DESIGN NOTES:

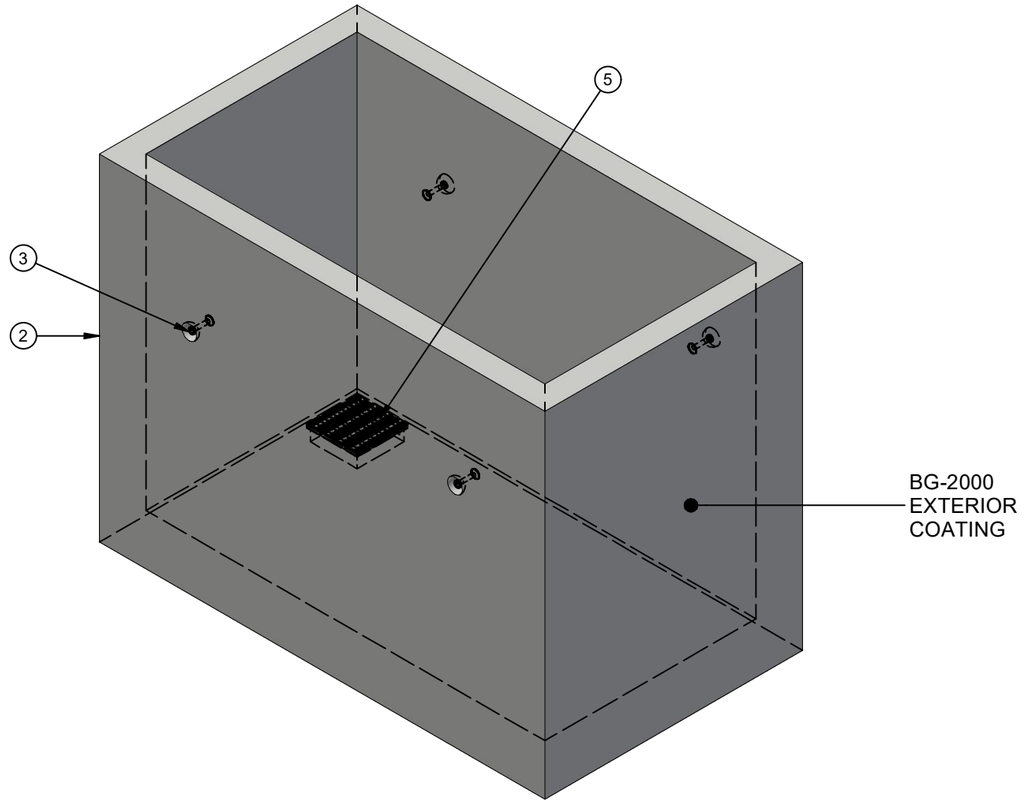
- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI
- SOIL UNIT WEIGHT DRY - 110 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE DRY - 40 lbs/cu.ft.
- SOIL UNIT WEIGHT WET - 120 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE WET - 80 lbs/cu.ft.

PRODUCTION NOTES:

- THIS PRODUCT SHALL ONLY BE PRODUCED IN A JENSEN PRECAST FACILITY
- LIFTING INSERTS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS
- APPLIED FINISH - NONE
- INTERNAL LINER/COATING - NONE
- EXTERNAL LINER/COATING - Coating - Multicoat BG2000

BILL OF MATERIALS

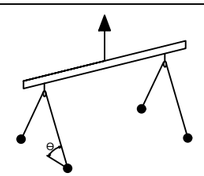
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	100019023	REINFORCING MAT 100019023
2	129.336 ft^3	100011425	CONCRETE MIX GENERIC 5000 PSI
3	4	100002874	ANCHOR DOGBONE P52 4T X 4-3/4" GALV
4	8.000 gal	100042909	COATING WATERPROOFING BG2000 MULTICOAT
5	1	100004775	SUMP PAN GRT 13X13 SQUARE POLYLOK



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



BURY DEPTH:	0.9' - 5.9' to Top		
WATER LEVEL:	Below Structure	WEIGHT:	18380.11 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Dogbone

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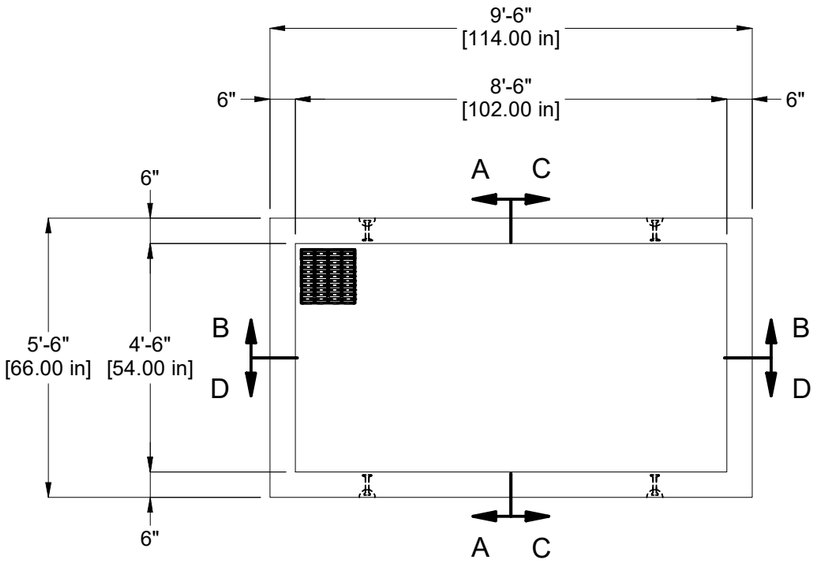
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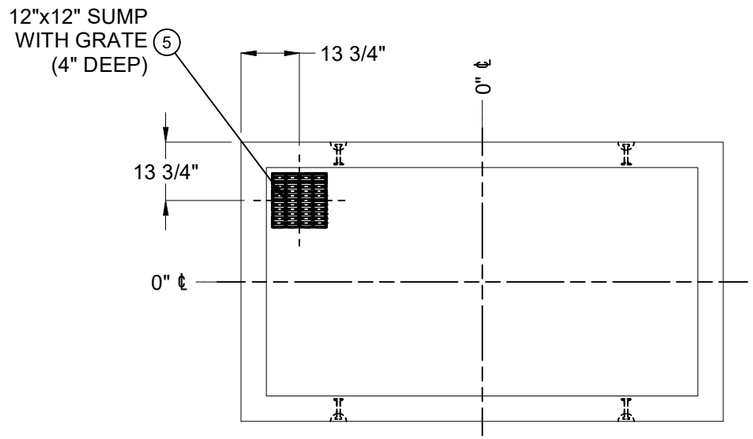
REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
B-1	INITIAL RELEASE - 1911-18974-NNV	01/06/2020	ACHO
C-2	ADDED BG-2000 EXT. COATING TO MATCH IFS - BURY REF. TOP OF WALL	02/20/2023	EDC
D-1	BG2000 UPDATED TO 100042909	08/15/2023	EDC
E-2	SUMP GRATE PART CHANGE TO 100004775, INCLUDE TMWA AGENCY	09/12/2023	CF
F-1	STRAIGHT WALL FORM, REINFORCING CLEARANCE CHANGE	02/13/2025	RM

DESCRIPTION: Vault 54102x79 Rect. Bottom Section Core Drill Sump TMWA Ext. Coating - Multicoat BG2000			REV: F-1
CASTING LAYOUT			SHEET: 1 OF 2
PART NUMBER:	100001371	DRAWN BY:	R.Mangoba
CREATED:	1/6/2020	MODIFIED:	2/13/2025

10000137 1.idw

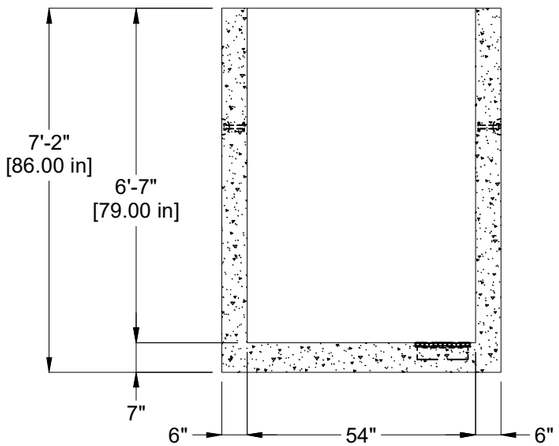


PLAN VIEW

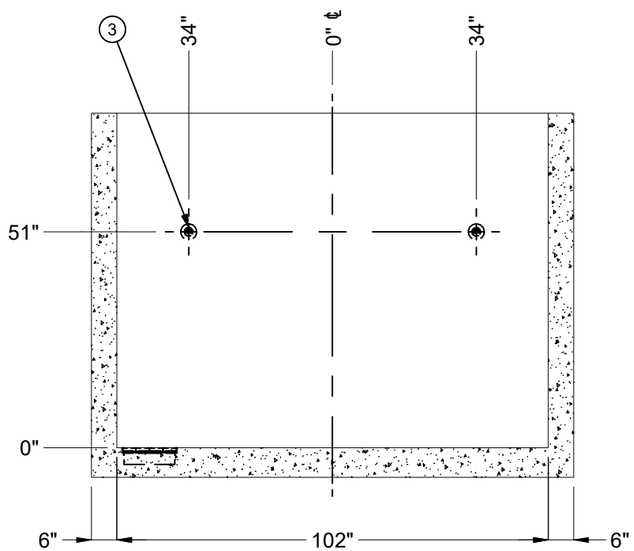


PLAN VIEW
(SHOWING OBJECT DIMENSIONS)

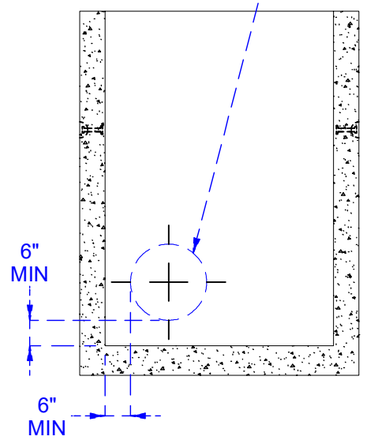
MAXIMUM OF ONE 18" CORE DRILLED OPENING
FOR A FULLY GROUTED RIGID PIPE ALLOWED AT EACH WALL.
EACH HOLE MUST BE NO CLOSER THAN 6"
OFF INSIDE WALL CORNER AND ABOVE FLOOR.



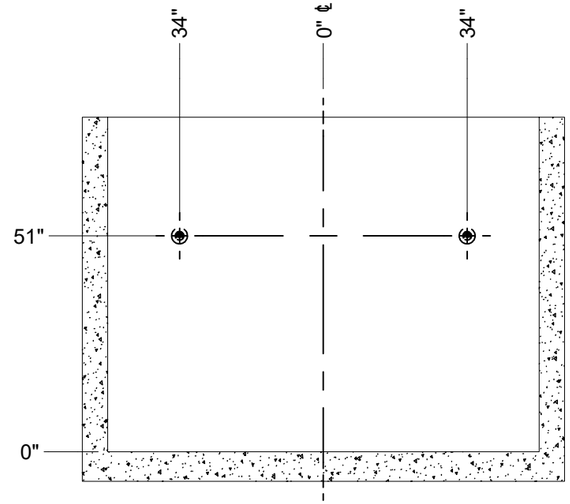
SECTION A-A
END WALL



SECTION B-B
SIDE WALL



SECTION C-C
END WALL



SECTION D-D
SIDE WALL

BURY DEPTH:	0.9' - 5.9' to Top		
WATER LEVEL:	Below Structure	WEIGHT:	18380.11 Lbs
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DESCRIPTION:
Vault 54102x79 Rect. Bottom Section Core Drill Sump TMWA Ext. Coating - Multicoat BG2000
CASTING DRAWING

PART NUMBER:	100001371	DRAWN BY:	R.Mangoba
CREATED:	1/6/2020	MODIFIED:	2/13/2025

REV: F-1

SHEET: 2 OF 2

100001371.idw