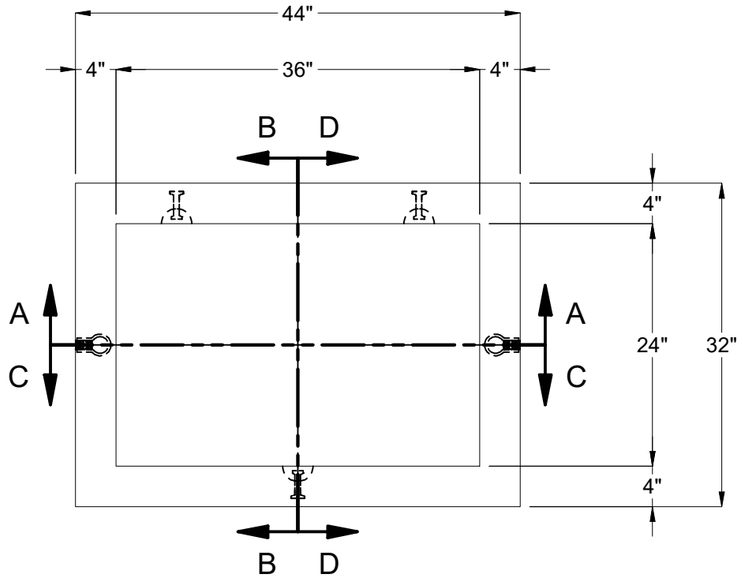
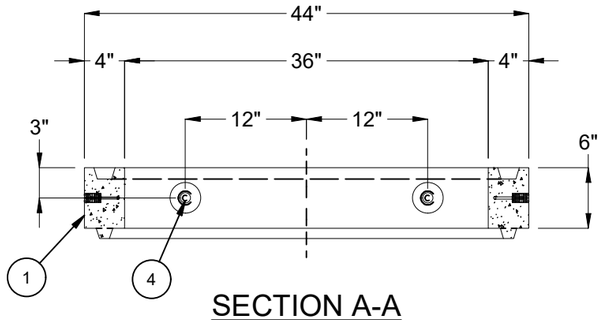
DESIGN NOTES
■ DESIGNED PER CALCS. #31602.
■ ALL PARTS TO BE STENCILED: MFG DATE / PRODUCT ID / WEIGHT.

BILL OF MATERIALS

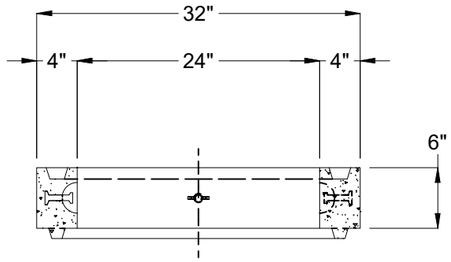
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	1.819 ft^3	1.819 ft^3	100005993	CONCRETE DRYCAST MIX
2	1	2	100002766	Insert Ferrule Loop 0.625 x 3.5" Zinc (F42 or Equiv.)
3	1	1	100017866	REINFORCING LOOP 100017866
4	1	3	100002866	ANCHOR DOGBONE P52 2T X 2-3/4" GALV



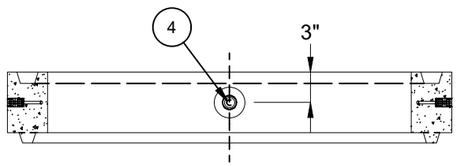
PLAN VIEW



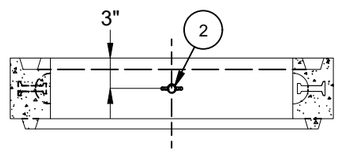
SECTION A-A



SECTION B-B



SECTION C-C

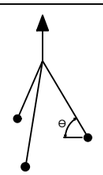


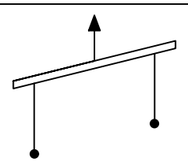
SECTION D-D

LIFTING NOTES
■ INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 5500 PSI WITH 3 LIFT CONNECTIONS EQUALLY LOADED TO 3 LIFTING POINTS AT A MINIMUM 60° SLING ANGLE, MEASURED FROM HORIZONTAL.
■ DEMOLDING: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2500 PSI WITH 2 LIFT CONNECTIONS EQUALLY LOADED TO 2 LIFTING POINTS AT A MINIMUM 90° 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	A	DEMOLDING	G





REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
D	UPDATED DOGBONES	11/5/2025	

BURY DEPTH:	3.5' - 3.5' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	274.98 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Dogbone

Infrastructure
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DESCRIPTION:	Riser 2436x6 CASTING LAYOUT		REV: D-1
PART NUMBER:	100012122	DRAWN BY:	J.Rivas
CREATED:	7/15/2019	MODIFIED:	11/5/2025
			SHEET: 1 OF 1

100012122.idw