VAC EAGLE BRANDS P/N 657-BOX OR APPROVED EQUAL	N/A	N/A	SEE DN2018-ED3	CONTRACTOR
8.	6	BUSSMAN LPS 20A FUSE, EATON CAT. #LPS-RK-20SP OR APPROVED EQUAL	N/A	N/A	SEE DN2018-ED3	CONTRACTOR
9.	2	FUSE BLOCK, 1-POLE, 250V, 30A, MERSEN CAT. #60306R	N/A	N/A	SEE DN2018-ED3	CONTRACTOR
10.	1 LOT	STRUT SYSTEM-NUT, LOCK, WITH SPRING, ½", UNISTRUT: P-1010 OR APPROVED EQUAL	N/A	N/A	SEE DN2018-ED3 AND DN2018-CP3 FOR MORE INFORMATION	CONTRACTOR
11.	1 LOT	STRUT SYSTEM-SCREW, CAP, HEX HEAD, ½" X 1-3/16" UNISTRUT: HHCS050125EG OR APPROVED EQUAL	N/A	N/A	SEE DN2018-ED3 AND DN2018-CP3 FOR MORE INFORMATION	CONTRACTOR
12.	1 LOT	STRUT CHANNEL 1-5/8IN X 1-5/8IN, HOT DIP GALVANIZED AFTER FABRICATION UNISTRUT: P1000T OR APPROVED EQUAL	N/A	N/A	SEE DN2018-ED3 AND DN2018-CP3 FOR MORE INFORMATION	CONTRACTOR

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ITEM #	QTY	DESCRIPTION	MANUFACTURER	PART #	COMMENTS	PROCUREMENT BY
13.	1 LOT	BELOW GRADE PVC CONDUIT WITH ASSOICATED ELBOWS, FITTINGS, REDUCERS, COUPLERS, ADHESIVES AND ALL OTHER MATERIALS REQUIRED FOR CONDUIT INSTALLATION	N/A	N/A	SEE CONDUIT SCHEDULE – DN2018-CP3, SUBSTATION STANDARDS REFERENCE MANUAL, SEC. 6.2 – SPECIFICATIONS SEC.'S 337119.23 AND 327233.33	CONTRACTOR
14.	1 LOT	ABOVE GRADE CONDUIT (PVC, RGS AND FLEX) WITH ASSOICATED CONDUIT FITTINGS, ELBOWS, COUPLERS, REDUCERS, ADHESIVES AND ALL OTHER MATERIALS REQUIRED FOR CONDUIT INSTALLATION	N/A	N/A	SEE CONDUIT SCHEDULE – DN2018-CP3, SUBSTATION STANDARDS REFERENCE MANUAL, SEC. 6.2 – SPECIFICATIONS SEC.'S 337119.23 AND 327233.33	CONTRACTOR
15.	1 LOT	LOW VOLTAGE POWER CABLE, VARIOUS TYPES (FOR OUTDOOR EQUIPMENT, HEATERS)	N/A	N/A	SEE CABLE SCHEDULE, SPECIFICATIONS SEC. 337243	CONTRACTOR
16.	1 LOT	CADWELD MOLDS, FOR ALL GROUND GRID CONNECTIONS (EXOTHERMIC MOLDS), VARIOUS SIZES, CONFIGURED AS REQUIRED FOR GROUND GRID CONDUCTOR CONNECTIONS, STINGER GRID CONNECTIONS AND GROUND ROD GRID CONNECTIONS	N/A	N/A	SEE DN2018-GP3, DN2018- GD1 AND SPECIFICATIONS SEC.337919 & 337923	CONTRACTOR
17.	1 LOT	CADWELD CARTRIDGES, FOR ALL GROUND GRID CONNECTIONS (EXOTHERMIC SHOTS), VARIOUS SIZES, CONFIGURED AS REQUIRED FOR GROUND GRID CONDUCTOR CONNECTIONS, STINGER GRID CONNECTIONS AND GROUND ROD GRID CONNECTIONS	N/A	N/A	SEE DN2018-GP3, DN2018- GD1 AND SPECIFICATIONS SEC.337919 & 337923	CONTRACTOR
18.	1 LOT	GROUND GRID STINGER CONDUCTORS TO MISC. EQUIPMENT, JUNCTION BOXES- 7#5 COPPER CLAD STEEL CABLE	N/A	COBCW016	SEE DN2018-GP3, DN2018- GD1 AND SPECIFICATIONS SEC.337919 & 337923	CONTRACTOR
19.	1 LOT	7#5 CONDUCTOR FOR STRUCTURE	NA	NA	SEE DN2018-GP3, DN2018- GD1 AND SPECIFICATIONS SEC.337919 & 337923	CONTRACTOR
20.	1 LOT	MISC. GROUNDING CONNECTORS AND HARDWARE (ABOVE GRADE)	N/A	N/A	SEE DN2018-GD1 FOR MORE INFORMATION	CONTRACTOR

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ITEM #	QTY	DESCRIPTION	MANUFACTURER	PART #	COMMENTS	PROCUREMENT BY
21.	1 LOT	CONCRETE, 4000PSI	N/A	N/A	SEE SPECIFICATIONS, SEC.'S 331000, 033000	CONTRACTOR
22.	1 LOT	REBAR, #8 BARS A615 GR, 60	N/A	N/A	SEE DN2018-FD3 & SPECIFICATIONS SEC. 032000	CONTRACTOR
23.	1 LOT	REBAR, #3 CIRCULAR TIES A615 GR, 60	N/A	N/A	SEE DN2018-FD3 & SPECIFICATIONS SEC. 032000	CONTRACTOR
24.	1 LOT	BOLTS, GALVANIZED STEEL, WITH ASSOCIATED GALVANIZED STEEL WASHERS AND NUTS FOR EQUIPMENT MOUNTING	N/A	N/A	SEE DN2018-E53 & DN2018- E54 FOR MORE INFORMATION	CONTRACTOR