USE: 3φ, 4-WIRE SERVICE
208Y/120V, 240/120V DELTA, OR 480Y/277V, 600A OR LESS

3φ UNDERGROUND SERVICE
FROM OVERHEAD, 600A

2-3/8" HEX HEAD BOLTS

COMPANY POLE

CONTINUATION OF DUCT
BY SERVICE PROVIDER ONLY

APPROVED STAND-OFF BRACKETS

FIRST 10 FT. OF DUCT TO BE STEEL
(RIGID OR INTERMEDIATE) OR ALUMINUM (RIGID)

NORMALLY 7'-0" - 12'-0" (SEE NOTE 2)

FINAL GRADE

6" MIN.

10'-0"

36"x90° STEEL SWEEP

ADAPTER

JUNCTION BOX
(SEE DETAIL A)

DUCT TO ENTER AT LOWER EDGE OF BOX

PVC SWEEP 36"x90°

FOR ALL DUCT SIZES (SEE SR-205). CONCRETE ENCASEMENT IS REQUIRED IF A CONDUIT RUN IS MORE THAN 150 FT. IN LENGTH, OR ANY LENGTH WITH A COMBINATION OF 270° (OR MORE) OF BENDS, NOT TO EXCEED 360°.

THESE REQUIREMENTS APPLY TO COMMERCIAL AND INDUSTRIAL CUSTOMERS SERVED UNDERGROUND FROM AN OVERHEAD SYSTEM WITH THREE-PHASE SERVICE ENTRANCE EQUIPMENT RATED 600A OR LESS AND 480V OR LESS.
Customer Responsibilities

1. Provide and install an approved secondary junction box. The box size to be determined by Design Services. The junction box must include a polymer concrete cover with recessed hex head bolts. Align the junction box so that the ducts terminate at the bottom edges of the ends (the faces having the shorter dimension). The top of the box shall be flush with established final grade. See item #7 for approved manufacturers.

2. Provide and install a duct from the bottom edge of the junction box to the Company pole. Extend the duct up the pole 10 feet above the top of the elbow. The conduit installation shall meet the requirements of SR-205. Concrete encasement is required if a conduit run is more than 150 feet in length, or any length with a combination of 270° (or more) of bends, not to exceed 360°. The vertical sweeps at each end require concrete encasement for a distance of 10 feet from centerline of the conduit run termination.

3. The duct size shall be 4 inches for service entrance ratings of 0-600 Amps. All risers must be secured to pole with standoff brackets (See Note 7 for material).

4. Provide and install service cable (maximum of three conductors per phase and a neutral) from the service entrance to the junction box. Cut cables so that they extend to the opposite end of the junction box to provide length required for assembly of connections by Service Provider. Conductors shall not be smaller than 1/0 AWG nor larger than 600kcmil. Secure the lid to the box with the hex head bolts.

5. Identify at the junction box, the neutral conductor(s) (and power leg conductor(s) if service voltage is 240/120V delta), in accordance with National Electrical Code requirements.

6. Identify all conductors with phase tape to insure proper connection. Each neutral conductor from a service lateral is to be identified with an aluminum embossed permanent address tag at the box, 12 inches above the conduits.

7. Material & Approved Manufacturers

<table>
<thead>
<tr>
<th>17&quot;x30&quot; Junction Box (20k Rated)</th>
<th>30&quot;x48&quot; Junction Box (20k Rated)</th>
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<tbody>
<tr>
<td>TEP Stores Number 7-07-5120</td>
<td>TEP Stores Number 7-07-5121</td>
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<tr>
<td>Armorcast Products Co., Cat. No. 6001640-AS</td>
<td>New Basis., Cat. No. FCA304818T-00042</td>
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<td>CDR Systems, Cat. No. ECAA173018100</td>
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<td>Quazite, PE1730BAPG1730CC17</td>
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<tr>
<td>Christy Concrete Prod., Cat. No. FL36BOX18</td>
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<tr>
<td>New Basis, Cat. No. FCA173018H-0004</td>
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4" Standoff Bracket

Aluma-Form, Inc., Cat. No. 4-CSO-7/.STK-4T, Lag Screw, 1/2"x4"

8. Rigid Steel, IMC, and Rigid Aluminum conduit must have a protective tape applied. The tape is to be installed starting at 6 inches above final grade down beyond the (HDPE or PVC) coupling joint. Use 10 mil. protection tape in a half lap installation.

Service Provider Responsibilities

1. Specify location for junction box and on which quadrant pole riser is to be attached. Location of the junction box will normally be 7 to 12 feet from pole, but should be in a non-traffic area. If located in a traffic area, protective posts must be installed per SR-230.

2. Provide and install continuation of duct on Company pole and ground the metal riser.

3. Provide and install cable in the duct from transformer to junction box.

4. Provide and install connectors at junction box. The load terminals of these connectors shall be the point of delivery for this installation.

5. Maintain the junction box after the service is connected to the Company distribution system.