DESIGN NOTES:

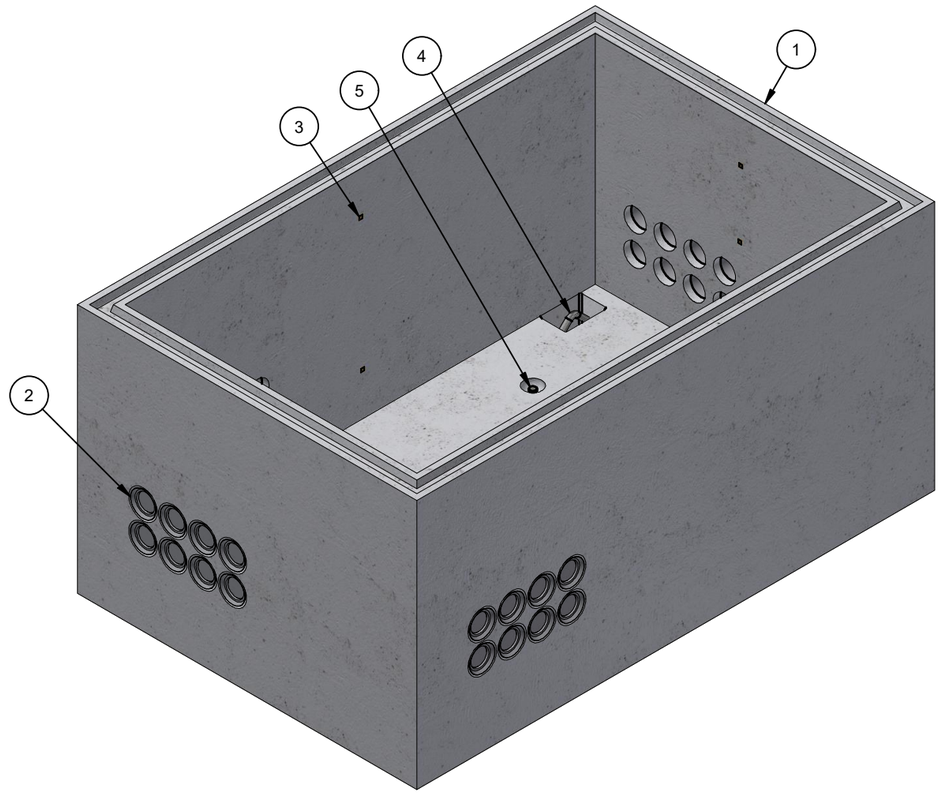
- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI
- SOIL UNIT WEIGHT DRY - 110 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE DRY - 40 lbs/cu.ft.
- SOIL UNIT WEIGHT WET - 120 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE WET - 80 lbs/cu.ft.

PRODUCTION NOTES:

- LIFTING INSERTS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS
- APPLIED FINISH - NONE
- INTERNAL LINER/COATING - NONE
- EXTERNAL LINER/COATING - NONE

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	39.555 ft^3	39.555 ft^3	100011425	CONCRETE MIX GENERIC 5000 PSI
2	1	32	100003011	TERMINATOR DUCT WITH SEAL 3IN SHORT T3000
3	1	8	100005933	GROUND INSERT BOTTLE ROCKET 1/2-13 BRASS w/ 0.1875x16" STEEL ROD
4	1	4	100004660	PULL IRON OFFSET B783519 3.5H X 19L X.875DIA GALV
5	1	8	100002867	ANCHOR DOGBONE P52 2T X 3-3/8" GALV
6	1	1	200086232	REINFORCING MAT 200086232

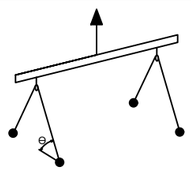


ISO VIEW

100021539.idw

LIFTING NOTES
■ THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 LIFTING POINTS AT A MINIMUM 60° 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 DIAGRAM*	C



BURY DEPTH:	0.0' - 5.0' to Top		
WATER LEVEL:	5.0'	APPROX. WEIGHT:	6103.74 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Dogbone

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CHANGE HISTORY

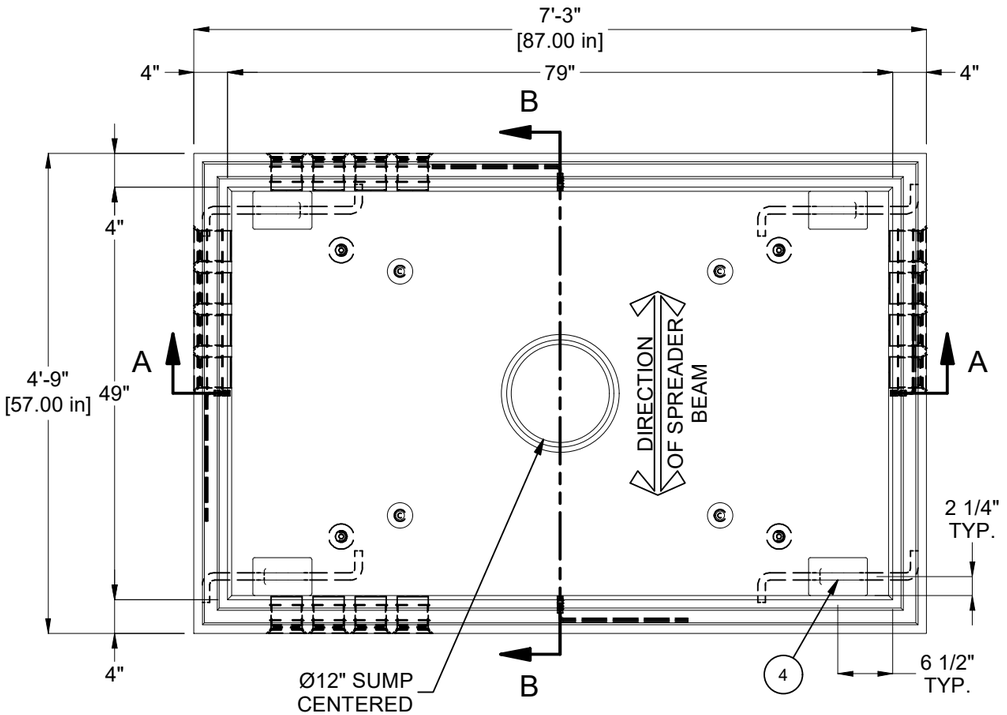
NO.	DESCRIPTION	DATE	BY
1	2402-56540	2/21/2024	MGL
2	ALIGNED TERMINATORS	7/24/2026	AMV

DESCRIPTION:
Vault 4878x36 Rect. Bottom Section Terminators Sump Overton Power Small
CASTING LAYOUT

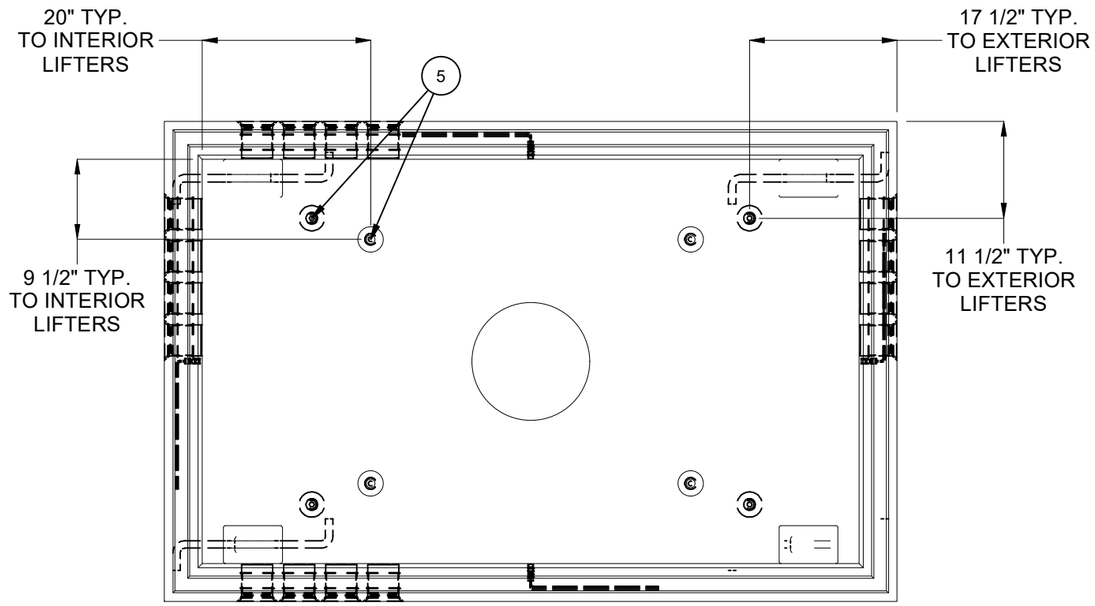
REV: B-1

SHEET: 1 OF 2

PART NUMBER:	100021539	DRAWN BY:	A. Viveiros
CREATED:	2/21/2024	MODIFIED:	7/24/2026

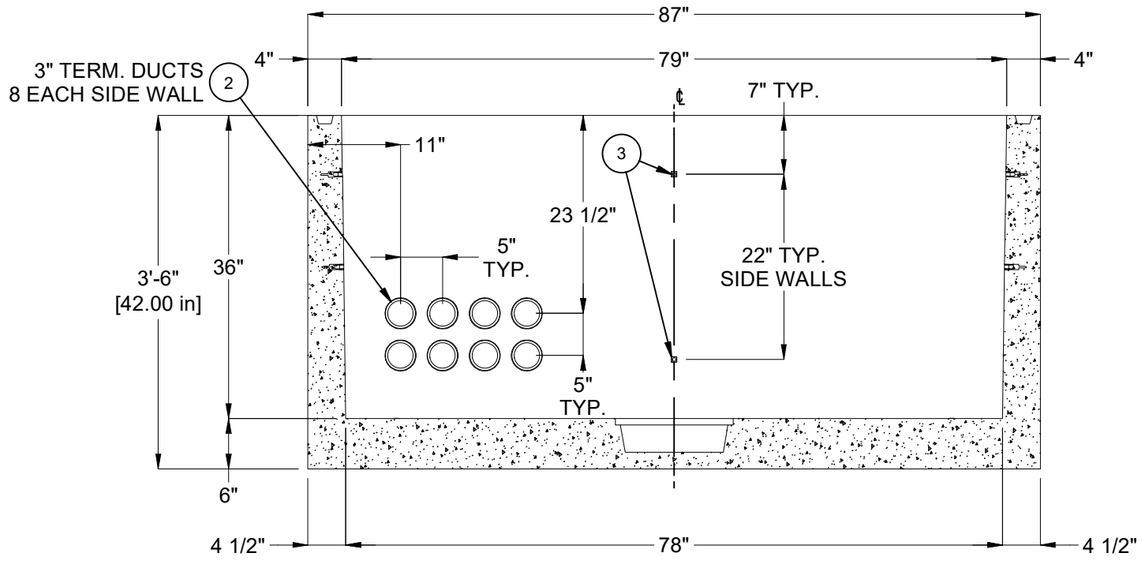


PLAN VIEW

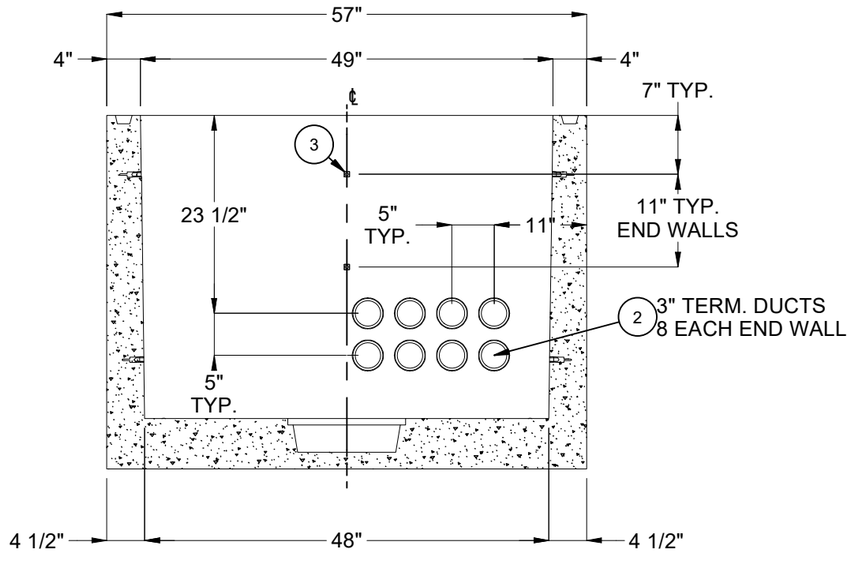


PLAN VIEW
(SHOWING LIFTER LOCATIONS)

100021539.idw



SECTION A-A



SECTION B-B

BURY DEPTH:	0.0' - 5.0' to Top		
WATER LEVEL:	5.0'	APPROX. WEIGHT:	6103.74 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 4878x36 Rect. Bottom Section Terminators Sump Overton Power Small
CASTING DRAWING

PART NUMBER:	100021539	DRAWN BY:	A. Viveiros
CREATED:	2/21/2024	MODIFIED:	7/24/2026

REV: B-1
SHEET: 2 OF 2