DESIGN NOTES:

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

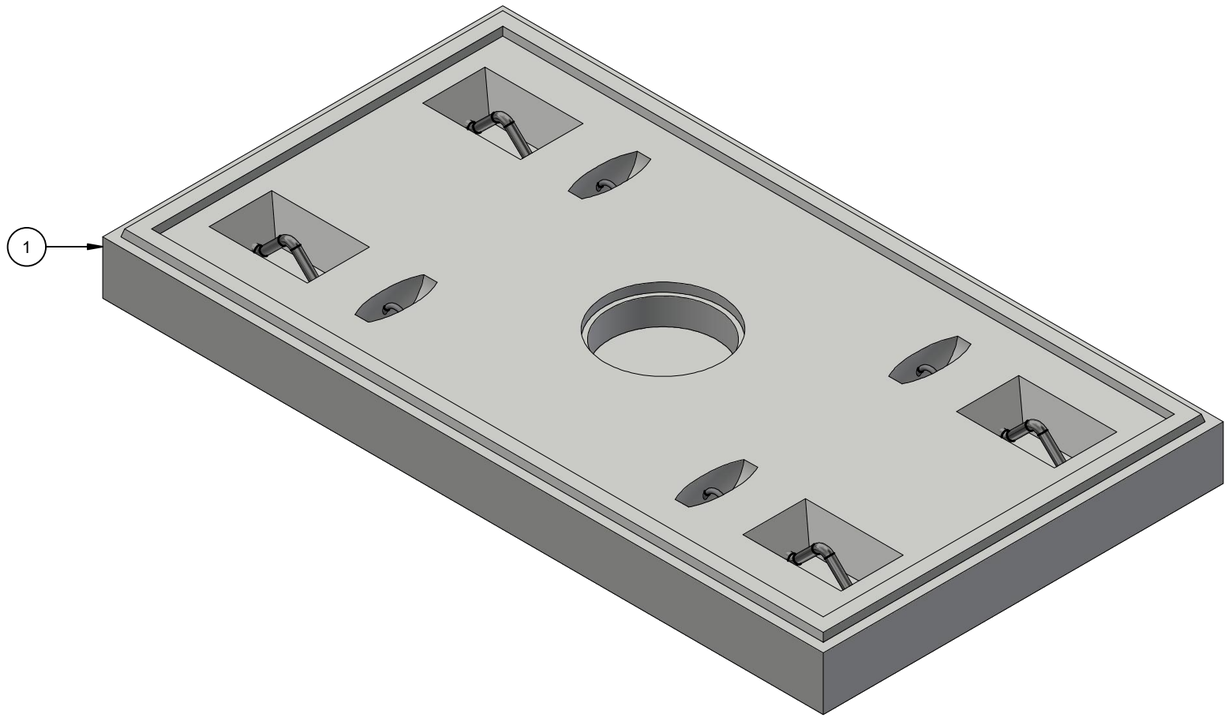
PRODUCTION NOTES:

- 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	11.610 ft^3	11.610 ft^3	100011425	CONCRETE MIX 5000 PSI
2	1	4	100004660	PULL IRON OFFSET B783519 3.5H X 19L X.875DIA GALV
3	1	4	100007235	ANCHOR UTILITY .444DIA 4-SLAB GALV P75 4UA444
4	1	1	100020617	REINFORCING MAT 100020617

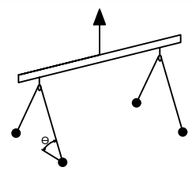
100005502.idw



ISO LAYOUT

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



CHANGE HISTORY			
NO.	DESCRIPTION	DATE	BY
1	INITIAL RELEASE	4/11/2024	J.R.
2	REVISED PER UPDATED FORM DIMENSIONS	5/3/2024	J.R.
3			

BURY DEPTH:	3.0' - 4.3' to Top		
WATER LEVEL:	5.0'	APPROX. WEIGHT:	1763.31 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	A-Anchor

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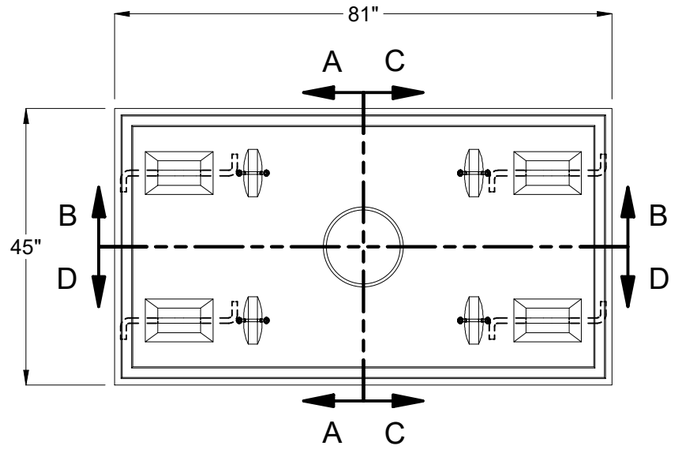
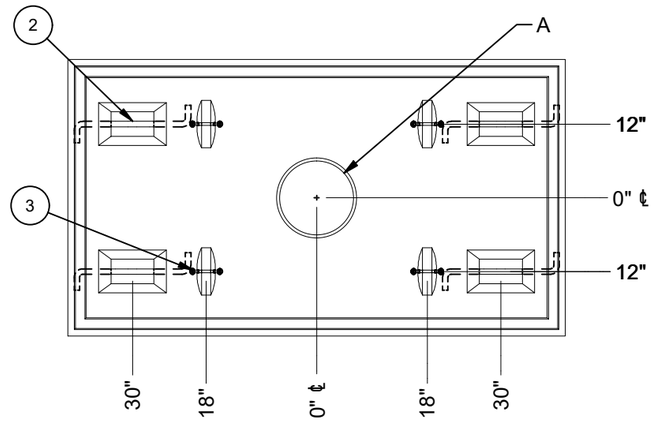
DESCRIPTION:	Vault 3672x6 Slab Bottom Sump CASTING LAYOUT		REV: C-1
PART NUMBER:	100005502	DRAWN BY:	J. Ramirez
CREATED:	3/4/2024	MODIFIED:	4/18/2024
			SHEET: 1 OF 2

FEATURES		
ID	DESCRIPTION	QTY
A	Ø12" x 4" Deep Sump	1

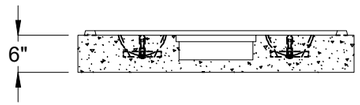




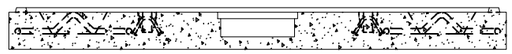
PLAN VIEW



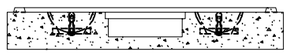
PLAN VIEW
(SHOWING OBJECT DIMENSIONS)



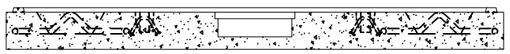
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BURY DEPTH:	3.0' - 4.3' to Top		
WATER LEVEL:	5.0'	APPROX. WEIGHT:	1763.31 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	A-Anchor

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DESCRIPTION:	Vault 3672x6 Slab Bottom Sump CASTING DRAWING		REV: C-1
PART NUMBER:	100005502	DRAWN BY:	J. Ramirez
CREATED:	3/4/2024	MODIFIED:	4/18/2024
			SHEET: 2 OF 2

100005502.idw