

Typical Overhead Service Installation

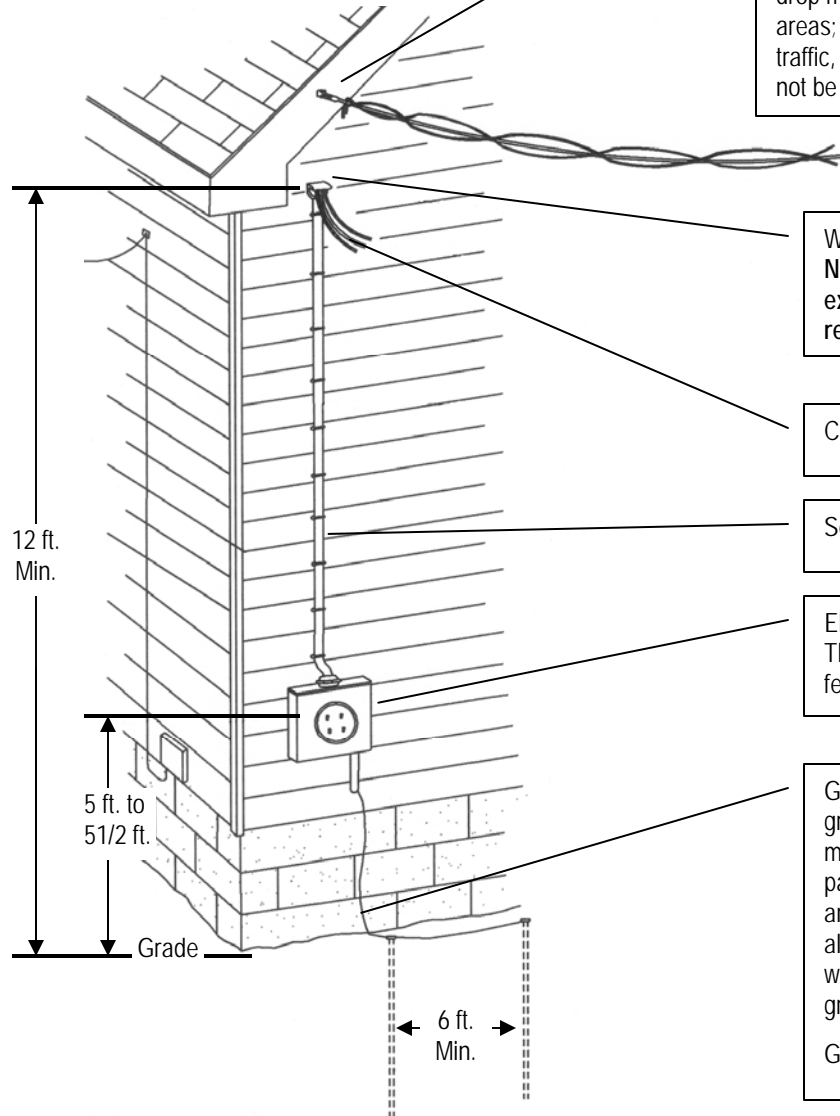
United Electric Cooperative, Inc.

Phone: 1-888-581-8969

NOTE: Point of attachment of service drop and Weatherhead must be at least 36 inches from doors, porches, or fire escapes. They must also be 36 inches from sides or bottom of windows. Service drop may not be within 36 inches in front of window.

Overhead triplex service drop and attachments furnished and installed by the Cooperative. Exact location of point of attachment must be approved by the Cooperative.

Not less than 12 ft. from grade to point of attachment. Service drop must be 16 ½ ft. over residential driveways and parking areas; 18 ft. over commercial areas, agricultural areas, truck traffic, public roads, streets and alleys. If these clearances can not be maintained, a Mast Service may be required.



Weatherhead
Note: all equipment beyond this point (with the exception of the meter) is owned by and is the sole responsibility of the member.

Conductors must extend 2 ft. beyond Weatherhead.


Service Entrance Cable, 100 AMP minimum.

Electric Meters must be located in an accessible area. The area must be free of obstructions, i.e. trees, plants, fences.

Grounding - On a 200 AMP service, a continuous #4 copper grounding conductor is to be furnished and installed by the member or contractor from the entrance panel (breaker panel or fuse box in home) to two approved ground clamps and rods 8 ft. deep and 6 ft. apart. The service panel must also be grounded to the well casing or underground metallic water piping system if available. A continuous #6 copper grounding conductor is adequate for a 100 AMP Service.

Ground rod should be driven flush with grade.



A Touchstone Energy® Partner 

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Meter Base Specifications

Meterbase must be furnished and installed by the owner or electrical contractor. The meterbase for overhead or underground services will not be provided by the Cooperative, it can be purchased from any local electrical distributor or dealer.

Meterbase must meet the following specifications:

1. Pressure plates for connections
2. 4 jaws
3. Ringless
4. Standard Knockouts
5. Steel case
6. Horn Type bypass
7. Unused hub opening and open knockouts shall have tamperproof closing plates installed.
8. Multiple position bases shall have individual sealable cover for each position. Extra position wiring space (if provided) shall be located on or near center and shall have an individual sealable cover.
9. Meter bases for underground will be 14" high x 11" wide x 4 3/8" deep or larger.
10. 100 Amp overhead meter base will be 8" high x 8" wide x 3 1/4" deep, minimum size with 1 1/4" hub.
11. 200 Amp overhead meter base will be 14" high x 8" wide x 3 1/2" deep, minimum size with 2" hub.

*The electrical service must pass inspection by an approved electrical inspection agency before it will be energized.