



Your Touchstone Energy<sup>®</sup>  
Cooperative

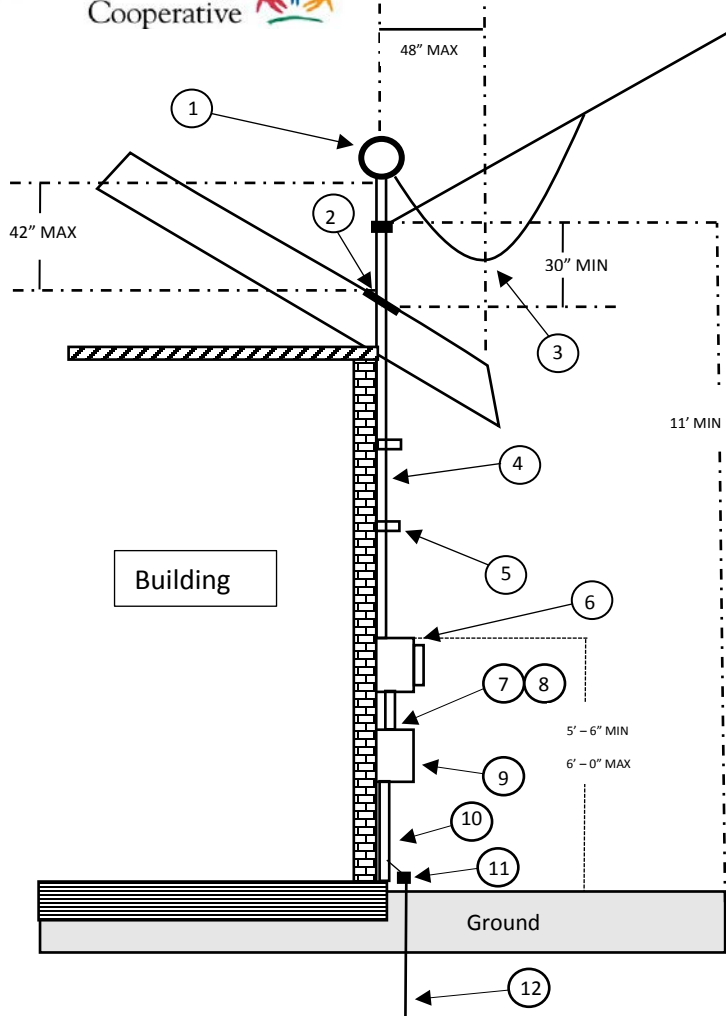
936-544-5641

METER LOOP INSTALLATION GUIDE FOR

**SERVICE MAST**

**100 AMP SERVICE, 120/240 VAC**

**BILL OF MATERIAL**



<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	1	2" Weatherhead
2	1	2" Roof jack
3	As Req'd	#2 Stranded copper with 90°C Insulation rating, Type RHH, THHN, THHW, or XHHW See Note Below.
4	As Req'd	2" Rigid Metal conduit
5	As Req'd	2" Conduit strap with screws. (Nails <b>NOT</b> acceptable)
6	1	Meter Socket (Furnished by HCEC)
7	1	2" Nipple
8	2	2" Conduit locknuts
9	1	2-Pole 100 AMP Weatherproof enclosure with 2" Hub if outside; if the enclosure is used inside, the distance to the meter should be kept at the min. according to the NEC. (no more than a 6 circuit breaker panel is allowed without a main breaker.)
10	As Req'd	Min. #6 Solid soft drawn copper wire.
11	1	ground clamp approved for the type of ground rod used.
12	1	8' by ½" copper coated ground rod is preferred or 8' by 5/8" galvanized ground rod is acceptable.

ALL REQUIREMENTS OF THE CURRENT EDITION OF THE NAT'L ELECTRIC CODE OR OF THE LOCAL CODES SHOULD BE FLOWED WHEN NOT ADDRESSED IN THIS GUIDE.

Note: The conductor size shall be as noted above or copper in accordance with the NEC, whichever is larger.

**Leave a minimum of 18" of conductor extending from the weatherhead.**