

# FORT LOUDOUN ELECTRIC COOPERATIVE

## Specification For Customer Owned Served From Underground Meter Pole

### POLE REQUIREMENTS

1. POLE MUST BE A MINIMUM 4 X 4 PRESSURE TREAT WOOD POST.
2. POLE MUST BE SET AT A MINIMUM OF 2 FEET DEEP.
3. POLE MUST BE SET BESIDE OR BEHIND FORT LOUDOUN ELECTRIC COOPERATIVE TRANSFORMER, FREE OF CLEAR ZONE.
4. POLE SHALL BE EXACTLY TWO (2) FEET FROM TRANSFORMER VAULT (BASE THAT TRANSFORMER SITS ON), TO NEAREST SIDE OF POLE.
5. BOTTOM OF PANEL MUST BE NO CLOSER THAN 2 FOOT FROM FINAL GRADE.
6. BOTTOM OF GFI RECEPTACAL WITH WEATHERPROOF BUBBLE COVER MUST BE NO CLOSER THAN 1 FOOT FROM FINAL GRADE.
7. METERBASE MUST NOT BE MORE THAN 6 FOOT FROM GROUND LEVEL TO CENTER OF METER SOCKET, AND NO CLOSER THAN 4 FOOT FROM FINAL GRADE.
8. #4 BARE COOPER UNBROKEN FROM METERBASE TO 8 FOOT DRIVEN GROUND ROD.

### WIRE REQUIREMENTS

1. Wire sizes are for Conductor from Meterbase To Transformer.
2. Wires Must Be IN FLEX SEAL TIGHT CONDUIT.
3. Customer Must Provide Enough Wire And Conduit For Fort Loudoun Electric Cooperative Employees To Install Wire Into Transformer.

ALUMINUM CONDUCTOR CHART	
200A	100A
(2) - 4/0 (HOT)	(2) - #2 (HOT)
(1) - 2/0 (NEUT.) WHITE	(1) - #4 (NEUT.) WHITE

COPPER CONDUCTOR CHART	
200A	100A
(2) - 3/0 (HOT)	(2) - #2 (HOT)
(1) - 1/0 (NEUT.) WHITE	(1) - #4 (NEUT.) WHITE

COPPER	
60A	
(2) - #6 (HOT)	
(1) - #8 (NEUT.) WHITE	

**NOTICE!!!**  
CUSTOMER SHALL NOT EXCAVATE (DIG) UNDER OR INTO TRANSFORMER PAD, VAULT, OR ENCLOSURE. FORT LOUDOUN EC EMPLOYEES SHALL INSTALL SERVICE INTO TRANSFORMER.

