

## GENERAL NOTES:

- ALL EQUIPMENT AND WORK SHALL CONFORM WITH THE NATIONAL ELECTRICAL SAFETY CODE AND APPLICABLE UNDERWRITERS' AND GOVERNMENTAL BUILDING CODES. CERTAIN ITEMS ARE SUBJECT TO INSPECTION AND APPROVAL BY THE DUQUESNE LIGHT COMPANY.
- PRIOR TO REQUESTING SECTIONALIZING ENCLOSURE INSTALLATION, AN UNOBSTRUCTED ACCESS WAY CAPABLE OF HS20-44 (32,000 POUNDS PER AXLE) TRUCK LOADING SHALL BE PROVIDED AND PERMANENTLY MAINTAINED BY THE CUSTOMER.
- DUQUESNE LIGHT COMPANY IS TO HAVE THE RIGHT OF INGRESS AND EGRESS AT ALL TIMES. DLCO SHALL BE ABSOLVED FROM ALL PROPERTY DAMAGES DUE TO NON-NEGLIGENT INGRESS OR EGRESS OF DLCO PERSONNEL OR EQUIPMENT.

## DUQUESNE LIGHT CO. WORK:

- ① INSTALL TWO 5/8" X 9' COPPERWELD GROUND RODS 46" APART AND 6" BEHIND CUSTOMERS CONDUIT. INSTALL ONE 1/2" X 48" SOLID COPPER ROD (STK. #430740) ACROSS THE TOPS OF THE DRIVEN GROUND RODS AND CONNECT WITH A VERSITAP TYPE QPX CONNECTOR (STOCK #270532).
- ② INSTALL #3 SOFT DRAWN SOLID COPPER GROUND GRID CONTINUOUSLY AROUND ENCLOSURE (24" ALL AROUND) AND CONNECT TO EACH END OF 4/0 BUS ROD USING 4/0 SPLIT BOLT (STOCK #270596).
- ③ INSTALL AND CONNECT TWO #3 TINNED STRANDED COPPER WIRE GROUND STRAPS FROM BUSHING MOUNTING BAR TO 1/2" GROUND BUS USING 4/0 SPLIT BOLT AT BUSS (STOCK #270596) AND BOLT TO MOUNTING BAR LUG TYPE CONNECTION WITH SILICON BRONZE OR STAINLESS STEEL BOLTS.
- ④ INSTALL AND CONNECT #3 TINNED STRANDED COPPER WIRE CONNECTING STRAP BETWEEN BUSHING JUNCTION EQUIPMENT GROUND USING #3 SPLIT BOLT (STOCK #270592). THE GROUND EYE FROM THE DEAD END PLUGS SHOULD BE CONNECTED TO THIS STRAP USING THE SAME #3 SPLIT BOLT CONNECTORS. NOTE: IF THE MANUFACTURER HAS SEPARATE MOUNTING BARS (IE NORDIC) AN ADDITIONAL #3 TINNED STRANDED COPPER GROUND SHOULD BE CONNECTED FROM THE BØ BAR TO THIS STRAP.
- ⑤ CONNECT CUSTOMER'S CONDUIT GROUNDING COLLARS TO 1/2" BUS USING #3 SOFT DRAWN SOLID COPPER AND CONNECT TO BUS USING 4/0 SPLIT BOLT (STOCK #270596).

NOTE: CONNECT ALL CONCENTRIC NEUTRALS FROM ELBOWS SEPARATELY TO 4/0 SOLID COPPER BUS USING FARGO HOT LINE CLAMPS (STOCK #270376). THIS WILL FACILITATE THE SAFE REMOVAL/INSTALLATION OF ELBOWS WHEN ENCLOSURE IS ENERGIZED.