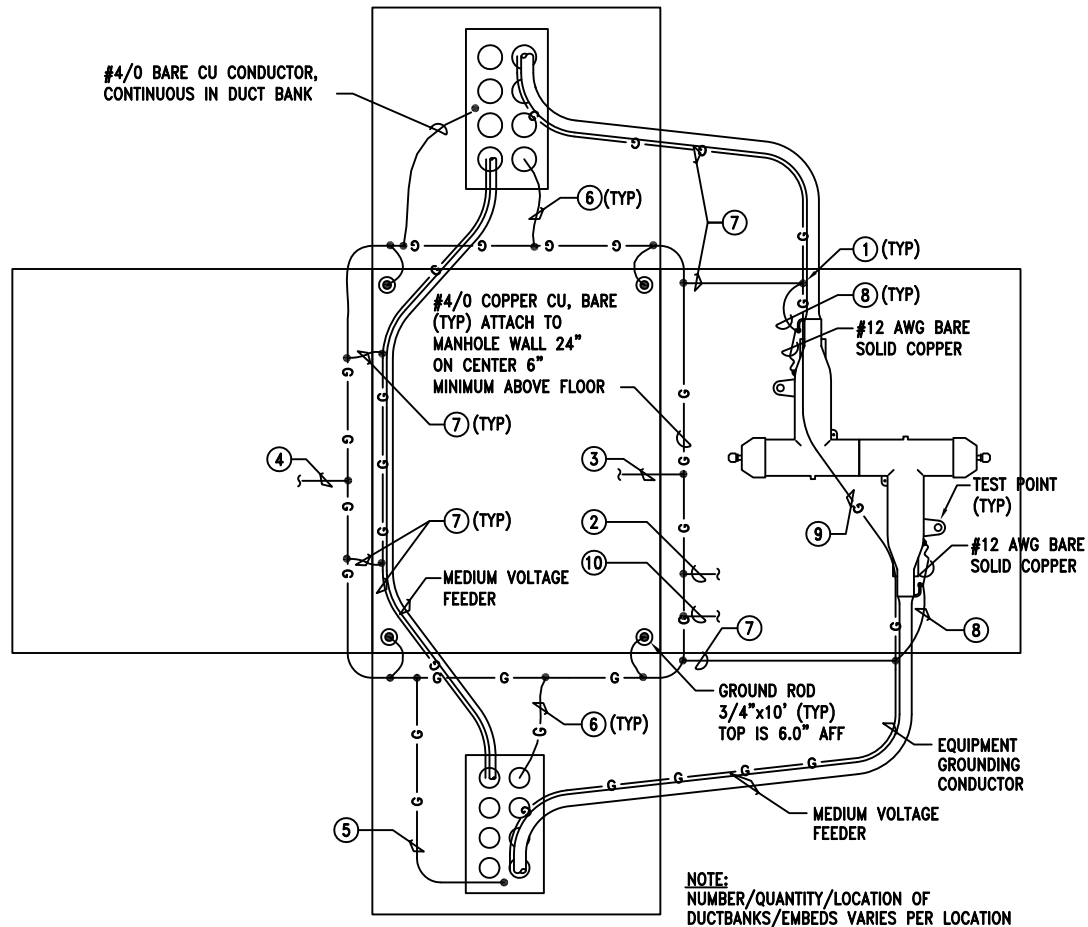


GENERAL NOTES:

1. ALL GROUND CONNECTIONS SHALL BE MADE USING COPPER ALLOY BURNDY HY-GROUND COMPRESSION CONNECTIONS OR APPROVED EQUAL ONLY. EXOTHERMIC AND SPLIT BOLT CONNECTIONS ARE NOT ALLOWED.
2. FASTEN ALL EXPOSED COPPER GROUND CONDUCTORS TO WALL USING NYLON STRAPS.
3. ALL HARDWARE SHALL BE 316 STAINLESS STEEL.

KEYED NOTES:

- ① WHERE GROUND CONDUCTOR ENDS ARE EXPOSED, WRAP WITH TAPE TO COVER SHARP POINTS ON CABLE.
- ② #2 STRANDED UP TO CAST IRON MANHOLE COVER RING.
- ③ #2 DOWN TO GRATING ON SUMP (USED BOLTED CONNECTION) IF METALLIC.
- ④ EXTEND #4/0 GROUNDS UP TO EQUIPMENT ABOVE AND BOND TO GROUND BUS.
- ⑤ PROVIDE #4/0 GROUND FROM DUCT BANK GROUND TO GROUND RING.
- ⑥ IF NO DUCT BANK GROUND IS PRESENT, INSTALL DUCT BANK GROUND IN EMPTY CONDUIT. BOND THE DUCT BANK GROUNDS TO THE MANHOLE GROUNDING ELECTRODE SYSTEM.
- ⑦ ROUTE EQUIPMENT GROUNDING CONDUCTOR WITH FEEDER CONDUCTORS. INSTALL TWO TAPS OF EQUAL SIZE TO THE EQUIPMENT GROUND CONDUCTOR FROM EQUIPMENT GROUND CONDUCTOR TO GROUNDING ELECTRODE SYSTEM, EACH NEAR THE ENTRY AND EXIT POINTS.
- ⑧ CONNECT #8 DRAIN WIRE TO EQUIPMENT GROUND CONDUCTOR AND BOND EQUIPMENT GROUND CONDUCTOR TO GROUNDING ELECTRODE SYSTEM FOR EACH CONNECTOR.
- ⑨ ROUTE EQUIPMENT GROUND CONDUCTOR BEHIND PHASE CONDUCTORS. TY-RAP TO RACK ARM BEHIND SPLICE.
- ⑩ #2 GROUND TO LADDER IF METALLIC.



DETAIL
VAULT GROUNDING PLAN
SCALE: NTS



DESIGNED BY JAS	DATE 6/25/03	DETAIL: STIA, F&I STANDARD DETAILS GROUNDING DETAILS VAULT GROUNDING		
DRAWN BY JAS	DATE 6/25/03			
CHECKED BY	DATE	REVISION:	DESCRIPTION:	STD: 260526
APPROVED BY	DATE	2	REVISED PER PEST COMMENTS	01