

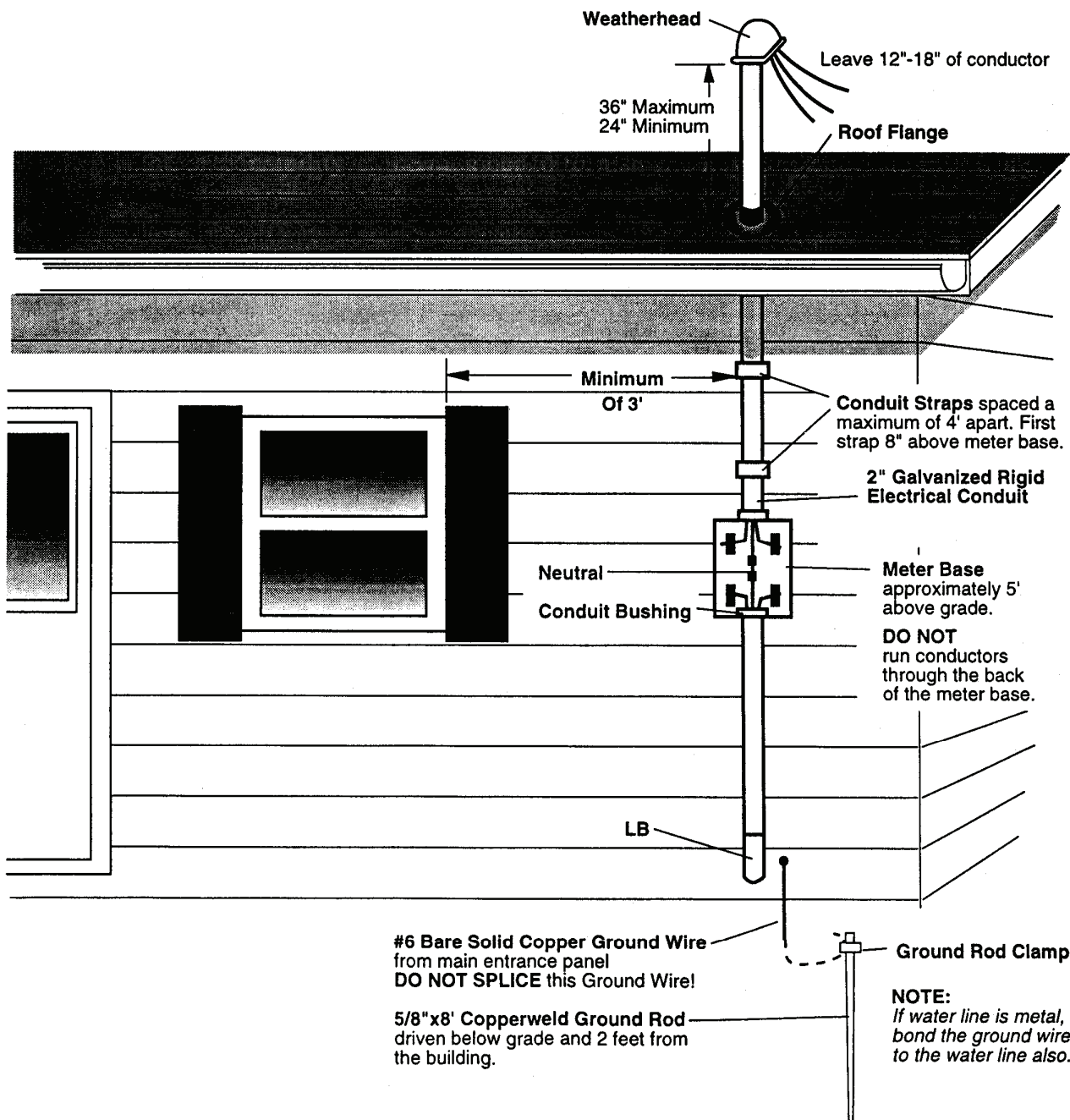
# **RESIDENTIAL SERVICE ENTRANCE WHERE MAST IS REQUIRED**

It is the responsibility of the member to furnish and have installed the following:

PLEASE HAVE THE LOCATION OF THE SERVICE APPROVED BY THE COOPERATIVE BEFORE WORK IS STARTED

**For Aluminum  
Conductors:**  
use aluminum electrical  
joint compound at all  
connections

| Size of Service  | 100 amp                  | 150 amp                         | 200 amp                         |
|--|--------------------------|---------------------------------|---------------------------------|
| Service Entrance Cable<br>Conductor Size<br>Type THHN, TW<br>XHHN or<br>equivalent | #2 aluminum<br>or copper | #2/0 aluminum<br>or #1/0 copper | #4/0 aluminum<br>or #3/0 copper |
| Size of Conduit  | 2"                       | 2"                              | 2"                              |



# Guernsey-Muskingum Electric Cooperative, Inc.

17 South Liberty Street  
New Concord, Ohio 43762  
(740) 826-7661 or (800) 521-9879 (Ohio Only)

## Single Phase 120/240 Volt Service Specifications

The following recommendations have the purpose of safeguarding members and employees, and of providing adequate service to all members.

These recommendations and the specifications listed below are minimum standards. In addition to compliance with these standards, all electrical installations must comply with the National Electric Code and any state or local laws that may be in force at the time.

### General Requirements of the National Electrical Code

All new or renovated single dwellings shall have a minimum main service capacity of **100 amp**.

All meters shall be located so as to be exposed and accessible from the outside.

The main service panel shall be located at a readily accessible location nearest the point of entrance of the service entrance conductors.

All conduit threads and threaded or threadless fittings used must be made watertight.

To conform with the National Electrical Safety Code when planning a service, the following minimum clearances from the ground are to be observed:

**Minimum** of 18ft. over roads, driveways, and parking areas subject to truck traffic.

Service conductors shall have a clearance of not less than **3 feet** from windows, doors, porches, fire escapes, or similar locations.

Consumer wiring systems and equipment shall not be installed on poles owned by Guernsey-Muskingum Electric Cooperative.

In underground installations, the depth of the trench and the use of conduit are safety measures which must be adhered to. It is advisable to keep underground services to a maximum of 150 ft.

When using aluminum conductors, electric joint compound must be applied at all connections. Copper and aluminum must not be terminated under the same connector unless the connector is of the bi-metal type.

All meters of Guernsey-Muskingum Electric Cooperative are sealed. These seals shall not be broken other than by qualified personnel of the Cooperative or its designated agent.

**Guernsey-Muskingum Electric Cooperative reserves the right to refuse electric service to any facility where the consumer's wiring system might result in undue hazard to the consumer, the Cooperative's employees, or the general public.**

**The "Electrical Inspection Requirements" sheet must be filled out, signed by qualified electrician or property owner, and mailed or faxed to Guernsey-Muskingum Electric Cooperative before service will be connected.**