DESIGN NOTES:

- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI

PRODUCTION NOTES:

- LIFTING INSERTS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS
- APPLIED FINISH - NONE
- INTERNAL LINER/COATING - NONE
- EXTERNAL LINER/COATING - NONE

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	5.553 ft^3	5.553 ft^3	100011425	CONCRETE MIX GENERIC 5000 PSI
2	1	2	100002392	REINF HOOP STEEL .25235DIA GA 42DIA
3	1	3	100003349	INS THRD FRL THNSLB STRUT FX-16 3/4IN ZINC

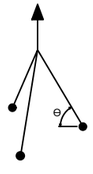
100001556.idw



ISO VIEW

LIFTING NOTES
■ 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 DIAGRAM*	A



CHANGE HISTORY			
NO.	DESCRIPTION	DATE	BY
1	INITIAL UPATE	4/12/2024	APS
2	UPDATED DRAWING	4/16/2024	APS
3			

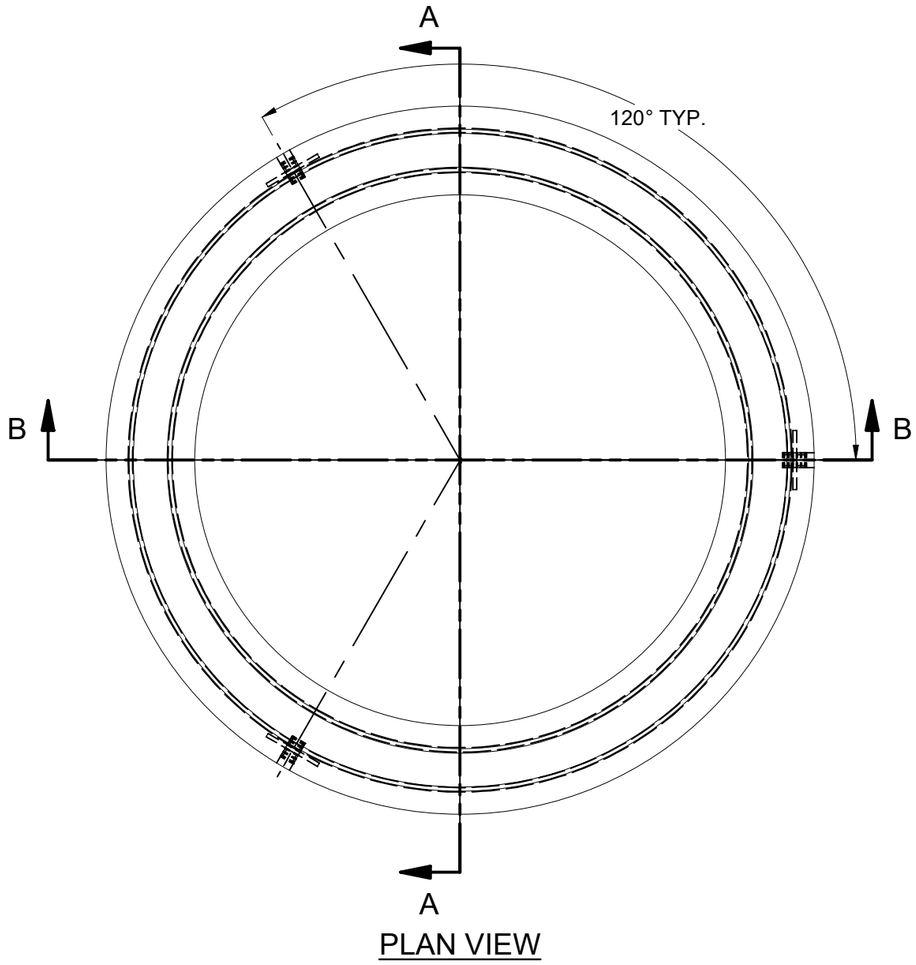
BURY DEPTH:	0.0' - 3.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	839.04 Lbs
DESIGN SPEC:	ASTM C478	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Plain Wire	LIFTING TYPE:	Insert

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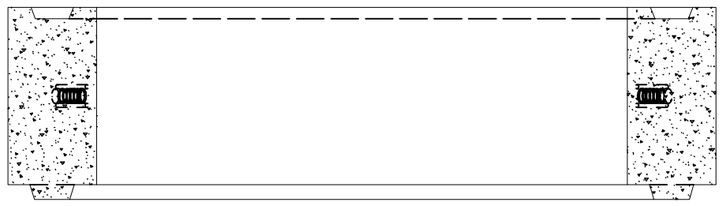
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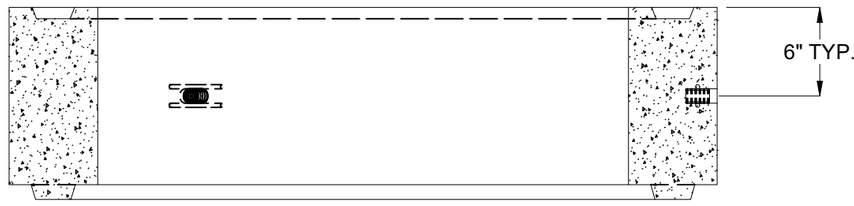
DESCRIPTION:	Grade Ring D3648x12 CASTING LAYOUT		REV: B-2
PART NUMBER:	100001556	DRAWN BY:	A.Sprung
CREATED:	8/20/2020	MODIFIED:	5/2/2024
			SHEET: 1 OF 2



PLAN VIEW



SECTION A-A



SECTION B-B

BURY DEPTH:	0.0' - 3.0' to Top		
WATER LEVEL:	Below Structure	APPROX. WEIGHT:	839.04 Lbs
DESIGN SPEC:	ASTM C478	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Plain Wire	LIFTING TYPE:	Insert

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DESCRIPTION:	Grade Ring D3648x12 CASTING DRAWING		REV: B-2
PART NUMBER:	100001556	DRAWN BY:	A.Sprung
CREATED:	8/20/2020	MODIFIED:	5/2/2024
			SHEET: 2 OF 2

100001556.idw