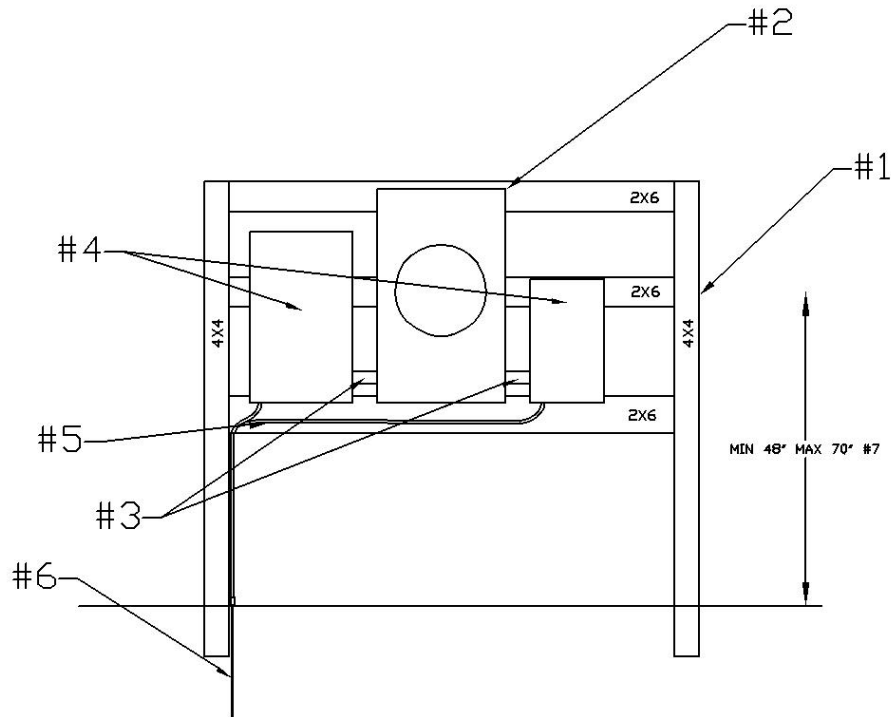


San Patricio Electric Cooperative – (361) 364-2220 #132
320 AMP Service -Underground Meter Loop – Self Supporting



1. Build rack to accommodate Meter can and Panel(s).
2. 320 amp Meter Can
3. The Chase / Pipe should be a 2" and 1 ¼ offset nipples with lock rings and bounding bushings should be used on both side of chase, also with threaded galvanized nipple.
4. **Maximum 325 amps on Breaker Panel / Disconnect combination allowed on Service. Main Breaker(s) size cannot exceed amp rating of service.**
5. #4 green ground for 150 and 200 amp and #6 green ground for 125 amp service.
6. 5/8" X 8' copper weld ground rod with acorn clamp.
7. Center of Meter must fall between 48" to 72"

- A. SERVICE CONDUCTOR FEEDERS are connected to the TOPSIDE lugs in the meter can. LOAD SIDE CONDUCTORS to the breaker box are connected to the BOTTOM lugs in the meter can.
- B. Wire should be sized according to load. See chart on back.
- C. Conduit should be sized according to wire size. See chart on back.

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CONSTRUCTION of a 3 WIRE METER LOOP

METER LOOPS MUST BE COMPLETELY ASSEMBLED BY THE MEMBER OR BY AN ELECTRICIAN IN ORDER TO BE CONNECTED. Co-op employees will not help in the assembling of a meter loop on the job site. The Coop shall determine the acceptability of the meter loop before the connection is made.

Meter Can must be mounted a MINIMUM of 48” from the ground up and a MAXIMUM of 72” from the ground up. This applies to House & Meter Pole installation.

Meter and main disconnect must be located on the outside area of any structure. Disconnect must be located directly beside the meter can. Disconnect must be breakers or fuses.

BLADED DISCONNECT SWITCHES ARE NOT ALLOWED.

Meter loop must be wired with copper wire from the load side of the meter can to the breaker box.

***ALLOWABLE AMPERAGE OF AN INSULATED CONDUCTOR**

Taken from National Electric Code Manual Table 310-15B

THHN copper wire maximum temp. 90° centigrade, 600 Volt insulation minimum.

WIRE SIZE

#2 Cu.	125 amps
1/0 Cu.	150 amps
2/0 Cu.	200 amps
3/0 Cu.	225 amps
4/0 Cu.	260 amps
350 mcm	320 amps

Per Wire
Per Wire
Per Wire
Per Wire
Per Wire
Per Wire

****CONDUIT SIZE**

1 ¼”
1 ½”
2”
2”
2”
2 ½” - 3”

Consumers may dig their own trench. Charges are still involved. San Patricio Electric Co-op. MUST be contacted BEFORE work is done. Call for information on prices, specifications, contractor insurance requirements, scheduling, etc.

Caution must be taken in selecting the service entrance location to the meter. Dig Tess (800) 344-8377 should be notified 2 days prior to digging trench. Service wires are buried in conduit, sharp turns and angles can not be made.

San Patricio Electric has an electrician that builds meter loops.
For price quotes call the Cooperative at [361-364-2220 ext.132](tel:361-364-2220)