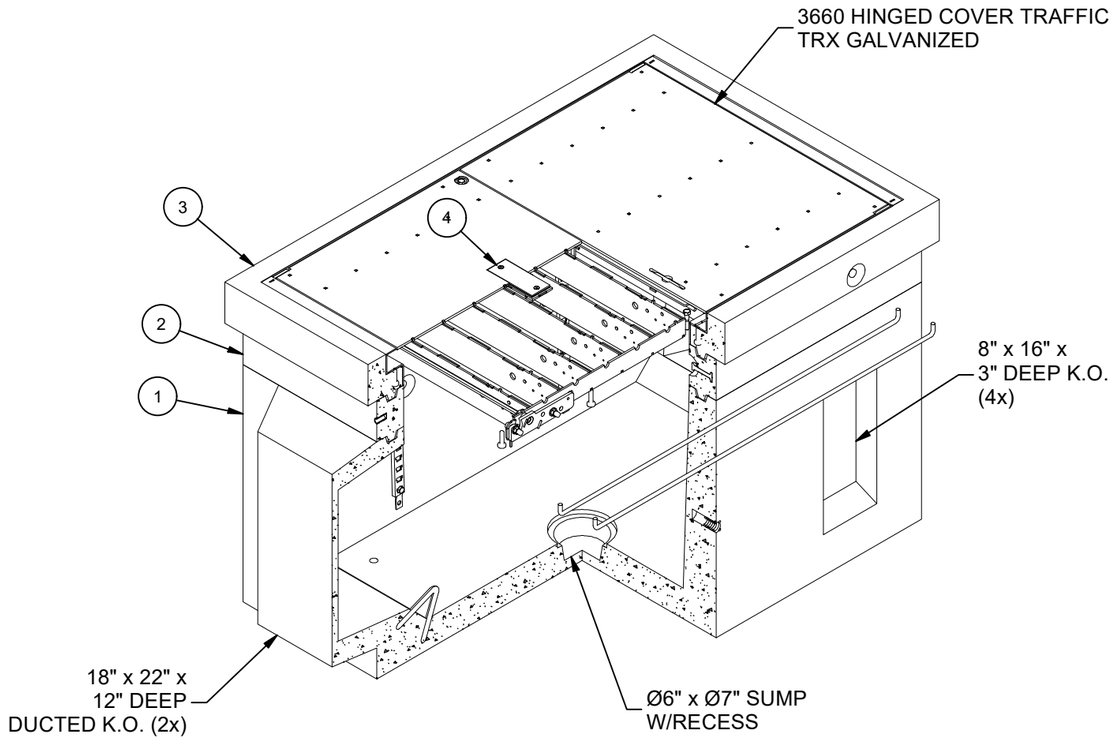
DESIGN NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #31395.
■ COVER DESIGNED FOR 16,000 LB LOAD ON 10" X 20" FOOTPRINT, WITH 30% IMPACT RESTRICTED TO UNRESTRICTED PARKING LANES AND ALLEYWAYS WHERE TRAFFIC SPEED IS LIMITED TO 15 MILES PER HOUR. (ASTM LOAD LEVEL 5)
■ MINIMUM EXCAVATION SIZE: 5'-0" X 8'-0" X DEPTH REQ'D.
■ VAULT TO BE PLACED ON A MIN. 6" BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.
■ FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	MASS (lb)
1	1	1	100012211	Vault 3660x30 Rect. Bottom Section Knockout Ducted,Sump	3735
2	1	1	100012954	Riser 3660x6 Rect. Riser LADWP/EDISON	492
3	1	1	200090703	Top Riser 3660x6 Cast-In Cover	1067
4	1	1	100007300	NAME PLATE 3X7-1/2 SS - FRONTIER	
5	1	4	100002525	CABLE RACK 14 HOLE GALV TABS	
6	1	8	100022504	HEX BOLT, TAP, 1/2-13 UNC 2.5 ZINC	
7	1.000 ul	1.000 ul	100005749	SEALANT JOINT BUTYL RUBBER ASTM C-990 AND M198 CS-102 1IN EQUIV X14.5FT PER BOX 118FT	

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ISOMETRIC VIEW

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:	5234.67 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	Frontier	AGENCY SPEC:	

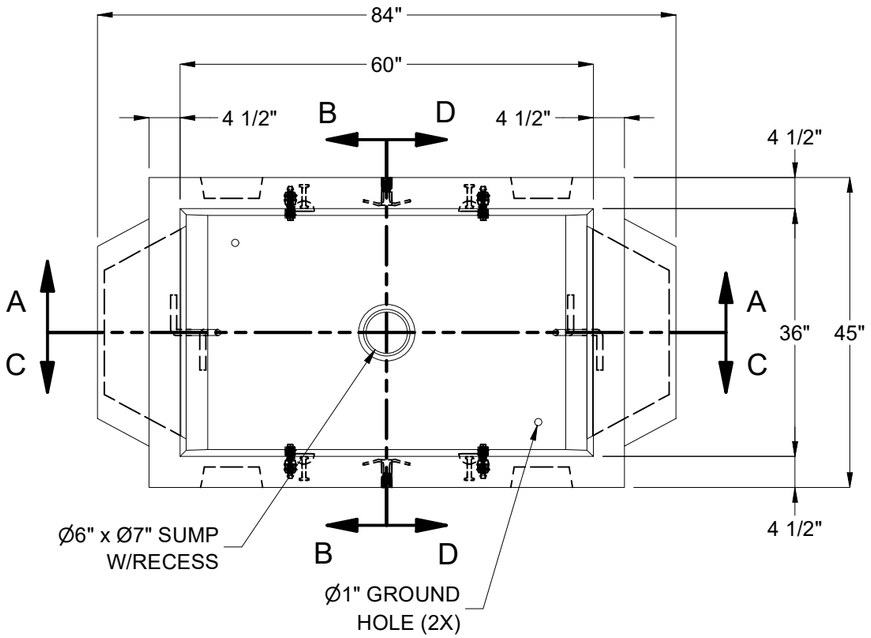
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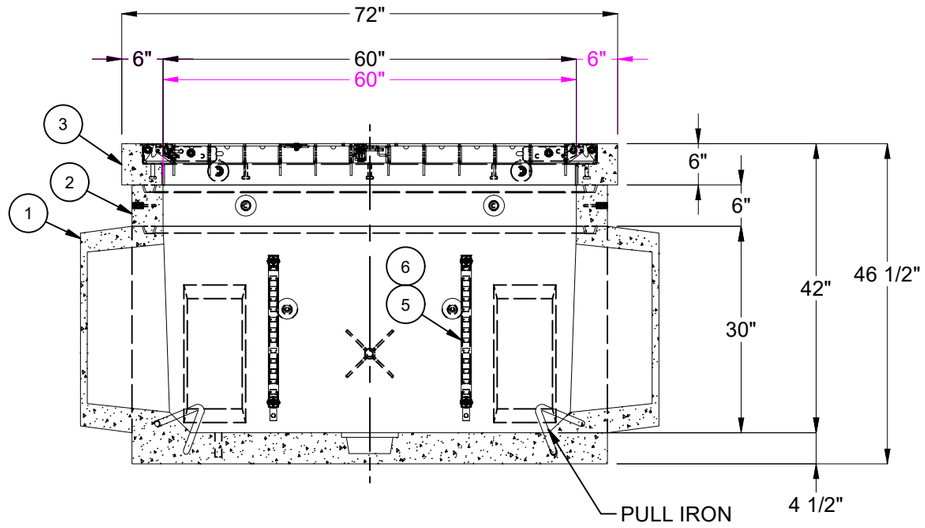
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REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A-1	INITIAL RELEASE	7/8/2024	

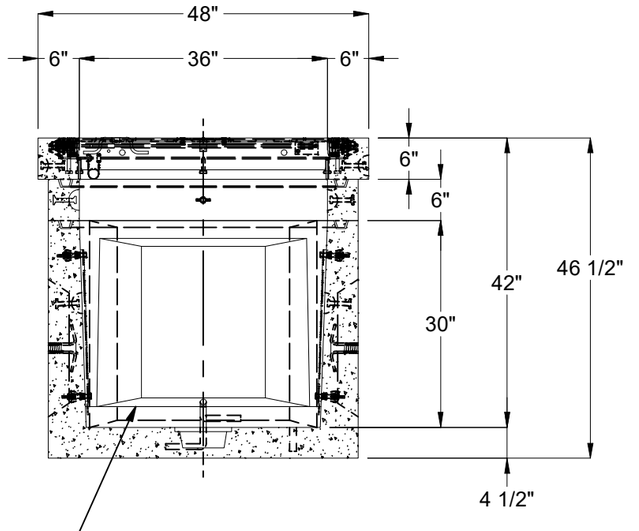
DESCRIPTION:	Vault Layout 3660x42 Knockout Ducted,Sump 36"x60"C Frontier Traffic TRX Galvanized LAYOUT REVIEW		REV: A-1
PART NUMBER:	200090793	DRAWN BY: J. Prado	SHEET: 1 OF 2
CREATED:	3/20/2024	MODIFIED: 7/8/2024	



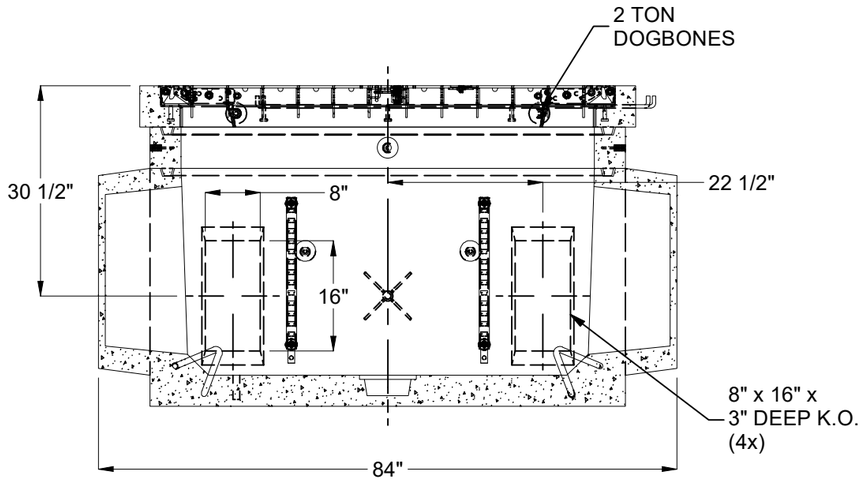
PLAN VIEW W/O TOP SECTION



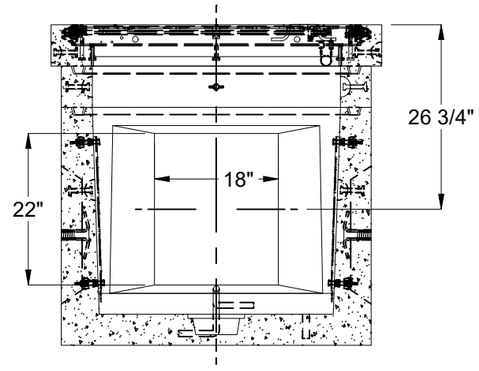
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BURY DEPTH:	0.0' - 0.0' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	5234.67 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	Frontier	AGENCY SPEC:	

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DESCRIPTION:	Vault Layout 3660x42 Knockout Ducted,Sump 36"x60"C Frontier Traffic TRX Galvanized LAYOUT REVIEW		REV: A-1
PART NUMBER:	200090793	DRAWN BY:	J. Prado
CREATED:	3/20/2024	MODIFIED:	7/8/2024
			SHEET: 2 OF 2

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