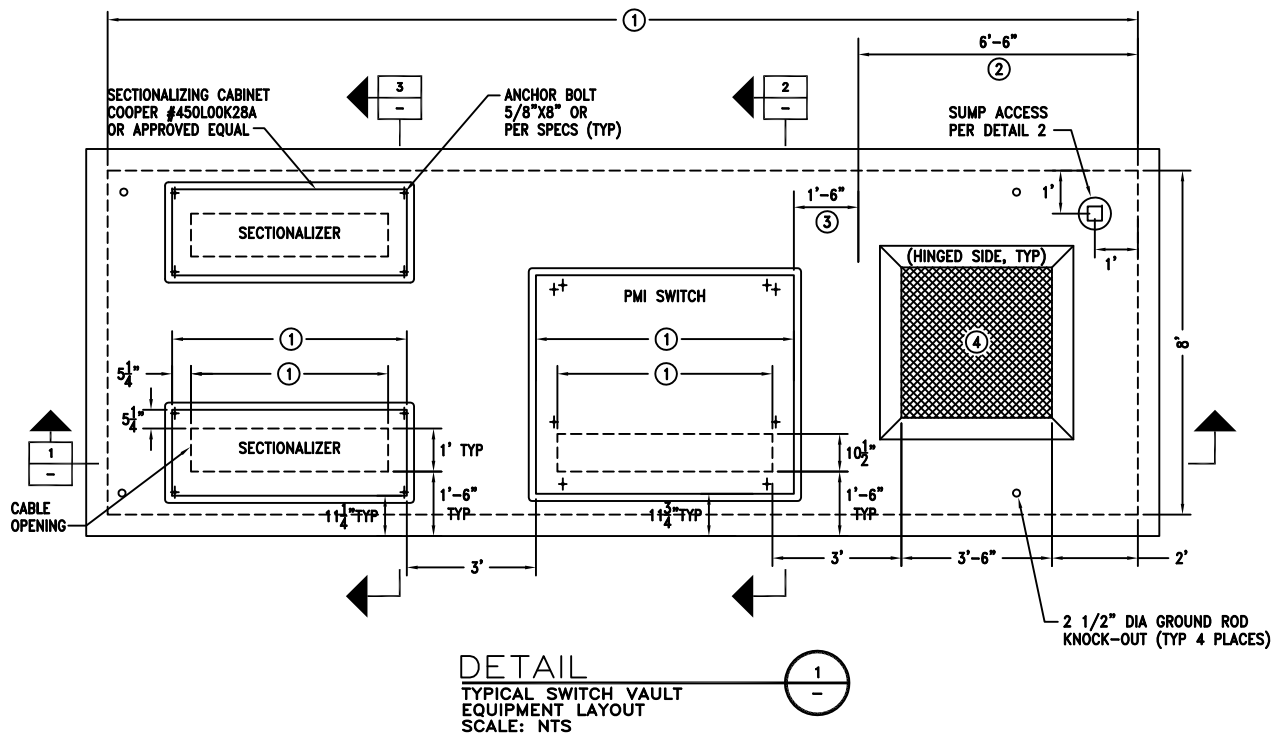


DETAIL
TYPICAL SWITCH VAULT
EQUIPMENT LAYOUT
SCALE: NTS

1 –

GENERAL NOTES:

1. IN GRASSY OR BARKED AREAS, VAULT LID TOP SHOULD BE 6" ABOVE GRADE. IN GRAVEL AREAS, VAULT LID TOP SHOULD BE 1" TO 2" ABOVE GRADE, WITH A TAPER DOWN TOWARDS THE SURROUNDING SURFACE.
2. VAULT LID SHALL BE NO MORE THAN 1'–6" AFG IN FRONT OF EQUIP.
3. THERE SHALL BE A MINIMUM OF 6' CLEARANCE IN FRONT OF SWITCHES AND SECTIONALIZERS.
4. ALL DUCTBANKS SHALL ENTER AT THE EDGES OF A WALL AND ON THE SHORT WALL WHEN POSSIBLE.

KEYED NOTES:

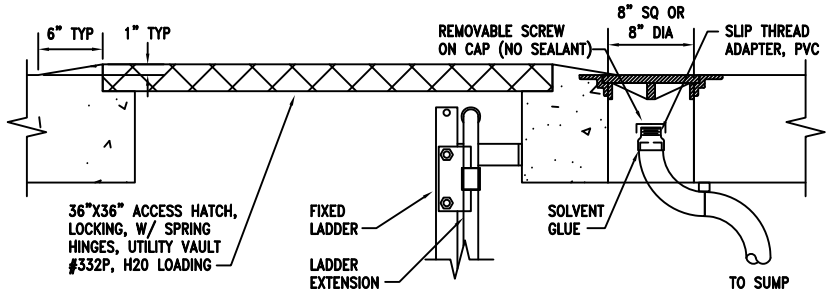
(1) REFER TO THE FOLLOWING TABLE FOR EQUIPMENT USED

	Mfgr	Part #	EQUIP. LENGTH	OPENING LENGTH
SECTIONALIZERS				
2 POINT	Cooper	450L00K28A	5'–6"	4'–6"
3 POINT	Cooper	450L00K28A	5'–6"	4'–6"
4 POINT	Cooper	450L00K30A	6'–6"	5'–6"
PMI SWITCHES				
3–WAY	S & C	330	6'–0"	4'–0"
4–WAY	S & C	422	6'–0"	5'–0"
5–WAY	S & C	523	8'–6"	6'–7"
6–WAY	S & C	624	8'–6"	7'–10"

(2) BASE VAULT LENGTH = 6'–6"

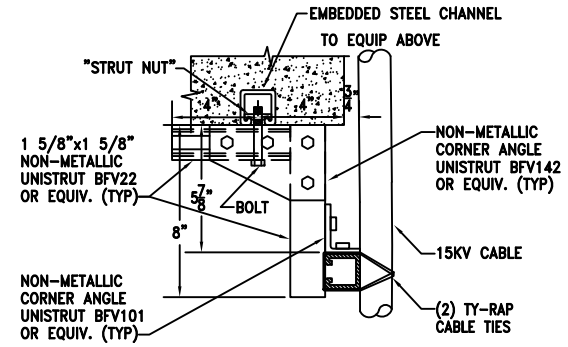
(3) ADD 1'–6" ON EITHER SIDE OF EQUIPMENT TO BASE VAULT LENGTH

(4) ENGRAVE SWITCH VAULT NUMBER IN HATCH USING 5" MIN CHARACTERS



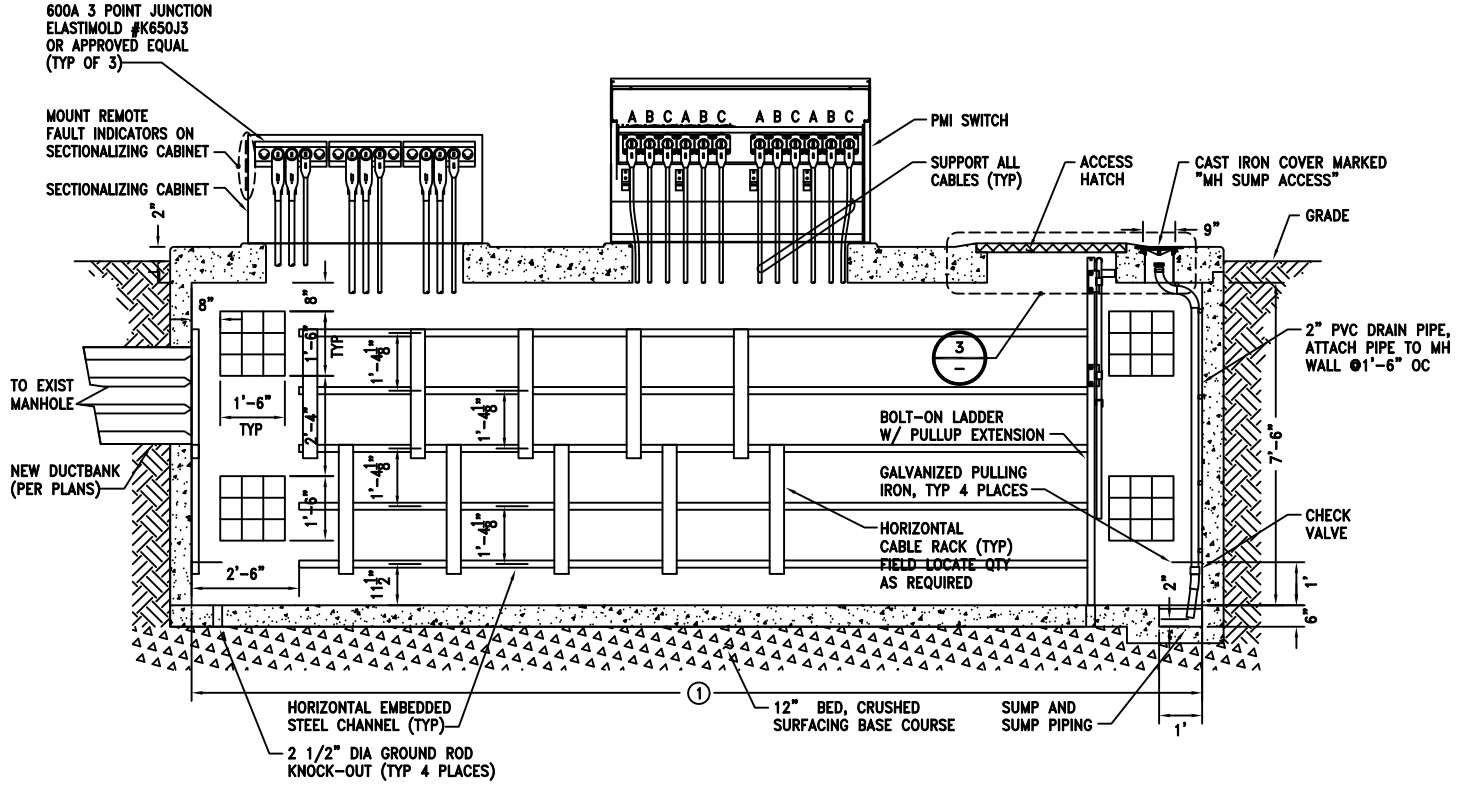
DETAIL
DETAIL SHOWING VAULT LID
AND SUMP ACCESS
SCALE: NTS

2 –



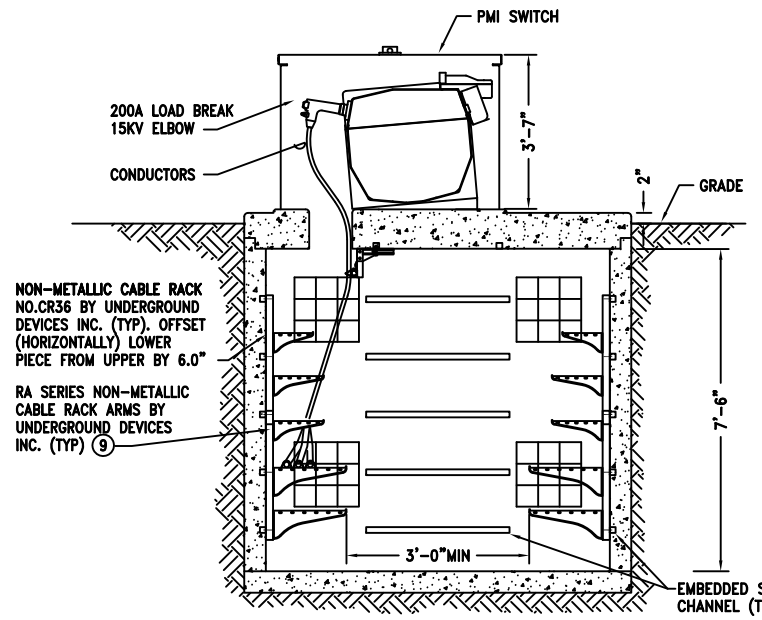
DETAIL
CABLE SUPPORT DETAIL
SCALE: NTS

3 –



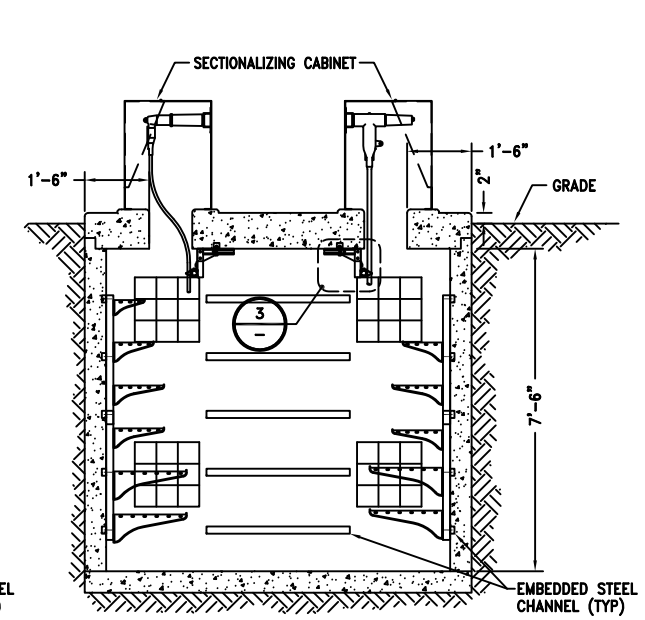
SECTION
SWITCH VAULT SECTION
SCALE: NTS

1 –



SECTION
15KV PMI SWITCH SHOWING
200A LB ELBOW TERMINATION
SCALE: NTS

2 –



SECTION
SECTIONALIZING CABINET SHOWING
200A LB & 600A DB TERMINATIONS
SCALE: NTS

3 –

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PROJECT ENGR./ARCH:	
DESIGNER:	JAS
DRAWN BY:	JAS
SCALE:	AS NOTED
DATE:	DECEMBER 4, 2002
CHECKED BY:	
APPROVED BY:	

REVISIONS

NO.	DATE	BY	DESCRIPTION	APP'D	NO.	DATE	BY	DESCRIPTION	APP'D

PROGRAM MANAGER:	
DESIGN ENGINEER:	
DRAWN BY:	
SCALE:	
DATE:	
CHECKED BY:	
APPROVED BY:	

Port of Seattle
SEA-TAC INTERNATIONAL AIRPORT

PROJECT: *ELECTRICAL INFRASTRUCTURE PROJECT TITLE

SHEET TITLE: SWITCH VAULT DETAILS

WORK ORDER NO.	*
CONSULTANT'S NO.	261349.01
PORT OF SEATTLE NO.	STIA–XXXX–E002

% REVIEW SET SUBMITTAL

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