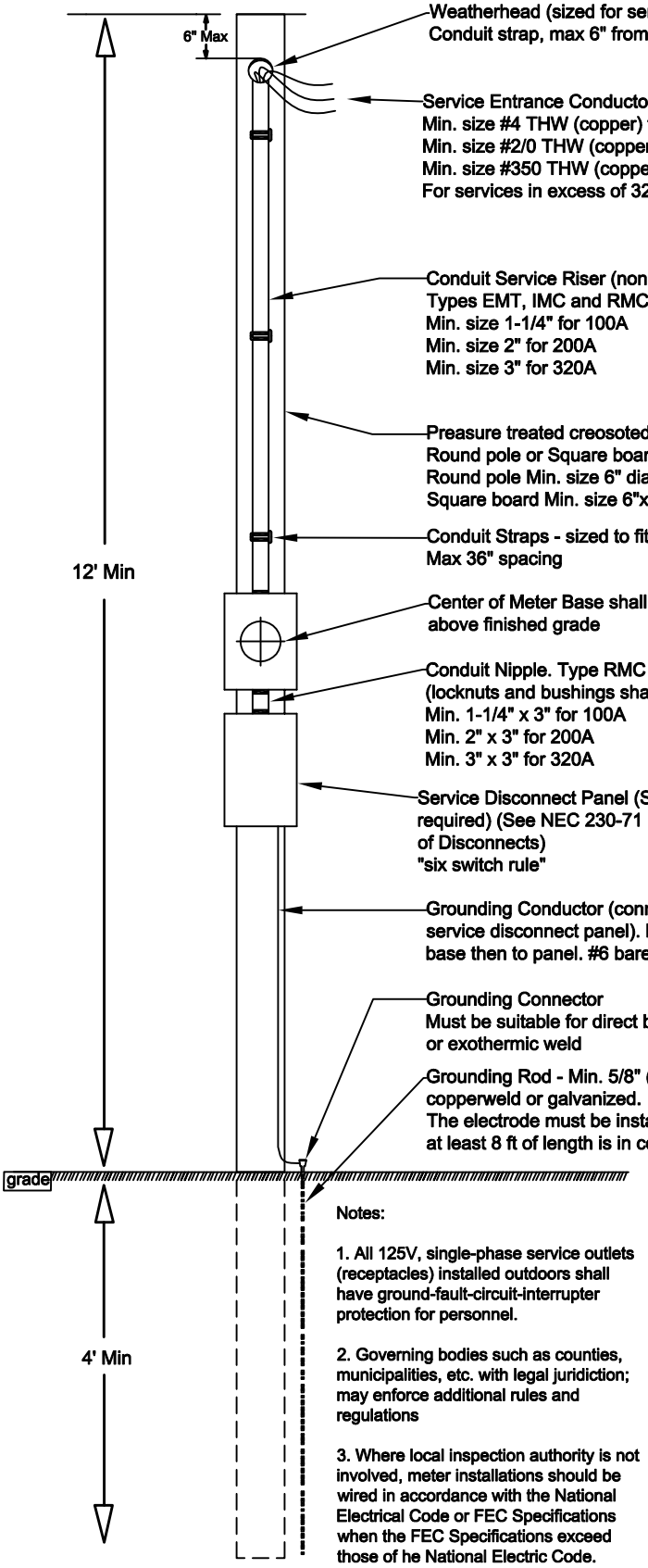
# Permanent Overhead Service (Meter Pole)




Weatherhead (sized for service)
Conduit strap, max 6" from weatherhead

Service Entrance Conductor leads extend a min. of 18"
Min. size #4 THW (copper) for 100A
Min. size #2/0 THW (copper) for 200A
Min. size #350 THW (copper) for 320A
For services in excess of 320A contact Farmers EC

Conduit Service Riser (non load bearing)
Types EMT, IMC and RMC are permitted
Min. size 1-1/4" for 100A
Min. size 2" for 200A
Min. size 3" for 320A

Preasure treated creosoted or penta treated
Round pole or Square board
Round pole Min. size 6" diameter
Square board Min. size 6"x6"

Conduit Straps - sized to fit conduit required
Max 36" spacing

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

Conduit Nipple. Type RMC and IMC permitted
(locknuts and bushings shall be used)
Min. 1-1/4" x 3" for 100A
Min. 2" x 3" for 200A
Min. 3" x 3" for 320A

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

Grounding Conductor (connects ground rod to
service disconnect panel). May attach to meter
base then to panel. #6 bare copper

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 soil

Notes:

1. All 125V, single-phase service outlets (receptacles) installed outdoors shall have ground-fault-circuit-interrupter protection for personnel.

2. Governing bodies such as counties, municipalities, etc. with legal juridiction; 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 he National Electric Code.