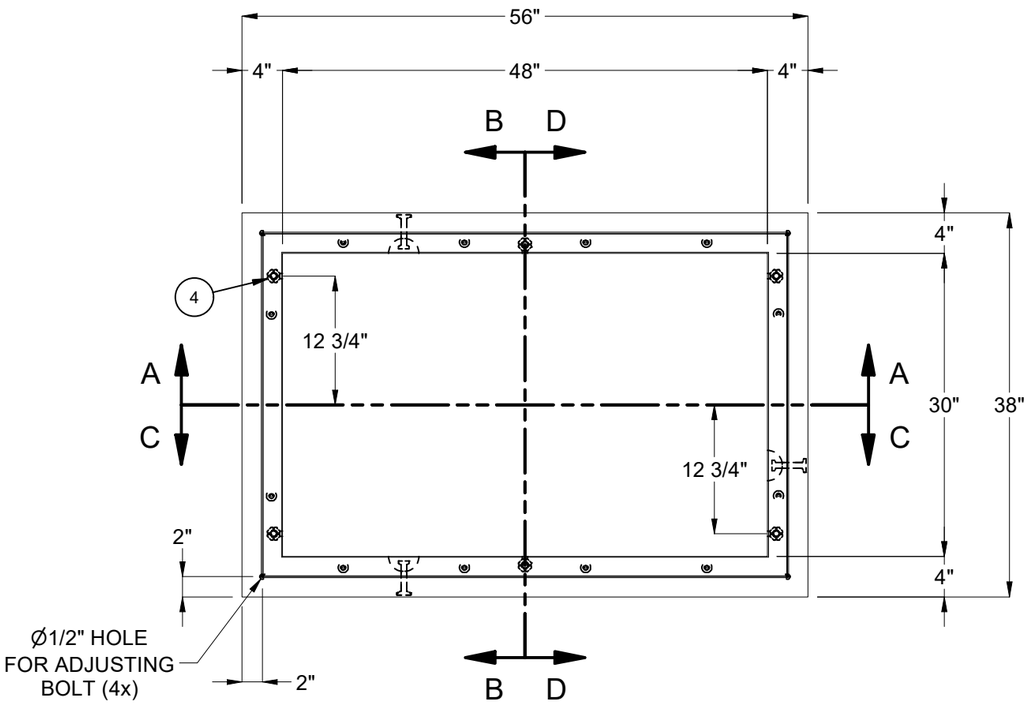
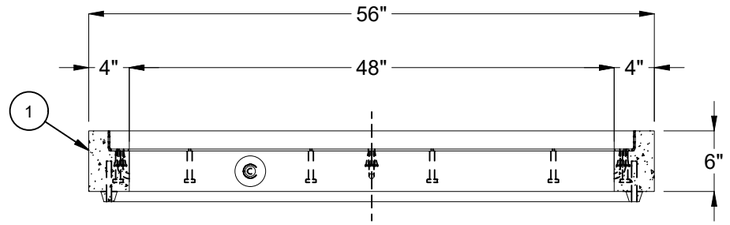
DESIGN NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #31639.
■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.

BILL OF MATERIALS

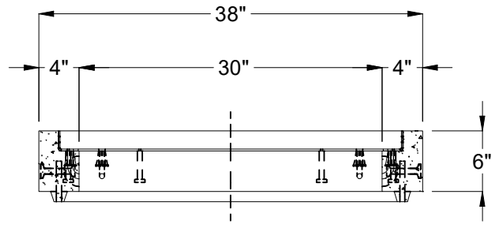
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	2.122 ft^3	2.122 ft^3	100005993	CONCRETE 5500 PSI DRYCAST MIX
2	1	3	100002867	ANCHOR DOGBONE P52 2T X 3-3/8" GALV
3	1	1	100006689	FRAME 3048 ANGLE GALV
4	1	6	100008114	INSERT THREADED METAL 1/2-13 UNC 1-1/2 IN OPEN
5	1	1	100017884	REINFORCING MAT 100017884



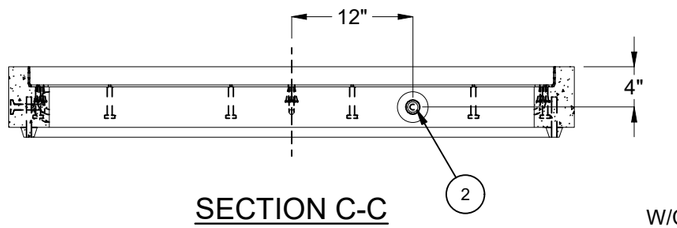
PLAN VIEW



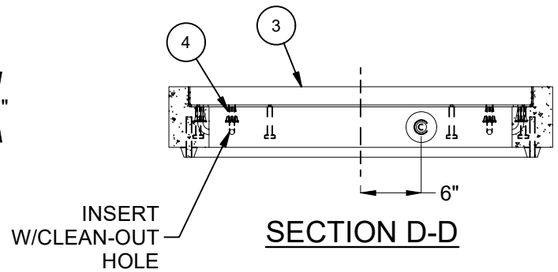
SECTION A-A



SECTION B-B

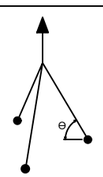
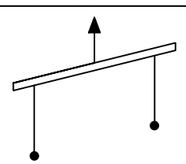


SECTION C-C



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
			

BURY DEPTH:	0.0' - 0.0' to Top
WATER LEVEL:	3.0'
WEIGHT:	356.51 Lbs
DESIGN SPEC:	ACI 318,ASTM C857
LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar
LIFTING TYPE:	Dogbone

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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
A-1	REVISED DESCRIPTION & UPDATED NOTES	4/11/2024	

DESCRIPTION:	Top Riser 3048x6 Cast-In Frame CASTING LAYOUT	REV:	A-1
PART NUMBER:	100012153	DRAWN BY:	J. Prado
CREATED:	8/1/2019	MODIFIED:	4/11/2024
		SHEET:	1 OF 1

100012153.idw