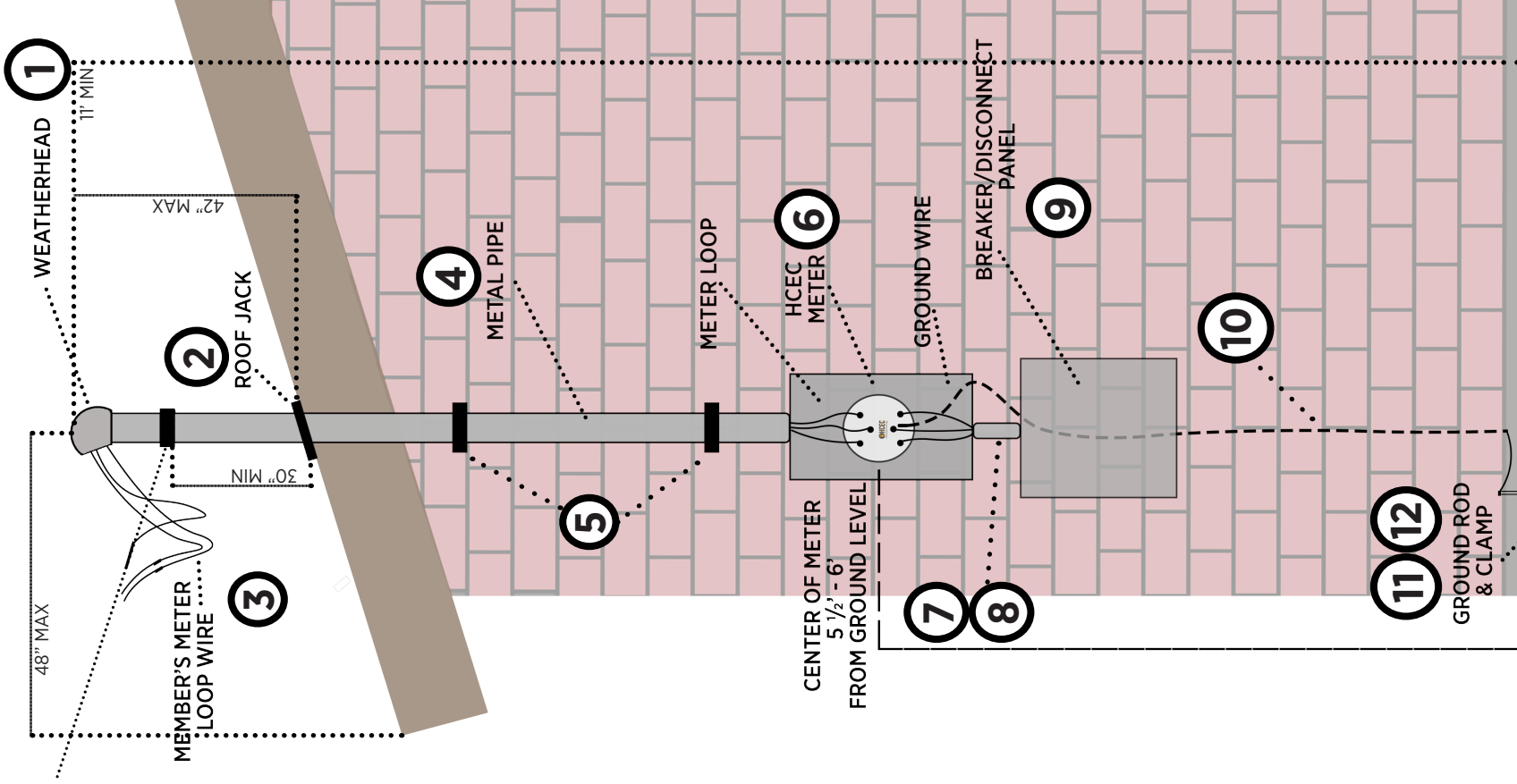


# METER LOOP INSTALLATION GUIDE FOR: SERVICE MAST 100 AMP SERVICE, 120/240 VAC

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



## Bill of Material:

| ITEM | QTY      | DESCRIPTION  |
|------|----------|--|
| 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 straps 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 1/2" copper coated ground rod is preferred or 8' by 5/8" galvanized ground rod is acceptable. The ground rod must be driven to ground level.   |

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

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