

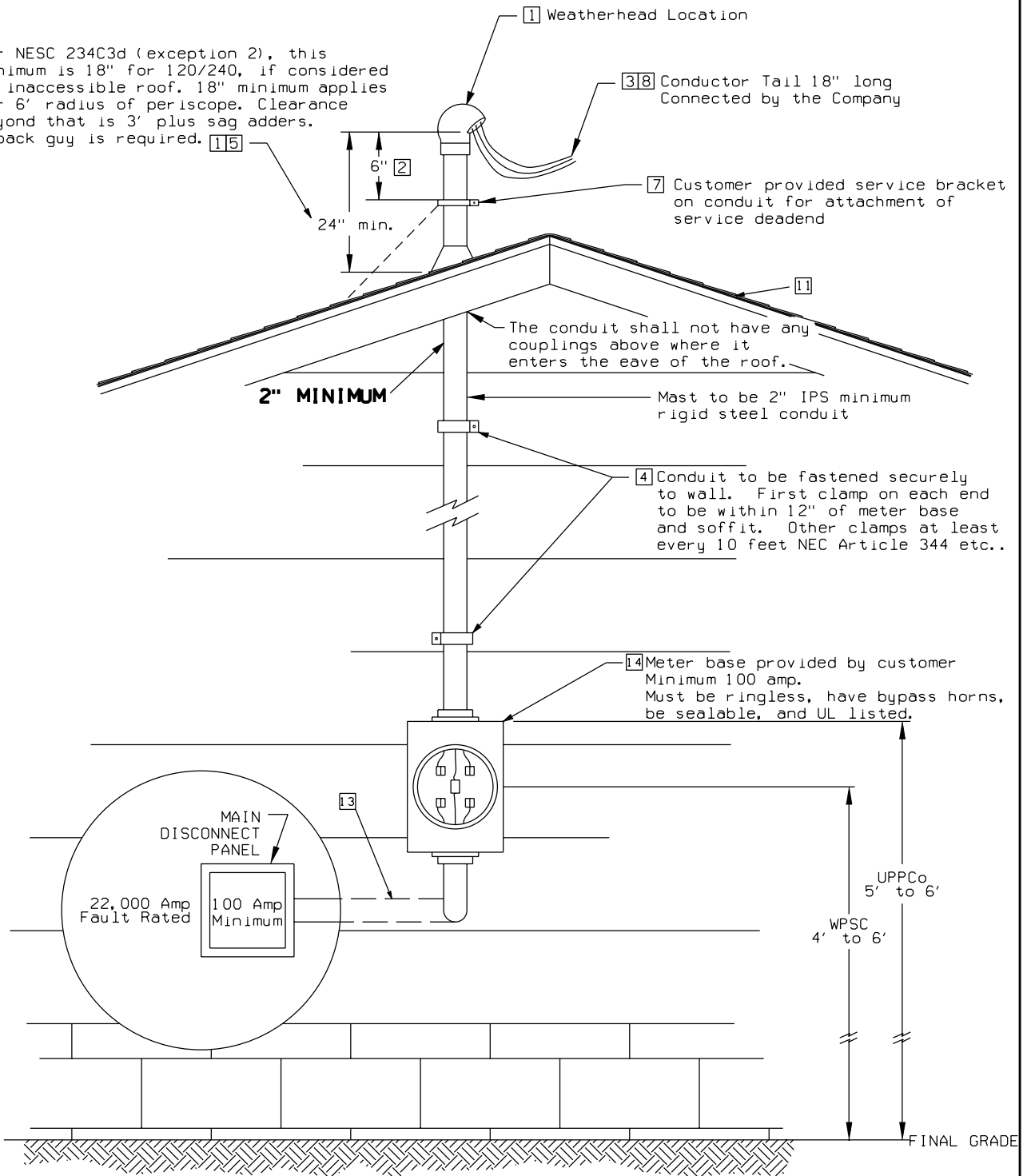
Revised: 03/10

WPS/UPPCO SERVICE MANUAL

100-200 AMP SINGLE PHASE OH (OPTION 1)

2-4a

Per NESC 234C3d (exception 2), this minimum is 18" for 120/240, if considered an inaccessible roof. 18" minimum applies for 6' radius of periscope. Clearance beyond that is 3' plus sag adders. A back guy is required.



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100-200 AMP SINGLE PHASE OH (OPTION 2)

☐ NOTES:

1. Company employees must designate the service location and specify the mounting height of the periscope. This is required because of numerous code clearance issues with the overhead service drop conductors.
2. The weatherhead must extend at least 6 inches above the "attachment point" for the service drop. This "attachment point" must be installed by the customer. It must be adequately attached so it can handle 650 lbs. of line tension.
3. The conductor coming out of the weatherhead shall be at least 18 inches long. The Company will make the connections to the overhead service conductors.
4. The conduit shall be adequately supported with pipe straps. The meter socket shall also be adequately attached to the structure.
5. All periscopes (unsupported conduit extending above the roof) shall be made of rigid metal electrical conduit and shall be back guyed. Aluminum, IMC or thin wall are NOT acceptable. Minimum size shall be 2 inch for 0-200 amp, because of strength requirements. This includes upgrades to 100 Amps. No couplings can be above where the conduit enters the roof overhang or anywhere above the roof on the periscope.
6. If an overhead service is mounted on a pole or post, the pole or post shall be back guyed, having a minimum of a 6-inch dia. top, and be pressure-treated with a wood preservative. An alternative is a minimum 6"x6" treated timber. This pole or post location, height, and burial depth shall be approved by the Company.
7. Communication and customer-owned circuits cannot be attached to electrical entrance periscopes (NEC 230.28) but can be grandfathered if attached prior to 1996.
8. The neutral conductor shall be identified by white tape, white insulation, white paint, or other techniques approved by NEC Article 200 and 230.22.
9. Avoid wood decks when locating the meter socket.
10. Service entrance cable (rather than conduit) is acceptable, if installed properly, accepted by local inspection authority, and not placed behind any siding.
11. Supports used to support service-drop conductors to attain clearance over buildings should be avoided for new installations. For existing installations, they must be substantial and meet the requirements of NEC 230.29.
12. The drip loop and overhead service conductors must be placed at least 3 feet in any direction from windows (designed to open), doors, porches or similar structures. An exception is above the top level of a window. They must also not be readily accessible. [NESC 234 C3d(2)]
13. The main disconnect must be installed as close as possible to the entrance of the building and still in a readily accessible location. NEC 270.70(A). In Wisconsin, this is also limited to eight feet. If conduit or cable is under siding or bricked in, it is considered as already inside the building for WI. COMM 16.230(3).
14. **The Company has no list of approved sockets for this application. The only requirements are that they be UL listed, be a minimum of 100-AMP rated, ringless style, have horn bypass, and be sealable. The meter base shall be securely mounted. NEC 110.13(A).**

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