DESIGN NOTES:

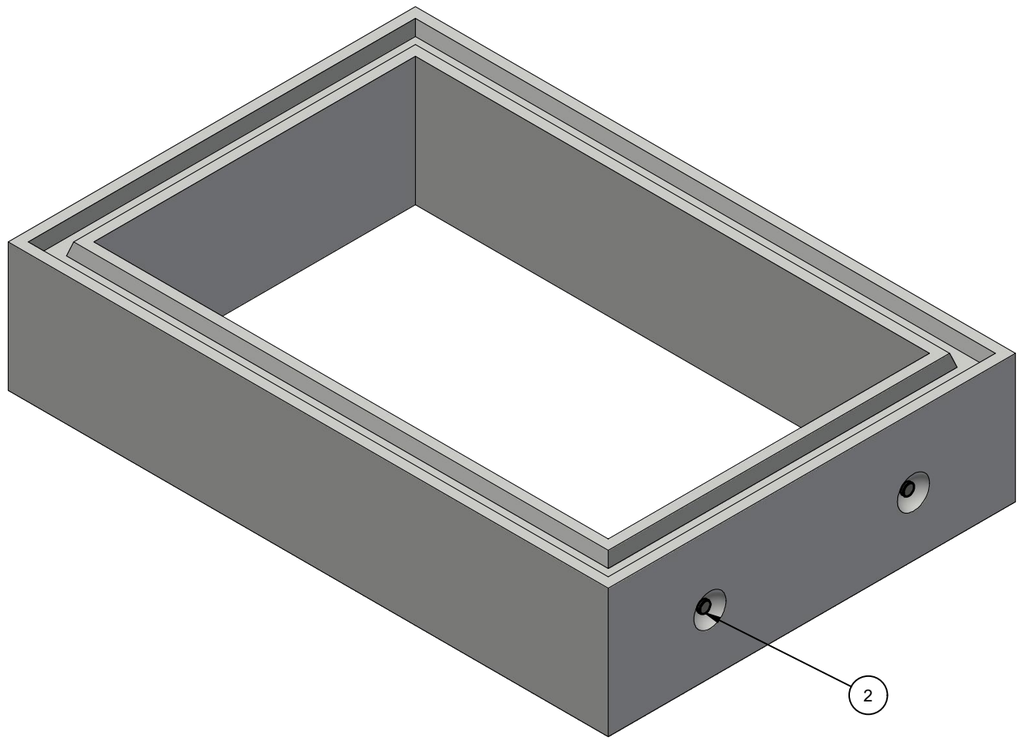
- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 6000 PSI
- SOIL UNIT WEIGHT DRY - 110 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE DRY - 40 lbs/cu.ft.
- SOIL UNIT WEIGHT WET - 120 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE WET - 80 lbs/cu.ft.

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

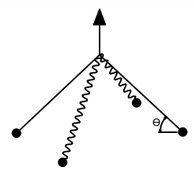
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	4.691 ft^3	4.690 ft^3	100011427	CONCRETE MIX GENERIC 6000 PSI
2	1	4	100002866	ANCHOR DOGBONE P52 2T X 2-3/4" GALV
3	1	1	300155101	REINFORCING MAT 300155101



ISO VIEW

LIFTING NOTES
■ THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 2 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*	B



BURY DEPTH:	0.0' - 10.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	706.32 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	PRELIMINARY SUBMITTAL	2/20/2024	SD
2			
3			

DESCRIPTION: Riser 3048x12 NV Energy South

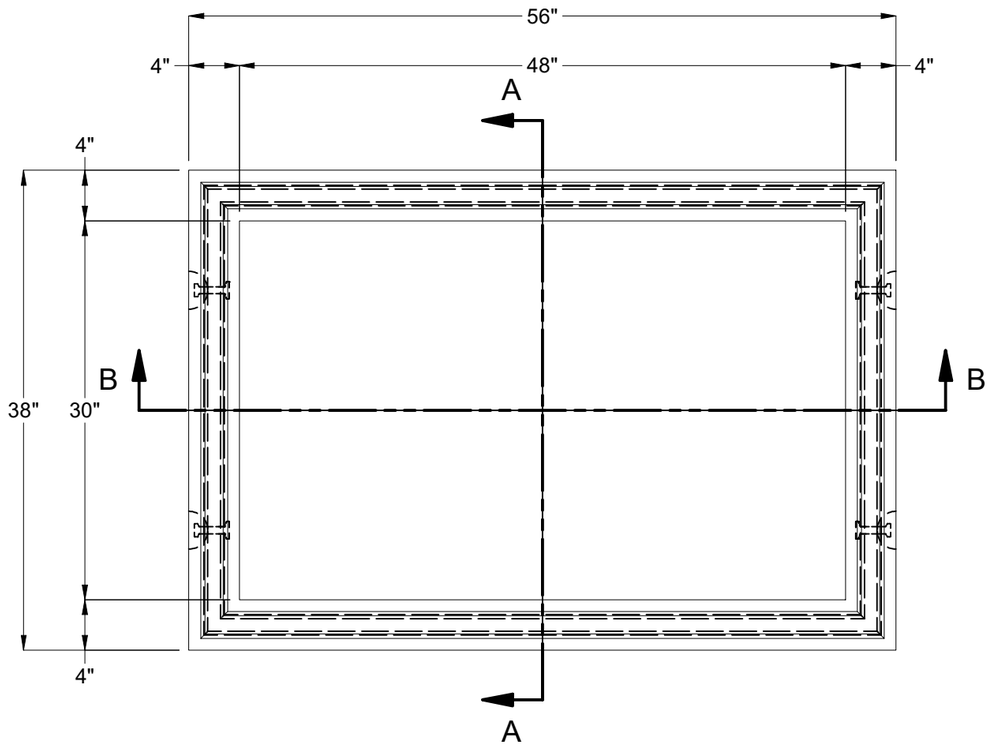
CASTING LAYOUT

REV: A-1

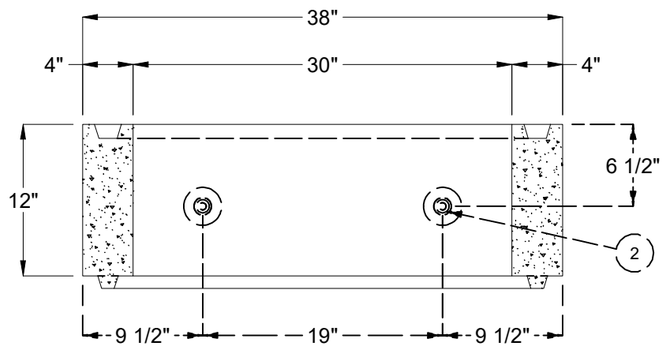
SHEET: 1 OF 2

PART NUMBER:	100001174	DRAWN BY:	S. de Lange Boom
CREATED:	2/20/2024	MODIFIED:	5/24/2024

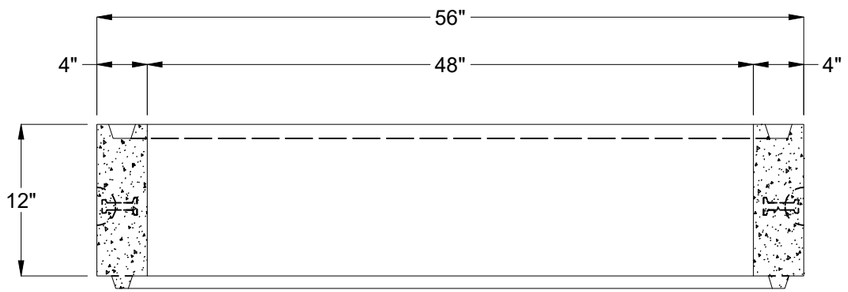
100001174.idw



PLAN VIEW



SECTION A-A



SECTION B-B

BURY DEPTH:	0.0' - 10.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	706.32 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:	Riser 3048x12 NV Energy South CASTING DRAWING		REV: A-1
PART NUMBER:	100001174	DRAWN BY:	S. de Lange Boom
CREATED:	2/20/2024	MODIFIED:	5/24/2024
			SHEET: 2 OF 2

100001174.idw