

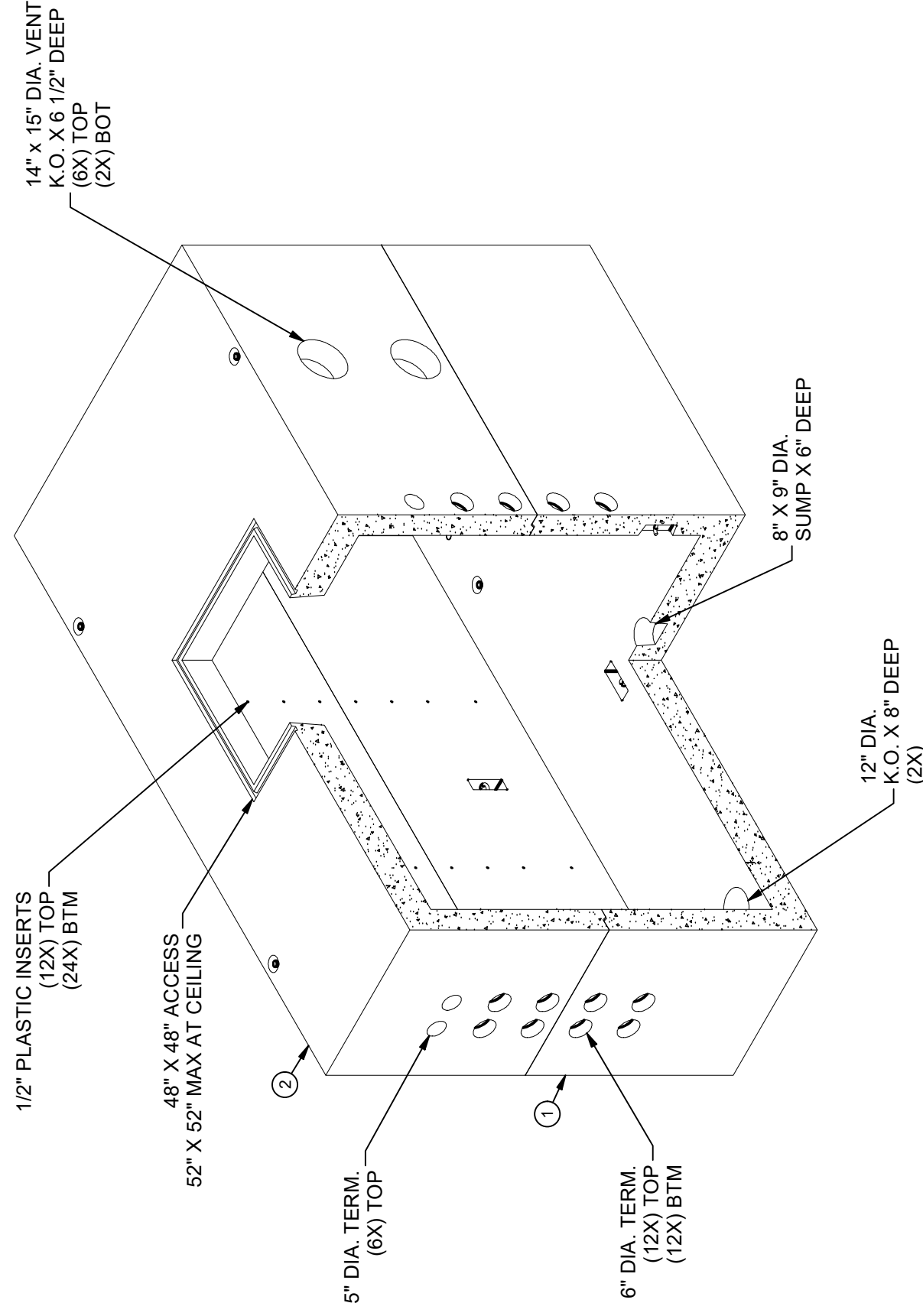
LIFTING NOTES

- THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED WITH 4 EQUALLY LOADED RIGGINGS LEGS MIN. 90° SLING ANGLE, MEASURED FROM HORIZONTAL.

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	MASS (LBS)
1	1	1	200022709	Vault 96192x57 Rect. Bottom Section LADWP H-246 G-1	45941
2	1	1	200022710	Vault 96192x57 Rect. Top Section 4848 LADWP H-246 G-1	42786

<p>NOTES:</p> <ul style="list-style-type: none"> <li>STANDARDS. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, WITH 2014 CALTRANS AMENDMENTS, CITY OF LOS ANGELES BUREAU OF ENGINEERING STANDARD PLAN S-601, LATEST, MANUAL PART H, LADWP P 178, ASTM C-857. STRUCTURAL CALCS FOR BOX: #33604.</li> <li>MATERIAL. CONCRETE, F'c=5,500 PSI. MIX TO INCLUDE FLY ASH AND DCI. REINFORCEMENT PER ASTM A-706 OR A-615, Fy=60,000. A-615 REINFORCEMENT SHALL BE HAND TIED.</li> <li>LOADS. VERTICAL LIVE LOAD: AASHTO HL-93. LIVE LOAD SURCHARGE: PER LA BOE PART H, FIGURE H 374.2A. MINIMUM 80 PSF (TO BOTTOM OF VAULT) OR LADWP P 178 (104 PSF). SOIL LATERAL LOADS: 40 PCF (DRY), 81 PCF (SATURATED), SATURATED SOIL CONDITIONS 3'-0" BELOW GRADE. SOIL BEARING CAPACITY = 1,500 PSF. DESIGN SOIL DENSITY IS 120 PCF.</li> <li>LOADS NOT INCLUDED. DESIGN DOES NOT INCLUDE COOPER E-80 RAILROAD LOADS OR LATERAL OR SURCHARGE LOADS THAT ARE PRODUCED BY FOOTING OR FOUNDATIONS ADJACENT TO THE STRUCTURE. THIS SUBSTRUCTURE SHALL BE KEPT AT LEAST IN A 1:1 RATIO AWAY FROM ALL FOOTINGS AND FOUNDATIONS, UNLESS THE ENGINEER OF RECORD APPROVES IN WRITING.</li> <li>INSTALLATION. PULL BOX TO BE PLACED ON A MIN. 6" BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION. BASE MATERIAL IN ACCORDANCE WITH SECTION 200-2 OF THE SSPWC (GREEN BOOK).</li> <li>INSTALLATION LIMITS. VAULT SHALL HAVE A MINIMUM COVER 1'-6" AND A MAXIMUM COVER OF 4'-0".</li> <li>EACH CONCRETE SECTION SHALL BE MARKED ON THE INSIDE &amp; OUTSIDE WITH "JENSEN PRECAST", THE DESIGNATION "DWPI/FA-CN", AND THE DATE OF THE POUR.</li> <li>EACH CONCRETE SECTION SHALL HAVE CAST-IN ON THE INSIDE "JENSEN", THE YEAR, AND THE DESIGNATION "FA-CN".</li> <li>EACH PIECE TO BE STENCILLED WITH ITS PART NO. TOP SECTION TO BE MARKED "200022710" BOTTOM SECTION TO BE MARKED "200022709"</li> <li>NO SHARP OR ROUGH EDGES ON THE TERMINATORS ENTERING THE VAULT.</li> <li>100010426 VAULT NECK AND COVER, WITH APPROVED CAST IRON COVER TO BE USED WITH THIS VAULT.</li> <li>MINIMUM EXCAVATION SIZE: 10'-4" X 18'-4" X DEPTH REQ'D.</li> <li>ADDITIONAL SUBMITTAL, PERMIT AND CONSTRUCTION PLAN REVIEW WILL BE REQUIRED FOR EACH PROJECT LOCATION. SUBMIT TO CITY ENGINEERS FOR APPROVAL PRIOR TO START OF ANY CONSTRUCTION.</li> <li>ALL INSTALLATIONS SHALL COMPLY WITH ALL OTHER LOCAL GOVERNING CODES AND REGULATION INCLUDING CALIFORNIA PUBLIC UTILITIES COMMISSION REGULATIONS.</li> </ul>	<p>BURY DEPTH: 1.5' - 4.0' to Top of Section</p> <p>WATER LEVEL: 3.0'</p> <p>DESIGN SPEC: ASTM C857, AASHTO LRFD</p> <p>AGENCY: LADWP</p>	<p>WEIGHT: 88728.98 Lbs</p> <p>LOADING SPEC: AASHTO HL-93</p> <p>AGENCY SPEC: H-246 G-1</p>
--	---	---



ISOMETRIC VIEW

REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	6/18/2019	

DESCRIPTION:	Utility Vault 96192X57 Layout Assembly LADWP H-246 G-1
PART NUMBER:	100014902
CREATED:	6/17/2019
REVISED BY:	M. Ho
MODIFIED:	6/20/2019

©2018 Jensen Precast. All rights reserved. All materials appearing as Jensen Precast documents and the like are proprietary work product and are protected under U.S. copyright and other laws. Unless in conjunction with business conducted with Jensen Precast, any use of Jensen Precast work product without express, written consent is prohibited, and recipient is prohibited from distributing any and all work product to non-approved third parties under penalty of civil action.

EST. 1968

WWW.JENSENPRECAST.COM

WATER LEVEL:	3.0'	WEIGHT:	88728.98 Lbs
DESIGN SPEC:	ASTM C857, AASHTO LRFD	LOADING SPEC:	AASHTO HL-93
AGENCY:	LADWP	AGENCY SPEC:	H-246 G-1