



# CLAVERACK RURAL ELECTRIC COOPERATIVE, INC.

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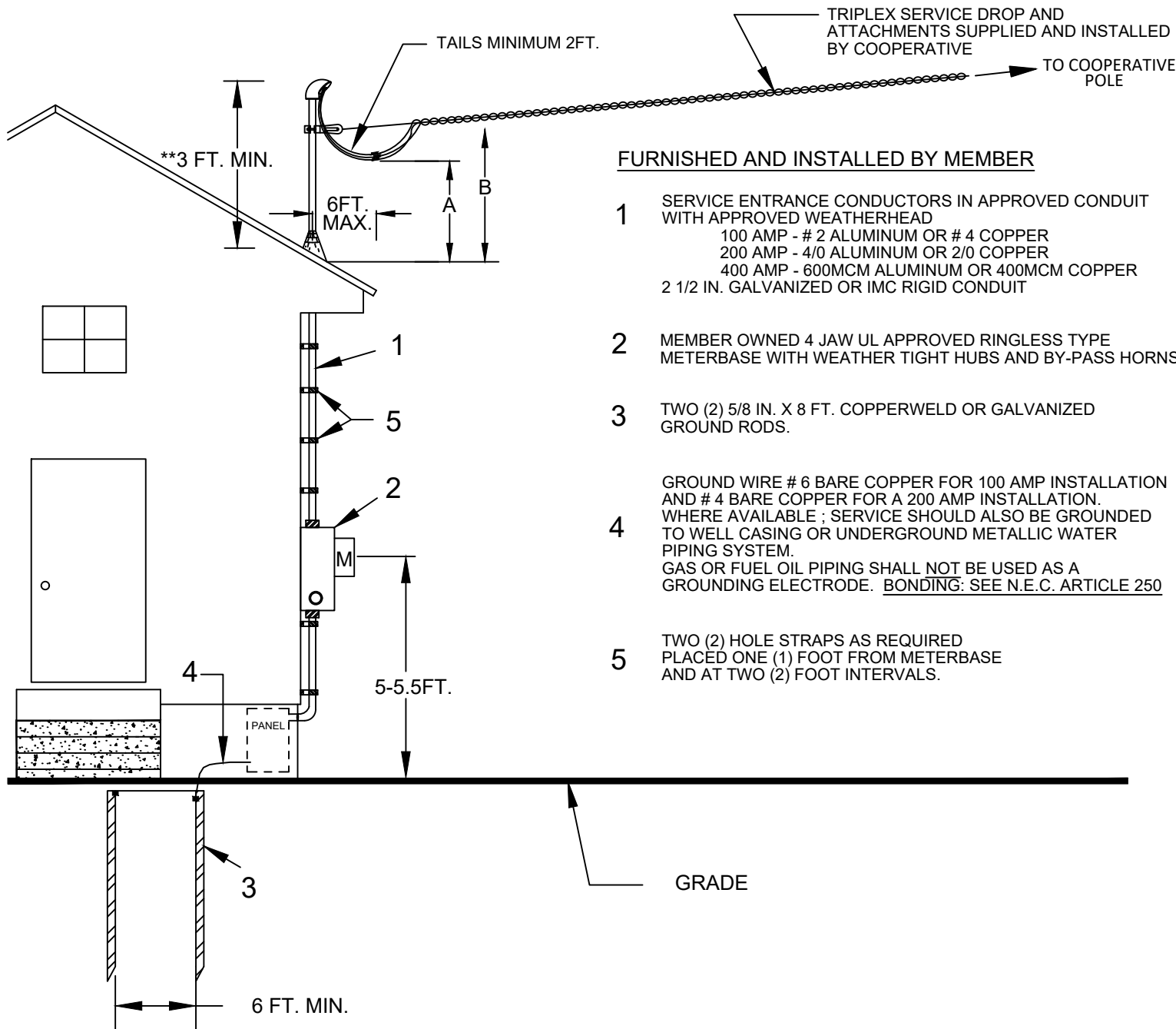
## INSTALLATION REQUIREMENTS FOR MAST TYPE SERVICE FOR PERMANENT BUILDING

### IMPORTANT :

ALL INSTALLATIONS MUST BE INSPECTED AND APPROVED BY A RECOGNIZED INSPECTION AGENCY BEFORE THE SERVICE CAN BE ENERGIZED.

- A MAINTAIN NOT LESS THAN 18 IN. VERTICAL CLEARANCE ABOVE ROOF
- B MAINTAIN NOT LESS THAN 3 FT. VERTICAL CLEARANCE IN ACCORDANCE WITH NEC ARTICLE 230.24
- \* TRIPLEX SERVICE DROP SHALL BE 19 FT. MINIMUM OVER PUBLIC AND PRIVATE THOUGHFARES, DRIVEWAYS AND LAND TRAVERSED BY TRUCKS.
- \*\* MAST HIGHER THAN 3 FT. ABOVE ROOF REQUIRES GUYING.

ALL INSTALLATIONS TO BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE



### FURNISHED AND INSTALLED BY MEMBER

- 1 SERVICE ENTRANCE CONDUCTORS IN APPROVED CONDUIT WITH APPROVED WEATHERHEAD  
100 AMP - # 2 ALUMINUM OR # 4 COPPER  
200 AMP - 4/0 ALUMINUM OR 2/0 COPPER  
400 AMP - 600MCM ALUMINUM OR 400MCM COPPER  
2 1/2 IN. GALVANIZED OR IMC RIGID CONDUIT
- 2 MEMBER OWNED 4 JAW UL APPROVED RINGLESS TYPE METERBASE WITH WEATHER TIGHT HUBS AND BY-PASS HORNS.
- 3 TWO (2) 5/8 IN. X 8 FT. COPPERWELD OR GALVANIZED GROUND RODS.  
  
GROUND WIRE # 6 BARE COPPER FOR 100 AMP INSTALLATION AND # 4 BARE COPPER FOR A 200 AMP INSTALLATION. WHERE AVAILABLE ; SERVICE SHOULD ALSO BE GROUNDED TO WELL CASING OR UNDERGROUND METALLIC WATER PIPING SYSTEM. GAS OR FUEL OIL PIPING SHALL NOT BE USED AS A GROUNDING ELECTRODE. BONDING: SEE N.E.C. ARTICLE 250
- 4 TWO (2) HOLE STRAPS AS REQUIRED PLACED ONE (1) FOOT FROM METERBASE AND AT TWO (2) FOOT INTERVALS.