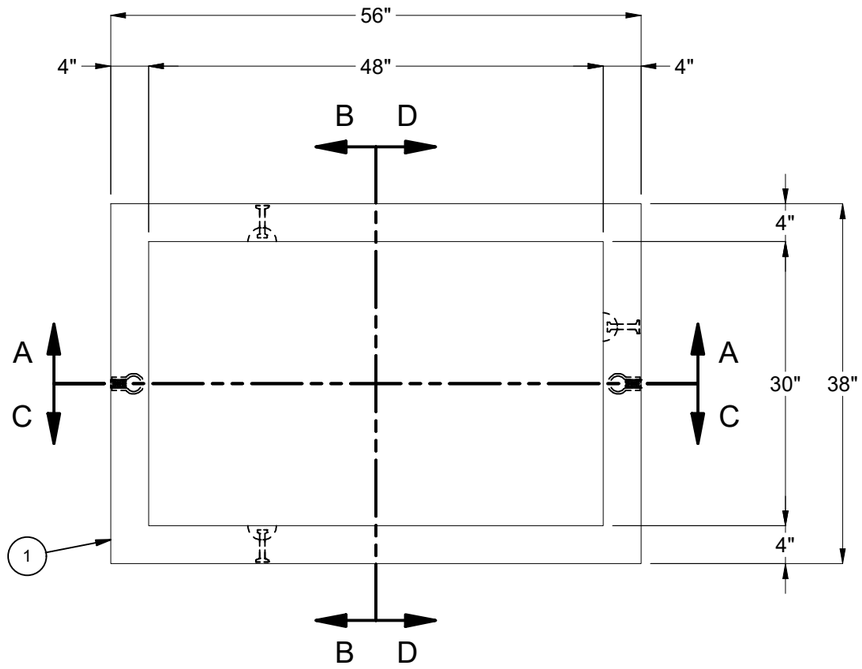
DESIGN NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #31639.
■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.

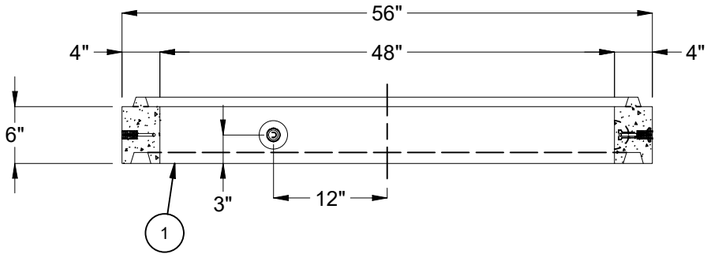
BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	2.305 ft^3	2.305 ft^3	100005993	CONCRETE 5500 PSI DRYCAST
2	1	3	100002867	ANCHOR DOGBONE P52 2T X 3-3/8" GALV
3	1	2	100002766	INSERT FERRULE LOOP 5/8 X 3-1/2 PLATED FX-5
4	1	1	300121982	REINFORCING MAT 300121982

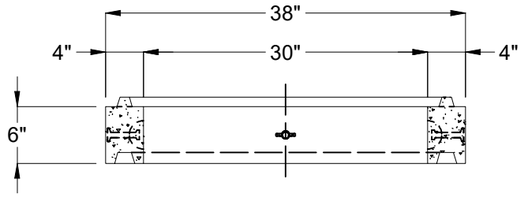
100012147.idw



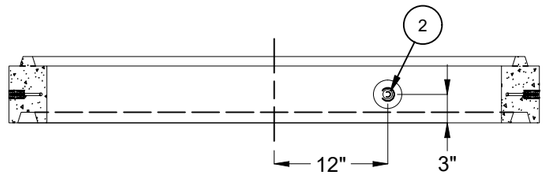
PLAN VIEW



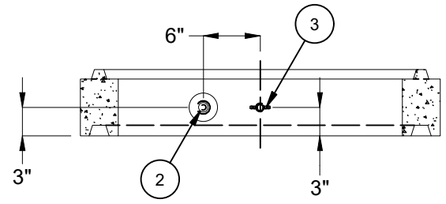
SECTION A-A



SECTION B-B



SECTION C-C

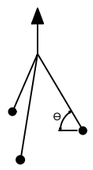


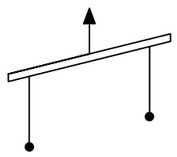
SECTION D-D

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-1	REMOVED IDENCIA TAG	4/3/2024	

BURY DEPTH:	0.0' - 4.5' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	348.06 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:	Riser 3048x6 CASTING LAYOUT		REV: D-1
PART NUMBER:	100012147	DRAWN BY:	J. Prado
CREATED:	6/8/2019	MODIFIED:	4/3/2024
			SHEET: 1 OF 1