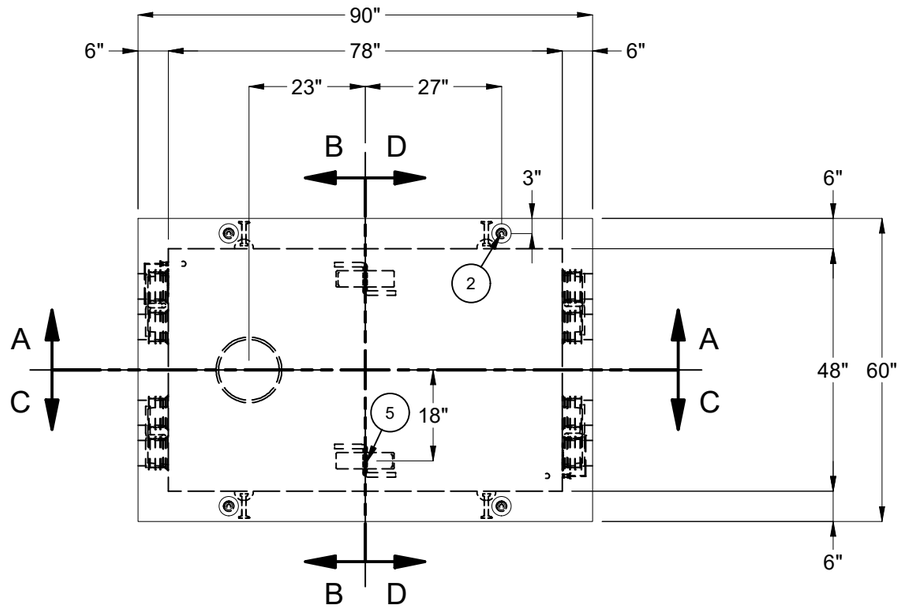
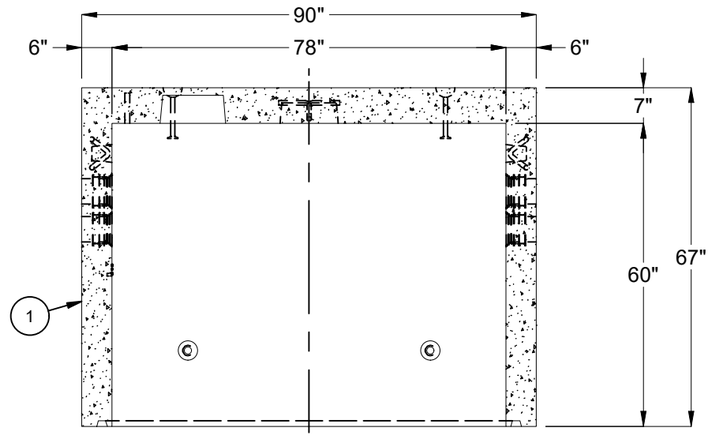
DESIGN NOTES
■ DESIGNED PER CALCS. #34229
■ ALL PARTS TO BE STENCILED: MFG DATE / PRODUCT ID / WEIGHT.

BILL OF MATERIALS

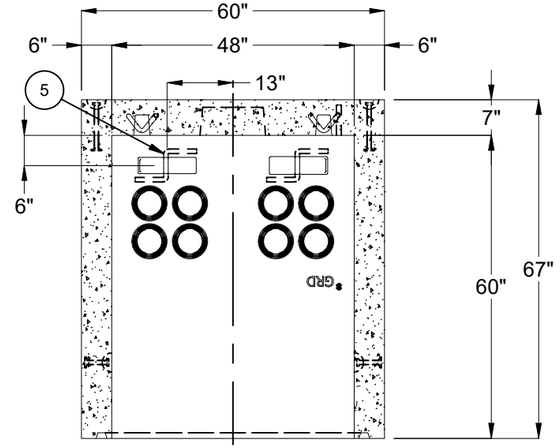
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	76.952 ft^3	76.952 ft^3	100024079	CONCRETE #19 SCC
2	1	4	100002877	ANCHOR DOGBONE P52 4T X 9-1/2" GALV
3	1	4	100002874	ANCHOR DOGBONE P52 4T X 4-3/4" GALV
4	1	16	100005936	TERMINATOR DUCT WITH SEAL 5IN T5001
5	1	6	100005912	PULL IRON OFFSET .875DIA 3.375 IH X 12.125L X 6.5W GALV
6	1	2	100005932	INSERT GROUND BRONZE BOTTLE ROCKET 1/2-13 UNC WITH 11IN COPPER ROD 12H69
7	1	2	100044184	GROUND CLAMP W/4SS BOLTS RBC-04SS KBR
8	1	1	300123883	REINFORCING MAT 300123883



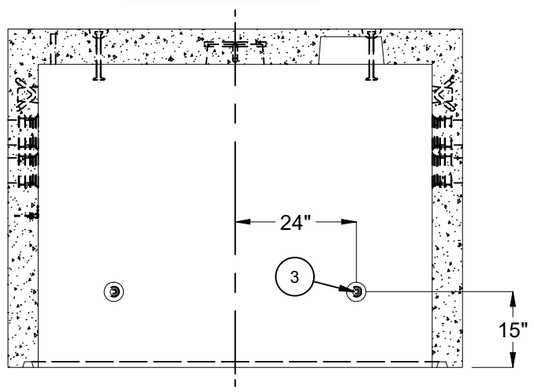
PLAN VIEW



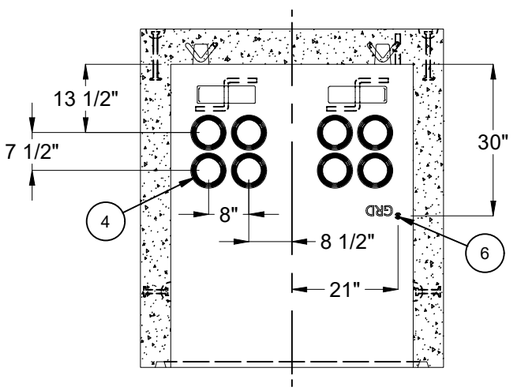
SECTION A-A



SECTION B-B



SECTION C-C

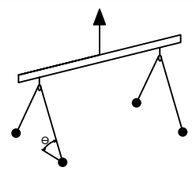


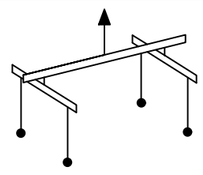
SECTION D-D

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:	0.0' - 3.0' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	11584.71 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Dogbone

Infrastructure
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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
C	ADDED GROUND CLAMPS	6/12/2025	

DESCRIPTION:	Vault 4878x60 Rect. Bottom Section Terminators Sump CASTING LAYOUT		REV: C-1
PART NUMBER:	200035746	DRAWN BY:	C. Aguillon
CREATED:	2/7/2020	MODIFIED:	6/12/2025
			SHEET: 1 OF 1

200035746.idw