

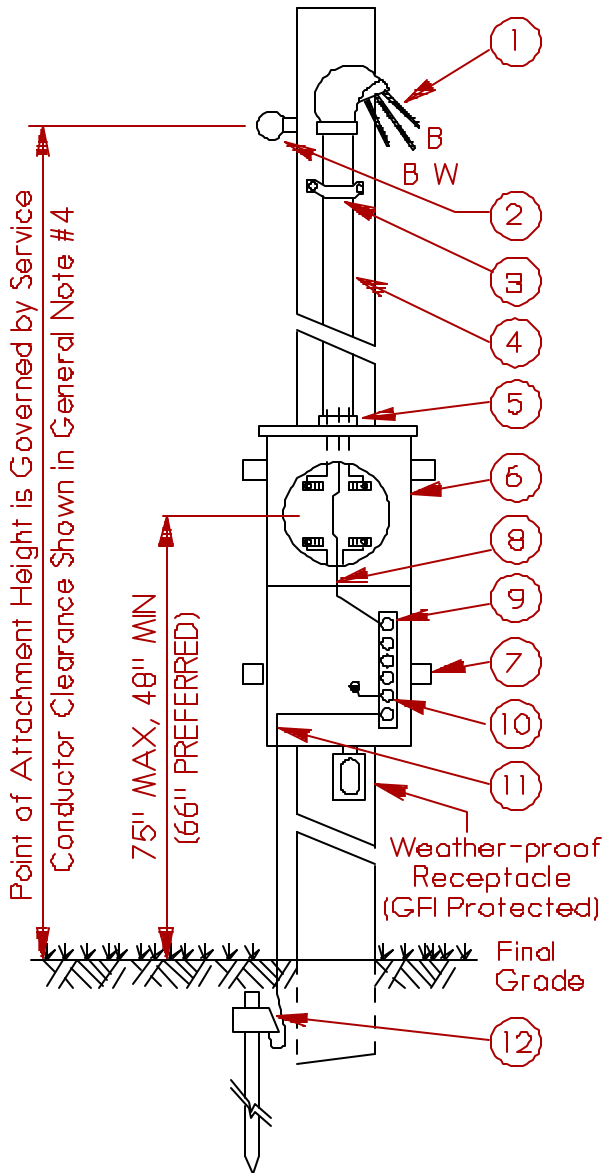


TYPICAL POLE-MOUNTED METER INSTALLATION FOR RESIDENTIAL OR TEMPORARY SERVICE

100-225A, 1 Ph, 3W, 120/240 VOLT

Permits and inspections are required. Please contact the governing inspection agency.

This is a list of material for a normal pole-mounted meter installation. It is not intended to be all inclusive but gives the more common requirements. All equipment shall comply with EUSERC requirements and all specifications found in the APS Electric Service Requirements Manual (ESRM).



SERVICE RATING	COPPER		ALUMINUM		WEATHERHEAD & CONDUIT
	RES	TEMP	RES	TEMP	
100A	#4	#2	#2	#1	1-1/2"
125A	#2	#1	#1/0	#2/0	1-1/2"
150A	#1	#1/0	#2/0	#3/0	1-1/2" (2" if #3/0)
200A	#2/0	#3/0	#4/0	#250	2" (2-1/2" if #250)
225A	#3/0	#3/0	#250	#250	2" (2-1/2" if #250)

- Weatherhead-conductor leads to extend a minimum of 24" beyond the weatherhead.
- 1/2" eyebolt with a 2" backing washer. Must be located within 12" of the weatherhead.
- Conduit support. Not over 6' apart, mounted on unistrut.
- Rigid, intermediate or thinwall metal conduit.
- Approved hub must be raintight.
- Meter socket, breaker panel must be raintight equipment. Metersocket jaws or clips shall be free of foreign material (mud, paint, plaster, etc.). RINGLESS METER SOCKETS ARE NOT ACCEPTABLE.
- Meter box to be bolted to unistrut. Unistrut to be mounted to pole using through bolts. Pole shall be notched to the depth of the unistrut.
- Neutral to be a continuous, unbroken conductor from the weatherhead to the neutral landing block.
- Neutral landing block.
- Install a bonding jumper or screw if the neutral landing block is insulated from the enclosure.
- The ground wire (#4 bare solid copper) shall be continuous from the neutral landing block to an approved grounding electrode system in compliance with NEC Article 250. The ground wire must be properly supported and attached to the pole at 24" intervals.
- Approved grounding electrode system. 5/8" x 8' long ground rod and approved clamp. Entire length of rod to be below grade.

POLE REQUIREMENTS

Only approved poles will be accepted. The pole must be fully commercially pressure treated and branded in accordance with commercially pressure treated and branded in accordance with APS specifications. A used or cut-off pole must be approved by a Company representative. Minimum pole length is 18' with 4' set in the ground. Additional pole length will be required if the pole used is to be used by other utility companies.

GENERAL NOTES:

- Meter location to be specified by Company Representative
- If more than one meter to the premise - each meter shall be permanently identified, by the Customer, to properly identify that portion of the premises being served. Metal stamping or metal tag is required. Painted identification is not acceptable.
- All materials or work furnished by the Customer shall be in accordance with all applicable codes or standards.

4. Minimum service height above ground:

Over areas accessible to pedestrians	12' 6"
Crossing over residential driveways.....	12' 6"
Over parking lots, service areas & open driveways not subject to truck traffic.....	12' 6"
Over parking lots, service areas & open driveways subject to truck traffic.....	18'
Over public streets, alleys or roads in urban or rural districts.....	18'
Over areas accessible to equestrian traffic.....	18'