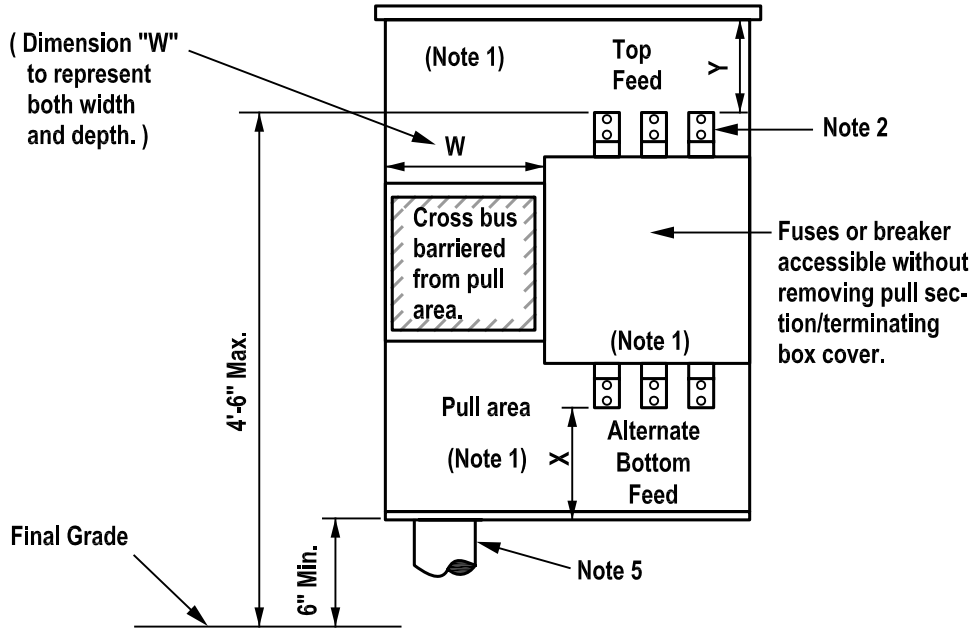
USE: Terminate underground service to multimetered installations, 1Ø or 3Ø.

COMBINATION TERMINATING BOX AND MAIN DISCONNECT



MULTIPLE OCCUPANCY RESIDENTIAL UNITS						
Ampacity Meter Sockets	Entrance Ampacity	Connector Range	Min. W	X	Dim. Y	Conduit Size
100-125 A						
2 thru 3	200 A	*1/0 AWG-250 kcmil	4.5"	11"	6"	2-1/2" (Note 4)
4 thru 10	400-800 A	*1/0 AWG-350 kcmil	4.5"	11"	6"	2-1/2" (Note 4)
Over 10	Consult Design, Service Requirements & Service Delivery Dept. See TEP Const. Drawing					
For 750 kcmil Service Laterals		**350 kcmil-750 kcmil	6"	16"	8"	4" (Note 4)
200 A						
2 thru 3	400 A	*1/0 AWG-350 kcmil	7"	11"	4.5"	2-1/2" (Note 4)
Over 3	Consult Design, Service Requirements & Service Delivery Dept. See TEP Const. Drawing					

MULTIPLE OCCUPANCY COMMERCIAL UNITS						
Ampacity Meter Sockets	Entrance Ampacity	Connector Range	Min. W	X	Dim. Y	Conduit Size
100-125 A						
2 thru 3	200-300 A	*1/0 AWG-350 kcmil	4.5"	11"	6"	2-1/2" (Note 4)
4 thru 6	400-600 A	**350 kcmil-750 kcmil	6"	16"	8"	4" (Note 4)
200 A						
2 thru 4	400-600 A	**350 kcmil-750 kcmil	6"	16"	8"	4" (Note 4)

COMBINATION TERMINATING BOX
AND MAIN DISCONNECT

* Lay-in type connectors permitted in this size.
** Double barrel connectors and two service ducts required if paralleled service cables are specified by Design, Service Requirements & Service Delivery Dept.
+ Neutral connector shall be bonded to the enclosure.

NOTES:

1. The pull section cover shall be independent of any service equipment other than the pull section, including the fuse or breaker access cover. Provision for sealing shall be made near opposite corners of the cover. The securing screws shall be captive, the cover shall be one piece, and lifting handles shall be provided if the cover is more than 4.0 square feet in area.

2. The terminal connectors on the line side shall be of proper material and size to accommodate copper or aluminum conductors as specified on TEP construction drawing and shall be located in sealable area. All service conductors shall be marked (taped) in accordance with SR-405 Note 16. If terminal connectors are removable to facilitate cable installation, the bolts used to secure them to the bus stubs shall be 3/8" 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). The 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.

3. Bus stubs shall be anchored to prevent turning. A minimum radial clearance of 1-1/2" shall be provided between hot bus terminals and grounded or neutral surfaces.

4. Center conduit (front to rear) under pull area, not under fuse or breaker area. If the conduit size required is 2-1/2"(CIC installation), customer must install rigid or intermediate, steel conduit with a 45° sweep into the service trench, as shown in SR-310, to accommodate service cable-in-conduit which will be installed by TEP.

If the design requires a 2-1/2" or 4" duct system, the customer must install a continuous duct system, in accordance with SR-205, from the terminating box to the point on TEP's system specified by Design, Service Requirements & Service Delivery Department. The conduit riser to the terminating box shall be rigid or intermediate steel conduit, even if the box is enclosed within a structure. The riser shall have a 36" radius at the 90° sweep and be securely fastened so that no movement will occur under the stresses to which it will be subjected when TEP pulls in the service conductors. Schedule 80 PVC is not acceptable.

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

5. See TEP construction drawing for required conduit size.