POWER MANHOLE
GROUNDING WITH NON-METALLIC RACKS

10'-0" x 3/4" DIA. COPPERWELD GROUND ROD WITH #4/0 RISER (TYP. FOR 4)

USE O.Z. GEDNEY KGM, BURNDY GMB, OR EQUIVALENT ANDERSON CLAMP. SECURE TO MANHOLE WALL WITH S.S. RAWL BOLTS. (TYP.) SECURE IN THREE LOCATIONS EACH WALL WITH NO DISTANCE EXCEEDING 3'-0".

SUPPORT RISERS A MINIMUM OF EVERY 24" (TYP.)

DUCT BANK

#4/0 AWG BARE COPPER GROUND CONDUCTOR

PROVIDE A #2 AWG CABLE TERMINATED TO MANHOLE COVER FRAME, LADDER SUPPORT BRACKET ANY METALLIC CABLE RACKS, & SHIELD OF ANY PRIMARY CABLE SPLICES

CONNECT TO GROUND CABLE FROM ALL DUCT RUNS.

#2 TO EXTENSION RING STEPS

#2 TO MANHOLE COVER FRAME

ALL CONNECTIONS TO BE MADE EITHER EXOTHERMICALLY OR WITH "BURNDY" HYGRODouro COMPRESSION GROUNDING CONNECTORS.

#4/0 RISER (TYP. FOR 4)

GROUND ROD WITH "DIA. COPPERWELD 4"

CONNECT TO GROUND MANHOLE RACKS.

POWER MANHOLE RACKS & EXTENSION RING STEPS

MINIMUM OF EVERY SUPPORT RISERS A

#4/0 AWG BARE COPPER CABLE: APPROX. 9" ABOVE FLOOR OF MANHOLE.

#4/0 AWG BARE COPPER GROUND CONDUCTOR

SIKA CORP., OR EQUAL) TO CHEMICAL GROUT ("SIKAFIX" BY WITH EXPANDING POLYURETHANE GROUT AROUND GROUND RODS

POWER MANHOLE COVER FRAME

#2 TO EXTENSION RING STEPS

24" (TYP.)

6"