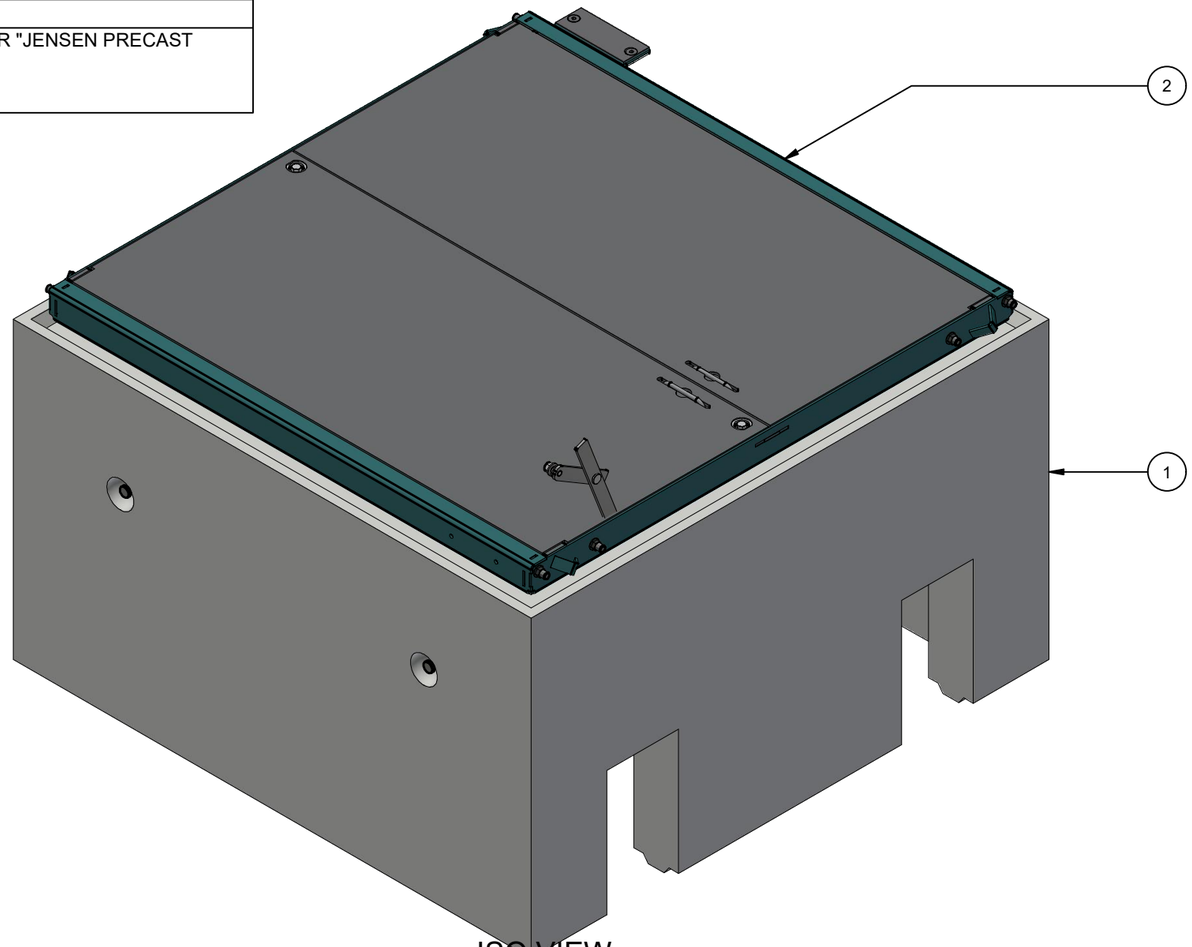
DESIGN NOTES
■ COMFORMS TO SOUTHWEST GAS AGENCY SPECIFICATIONS
■ ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5,000 PSI.
■ REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60 OR ASTM A706 GRADE 60.
■ EQUIVALENT AREA WELDED WIRE REINFORCING CAGES MAY BE UTILIZED IN LIEU OF GRADE 60 REBAR.
■ WELDED WIRE REINFORCING SHALL 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 DRY – 120 lbs/cu.ft
■ EQUIVALENT LATERAL EARTH PRESSURE WET: 80 lbs/cu.ft.
■ UNLESS OTHERWISE NOTED OR SPECIFIED THE STRUCTURE SHALL 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
1	1	100005425	Intercept Riser 4848x33 Opening	2831.631 lbmass
2	1	100001502	CAS2-4848-AH4-DP-G-CL-OH06	565.779 lbmass

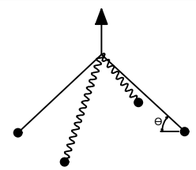


ISO VIEW

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LIFTING NOTES
■ THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT WITH LIFT CONNECTIONS EQUALLY LOADED TO LIFTING POINTS AT A MINIMUM ° 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



CHANGE HISTORY			
NO.	DESCRIPTION	DATE	BY
1	PRELIMINARY SUBMITTAL 2402-56580	3/12/2024	EDC
2			
3			

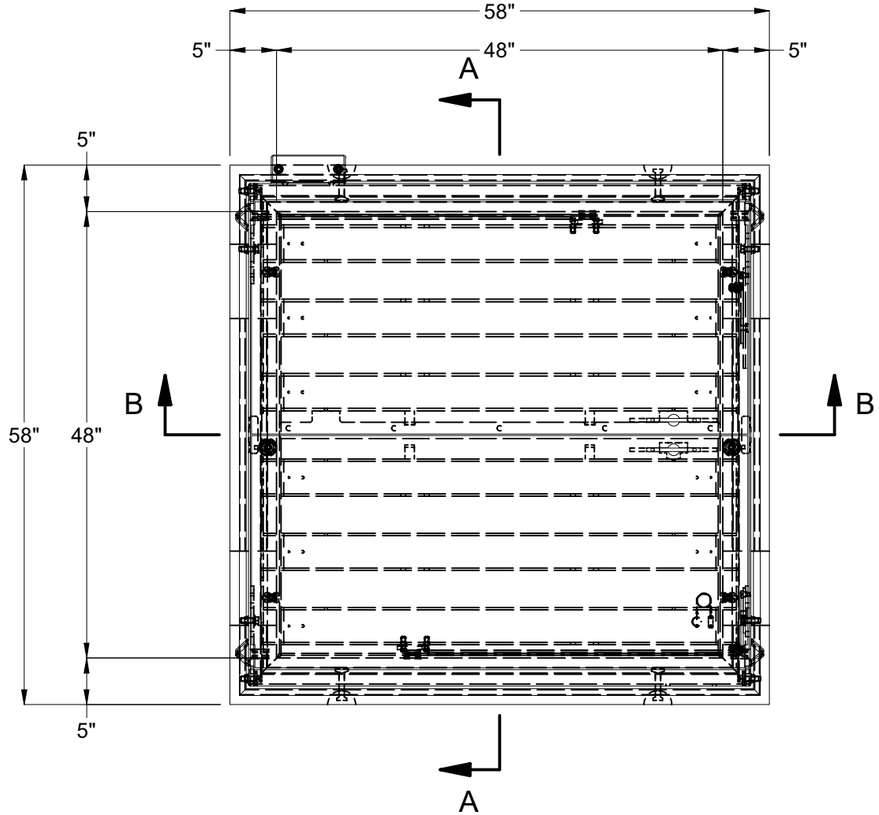
BURY DEPTH:	0.0' - 0.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	3399.05 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	Southwest Gas	AGENCY SPEC:	

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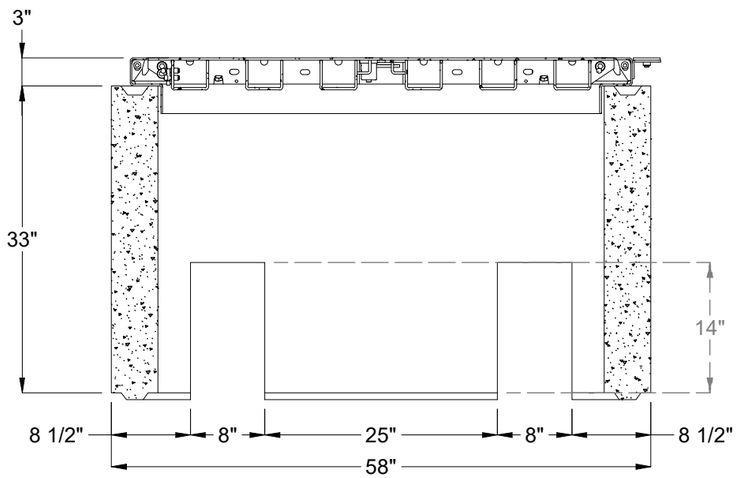
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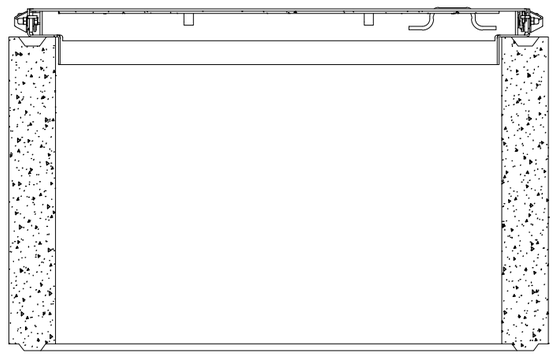
DESCRIPTION:	Intercept Vault Layout 4848x33 Mousehole 48"x48"C Southwest Gas LAYOUT REVIEW		REV: B-2
PART NUMBER:	200076326	DRAWN BY:	E CAMERON
CREATED:	6/8/2023	MODIFIED:	5/21/2024
			SHEET: 1 OF 2



PLAN VIEW



SECTION A-A



SECTION B-B

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BURY DEPTH:	0.0' - 0.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	3399.05 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	Southwest Gas	AGENCY SPEC:	

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DESCRIPTION:	Intercept Vault Layout 4848x33 Mousehole 48"x48"C Southwest Gas LAYOUT DRAWING		REV: B-2
PART NUMBER:	200076326	DRAWN BY:	E CAMERON
CREATED:	6/8/2023	MODIFIED:	5/21/2024
			SHEET: 2 OF 2