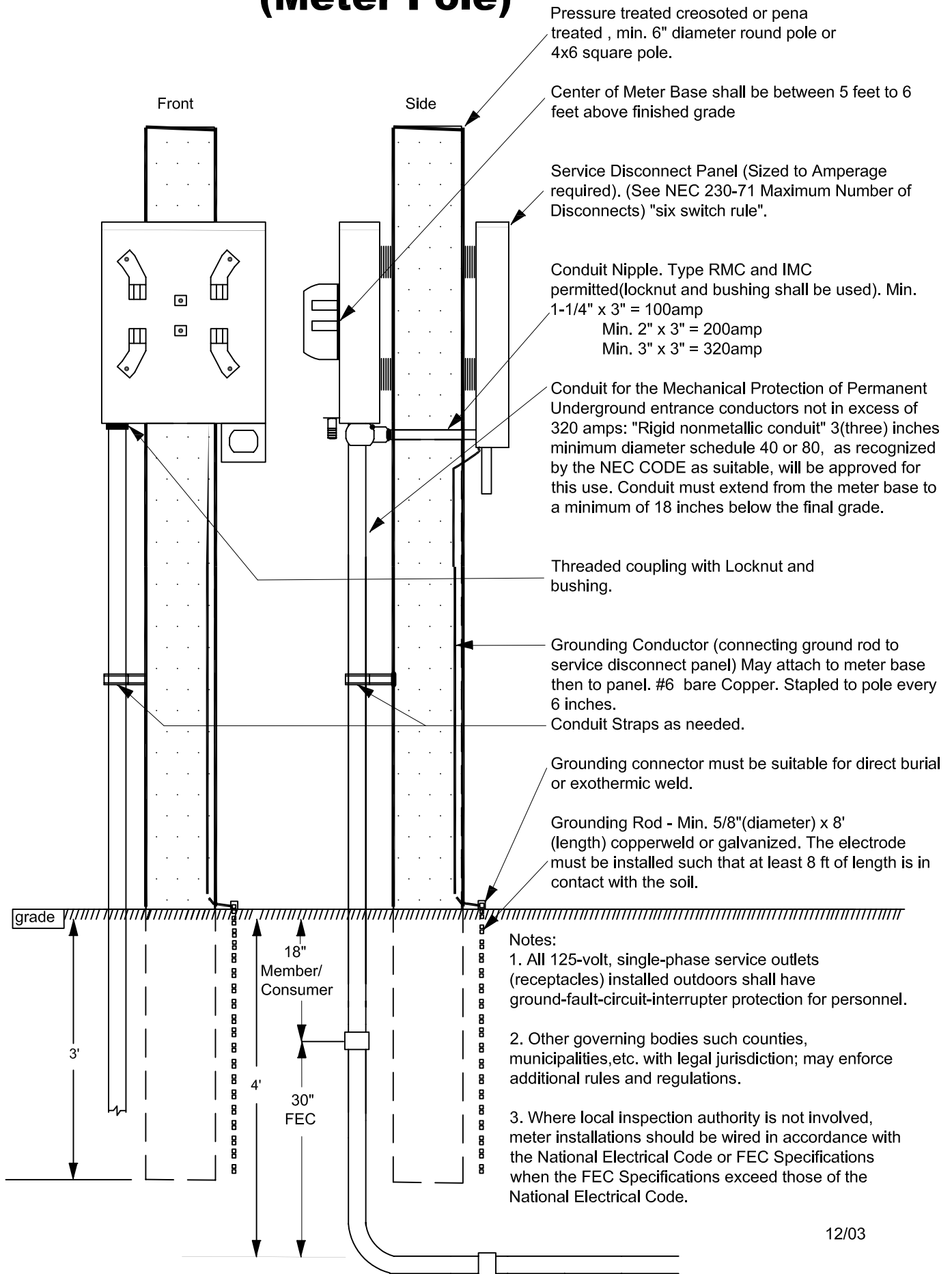


# Permanent Underground Service (Meter Pole)



Pressure treated creosoted or pena treated , min. 6" diameter round pole or 4x6 square pole.

Center of Meter Base shall be between 5 feet to 6 feet above finished grade

Service Disconnect Panel (Sized to Amperage required). (See NEC 230-71 Maximum Number of Disconnects) "six switch rule".

Conduit Nipple. Type RMC and IMC permitted(locknut and bushing shall be used). Min.  
 1-1/4" x 3" = 100amp  
 Min. 2" x 3" = 200amp  
 Min. 3" x 3" = 320amp

Conduit for the Mechanical Protection of Permanent Underground entrance conductors not in excess of 320 amps: "Rigid nonmetallic conduit" 3(three) inches minimum diameter schedule 40 or 80, as recognized by the NEC CODE as suitable, will be approved for this use. Conduit must extend from the meter base to a minimum of 18 inches below the final grade.

Threaded coupling with Locknut and bushing.

Grounding Conductor (connecting ground rod to service disconnect panel) May attach to meter base then to panel. #6 bare Copper. Stapled to pole every 6 inches.

Conduit Straps as needed.

Grounding connector must be suitable for direct burial or exothermic weld.

Grounding Rod - Min. 5/8"(diameter) x 8' (length) copperweld or galvanized. The electrode must be installed such that at least 8 ft of length is in contact with the soil.

**Notes:**

1. All 125-volt, single-phase service outlets (receptacles) installed outdoors shall have ground-fault-circuit-interrupter protection for personnel.
2. Other governing bodies such counties, municipalities, etc. with legal jurisdiction; may enforce additional rules and regulations.
3. Where local inspection authority is not involved, meter installations should be wired in accordance with the National Electrical Code or FEC Specifications when the FEC Specifications exceed those of the National Electrical Code.