



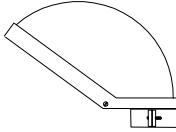
Secondary Underground Residential Service Type F Supplement

REVISED 07/2020

Golden Valley Electric Association, Inc.
758 Illinois Street
Fairbanks, AK 99701
New Construction Phone: (907) 458-5870

- ① GALVANIZED RIGID OR INTERMEDIATE METAL CONDUIT (IN 10'-0" LENGTHS).
Consult GVEA for number of 10'-0" lengths of conduit required. (Typically 2-4)

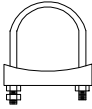
- ② WEATHERHEAD for conductor size to 250 KCM.
Qty. 1 or heat shrinkable breakout boot for conductor size 300 KCM and larger Qty. 1



- ③ CONDUIT COUPLER
Qty. 1 per piece of conduit



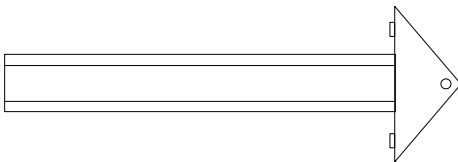
- ④ CONDUIT GROUND CLAMP
#4 sol.cu. to conduit Qty. 1



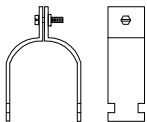
- ⑤ CONDUIT BUSHING if direct burial.



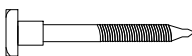
- ⑥ 1'-3" STANDOFF BRACKET
Qty. 1 per 10' length of conduit



- 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'-0" 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" minimum clearance between conduit and pole.
8. Do not backfill the trench within three feet of GVEA pole.
9. Conduit shall be stubbed out of ground 3'-0" for inspection if a rigid sweep is utilized. Only plumb conduit will be accepted.
10. 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).

NOTE: TRENCH MUST BE INSPECTED BY GVEA PRIOR TO BACKFILL.

