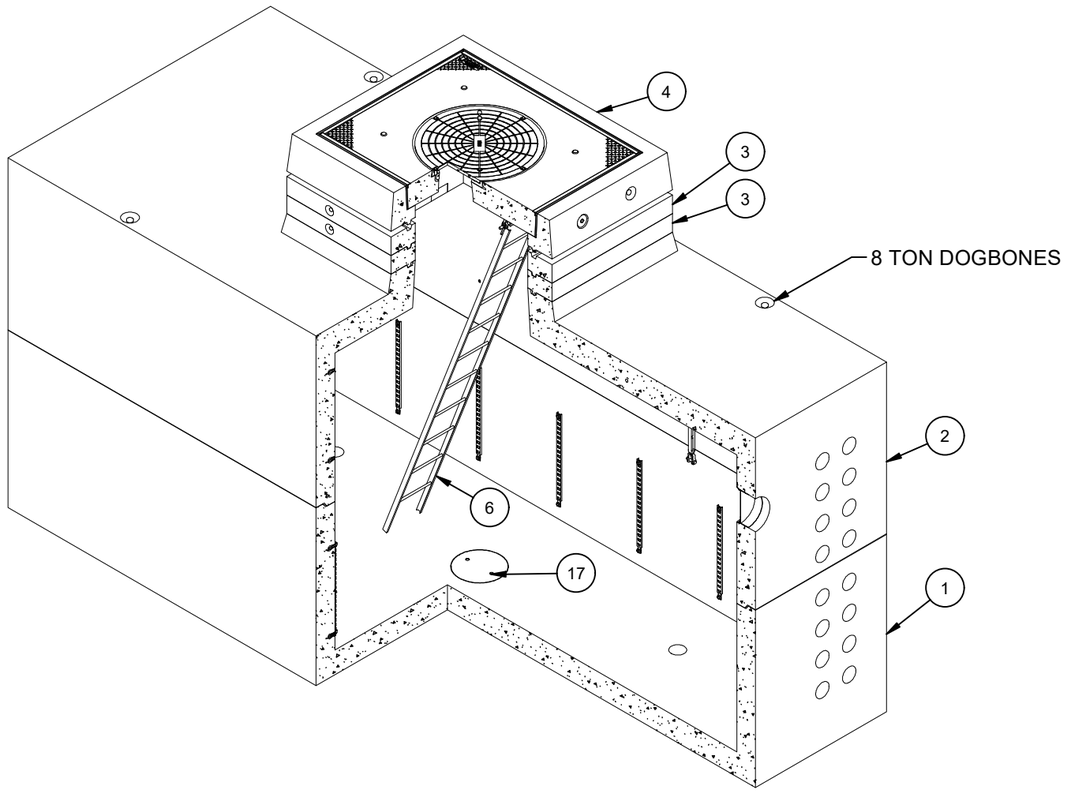
DESIGN NOTES
■ THIS PRODUCT MUST ONLY BE PRODUCED IN A JENSEN INFRASTRUCTURE FACILITY.
■ ALL CONCRETE MUST HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5,500 PSI.
■ REINFORCING STEEL MUST COMPLY WITH ASTM A615 GRADE 60 OR ASTM A706 GRADE 60.
■ SEE TITLE BLOCK FOR BURY DEPTH RANGE, WATER TABLE LEVEL, AND DESIGN AND LOADING SPECIFICATIONS.
■ SOIL UNIT WEIGHT – 120 lbs/cu.ft.
■ EQUIVALENT LATERAL EARTH PRESSURE DRY: 36 lbs/cu.ft.
■ EQUIVALENT LATERAL EARTH PRESSURE WET: 80 lbs/cu.ft.
■ UNLESS OTHERWISE NOTED OR SPECIFIED THE STRUCTURE MUST BE INSTALLED PER "JENSEN INFRASTRUCTURE UNDERGROUND UTILITY STRUCTURES INSTALLATION PROCEDURE" FOUND AT https://www.jensenprecast.com/Utility-Structures-Installation-Instructions-d2595.pdf
■ DESIGNED PER CALCS. #31003
■ ALL PARTS TO BE STENCILED: MFG DATE / PRODUCT ID / WEIGHT.
■ COVER DESIGN FOR TRAFFIC LOADING.
■ MINIMUM EXCAVATION SIZE: 10'-0" X 21'-0" X DEPTH REQ'D.
■ VAULT TO BE PLACED ON A MIN. 6” BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
■ CONCRETE MIX USED IN POURING THIS PRODUCT SHALL USE FLY ASH AS AN ADMIXTURE.
■ FINISH COATING: ALL INTERIOR WALLS AND CEILING SHALL BE PAINTED WHITE.

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	MASS (lb)
1	1	1	200016372	Vault 84216x48 Rect. Bottom Section Terminators Sump EDISON UGS VA 410	33810
2	1	1	200016374	Vault 84216x48 Rect. Top Section 48"x60"E Terminators Edison UGS VA 410-ALT	34053
3	1	2	200012851	Riser 4860x6 LADWP 1-802 2B	1202
4	1	1	200070377	Vault Neck and Plug Cover Assembly 4860x12 30"C Moreno Valley R-1581	3958
5	1	1	100007585	LADDER HANGER ASSEMBLY GALV	
6	1	1	100007320	LADDER HOOKED GALV 11FT ED/LA I3382	
7	1	4	100009239	ROD THREADED COIL YELLOW DIP 3/4 X 10-1/2"	
8	1	8	100007136	WASHER FLAT 3/4 REGULAR TYPE A ZINC	
9	1	8	100007010	HEX COIL NUT 3/4-4.5 POST YELLOW DIP	
10	1	18	100002527	CABLE RACK 18 HOLE GALV TABS	
11	1	36	100004339	BOLT HEX 1/2-13 UNC 2 304SS	
12	1	36	100007767	WASHER FLAT 1/2 REGULAR 1.25 OD 304SS	
13	1	4	100013515	CHAIN 1/2 7-1/2FT GR-30 (FIELD CUT)	
14	1	4	100009367	SHACKLE 5/8IN W/3/4 COTTER PIN GALV	
15	1	4	100009368	TURNBUCKLE CLEVIS-TO-CLEVIS 3/4 THREADED GALV	
16	5.000 gal	5.000 gal	100006420	COATING PAINT LATEX WHITE	
17	1	1	100006783	SUMP COVER FOR 13IN GALV DIA PLATE	
18	1.000 ul	1.000 ul	100005749	SEALANT JOINT BUTYL RUBBER ASTM C-990 AND M198 CS-102 1IN EQUIV X14.5FT PER BOX 118FT	



ISOMETRIC VIEW

LIFTING NOTES
■ THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED WITH (4) EQUALLY LOADED RIGGINGS LEGS MIN. 60° SLING ANGLE, MEASURED FROM HORIZONTAL.

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A-1	INITIAL RELEASE	7/9/2025	

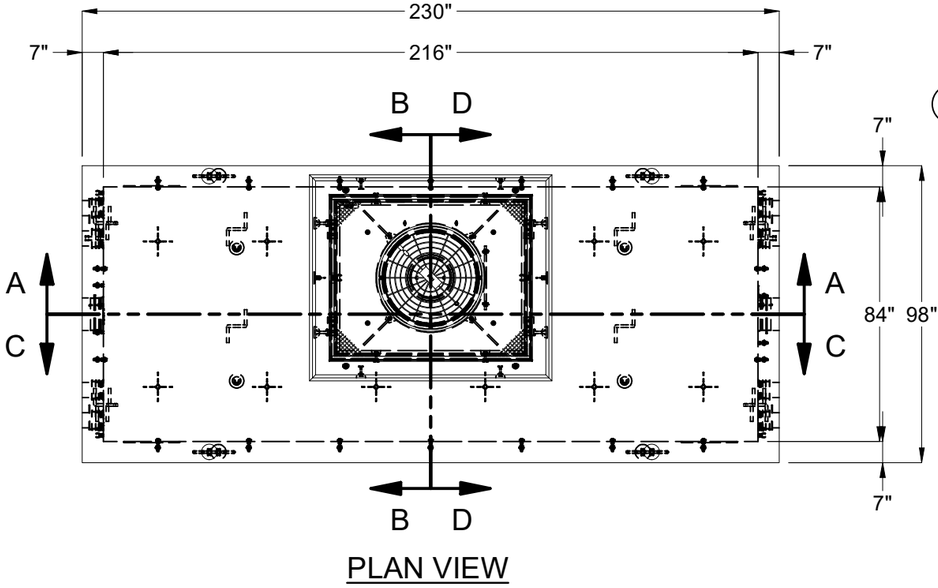
BURY DEPTH:	1.5' - 4.0' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	74300.36 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	Moreno Valley	AGENCY SPEC:	MVEU-730B-0

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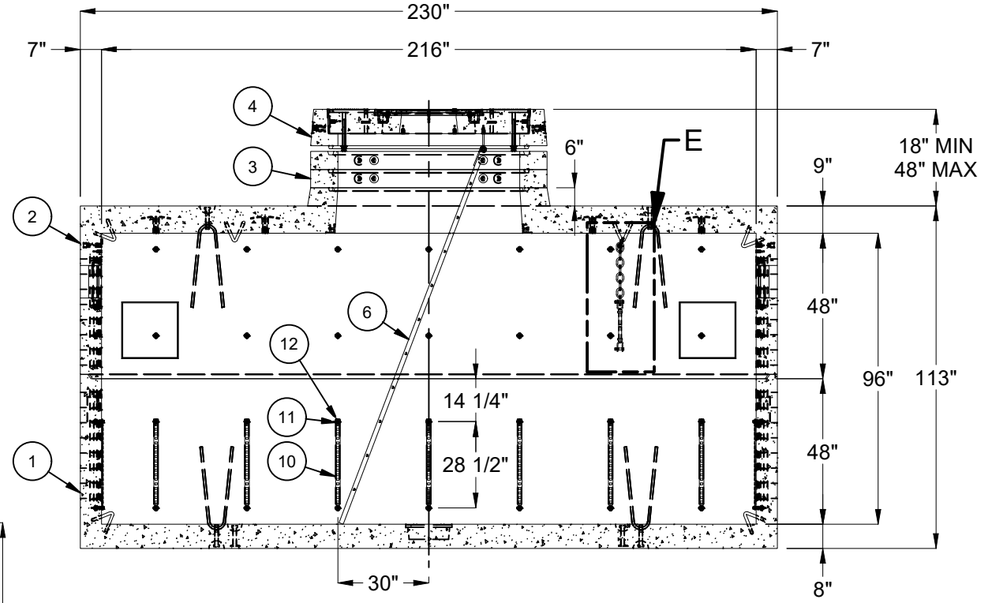
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DESCRIPTION: Vault Layout 84216x96 Terminators Sump 30"E Moreno Valley MVEU-730B-0 LAYOUT REVIEW			REV: A-2
PART NUMBER:	200103276	DRAWN BY:	H. Earle
CREATED:	7/7/2025	MODIFIED:	7/9/2025
			SHEET: 1 OF 2

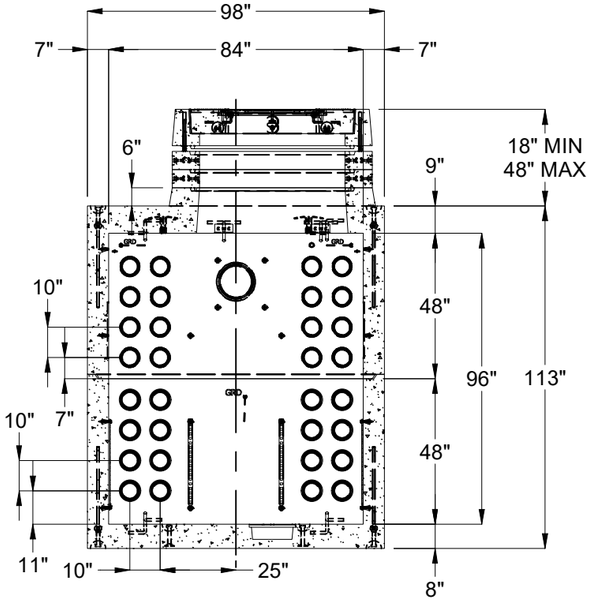
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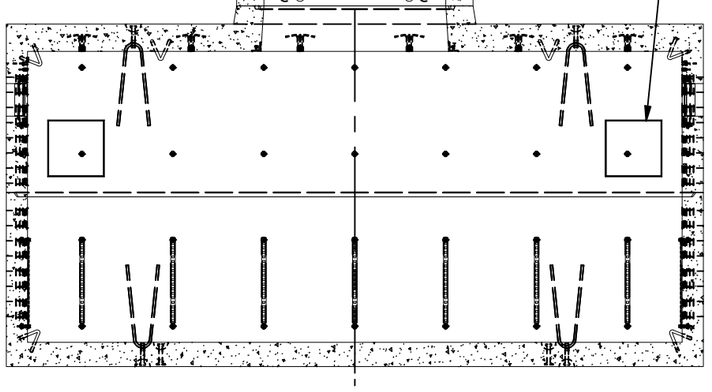
PLAN VIEW



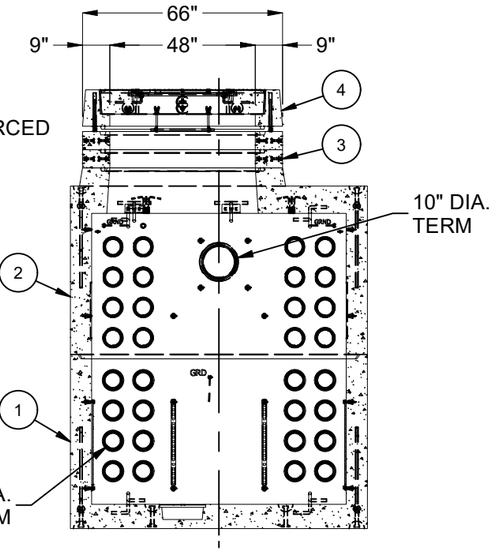
SECTION A-A



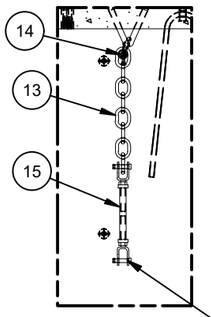
SECTION B-B



SECTION C-C



SECTION D-D



DETAIL E

BURY DEPTH:	1.5' - 4.0' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	74300.36 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	Moreno Valley	AGENCY SPEC:	MVEU-730B-0

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DESCRIPTION:
Vault Layout 84216x96 Terminators Sump 30"E Moreno Valley MVEU-730B-0
LAYOUT DRAWING

PART NUMBER:	200103276	DRAWN BY:	H. Earle
CREATED:	7/7/2025	MODIFIED:	7/9/2025

REV: A-2
SHEET: 2 OF 2

200103276.idw