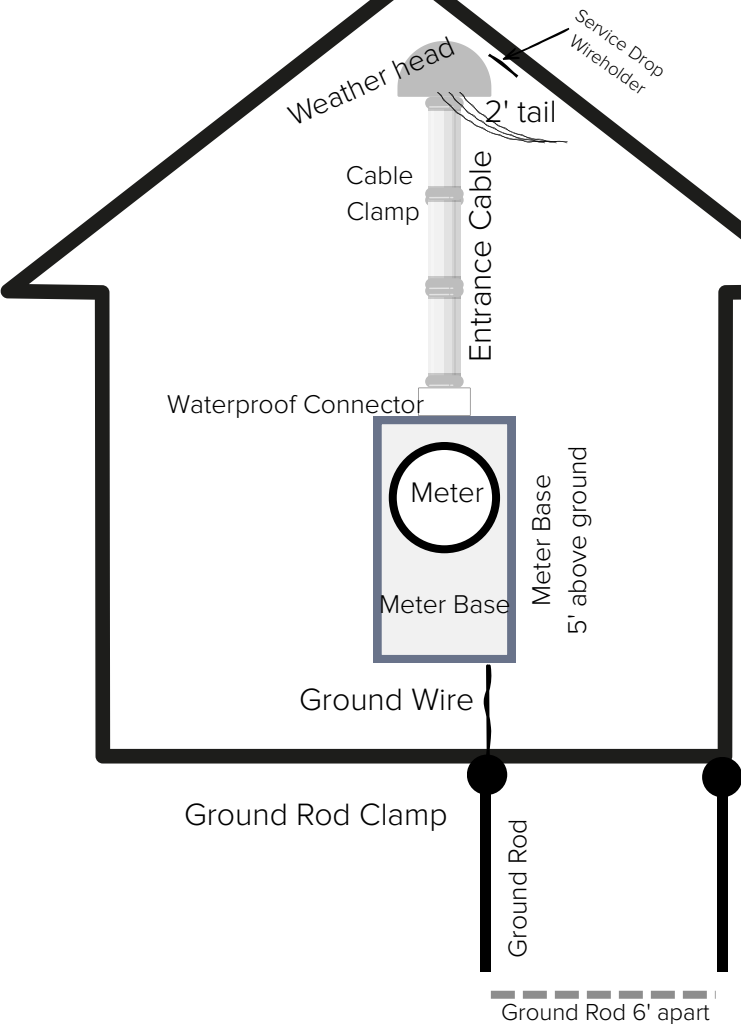
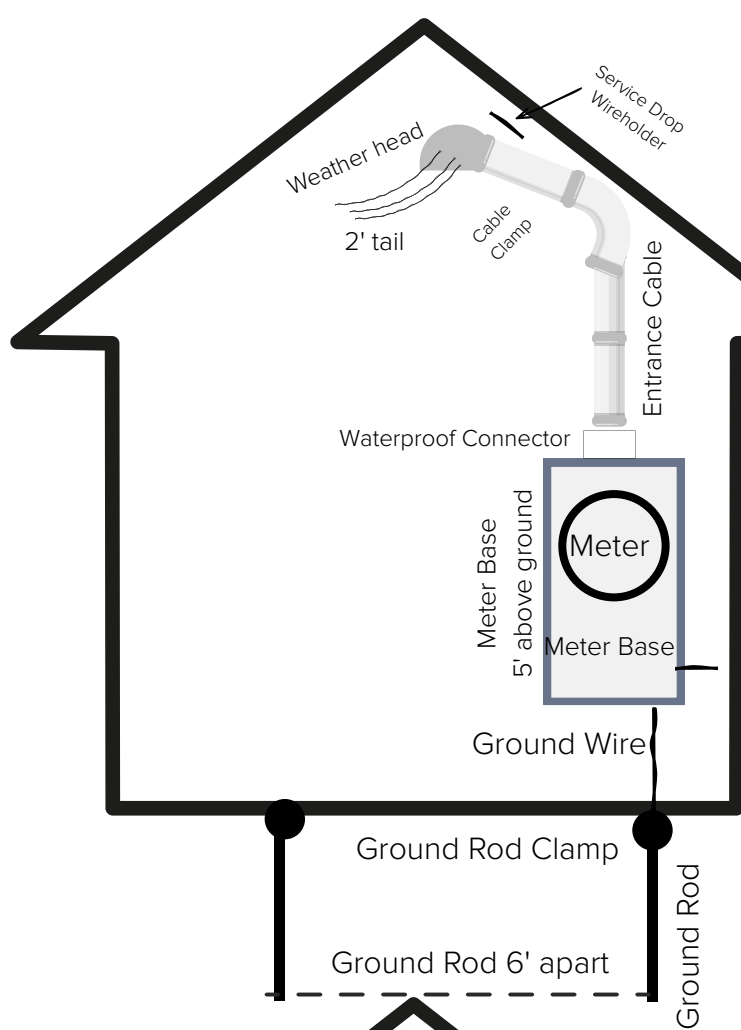


Entrance Cable




1. The weather head must be installed. The entrance cable must stick through the weather head 2'. Clearance from the finished ground line to the weather head must be a minimum of 15'.
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. Use a watertight connector according to the cable size at the top of the meter base.
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. Use a 100-amp main (for a 100-amp service) or a 200-amp main (for a 200-amp service) in the breaker panel.
8. Do not wire directly out of the back of the meter base! Entrance to the breaker panel must exit from the bottom right or right side of the meter base with entrance cable or 2" conduit.
9. Ground wire is #6 bare copper (100 amp) and #6 bare copper (200 amp) and will be connected to the disconnect and run down the building to the finished ground line.
10. The ground rod clamp will attach the ground wire to the ground rod.
11. Ground rod will be 8'x5/8" copper or 8' x3/4" galvanized and must be driven the full length into the ground. All new services must have two ground rods 6' apart.

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.



**ADAMS RURAL ELECTRIC
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