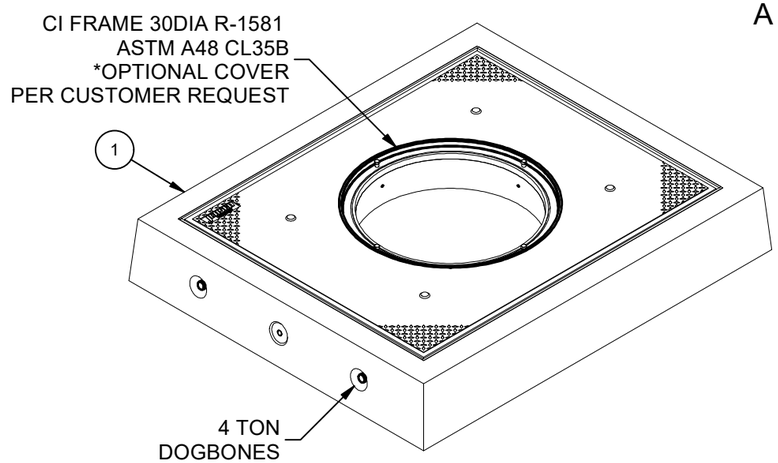
DESIGN NOTES
■ THIS PRODUCT MUST ONLY BE PRODUCED IN A JENSEN INFRASTRUCTURE FACILITY.
■ ALL CONCRETE MUST HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5,500 PSI.
■ REINFORCING STEEL MUST COMPLY WITH ASTM A615 GRADE 60 OR ASTM A706 GRADE 60.
■ SEE TITLE BLOCK FOR BURY DEPTH RANGE, WATER TABLE LEVEL, AND DESIGN AND LOADING SPECIFICATIONS.
■ SOIL UNIT WEIGHT – 120 lbs/cu.ft.
■ EQUIVALENT LATERAL EARTH PRESSURE DRY: 36 lbs/cu.ft.
■ EQUIVALENT LATERAL EARTH PRESSURE WET: 80 lbs/cu.ft.
■ UNLESS OTHERWISE NOTED OR SPECIFIED THE STRUCTURE MUST BE INSTALLED PER "JENSEN PRECAST UNDERGROUND UTILITY STRUCTURES INSTALLATION PROCEDURE" FOUND AT https://www.jensenprecast.com/Utility-Structures-Installation-Instructions-d2595.pdf
■ DESIGNED PER CALCS. #31635
■ ALL PARTS TO BE STENCILED: MFG DATE / PRODUCT ID / WEIGHT.
■ COVER DESIGN FOR TRAFFIC LOADING.
■ MINIMUM EXCAVATION SIZE: 6'-6" X 7'-6" X DEPTH REQ'D.
■ EXTENSIONS AS REQUIRED

BILL OF MATERIALS

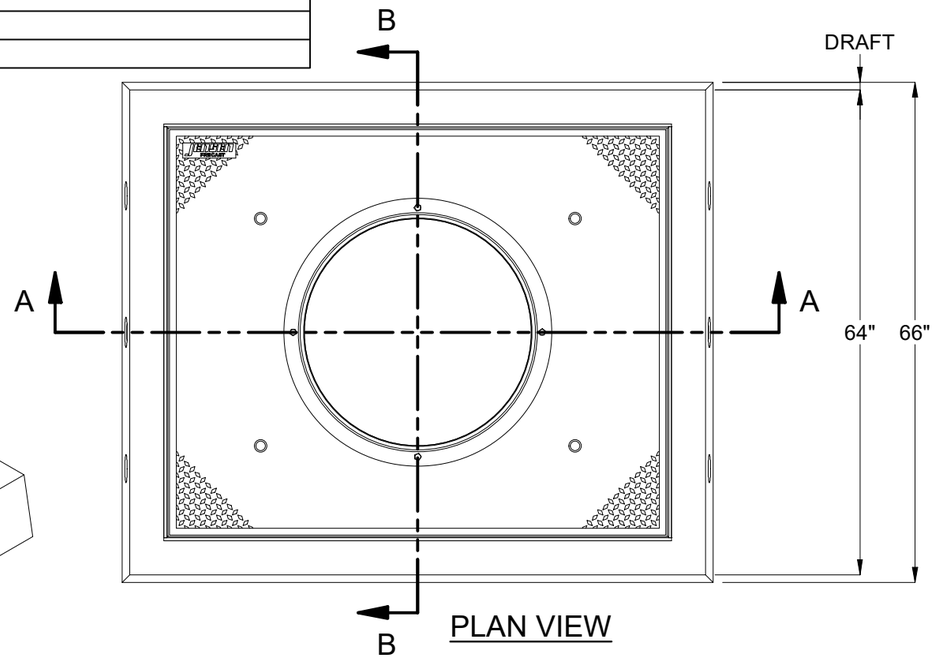
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	MASS (lb)
1	1	1	200068636	Vault Neck and Plug Cover Assembly 4860x12 30"C	3758
2	1	4	100009239	ROD THREADED COIL YELLOW DIP 3/4 X 10-1/2"	
3	1	8	100007136	WASHER FLAT 3/4 REGULAR TYPE A ZINC	
4	1	8	100007010	HEX COIL NUT 3/4-4.5 POST YELLOW DIP	

EXTENSIONS ARE AVAILABLE IN THE FOLLOWING SIZES:

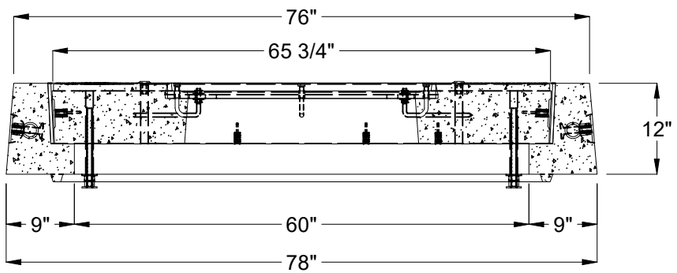
A. 200012851 (VN45-R6-12), 6" EXTENSION SECTION (CG-VN45-R6-12) WT. 1170 lbs.
B. 100012875 (VN45-R12-12), 12" EXTENSION SECTION (CG-VN45-R12-12) WT. 2352 lbs.



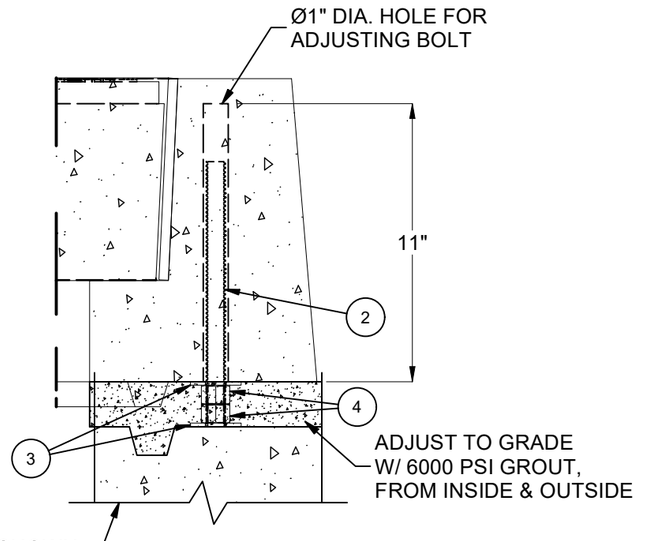
ISO VIEW



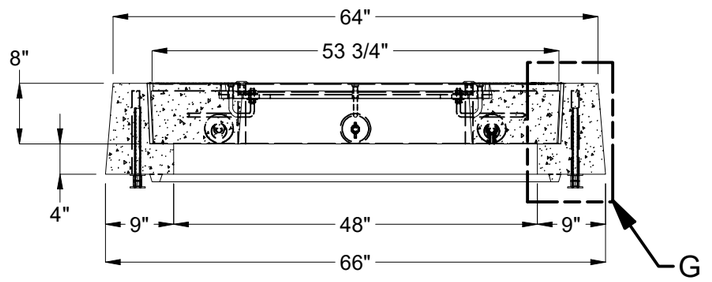
PLAN VIEW



SECTION A-A



DETAIL G
(IF NEEDED TO ADJUST
TO FINISH GRADE)



SECTION B-B

LIFTING NOTES
■ FIELD INSTALLATION: PLANT DEMOLDING: MINIMUM HANDLING CONCRETE STRENGTH F'c = 5500 PSI RIGGING EQUALIZER REQUIRED TO EQUALIZE LOAD TO 4 LIFTING POINTS WITH A SLING ANGLE BETWEEN 60° AND 90°

BURY DEPTH:	0.0' - 0.0' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	3747.18 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:		AGENCY SPEC:	

Infrastructure
JENSEN
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REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
B-1-1	UPDATED DRAWING	3/18/2025	

DESCRIPTION: Vault Neck and Plug Cover Layout 4860x12 30"C No Cover LAYOUT REVIEW			REV: B-1-2
PART NUMBER:	100010441	DRAWN BY: J. Prado	SHEET: 1 OF 1
CREATED:	9/20/2022	MODIFIED: 3/18/2025	

100010441.idw