DESIGN NOTES:

- CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI
- SOIL UNIT WEIGHT DRY - 110 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE DRY - 40 lbs/cu.ft.
- SOIL UNIT WEIGHT WET - 120 lbs/cu.ft.
- EQUIVALENT LATERAL PRESSURE WET - 80 lbs/cu.ft.

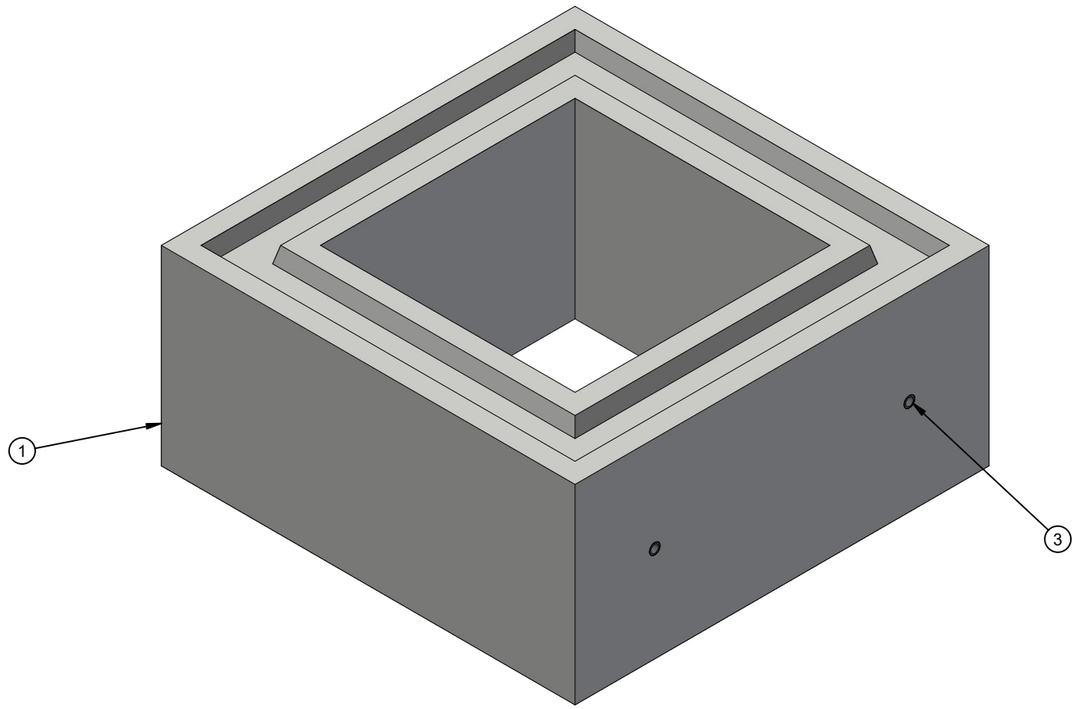
PRODUCTION NOTES:

- THIS PRODUCT SHALL ONLY BE PRODUCED IN A JENSEN PRECAST FACILITY
- LIFTING INSERTS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS
- APPLIED FINISH - NONE
- INTERNAL LINER/COATING - NONE
- EXTERNAL LINER/COATING - NONE

BILL OF MATERIALS

ITEM	QTY	PART NUMBER	DESCRIPTION
1	3.159 ft^3	100011425	CONCRETE MIX 5000 PSI
2	1	100018978	REINFORCING MAT 100018978
3	4	100002765	Insert Ferrule Loop 0.5 x 2.75" Zinc (F42 or Equiv.)

*REBAR REINFORCING CAN BE SWAPPED OUT FOR DEFORMED WIRE CAGE PART NUMBER 200035837

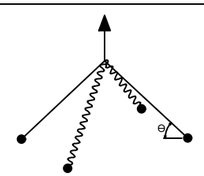


ISO LAYOUT

100001002.idw

LIFTING NOTES
■ THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 2 LIFTING POINTS AT A MINIMUM 45° 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* **B**



BURY DEPTH:	0.0' - 12.0' to Top		
WATER LEVEL:	5.0'	APPROX. WEIGHT:	434.05 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	SP Socket

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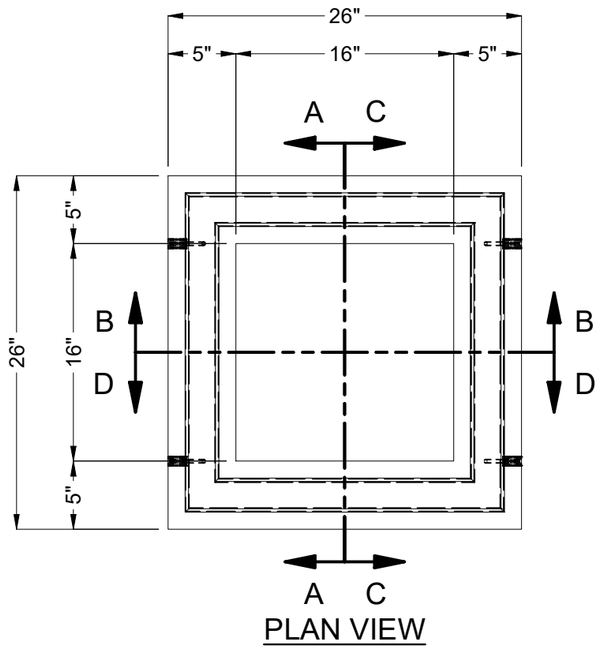
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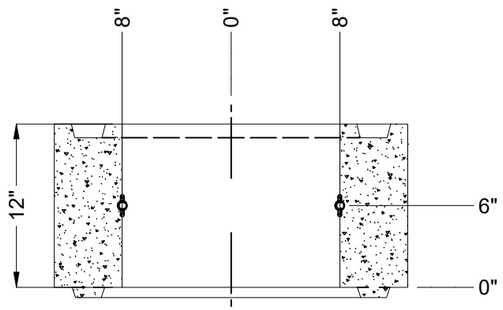
CHANGE HISTORY

NO.	DESCRIPTION	DATE	BY
1	INITIAL RELEASE	8/30/2024	APS

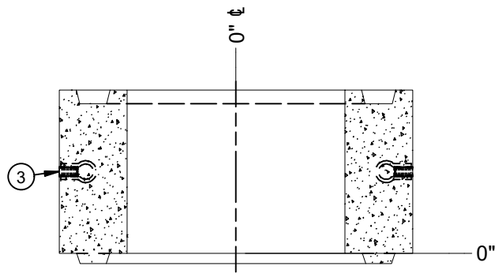
DESCRIPTION:	Riser 1616x12 CASTING LAYOUT		REV: A-1-1
PART NUMBER:	100001002	DRAWN BY: A.Sprung	SHEET: 1 OF 2
CREATED:	8/29/2024	MODIFIED: 9/4/2024	



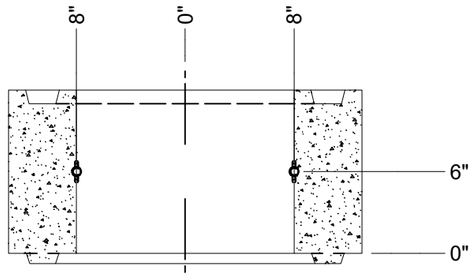
PLAN VIEW



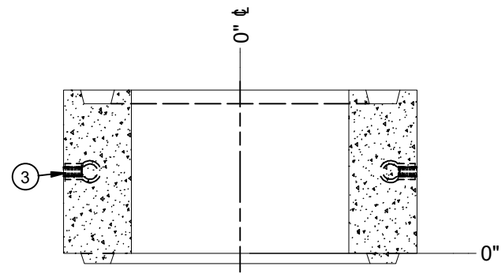
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BURY DEPTH:	0.0' - 12.0' to Top		
WATER LEVEL:	5.0'	APPROX. WEIGHT:	434.05 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	SP Socket

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DESCRIPTION:	Riser 1616x12 CASTING DRAWING		REV: A-1-1
PART NUMBER:	100001002	DRAWN BY:	A.Sprung
CREATED:	8/29/2024	MODIFIED:	9/4/2024
			SHEET: 2 OF 2

100001002.idw