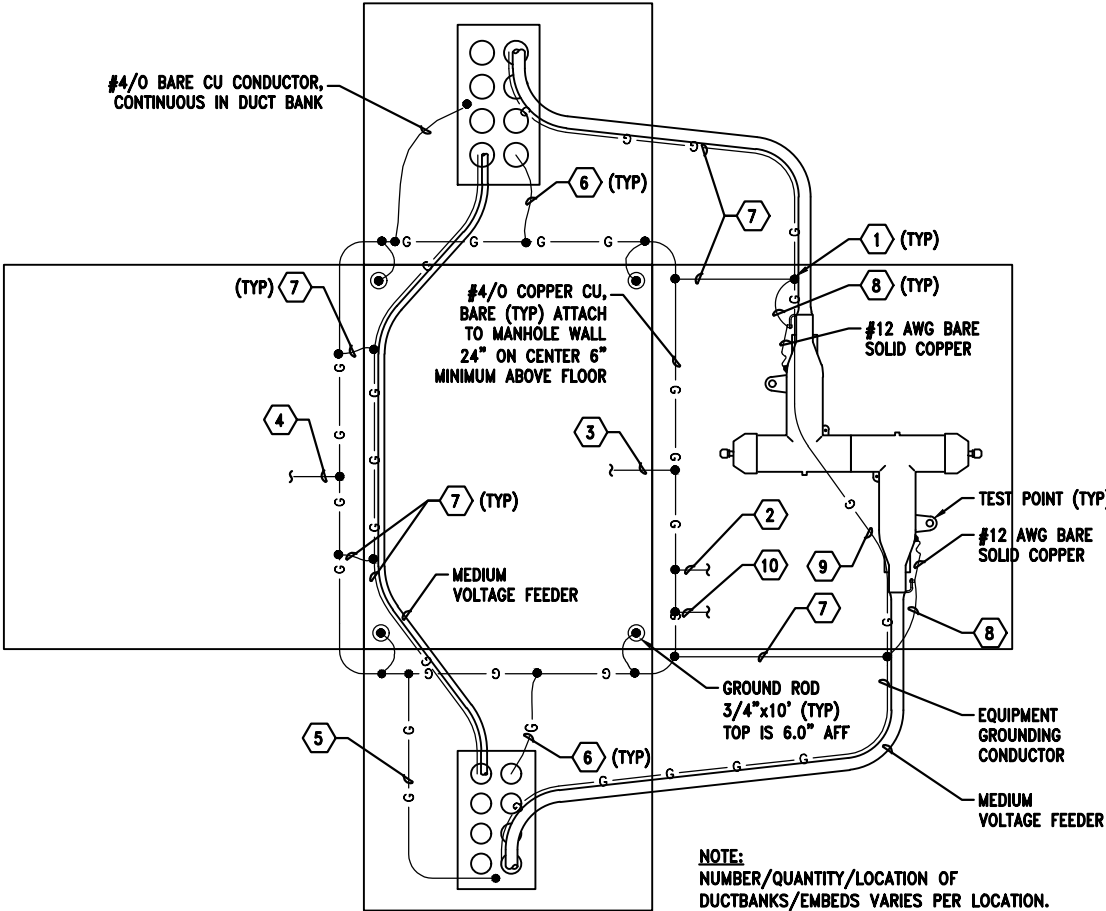


GENERAL NOTES:

- 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.

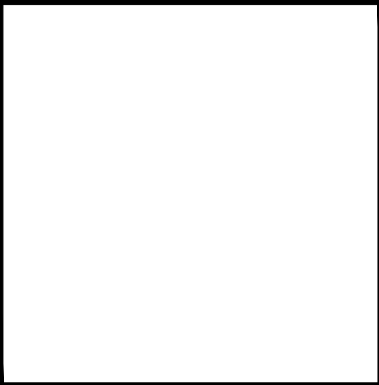


DETAIL

VAULT GROUNDING PLAN
SCALE: NTS



R E V I S I O N S			
NO.	DATE	BY	DESCRIPTION
1	03/01/2019	KDM	2019 F&I STANDARD DETAILS
2	03/01/2020	KDM	2020 F&I STANDARD DETAILS



PROJECT MANAGER:
—
PROJECT ENGINEER:
—
DESIGN ENGINEER:
—
DRAFTER:
—
SCALE:
AS NOTED
DATE:
—
CHECKED/APPROVED BY:
—

Port of Seattle

SEA-TAC INTERNATIONAL AIRPORT

PROJECT: F&I STANDARD DETAILS

SHEET TITLE: GROUNDING DETAILS
VAULT GROUNDING

WORK PROJECT NO.
CONSULTANT'S NO.
PORT OF SEATTLE NO.
260526 01