(A) PULLING-IN-IRONS SHALL BE INSTALLED IN VAULT CEILING ABOVE EACH CONDUIT ENTRANCE AND WELDED TO REBAR IN VAULT CEILING AS SHOWN. PULLING-IN-IRONS TO BE A.B. CHANCE CO. CATALOG NO. 8120 OR EQUIVALENT WITH A 20,000 LB. ULTIMATE TENSILE STRENGTH.

(B) JOSAM NO. 30503-5A COMBINED TRAP AND DRAIN OR EQUIVALENT TO CUSTOMER STORM DRAINAGE SYSTEM.

(C) 1/4" ALUMINUM TREAD PLATE (REMOVABLE) WITH NOTCH FOR LIFTING.

(D) 1/4" ALUMINUM TREAD PLATE (SECURED TO FRAME).

(E) 4" GALVANIZED ELBOWS WITH MINIMUM 30" RADIUS (TYP.).

(F) 4" CONDUIT GOING TO TRANSFORMER VAULT.

(G) CONDUIT GOING TO COMPANY SPECIFIED POINT (THE NUMBER OF CONDUITS AND THEIR SIZE TO BE SPECIFIED BY TEC).

(H) OWNER FURNISHED GROUND GRID CONSTRUCTED OF 1/2 INCH DIAMETER COPPER BONDED ROD(S) INSTALLED BELOW THE LOWEST FLOOR SLAB. EACH GROUND ROD SHALL BE MEGGERED TO 25 OHMS OR LESS. THE GROUND RODS IN THE GRID SHALL BE CONNECTED TOGETHER BY CONTINUOUS CONDUCTOR OF 4/0 AWG STRANDED COPPER. ALL CONNECTIONS SHALL BE BONDED TOGETHER THROUGH AN EXOTHERMIC PROCESS. THIS GROUND SYSTEM SHALL BE INSTALLED PRIOR TO POURING THE FLOOR, WITH A SIX FOOT 4/0 PIGTAIL PROVIDED THROUGH THE FLOOR SURFACE FOR CONNECTION TO TEC EQUIPMENT. COMPLETED GRID SHALL MEGGER TO 5 OHMS OR LESS.

(I) INSULATED GROUNDING BUSHING (TYP.) TO BE USED ON 2" OR GREATER GALVANIZED ELBOWS.

(J) VAULT DESIGN TO MEET ALL THE REQUIREMENTS OF THE GOVERNING FIRE MARSHAL AND THE NATIONAL ELECTRICAL CODE, LATEST REVISIONS.

(K) ONE 2" GALVANIZED ELBOW CONNECTING TO 2" PVC CONDUIT (FOR INDICATION) FROM JUNCTION BOX INSIDE SWITCHGEAR VAULT TO THE SOURCE SIDE OF THE SWITCHGEAR PIT-PVC NOT ACCEPTABLE ON EXPOSED INSTALLATIONS.

NOTES:

1. ALL CONDUITS AND PENETRATIONS ENTERING OR LEAVING VAULT AREA TO BE SEALED BY OWNER WITH GOVERNING FIRE MARSHAL APPROVED FIRE SEALS.
2. ALL ELBOWS TO BE RIGID GALVANIZED (IF 2" OR GREATER) AND RISING UP 6" ABOVE PIT GRADE.
3. ALL 2" GALVANIZED CONDUITS TO BE BONDED WITH #4 BARE COPPER WIRE.

MINIMUM REQUIREMENTS ONLY

CONTRACTUAL AGREEMENTS AND EASEMENTS OUTLINING THE RESPONSIBILITIES OF TAMPA ELECTRIC COMPANY AND THE OWNER WILL ALWAYS BE REQUIRED. IN NO WAY SHALL THIS REQUIREMENT BE CONSTRUED AS AN APPROVED VAULT CONSTRUCTION DESIGN REQUIREMENT UNLESS PRESENTED IN THE FORM OF A CONTRACTUAL AGREEMENT BETWEEN TAMPA ELECTRIC COMPANY AND THE OWNER. TAMPA ELECTRIC COMPANY ASSUMES NO LIABILITY FOR STRUCTUAL DESIGN SPECIFICATIONS OF ANY VAULT.

NO.	CK'D	DATE	REVISION
5	SJH	7-30-14	REVISED NOTES 2, E & I
4	SJH	5-19-11	REVISED NOTES 2, 3, E, I & K
3	SJH	5-17-07	REVISED TITLE BLOCK
2	MFK	8-21-03	SPLIT SPEC'S.,

DENOTES LATEST REVISION

MGR: STD'S
APPR. DATE 7-30-14
SUPERSEDES 13-23/5-19-11

TYPICAL PIT AND CONDUIT DETAIL FOR 600 AMP MANUAL AND AUTO-THROWOVER PAD-MOUNTED SWITCHING EQUIPMENT VAULT

TAMPA ELECTRIC CO. | STANDARDS | GENERAL RULES & SPECIFICATIONS UG.