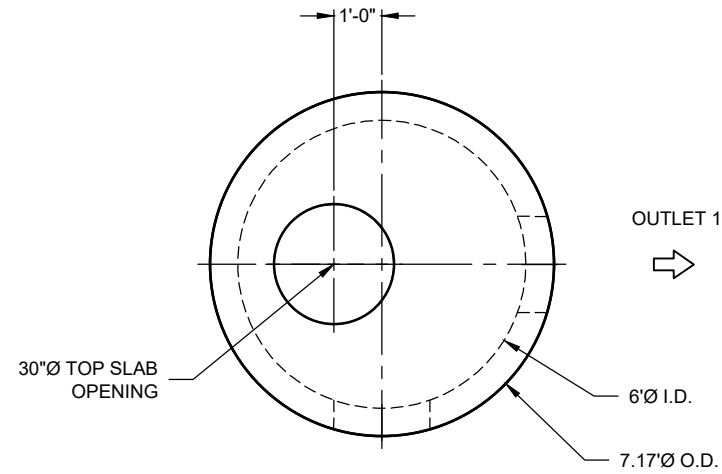
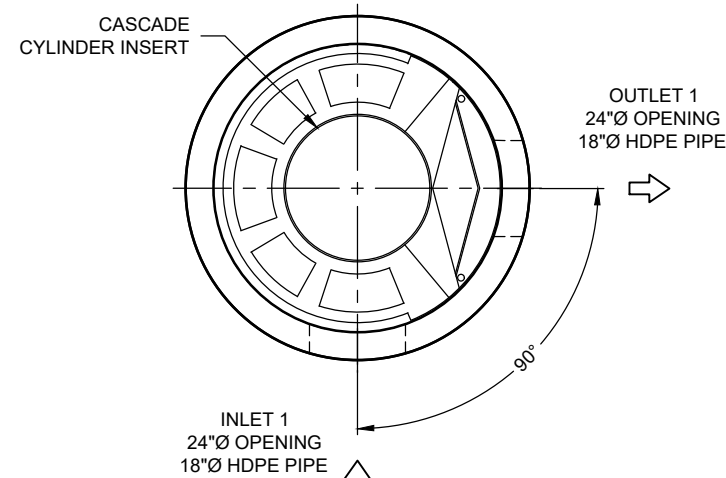


# 26-1880 733377 Larkin Springs Townhomes



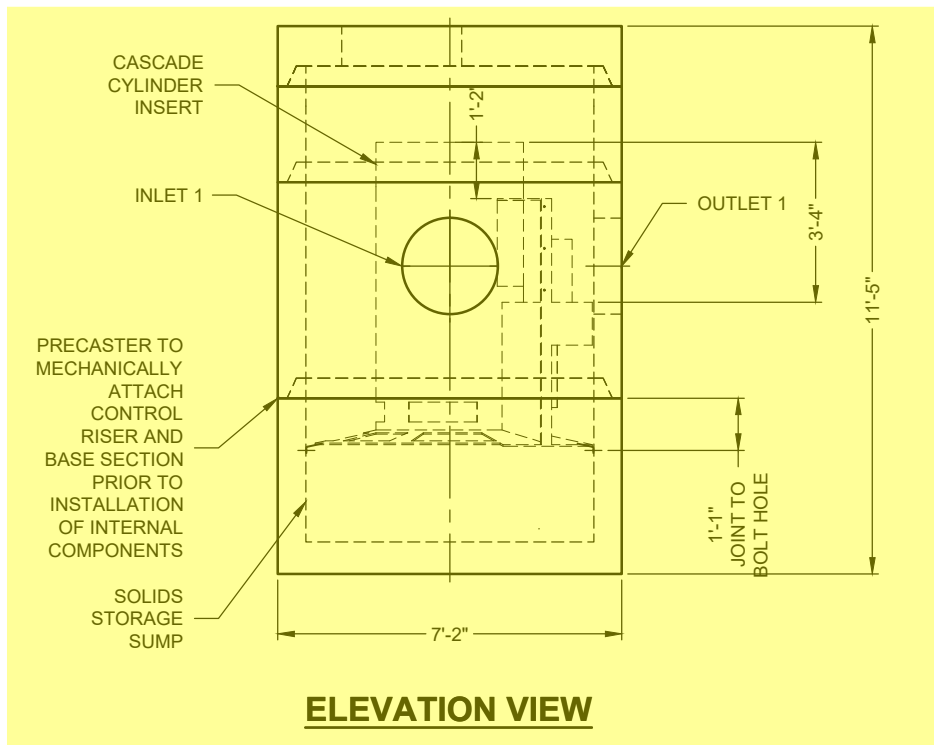
**PLAN VIEW**  
INTERNALS NOT SHOWN



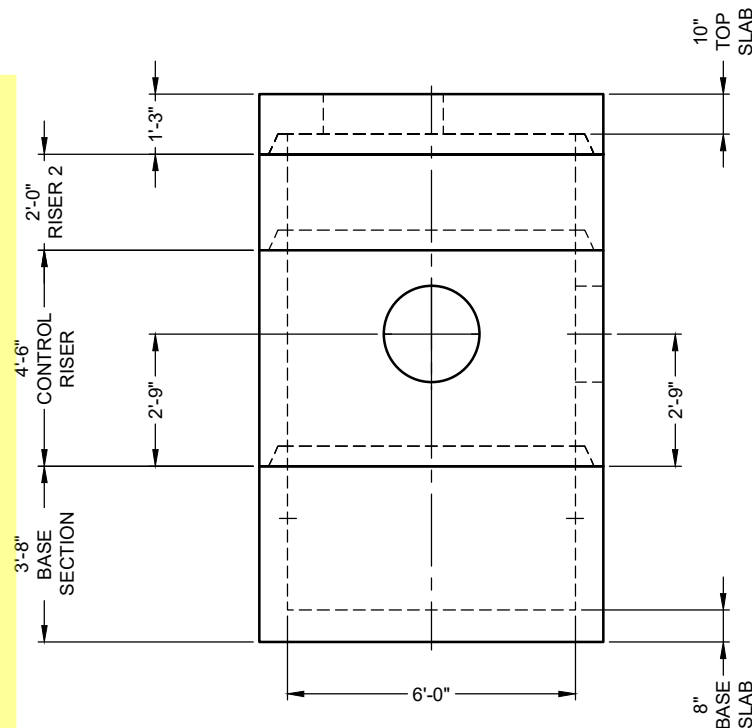
**PLAN VIEW FOR PIPE ORIENTATION**  
TOP SLAB NOT SHOWN

**15-CS-6**  
**ICAST to fully pre-assemble internal materials prior to shipment**

SEE INSTALLATION NOTE A



**ELEVATION VIEW**



**PRECAST COMPONENTS**  
INTERNALS NOT SHOWN

1  
ICAST  
5888 / 757440  
LAYOUT 1A  
12.93TS

CONTECH  
**FABRICATION**  
DRAWING

## MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-6 CYLINDER INSERT, STD.	325-003951	CONTECH	PRECASTER
5	CS-6 ALUMINUM INSTALLATION BRACKETS	325-003956	CONTECH	PRECASTER
1	CS-6 HARDWARE KIT	325-003965	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
1	30"Ø X 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR

## GENERAL NOTES

- DESIGN LOADING - AASHTO HS-20
- ALL PRECAST CONCRETE MANUFACTURED PARTS SHALL CONFORM TO ASTM C-478, WITH MINIMUM CONCRETE STRENGTH OF 4000 PSI AT 28 DAYS
- JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
- GROUND WATER ELEVATION ASSUMED AT OUTLET INVERT
- MANUFACTURING TOLERANCE = +/- 1/2-INCH
- SOME HIDDEN LINES MAY BE OMITTED FOR CLARITY

## INSTALLATION NOTES

- PRECASTER TO SHIP ACCESS CASTINGS WITH STRUCTURE
- REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- PRECASTER TO INSTALL INTERNAL COMPONENTS PRIOR TO SHIPPING UNLESS INSTRUCTED OTHERWISE BY CONTECH
- PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE
- APPLYING ALIGNMENT MARKS ON ALL PIECES OF MULTIPLE PIECE ASSEMBLIES IS ENCOURAGED
- IF STRUCTURE IS DELIVERED IN MULTIPLE SECTIONS, EACH PIECE SHALL BE LABELED WITH THE CONTECH PROJECT NUMBER, SEQUENCE NUMBER AND SITE DESIGNATION

## SITE INFORMATION

RIM ELEV. = 529.5+/-  
TOP OF STRUCTURE = 528.77  
INLET PIPE 1 INVERT ELEV. = 523.02  
INLET PIPE 1 DIAMETER AND MATERIAL = 18"Ø HDPE  
OUTLET PIPE INVERT ELEV. = 523.02  
OUTLET PIPE DIAMETER AND MATERIAL = 18"Ø HDPE  
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 517.35

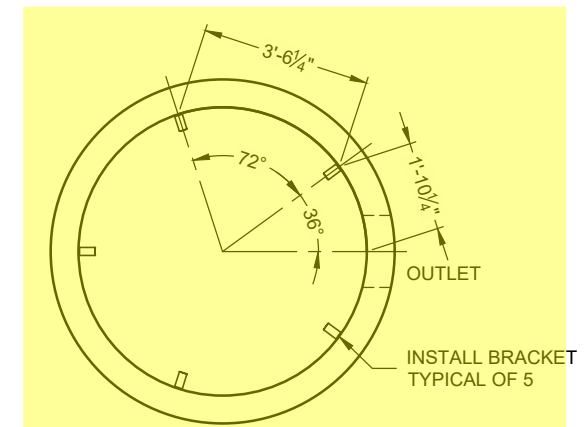
## STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 18500 LBS.  
STRUCTURE IS DELIVERED IN 3 PIECES

TOP SLAB = 5000 LBS.

RISER 2 = 4000 LBS.

CONTROL RISER = MECHANICALLY ATTACHED TO BASE SECTION  
BASE SECTION = 18500 LBS.



**SUPPORT BRACKET LAYOUT PLAN VIEW**

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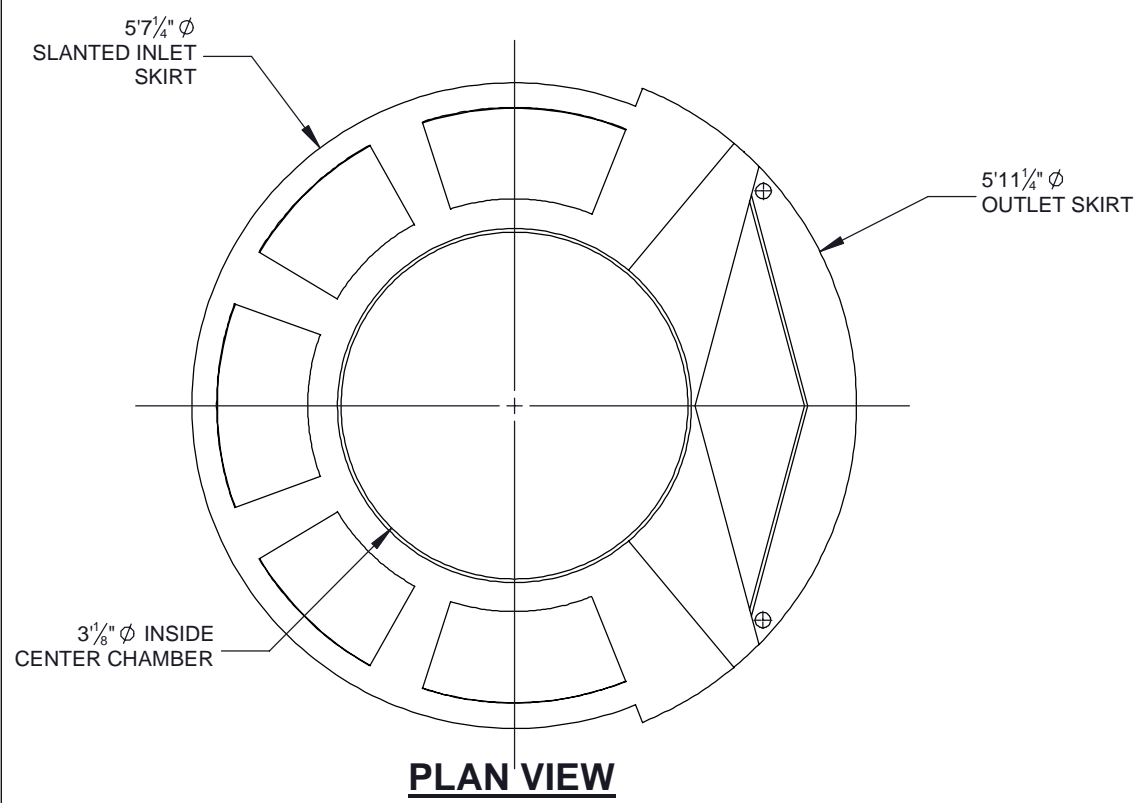
MARK	DATE	REVISION DESCRIPTION	BY
1	3/31/2026	PRECASTER CHANGE	MLC

CS-6 - 733377-15  
LARKIN SPRINGS TOWNHOMES  
MADISON, TN  
SITE DESIGNATION: D15

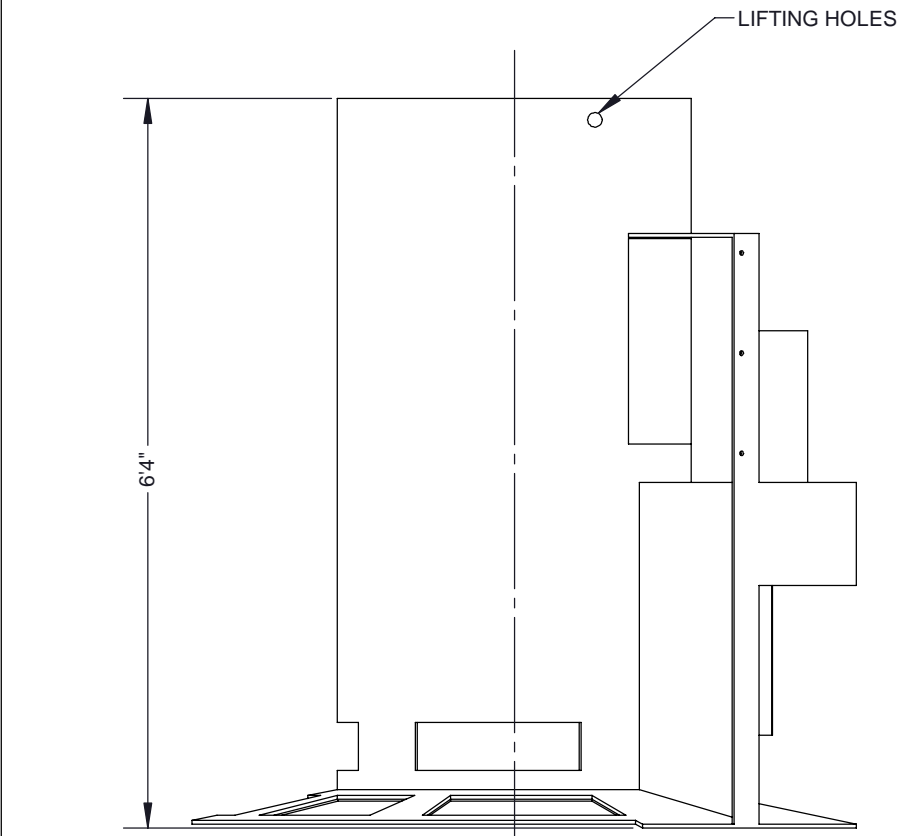
**CONTECH**  
ENGINEERED SOLUTIONS LLC  
A CONTECH COMPANY  
801 Edge Landing Road, Suite 350, Larkinsville, TN 37080  
415-497-1500 410-740-5600 410-740-8102 FAX  
**CASCADE separator**  
FOR PATENT INFORMATION, GO TO www.contech.com/PP

DATE:	10/12/2025		
DESIGNED:	MJS	DRAWN:	MLC
CHECKED:	DRA	APPROVED:	MJS
PROJECT No.:	733377	SEQUENCE No.:	15
SHEET:	1	OF	1

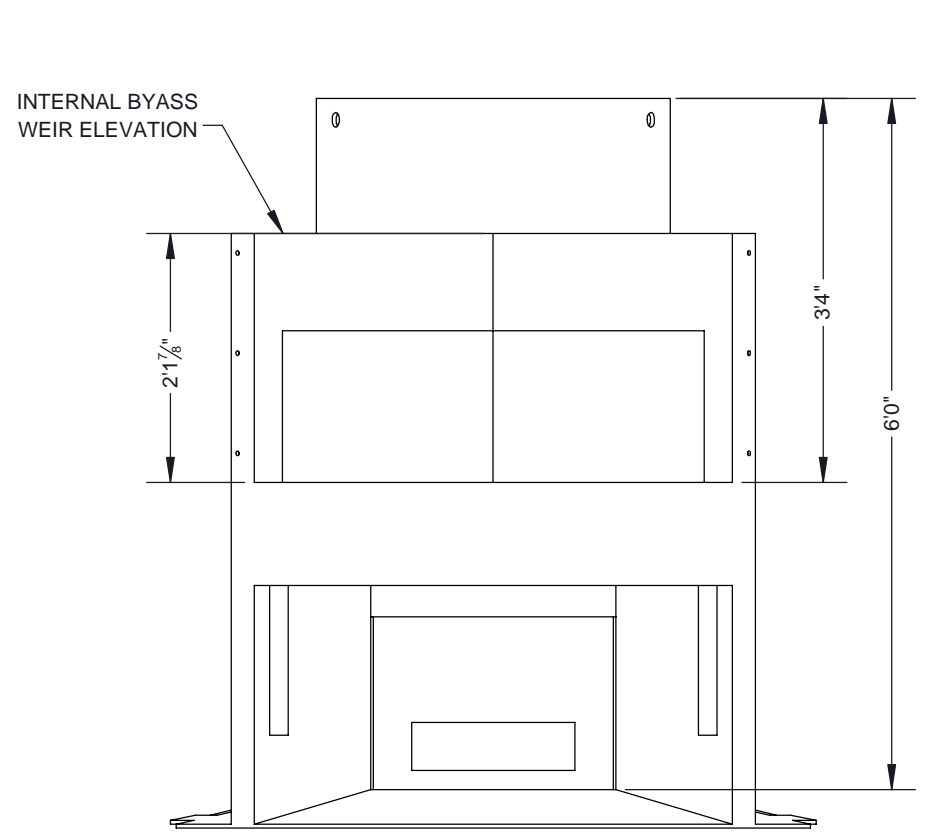
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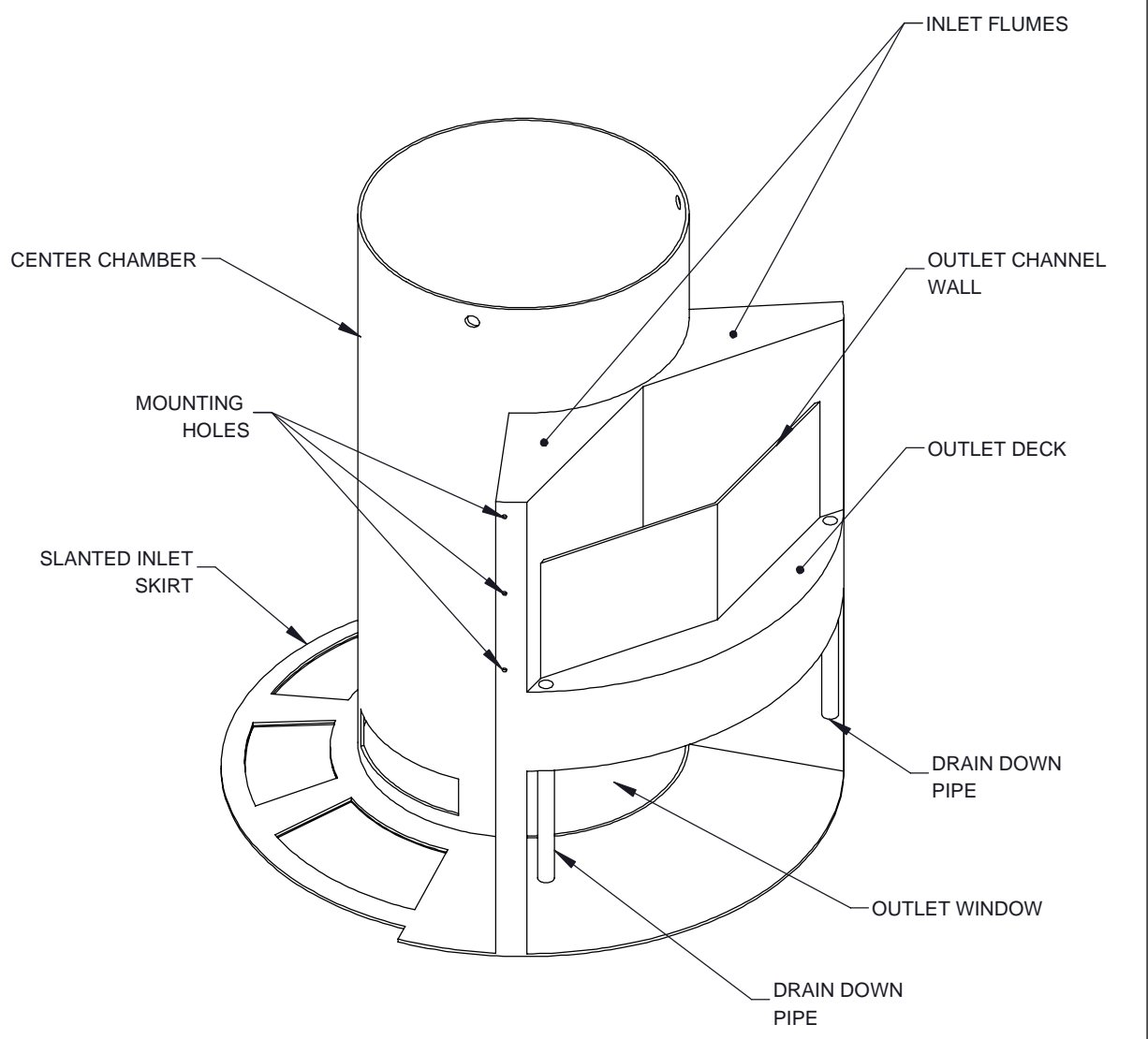
**PLAN VIEW**



**ELEVATION VIEW**



**ELEVATION VIEW: OUTLET SIDE**



**ISOMETRIC VIEW**

NOTES:  
1. SEE CASCADE SEPARATOR INSTALLATION GUIDE FOR ADDITIONAL INFORMATION

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800-338-1122 513-645-7000 513-645-7993 FAX

REFERENCE DETAIL  
INTERNALS CS-6  
CASCADE SEPARATOR

THIRD ANGLE PROJECTION

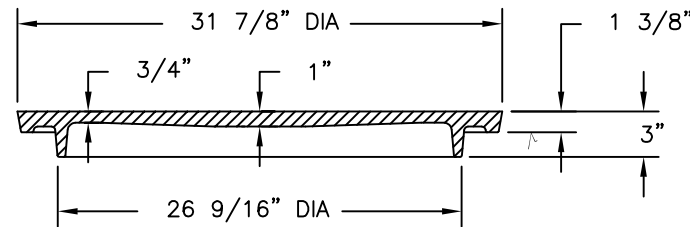
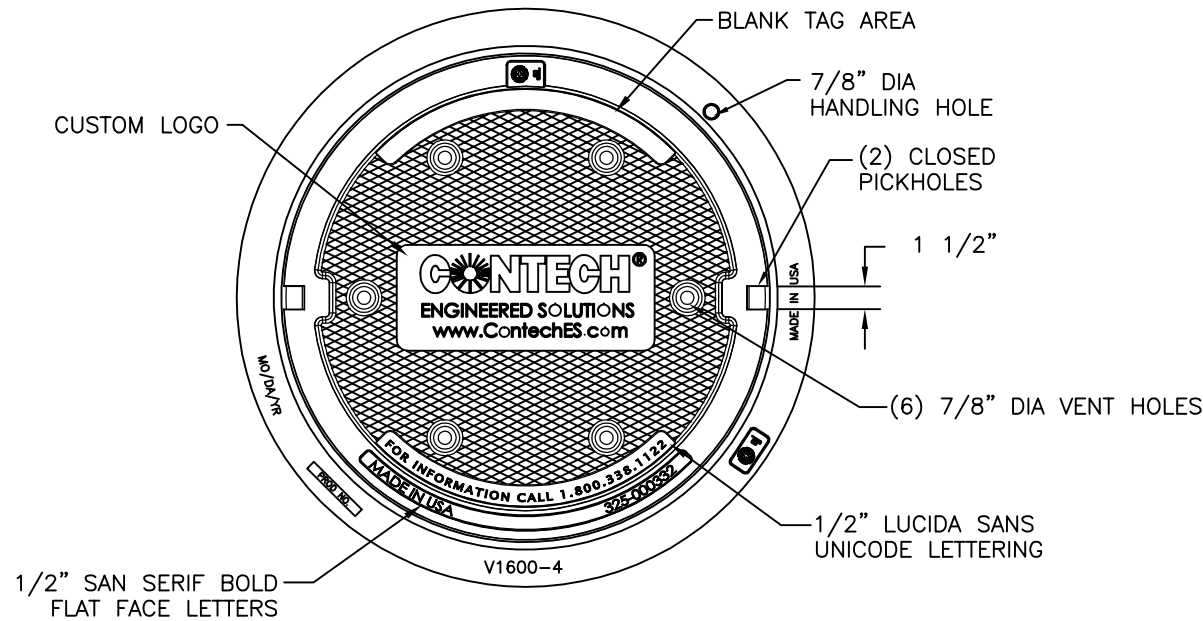
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

TOLERANCES:  
FRACTIONAL ± 1/16  
ANGLES ± 1 DEGREE  
TWO PLACE DECIMAL ± 0.06  
THREE PLACE DECIMAL ± 0.030

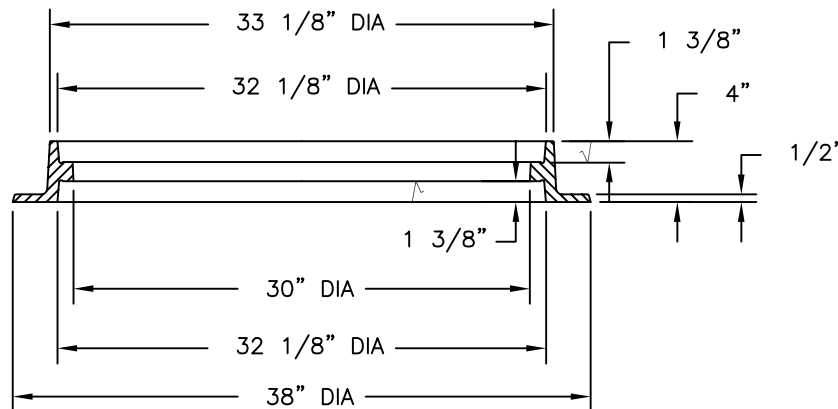
PART NUMBER: 325-003951		
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.15	REV: B
SCALE: N/A	SHEET 1 OF 1	

# 26-1880 733377 Larkin Springs Townhomes

## 1810B4 V1600-4 Assembly



**COVER SECTION**



**FRAME SECTION**

**Product Number**  
**41600483**

**Design Features**

- Materials
- Cover  
    Gray Iron (CL35B)
- Frame  
    Gray Iron (CL35B)

- Design Load  
  Heavy Duty
- Open Area  
  n/a
- Coating  
  Undipped
- √ Designates Machined Surface

**Certification**

- ASTM A48
- Country of Origin: USA

**Major Components**

00180783  
41600410

**Drawing Revision**

05/09/2007 Designer: SMH  
6/26/2017 Revised By: DAE

**Disclaimer**

Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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