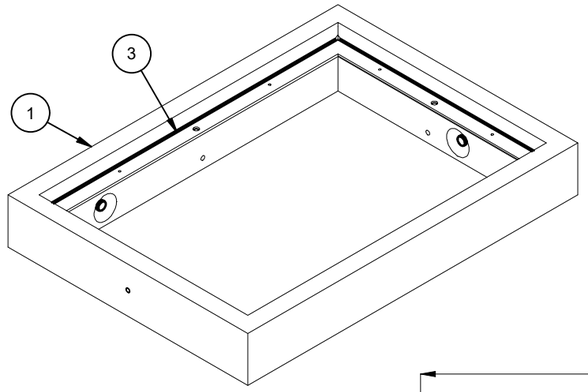
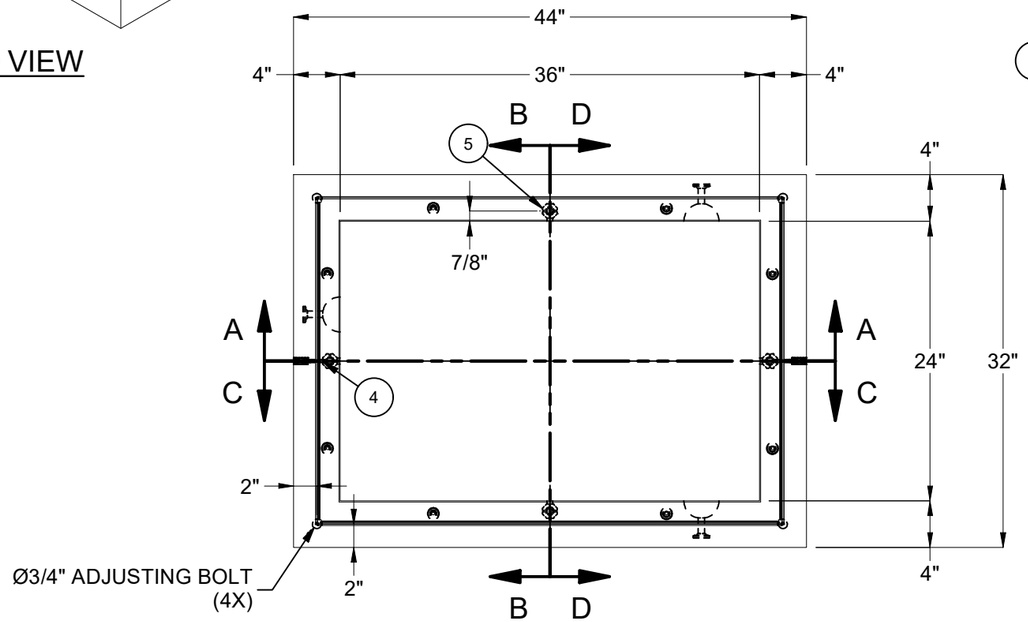
DESIGN NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #32019.
■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.

BILL OF MATERIALS

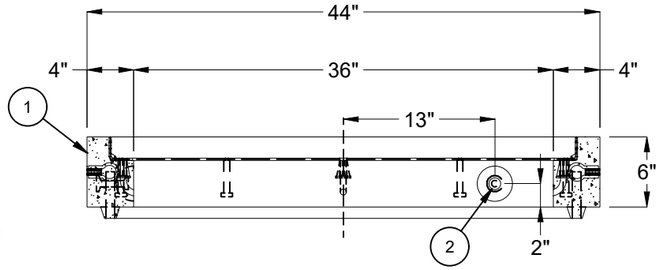
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	1.677 ft^3	1.677 ft^3	100005993	CONCRETE 5500 PSI DRYCAST
2	1	3	100002866	ANCHOR DOGBONE P52 2T X 2-3/4" GALV
3	1	1	100006680	FRAME 2436 CAST-IN GALV
4	1	2	100002776	INSERT FERRULE LOOP 3/8 X 2-3/4 SS FX-5
5	1	4	100008114	INSERT THREADED METAL 1/2-13 UNC 1-1/2 IN OPEN
6	1	1	100017866	REINFORCING LOOP 100017866



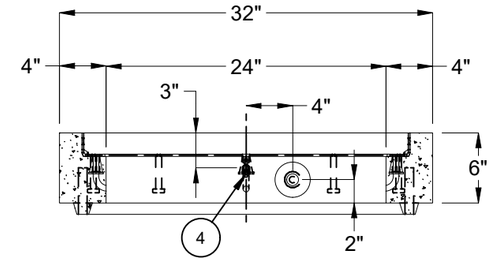
ISO VIEW



PLAN VIEW



SECTION A-A



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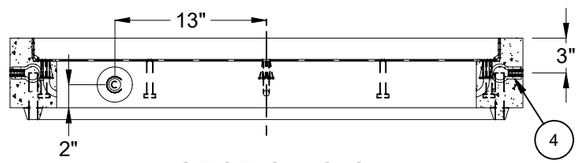
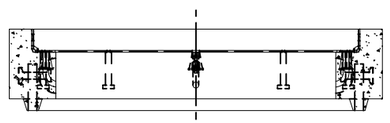
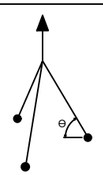
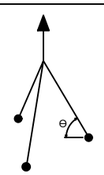


SECTION C-C



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 3 LIFT CONNECTIONS EQUALLY LOADED TO 3 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	A	DEMOLDING	A
			

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DOGBONES	10/18/2024	

BURY DEPTH:	0.0' - 0.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	286.99 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	Dogbone

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DESCRIPTION:	Top Riser 2436x6 Cast-In Frame CASTING LAYOUT	REV:	C-1
PART NUMBER:	100012127	DRAWN BY:	J. Prado
CREATED:	7/19/2019	MODIFIED:	10/18/2024
		SHEET:	1 OF 1

100012127.idw