DESIGN NOTES:

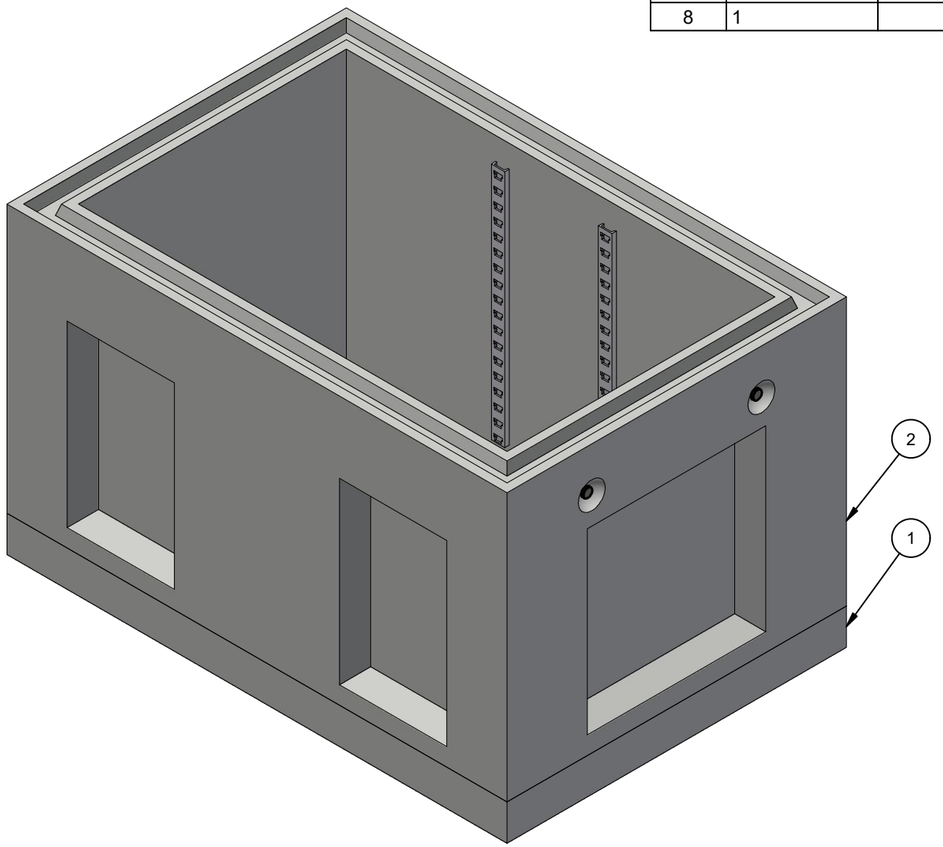
- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 6000 PSI
- SOIL UNIT WEIGHT DRY - 110 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE DRY - 40 lbs/cu.ft.
- SOIL UNIT WEIGHT WET - 120 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE WET - 80 lbs/cu.ft.

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	4.821 ft^3	4.821 ft^3	100011427	CONCRETE MIX GENERIC 6000 PSI
2	10.140 ft^3	10.140 ft^3	100011427	CONCRETE MIX GENERIC 6000 PSI
3	1	12	100002866	ANCHOR DOGBONE P52 2T X 2-3/4" GALV
4	1	2	100005927	PULL IRON OFFSET .875DIA 5.875 IH X 9.125L X 4.75W GALV
5	1	4	100002513	CABLE RACK 18 HOLE GALV W/O TABS
6	1	8	100002765	Insert Ferrule Loop 0.5 x 2.75" Zinc (F42 or Equiv.)
7	1	1	300155099	REINFORCING MAT 300155099
8	1	1	300155100	REINFORCING MAT 300155100

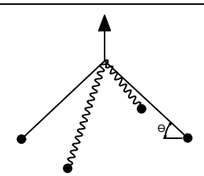


ISO VIEW

100008840.idw

LIFTING NOTES
■ THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2750 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' - 2.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	2268.33 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

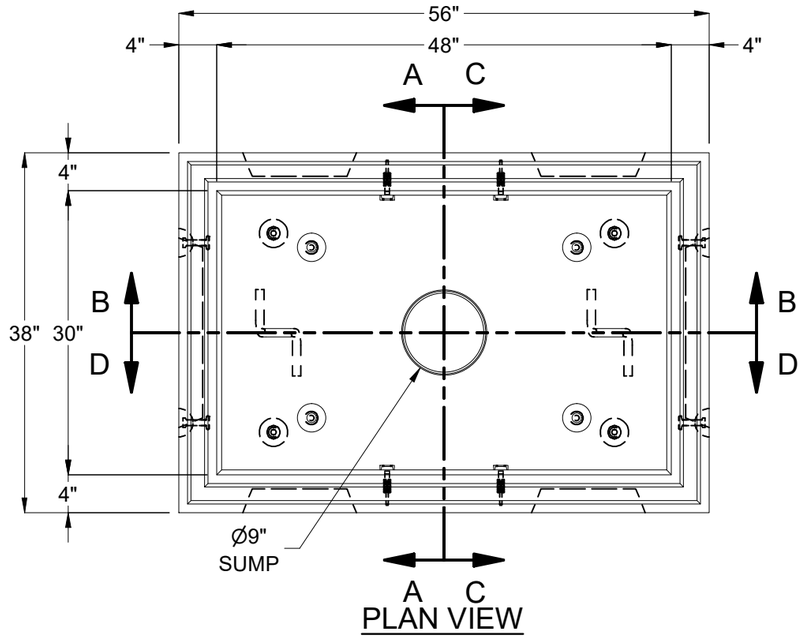
NO.	DESCRIPTION	DATE	BY
1	PRELIMINARY SUBMITTAL	2/19/2024	SD
2			
3			

DESCRIPTION:
Vault 3048x30 Rect. Bottom Section Knockout Ducted,Racking Century Link CL200
CASTING LAYOUT

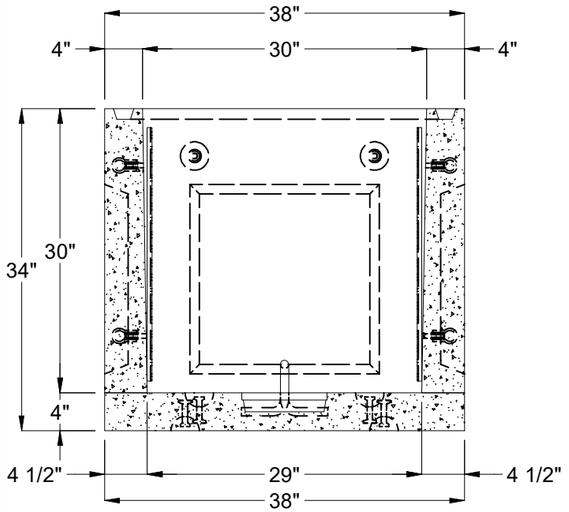
REV: A-1

PART NUMBER:	100008840	DRAWN BY:	S. de Lange Boom
CREATED:	2/20/2024	MODIFIED:	3/15/2024

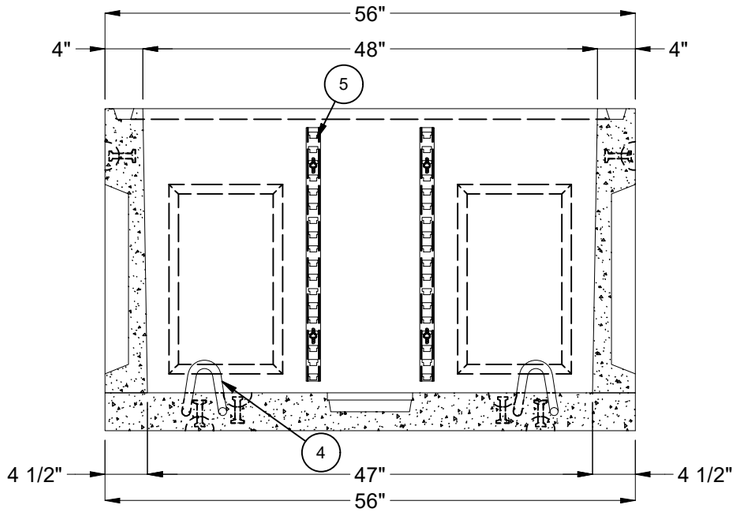
SHEET: 1 OF 4



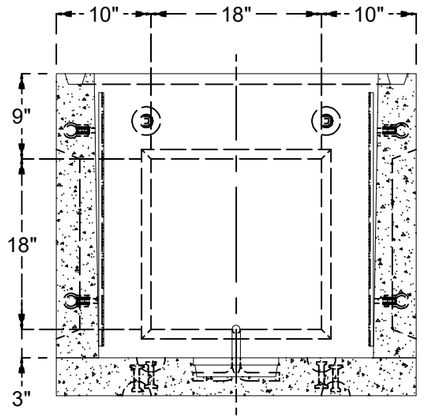
PLAN VIEW



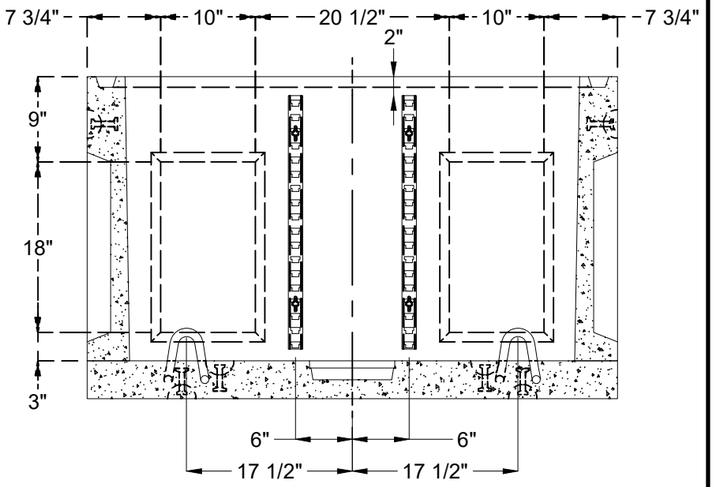
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BURY DEPTH:	0.0' - 2.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	2268.33 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 3048x30 Rect. Bottom Section Knockout Ducted,Racking Century Link CL200

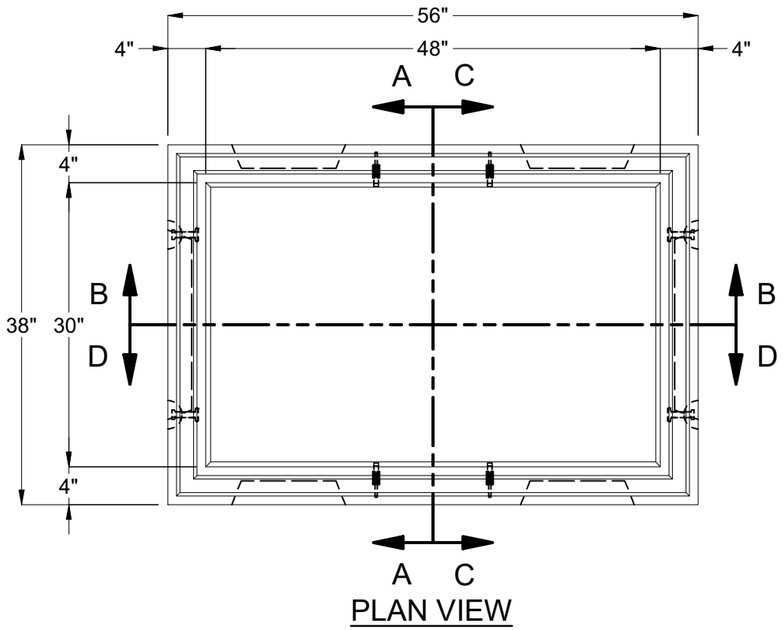
CASTING DRAWING

PART NUMBER:	100008840	DRAWN BY:	S. de Lange Boom
CREATED:	2/20/2024	MODIFIED:	3/15/2024

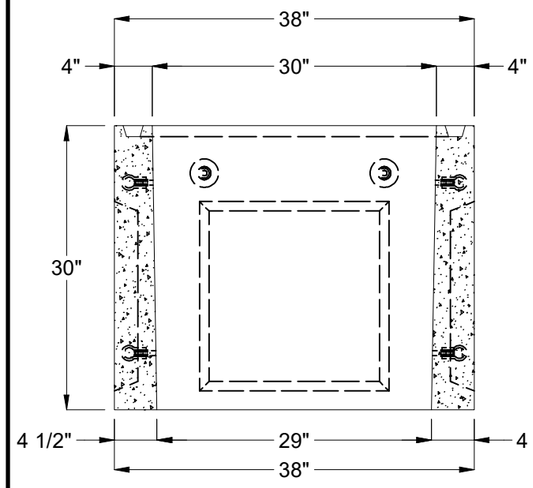
REV: A-1

SHEET: 2 OF 4

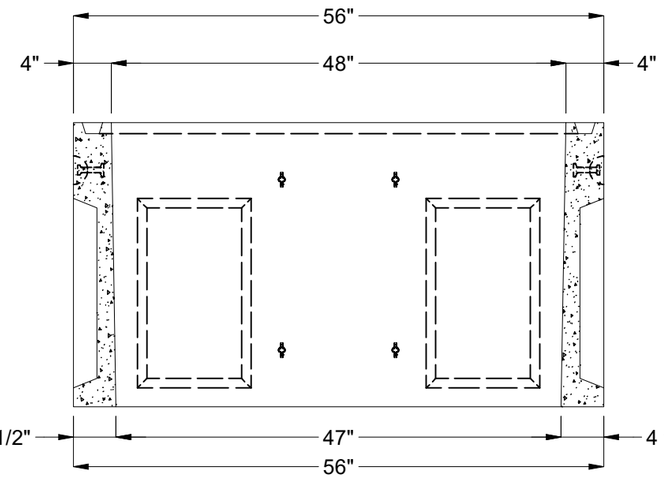
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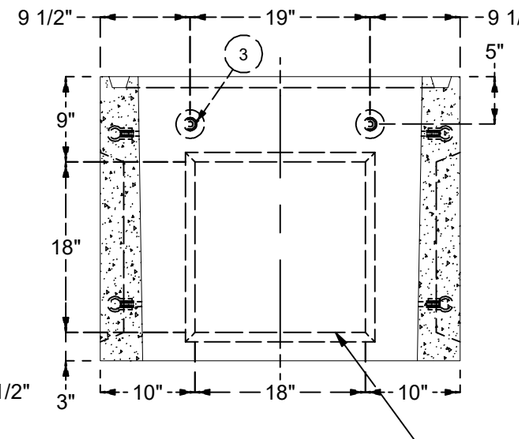
PLAN VIEW



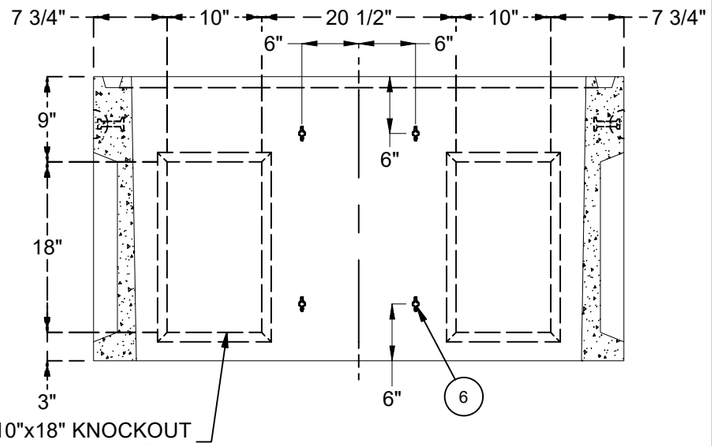
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BURY DEPTH:	0.0' - 2.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	2268.33 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 3048x30 Rect. Bottom Section Knockout Ducted,Racking Century Link CL200

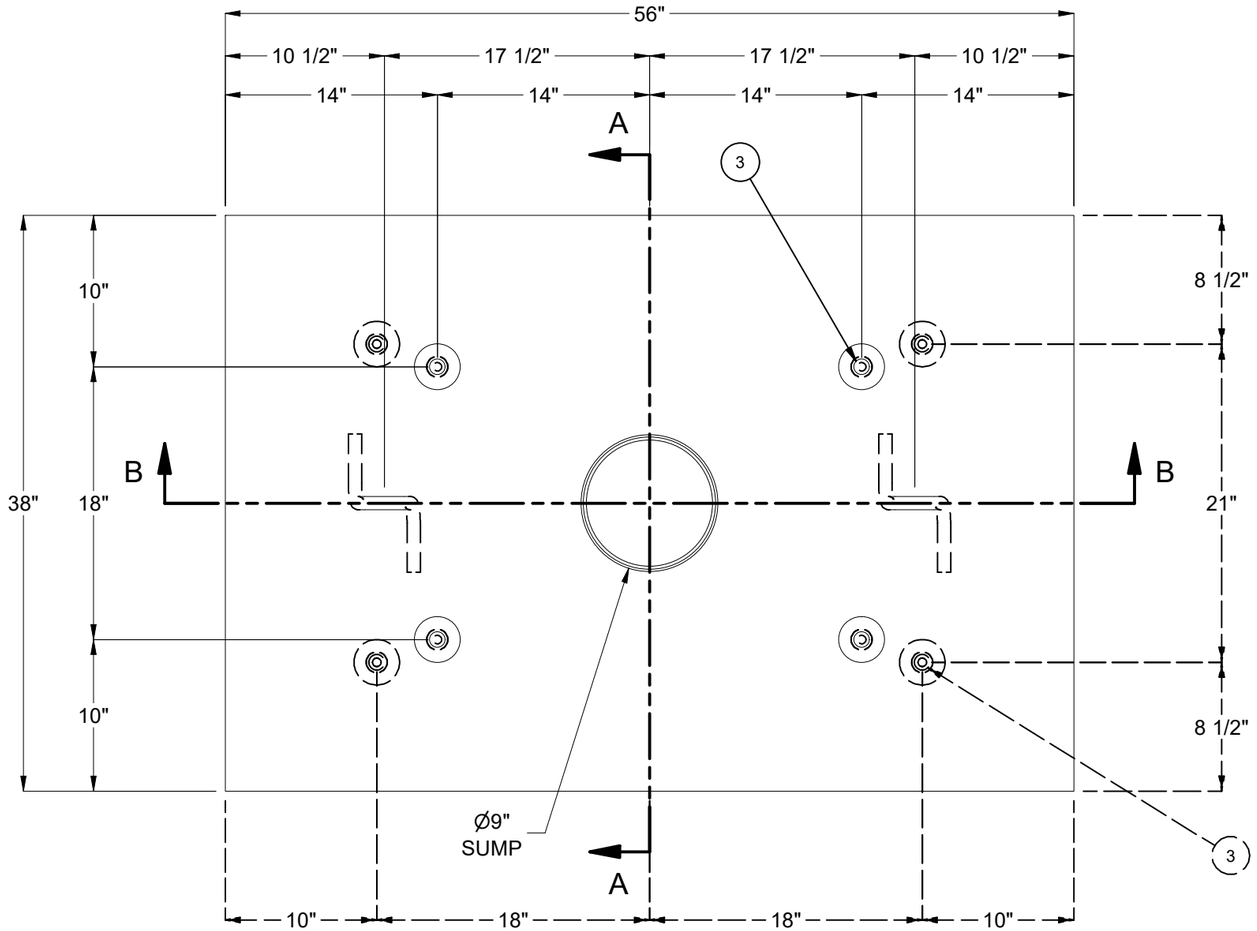
RISER CASTING DRAWING

PART NUMBER:	100008840	DRAWN BY:	S. de Lange Boom
CREATED:	2/20/2024	MODIFIED:	3/15/2024

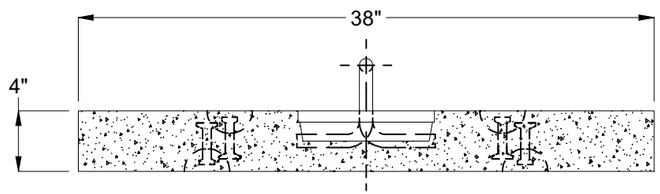
REV: A-1

SHEET: 3 OF 4

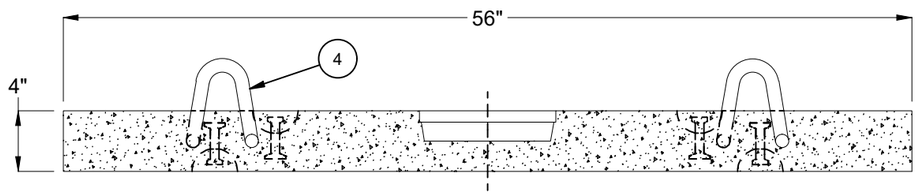
100008840.idw



PLAN VIEW



SECTION A-A



SECTION B-B

BURY DEPTH:	0.0' - 2.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	2268.33 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 3048x30 Rect. Bottom Section Knockout Ducted,Racking Century Link CL200 BASE CASTING DRAWING		REV: A-1
PART NUMBER:	100008840	DRAWN BY:	S. de Lange Boom
CREATED:	2/20/2024	MODIFIED:	3/15/2024
			SHEET: 4 OF 4

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