

ELECTRICAL DISTRICT NUMBER TWO, PINAL COUNTY
TYPICAL POLE-MOUNTED METER INSTALLATION FOR RESIDENTIAL SERVICE
 Single Phase 120/240 VOLT

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

MATERIAL LIST

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 ED2 Electric Service Requirements.

SERVICE RATING	INSULATED COPPER WIRE	INSULATED ALUMINUM WIRE	WEATHER HEAD & CONDUIT
100 Amp	#2	#1	1-1/2" Rigid
125 Amp	#2	#1/0	1-1/2" Rigid
150 Amp	#1	#2/0	1-1/2" Rigid
200 Amp	#2/0	#4/0	2" Rigid
225 Amp	#3/0	#250	2" Rigid

- 1.) Weather head conductor leads to extend a minimum of 24" beyond weather head.
- 2.) 1/2" eyebolt with a 2" backing washer. Must be located within 12" of the weather head.
- 3.) Conduit support. Not over 6' apart, mounted on Unistrut.
- 4.) Rigid metal conduit.
- 5.) Approved hub, must be rain tight.
- 6.) Meter socket and breaker panel must be rain tight equipment. Meter socket jaws or clips shall be free of foreign material (mud, paint, plaster, etc.) RINGLESS METER SOCKETS ARE NOT ACCEPTABLE.
- 7.) Meter box to be bolted to Unistrut. Unistrut to be mounted to pole using through bolts.
- 8.) Neutral to be a continuous, unbroken conductor from the weather head to the neutral landing block.
- 9.) Neutral landing block.
- 10.) Install a bonding jumper or screw if the neutral landing block is insulated from the enclosure
- 11.) The ground wire (minimum #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.

- 12.) 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 a full length pressure treated and branded in accordance with ED2 specifications. A used or cut-off pole must be approved by an ED2 Representative. Minimum pole length is 18 feet overall with 4 feet set in the ground. A taller pole will be required if the pole is to be used by other utilities.

GENERAL NOTES

- 1.) Pole and meter location to be specified by ED2 Representative.
- 2.) If more than one meter to the premises - each meter shall be permanently identified by the Customer to properly identify that portion of the premises being served. Metal stamping or a metal tag is required. Painted identification is not acceptable.
- 3.) 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 only: 12'-6"
 Crossing over residential driveways: 12'-6"
 Over parking lots, service areas and open driveways not subject to truck traffic: 12'-6"
 Over parking lots, service areas and 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'

