

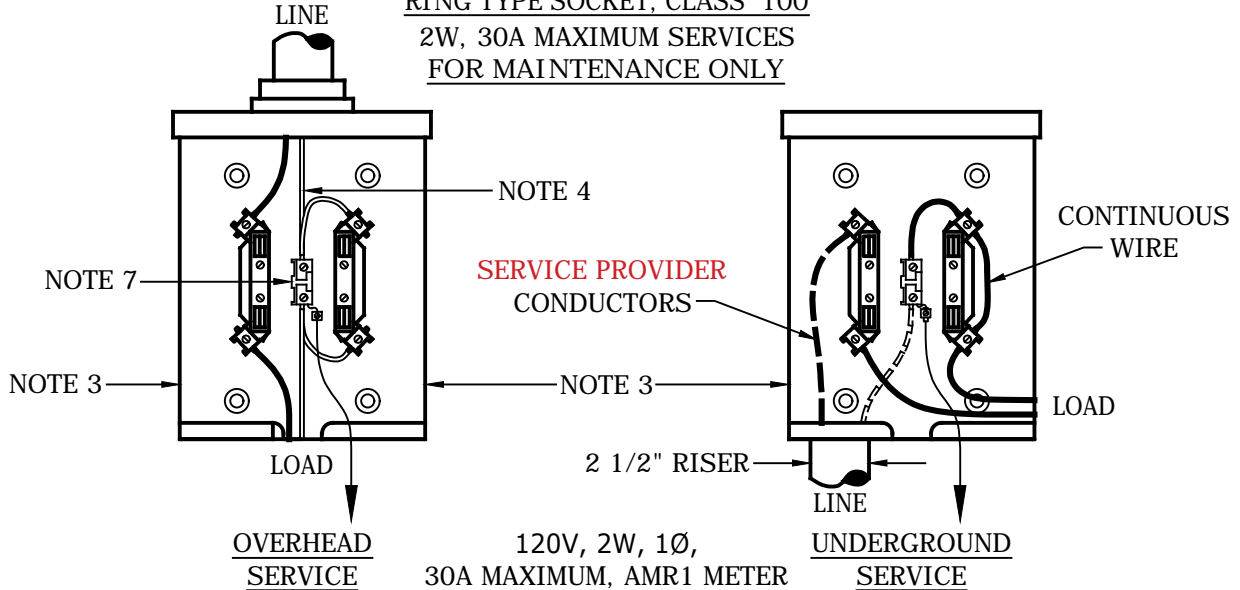
USE: Residential and Small Commercial 100A, 3 Wire, Overhead Service or 30A Maximum, 2 Wire Overhead or Underground Services.

**RESIDENTIAL, SMALL & PERMANENTLY UNOCCUPIED COMMERCIAL SERVICE ENTRANCE, 0-200A**

Refer to SR-452 for the Complete Approved Metering and Service Equipment List.



RING TYPE SOCKET, CLASS 100  
2W, 30A MAXIMUM SERVICES  
FOR MAINTENANCE ONLY

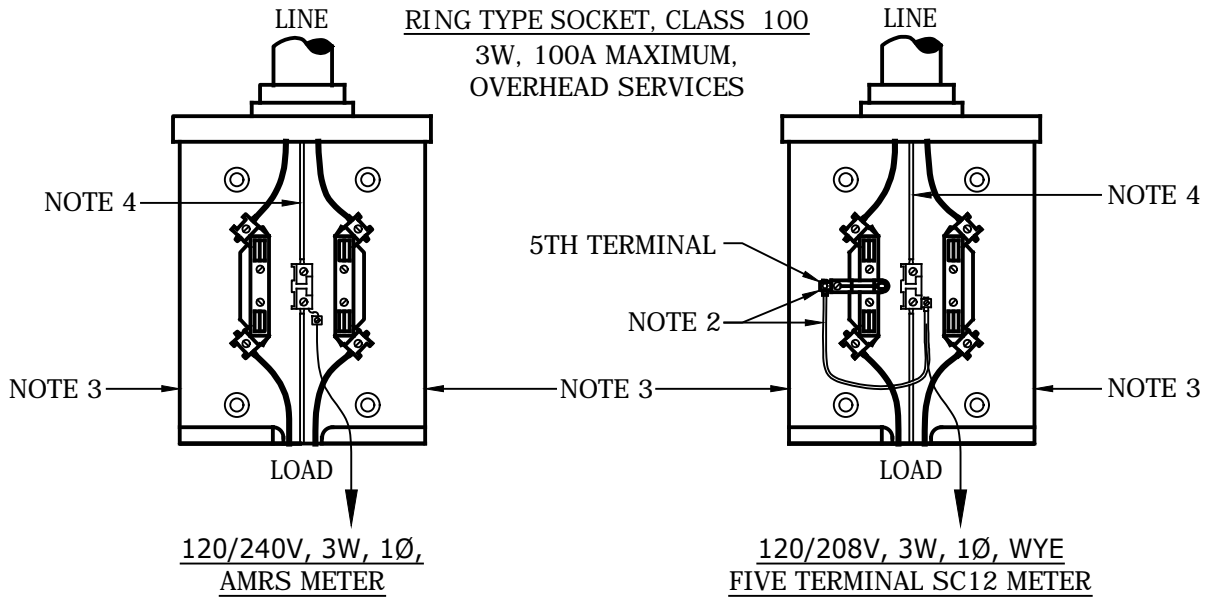


OVERHEAD SERVICE

120V, 2W, 1Ø,  
30A MAXIMUM, AMR1 METER

UNDERGROUND SERVICE

RING TYPE SOCKET, CLASS 100  
3W, 100A MAXIMUM,  
OVERHEAD SERVICES



120/240V, 3W, 1Ø,  
AMRS METER

120/208V, 3W, 1Ø, WYE  
FIVE TERMINAL SC12 METER

**NOTES:**

1. Small commercial is defined as permanently unoccupied facilities, such as construction power, billboards, wells, etc.
2. Use #12 THHN or THW, solid copper wire, white in color, for neutral potential lead to connect 5th terminal, **jaw installed in the 9 o'clock position**, to neutral connection.
3. Optional load conductors exit. Plug any hole in socket not used for conductors.
4. If service is overhead, neutral conductor must be identified at the socket and weatherhead **with white tape**.
5. Refer to SR-405, Page 9, for approved socket interior.
6. Round sockets may be used on overhead installations.
7. Neutral connector shall be bonded to socket enclosure.
8. Refer to SR-408, Pages 2-3, for 200A maximum OH/UG commercial services where a bypass system is not required.



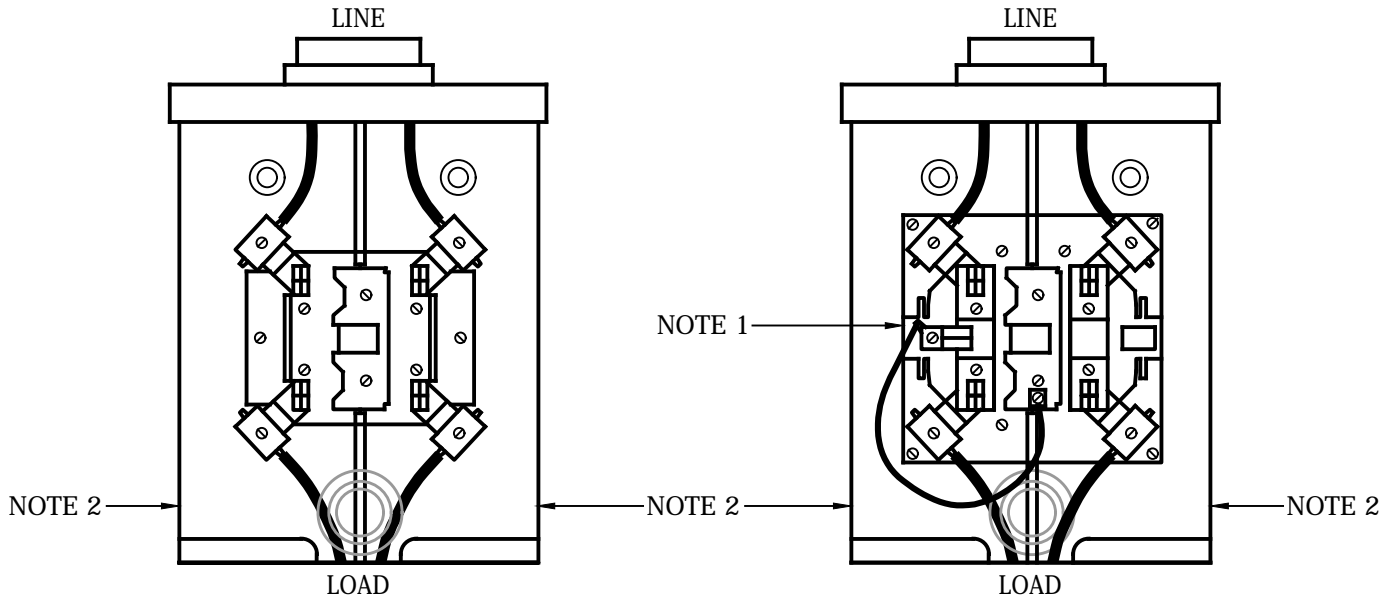
USE: Residential and  
Permanently Unoccupied  
Commercial Overhead,  
1Ø, 200A Services.

RESIDENTIAL, SMALL & PERMANENTLY  
UNOCCUPIED COMMERCIAL  
SERVICE ENTRANCE, 0-200A

Refer to SR-452 for the Complete  
Approved Metering and Service  
Equipment List.



RING TYPE SOCKET, CLASS 200



**FIGURE 1**  
120/240V, 3W, 1Ø

**FIGURE 2**  
120/208V, 1Ø, WYE



NOTES:

1. For Figure 2, install 5th terminal, jaw in the 9 o'clock position and connect to neutral connection with #12 THHN or THW, solid copper **wire, white in color**.
2. Optional load conductors exit. **Plug any hole in socket not used for conductors.**
3. Refer to SR-405, Page 9, for approved socket interior.
4. Neutral conductor must be identified at the socket and weatherhead **with white tape**.
5. Permanently unoccupied commercial installations defined as water wells, billboards, irrigation systems, etc. This installation for unoccupied services does not have bypass capability.
6. **Neutral connector shall be bonded to socket enclosure.**

		INITIATED BY	SC	REVISION NO.	9	SR-408
		ESR COMM.	1-78	ESR COMM.	5-19	
				EFFECTIVE DATE	5-19	Pg. 2 of 6

USE: Residential & Permanently Unoccupied Commercial Underground, 0-200A, 3 Wire, 1Ø, Services.

RESIDENTIAL, SMALL & PERMANENTLY UNOCCUPIED COMMERCIAL SERVICE ENTRANCE, 0-200A

Refer to SR-452 for the Complete Approved Metering and Service Equipment List.



RING TYPE SOCKET, CLASS 200

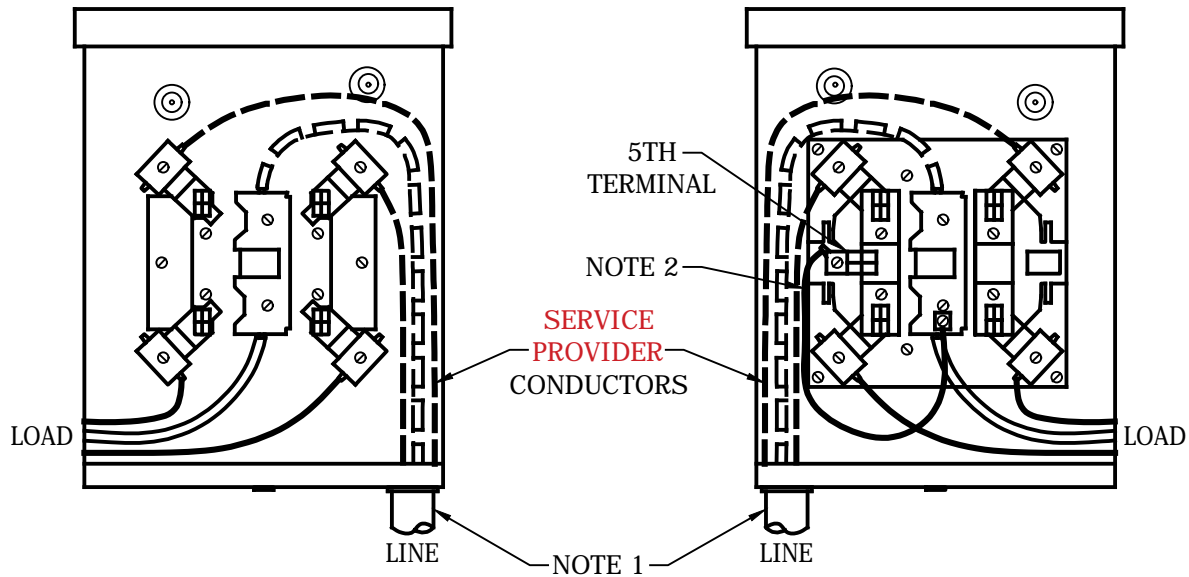


FIGURE 1  
120/240V, 3W, 1Ø

FIGURE 2  
120/208V, 1Ø, WYE



NOTES:

1. For underground service the 2 1/2" conduit riser must enter socket on the side opposite from that of the load conductors exit.
2. For Figure 2, install 5th terminal, jaw in the 9 o'clock position and connect to neutral connection with #12 THHN or THW, solid copper wire, **white in color**.
3. Lay-in grounded neutral connector must be suitable to terminate service neutral conductor in socket.
4. Line connectors must accommodate up to 250 kcmil aluminum stranded conductor.
5. Neutral **connector** shall be bonded to socket enclosure.
6. Minimum dimensions: 11" wide, 14" high, 4 1/2" deep.
7. Refer to SR-405, Page 9, for approved socket interior.
8. Permanently unoccupied commercial installations defined as water wells, billboards, irrigation systems, etc.
9. **Neutral conductor must be identified at the socket and switch with white tape.**

USE: Single Family Residential  
120/240V, 3 wire, 1Ø

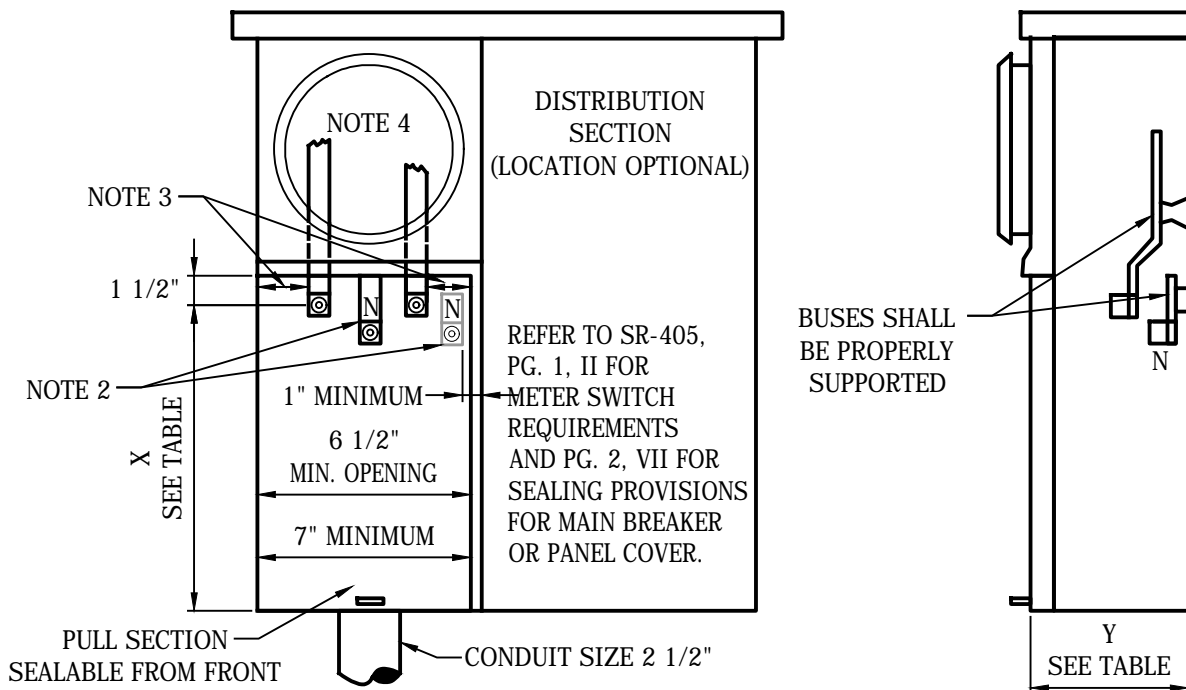
RESIDENTIAL, SMALL & PERMANENTLY  
UNOCCUPIED COMMERCIAL  
SERVICE ENTRANCE, 0-200A



EUSERC No. 301

Refer to SR-452 for the  
Complete Approved Metering  
and Service Equipment List.

UNDERGROUND COMBINATION METER  
AND DISTRIBUTION



MAXIMUM AMPACITY	"X" MINIMUM DIMENSION		"Y" MINIMUM DIMENSION	CONNECTOR RANGE
	BARREL-TYPE LUGS	LAY-IN LUGS		
125	8"	6"	4"	#6-1/0 AWG
225	11"	8 1/2"	5-1/2"	1/0 AWG- 250 kcmil

NOTES:

1. Terminals for service conductors shall be aluminum bodied lugs.
2. Neutral terminal shall be a minimum dimension from the bottom of the enclosure of 6" (lay-in lugs 5") for the 125A device and 8-1/2" (lay-in lugs 6 1/2") for the 200 A device. Neutral bus shall be bonded to enclosure.
3. A minimum radial clearance of 1 1/2 inches, shall be provided between hot bus terminals and ground or neutral surfaces.
4. Socket interior must conform to SR-405, Pg. 9.
5. This equipment may be constructed for overhead (OH), underground (UG), or for combination OH/UG service applications. When built as an OH/UG device, a yellow caution label, 2" x 3" minimum, shall be installed below the termination in the pull section reading "Caution - Bus Energized at ALL times".
6. Pull section and breakers in distribution section must comply with sealing provisions specified in SR-405, Pg. 2.

USE: Underground Service  
 0-200A, 120/240V,  
 3 wire, 1Ø

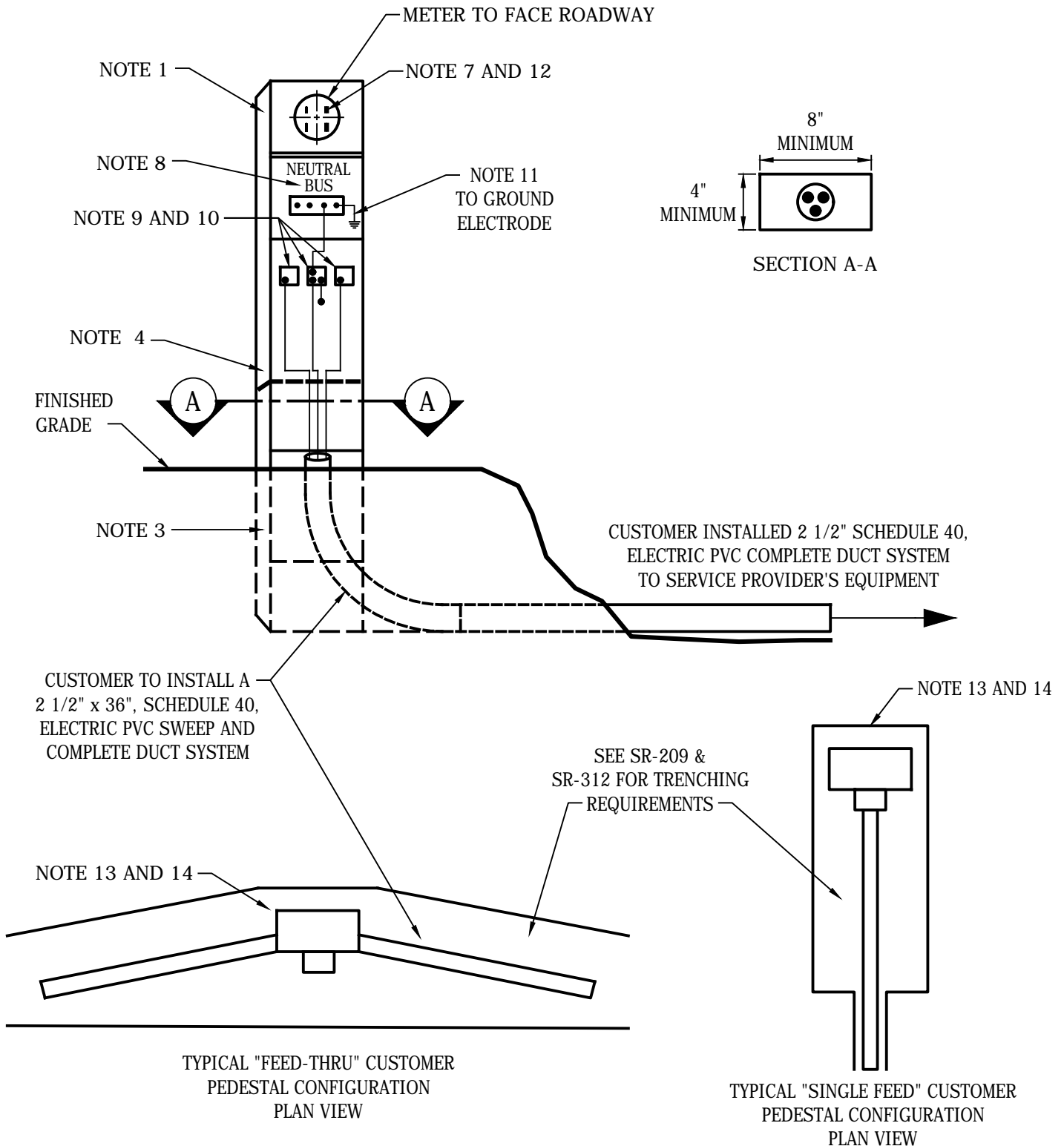
RESIDENTIAL, SMALL & PERMANENTLY  
 UNOCCUPIED COMMERCIAL  
 SERVICE ENTRANCE, 0-200A



EUSERC No. 307

Refer to SR-452 for the  
 Complete Approved Metering  
 and Service Equipment List.

METER POST



		INITIATED BY	SC	REVISION NO.	18	SR-408
		ESR COMM.	8-79	ESR COMM.	5-19	
				EFFECTIVE DATE	5-19	Pg. 5 of 6

USE: Underground Service  
0-200A, 120/240V,  
3 wire, 1Ø

RESIDENTIAL, SMALL & PERMANENTLY  
UNOCCUPIED COMMERCIAL  
SERVICE ENTRANCE, 0-200A

EUSERC No. 307



METER POST

GENERAL CONSTRUCTION:

1. This type post shall have a minimum rating of 100 amperes. Construction, material, and corrosive-resistant finish shall be approved by a **Nationally**-recognized test laboratory.
2. The post shall have a minimum cross sectional dimension of 4" x 8" ID, minimum access opening width of 7 1/2 inches.
3. The minimum depth of the post in the ground shall be 24 inches, with openings at the base sufficient to permit 2 1/2" x 36", 90° elbow(s) to sweep into the post from the front (meter side). A fixed panel shall extend 2 inches minimum to 6 inches maximum above grade, and 18 inches minimum below grade.
4. Adequate ventilation shall be provided to inhibit the condensation of moisture within the enclosure such as required by UL-231.
5. The minimum meter height shall be 48 inches above grade line when the meter is exposed or 36 inches when enclosed with a shatter proof window through which to read the meter.
6. The service cable pull and terminating section shall be accessible from either the front or rear of the post by removing an 8 inch minimum width sealable panel (or panels). All removable panels must be equipped with sealable fasteners. The removable panel (or panels) shall extend from the top of the fixed panel (see Note 3) and when removed, allow full access to the terminating lugs. The service cable pull and termination section space shall be restricted to serving agency use only.
7. If the meter is enclosed, the enclosing cover shall be hinged and self-supporting, equipped with a shatter proof reading window and be removable for meter testing or inspections.
8. The service main disconnect and power outlet section shall have barriers installed to prevent access to the service cable pull and termination section and to unmetred conductors which connect to the socket.

SERVICE TERMINATING FACILITIES:

9. The service terminating lugs shall be twin No. 2 to 350 kcmil aluminum bodied pressure type lug height, measured to the bottom of terminating lug from the grade line, shall be 18 inches minimum and 48 inches maximum. The space between termination lugs, from lugs to sides of post, from lugs to any grounded surface, or from lugs to panel above shall be 1-1/2 inches minimum. Rigid insulating barriers are required and shall project 1/4 inch minimum beyond any energized parts when this space is reduced. Terminating lugs may be positioned either in line or staggered, and access shall be unobstructed when all service conductors are in place.
10. The neutral terminating lug, shall be bonded to the enclosure.

GROUNDING FACILITIES:

11. An accessible equipment grounding lug shall be provided in accordance with UL-414. The service disconnect switch shall be effectively grounded per local governmental code or national electrical code requirements in the absence of local codes.

METERING FACILITIES:



12. The meter socket base shall be fabricated with components tested by a EUSERC recognized test laboratory and shall be provided with a sealing ring. See SR-405, pg. 9, for additional requirements. The meter socket shall be mounted on support and attached to meter panel. The socket shall be factory-wired with the conductors located in a separate or barriered raceway from the service terminating lugs to the meter socket. The conductors which extend to the meter socket shall be connected at the service terminating lugs independently of the connection for the service lateral conductors. Dual socket meter posts are acceptable.

INSTALLATION:

13. The customer is to obtain a service installation date from the company and be responsible for having the meter post(s), elbow(s) and complete conduit system installed at each location per the drawing on Page 5. The meter post to be in a upright and plumb position with backfill and tamping to support the meter post. These installations will all be completed prior to Service Provider's arrival.
14. Prior to service installation, the customer is to backfill and compact the service trench. After the backfill has been completed the customer will be responsible for any cost incurred by Service Provider, should a relocation of the meter post be requested by the customer. Relocation work by Service Provider, anytime after the initial terminations have been made will be billable to the customer.
15. An approved disconnecting means will be required prior to service being turned on for an individual applicant.

ENCLOSURE ATTACHMENT:

16. For authorization to attach telephone and cable T.V. terminating facilities to the post, contact Design Services.

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