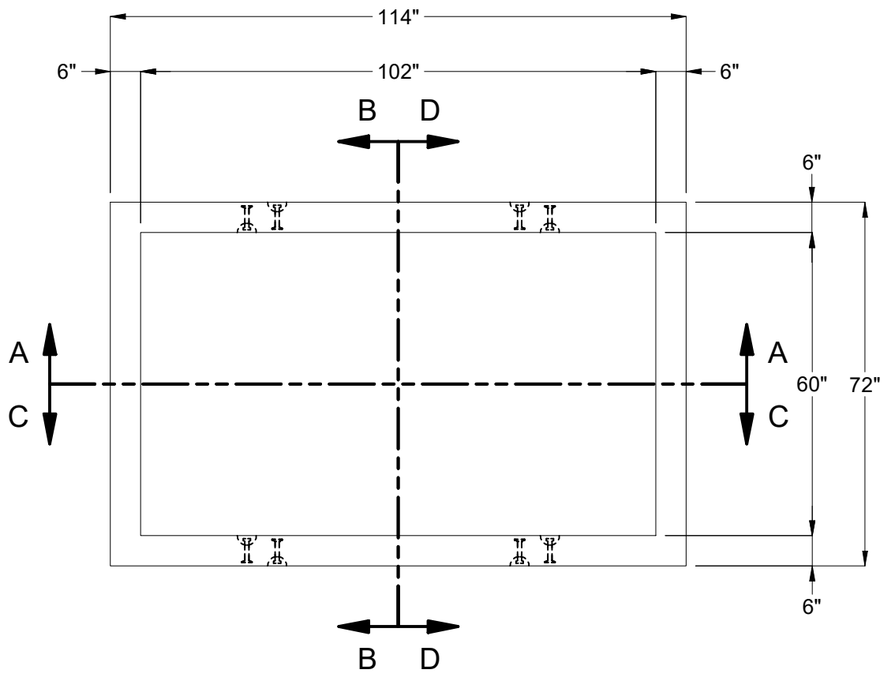
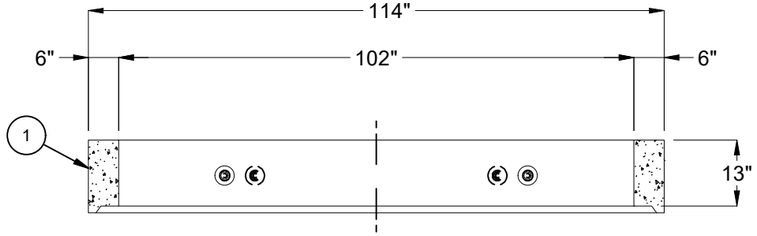
DESIGN NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #33256.
■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.

BILL OF MATERIALS

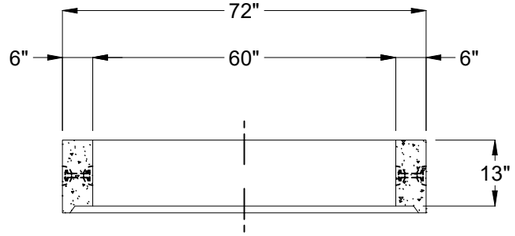
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	16.212 ft^3	16.212 ft^3	100024079	CONCRETE #19 MOD SCC
2	1	8	100002874	ANCHOR DOGBONE P52 4T X 4-3/4" GALV
3	1	1	100017937	REINFORCING MAT 100017937



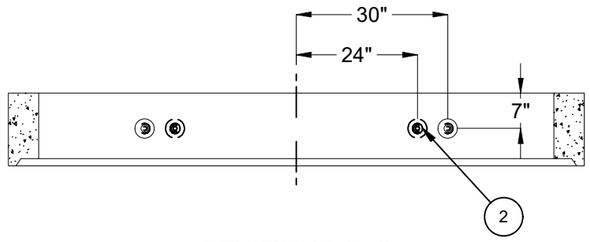
PLAN VIEW



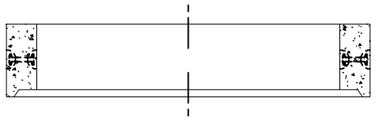
SECTION A-A



SECTION B-B



SECTION C-C

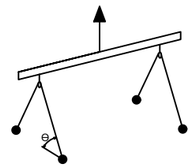


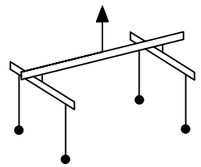
SECTION D-D

LIFTING NOTES
■ INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 5500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 LIFTING POINTS AT A MINIMUM 60° SLING ANGLE, MEASURED FROM HORIZONTAL.
■ DEMOLDING: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 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	C	DEMOLDING	E





REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
B-1	REMOVED TAG	6/27/2024	

BURY DEPTH:	0.5' - 0.5' to Top
WATER LEVEL:	3.0'
APPROX. WEIGHT:	2444.63 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 60102x13 IID CASTING LAYOUT	REV:	B-1
PART NUMBER:	100012209	DRAWN BY:	J. Prado
CREATED:	1/21/2021	MODIFIED:	6/27/2024
		SHEET:	1 OF 1

100012209.idw