

DESIGN NOTES

- DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 6,000 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #34462.
- COVER DESIGN FOR HS20 TRAFFIC LOADING
- MINIMUM EXCAVATION SIZE: 7' 6" X 11' 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.
- EXTERIOR SURFACES OF STRUCTURE(S) SHALL BE COATED WITH IMRAE COATMASTERS 7007.
- STRUCTURES TO BE STENCILED, "JENSEN PRECAST", WITH "TIME" AND "DATE OF POUR", AND SDGE STOCK NUMBER ON EXTERIOR AND INTERIOR WALLS.
- STENCIL "GND" IN RED LETTERS
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

CROSS REFERENCE	
JENSEN PART No.	SHORT DESCRIPTION
100012194	3316 66" Base section
200043588	3316 Intermediate 12"
200070233	3316 HS20 Traffic Loading
200070232	3316 Traffic Neck
200074166	3316 Complete

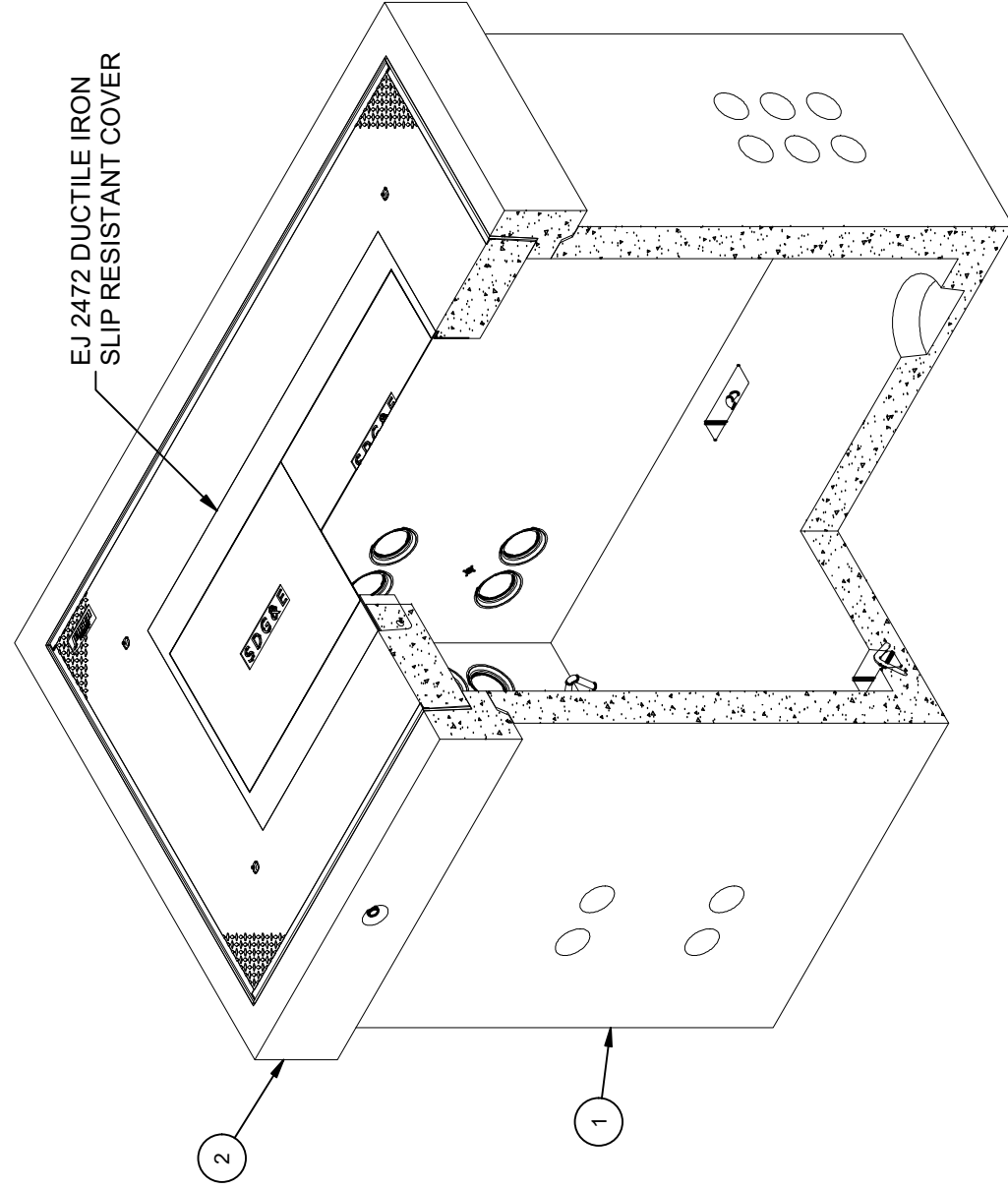
JENSEN PART No.	SDGE STOCK No.
100012194	S248174
200043588	S336208
200070233	S400326
200070232	S248166
200074166	S400330

LIFTING NOTES

- INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 6,000 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 LIFTING POINTS AT A MINIMUM 60° SLING ANGLE, MEASURED FROM HORIZONTAL.
- | | |
|-----------------|-----------------------|
| BURY DEPTH: | 0.0' - 0.0' to Top |
| WATER LEVEL: | 3.0' |
| DESIGN SPEC: | ACI 318, ASTM C857 |
| AGENCY: | SDGE |
| APPROX. WEIGHT: | 23198.81 Lbs |
| LOADING SPEC: | A-16 (AASHTO HS20-44) |
| AGENCY SPEC: | 3316 |

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	MASS (lb)
1	1	1	100012194	Vault 60102x66 Rect. Bottom Section Terminators Sump SDGE 3316	15668
2	1	1	200074166	Vault Neck and Plug Cover 60102x12 Assembly 24"x72"C SDGE 3316	7531
3	7.250 gal	7.250 gal	100038043	COATING WATERPROOFING CoatMasters CM7007 IMRAE	
4	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	



ISO VIEW

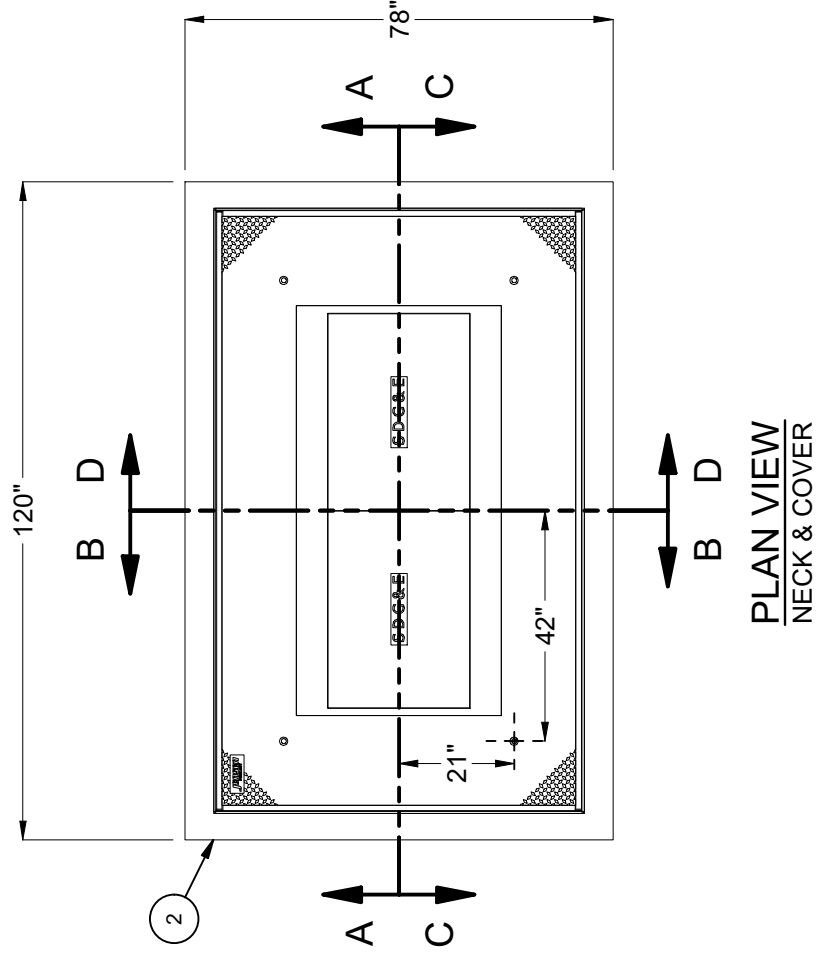
REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
B-3	REMOVED SIDE & END INSERTS FROM PLUG	10/10/2023	

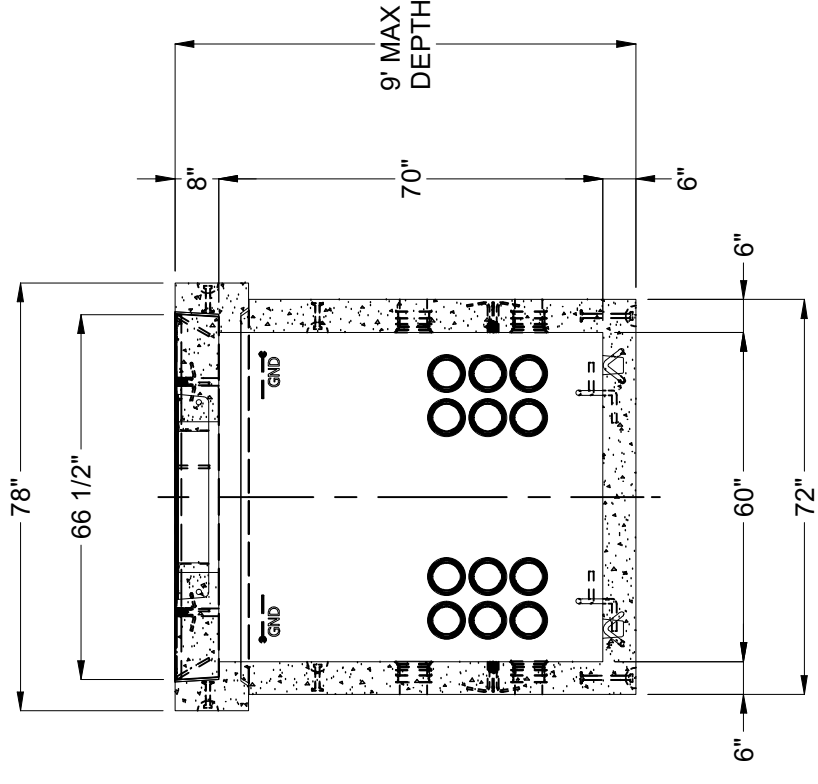
DESCRIPTION:	Vault 60102x70 Layout Assembly 24"x72"C SDGE 3316 Ext. Coating - IMRAE CoatMasters CM7007
PART NUMBER:	200074166
CREATED:	3/27/2023
REV:	B-3
SHEET:	37
1 OF 2	
DRAWN BY:	J. Prado
MODIFIED:	10/10/2023

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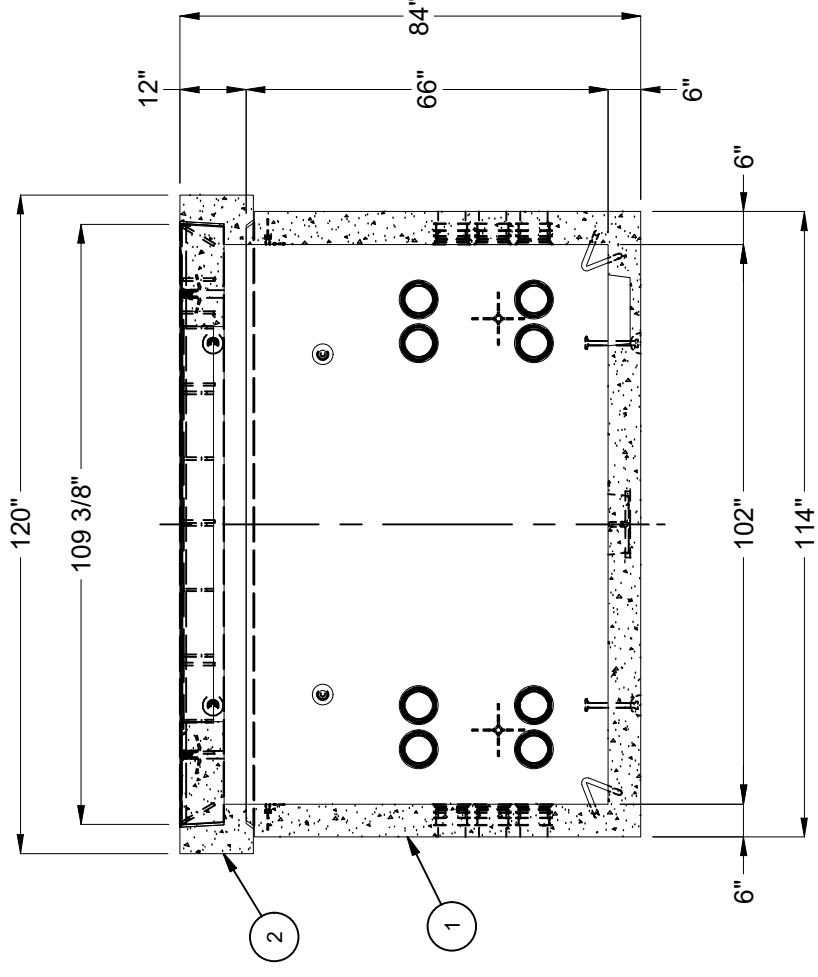
JENSEN PRECAST EST. 1968
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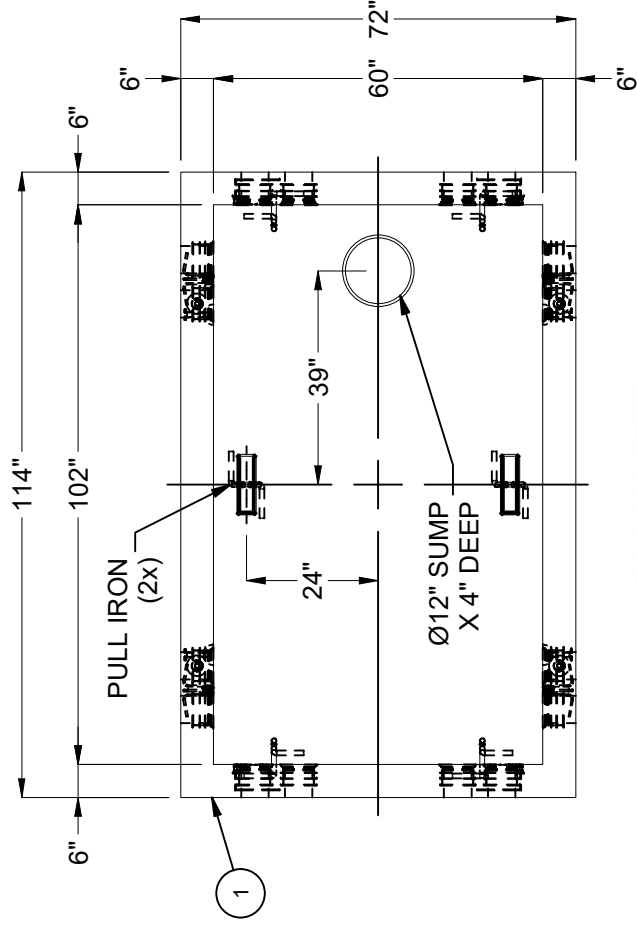
PLAN VIEW
NECK & COVER



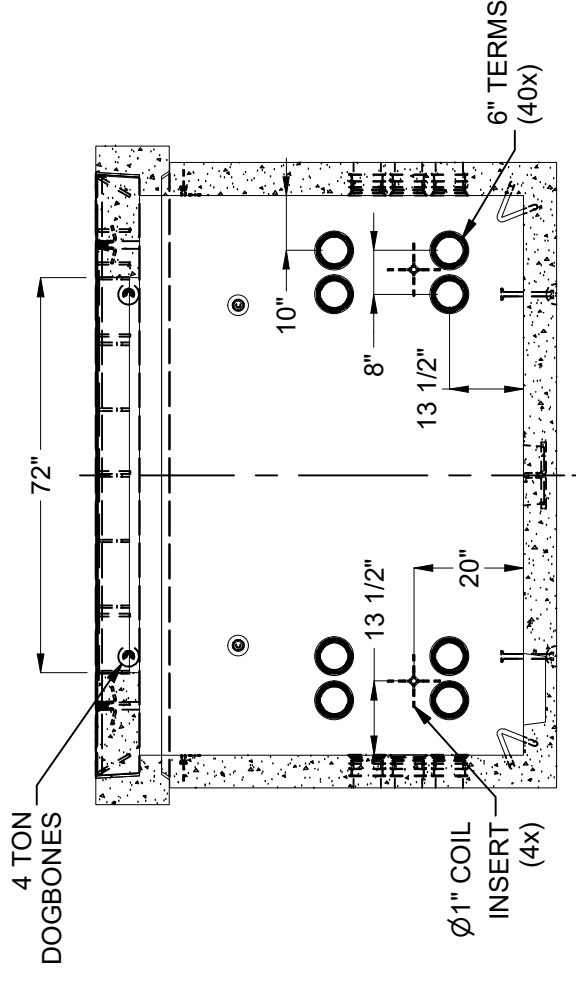
SECTION B-B



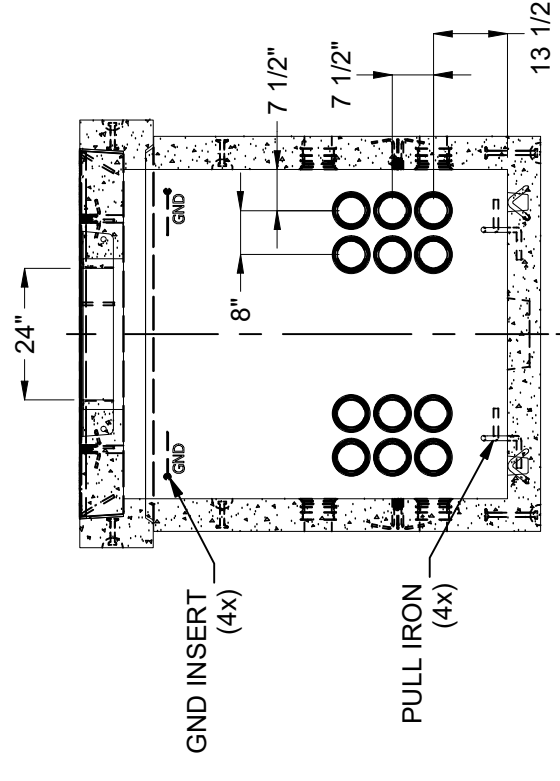
SECTION A-A



PLAN VIEW
ENCLOSURE W/O NECK & COVER



SECTION C-C



SECTION D-D

BURY DEPTH:

WATER LEVEL:

DESIGN SPEC:

AGENCY:

0.0' - 0.0' to Top

3.0'

ACI 318, ASTM C857

SDGE

APPROX. WEIGHT:

23198.81 Lbs

LOADING SPEC:

A-16 (AASHTO HS20-44)

AGENCY SPEC:

3316

DESCRIPTION:

Vault 60102x70 Layout Assembly 24"x72"C SDGE 3316 Ext. Coating - IMRAE CoatMasters CM7007

LAYOUT DRAWING

DRAWN BY:

J. Prado

MODIFIED:

10/10/2023

REV:

B-3

SHEET:

2 OF 2

CREATED:

3/27/2023

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