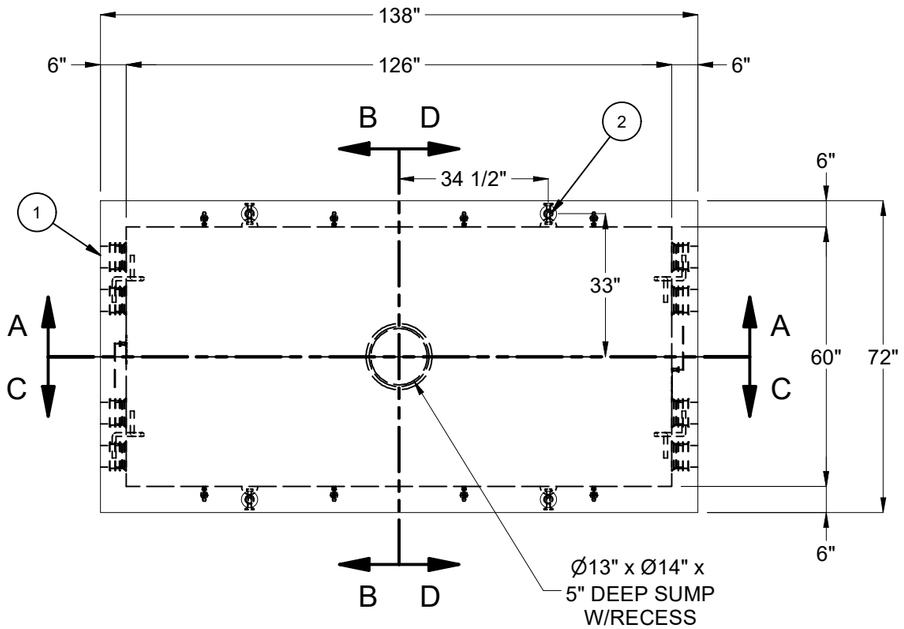
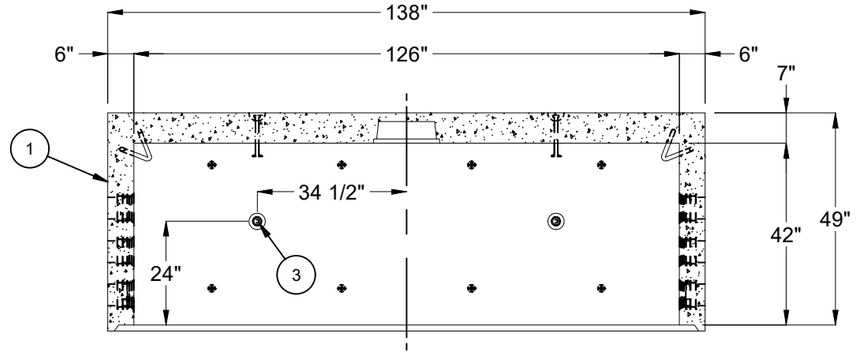
NOTES
■ DESIGNED PER CALCS. #31649.
■ CONCRETE MIX USED IN POURING THIS PRODUCT SHALL USE FLY ASH AS AN ADMIXTURE.
■ ALL PARTS TO BE STENCILED: MFG DATE / PRODUCT ID / WEIGHT.
■ 1/2" THREADED BRASS BONDING INSERT "CLAMPED TO STEEL REBAR" "GRD" SHOULD BE STENCILED IN RED LETTERS (1 1/2" MIN. - 2" MAX.)

BILL OF MATERIALS

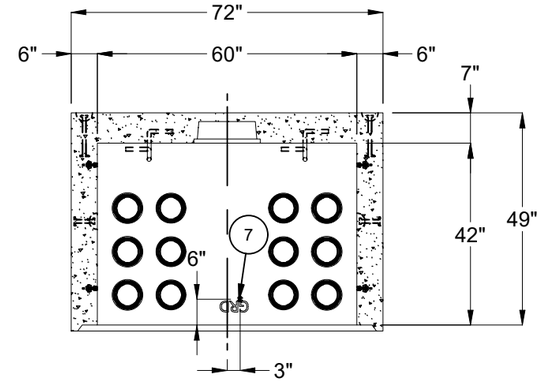
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	96.379 ft^3	96.379 ft^3	100006029	CONCRETE 5500 PSI SCC ED
2	1	4	100002877	ANCHOR DOGBONE P52 4T X 9-1/2" GALV
3	1	4	100002874	ANCHOR DOGBONE P52 4T X 4-3/4" GALV
4	1	24	100005936	TERMINATOR DUCT WITH SEAL 5IN T5001
5	1	16	100012720	INSERT PLASTIC W/ BREAK OFF SNAP 0.5IN
6	1	4	100003026	PULL IRON OFFSET .875DIA 6H X 5W X 10.875L GALV
7	1	2	100005932	INSERT GROUND BRONZE BOTTLE ROCKET 1/2-13 UNC WITH 11IN COPPER ROD 12H69
8	1	1	100018070	REINFORCING MAT 100018070
9	1	2	100044184	GROUND CLAMP W/4SS BOLTS RBC-04SS KBR



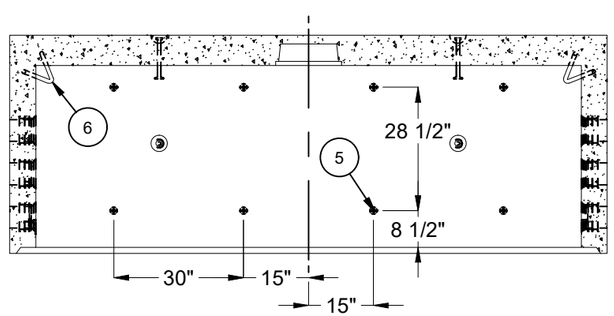
PLAN VIEW



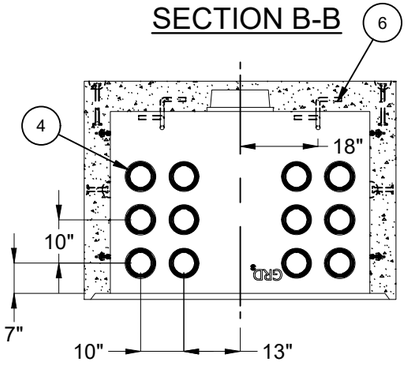
SECTION A-A



SECTION B-B

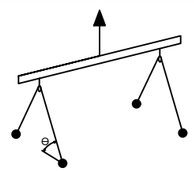
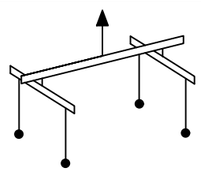


SECTION C-C



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:	5.6' - 8.1' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	14508.67 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Dogbone

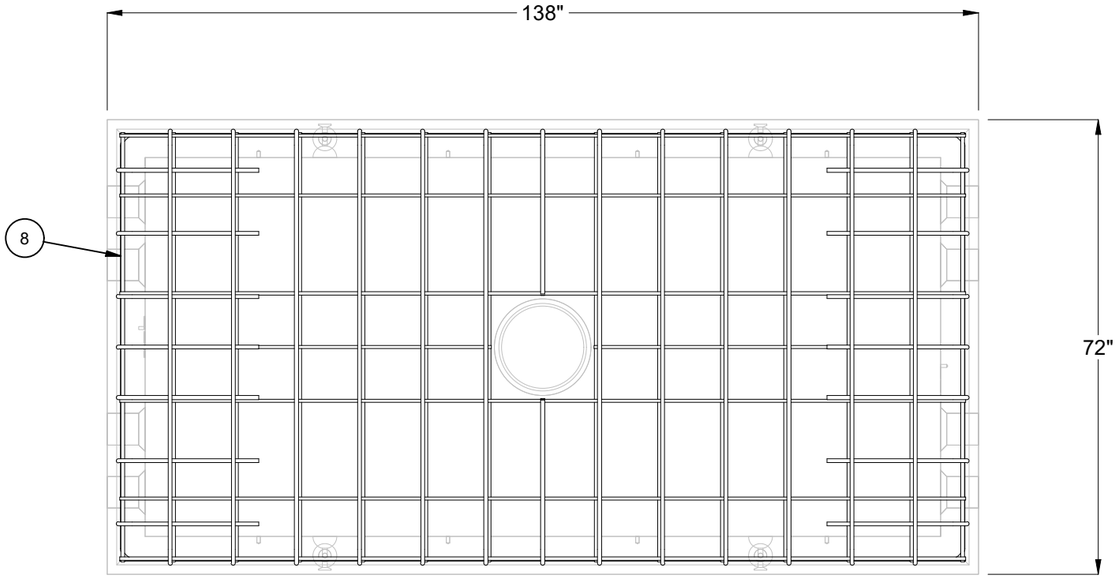
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REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
D-1	UPDATED BOM	5/19/2025	

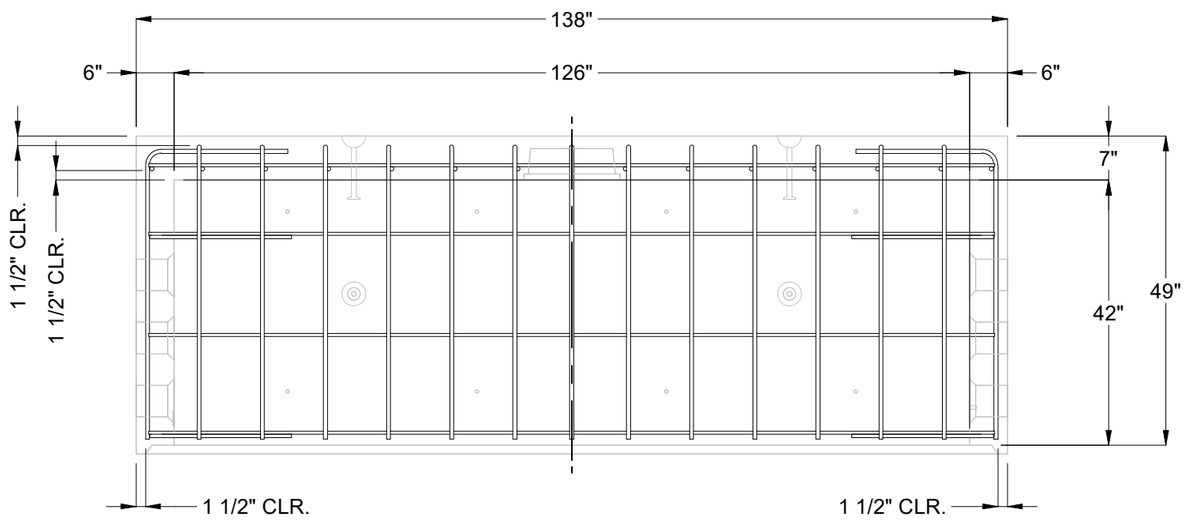
DESCRIPTION:	Vault 60126x42 Rect. Bottom Section Terminators Sump Edison UGS SS590 CASTING LAYOUT		REV: D-1
PART NUMBER:	200019213	DRAWN BY:	S. Rodarte
CREATED:	4/9/2019	MODIFIED:	5/19/2025
			SHEET: 1 OF 2

200019213.idw

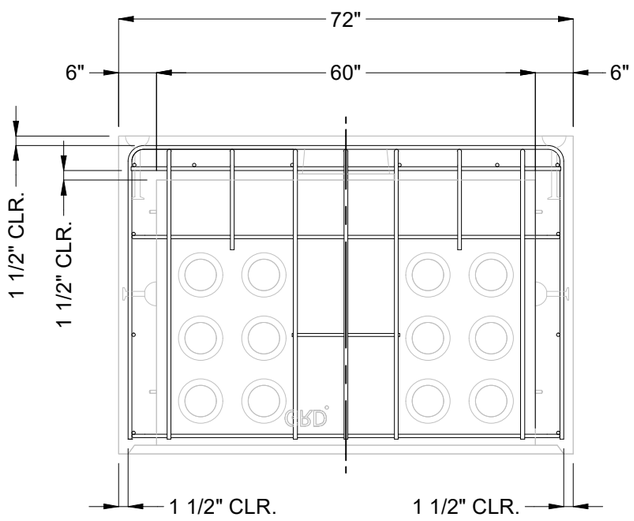


PLAN VIEW

REINFORCING REVIEW NOTES
■ THE MINIMUM COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWS:
(A) 1 1/2" FOR INSIDE & OUTSIDE FACE OF WALLS.
(B) 1 1/2" FOR INSIDE & OUTSIDE FACE OF ROOF SLABS.
(C) 3/4" FOR SHEAR KEYS.
(D) UNLESS OTHERWISE SHOWN.
TOLERANCES:
1. DIMENSIONS AFFECTING COVERAGE ...± 1/4"-0"
2. DIMENSIONS IN PLANE OF CAGE AND NOT AFFECTING ABOVE ...± 1".



SIDE ELEVATION



END ELEVATION

BURY DEPTH:	5.6' - 8.1' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	14508.67 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Dogbone

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DESCRIPTION:	Vault 60126x42 Rect. Bottom Section Terminators Sump Edison UGS SS590 REINFORCEMENT REVIEW		REV: D-1
PART NUMBER:	200019213	DRAWN BY:	S. Rodarte
CREATED:	4/9/2019	MODIFIED:	5/19/2025
			SHEET: 2 OF 2

200019213.idw