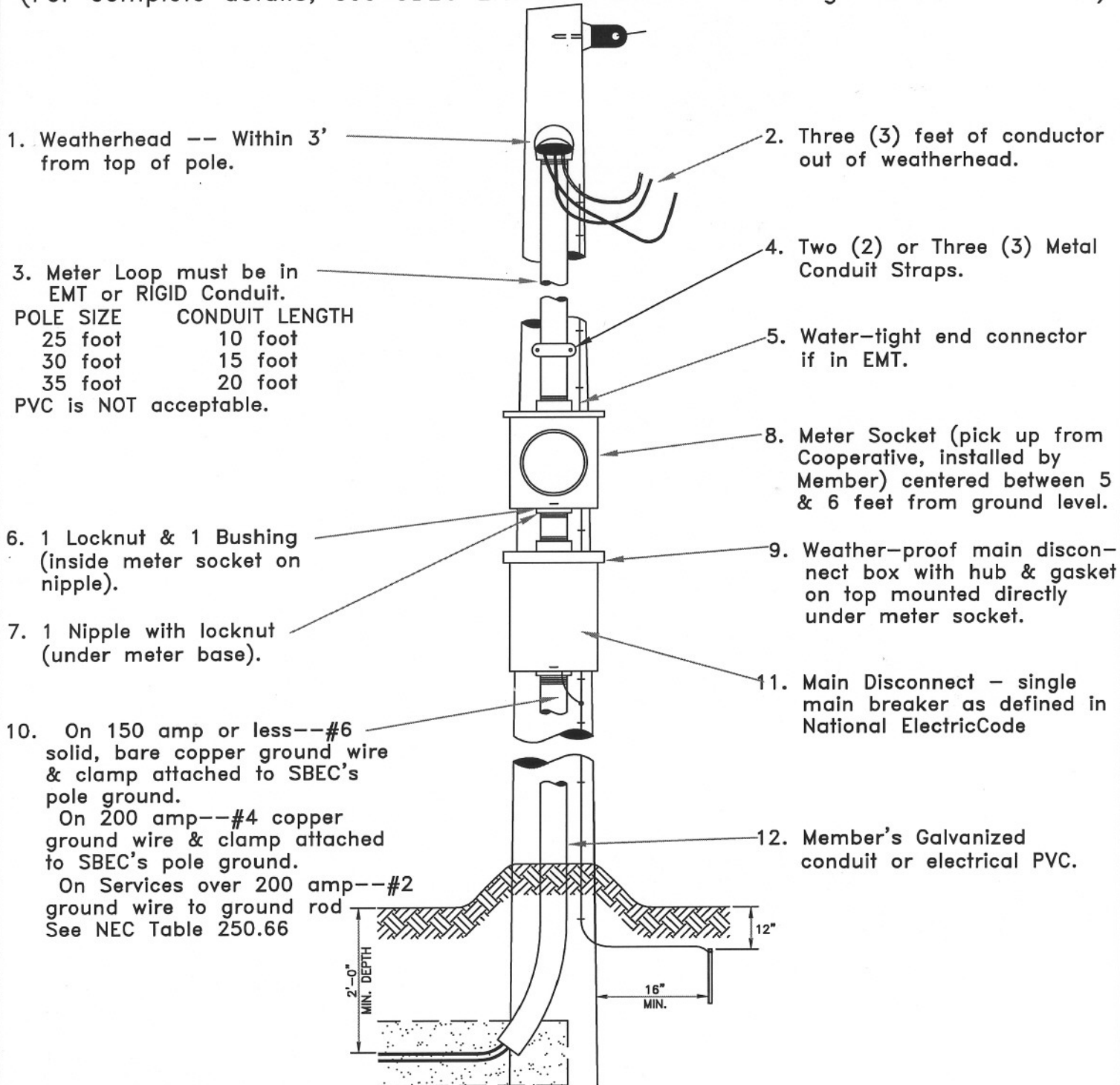


METER LOOP ON A PERMANENT POLE

Single Phase, 120/240 volts, up to 300 AMPS

(For complete details, see SBEC Electrical Service & Wiring Standards Booklet)



1. Weatherhead -- Within 3' from top of pole.

2. Three (3) feet of conductor out of weatherhead.

3. Meter Loop must be in EMT or RIGID Conduit.

4. Two (2) or Three (3) Metal Conduit Straps.

POLE SIZE	CONDUIT LENGTH
25 foot	10 foot
30 foot	15 foot
35 foot	20 foot

PVC is NOT acceptable.

5. Water-tight end connector if in EMT.

8. Meter Socket (pick up from Cooperative, installed by Member) centered between 5 & 6 feet from ground level.

6. 1 Locknut & 1 Bushing (inside meter socket on nipple).

9. Weather-proof main disconnect box with hub & gasket on top mounted directly under meter socket.

7. 1 Nipple with locknut (under meter base).

11. Main Disconnect -- single main breaker as defined in National Electric Code

10. On 150 amp or less--#6 solid, bare copper ground wire & clamp attached to SBEC's pole ground.
 On 200 amp--#4 copper ground wire & clamp attached to SBEC's pole ground.
 On Services over 200 amp--#2 ground wire to ground rod See NEC Table 250.66

12. Member's Galvanized conduit or electrical PVC.

NOTE: POLE & GROUND ROD TO BE PROVIDED & INSTALLED BY SBEC.

CURRENT CARRYING CAPACITIES & CONDUIT SIZE REQUIREMENTS OF STANDARD WIRE SIZES RH-RHH-RHW-THHW-THW-THWN-THHN-XHHW-USE

COPPER WIRE SIZE	COPPER NUETRAL SIZE	MAIN BREAKER SIZE	CONDUIT SIZE
AWG# 6	AWG# 6	60 AMP	1-1/4"
# 2	# 4	100 AMP	1-1/4" - 1-1/2"
# 1/0	# 2	150 AMP	2"
# 3/0	# 1/0	200 AMP	2"
# 300 MCM	# 4/0	300 AMP	Rigid 3"