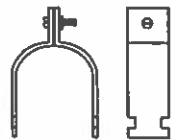
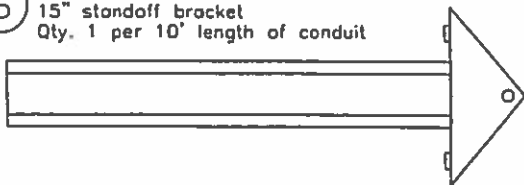
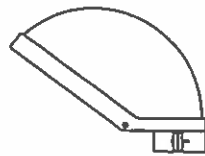


Construction Guide For Secondary Underground Service - Conduit Riser on GVEA Pole (Type G)

Golden Valley Electric Association, Inc.
 758 Illinois Street
 P.O. Box 71249
 Fairbanks, AK 99707-1249
 (907)458-5870 - New Construction Phone Number

MATERIAL LIST:

- 1 Galvanized rigid or intermediate metal conduit (in 10' lengths). Consult GVEA for number of 10' lengths of conduit required. (Typically 2-4)
- 2 Weatherhead for conductor size to 250 KCM Qty.1 or heat shrinkable breakout boot for conductor size 300 KCM and larger Qty.1
- 3 Conduit coupler Qty.1 per piece of conduit
- 4 Conduit ground clamp #4 sol.cu. to conduit Qty. 1
- 5 Conduit bushing if direct burial.
- 6 15" standoff bracket Qty. 1 per 10' length of conduit
- 7 Conduit clamp Qty. 1 for each conduit supported by standoff bracket. Clamp must be listed for use with conduit type installed.
- 8 Galvanized lag screw 4 1/2 x 1/2 Qty. 2 per standoff bracket



NOTES

1. Consult GVEA for number of 10' lengths of conduit required. (Typically 2-4)
2. Unless otherwise noted, all items on this sheet are to be furnished by members.
3. Leave wire length sufficient to reach top of pole. Coil and hang excess on pole for GVEA connection to transformer. Wire size and type to be as specified on load data or service application.
4. Leave other materials for GVEA crew to install.
5. Continuous rigid conduit from the pole to the building is preferred and recommended. RMC, HDPE, or PVC is required for underground road crossings. GVEA recommends the use of RMC or HDPE for road crossings, but PVC is allowed for 300A services and below.
6. Refer to service entrance electrical equipment recommendations for additional information.
7. If installing a conduit sweep, maintain 6 inches minimum clearance between conduit and pole.
8. Do not backfill the trench within three feet of GVEA pole.
9. The information in this guide provides general guidelines for the installation of service equipment to meet the requirements of GVEA. It is the owner's responsibility to make sure that the service is also installed to meet all applicable city, borough, and State of Alaska codes, as well as the National Electrical Code (NEC) and National Electrical Safety Code (NESC).
10. Conduit shall be stubbed out of ground 3' for inspection. Conduits which are not plumb will not be accepted.

