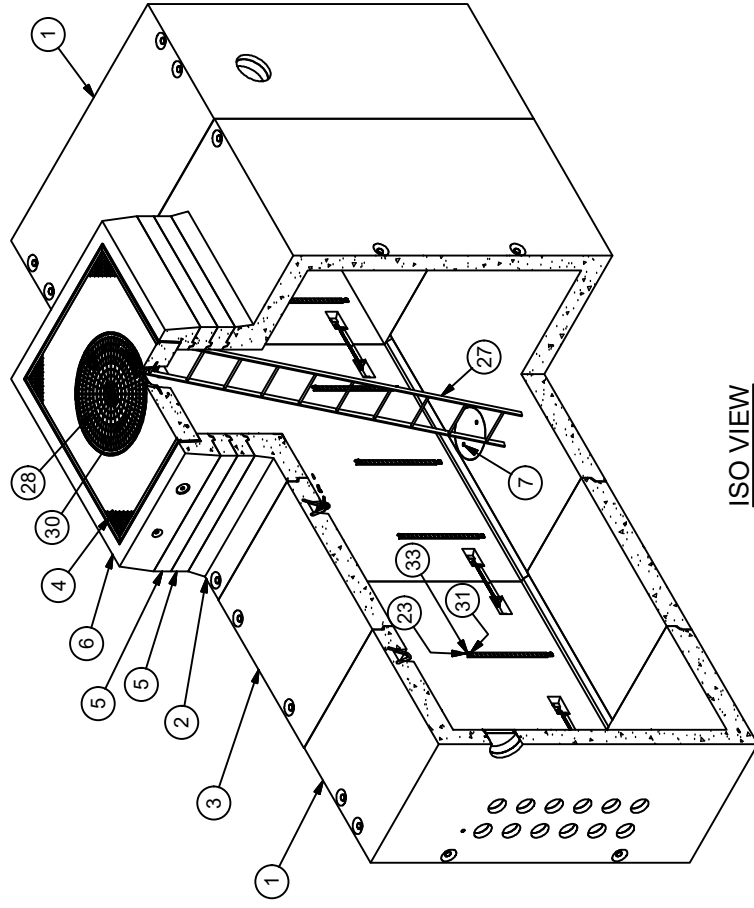
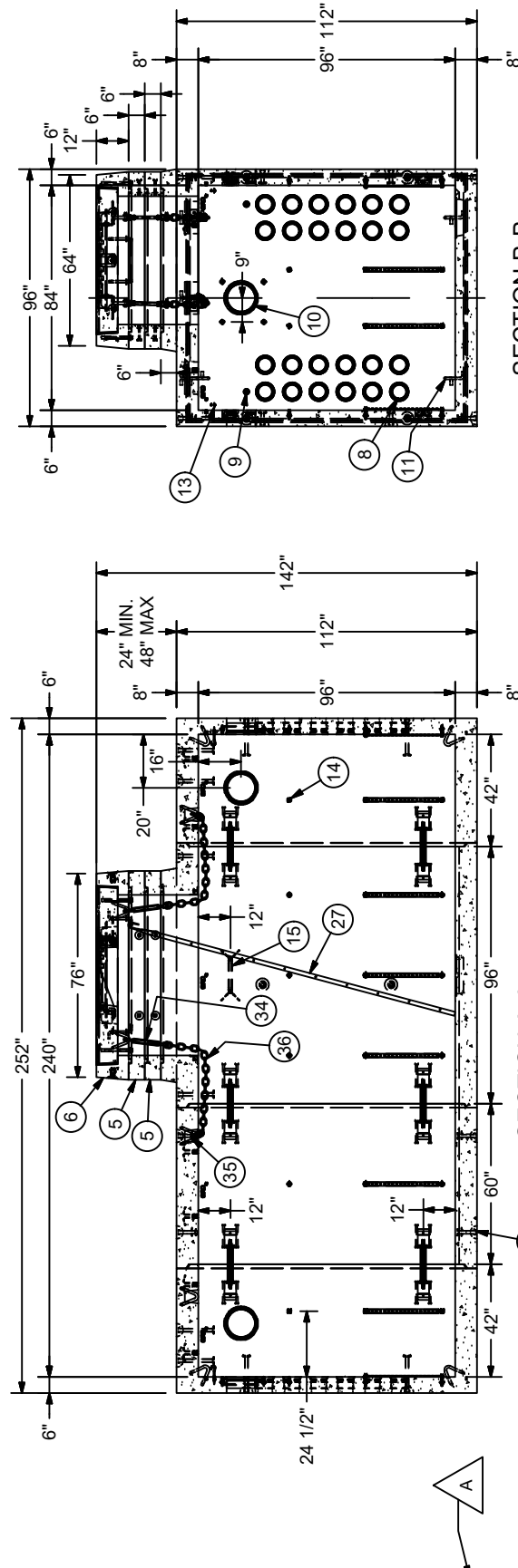


ITEM	PART NUMBER	DESCRIPTION	QTY	MOUNT	WEIGHT (lbs)
1	TV78-E42-N-11	7'-0" X 8'-0" X 3'-6" END SECTION	2		14643
2	TV78-C96-N-11	7'-0" X 8'-0" X 8'-0" CENTER SECTION	1		21791
3	TV78-R60-N-11	7'-0" X 8'-0" X 5'-0" EXTENSION SECTION	1		13807
4	VN45-T8-11S	COVER SLAB, 4'-0" X 5'-0" X 0'-8" W/30" DIA. RING	1		1731
5	VN45-R6	4'-0" X 5'-0" X 0'-6" RISER	2		1167
6	VN45-N12-11	NECK, 4'-0" X 5'-0" X 1'-0" EDISON	1		1710
7	SC13-SUMP	SUMP COVER FOR 13" SUMP (15" O.D.) GALV DIA PLATE	1	CENTER SECTION	
8	55-30-52	TERMINATOR, 5" DIA. BLK W/SEAL T5001 MA	48	END SECTION	
9	22-30-01	1" PVC PIPE WITH CAP SCH 40 6'L	4	END SECTION	
10	55-30-80	10" DIA. PLASTIC VENT COUPLER W/CAP	6	END SECTION	
11	55-35-06	PULL IRON, 7/8" x 6" GALV.	21	EXT/END/SLAB SECTION	
12	55-10-425	1/2" THREADED BRONZE GROUND INSERT WELD TO REBAR "GRD" SHOULD BE STENCILED IN RED LETTERS	12	END/C/TREXT. SECTION	
13	55-10-422	INS THRD FRL LOOP .5X2.75 ZN FX-5	4	END SECTION	
14	55-10-424	INSERT, 1/2" PLASTIC W/ SNAP IMPERIAL I5000	47	END/C/TREXT. SECTION	
15	55-10-855	INSERT, 1" X 5" DBL COIL GALV.	1	CENTER SECTION	
16	55-10-850	INSERT, 1"x5 1/2" COIL GALV.	14	END/C/TREXT. SECTION	
17	BRK-TV	BRACKET TUNNEL VAULT (HBRKT3003) GALV	24	END/C/TREXT. SECTION	
21	55-11-336AS	EMBEDDED STAINLESS STEEL ANGLE 3"x3"x1/4"-6" LONG	4	CENTER SECTION	
22	20-10-461	BOLT, 1/2"x6" J GALV.	4	SHIPS LOOSE	
23	18-10-18	CABLE RACK, 18 HOLE GALV. W/TABS	12		
24	20-20-60	NUT, 3/4" HEX COIL POST YELLOW DIP	32	SHIPS LOOSE	
25	20-10-618	BOLT, 3/4" X 18" COIL POST YELLOW DIP	12	SHIPS LOOSE	
26	20-25-61	WASHER, 3/4" CUT PLATED	8	SHIPS LOOSE	
27	15-10-24	LADDER, 10'-6" ED/LA GALV.	1	CENTER SECTION	
28	04-30-114	COVER 30" SWIVELOC "EDISON"	1		
29	20-10-610	BOLT, 3/4" X 10 1/2" COIL POST YELLOW DIP	4	SHIPS LOOSE	
30	20-30-06	PLUG, RUBBER PICKHOLE ED/LA C.I. COVER	1	SHIPS LOOSE	
31	20-10-422	BOLT, 1/2"x2 1/2" HEX HD SS A304	24		
32	20-25-44	WASHER, 3"x3"x1/2" W/7/8" HOLE GALV.	24	SHIPS LOOSE	
33	20-25-41	WASHER, 1/2" FLAT PLATED	24		
34	20-10-813	TURNBUCKLE CLEVIS-TO-CLEVIS 3/4 THREADED	4	SHIPS LOOSE	
35	20-10-811	5/8" GALV. SHACKLE WITH 3/4" PIN W/ COTTER PINS	4	SHIPS LOOSE	
36	20-10-810C	1/2" GALV. CHAIN, 7-1/2 FT LONG, GRADE 30 (FIELD CUT)	4	SHIPS LOOSE	

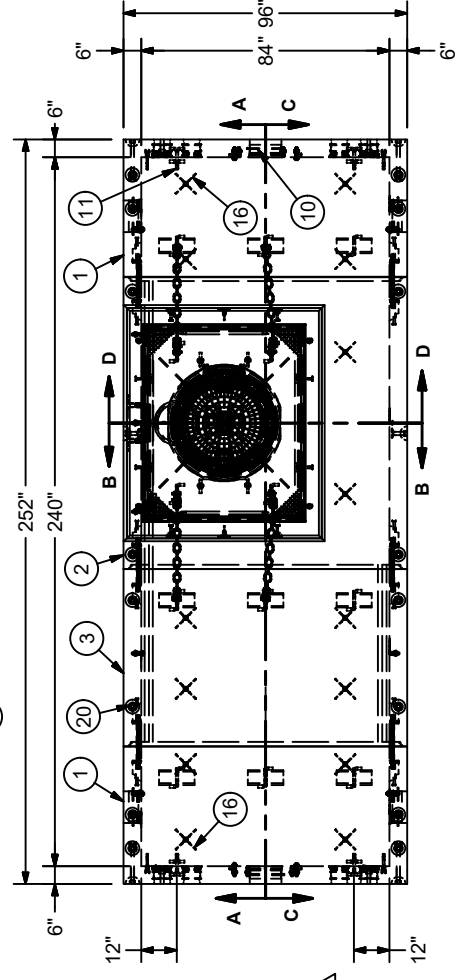


ISO VIEW

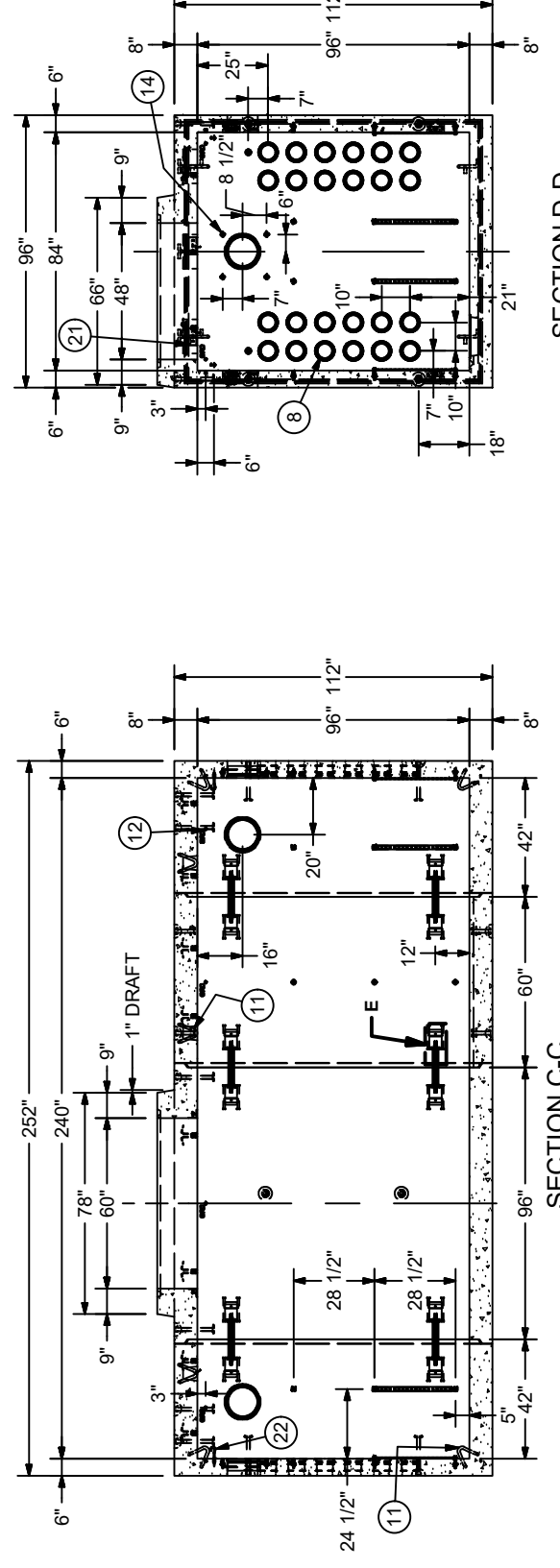
- NOTES:
- DESIGNED IN ACCORDANCE WITH AASHTO H-20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #31658.
  - COVER DESIGN FOR TRAFFIC LOADING.
  - MINIMUM EXCAVATION SIZE: 9'-0" X 22'-0" DEPTH REQ'D.
  - VAULT TO BE PLACED ON A MIN. 6" BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
  - CONCRETE MIX USED IN POURING THIS PRODUCT SHALL USE FLY ASH AS AN ADMIXTURE.
  - FINISH COATING: ALL INTERIOR WALLS AND CEILING SHALL BE PAINTED WHITE.
  - ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT.
  - MINIMUM EXCAVATION SIZE: 9'-0" X 22'-0" DEPTH REQ'D.



SECTION A-A



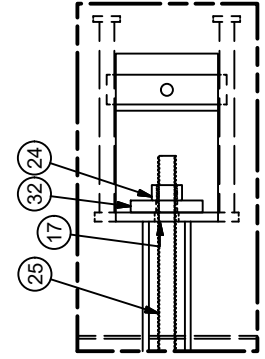
PLAN VIEW



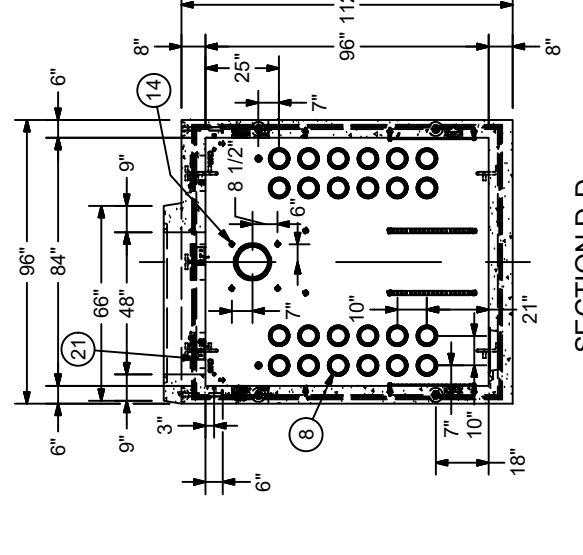
SECTION C-C



SECTION B-B



DETAIL E  
BOLT-UP DETAIL



SECTION D-D

SPECIAL HANDLING NOTE: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED WITH 4 (FOUR) EQUALLY LOADED RIGGINGS LEGS MIN. 60° SLING ANGLE, MEASURED FROM HORIZONTAL.

REVISION HISTORY

REV	DATE	DESCRIPTION	BY
A	3/15/2018	REVISED CHAIN FROM 20-10-810 TO 20-10-810C, 55-11-336 TO 55-11-336AS	RR

**JENSEN PRECAST** EST. 1968  
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VAULT DESC: 7'-0" X 8'-0" FLAT WALL TUNNEL VAULT X 20'-0" LONG
PART NO: K78-TV20-N-11TCOMP
DATE CREATED: 12/19/2017
DATE MODIFIED: 12/21/2017
DRAWN BY: RRAMOS
SHEET: 1 OF 1
REV: A