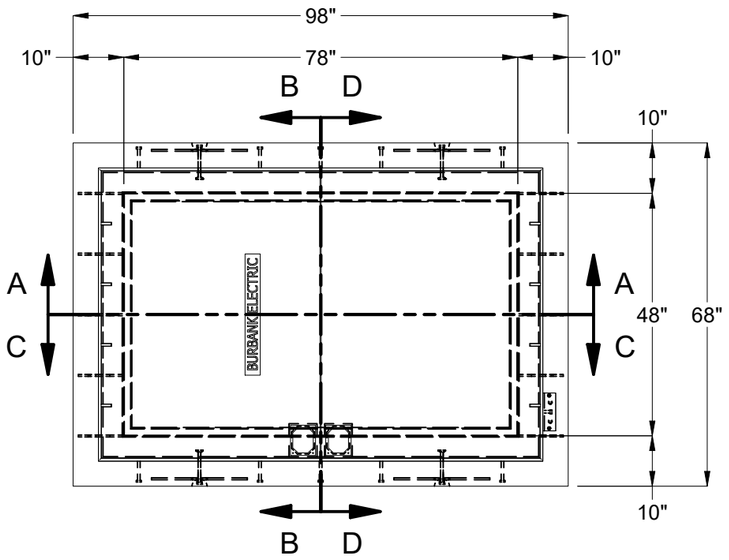
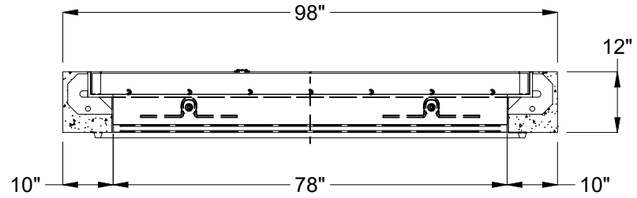
DESIGN NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO H-20-44 TRAFFIC LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #31612.
■ COVER DESIGN FOR AASHTO HL-93 WHEEL LOADING DESIGNED FOR A MAXIUM WHEEL LOAD OF 16000LBS. PLUS 33% IMPACT FACTOR.
■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.



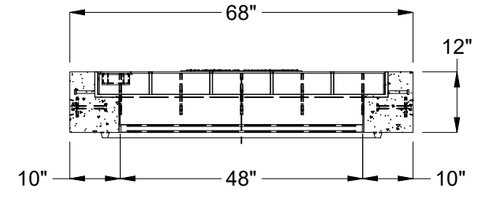
PLAN VIEW

BILL OF MATERIALS

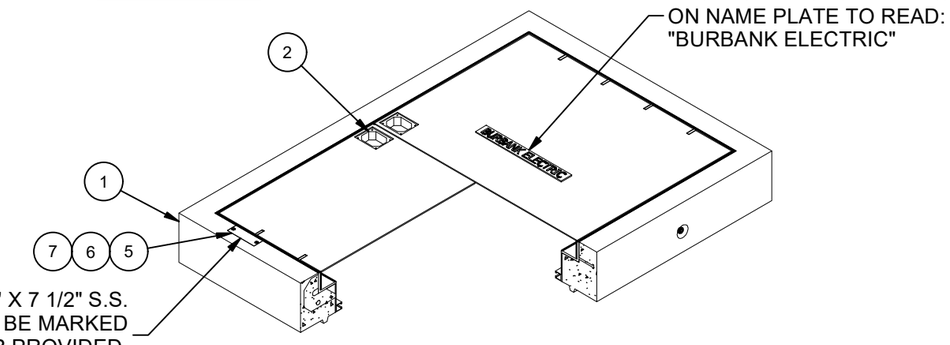
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	16.271 ft^3	16.271 ft^3	100025559	CONCRETE 5500 PSI SCC BURBANK W/ FLY ASH, DCI, FIBER - MIX 14
2	1	1	100045767	COVER 4878 STEEL DT93-AHD1000259921 USF-HATCH
3	1	4	100002870	ANCHOR DOGBONE P52 2T X 6-3/4" GALV
4	1	4	100011366	ANCHOR DOGBONE SHEAR BAR CUP 2T 5 SLAB DB33
5	1	1	100008930	NAME PLATE BRACKET 2.5X7.5 SS304
6	1	1	100008075	NAME PLATE PORT STYLE 2-1/2 X 7-1/2 SS
7	1	1	100007650	NAME PLATE HARDWARE KIT
8	1	1	300120597	REINFORCING MAT 300120597



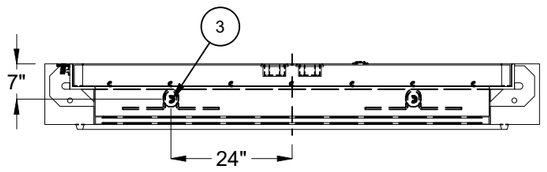
SECTION A-A



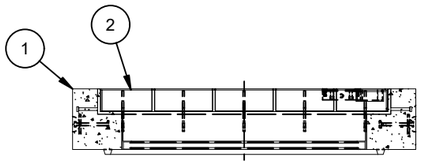
SECTION B-B



ISO VIEW



SECTION C-C

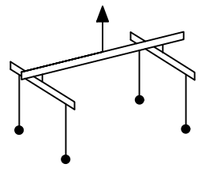


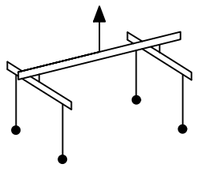
SECTION D-D

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:	4299.03 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
C	REPLACED HATCH PART#.	8/28/2024	

DESCRIPTION:	Top Riser 4878x12 Cast-In Cover Burbank S-729 CASTING LAYOUT		REV: C-1
PART NUMBER:	200016086	DRAWN BY: J. Prado	SHEET: 1 OF 1
CREATED:	2/6/2019	MODIFIED: 8/28/2024	

200016086.idw