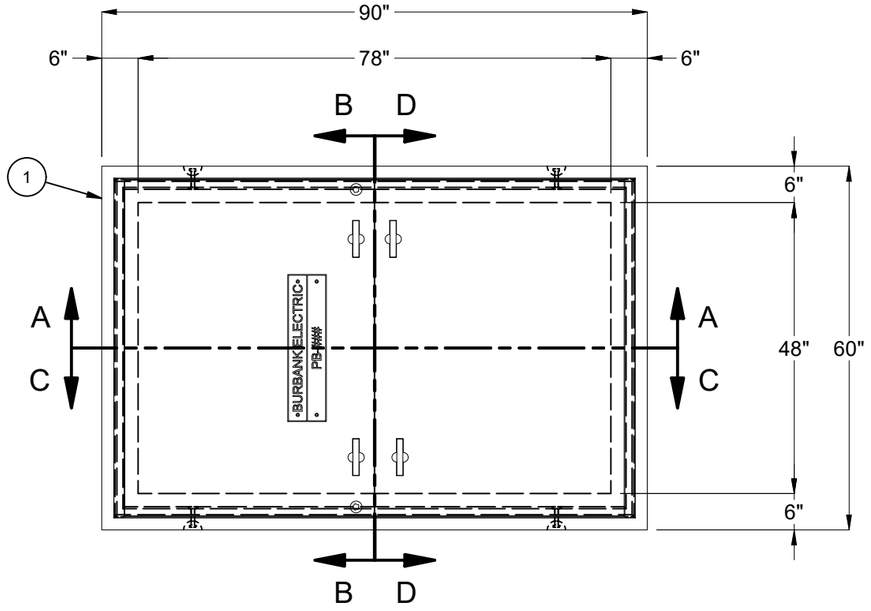
DESIGN NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #31612.
■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.

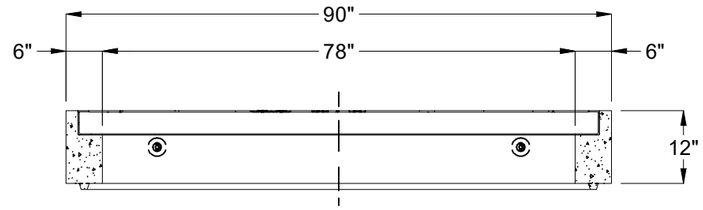
BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	9.210 ft^3	9.210 ft^3	100025559	CONCRETE 5500 PSI SCC BURBANK W/ FLY ASH, DCI, FIBER - MIX 14
2	1	1	100027091	COVER 4878 BI-METAL UEZD 1000114834 USF-HATCH
3	1	4	100002867	ANCHOR DOGBONE P52 2T X 3-3/8" GALV
4	1	1	300121230	REINFORCING MAT 300121230

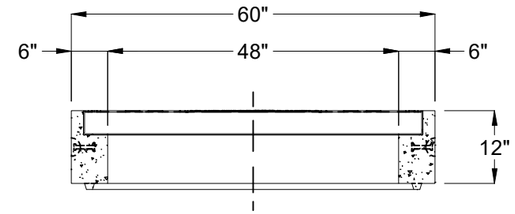
200016872.idw



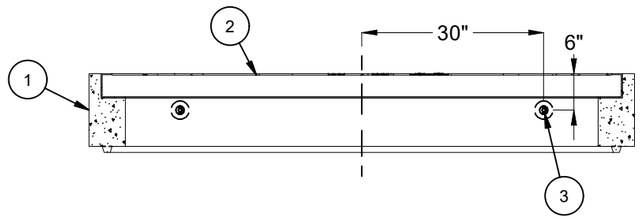
PLAN VIEW



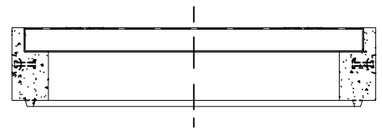
SECTION A-A



SECTION B-B

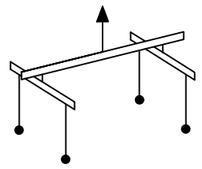
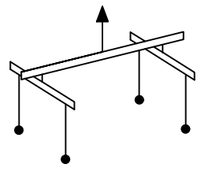


SECTION C-C



SECTION D-D

LIFTING NOTES
■ INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 5500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 LIFTING POINTS AT A MINIMUM 90° 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	E	DEMOLDING	E
			

BURY DEPTH:	0.0' - 0.0' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	1845.6 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
B	REPLACED ANCHORS & REMOVED TAG	6/26/2024	

DESCRIPTION:	Top Riser 4878x12 Cast-In Cover Burbank S-615F CASTING LAYOUT		REV: B-1
PART NUMBER:	200016872	DRAWN BY: J. Prado	SHEET: 1 OF 1
CREATED:	2/28/2019	MODIFIED: 6/26/2024	