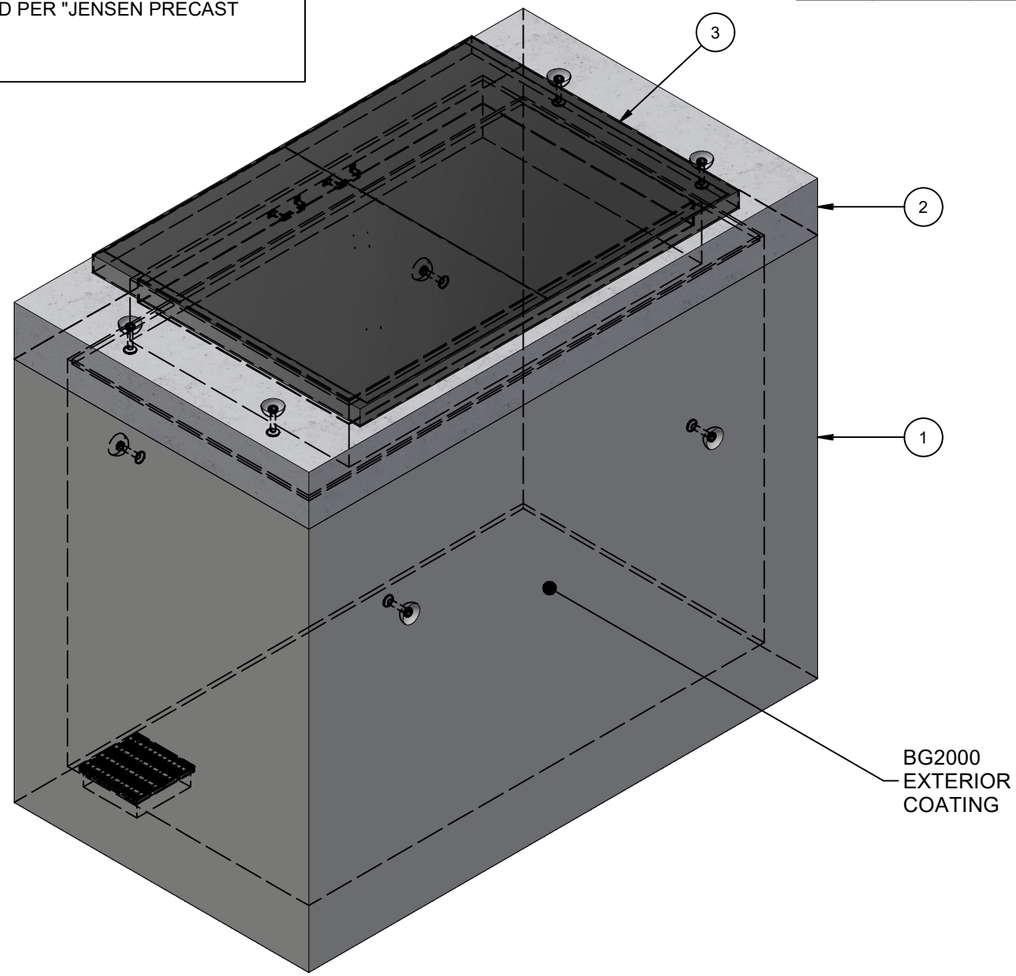
DESIGN NOTES
■ THIS PRODUCT MUST ONLY BE PRODUCED IN A JENSEN PRECAST FACILITY.
■ ALL CONCRETE MUST HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI.
■ REINFORCING STEEL MUST COMPLY WITH ASTM A615 GRADE 60 OR ASTM A706 GRADE 60.
■ EQUIVALENT AREA WELDED WIRE REINFORCING CAGES MAY BE UTILIZED IN LIEU OF GRADE 60 REBAR.
■ WELDED WIRE REINFORCING MUST COMPLY WITH ASTM A1064.
■ SEE TITLE BLOCK FOR BURY DEPTH RANGE, WATER TABLE LEVEL, AND DESIGN AND LOADING SPECIFICATIONS.
■ SOIL UNIT WEIGHT DRY – 110 lbs/cu.ft.
■ EQUIVALENT LATERAL EARTH PRESSURE DRY: 40 lbs/cu.ft.
■ SOIL UNIT WEIGHT WET – 120 lbs/cu.ft
■ EQUIVALENT LATERAL EARTH PRESSURE WET: 80 lbs/cu.ft.
■ UNLESS OTHERWISE NOTED OR SPECIFIED THE STRUCTURE MUST BE INSTALLED PER "JENSEN PRECAST UNDERGROUND UTILITY STRUCTURES INSTALLATION PROCEDURE" FOUND AT https://www.jensenprecast.com/Utility-Structures-Installation-Instructions-d2595.pdf

BILL OF MATERIALS

ITEM	QTY	PART NUMBER	DESCRIPTION	MASS (lb)
1	1	100001371	Vault 54102x79 Rect. Bottom Section Core Drill Sump TMWA Ext. Coating - Multicoat BG2000	18380
2	1	100001388	Vault 54102x12 Slab Top 49"x79"C TMWA Ext. Coating - Multicoat BG2000	3622
3	1	100037730	COVER 4777 ALUM THS 1000180418 USF-HATCH	426
4	2	200029391	BOLT ON LADDER LOOP ALUMINUM	0
5	1	100005651	LADDER UP SAFETY POST LU-1	17
6	1	100042381	LADDER HOOKED 12FT GALV W/ FEET 99Z-3800K-12-SP INWESCO	62



ISO VIEW

CHANGE HISTORY			
NO.	DESCRIPTION	DATE	BY
A-4	2302-54881-3	02/20/2023	EDC
B-2	UPDATED LADDER - BG2000	08/15/2023	EDC
C-1	STRAIGHT WALL FORM	02/13/2025	RM

BURY DEPTH:	0.0' - 0.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	22507.37 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	TMWA	AGENCY SPEC:	

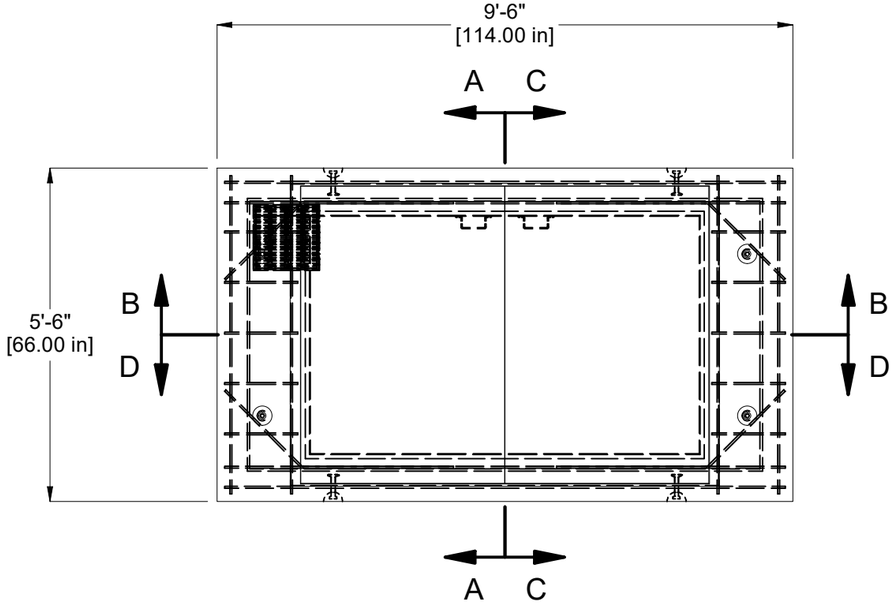
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DESCRIPTION:	Vault Layout 54102x78 Core Drill Sump 47"x77"C TMWA Ext. Coating - Multicoat BG2000 CASTING LAYOUT		REV: C-1
PART NUMBER:	200072778	DRAWN BY:	E CAMERON
CREATED:	4/1/2022	MODIFIED:	2/13/2025
			SHEET: 1 OF 2

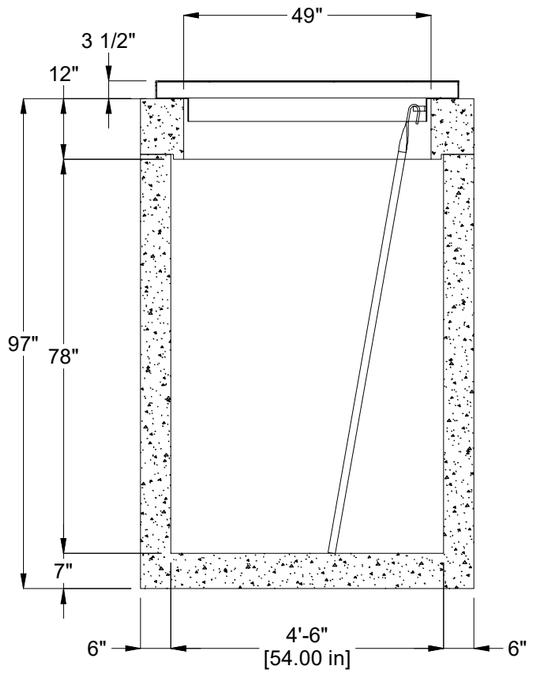
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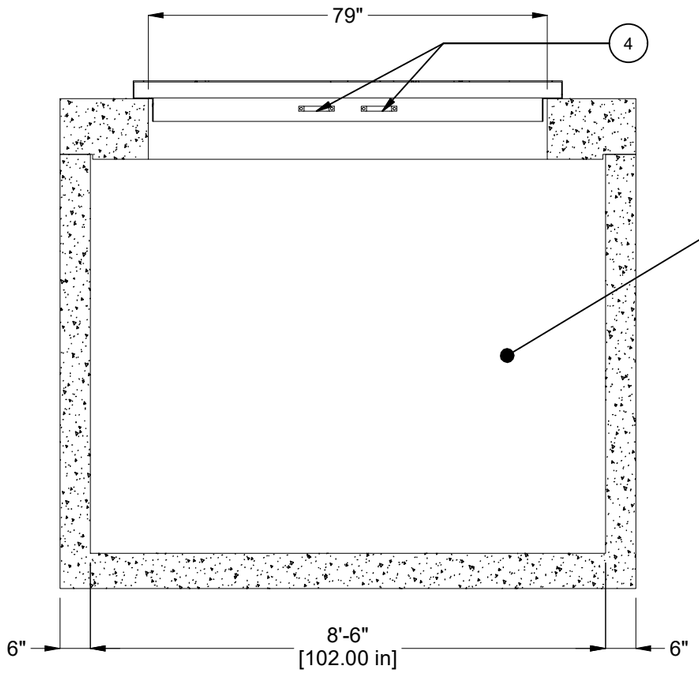
PLAN VIEW

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

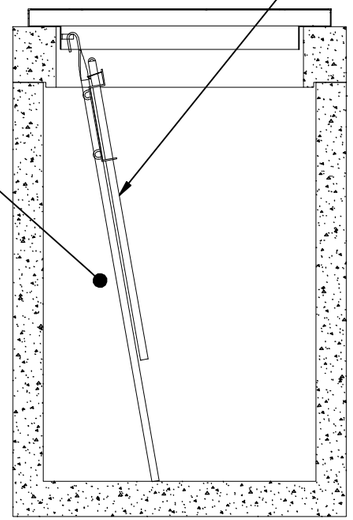
5 6 LADDER POSITIONED AND
TRIMMED TO LENGTH IN
THE FIELD BY OTHERS



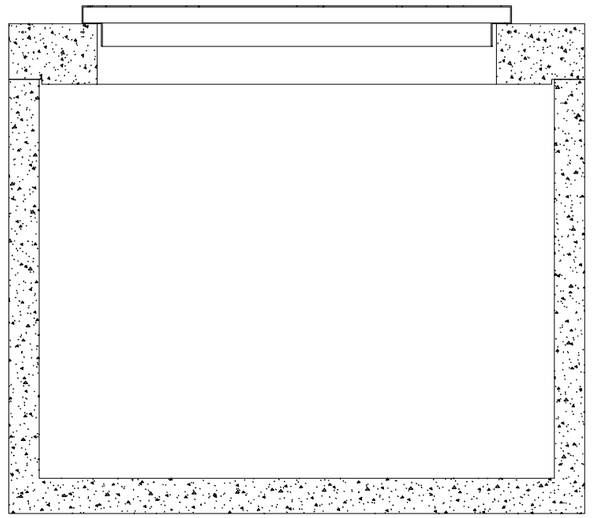
SECTION A-A
END WALL



SECTION B-B
SIDE WALL



SECTION C-C
END WALL



SECTION D-D
SIDE WALL

BURY DEPTH:	0.0' - 0.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	22507.37 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	TMWA	AGENCY SPEC:	

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DESCRIPTION:	Vault Layout 54102x78 Core Drill Sump 47"x77"C TMWA Ext. Coating - Multicoat BG2000		REV: C-1
	CASTING DRAWING		
PART NUMBER:	200072778	DRAWN BY:	E CAMERON
CREATED:	4/1/2022	MODIFIED:	2/13/2025

SHEET: 2 OF 2

200072778.idw