

I. MATERIAL

A. THE DUPLEX ALUMINUM SELF-SUPPORTING CABLE SHALL CONSIST OF ONE ALL ALUMINUM #2 AWG, 7 STRAND CONDUCTOR AND ONE ACSR #2 AWG, 6/1 STRAND CONDUCTOR. THE #2 AWG, 7 STRAND ALUMINUM CONDUCTORS SHALL HAVE 0.045 INCHES OF BLACK, CROSS-LINKED POLYETHYLENE INSULATION RATED AT 600 VOLT. THE ACSR #2 AWG, 6/1 STRAND CONDUCTOR SHALL BE BARE.

THE INSULATION SHALL BE CHEMICALLY CROSS-LINKED, LIGHT AND HEAT RESISTANT, THERMOSETTING POLYETHYLENE AND COMPLY WITH THE LATEST ASA SPECIFICATION NO. C8.35, AND ICEA S-19-81.

THE ALUMINUM WIRE SHALL COMPLY WITH THE LATEST APPLICABLE ASTM B-230, B-231, B-232, B-399, AND B-786 SPECIFICATIONS FOR ALUMINUM WIRE AND STRANDED ELECTRICAL CONDUCTORS.

B. THE SECONDARY RACKS SHALL BE HEAVY DUTY, HOT DIPPED GALVANIZED STEEL, WITH SINGLE 3" SPOOL INSULATOR TO PORCELAIN PRODUCTS #5101 OR APPROVED EQUAL.

C. THE SPLICES SHALL BE COMPRESSION TYPE, ALUMINUM, EQUAL TO BURNDY PRODUCT.

D. THE TIE WIRES SHALL BE #6 ALUMINUM.

E. THE THROUGH BOLTS, NUTS, AND WASHERS SHALL BE HOT DIPPED GALVANIZED, 5/8" DIAMETER.

F. THE INSULATING PADS SHALL BE APPROXIMATELY 3-1/4" X 4-1/2" X 0.125" SCOTCH #2200 OR APPROVED EQUAL.

II. INSTALLATION

THE OVERHEAD CIRCUIT SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE CONTRACT DRAWINGS AND INDICATED IN THE FIELD BY THE ENGINEER.

III. BASIS OF PAYMENT

| ITEM | UNIT | DESCRIPTION |
|---------|------|------------------------------------|
| MIS-401 | EACH | OVERHEAD CIRCUIT, 2 WIRE-#2 DUPLEX |

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| MIS-401 | DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER CITY OF COLUMBUS, OHIO | | |
| | OVERHEAD CIRCUIT, 2 WIRE- #2 DUPLEX | | |
| | DRAWN BY: A.S.S. | DATE: 1/1/2018 | |
| | APPROVED: <i>Andy A. Wilfong</i> | | |
| SCALE: NONE | SHEET: 1 OF 1 | 401 | |