DESIGN NOTES:

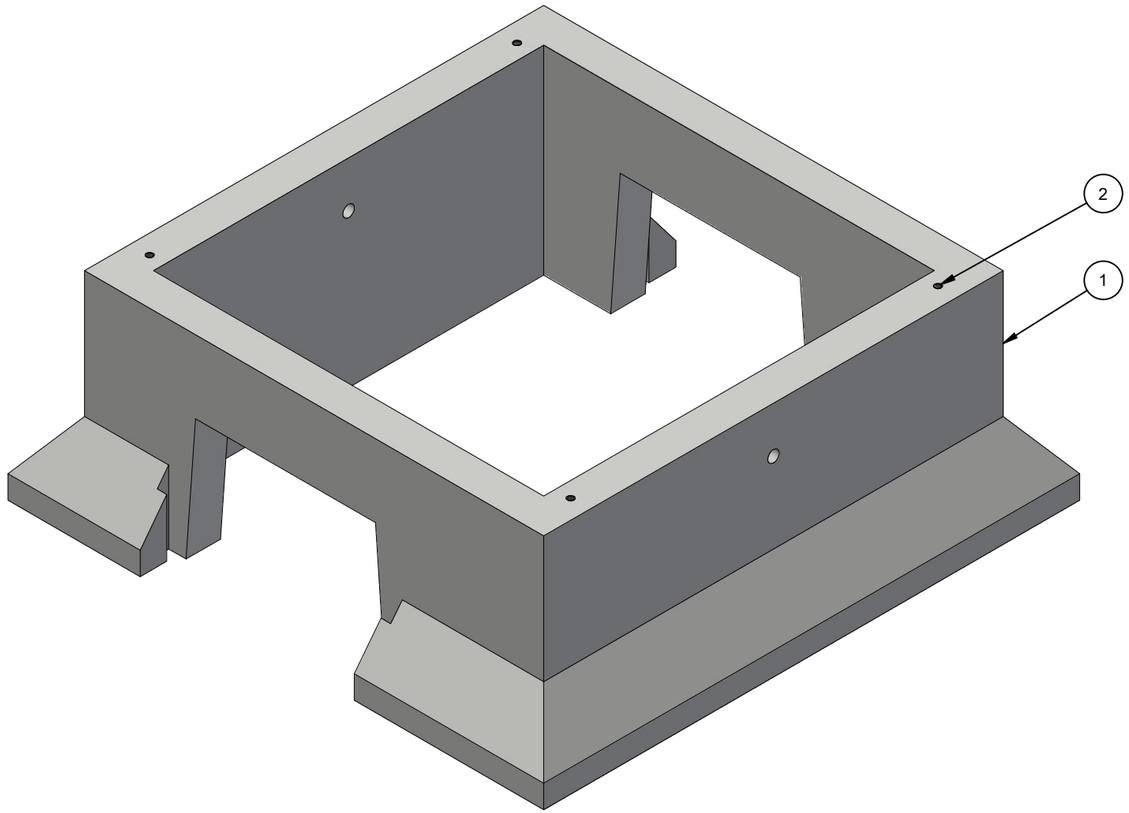
- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI
- SOIL UNIT WEIGHT DRY - 110 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE DRY - 40 lbs/cu.ft.
- SOIL UNIT WEIGHT WET - 120 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE WET - 80 lbs/cu.ft.

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	16.451 ft^3	16.451 ft^3	100011425	CONCRETE MIX GENERIC 5000 PSI
2	1	4	100039973	Insert Ferrule Loop 0.625 x 3.5" 304SS (F42 or Equiv.)
3	1	1	300153396	REINFORCING MAT 300153396
4	1	4	100042535	ANCHOR FLEET-LIFT 4T T-ANCHOR P94 FL848G DAYTON - GALV



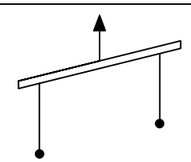
ISO VIEW

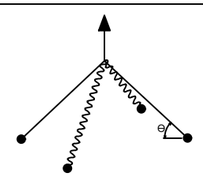
200076137.idw

LIFTING NOTES
■ INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 3000 PSI WITH 2 LIFT CONNECTIONS EQUALLY LOADED TO 2 LIFTING POINTS AT A MINIMUM 90° SLING ANGLE, MEASURED FROM HORIZONTAL.
■ DEMOLDING: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 3000 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 DIAGRAMS*

INSTALLATION	G	DEMOLDING	B





BURY DEPTH:	0.0' - 1.5' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	2495.37 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Lift Hole

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CHANGE HISTORY

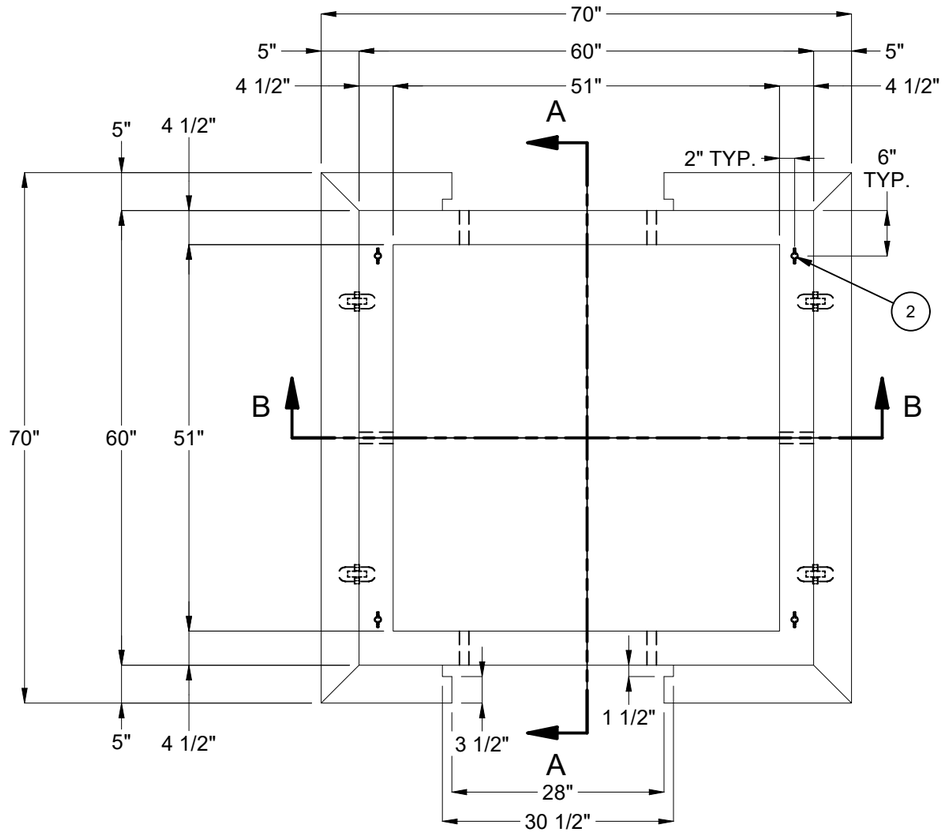
NO.	DESCRIPTION	DATE	BY
1	PRELIMINARY SUBMITTAL	6/5/2023	SD
2	REINFORCING DRAWING ADDED	7/24/2023	SD
3	ADDED DEMOLDING LIFTERS	03/18/2023	EBH

DESCRIPTION:
Vault 5151x26 Rect. Bottom Section Tacoma Water 31869
CASTING LAYOUT

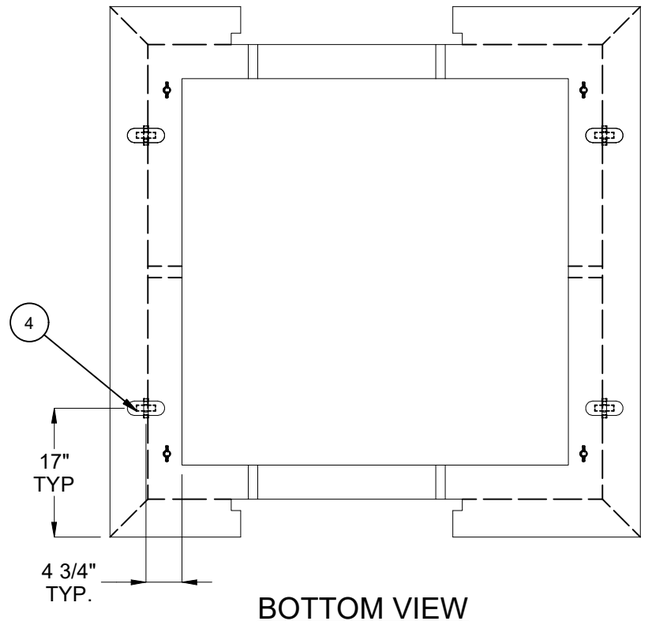
REV: A-10-1

PART NUMBER:	200076137	DRAWN BY:	S. de Lange Boom
CREATED:	6/5/2023	MODIFIED:	3/19/2025

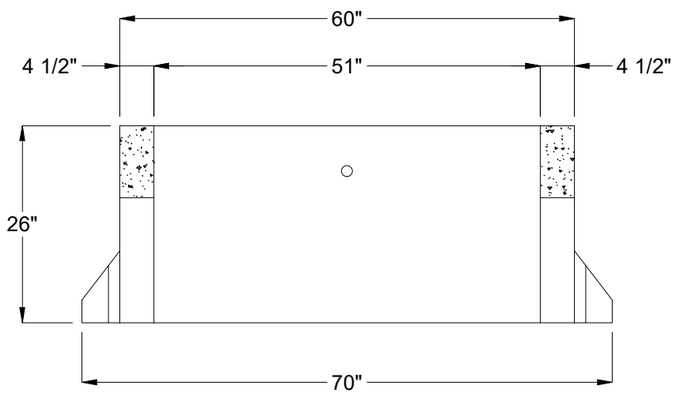
SHEET: 1 OF 2



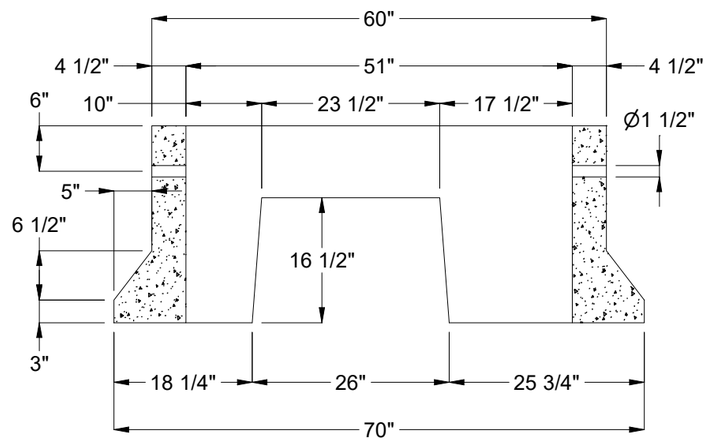
PLAN VIEW



BOTTOM VIEW
DEMOLDING



SECTION A-A



SECTION B-B

BURY DEPTH:	0.0' - 1.5' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	2495.37 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Lift Hole

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DESCRIPTION:	Vault 5151x26 Rect. Bottom Section Tacoma Water 31869 CASTING DRAWING		REV: A-10-1
PART NUMBER:	200076137	DRAWN BY:	S. de Lange Boom
CREATED:	6/5/2023	MODIFIED:	3/19/2025
			SHEET: 2 OF 2

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