DESIGN NOTES:

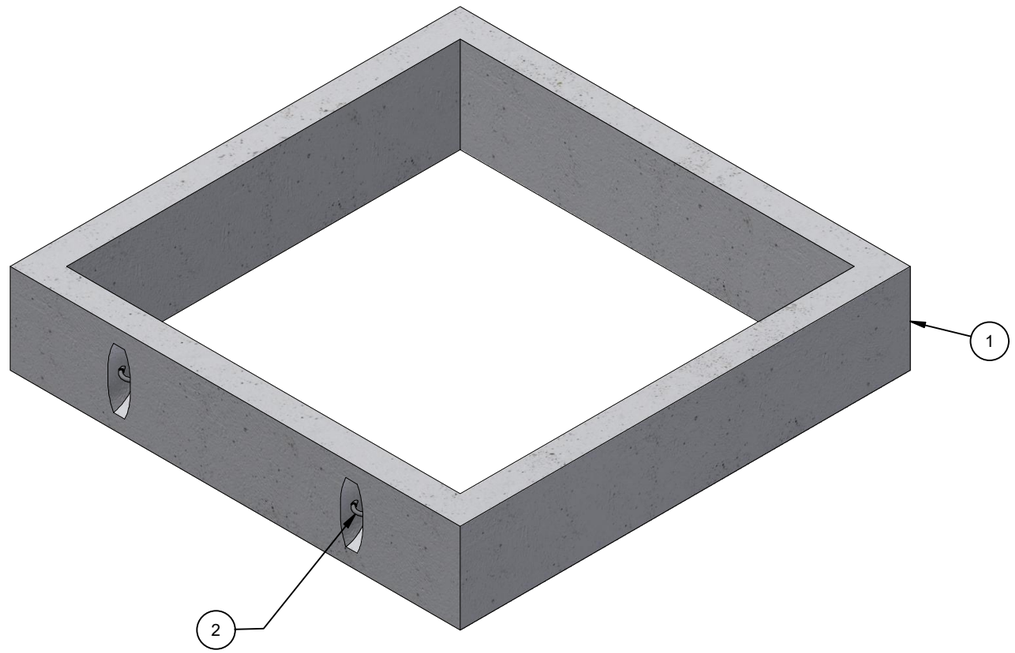
- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI
- SOIL UNIT WEIGHT DRY - 110 lbs/cu.ft.
- SOIL UNIT WEIGHT WET - 120 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE DRY - 40 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE WET - 80 lbs/cu.ft.

PRODUCTION NOTES:

- LIFTING INSERTS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS
- APPLIED FINISH - NONE
- INTERNAL LINER/COATING - NONE
- EXTERNAL LINER/COATING - NONE

BILL OF MATERIALS

ITEM	QTY	PART NUMBER	DESCRIPTION
1	6.296 ft^3	100011425	CONCRETE MIX GENERIC 5000 PSI
2	4	100007235	ANCHOR UTILITY .444DIA 4-SLAB GALV P75 4UA444
3	1	200089073	REINFORCING MAT 200089073

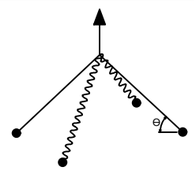


ISO REF

200089072.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:	0.0' - 5.0' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	1002.82 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	A-Anchor

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CHANGE HISTORY

NO.	DESCRIPTION	DATE	BY
1	55393-8	5-29-24	EF
2	UPDATED DIMS TO TW PROVIDED FORM	11/4/2026	JW

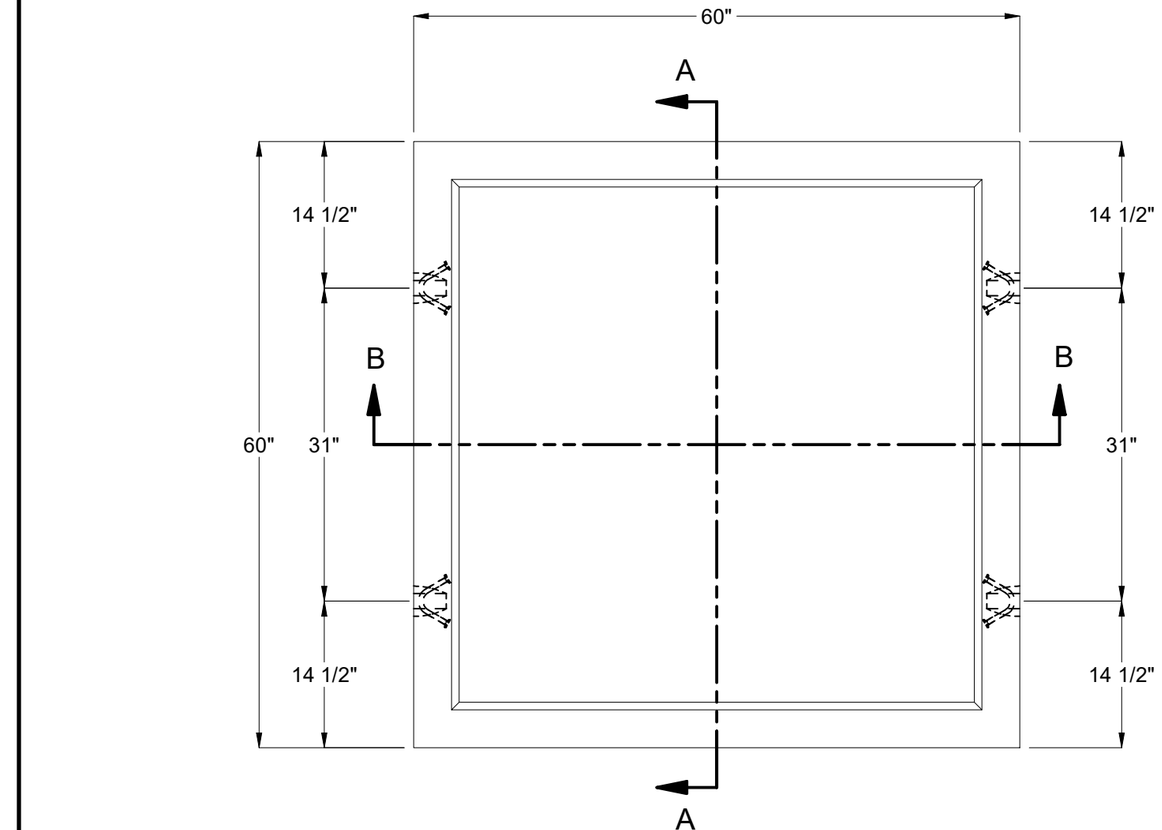
DESCRIPTION: Riser 5151x12 Tacoma Water 31871

CASTING LAYOUT

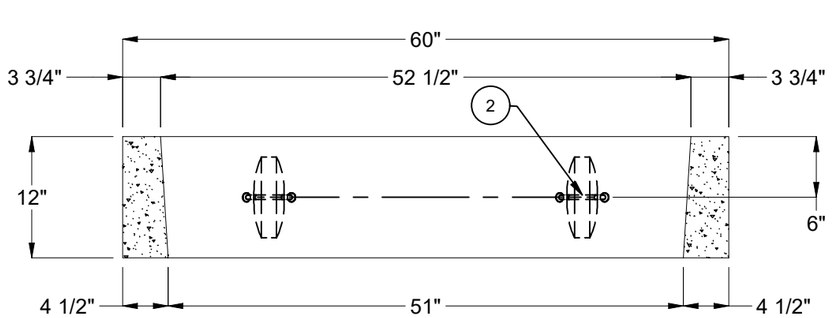
REV: B-1-1

PART NUMBER:	200089072	DRAWN BY:	MLR
CREATED:	5/29/2024	MODIFIED:	11/4/2026

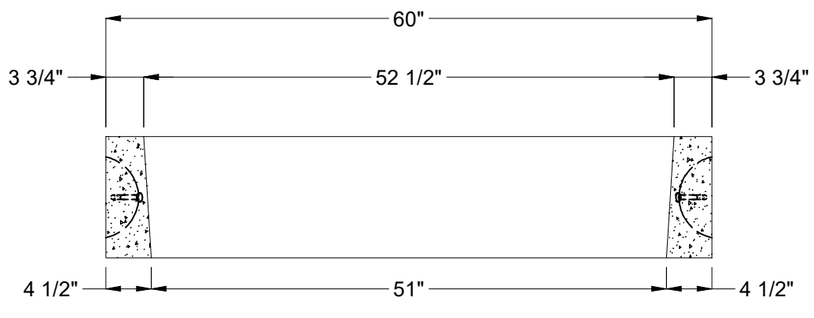
SHEET: 1 OF 2



PLAN VIEW



SECTION A-A
(OPPOSITE SIDE SIMILAR)



SECTION B-B
(OPPOSITE SIDE SIMILAR)

BURY DEPTH:	0.0' - 5.0' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	1002.82 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	A-Anchor

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DESCRIPTION:	Riser 5151x12 Tacoma Water 31871 CASTING DRAWING		REV: B-1-1
PART NUMBER:	200089072	DRAWN BY:	MLR
CREATED:	5/29/2024	MODIFIED:	11/4/2026
			SHEET: 2 OF 2

200089072.idw