

RULES FOR ELECTRIC METER & SERVICE INSTALLATIONS



RULE 4

- (a) Method of Service
- (b) PPL EU Designates Point of Attachment
- (c) Point of Attachment
- (d) Maximum Length of Service Drop
- (e) Service Attachment
- (f) Attachment for Low Buildings
- (g) Attachment to Customer-Owned Service Pole

RULE 4 - SECONDARY SERVICE — SERVICE DROP AND POINT OF ATTACHMENT INFORMATION

a. Method of Service:

The usual method of connection from PPL EU's distribution system to the customer's service entrance conductors is by an overhead service drop from PPL EU's pole to the customer's building or service support.

PPL EU generally provides only one service drop for one premises.

b. PPL EU Designates Point of Attachment:

PPL EU designates the point of attachment of the service drop on the customer's building or service support at the most practical location accessible from PPL EU's line and where the connections to the customer's service entrance conductors can be made from a ladder placed on the ground.

The customer is responsible for paying any the additional cost to move the point of attachment from PPL EU's preferred point, see **Tariff Rule 4A(5)** and **Tariff Rule 8A(1)** for more details.

c. Point of Attachment:

The point of attachment to a building or service support shall be below the service head and so located that the bottom wire of the service drop is not less than the clearances specified in **Rule 4B(a)**, nor more than 22 feet above finished grade.

In addition, the attachment shall be so located to provide minimum clearances at the building as follows:

| | Minimum |
|--|-----------|
| Clearance, in any direction from the outside perimeter of building openings such as windows, doors, porches, decks, balconies, fire escapes or similar locations | 36 inches |
| Vertical Clearance from floor of porches, decks, balconies, etc. accessible to pedestrians | 10 feet |
| Telephone service drop, radio, television lead-in, or satellite dish, etc. | 12 inches |
| Rainspout, gutter, vent pipe or ventilator opening | 12 inches |

See **Sketch # 1** Triplex service drop attachment on building

d. Maximum Length of Service Drop:

The customer, where necessary, provides space on customer's property for PPL EU to install its pole, transformer structure or substation at such location so that the length of PPL EU's overhead service drop does not exceed the following approximate lengths:

| Service Drop | Maximum |
|---|----------|
| #4 Triplex Aluminum | 150 feet |
| #1/0 Triplex Aluminum | 125 feet |
| #4/0 Triplex Aluminum and #2/0 or #4/0 Quadruplex Aluminum | 100 feet |
| Open 3 wire, #4/0 or 350 kcmil Copper and 350 kcmil or 500 kcmil Aluminum | 60 feet |
| Open 3 wire, 500 kcmil or larger Copper and 750 kcmil Aluminum | 60 feet |
| Open 4 wire, #4/0 or larger Copper and 350 kcmil or larger Aluminum | 60 feet |

e. Service Attachment:

When the building construction does not lend itself to satisfactory attachment point for a service bracket, see **Sketch #1A**. The customer shall install additional reinforcement to support the service drop attachment.

PPL EU supplies the three phase service rack to be installed by customer for new building construction or remodeling.

f. **Attachment for Low Buildings:**

When the building is of insufficient height to provide adequate clearances for the service drop, the customer furnishes, installs and maintains a support of sufficient height to provide the necessary clearance.

This support may be structural steel, steel pipe, or wood attached or not attached to the building. The support material shall be painted, finished, or treated to prevent significant deterioration over the anticipated life of the service and shall be sufficient strength, either by itself or with bracing, to support the service drop without permanent deformation. Any installation that does not follow the REMSI Sketches must be pre-approved by PPL EU.

Threaded galvanized rigid or intermediate steel conduit may be used for the mast shown on **Sketch #3** or **Sketch #3A**, **Sketch #3B**; see these sketches for minimum diameter.

Where conduit coupling is required, it shall not be installed above the roof line. Aluminum conduit is not acceptable.

g. **Attachment to Customer-Owned Service Pole:**

The service drop attachment may be made on a customer-owned service and meter pole when the customer desires connection in this manner, see **Sketch #5**, **Sketch #5A**, **Sketch #6**, **Sketch #10**, **Sketch #10A**, **Sketch #11**, **Sketch #13**.

The customer furnishes, installs and maintains this pole, and other supporting structures as needed on customer's property, of sufficient height to provide all necessary service drop clearances specified under paragraph (e) above.

The pole or structure shall be ANSI Class 5 minimum, preservative treated, and installed at specified depth in accordance with **Sketch #47**. Whenever the pole must be guyed to offset the pull of PPL EU's service drop or the customer's secondary distribution wires, the guy(s) is furnished, installed and maintained by the customer.

08-10-2006