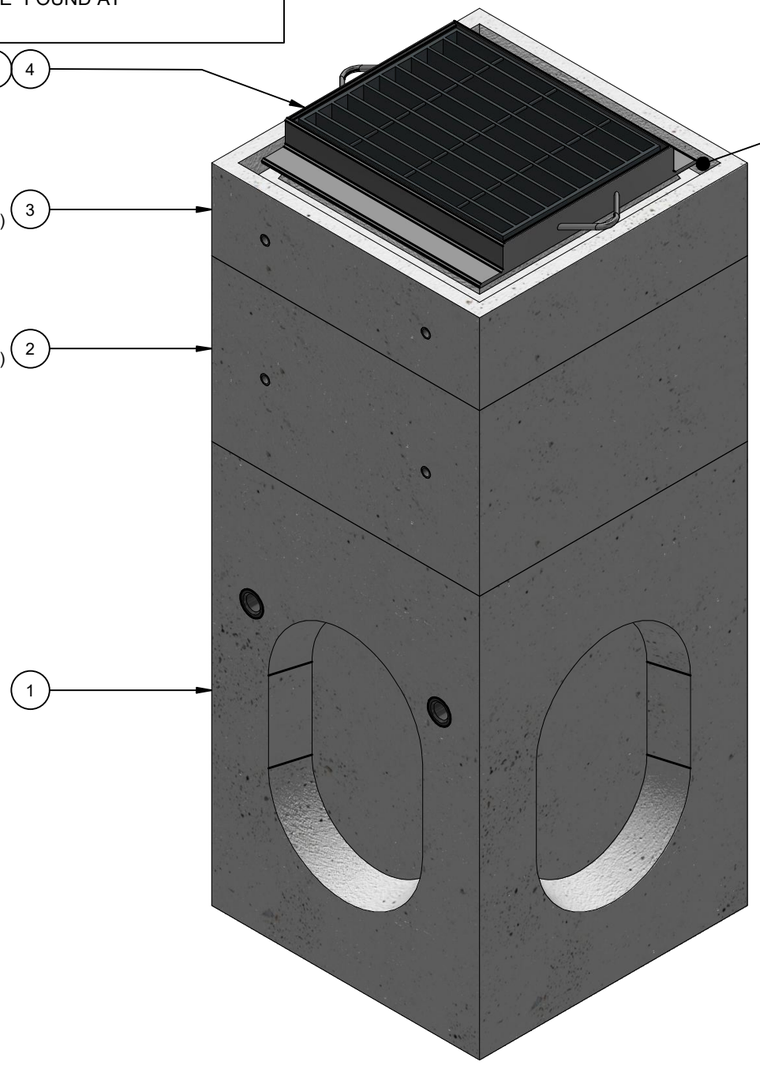
DESIGN NOTES
■ THIS PRODUCT MUST ONLY BE PRODUCED IN A JENSEN INFRASTRUCTURE FACILITY.
■ ALL CONCRETE MUST HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI.
■ REINFORCING STEEL MUST COMPLY WITH ASTM A615 GRADE 60 OR ASTM A706 GRADE 60.
■ EQUIVALENT AREA WELDED WIRE REINFORCING CAGES MAY BE UTILIZED IN LIEU OF GRADE 60 REBAR.
■ WELDED WIRE REINFORCING MUST COMPLY WITH ASTM A1064.
■ SEE TITLE BLOCK FOR BURY DEPTH RANGE, WATER TABLE LEVEL, AND DESIGN AND LOADING SPECIFICATIONS.
■ SOIL UNIT WEIGHT DRY – 110 lbs/cu.ft.
■ EQUIVALENT LATERAL EARTH PRESSURE DRY: 40 lbs/cu.ft.
■ SOIL UNIT WEIGHT WET – 120 lbs/cu.ft
■ EQUIVALENT LATERAL EARTH PRESSURE WET: 80 lbs/cu.ft.
■ UNLESS OTHERWISE NOTED OR SPECIFIED THE STRUCTURE MUST BE INSTALLED PER "JENSEN INFRASTRUCTURE UNDERGROUND UTILITY STRUCTURES INSTALLATION PROCEDURE" FOUND AT https://www.jensenprecast.com/Utility-Structures-Installation-Instructions-d2595.pdf

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	MASS (lb)
1	1	1	100000955	Drainage 1212x24 Rect. Bottom Section Knockout	598
2	1	AS REQUIRED	100000964	Riser 1212x12	268
3	1	AS REQUIRED	100000963	Riser 1212x6	134
4	1	1	100037775	GRATE FRAME 1212 STEEL GALV EZ FV-1-1212-R1G D&L	15
5	1	1	100037776	GRATE 1212 STEEL TRF GALV FV-1-1212-02G D&L	17



ISO VIEW

CHANGE HISTORY			
NO.	DESCRIPTION	DATE	BY
A-1	PRELIMINARY SUBMITTAL 2208-54161-4	9/8/2022	EDC
A-4	ADDED GRATE DIMENSION	02/23/2023	EDC
A-4-1	UPDATED WATER LEVEL	10/7/2025	SD

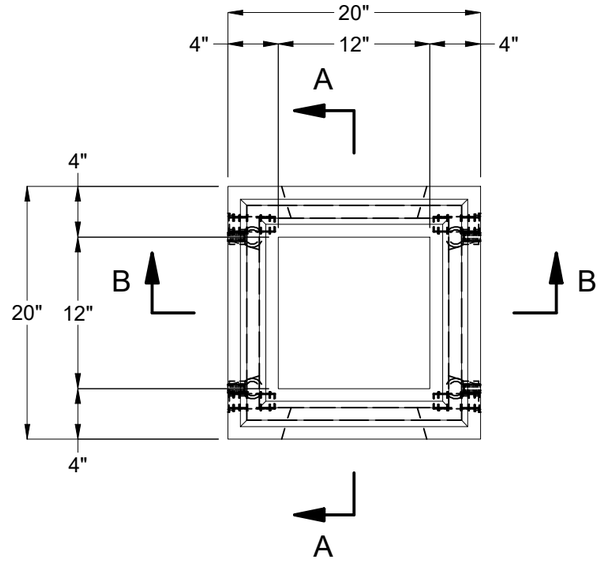
BURY DEPTH:	0.0' - 8.5' to Top		
WATER LEVEL:	5.0'	APPROX. WEIGHT:	1031.75 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:		LIFTING TYPE:	

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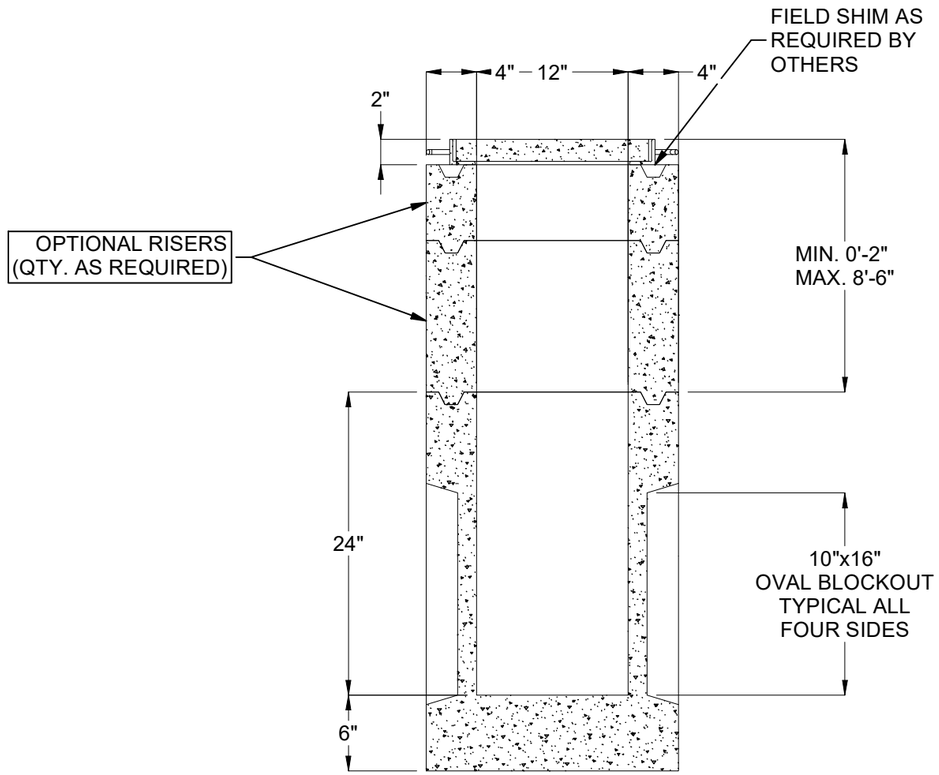
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DESCRIPTION:	Drainage Layout 1212 Knockout LAYOUT REVIEW		REV: A-4-1
PART NUMBER:	200068270	DRAWN BY:	S. de Lange Boom
CREATED:	9/7/2022	MODIFIED:	10/7/2025
			SHEET: 1 OF 2

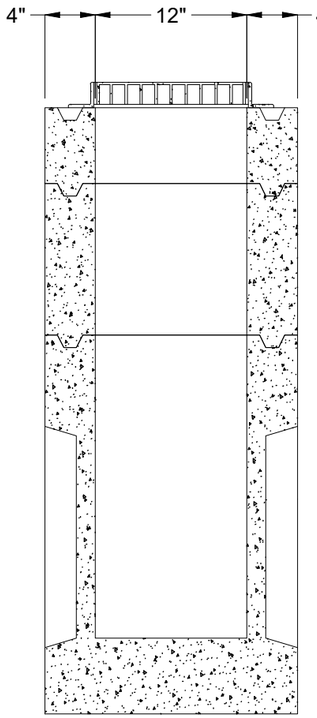
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PLAN VIEW



SECTION A-A



SECTION B-B

BURY DEPTH:	0.0' - 8.5' to Top		
WATER LEVEL:	5.0'	APPROX. WEIGHT:	1031.75 Lbs
DESIGN SPEC:	ACI 318,ASTM C890	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:		LIFTING TYPE:	

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DESCRIPTION:	Drainage Layout 1212 Knockout LAYOUT DRAWING		REV: A-4-1
PART NUMBER:	200068270	DRAWN BY:	S. de Lange Boom
CREATED:	9/7/2022	MODIFIED:	10/7/2025
			SHEET: 2 OF 2

200068270.idw