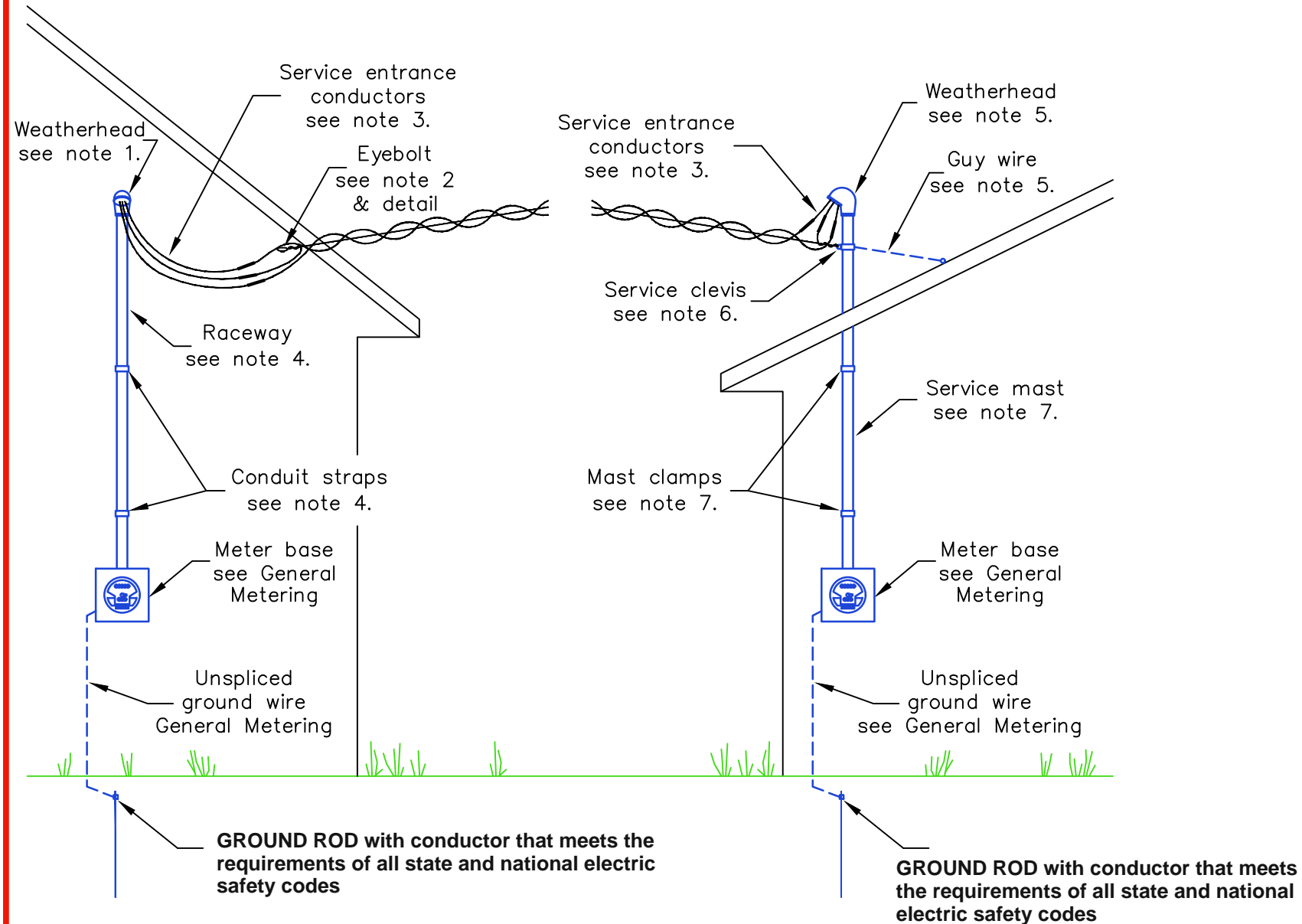
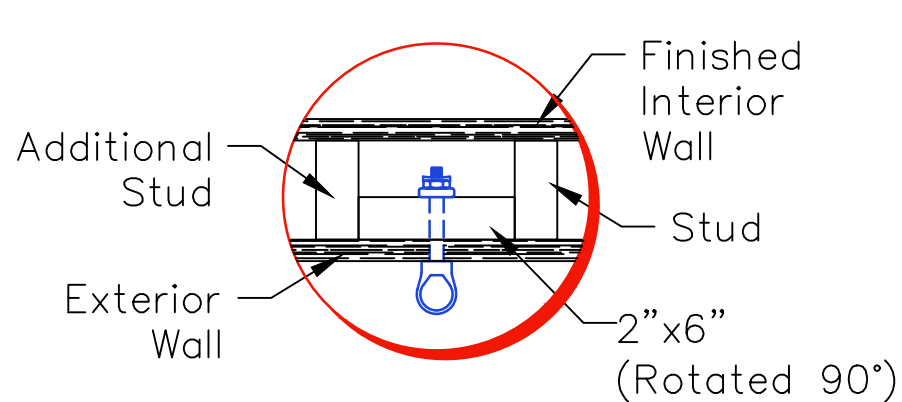


225 amp or less

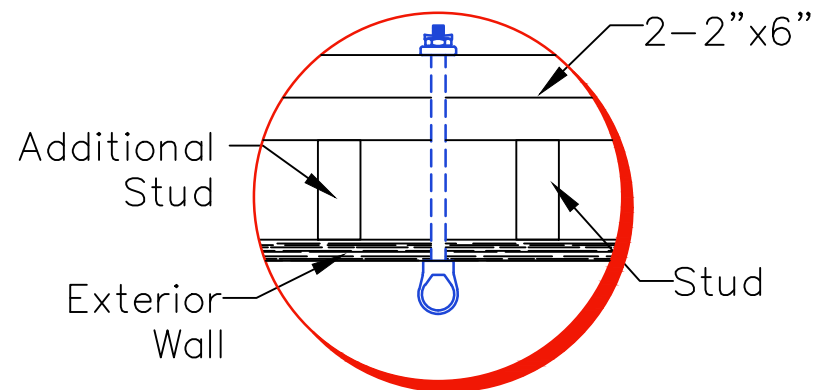


Notes

- Weatherhead must be above point of service drop attachment.
- An eyebolt (5/8" minimum) and related hardware will be furnished and installed by the member. The eyebolt must pass through a plate consisting of two 2"x6"s doubled together similar to a window header spanning two or more wall studs and secured to the studs with a minimum of two four-inch lag screws in each end of the 2"x6" assembly. If the eyebolt is installed outside a finished wall, such that the nut and washer protruding past the doubled 2"x6"s into the interior of the structure will hinder finishing of the interior wall, the alternate method may be used. This consists of a single 2"x6" equal in length to a wall stud, turned 90 degrees, nailed to a wall stud along its entire length, and backed by an additional stud situated normally and nailed to the 90 degree 2"x6". The 2"x6" shall be nailed in with a minimum of 5 nails per side, with no more than 14" between nails along its length. This assembly will provide a cavity for the nut and washer assembly to clear the stud side of the interior wall wallboard. See "Alternate Eyebolt Detail".
- Residence Clearance – The eyebolt must be below as required by NEC 230.54C and within 18 inches of weatherhead and minimum of 12 feet above final grade. Point of service drop attachment will be of sufficient height to provide minimum clearance as specified by the National Electric Code (NEC) and the National Electric Safety Code (NESC). If the area below the service drop has the ability to be accessed by trucks, farm equipment, or horses, the NESC requires 16'.
- Non-Residence Clearance (detached buildings) – The eyebolt must be below as required by NEC 230.54C and within 18 inches of weatherhead and minimum of 16 feet above final grade. Point of service drop attachment will be of sufficient height to provide minimum clearance as specified by the National Electric Code (NEC) and the National Electric Safety Code (NESC). The NESC requires 16' to all non-residential buildings.
- Service entrance conductor must extend 36" out of the weatherhead.
- Rigid conduit or Schedule 80 PVC with rain-tight couplings and connectors may be used as service entrance conductor raceway. Service entrance raceways will be secured with a minimum of 2 conduit straps, the lower being within 3 feet of top of meter base.
- Where a mast riser is used, weatherhead will be a minimum of 36 in. above roof. If weatherhead is more than 42 inches above roof, a guy wire with eyebolt through rafter is required.
- Service clevis assembly will be furnished and installed by CEMC.
- Service mast will be 2" rigid metal conduit secured with a minimum of 2 mast clamps fastened to a structural part of the building (sheathing on a vinyl sided house is not sufficient) with 1/2" clamp bolts; the lower being within 3 feet of top of the meter base and the upper being within 3 feet of where the mast passes through the roof. Sections of conduit must be connected using threaded couplings, and the threaded coupling must be located between the clamps.



ALTERNATE EYEBOLT DETAIL



PREFERRED EYEBOLT DETAIL



OVERHEAD RESIDENTIAL SERVICE

DRAWING NUMBER:

ESG-1

REVISED DATE:

JULY 1, 2021

SCALE: NONE

SHEET: 1 OF 1