

# 7'-0" X 14'-0" COLTON VAULT X 96" DEEP

**NOTES:**

- VAULT DESIGNED IN ACCORDANCE WITH AASHTO HS 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. #31004.
- VAULT TO BE PLACED ON A MIN. 6" BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
- LIMITS OF COVER OVER ROOF SECTION IS 1'-0" TO 5'-0".
- CONCRETE MIX USED IN POURING THIS PRODUCT SHALL USE FLY ASH AS AN ADMIXTURE.
- ALL WALLS AND CEILINGS SHALL BE PAINTED WHITE.
- EACH SECTION SHALL BE MARKED WITH THE DATE OF POUR, PART NUMBER, PRODUCT NUMBER, AND JENSEN PRECAST.

**THE FOLLOWING MATERIAL TO BE SHIPPED WITH THE VAULT**

- a) 7/8" x 1 3/4" GASKET (46 F.T. REQ'D.).
- b) 8 HOLE CABLE RACK (9 REQ'D.).
- c) 1/2" X 2" HEX HEAD BOLTS (18 REQ'D.).
- d) 1/2" X 6" J-BOLTS (4 REQ'D.).

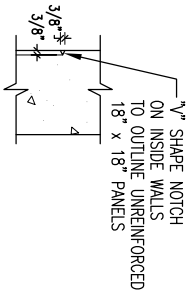
**ORDERING INFORMATION:**

K714-FV96-18 FOR ASSEMBLY AS SHOWN,  
TOTAL WEIGHT OF ASSEMBLY SHOWN AS 50,930#.

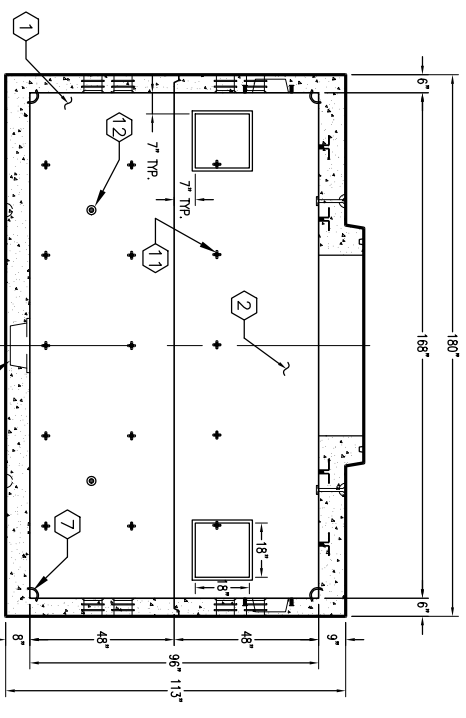
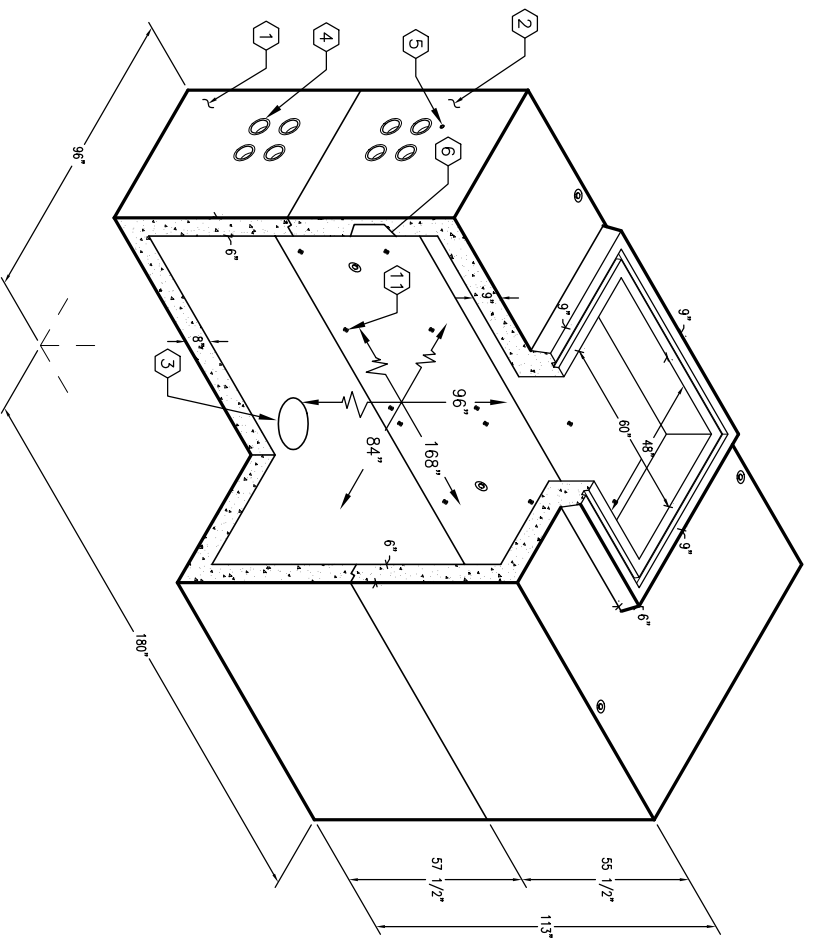
**GENERAL NOTES:**

1. Minimum soil bearing capacity is hereby assumed to be 2000 PSF unless otherwise documented by a geotechnical report that shall be provided to Jensen Precast by the end user. Jensen Precast shall not be held responsible for the soil bearing capacity.
2. Installation of Manholes, Vaults, Handholes, Meter Boxes etc. will be as per Jensen installation procedures.
3. Structural modification to the Jensen line of products is not permitted without prior written approval from Jensen Engineering Department.
4. Do not scale the drawings, verify all dimensions including rough openings, if any discrepancies are found, notify the Jensen Engineer immediately.
5. The Jensen Engineer will interpret the intent of the drawings in case of possible conflict or discrepancy.
6. Permissible Variations:  
Dimensional Tolerances - The length, width, height, or dia. measurements of the structure when measured on the inside surfaces shall not deviate from design dimensions by more than the following:  
Dimensions:                   Tolerance:  
0 to 5 Feet                   1/4"  
5 to 10 Feet                 3/8"  
10 to 20 Feet as agreed upon between the supplier and purchaser.  
Squariness Tolerance: The inside of the precast concrete component shall be square as determined by diagonal measurements. The difference between such measurements shall not exceed the following:  
Measured Length: Allowable Difference  
0 to 10 Feet                 1/2"  
10 to 20 Feet                 3/4"  
20 Feet and over as agreed upon between the supplier and purchaser.
7. Squariness Tolerance: The inside of the precast concrete component shall be square as determined by diagonal measurements. The difference between such measurements shall not exceed the following:  
Measured Length: Allowable Difference  
0 to 10 Feet                 1/2"  
10 to 20 Feet                 3/4"  
20 Feet and over as agreed upon between the supplier and purchaser.

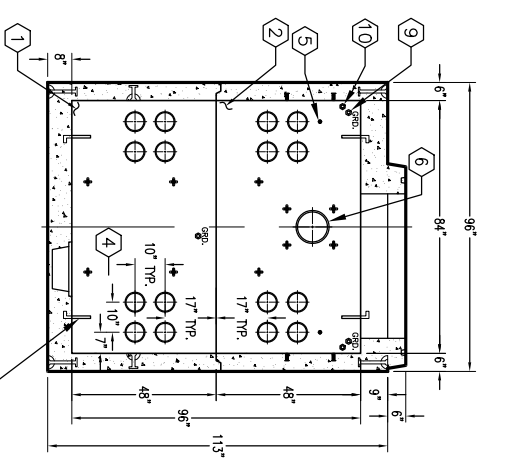
1. UV714-B48-18, 48" BOTTOM SECTION, WT. 25,200#.
2. UV714-T48-18, 48" TOP SECTION, WT. 25,730#.
3. 13" x 14" DIA. SUMP x 7 1/2" DEEP W/RECESS TO ACCOMMODATE SUMP COVER. BOTTOM SECTION (1) CORE MTD.
4. 6" DIA. GRAY CONTERMS. BOTTOM SECTION (16) CORE MTD.; ROOF SECTION (16) CORE MTD.
5. 1" DIA. SCH. 40 PVC CONDUIT, CAPPED FLUSH WITH OUTSIDE WALL. ROOF SECTION (2) CORE MTD.
6. 10" DIA. x 4" DEEP ABS PLASTIC VENT TERMINATORS. ROOF SECTION (2) CORE MTD.
7. 7/8" DIA. x 6" GALV. PULL IRON. BOTTOM SECTION (4) CORE MTD.; ROOF SECTION (4) CORE MTD.
8. X 1" COIL GALV. THRD. INSERT. ROOF SECTION (6) CORE MTD.
9. 1/2" THRD. BRONZE INSERT BRAZED TO STRUCTURAL STEEL. "GRD" SHALL BE STENCILED IN RED LETTERS (1 1/2" MIN. TO 2" MAX) ON THE CONCRETE ABOVE EA. INSERT. BOTTOM SECTION (2) CORE MTD.; ROOF SECTION (4) CORE MTD.
10. 1/2" P-36T INSERT. TOP SECTION (4) CORE MTD.
11. 1/2" PLASTIC INSERT. BOTTOM SECTION (22) CORE MTD.; ROOF SECTION (28) CORE MTD.



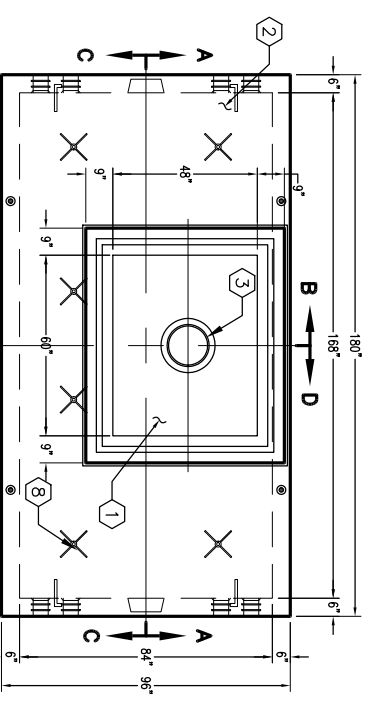
**DETAIL 1**  
(SCALE: 1 1/2" = 1'-0")



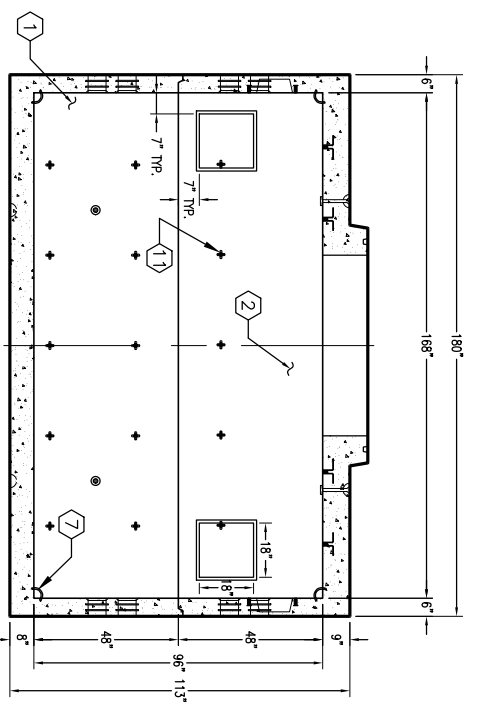
**SECTION A-A**



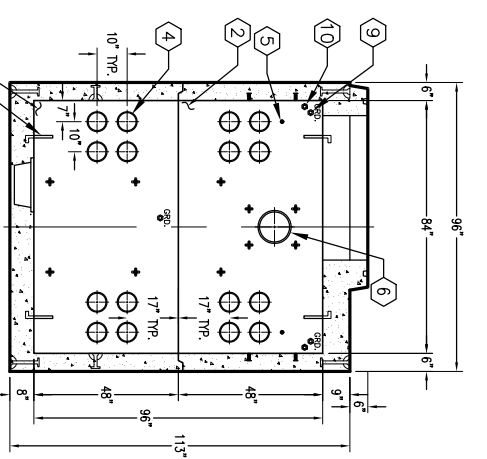
**SECTION B-B**



**PLAN VIEW**



**SECTION C-C**



**SECTION D-D**



AUTOCAD REL. 14

**K714-FV96-18**

PER CITY OF COLTON-406.01

03-01-02



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#	DATE	DESCRIPTION	BY