


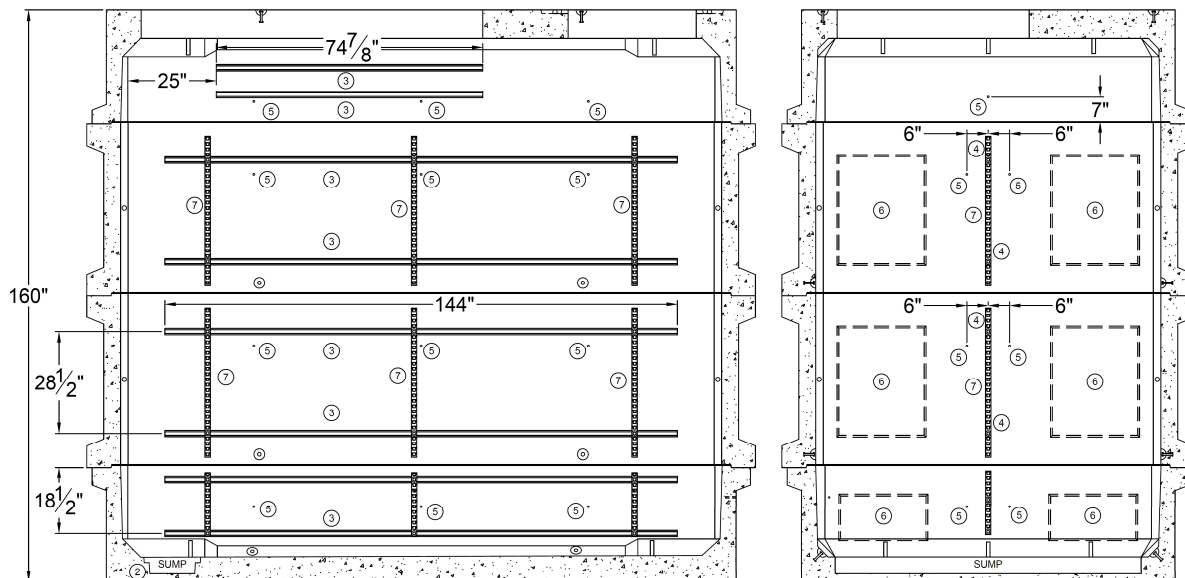
Designers: Maximum conductor information is given in CAB09U, Volume 5.

STK#	DESCRIPTION
24-0002	LID B
24-1215	5" LID B -1
24-0742	3" GRADE RING
24-0744	6" GRADE RING
24-0746	12" GRADE RING
24-0739	12" RISER
24-1062	814 VAULT

				Volume 17: Electric Service Requirements		VB0090U
				814 Vault Concrete Primary 8' X 14' X 12' I.D.		
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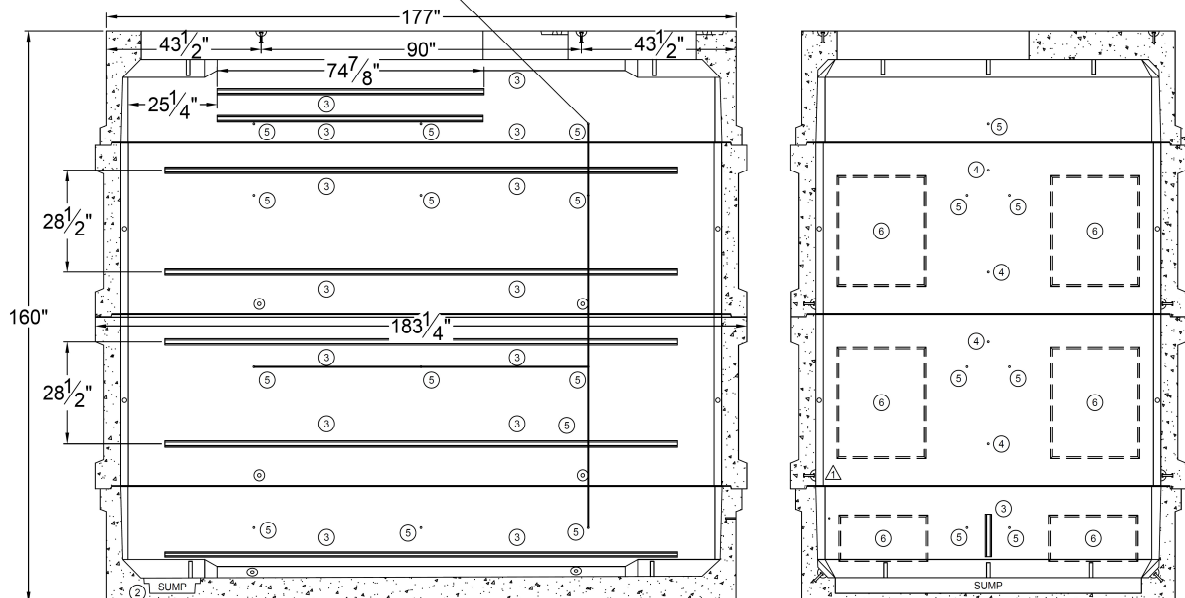
814 VAULT
EXPANDED VIEW DRAWING




INSIDE EXPANDED SIDE & END WALL
RACK APPLICATIONS WITH ARMS

GROUND GRID 2/0 COPPER TIED TO
ALL VAULT SECTIONS AND LOOPED
AROUND VAULT

EQUIPMENT INSTALLATION GROUNDING GRID:
INSTALL 54' OF 2/0 COPPER GROUND GRID. TIE TO ALL
SECTIONS AND LOOP THROUGH 12 GROUNDING LUGS
ATTACHED TO 1/2" GROUNDING INSERTS AROUND VAULT
AND BUS TO TRANSFORMER, SWITCH, CONCENTRIC
NEUTRAL, J-BAR OR BRACKET.




INSIDE EXPANDED SIDE & END WALL
GROUNDING APPLICATIONS AND INSERTS

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MATERIAL LIST SUPPLIED BY VAULT MANUFACTURER			
INSIDE VAULT HEIGHT		8'	12'
DESCRIPTION		QTY	QTY
1	Pulling iron 2 per corner	8	8
2	12" x 84" sump w/grate 2 sections	1	1
3	6' 2-1/2" unistrut top section side walls	4	4
	12' long unistrut other sections side walls	8	12
	12' long unistrut bottom end section	2	2
4	1/2" racking insert	8	12
5	1/2" grounding insert, 28/40 inside 6/8 outside	34	48
6	12" x 24" knockout	4	4
	24" x 30" knockout	4	8
7	12-hole rack (17 3/4" long) base	8	8
	28-hole rack (41 3/4" long) extension	8	16
9	Spring nut	28	40
10	1/2 x 1 1/2" bolt	37	49
11	1/2" washer	36	48
12	1/2" brass ground washer, 1 top outside	1	1
13	15" Cable steps	16	16
14	Ladder up	1	1
15	Ladder	1	1

814 VAULT CONSTRUCTION NOTES:

- Vault to be used for H-20 traffic design loading. All live loads shall be for HS-20-44 (MS-18) as per AASHTO Standard Specification. Note: A minimum of 12 inches of vault cover is required.
- Vault excavation and backfill to conform to NVE Specification SUB01X.
- Butyl rubber or neoprene gasket seal required between vault sections and/or extensions.
- Extensions and risers will be installed on all vaults.
- Uni-strut and 1/2" inserts will be cast into vault. (See Details A/B).
- Lids to be marked "NVE ELECTRIC".
- All weights to be clearly marked.
- Grounding: See expanded view for grounding applications and inserts.
- 2/0 CU (# 17-0910) grounding grid is required in this vault.
- Ladder and ladder-up required, See NVE Construction Standard VB0105U.
- Middle section is optional.
- Delivery of this vault requires coordination with Jensen Precast.
- A 12" width by 8" diameter concrete collar to be poured around all manholes.
- See VB0105U for further details on lid B-1.
- Equipment access cover supplied with vault.
- Lid is not centered coordinated positioning with NVE inspector.

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