

USE: Termination of underground service to single & three-phase multi-meter installations.

## TERMINATING BOX OR SECTION



### NOTES:

1. The pull section cover shall be independent of any service equipment other than the pull section. Provision for sealing shall be made near opposite corners of the cover. The securing screws shall be captive, and lifting handles shall be provided if the cover is more than four square feet in area.
2. Terminal connectors on the line side shall be of proper material and size to accommodate copper or aluminum conductors as specified by the Service Provider.
3. Except where lay-in type connectors are permitted, the terminal connectors shall be removable to facilitate cable installation. Bolts used to secure the terminal connectors to the bus stubs shall be 3/8 inch minimum diameter and shall be firmly affixed to the bus stubs in such a manner that they will not turn, back out, or loosen when subjected to normal UL approved torques for that size bolt during tightening or loosening of terminal nuts (including cross-threaded situations). Mechanical connectors shall be attached to the bus stubs, using flat washers, pressure maintaining spring washers and nuts, and the bolts shall be long enough to be threaded completely through the nuts. All parts must be plated to prevent corrosion.

Lay-in type connectors are permitted for connectors with a range of 1/0 AWG - 250 KCMIL and 1/0 AWG - 350 KCMIL.




Connectors with a range of 350 KCMIL - 750 KCMIL shall have two 1/2 inch holes per tang, or be of a design that will prevent them from turning on the bus stub

4. Bus stubs shall be anchored to prevent turning. A minimum radial clearance of 1 1/2 inches shall be provided between hot bus terminals and grounded or neutral surfaces.
5. The customer must provide and install a 2 1/2 inch or 4 inch continuous duct system, in accordance with SR-205, from the terminating box to the point of delivery as specified by the Service Provider.

All continuous duct runs, regardless of size, are to have a 90 degree sweep with a 36 inch radius at the service riser and are not to exceed 270 degree for a total of all deflections.

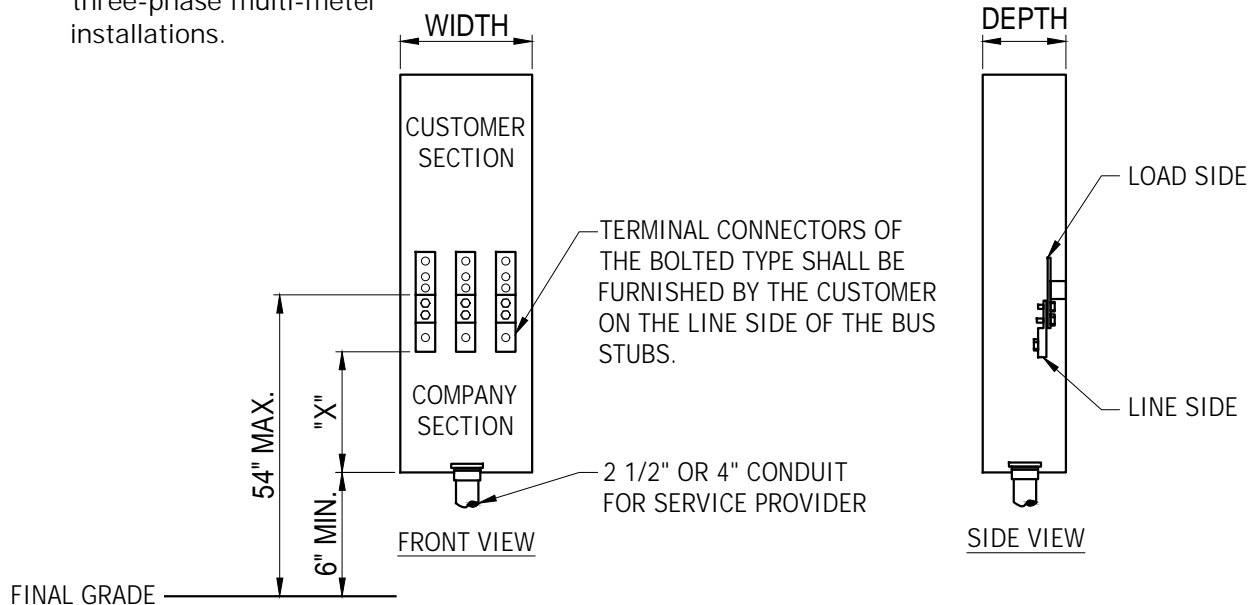
The conduit riser to the terminating box shall be rigid or intermediate steel (IMC or RMC) conduit, even if the box is enclosed within a structure. Schedule 80 PVC is not acceptable.

6. All service conductors shall be marked (taped) in accordance with SR-405, Note 16.
7. Neutral connector shall be bonded to the enclosure.
8. See Service Provider construction drawing for size and number of conduits. Double barrel connectors and two service ducts are required if paralleled service cables are required and specified by Design Services.

 Tucson Electric Power	 SANTA CRUZ COUNTY	INITIATED BY	SC	REVISION NO.	7	SR-425  Pg. 1 of 2
		ESR COMM.	8-78	ESR COMM.	2-24	
				EFFECTIVE DATE	2-24	

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### MULTIPLE OCCUPANCY RESIDENTIAL UNITS, 100-125A METER SOCKETS

NUMBER OF METER SOCKETS	SERVICE ENTRANCE AMPACITY	CONNECTOR RANGE SEE NOTES 9 & 10	MINIMUM DIMENSION (IN INCHES)			CONDUIT SIZE (IN INCHES) SEE NOTE 4
			WIDTH	DEPTH	"X"	
2 THRU 3	200	1/0 AWG - 250 KCMIL	7	4 1/2	11	2 1/2
4 THRU 10	400-800	1/0 AWG - 350 KCMIL	7	4 1/2	11	2 1/2
OVER 10	CONSULT DESIGN SERVICES					

### MULTIPLE OCCUPANCY RESIDENTIAL UNITS, 200A METER SOCKETS

NUMBER OF METER SOCKETS	SERVICE ENTRANCE AMPACITY	CONNECTOR RANGE SEE NOTES 9 & 10	MINIMUM DIMENSION (IN INCHES)			CONDUIT SIZE (IN INCHES) SEE NOTE 4
			WIDTH	DEPTH	"X"	
2 THRU 3	400	1/0 AWG - 350 KCMIL	7	4 1/2	11	2 1/2
OVER 3	CONSULT DESIGN SERVICES					

### MULTIPLE OCCUPANCY COMMERCIAL UNITS, 100A-125A METER SOCKETS

NUMBER OF METER SOCKETS	SERVICE ENTRANCE AMPACITY	CONNECTOR RANGE SEE NOTES 9 & 10	MINIMUM DIMENSION (IN INCHES)			CONDUIT SIZE (IN INCHES) SEE NOTE 4
			WIDTH	DEPTH	"X"	
2 THRU 3	200-300	1/0 AWG - 350 KCMIL	7	4 1/2	11	2 1/2
4 THRU 6	400-600	350 KCMIL - 750 KCMIL	10	6	16	4

### MULTIPLE OCCUPANCY COMMERCIAL UNITS, 200A METER SOCKETS

NUMBER OF METER SOCKETS	SERVICE ENTRANCE AMPACITY	CONNECTOR RANGE SEE NOTES 9 & 10	MINIMUM DIMENSION (IN INCHES)			CONDUIT SIZE (IN INCHES) SEE NOTE 4
			WIDTH	DEPTH	"X"	
2 THRU 4	400-600	350 KCMIL - 750 KCMIL	10	6	16	4