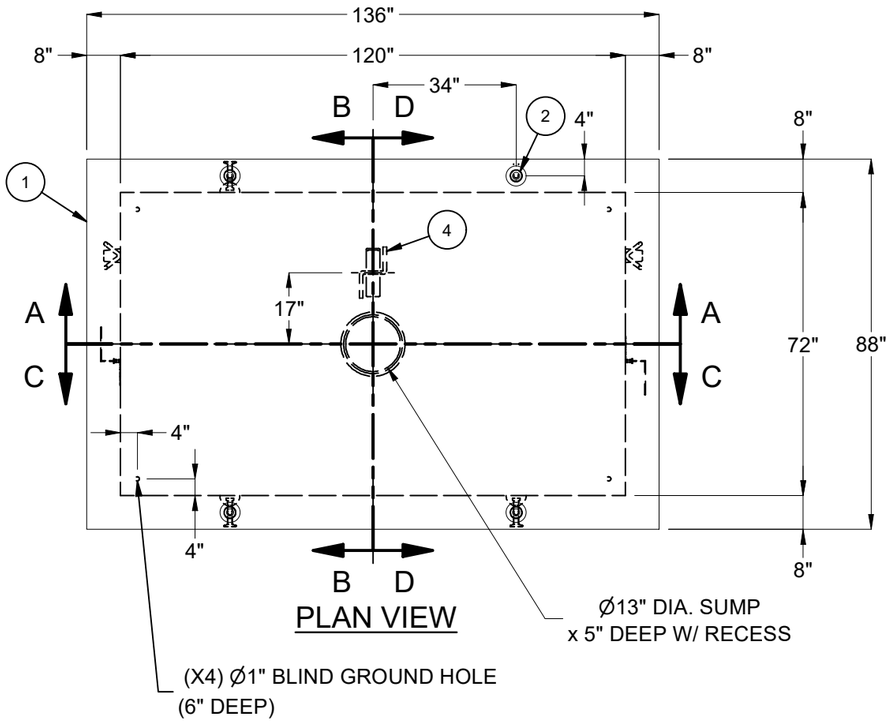
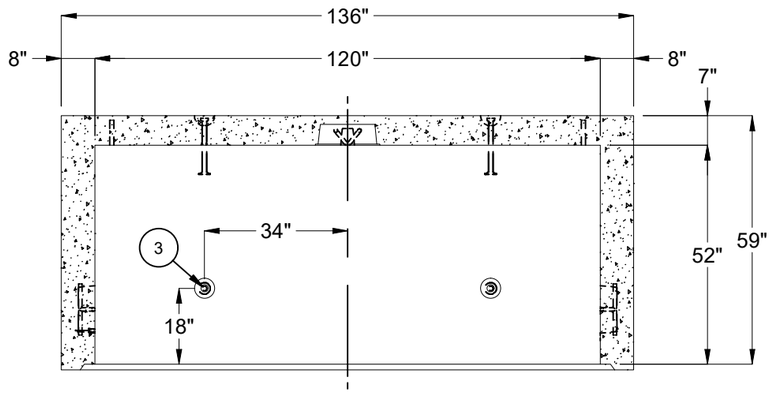
DESIGN NOTES
■ DESIGNED PER CALCS. #34902
■ ALL PARTS TO BE STENCILED: MFG DATE / PRODUCT ID / WEIGHT.
■ "GRD" STENCILED IN RED LETTERS (1 1/2" MIN. - 2" MAX.)

BILL OF MATERIALS

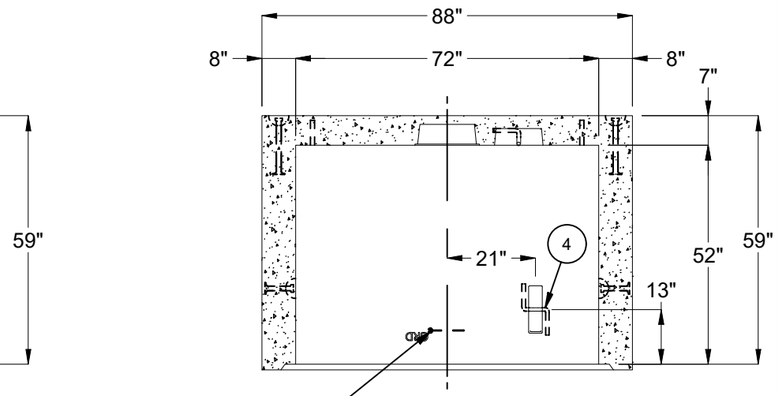
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	149.506 ft^3	149.506 ft^3	100024079	CONCRETE #19 SCC
2	1	4	100002882	ANCHOR DOGBONE P52 8T X 13-3/8" GALV
3	1	4	100002880	ANCHOR DOGBONE P52 8T X 6-3/4" GALV
4	1	3	100005912	PULL IRON OFFSET .875DIA 3.375 IH X 12.125L X 6.5W GALV
5	1	2	100005932	INSERT GROUND BRONZE BOTTLE ROCKET 1/2-13 UNC WITH 11IN COPPER ROD 12H69
6	1	2	100044184	GROUND CLAMP W/4SS BOLTS RBC-04SS KBR
7	1	1	300152861	REINFORCING MAT 300152861



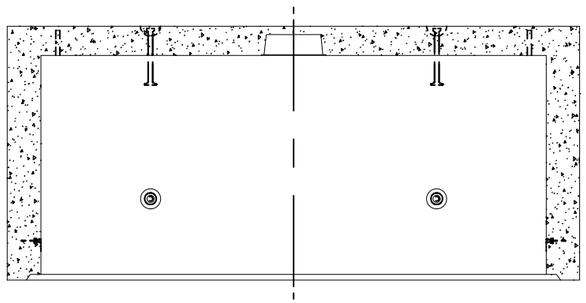
PLAN VIEW



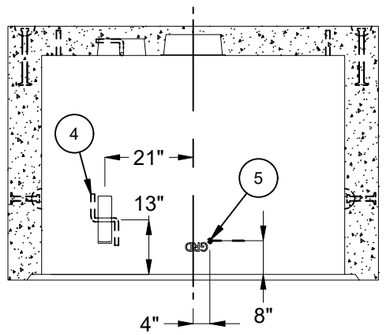
SECTION A-A



SECTION B-B

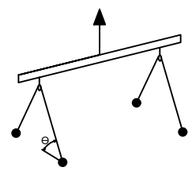
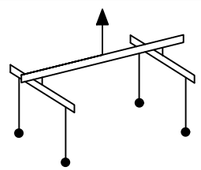


SECTION C-C



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:	7.3' - 9.8' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	22498.51 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
B-1	UPDATED DRAWING	5/20/2025	

DESCRIPTION: Vault 72120x52 Rect. Bottom Section Sump Pasadena V-223.2 CASTING LAYOUT			REV: B-1
PART NUMBER:	200073607	DRAWN BY:	J. Prado
CREATED:	6/26/2019	MODIFIED:	5/20/2025
			SHEET: 1 OF 1

200073607.idw