

**MINIMUM REQUIREMENTS: METER LOCATION ON HOUSE**  
**SINGLE PHASE, 120/240 VOLTS, 3 WIRE SE ENTRANCE CABLE, 100 AMP. MINIMUM..**

**GENERAL NOTES**

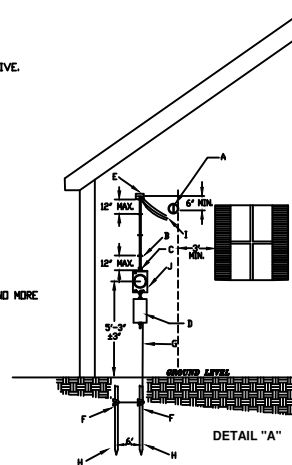
- ① COOPERATIVE WILL SUPPLY AND INSTALL SERVICE WIRES IN ACCORDANCE WITH THE LINE EXTENSION POLICY FROM THE COOPERATIVE POLE TO THE HOUSE. ALL MATERIAL SUPPLIED BY COOPERATIVE REMAINS PROPERTY OF COOPERATIVE.
- ② MEMBER TO SUPPLY COOPERATIVE APPROVED METER BASE.
- ③ ALL SERVICE ENTRANCE EQUIPMENT TO BE SUPPLIED AND INSTALLED ON HOUSE BY MEMBER. LOCATE WEATHERHEAD ABOVE POINT OF ATTACHMENT OF SERVICE DROP TO BUILDING, CONDUCTORS TO EXTEND AT LEAST 3 FEET BEYOND WEATHER HEAD FOR CONNECTIONS.
- ④ EMERGENCY DR SERVICE DISCONNECT IS REQUIRED PER NEC. EMERGENCY DISCONNECT WOULD BE A SOLID BLADE DISCONNECT, WHEREAS A SERVICE DISCONNECT WOULD BE A FUSED/BREAKER DISCONNECT. A METER/MAIN COMBINATION UNIT SUFFICES AS A SERVICE DISCONNECT.
- ⑤ ELECTRICAL JOINT COMPOUND SHALL BE APPLIED TO ALL ALUMINUM CONDUCTORS BEFORE INSTALLING IN TERMINALS OF METER BASE.
- ⑥ HEIGHT OF WEATHERHEAD SHALL BE NOT LESS THAN 13 FEET ABOVE GROUND LEVEL FOR PEDESTRIAN CLEARANCE AND 18 FEET FOR DRIVEWAY CLEARANCE.
- ⑦ WHEN INSTALLING ENTRANCE CABLE, A WATERTIGHT CONNECTOR SHALL BE USED AT THE TOP OF THE METER BASE, AND A NON-WATERTIGHT CONNECTOR SHALL BE USED AT THE BOTTOM OF THE METER BASE. FOR DRAINAGE, ENTRANCE CABLE CLAMPS SHALL BE NO MORE THAN 12 INCHES FROM BOTTOM OF WEATHERHEAD AND NO MORE THAN 12 INCHES FROM TOP OF METER BASE, REMAINING CLAMPS TO BE SPACED NO MORE THAN 30 INCHES APART.
- ⑧ 3 FEET IS THE MINIMUM CLEARANCE FOR SERVICE CONDUCTORS FROM WINDOWS, DOORS, PORCHES, FIRE ESCAPES, OR SIMILAR LOCATIONS. SEE NEC 230.9.
- ⑨ ALL WIRING TO BE IN ACCORDANCE WITH THE NEC.
- ⑩ MEMBERS CONDUCTOR TO EMERGENCY DR SERVICE DISCONNECT CAN NOT GO THROUGH BACK OF METER BASE.
- ⑪ CONNECTION OF CUSTOMER'S CONDUCTORS TO COOPERATIVE SERVICE DROP SHALL BE THE RESPONSIBILITY OF THE COOPERATIVE. FINAL CONNECT SUBJECT TO INSPECTION BY LOCAL GOVERNMENTAL AUTHORITY, WHERE REQUIRED.

**SERVICE ENTRANCE WIRE SIZE TABLE**  
**THREE-WIRE-SINGLE PHASE, RESIDENTIAL SERVICE**  
**CONDUCTOR TYPES AND SIZES**  
**RH-RHW-RHW-TW-TW-TW-TW-TW-TW**

BARE COPPER GROUND WIRE	COPPER ALUMINUM AND COPPER-CLAD AL.	SERVICE IN AMPERES
5	4	200
4	3/0	200

**DETAIL "A" NOTES**

- Ⓐ WIRE/CLAMP TO BE KEPT AT LEAST 6 INCHES BELOW THE TOP OF THE WEATHERHEAD
- Ⓑ CLAMPS
- Ⓒ WATERTIGHT CONNECTOR
- Ⓓ DISCONNECT PER NEC QUOTE 4)
- Ⓔ WEATHERHEAD
- Ⓕ GROUND CLAMP



**DETAIL "A"**

- Ⓐ THE SERVICE GROUNDING CONDUCTOR (BARE COPPER WIRE) SHALL BE CONTINUOUS AND TIED TO THE NEUTRAL CONDUCTOR IN THE SERVICE DISCONNECT (FUSED/BREAKER DISCONNECT) OR MAIN SERVICE PANEL. IF THE DISCONNECT IS AN EMERGENCY DISCONNECT (SOLID-BLADE DISCONNECT) AND SHALL NOT BE IN OR KEPT THROUGH THE METER BASE.
- Ⓑ 2x BROWN GROUND RODS MAY BE 5/8 INCH BY 8 FEET, GALVANIZED, AND DRIVEN ROD SHALL BE A MINIMUM OF 2 FEET FROM FOUNDATION AND 1 FOOT BELOW GROUND LEVEL. GROUND ROD CLAMP SHALL CONNECT GROUND WIRE SECURELY TO GROUND ROD.
- Ⓒ DROP LOOP
- Ⓓ METER BASE < MEMBER SUPPLIED >

DATE: 5/9/24

DESIGN: JEF

SCALE: 1/4"

OVERHEAD METER ON HOUSE  
 ENTRANCE CABLE

