

# A Typical 100 Ampere Residential Mast Service Entrance



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Cooperative, Inc.**

A Touchstone Energy Cooperative

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Note: All current National Electric Code requirements will be the responsibility of the consumer prior to connection.

**MAST NOTE:** If mast requires more than one section of conduit, the longest section of conduit shall be on top.

If outside meter socket is more than 6 feet from inside main panel box after coming through the wall, an outside main disconnect will be required.

One could either add a disconnect under the meter socket, or use a combination meter socket / disconnect. A (4) wire entrance circuit will then need to be utilized.

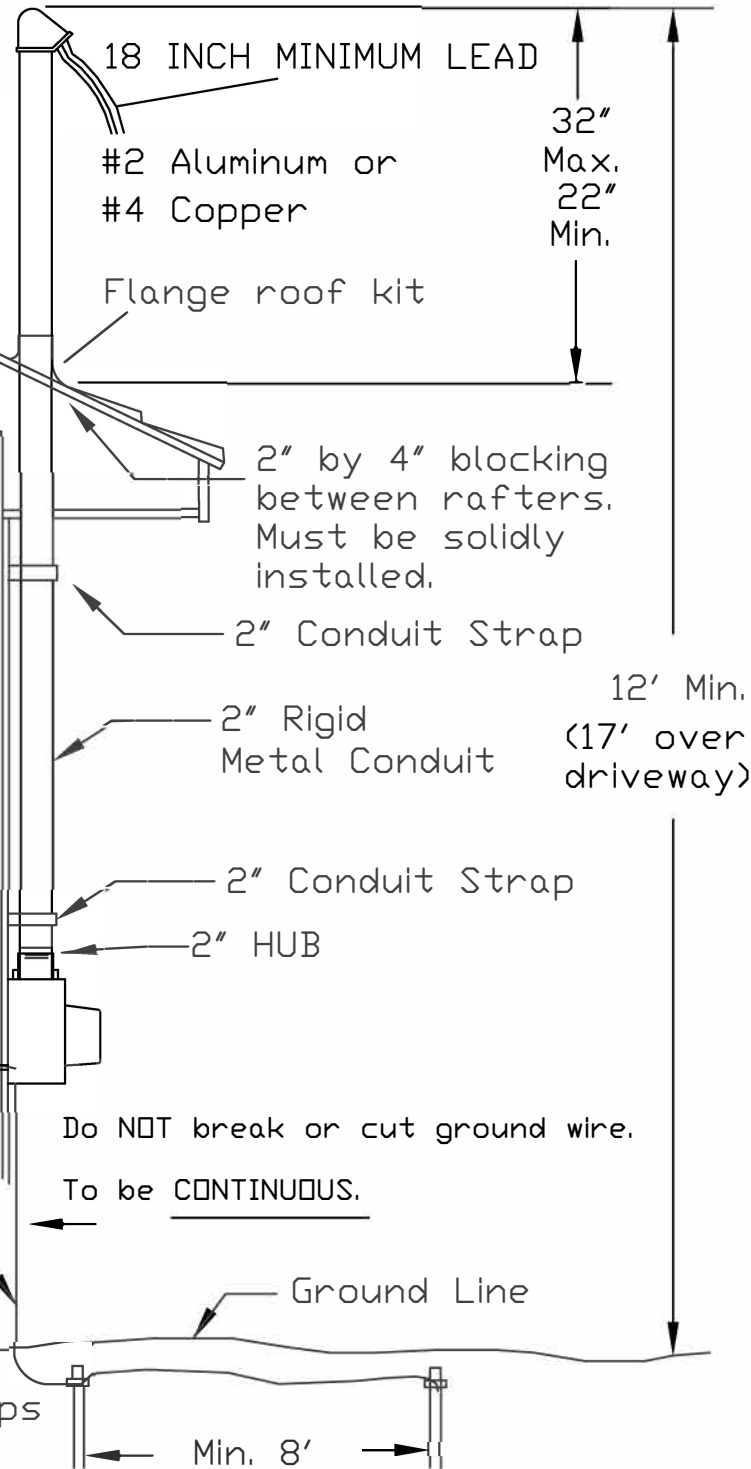
Meter socket, 4 terminal, ringless type, 3-wire (with grounding lug), 1 phase, 600 volt, 125 ampere rated.

To be mounted between 4 feet 6 inches and 6 feet above ground line.

Entrance Cable  
#2 Aluminum or  
#4 Copper

Ground Wire to Ground Rods  
#4 Bare Copper

Two Bronze Ground Rod Clamps  
Two 5/8 " x 8' Ground Rods



Do NOT break or cut ground wire.  
To be CONTINUOUS.

**NOTE:** Ground wire to run from meter socket or breaker panel and connect the two ground rods with one continuous wire.

**WARNING - AT NO TIME SHOULD YOU PUT COPPER AND ALUMINUM TOGETHER UNDER THE SAME CONNECTOR. CORROSION INHIBITOR TO BE USED ON ALL ALUMINUM CONNECTIONS.**