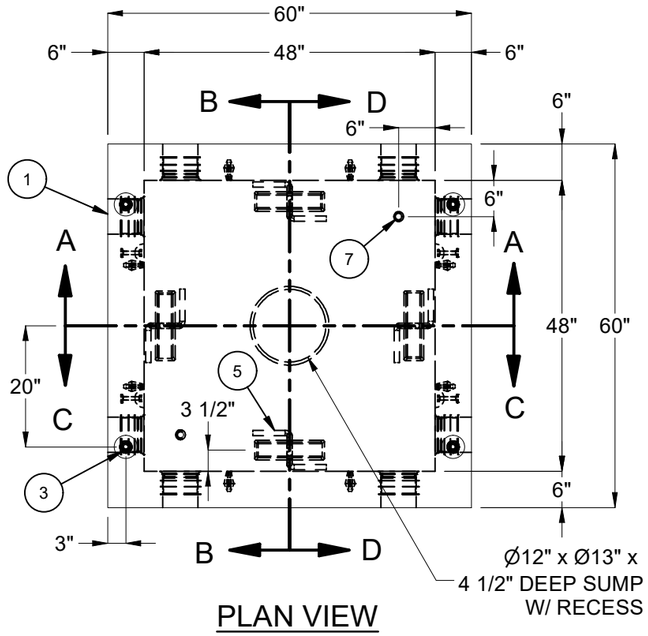
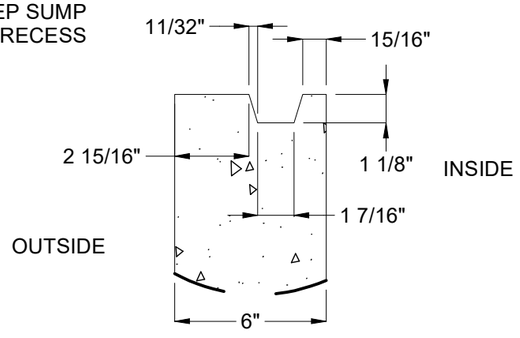
NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 6000 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS #33829.
■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.

BILL OF MATERIALS

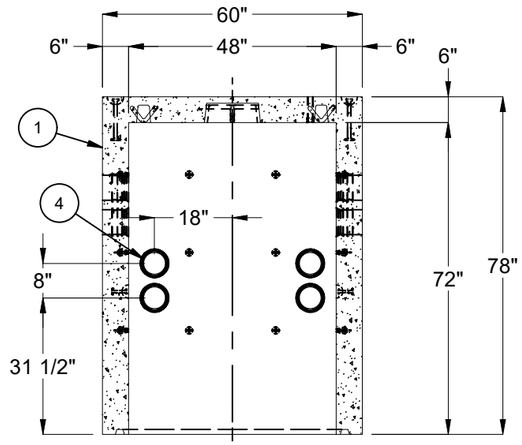
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	64.096 ft^3	64.096 ft^3	100006029	CONCRETE 6000 PSI SCC ED
2	1	4	100002867	ANCHOR DOGBONE P52 2T X 3-3/8" GALV
3	1	4	100002877	ANCHOR DOGBONE P52 4T X 9-1/2" GALV
4	1	16	100005936	TERMINATOR DUCT WITH SEAL 5IN T5001
5	1	4	100005912	PULL IRON OFFSET .875DIA 3.375 IH X 12.125L X 6.5W GALV
6	1	24	100012720	INSERT PLASTIC W/ BREAK OFF SNAP 0.5IN
7	1	2	100005715	PIPE SCH 40 1IN PVC W/CAP 6"L
8	1	1	100018244	REINFORCING MAT 100018244



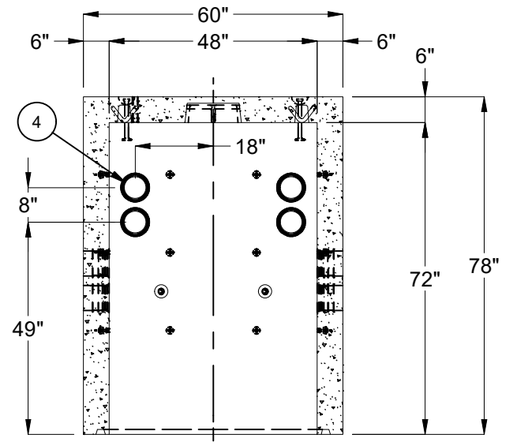
PLAN VIEW



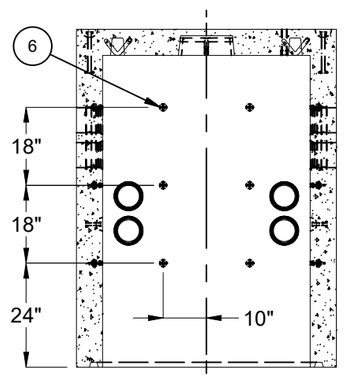
KEY DETAIL



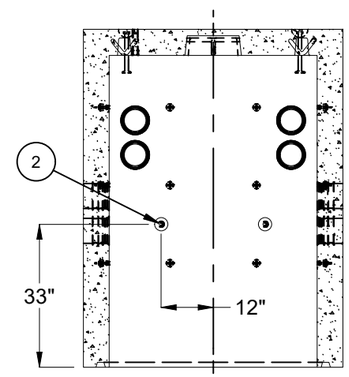
SECTION A-A



SECTION B-B



SECTION C-C

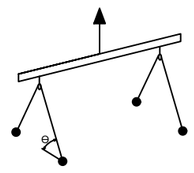


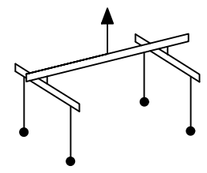
SECTION D-D

LIFTING NOTES
■ INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 5500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 LIFTING POINTS AT A MINIMUM 60° SLING ANGLE, MEASURED FROM HORIZONTAL.
■ DEMOLDING: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 LIFTING POINTS AT A MINIMUM 90° SLING ANGLE, MEASURED FROM HORIZONTAL.
*All rigging shall be design by a qualified professional. Loading diagrams show illustrations of possible rigging setups to achieve the required sling angle and load leg equalization. Other valid rigging configurations are possible. A qualified professional must be consulted prior to lifting.

RIGGING DIAGRAMS*

INSTALLATION	C	DEMOLDING	E





BURY DEPTH:	0.7' - 4.7' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	9650.88 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Dogbone

Infrastructure
JENSEN
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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
B-1	UPDATED DESIGN NOTES	9/4/2025	

DESCRIPTION:	Vault 4848x72 Rect. Bottom Section Terminators Sump Edison Fiber Optic CASTING LAYOUT		REV: B-1
PART NUMBER:	100012812	DRAWN BY:	D. Mejia
CREATED:	10/14/2020	MODIFIED:	9/4/2025
			SHEET: 1 OF 1

100012812.idw