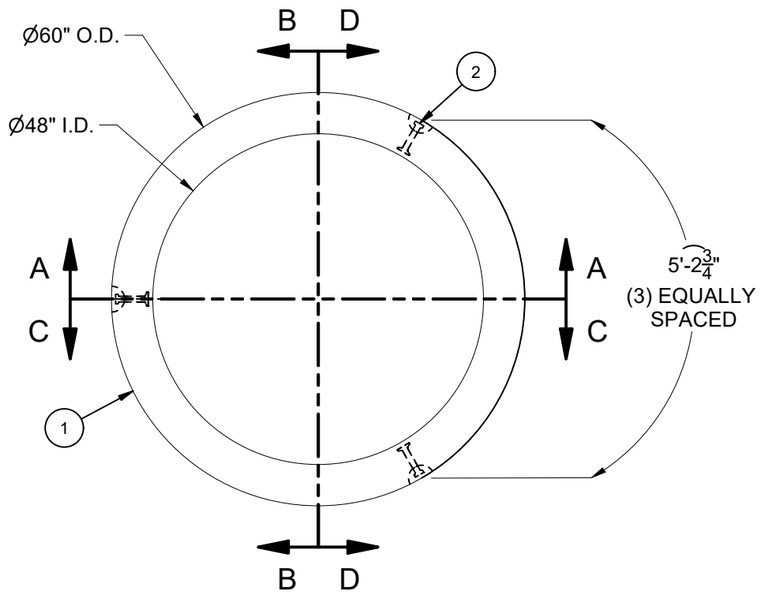
NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 4,000 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT.
■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.

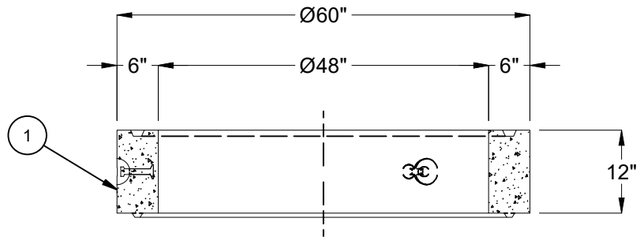
BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	6.970 ft^3	6.970 ft^3	100043269	CONCRETE 4000 PSI WETCAST SITE-112
2	1	3	100002874	ANCHOR DOGBONE P52 4T X 4-3/4" GALV
3	1	1	300157592	CAGE Manhole D4860x12 Barrel SW Joint

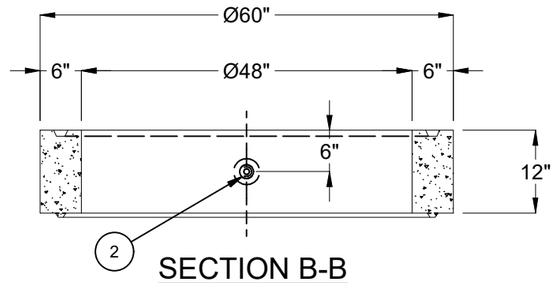
48" ID-SHAFTING W/ NO STEPS .25" WIRE ON 4.91" C/L W/ 12 EA VERTICAL WIRE / EXCEEDS ASTM C-478
6 SACK TYPE II/V - 4000 PSI / 28 DAYS MINIMUM



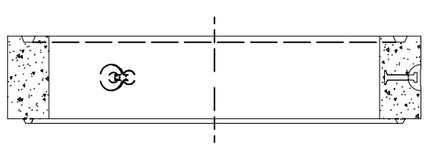
PLAN VIEW



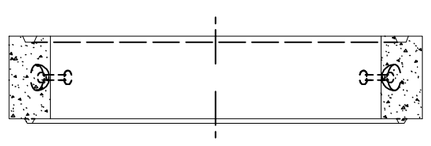
SECTION A-A



SECTION B-B

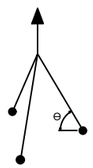
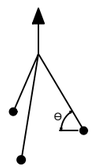


SECTION C-C



SECTION D-D

LIFTING NOTES
■ INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 4000 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 3 LIFT CONNECTIONS EQUALLY LOADED TO 3 LIFTING POINTS AT A MINIMUM 60° 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	A
			

BURY DEPTH:	0.0' - 0.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	1050.55 Lbs
DESIGN SPEC:	ASTM C478	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Deformed Wire	LIFTING TYPE:	Dogbone

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REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
C-1	UPDATE REINFORCING	12/11/2024	

DESCRIPTION:	Manhole D4860x12 Barrel CASTING DRAWING		REV: C-1
PART NUMBER:	200081172	DRAWN BY: D. Mejia	SHEET: 1 OF 1
CREATED:	10/16/2023	MODIFIED: 12/11/2024	

200081172.idw