DESIGN NOTES:

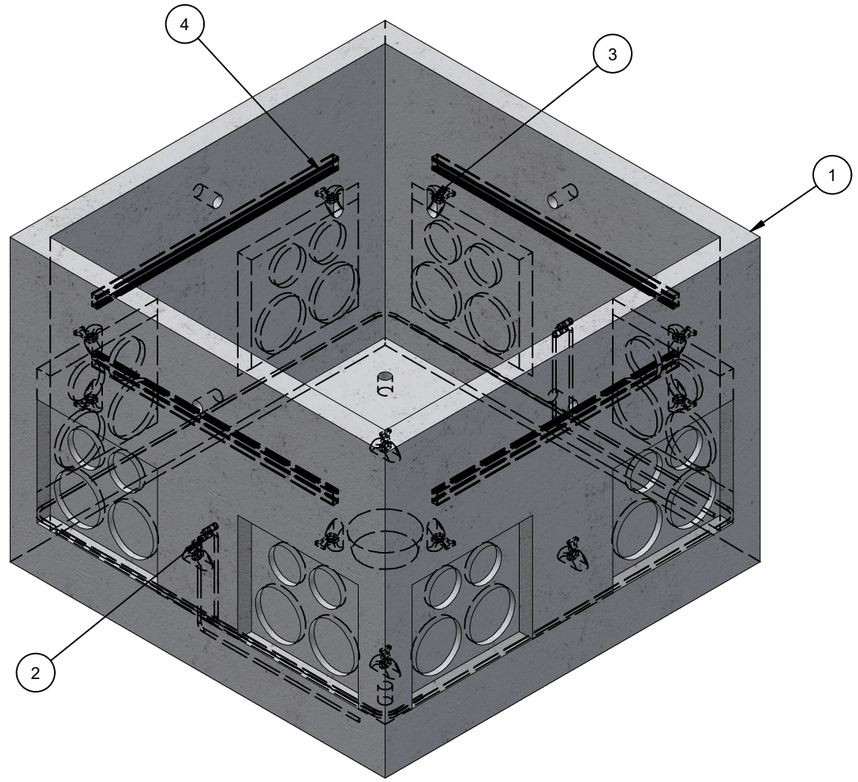
- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 7000 PSI
- SOIL UNIT WEIGHT DRY - 110 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE DRY - 40 lbs/cu.ft.
- SOIL UNIT WEIGHT WET - 120 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE WET - 80 lbs/cu.ft.

PRODUCTION NOTES:

- THIS PRODUCT SHALL ONLY BE PRODUCED IN A JENSEN INFRASTRUCTURE 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	19.459 ft^3	19.459 ft^3	100011429	CONCRETE MIX GENERIC 7000 PSI
2	1	4	100044243	GROUND INSERT BOTTLE ROCKET 1/2-13 BRONZE w/ 90DEG 0.375x36" STEEL ROD
3	1	12	100042227	ANCHOR RAPID LIFT TECH 2.5T CLUTCH 2.4375IN LONG MB RL-25 GALV
4	36.0000 in	144.0000 in	100022114	STRUT C-CHANNEL 13/16 X 1-5/8 16GA SOLID GALV SHALLOW W-400/P4000
5	1	1	300153823	REINFORCING MAT 300153823



ISO LAYOUT

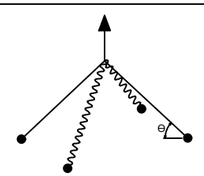
200051352.idw

LIFTING NOTES

■ THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 2 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* **B**



BURY DEPTH:	0.5' - 5.5' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	2966.78 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Lift Hole

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CHANGE HISTORY

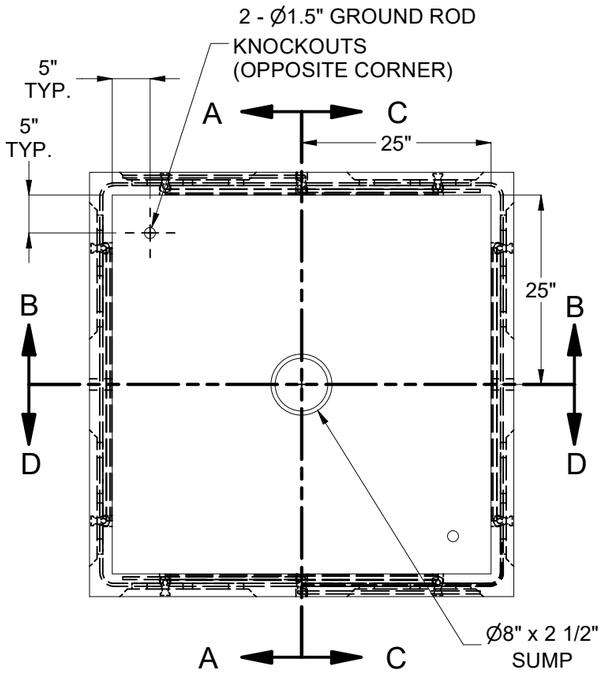
NO.	DESCRIPTION	DATE	BY
1	DRAWING CREATED	4/20/2022	E.Fine
2	LIFTERS UPDATED	1/12/2024	E.Fine
3	CONCRETE STRENGTH AND DRAWING UPDATED	3/6/2024	E.Fine
4	UPDATED CONCRETE TEXTURE	3/30/2026	A.Viveiros
5	REINFORCING DESIGN CHANGE 2610-61679-1	10-13-26	MLR

DESCRIPTION:
Vault 5050x38 Rect. Bottom Section Knockout Sump Tacoma Power 21165
CASTING LAYOUT

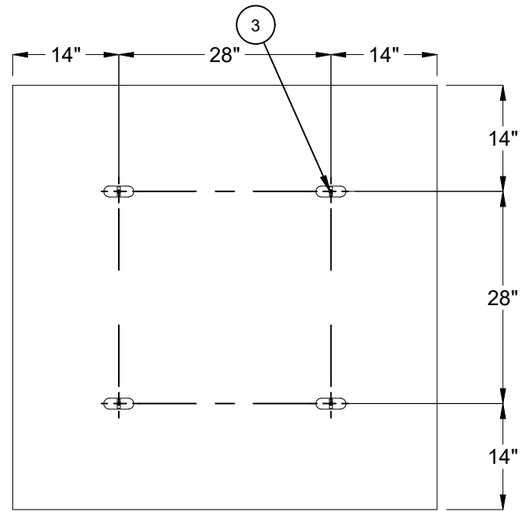
REV: D-1

PART NUMBER:	200051352	DRAWN BY:	MLR
CREATED:	3/29/2021	MODIFIED:	10/13/2026

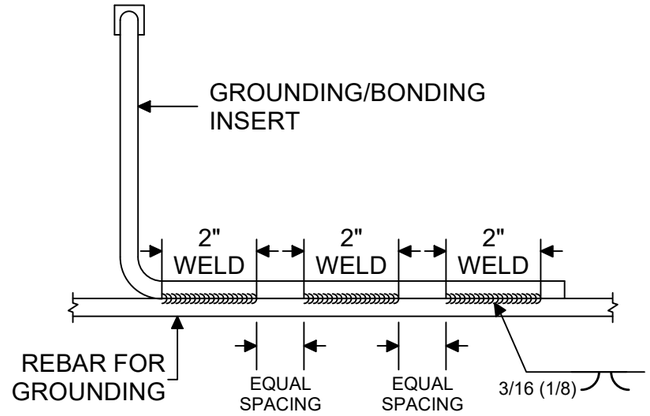
SHEET: 1 OF 2



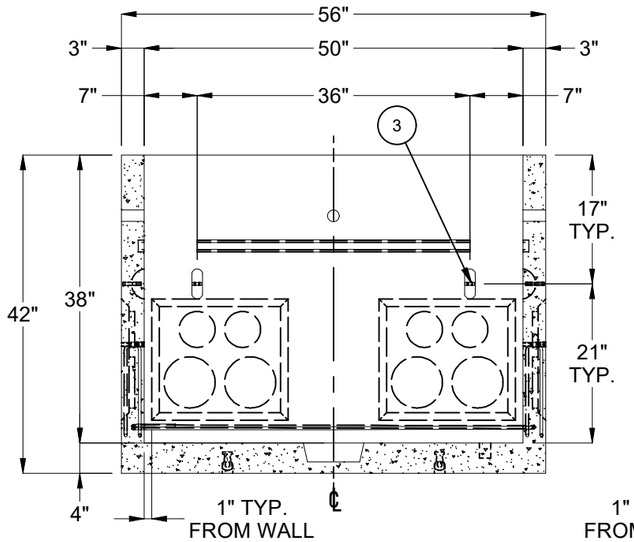
PLAN VIEW



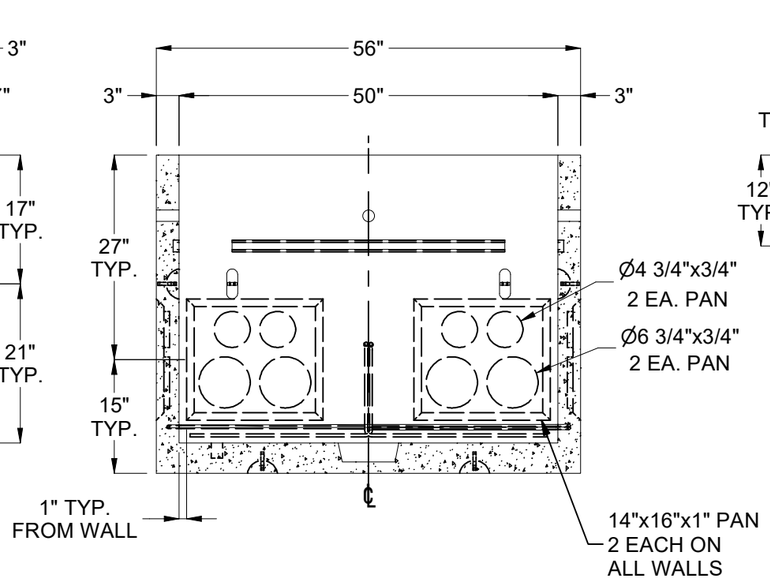
PLAN VIEW
(SHOWING DEMOLDING LIFTERS)



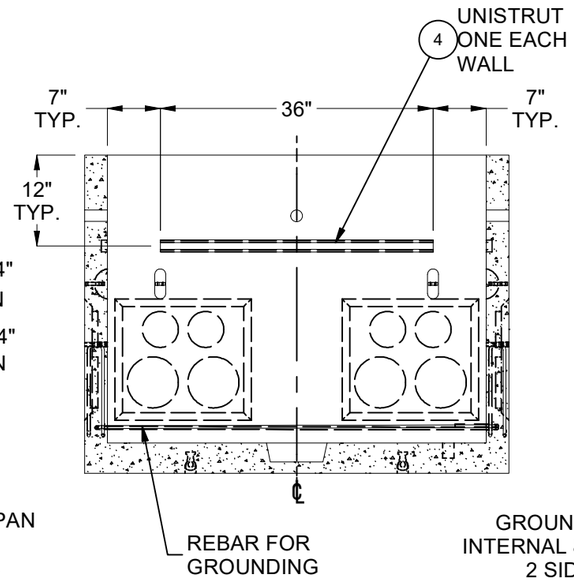
DETAIL 1



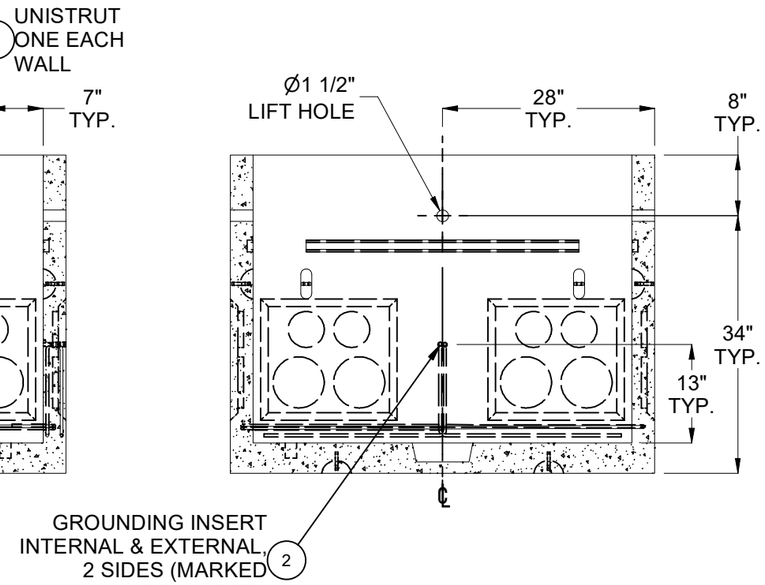
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BURY DEPTH:	0.5' - 5.5' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	2966.78 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Lift Hole

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DESCRIPTION:	Vault 5050x38 Rect. Bottom Section Knockout Sump Tacoma Power 21165 CASTING DRAWING		REV: D-1
PART NUMBER:	200051352	DRAWN BY:	MLR
CREATED:	3/29/2021	MODIFIED:	10/13/2026
			SHEET: 2 OF 2

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