DESIGN NOTES:

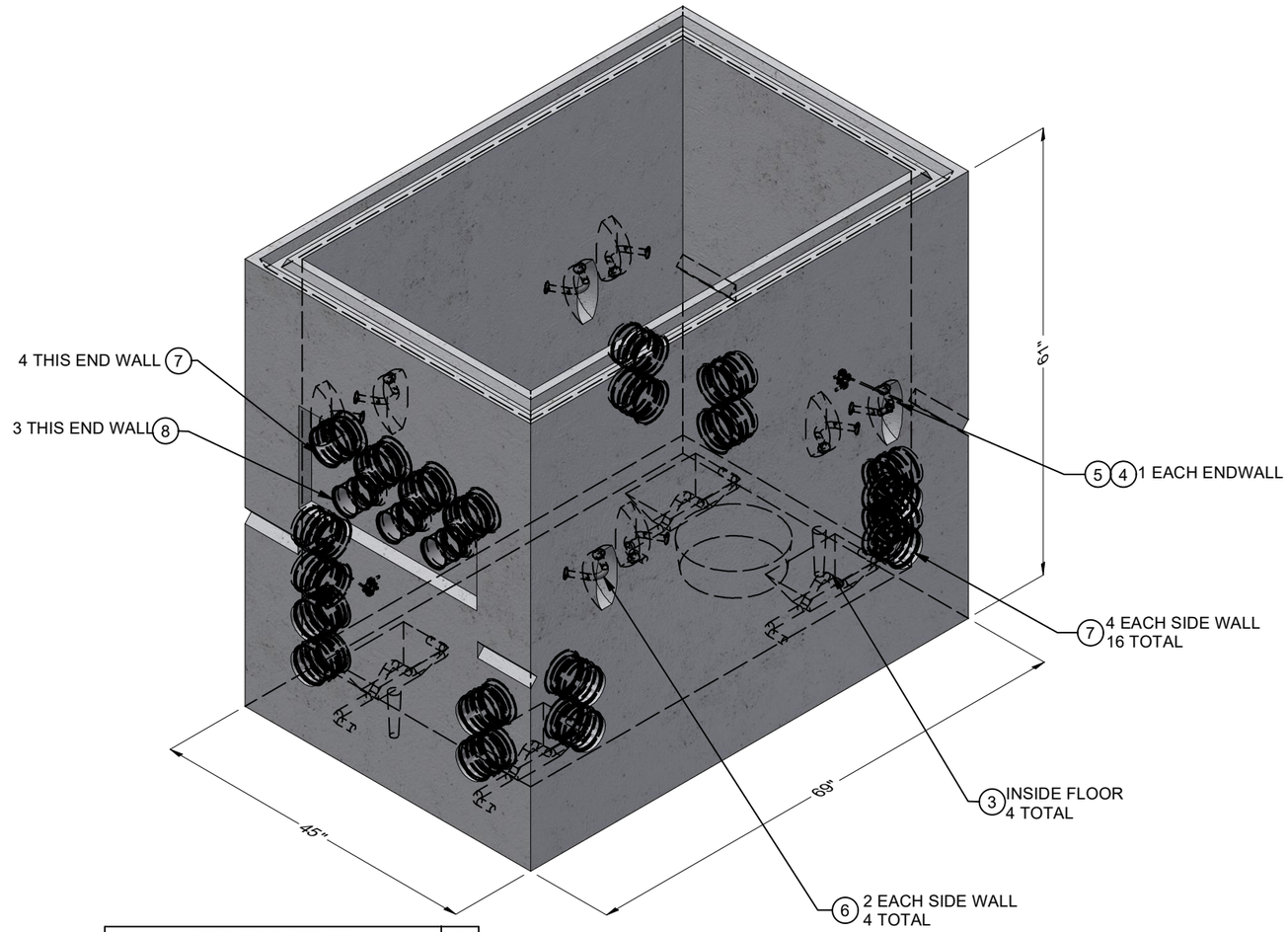
- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI
- SOIL UNIT WEIGHT DRY - 110 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE DRY - 66 lbs/cu.ft.
- SOIL UNIT WEIGHT WET - 120 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE WET - 94 lbs/cu.ft.

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 - NONE

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	39.855 ft^3	39.855 ft^3	100011425	CONCRETE MIX GENERIC 5000 PSI
2	1	1	300121397	REINFORCING MAT 300121397
3	1	4	100004660	PULL IRON OFFSET B783519 3.5H X 19L X.875DIA GALV
4	1	2	100024063	GROUND CLAMP BRONZE 1/2-1 BLACKBURN TYPE J
5	1	2	100005932	INSERT GROUND BRONZE BOTTLE ROCKET 1/2-13 UNC WITH 11IN COPPER ROD 12H69 W/0.25 ORANGE TOGGLE INSERT
6	1	8	100004878	ANCHOR UTILITY .671DIA 5-SLAB GALV P75 5UA671
7	1	20	100003015	TERMINATOR DUCT WITH SEAL 4.5IN T4501
8	1	3	100007286	TERMINATOR DUCT WITH SEAL 3IN T3001

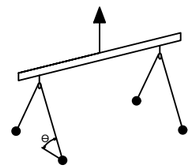


ISO REF

200021398.idw

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



CHANGE HISTORY			
NO.	DESCRIPTION	DATE	BY
1	INITIAL DRAWING 1905-17329-NCA	5-23-19	EDC
2	REVISED CAGE DRAWING	02-19-20	APS
3	ADDED ADDITIONAL LIFTERS PER PG&E REQUEST	08-18-21	APS
4	UPDATED CONCRETE TEXTURE	3-6-26	KMM
5	SWAPPED SHORT TERM WITH REG	5/28/26	AB

BURY DEPTH:	0.0' - 3.5' to Top		
WATER LEVEL:	2.0'	APPROX. WEIGHT:	6219.35 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	A-Anchor

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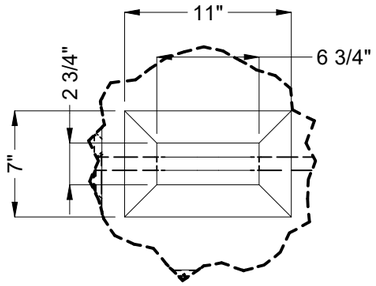
DESCRIPTION:
Vault 3660x54 Rect. Bottom Section Terminators Sump PG&E 04-3588
CASTING LAYOUT

REV: D-5-1

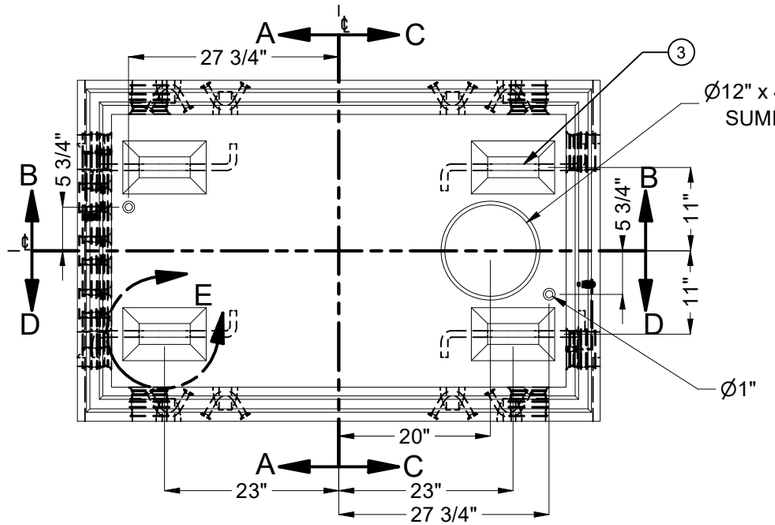
SHEET: 1 OF 2

PART NUMBER:	200021398	DRAWN BY:	A.Sprung
CREATED:	5/23/2019	MODIFIED:	5/28/2026

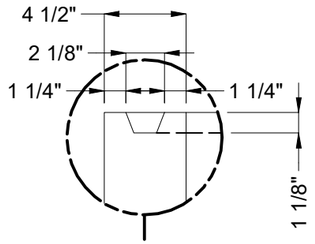
FEATURES		
ID	DESCRIPTION	QTY
A	26"(X) x 12"(Y) x 1" Deep Recess	1
B	7"(X) x 12"(Y) x 1" Deep Recess	8

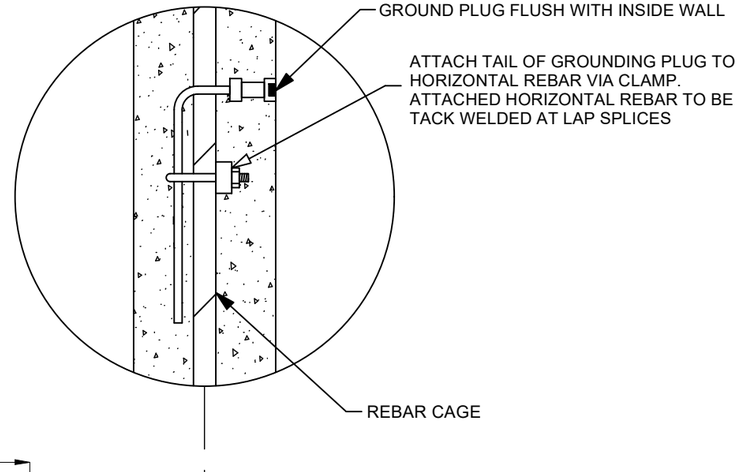


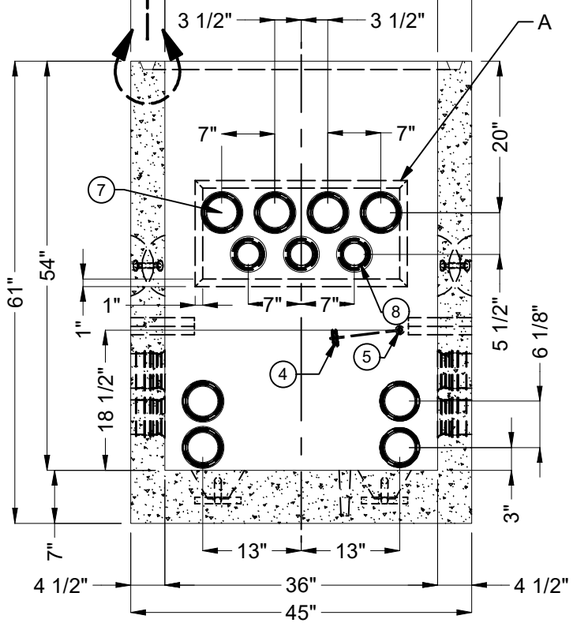
DETAIL E



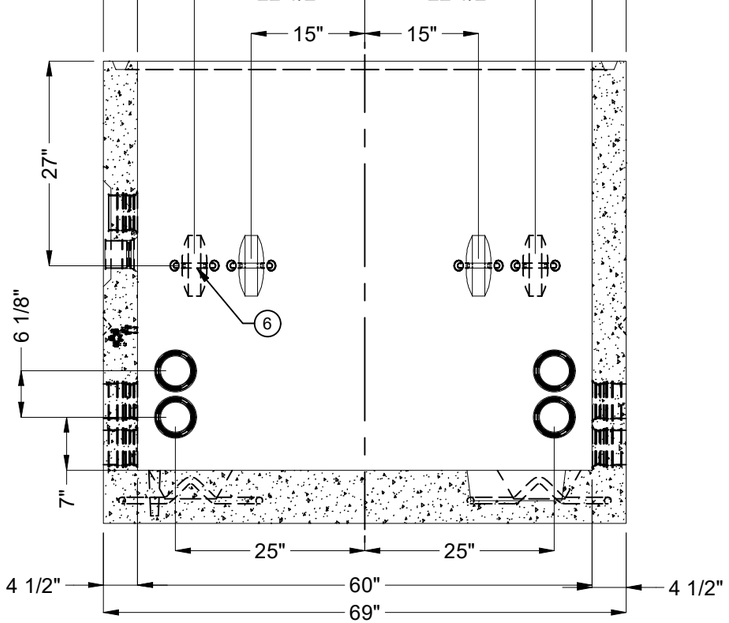
PLAN VIEW



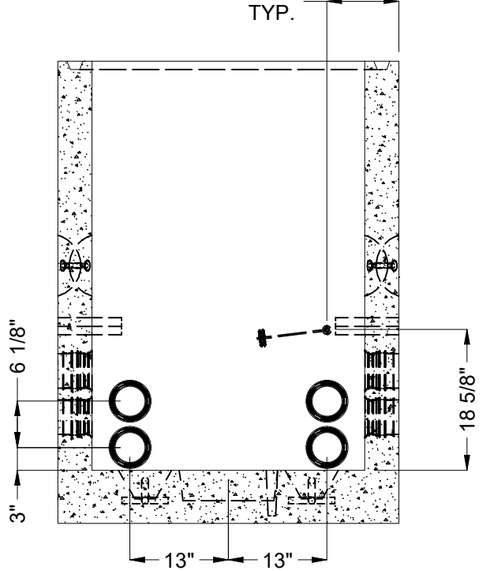




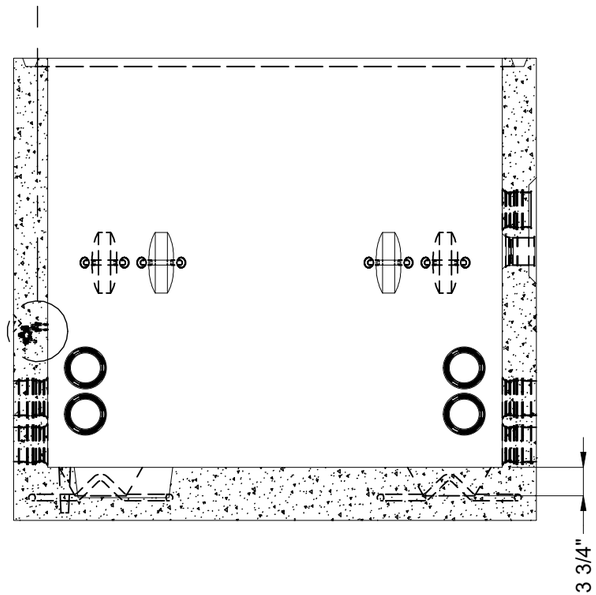
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BURY DEPTH:	0.0' - 3.5' to Top		
WATER LEVEL:	2.0'	APPROX. WEIGHT:	6219.35 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	A-Anchor

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DESCRIPTION:	Vault 3660x54 Rect. Bottom Section Terminators Sump PG&E 04-3588 CASTING DRAWING		REV: D-5-1
PART NUMBER:	200021398	DRAWN BY:	A.Sprung
CREATED:	5/23/2019	MODIFIED:	5/28/2026
			SHEET: 2 OF 2

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