

## 8 Multiple-Family Service

### 8.1 Basic Requirements

These requirements apply to a multiple-family service.

- An electrical label or permit must be displayed on the meter socket.
- The Customer must provide a conduit with pull string.
- The conduit must be rigidly attached to the building and be straight and vertical to the sweep in the trench.
- The Customer is responsible for providing a minimum 4- x 4-foot level workspace in front of all PGE electrical equipment.
- The Customer is responsible for recognizing potential surface and subgrade water flows that may create an entry of water into the Customer's electrical equipment. PGE will work with the Customer to assist in preventing this entry of water.
- The service conduit riser must be backfilled at least four inches deep with 3/4-inch minus crushed rock that is tamped to avoid soil settling.
- Before power is connected, each meter on a structure with multiple service must have a permanently engraved metal or hard plastic label with letters at least 3/8-inch high to identify each customer service address. Consult PGE for further label requirements. See **Figure 8-1**.



**Figure 8-1: Meter Label With Service Address**

NOTE: It is the Customer's responsibility to ensure that each meter socket is correctly labeled. PGE may check the meter installations to verify that they are correctly labeled, and charge the Customer a fee when a meter socket is incorrectly labeled. See PGE Schedule 300 and Tariff Rule M, Section 1.D.

- The house meter must be the safety-socket type. Where the meter serves lighting only, a bypass or safety socket is not required. See **Figure 8-2**.

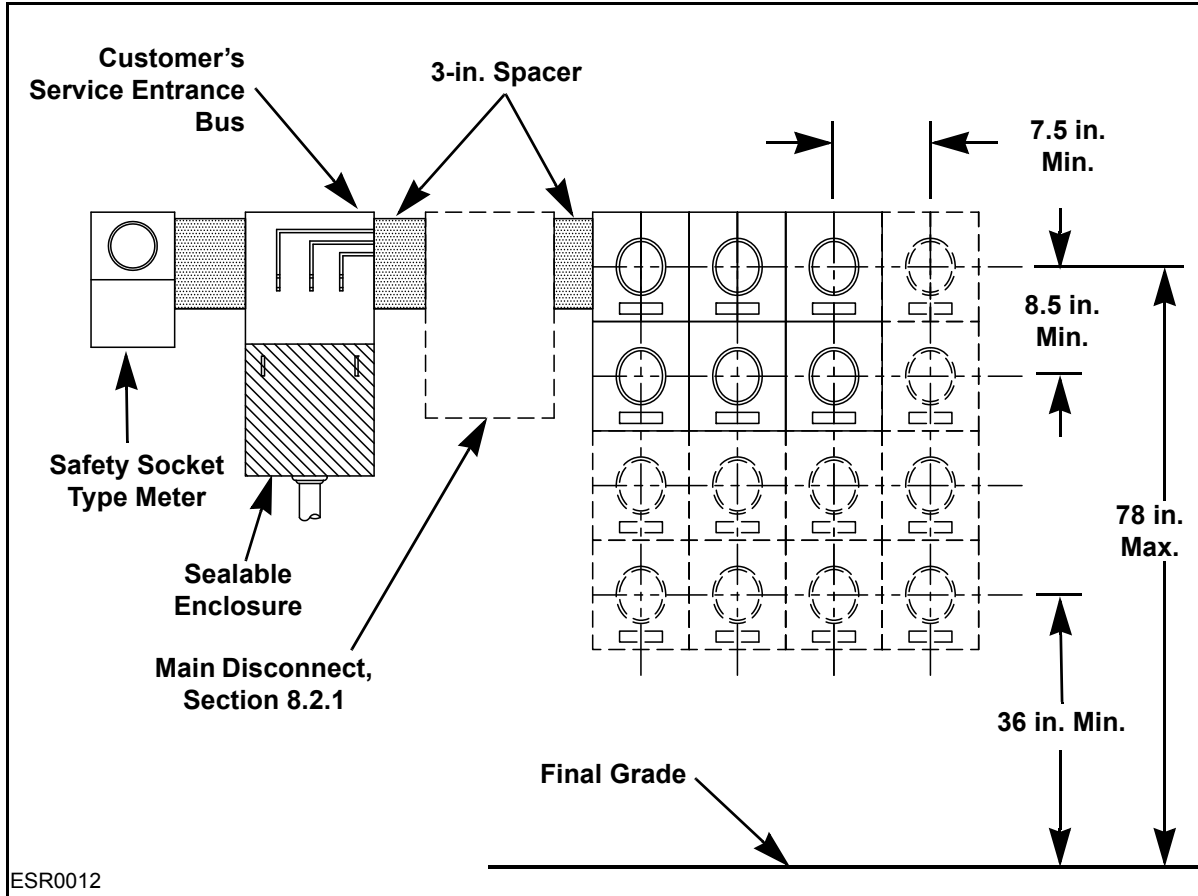
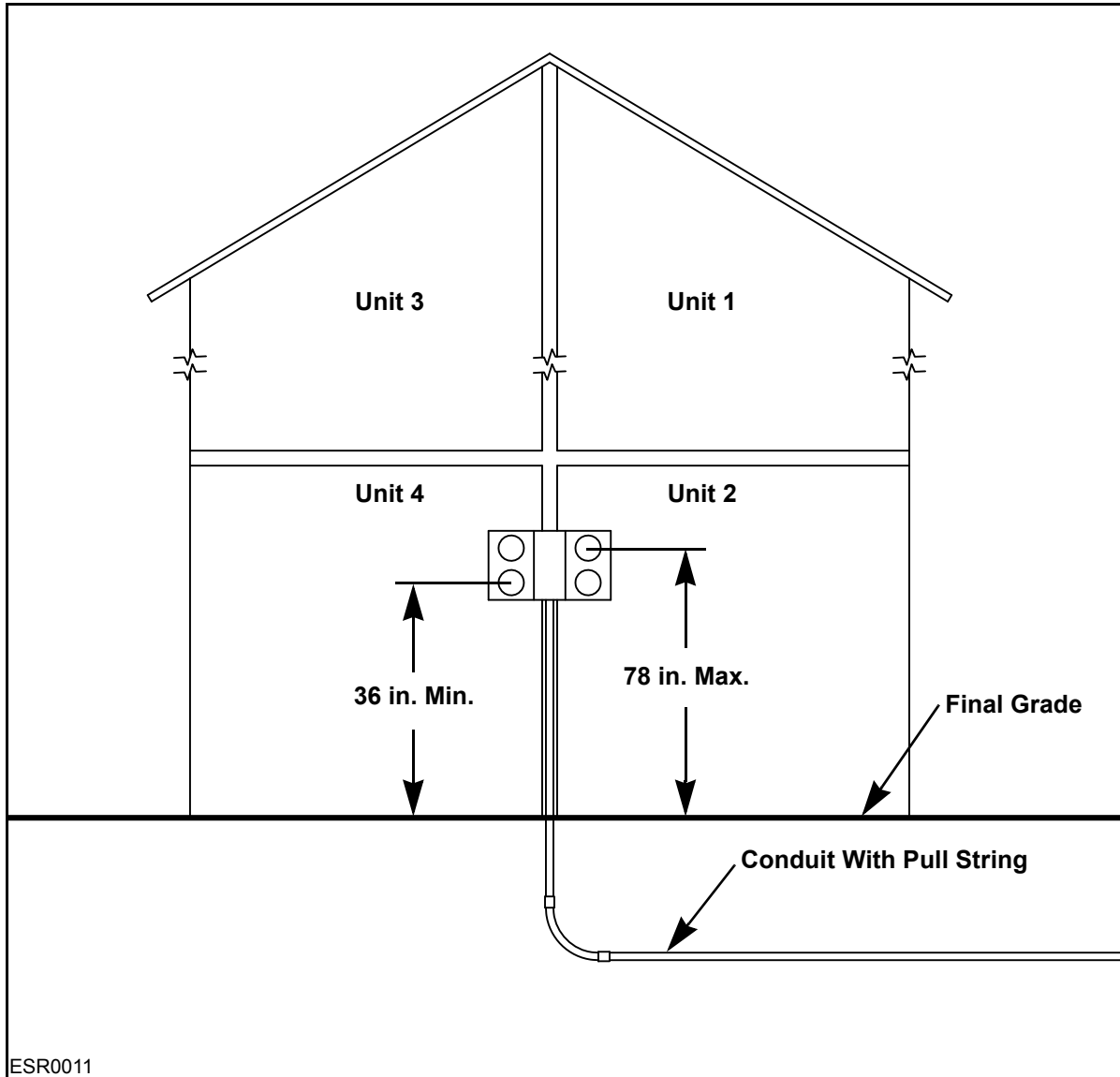


Figure 8-2: Meter Socket Installation for Underground and Overhead Multiple-Family Services

## 8.2 Grouping Service Entrances

PGE requires grouping of service entrances at a common point for multiple-family units such as duplexes, apartments, or accessory dwelling units (ADUs). See **Figure 8-3**.



**Figure 8-3: Underground Service for a Multiple-Family Dwelling**

### 8.2.1 Six-Disconnect Rule

PGE requires a main disconnect in front of all meter banks that contain more than six meters. The main disconnect must be in the same location as the meter bank. See **Figure 8-2**.

## 8.3 *Underground Service*

Follow the basic, locational, Electric Utility Service Equipment Requirement Committee (EUSERC), and National Electrical Code (NEC) requirements for underground multiple-family service.

For additional information, see Section 5, *Clearances*, and Section 6, *Underground Requirements*.

### 8.3.1 **Locational Requirements**

The following requirements apply to underground service:

- PGE will determine the exact location of the meters.
- The center of the lowest meter in a bank of meters must be a minimum of 36 inches from final grade. The highest meter in a bank of meters must be a maximum of 78 inches from the final grade. See **Figure 8-3**.
- A minimum 3-inch spacer is required between the disconnect or pull section and the meter socket panel. See **Figure 8-2**.

### 8.3.2 **EUSERC Requirements**

The following EUSERC requirements apply to underground service:

- The cable pulling section must be sized for PGE service termination ampacity per EUSERC 343 and must have bus extension drilled for landing lugs.
- When cross-busing is installed below or behind a termination position, EUSERC 347 requires that cross-busing be fully insulated or a barrier must be installed.
- Refer to EUSERC 353 for minimum and maximum dimensions to meet spacing and stacking requirements.

## 8.4 *Service Terminating Arrangements*

**Figure 8-4** shows typical service terminating arrangements when there is a two-meter socket module that is rated 0 to 200 amps.

**Figure 8-5** shows typical service terminating arrangements when there is a three-to six-meter socket module that is rated 201 to 600 amps.

Refer to **Table 8-1** for the dimensions of the terminating section for meter socket modules rated 0 to 600 amps per EUSERC 342.

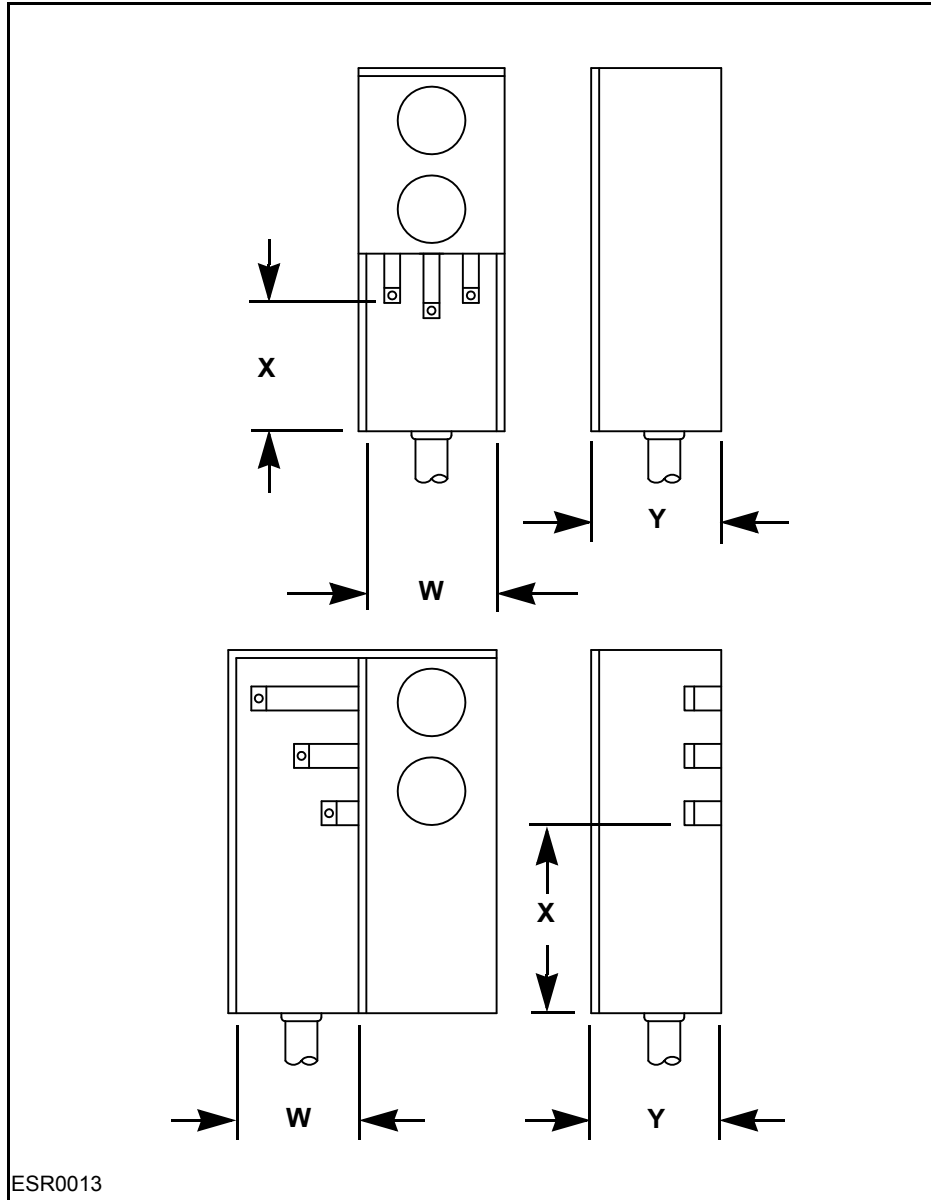
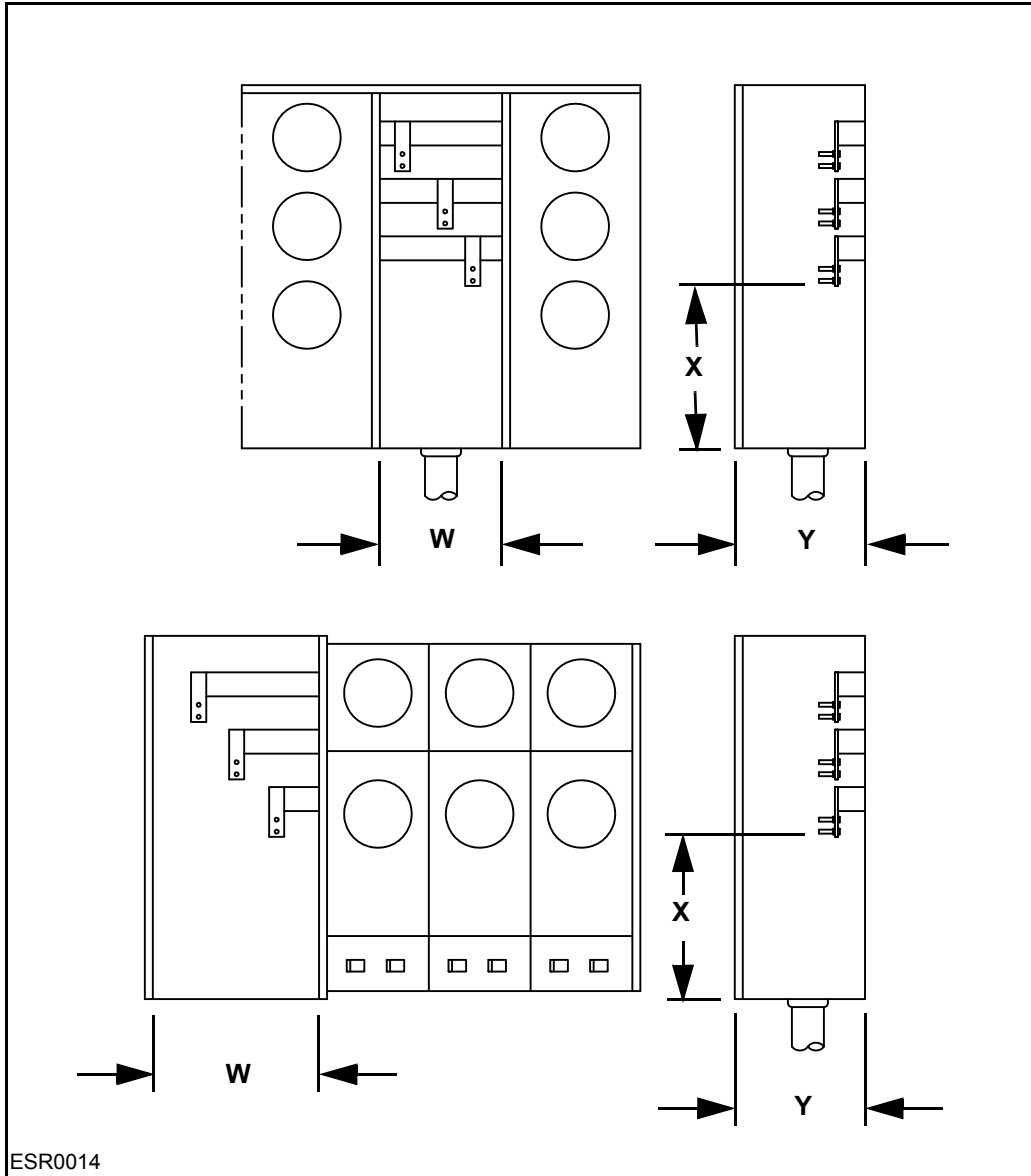


Figure 8-4: Service Terminating Arrangements for Two Meters Rated 0 to 200 Amps (EUSERC 342)



**Figure 8-5: Service Terminating Arrangements for Three to Six Meters Rated 201 to 600 Amps**

**Table 8-1: Dimensions of Terminating Section for Meter Socket Modules (EUSERC 342)**

Equipment Rating (amps)	Minimum Dimension (inches)		
	W	X	Y
0 to 200	6.5	11	5.5
201 to 600	10.5	22	6
601 to 800	Consult PGE		

### **8.5 *Overhead Service***

The Customer is responsible for bringing service entrance conductors from the service head to the PGE point of attachment. PGE will not extend conductors from the point of attachment to individual service heads. It is the Customer's responsibility to obtain the necessary permits from the electrical code enforcing authority that has jurisdiction.

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# 8 | Multiple-Family Service

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