



# ADAMS RURAL ELECTRIC COOPERATIVE, INC.

Your Touchstone Energy® Cooperative 

PO BOX 247, WEST UNION, OHIO 45693

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## Mast Installation

1. The weather head must be installed. Entrance cable must stick through the weather head a minimum of 2'. Conduit must be above the roofline a minimum of 30" and a maximum of 42"
2. All vertical line clearances must be 16.5' for residential driveways; 20' for roads, streets, parking lots, and other areas subject to truck traffic; and 12.5' over spaces subject to pedestrian traffic.
3. Entrance cable must be #4, 3-wire copper or #2, 3-wire aluminum for a 100-amp service, and #2/0 copper or #4/0 aluminum for a 200-amp service, and must be securely fastened to the building side with clamps 2' apart.
4. Conduit must be a minimum of 2" rigid, and must be securely fastened to the building with conduit clamps spaced evenly between the top of the meter base and the overhang of the building.
5. Meter bases are available for purchase at the cooperative office. The meter will be installed by Adams Rural Electric when service is connected.
6. Meter base and disconnect must be mounted and securely fastened to the house at 5' to the center of the meter from the finished ground line. All meter bases must have a readily accessible disconnect switch per the NEC (National Electric Code) 230.70(A)(1).
7. Do not wire directly out of the back of the meter base. Entrance to the switch box must exit from the bottom right side of the meter base with an entrance cable or 2" conduit.
8. Use a 100-amp main for a 100-amp service and a 200-amp main for a 200-amp service in the disconnect box.
9. Ground wire must be #6 bare copper (100 amp) and #6 bare copper (200 amp) and will be connected to a disconnect and run down the building to the finished ground line.
10. The ground rod clamp will attach the wire to the ground rod.
11. Ground rod must be 8' x 5/8" copper or 8' x 3/4" galvanized and driven full length into the ground. All new services must have two ground rods 6' apart.
12. Installation must be completed by the member before inspection.

**For all new electrical service installations, a certified electrician must inspect the installation and sign off, verifying that the service has been installed in accordance with applicable codes and specifications.**

**If the member chooses not to obtain an electrician's inspection, the member may waive the inspection requirement by signing a Waiver of Inspection Form. By signing the waiver, the member acknowledges and accepts full responsibility for the installation, condition, and safety of the electrical service and releases the Cooperative from any liability related to the installation.**

