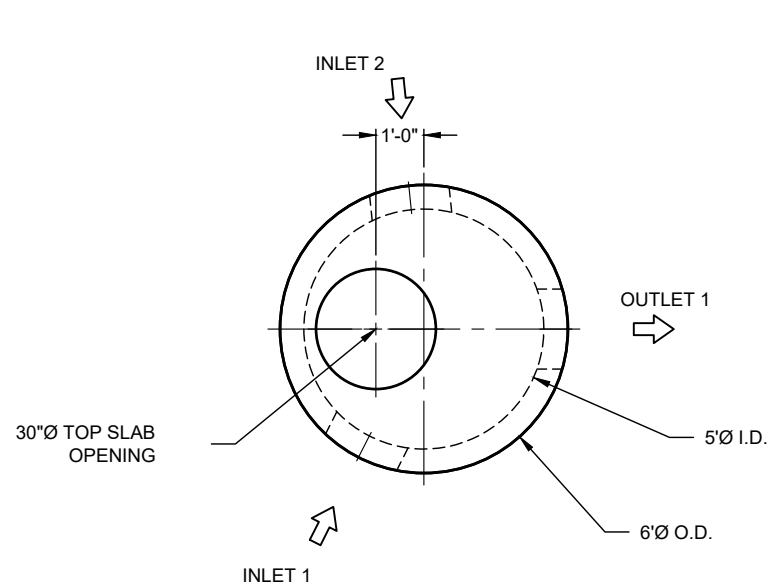
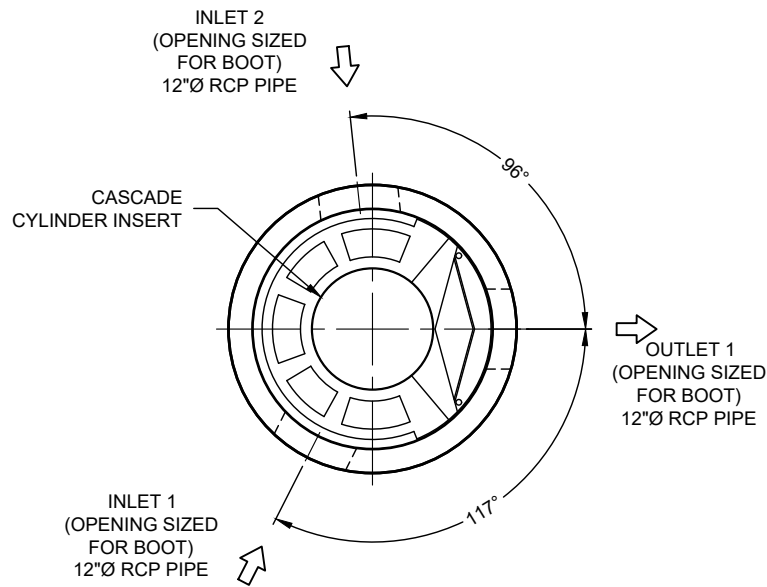


26-1427 - 876621 QT 3603 St Charles



PLAN VIEW
INTERNALS NOT SHOWN

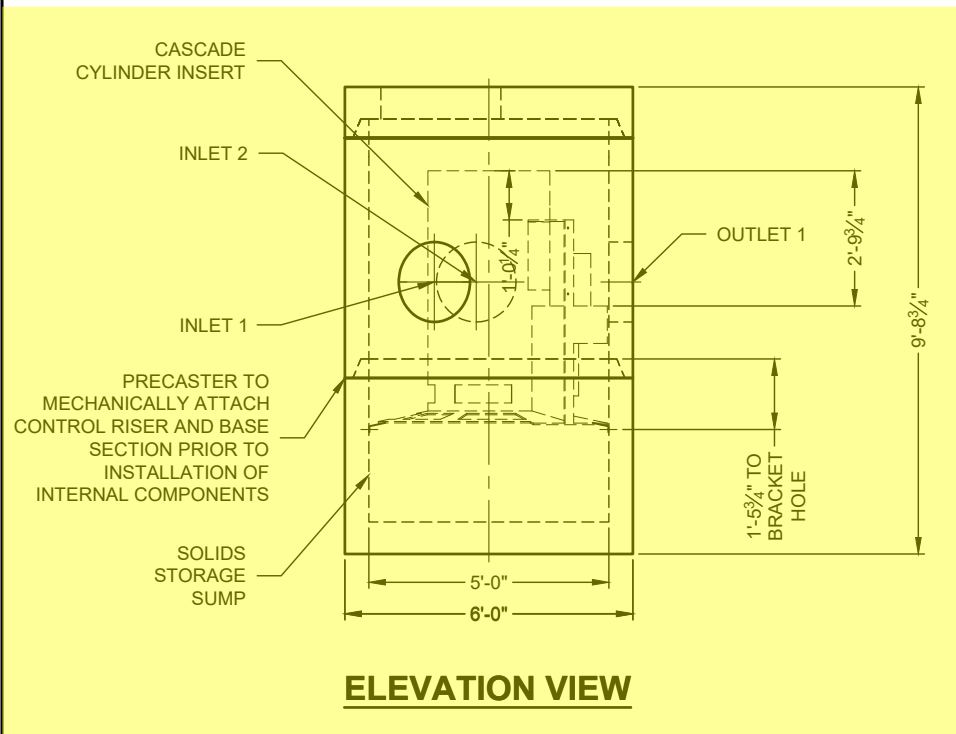


PLAN VIEW FOR PIPE ORIENTATION
TOP SLAB NOT SHOWN

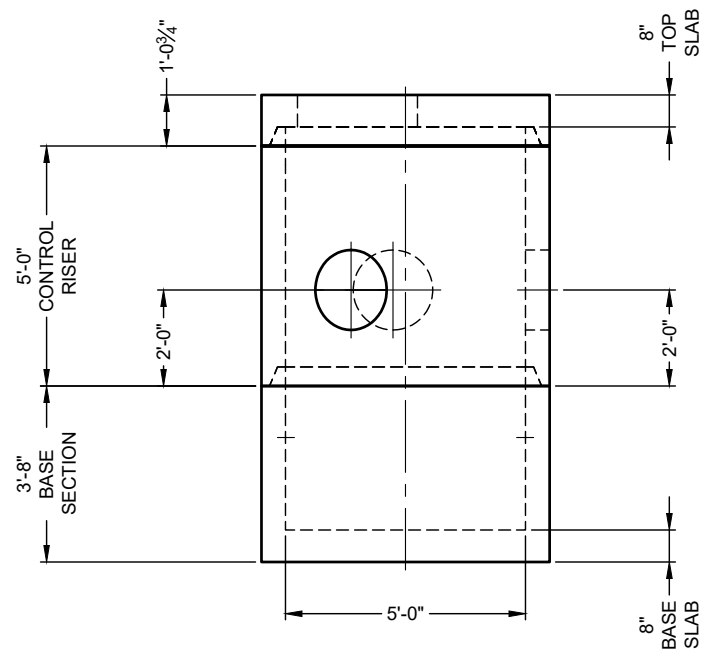
10-CS-5
ICAST to fully pre-assemble internal materials prior to shipment

Riser to be mechanically attached to base section.

SEE INSTALLATION NOTE A



ELEVATION VIEW



PRECAST COMPONENTS
INTERNALS NOT SHOWN

ICAST
5888 / 757440
LAYOUT 1A
7.78TS

CONTECH
FABRICATION
DRAWING

MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-5 CYLINDER INSERT, STD.	325-003950	CONTECH	PRECASTER
4	CS-5 ALUMINUM INSTALLATION BRACKETS	325-003956	CONTECH	PRECASTER
1	CS-5 HARDWARE KIT	325-003955	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
1	30"Ø X 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR
3	BOOT FOR 12"Ø RCP PIPE		PRECASTER	PRECASTER

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

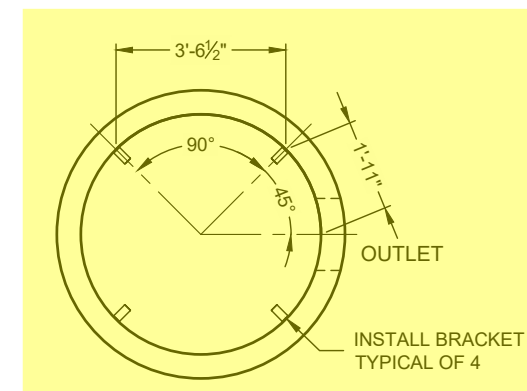
SITE INFORMATION

RIM ELEV. = 530 +/-
TOP OF STRUCTURE = 529.66
INLET PIPE 1 INVERT ELEV. = 525.10
INLET PIPE 1 DIAMETER AND MATERIAL = 12"Ø RCP
INLET PIPE 2 INVERT ELEV. = 525.1
INLET PIPE 2 DIAMETER AND MATERIAL = 12"Ø RCP
INLET PIPE 3 INVERT ELEV. = N/A
INLET PIPE 3 DIAMETER AND MATERIAL = N/A"Ø N/A
OUTLET PIPE INVERT ELEV. = 525.10
OUTLET PIPE DIAMETER AND MATERIAL = 12"Ø RCP
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 519.93

STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 13500 LBS.
STRUCTURE IS DELIVERED IN 2 PIECES

TOP SLAB = 3000 LBS.
CONTROL RISER = MECHANICALLY ATTACHED TO BASE SECTION
BASE SECTION = 13500 LBS.



SUPPORT BRACKET LAYOUT PLAN VIEW

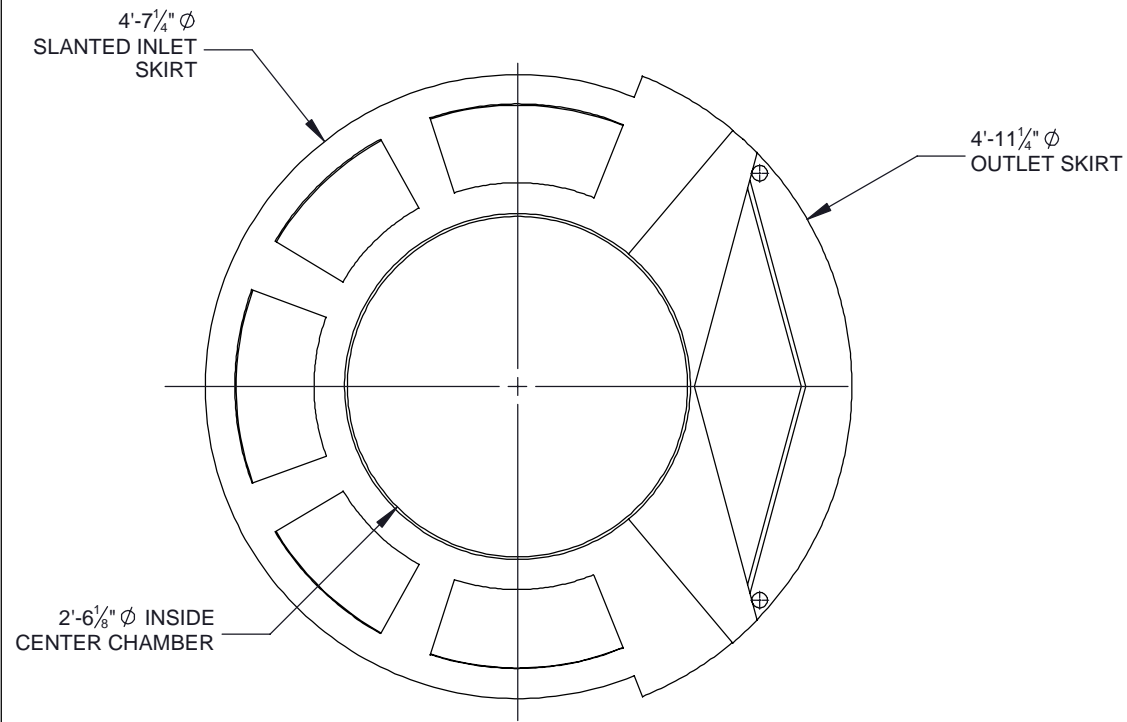
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MARK	DATE	REVISION DESCRIPTION	BY
1	2/18/2026	ADDED BOOTS TO MAKE APPROVAL	LJK

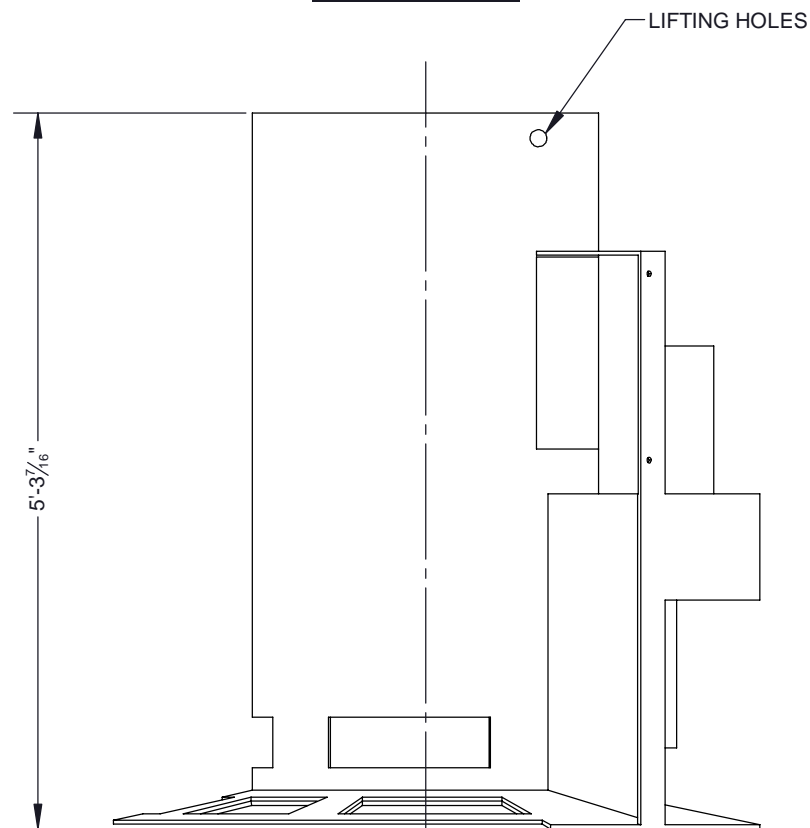
CS-5 - 876621-010
QT #603 ST CHARLES
SAINT CHARLES, MO
SITE DESIGNATION: HDS A3

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ENGINEERED SOLUTIONS LLC
A CONTECH COMPANY
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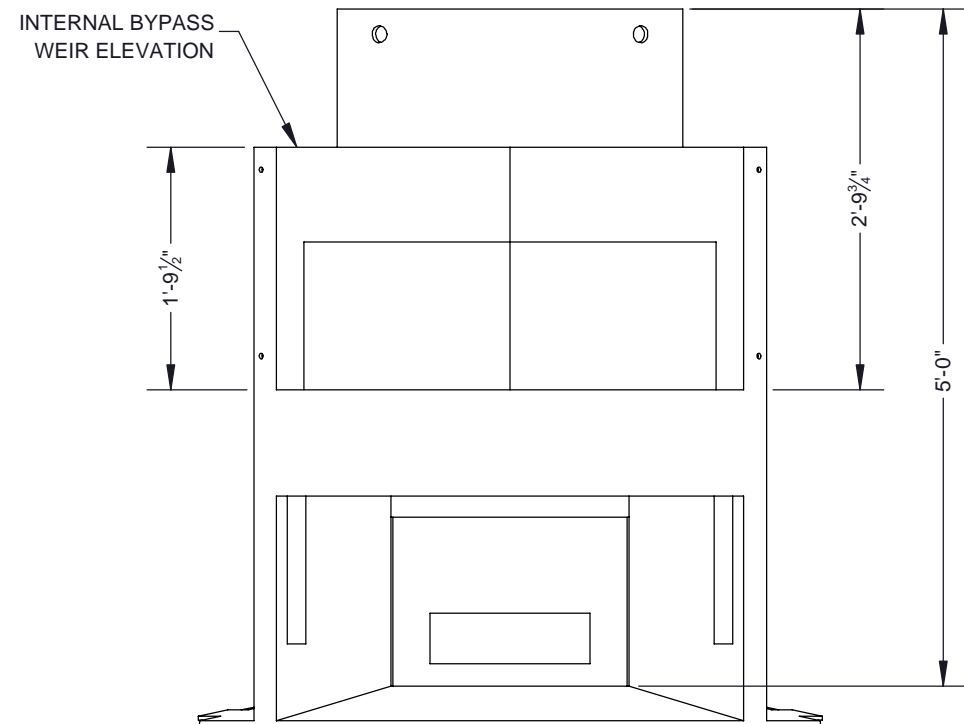
DATE: 12/08/2025	
DESIGNED: LJK	DRAWN: JAVG
CHECKED: MSB	APPROVED: LJK
PROJECT No.: 876621	SEQUENCE No.: 010
SHEET: 1 OF 1	



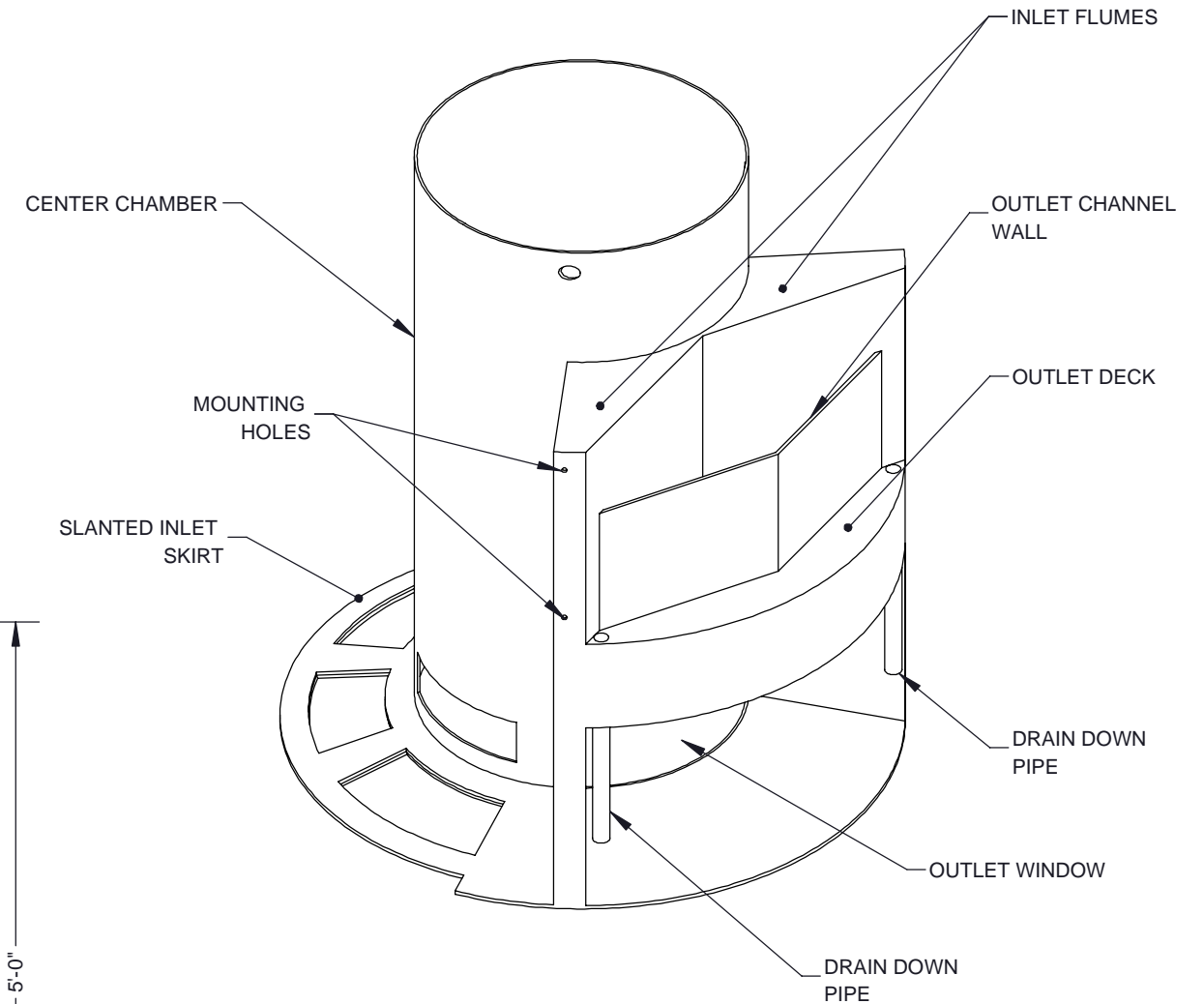
PLAN VIEW



ELEVATION VIEW



ELEVATION VIEW: OUTLET SIDE



ISOMETRIC VIEW

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

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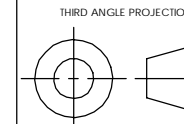
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REFERENCE DETAIL
INTERNALS CS-5
CASCADE SEPARATOR



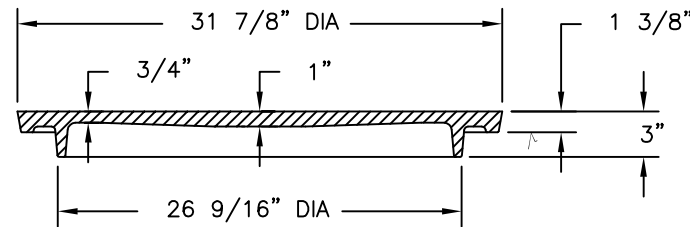
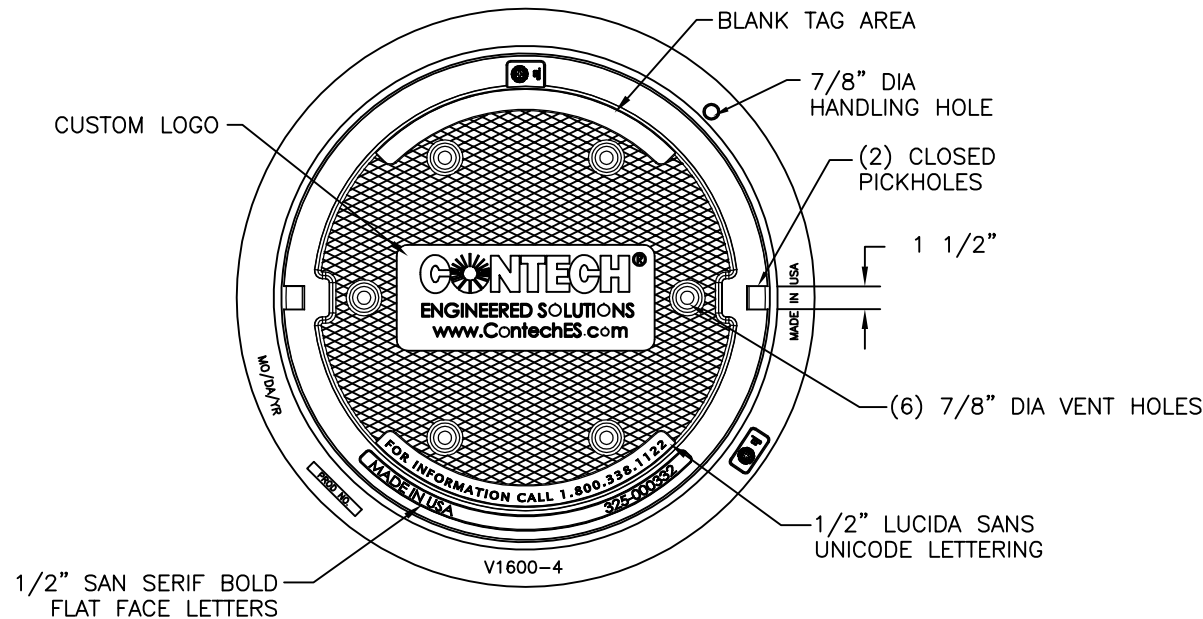
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

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

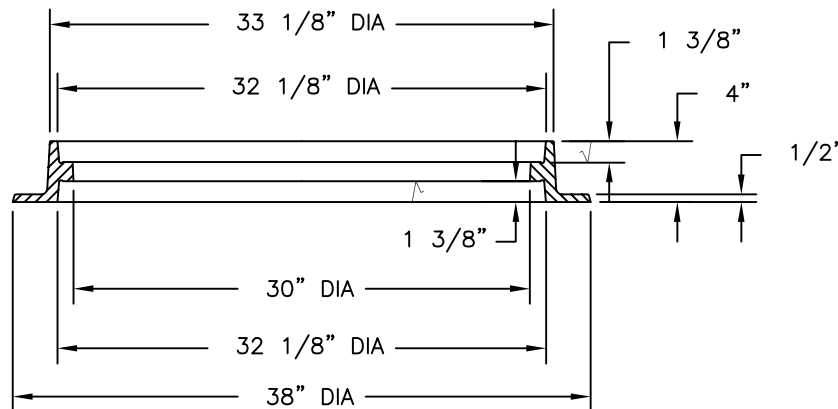
PART NUMBER: 325-003950		
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.15	REV: D
SCALE: N/A	SHEET 1 OF 1	

26-1427 - 876621 QT 3603 St Charles

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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