

NOTES:

- STANDARDS. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, WITH 2022 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: #33541.
- MATERIAL. CONCRETE, F_c=5,500 PSI. MIX TO INCLUDE FLY ASH AND DCI. REINFORCEMENT PER ASTM A-706, F_y=60,000.
- 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.
- 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.
- INSTALLATION. VAULT 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).
- INSTALLATION LIMITS. TOP OF VAULT SHALL BE AT GRADE.
- EACH CONCRETE SECTION SHALL BE MARKED ON THE INSIDE & OUTSIDE WITH "JENSEN PRECAST", THE DESIGNATION "DWP/FA-CN", AND THE DATE OF THE POUR.
- EACH CONCRETE SECTION SHALL HAVE CAST-IN ON THE INSIDE "JENSEN", THE YEAR, AND THE DESIGNATION "FA-CN".
- EACH PIECE TO BE STENCILIED WITH ITS PART NO.
- MINIMUM EXCAVATION SIZE: 4'-9" X 8'-4" X DEPTH REQD.
- VAULT SHALL HAVE FABRICATION AND SITE INSPECTION BY LA CITY INSPECTOR IN ACCORDANCE WITH SECTION 2-11 & 4-1.3 OF THE LATEST LA BOE "BROWN BOOK"
- 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.
- ALL INSTALLATIONS SHALL COMPLY WITH ALL OTHER LOCAL GOVERNING CODES AND REGULATION INCLUDING CALIFORNIA PUBLIC UTILITIES COMMISSION REGULATIONS.

**STOCKPILE - JENSEN PRECAST
CITY OF LOS ANGELES INSPECTION
REQUIRED WO# C0034604**

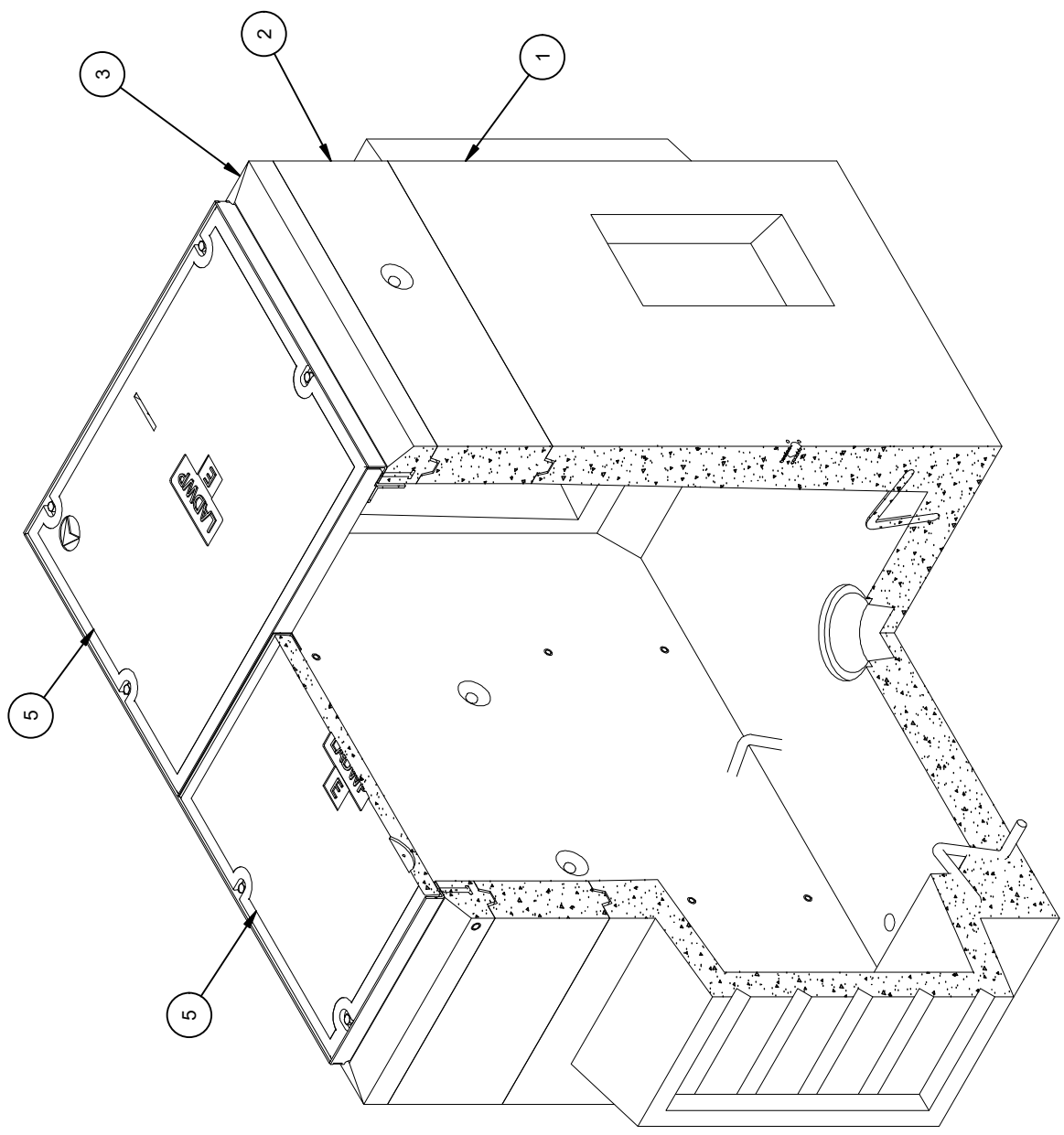
LIFTING NOTES

- 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'
DESIGN SPEC:	AASHTO LRFD/ACI 318, ASTM C857
AGENCY:	LADWP
	APPROX. WEIGHT: 6790.48 Lbs
	LOADING SPEC: AASHTO HL-93
	AGENCY SPEC: E-459 COLA RPM

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	MASS (lb)
1	1	1	100012246	Vault 3660x42 Rect. Bottom Section Knockout Ducted, Sump LADWP E-459 COLA	5138
2	1	1	200077010	Riser 3660x12 LADWP COLA	971
3	1	1	100012199	Top Riser 3660x6 Cast-In Frame LADWP E-459 COLA	386
4	1	1	100006367	STL BEAM 3660-T BAR GALV RPM	13
5	1	2	100007052	COVER 3660 POLYMER LADWP HALF	140
6	1	8	100004454	BOLT PENTA 1/2-13 UNC 0.875 HEAD 2.5L SS	
7	1	2	100004043	BOLT HEX 1/2-13 UNC 1.5 316SS	
8	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	



REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
B-3	RELEASED IN INVENTOR	7/6/2023	

DESCRIPTION:
Vault Layout 3660x60 Knockout Sump 36"x60"C LADWP E-459 COLA RPM

REV: B-4

SHEET: 1 OF 3

LAYOUT REVIEW

PART NUMBER: 100010360

DRAWN BY: D. Mejia

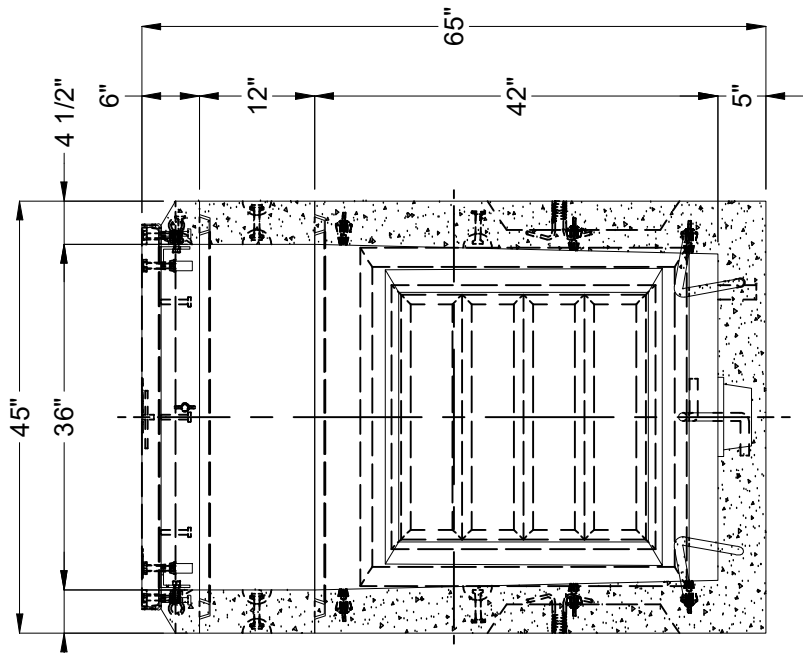
CREATED: 6/4/2019

MODIFIED: 7/6/2023

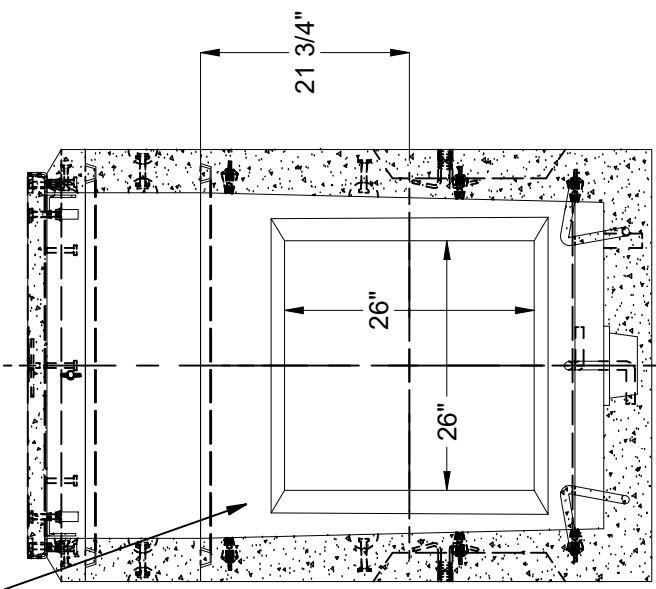


JENSEN PRECAST EST. 1968
WWW.JENSENPRECAST.COM

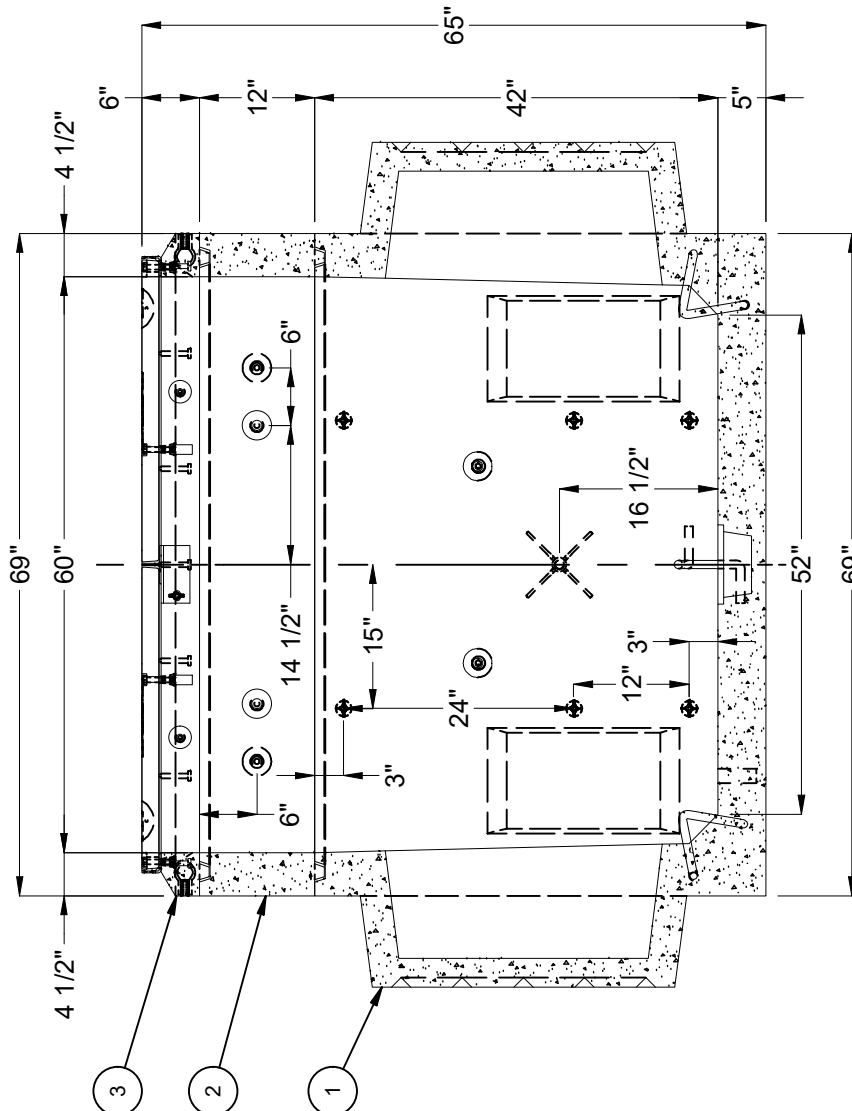
©2023 Jensen Precast. All rights reserved. All materials appearing as Jensen Precast documents and the like are proprietary work product and are protected under U.S. copyright and other laws. Unless in conjunction with business conducted with Jensen Precast, any use of Jensen Precast work product without 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.



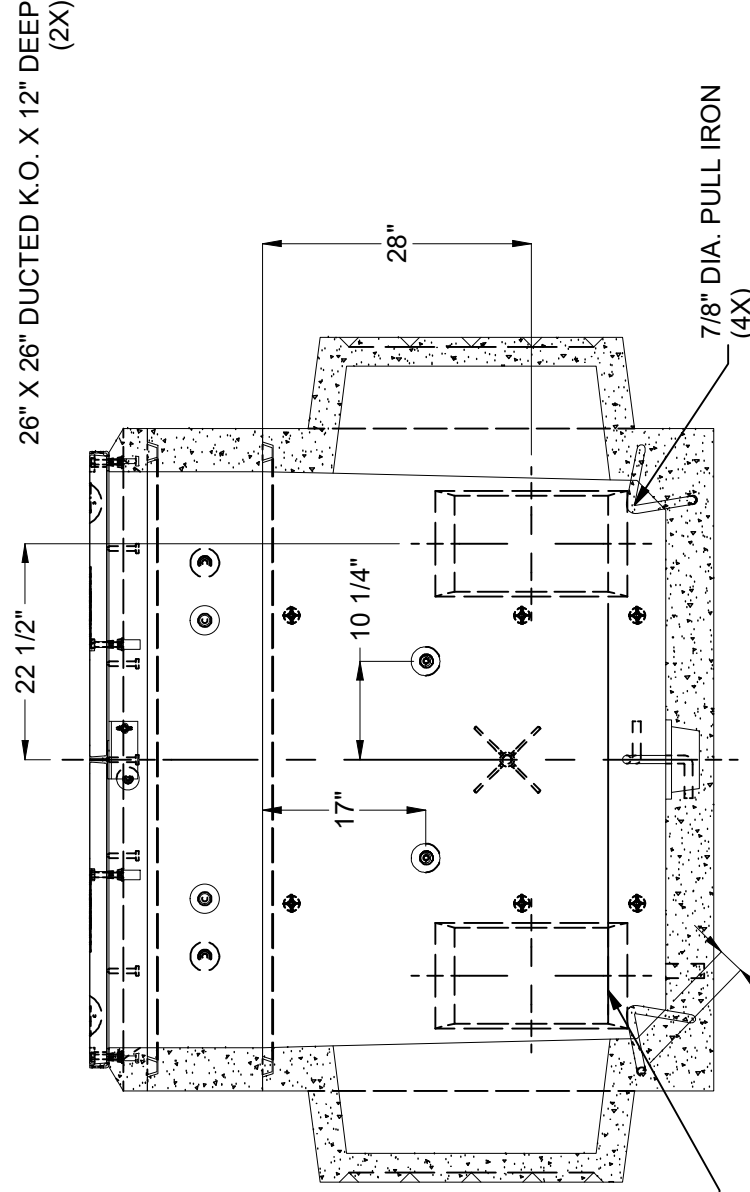
SECTION B-B



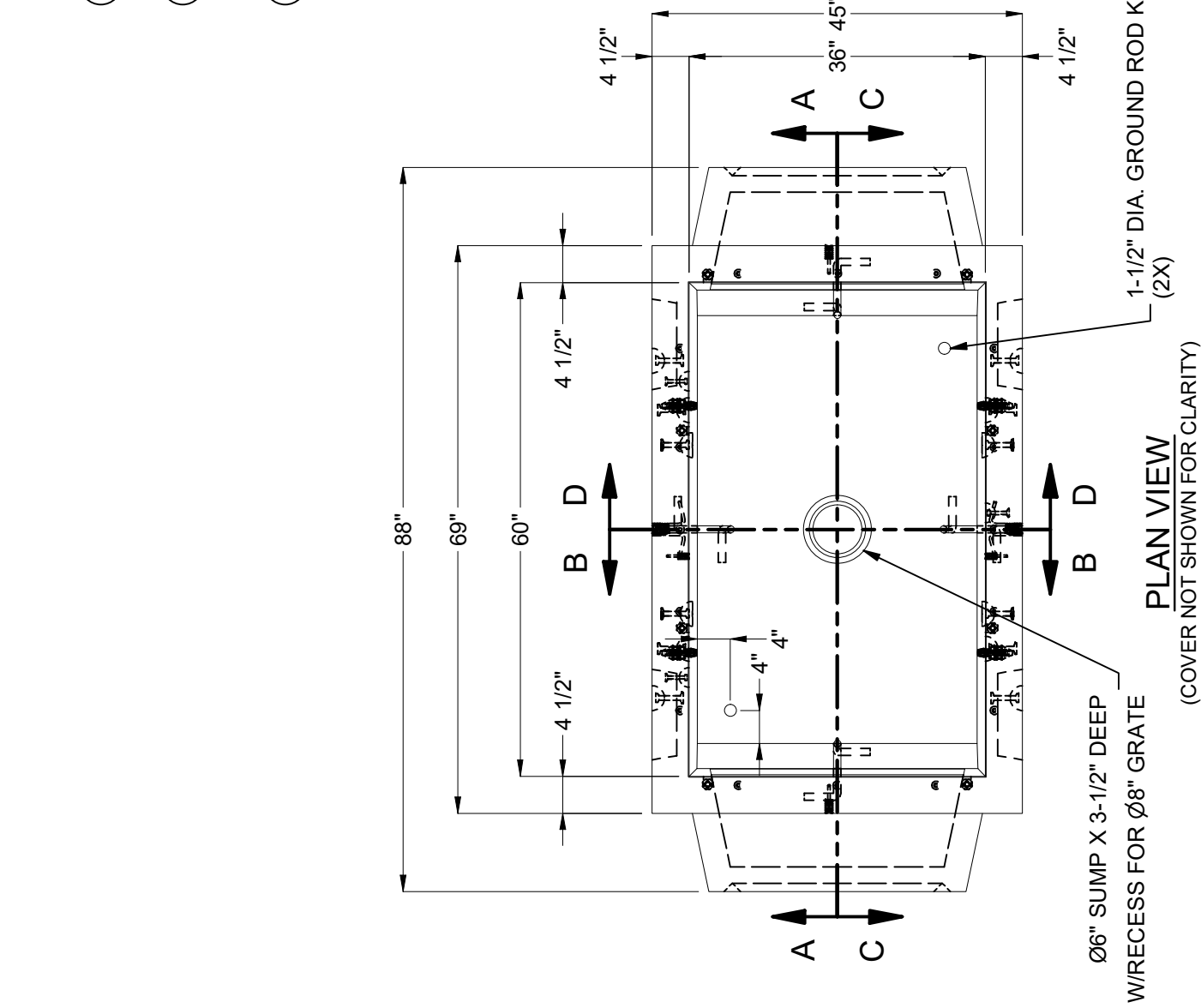
SECTION D-D



SECTION A-A



SECTION C-C



PLAN VIEW
(COVER NOT SHOWN FOR CLARITY)

BURY DEPTH:	0.0' - 0.0' to Top	DESCRIPTION:	Vault Layout 3660x60 Knockout Sump 36"x60"C LADWP E-459 COLA RPM	REV:	B-4
WATER LEVEL:	3.0'	APPROX. WEIGHT:	6790.48 Lbs	LAYOUT DRAWING	SHEET: 18
DESIGN SPEC:	AASHTO LRFD/ACI 318, ASTM C857	LOADING SPEC:	AASHTO HL-93	DRAWN BY:	D. Mejia
AGENCY:	LADWP	AGENCY SPEC:	E-459 COLA RPM	PART NUMBER:	100010360
				CREATED:	6/4/2019
				MODIFIED:	7/6/2023

©2023 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.

JENSEN PRECAST EST. 1968
WWW.JENSENPRECAST.COM