

**PART 1**      **GENERAL**

**1.1**            **RELATED SECTIONS**

- .1      Section 01 33 00 – Submittal Procedures.
- .2      Section 01 74 21 – Construction/Demolition Waste Management and Disposal.
- .3      Section 26 05 00 - Common Work Results - Electrical.
- .4      Section 26 05 21 - Wire and Cables 0-1000 V.
- .5      Section 26 05 28 - Grounding - Secondary.
- .6      Section 26 05 34 - Conduits, Conduit Fastenings and Conduit Fittings.

**1.2**            **REGULATORY REQUIREMENTS**

- .1      Coordinate and meet requirements of power supply authority. Ensure availability of power when required.

**PART 2**      **PRODUCTS**

**2.1**            **MATERIAL**

- .1      Service mast: rigid galvanized steel conduit, suitable for attachment of support clamps, insulator rack, weatherhead, service drop fittings.
- .2      Service mast support devices: as required by inspection authority.
- .3      Weatherhead: galvanized steel to approval of supply authority.
- .4      Service drop conductors: to Section 26 05 21 - Wires and Cables (0-1000 V), copper, type RW90 XLPE, size and number of conductors as indicated. Black insulation with minimum 25% carbon black for all conductors. Identify neutral conductor with white tape.

**PART 3**      **EXECUTION**

**3.1**            **INSTALLATION**

- .1      Install service mast, insulator rack, weatherhead.
- .2      Install service drop conductors allowing sufficient conductor length for connection to service equipment.

- .3 Allow sufficient conductor length for connection to supply by power supply authority.
- .4 Allow sufficient conductor length for drip loops.
- .5 Make grounding connections in accordance with Section 26 05 28 - Grounding - Secondary.
- .6 Install cables in mast.
- .7 Provide support as required to secure mast
- .8 Provide a drain hole in bottom of exterior LB and pack LB where entering building.

### **3.2 FIELD QUALITY CONTROL**

- .1 Perform tests in accordance with Section 26 05 00 - Common Work Results – Electrical.
- .2 Perform additional tests as required by authority having jurisdiction.

**END OF SECTION**