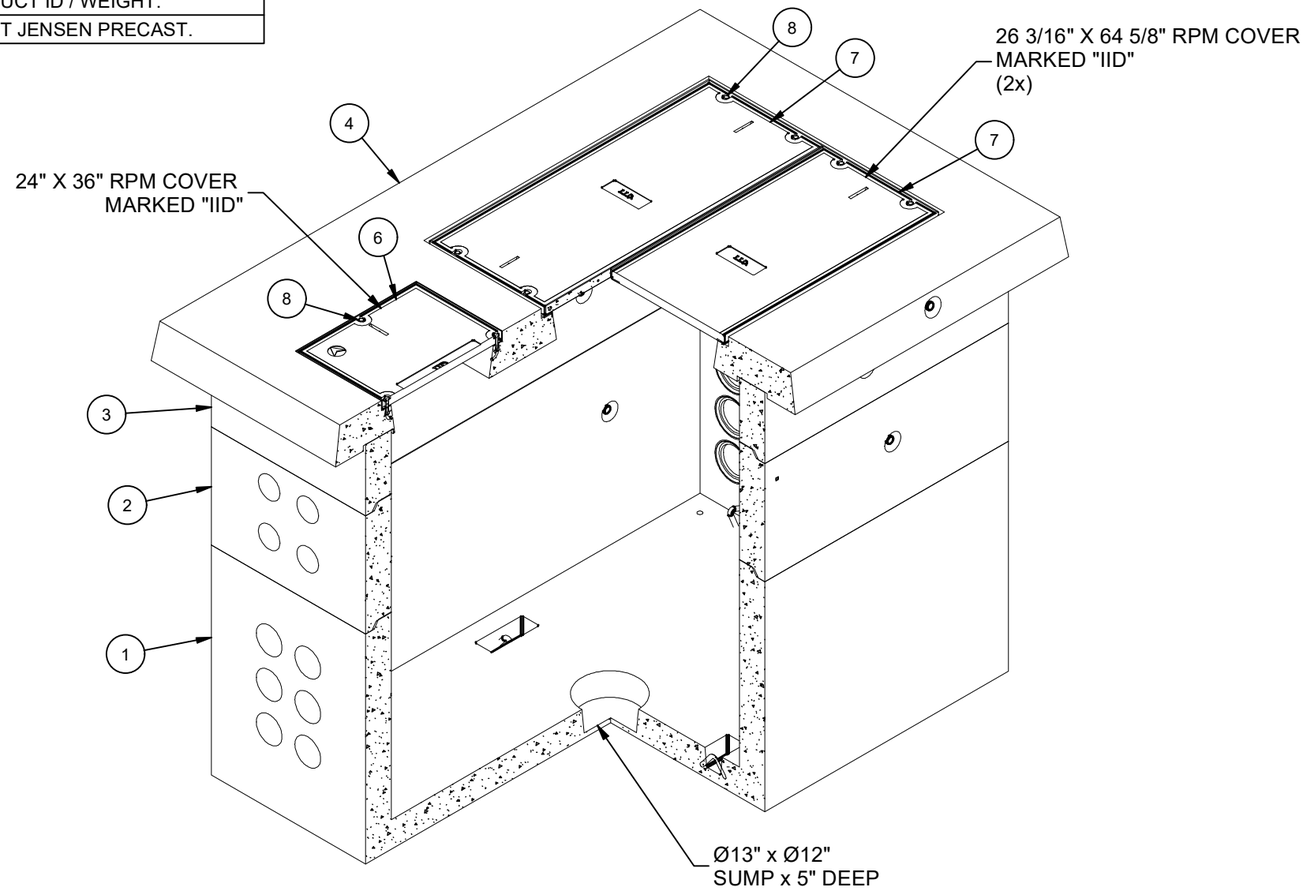
DESIGN NOTES
■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #33256.
■ PAD CONCRETE DESIGNED PER ASTM C-857 LOAD DESIGNATION A-0.3 (300 PSF) PARKWAY LOADING / 30,000 lb TRANSFORMER, USING 5,500 PSI CONCRETE AND ASTM A-706 GR. 60. STEEL REINFORCEMENT PER CALCS. #33256.
■ COVER DESIGNED FOR 300 PSF, OR 600 lb LOAD ON 5.5" x 5.5" FOOTPRINT RESTRICTED TO AREAS OF PEDESTRIAN USE AND LIGHT MAINTENANCE VEHICLES USE, AND OTHER AREAS THAT ARE INACCESSIBLE TO ALL OTHER VEHICLE TRAFFIC.
■ "GRD" STENCILED IN RED LETTERS (1 1/2" MIN. - 2" MAX.)
■ SWITCH ENCLOSURE TO BE PLACED ON A MIN. 6" BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
■ FILL SUMP CAVITY WITH ROCK TO A DEPTH OF 2 FEET.
■ MINIMUM EXCAVATION SIZE 8'-2" x 11'-8" x DEPTH REQ'D.
■ 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	100012202	Vault 60102x42 Rect. Bottom Section Terminators Sump IID	11350
2	1	1	100012201	Riser 60102x24 Terminators IID	4157
3	1	1	100012209	Riser 60102x13 IID	2445
4	1	1	100012210	Pad 84126x8 24"x36"E IID 856-4	4546
5	1	1	100006401	Support Beam 64.5in T Beam	33
6	1	1	100007029	COVER 2436 POLYMER IID	162
7	1	2	100007061	COVER 26 3/16IN X 64 5/8IN POLYMER 586 IID	256
8	1	12	100008105	PENTA BOLT 1/2-13 UNC 2-1/2 304SS W/CAPWASH	
9	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	



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°

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
C-2	REMOVED TAG & REVISED DESCRIPTION	6/28/2024	

BURY DEPTH:	-0.3' - 0.3' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	23208.85 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	IID	AGENCY SPEC:	856.4 REV.A

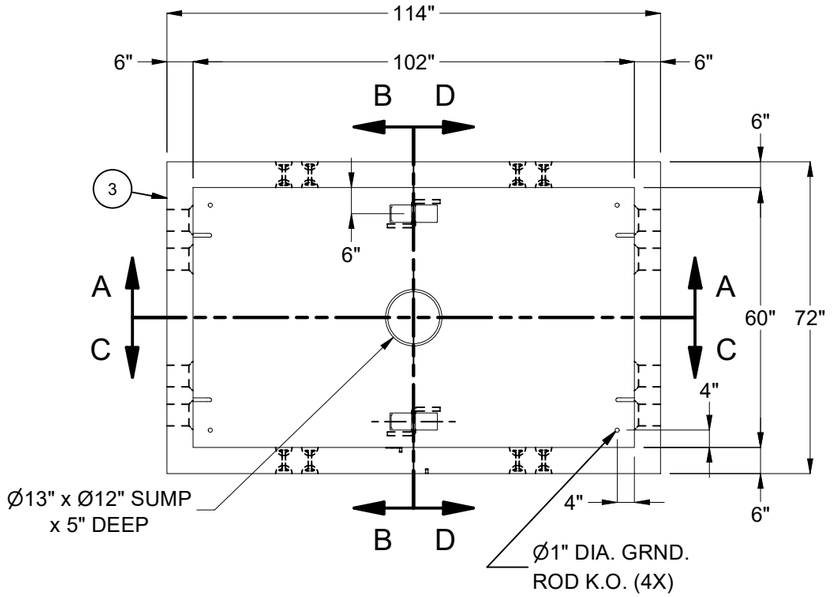
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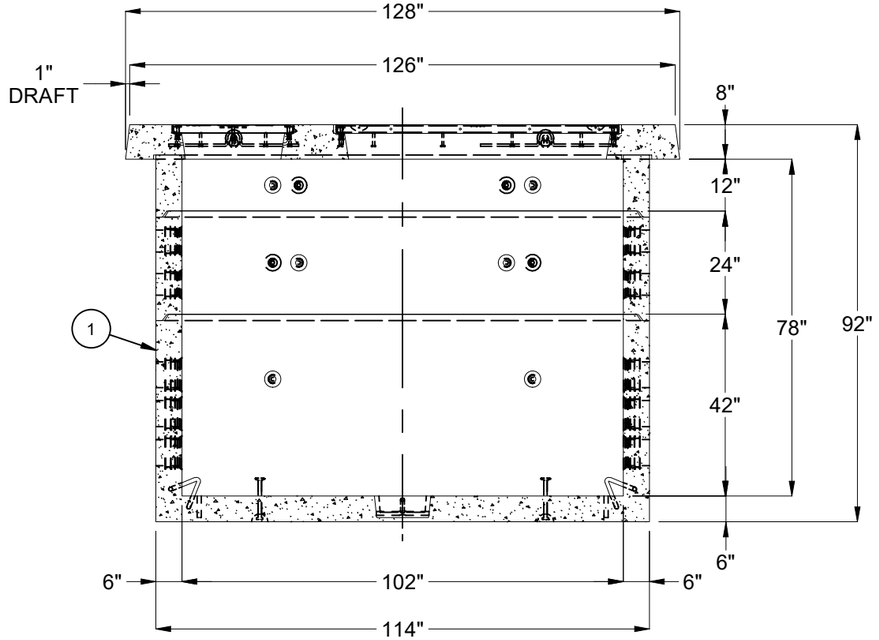
DESCRIPTION:	Slab Box Layout 60102x78 Terminators Sump 24"x36"E IID 856.4 REV.A LAYOUT REVIEW		REV: C-3
PART NUMBER:	100010513	DRAWN BY:	J. Prado
CREATED:	1/21/2021	MODIFIED:	6/28/2024
			SHEET: 1 OF 2

100010513.idw

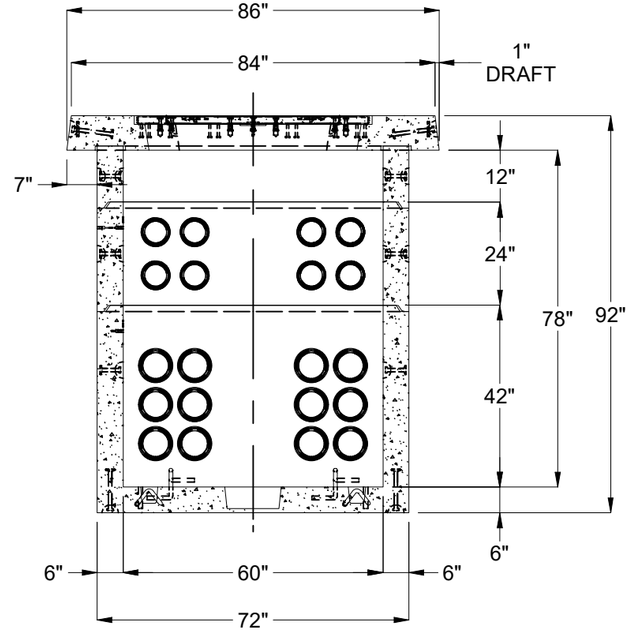


PLAN VIEW

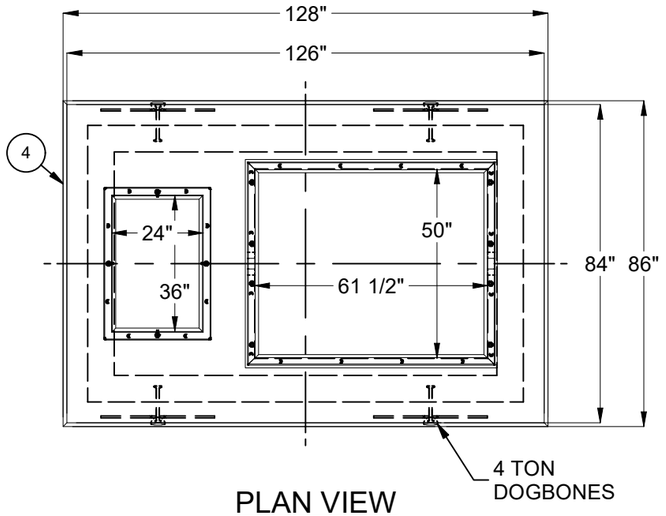
(SHOWN W/ OUT TRANSFORMER PAD FOR CLARITY)



SECTION A-A

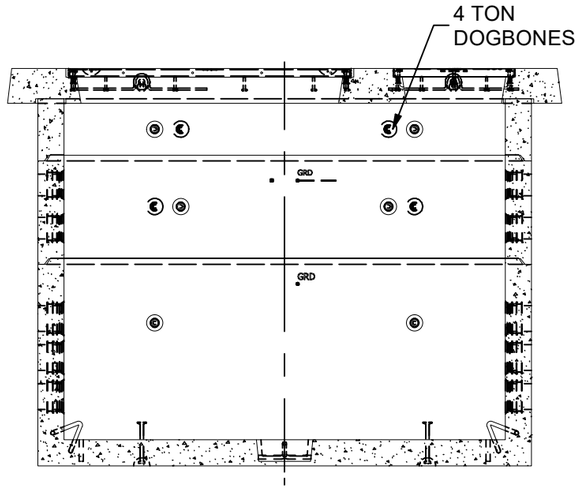


SECTION B-B

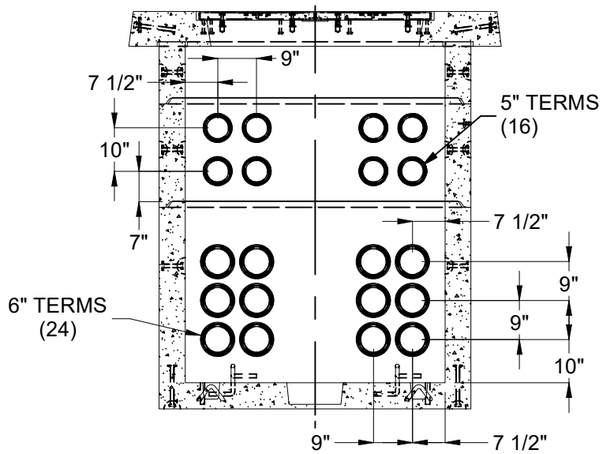


PLAN VIEW

(TRANSFORMER PAD ONLY)



SECTION C-C



SECTION D-D

BURY DEPTH:	-0.3' - 0.3' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	23208.85 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
AGENCY:	IID	AGENCY SPEC:	856.4 REV.A

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DESCRIPTION:	Slab Box Layout 60102x78 Terminators Sump 24"x36"E IID 856.4 REV.A LAYOUT DRAWING		
PART NUMBER:	100010513	DRAWN BY:	J. Prado
CREATED:	1/21/2021	MODIFIED:	6/28/2024

REV:	C-3
SHEET:	2 OF 2

100010513.idw