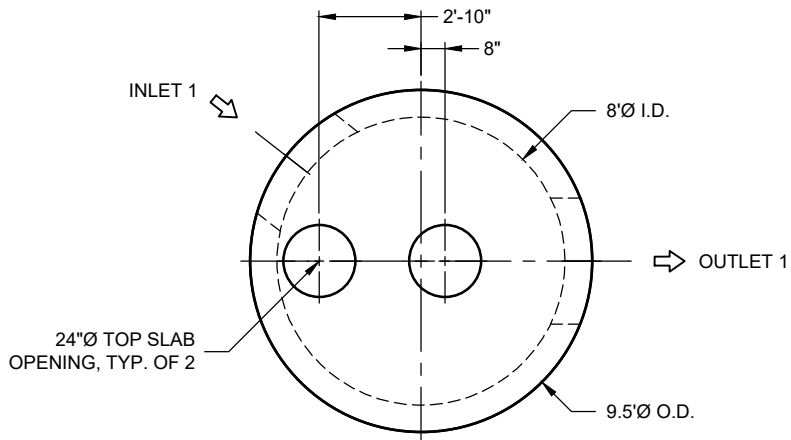
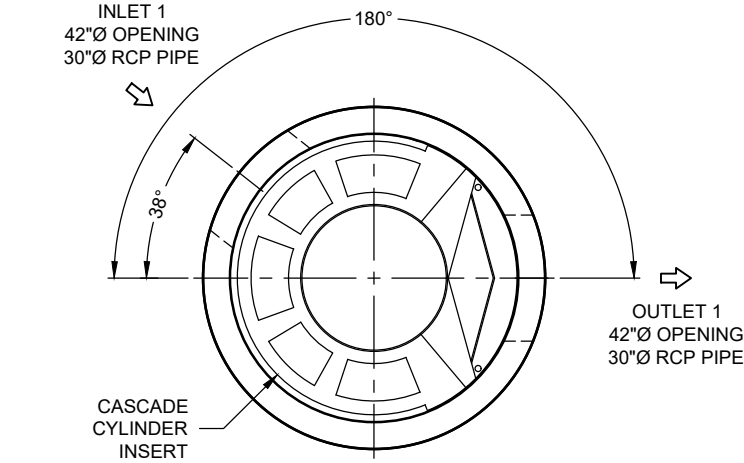


26-2582 739729 Teal Drive

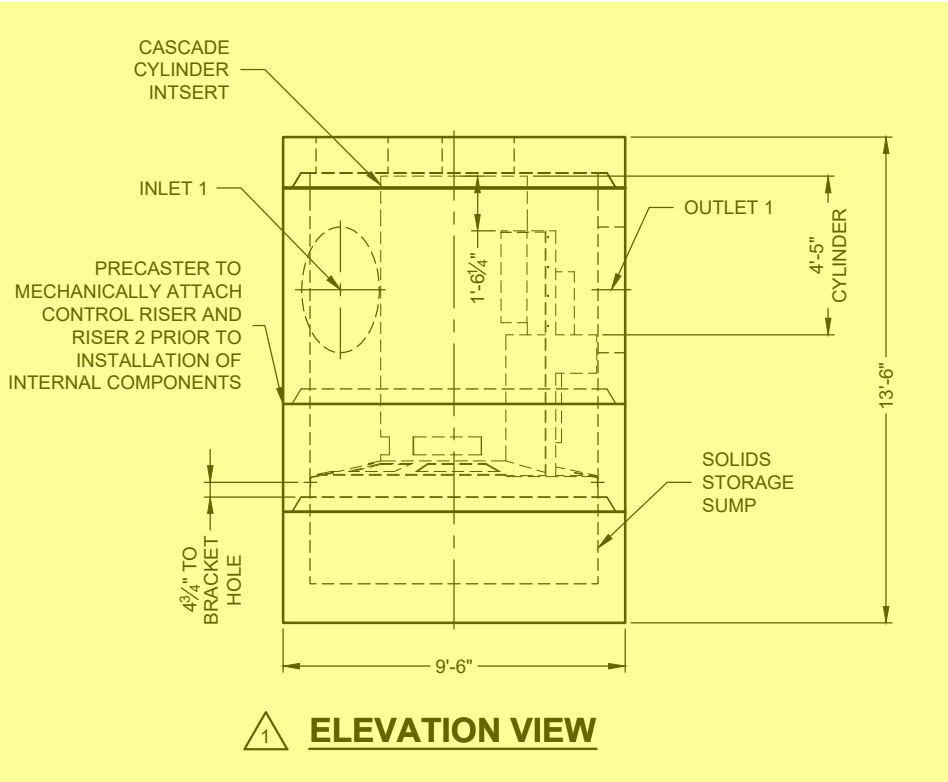


1 PLAN VIEW
INTERNALS NOT SHOWN

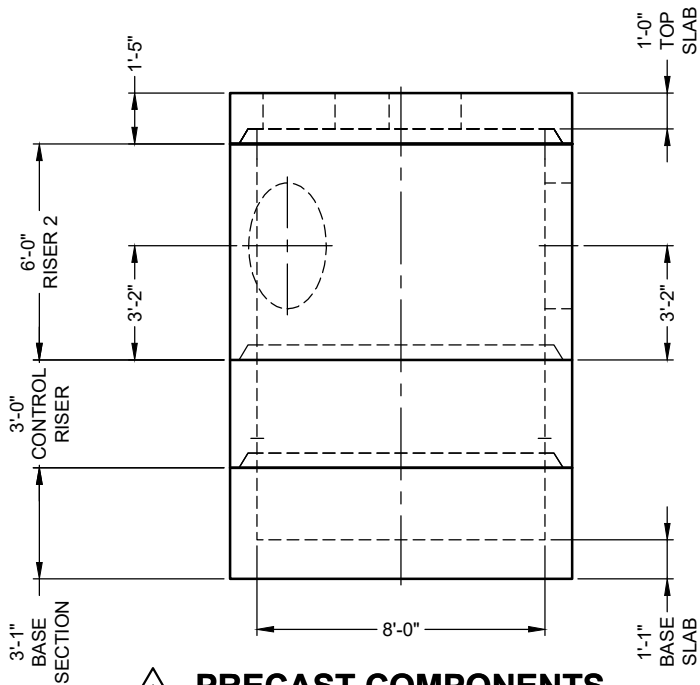


1 PLAN VIEW FOR PIPE ORIENTATION
TOP SLAB NOT SHOWN

SEE INSTALLATION NOTE A



1 ELEVATION VIEW



1 PRECAST COMPONENTS
INTERNALS NOT SHOWN

ICAST
5888 / 757440
LAYOUT 1A
27.18TS

CONTECH
FABRICATION
DRAWING

MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-8 CYLINDER INSERT, STD.	325-003952	CONTECH	CONTRACTOR
6	CS-8 ALUMINUM INSTALLATION BRACKETS	325-003971	CONTECH	PRECASTER
1	CS-8 HARDWARE KIT	325-003970	CONTECH	CONTRACTOR
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
2	24"Ø X 4" FRAME AND COVER, EJ #41600389, OR EQUIV.	325-000350	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

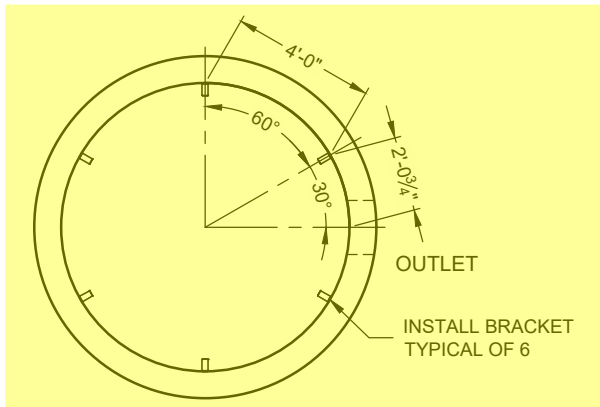
RIM ELEV. = 471.23+/-
TOP OF STRUCTURE = 470.26
INLET PIPE 1 INVERT ELEV. = 464.76
INLET PIPE 1 DIAMETER AND MATERIAL = 30"Ø RCP
OUTLET PIPE INVERT ELEV. = 464.76
OUTLET PIPE DIAMETER AND MATERIAL = 30"Ø RCP
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 456.76

STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 27000 LBS.
STRUCTURE IS DELIVERED IN 3 PIECES

TOP SLAB = 11000 LBS.

RISER 2 = MECHANICALLY ATTACHED TO CONTROL RISER
CONTROL RISER = 27000 LBS.
BASE SECTION = 19000 LBS.



SUPPORT BRACKET LAYOUT PLAN VIEW

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CONTECH accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

EDM	BY
REVIS	DESCRIPTION
1	DATE
MARK	

CS-8 - 739729-010
TEAL DRIVE
NASHVILLE, TN
SITE DESIGNATION: STM-C2

CONTECH
ENGINEERED SOLUTIONS LLC
A **CONTECH** COMPANY
801 Enclave Landing Road, Suite 350, Luthersburg, MD 21089
410-740-5490 410-740-8492 FAX
443-457-1500
CASCADE
separator®
FOR PATENT INFORMATION, GO TO WWW.CONTECHES.COM/PP

DATE:	12/11/2025
DESIGNED:	MJS
DRAWN:	EDM
CHECKED:	MJS
APPROVED:	MJS
PROJECT No.:	739729
SEQUENCE No.:	010
SHEET:	1 OF 1

V1600-3 V1610-3 Assembly



Product Number

41600389

Design Features

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

41600310
41600374

Drawing Revision

05/02/2008 Designer: DEW
6/20/2017 Revised By: DAE

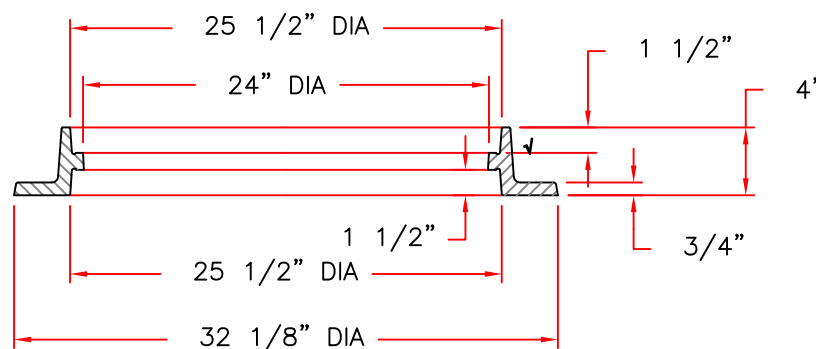
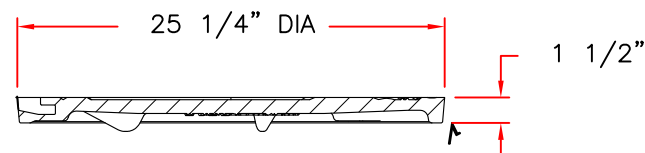
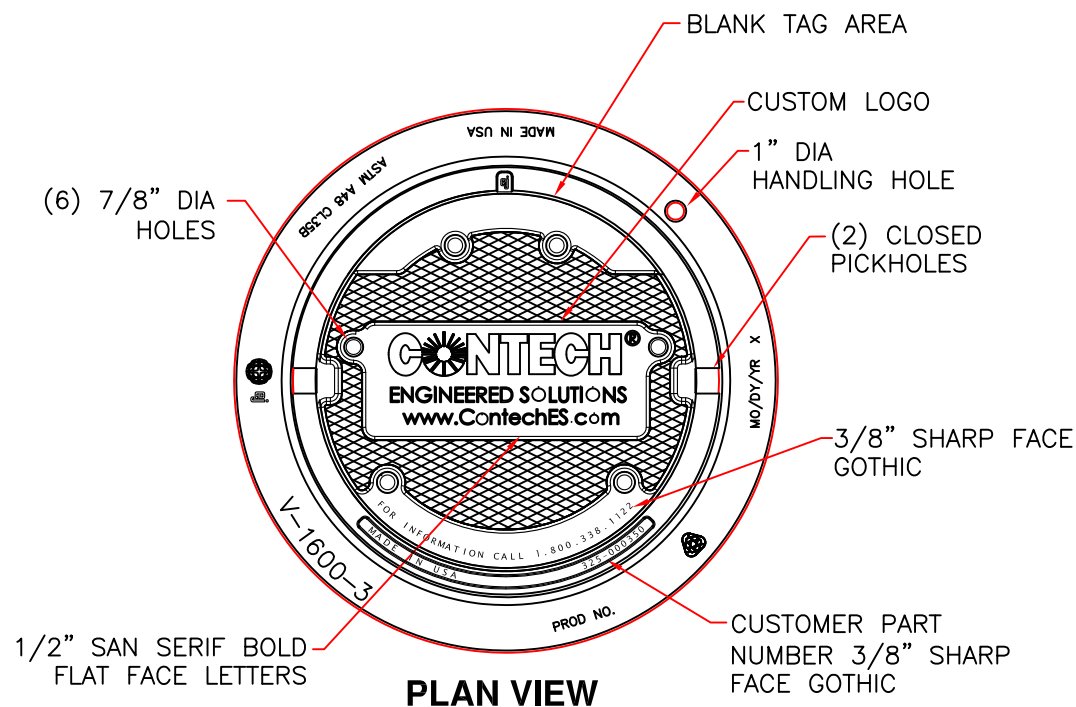
Disclaimer

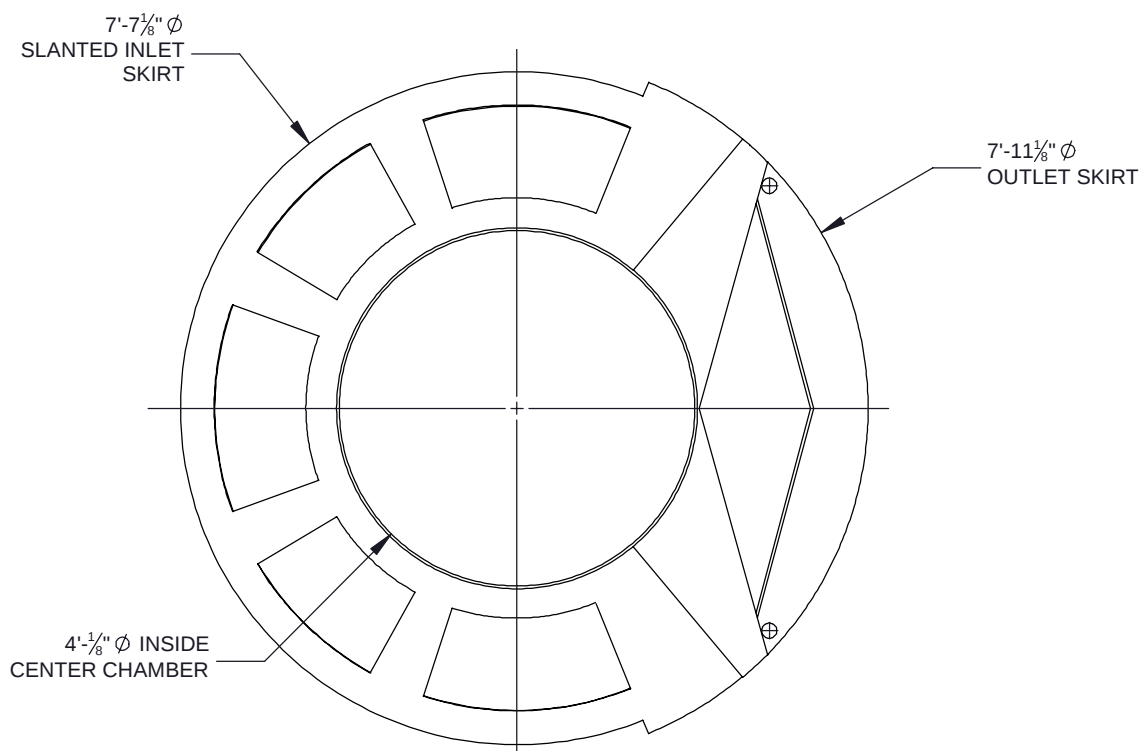
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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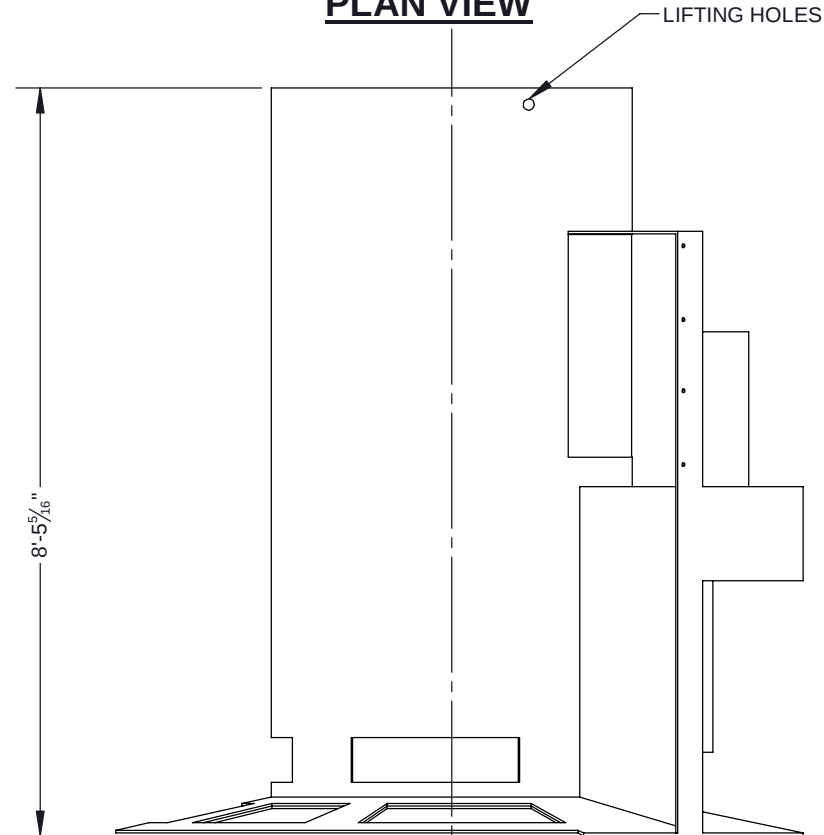
Contact

800 626 4653
ejco.com

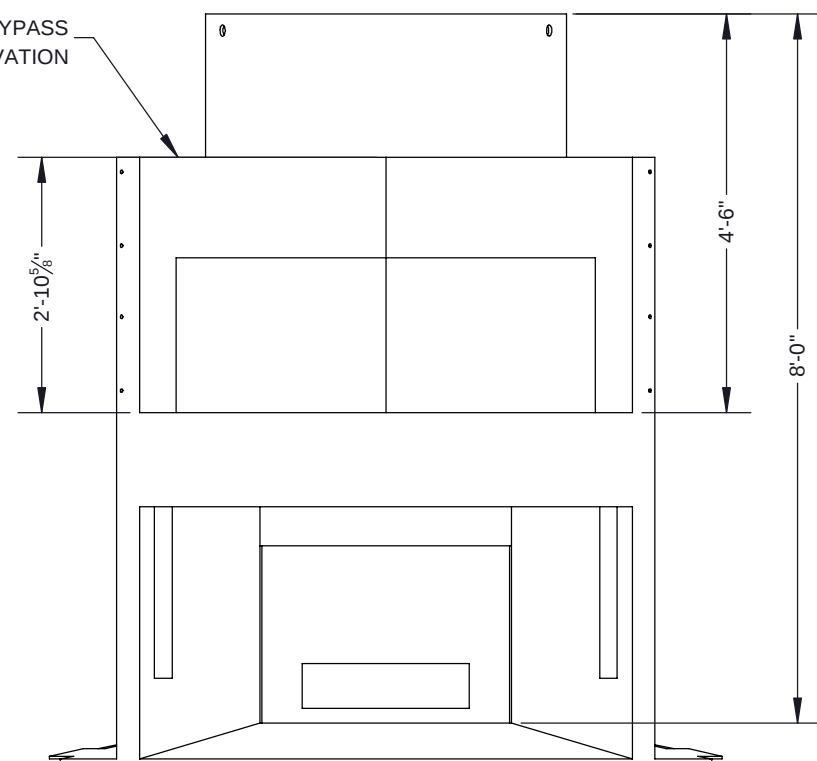




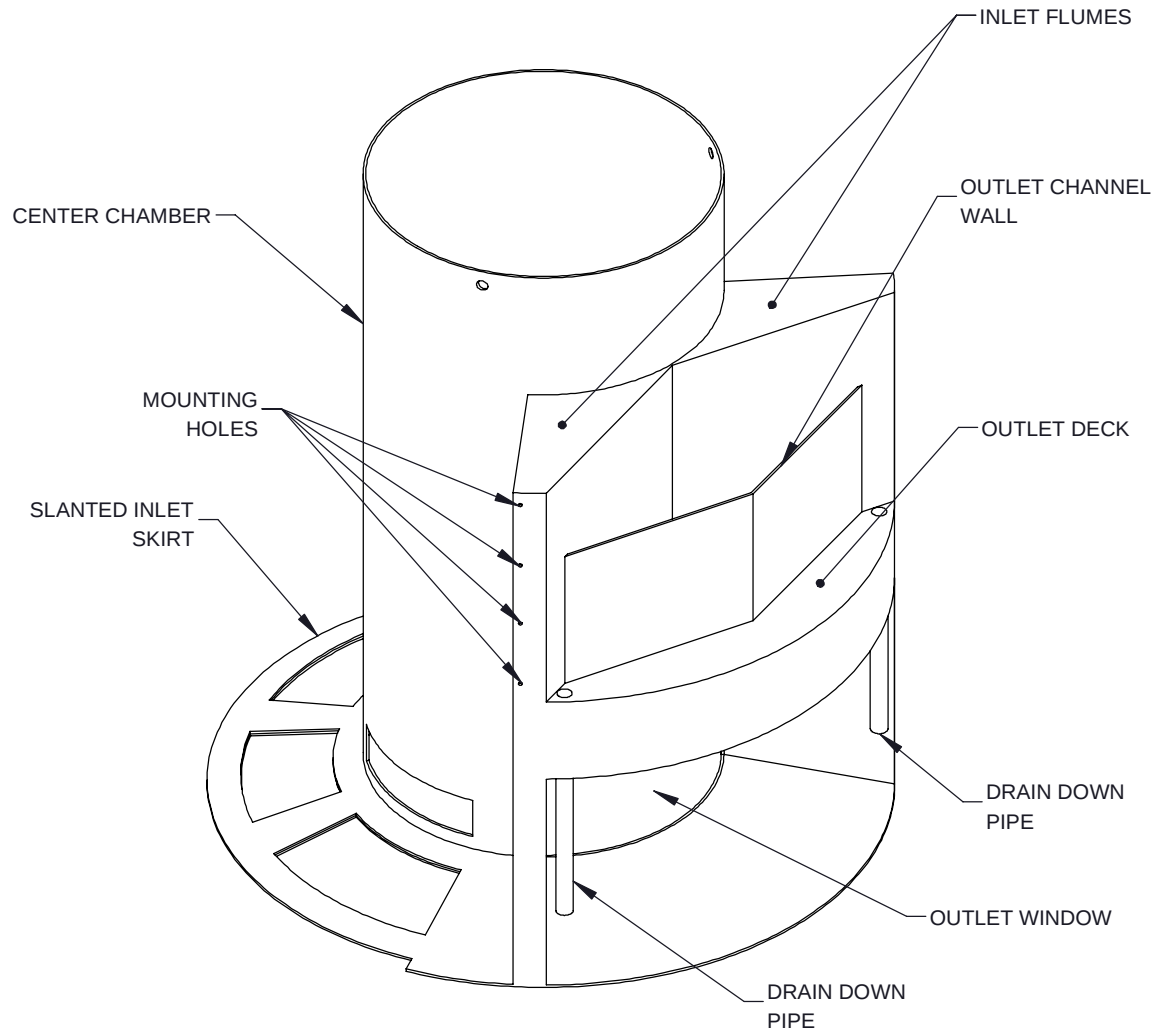
PLAN VIEW



ELEVATION VIEW



ELEVATION VIEW: OUTLET SIDE



ISOMETRIC VIEW

- NOTES:
- SEE CASCADE SEPARATOR INSTALLATION GUIDE FOR ADDITIONAL INFORMATION

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9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

REFERENCE DETAIL
INTERNALS CS-8
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: 325-003952		
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.15	REV: C
SCALE: N/A	SHEET 1 OF 1	