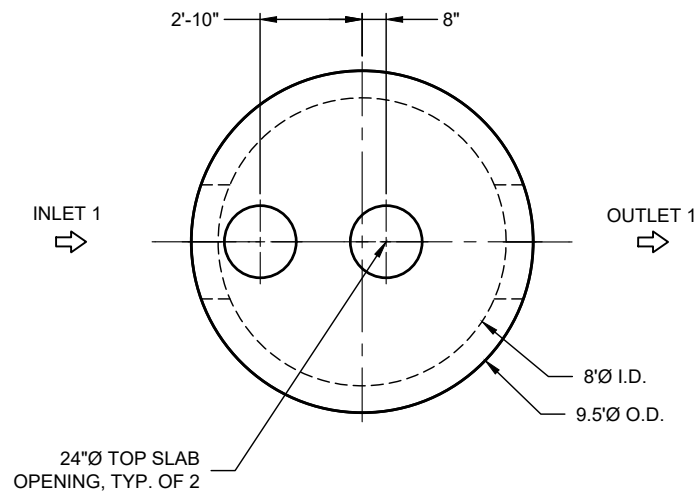
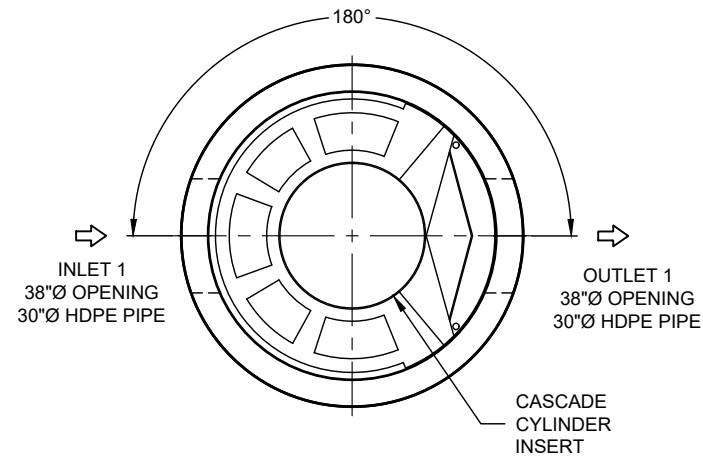


# 26-1885 869435 Garrison Gardens



**PLAN VIEW**  
INTERNALS NOT SHOWN



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

**10-CS-8**

**ICAST to fully pre-assemble internal materials prior to shipment**

### MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-8 CYLINDER INSERT, STD.	325-003952	CONTECH	PRECASTER
6	CS-8 ALUMINUM INSTALLATION BRACKETS	325-003971	CONTECH	PRECASTER
1	CS-8 HARDWARE KIT	325-003970	CONTECH	PRECASTER
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

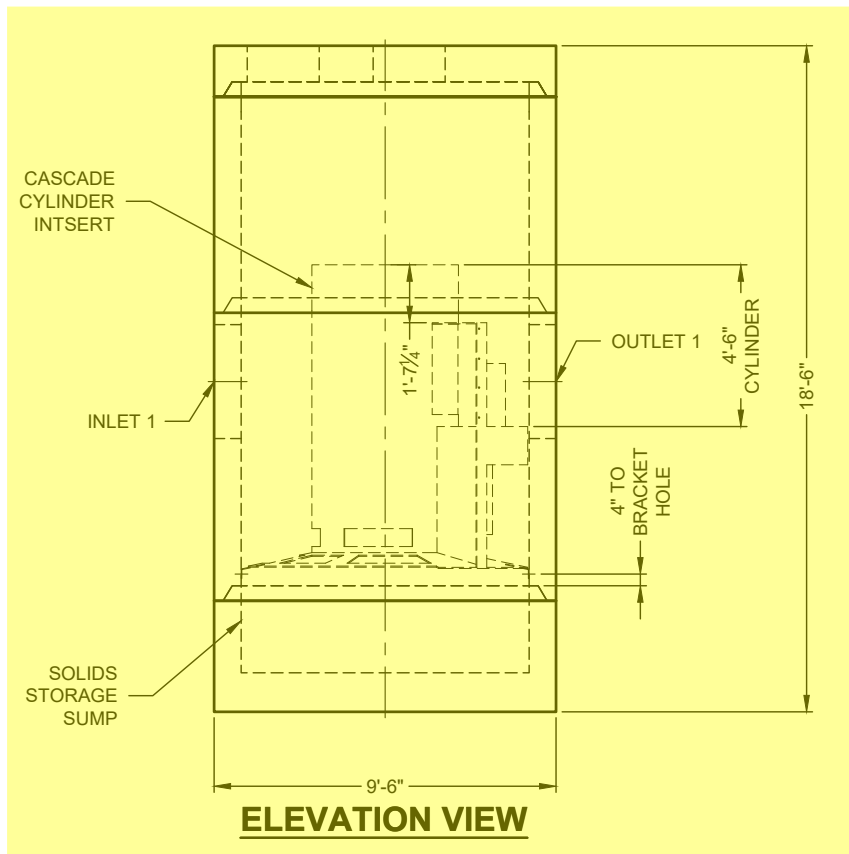
RIM ELEV. = 508.7+/-  
 TOP OF STRUCTURE = 508.11  
 INLET PIPE 1 INVERT ELEV. = 497.53  
 INLET PIPE 1 DIAMETER AND MATERIAL = 30"Ø HDPE  
 OUTLET PIPE INVERT ELEV. = 497.53  
 OUTLET PIPE DIAMETER AND MATERIAL = 30"Ø HDPE  
 OUTSIDE BOTTOM OF STRUCTURE ELEV. = 489.61

### STRUCTURE WEIGHT

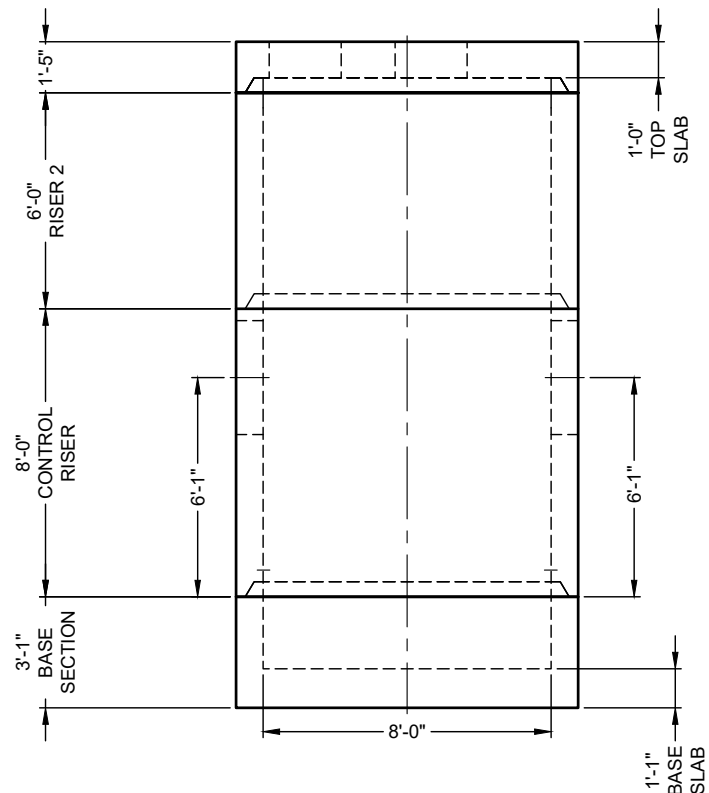
APPROXIMATE HEAVIEST PICK = 24000 LBS.  
 STRUCTURE IS DELIVERED IN 4 PIECES

TOP SLAB = 11000 LBS.  
 RISER 2 = 19500 LBS. LBS.  
 CONTROL RISER = 24000 LBS.  
 BASE SECTION = 19000 LBS.

SEE INSTALLATION NOTE A



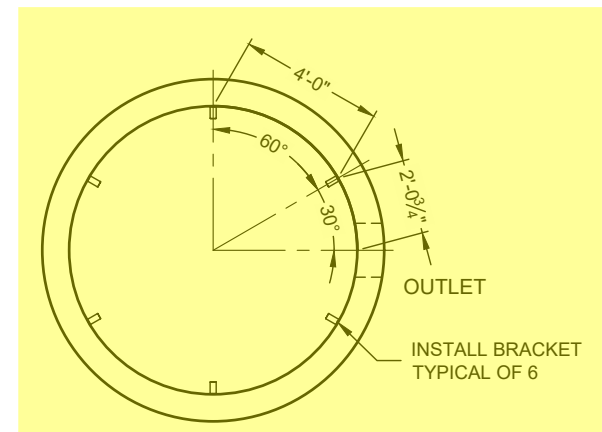
**ELEVATION VIEW**



**PRECAST COMPONENTS**  
INTERNALS NOT SHOWN

ICAST  
5888 / 757440  
LAYOUT 1A  
35.10TS

CONTECH  
**FABRICATION**  
DRAWING



**SUPPORT BRACKET LAYOUT PLAN VIEW**

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MARK	DATE	REVISION DESCRIPTION	BY

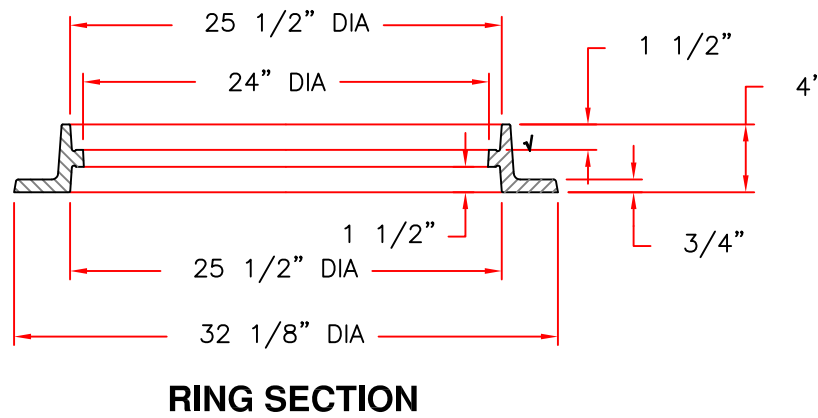
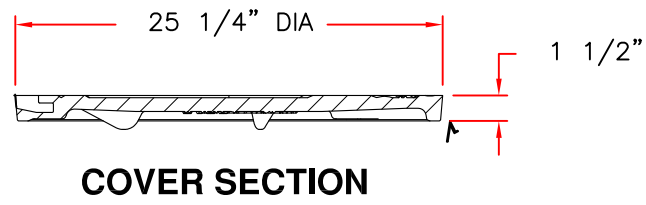
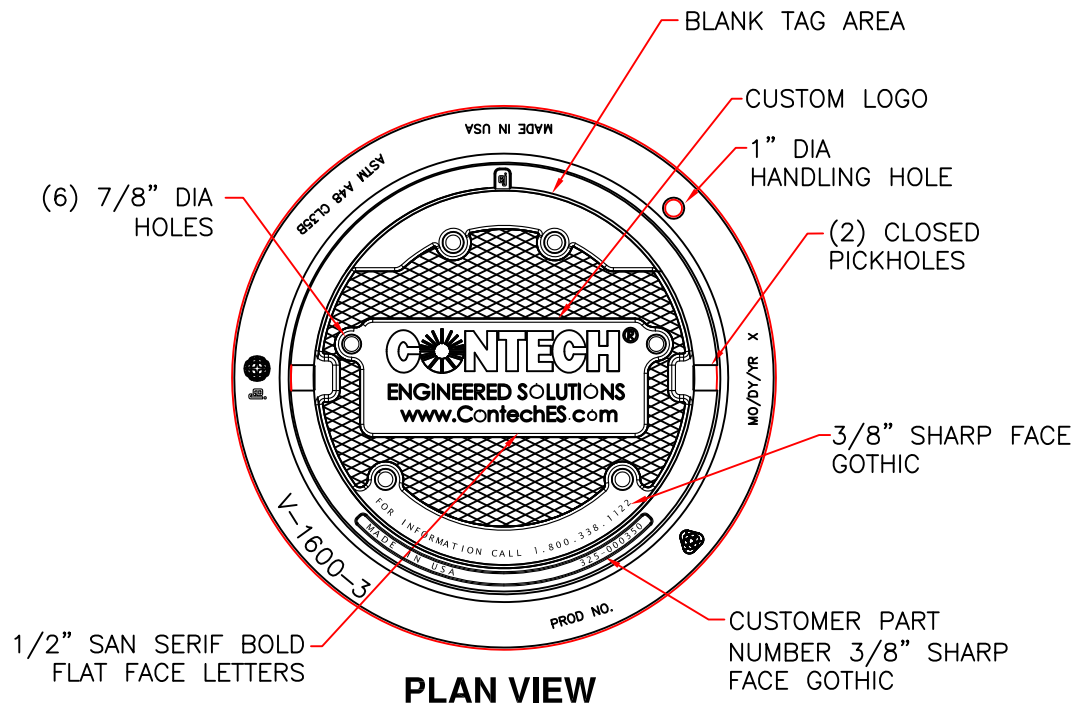
CS-8 - 869435-10  
 GARRISON GARDENS  
 BOWLING GREEN, KY  
 SITE DESIGNATION: WQS 3-1

**CONTECH**  
 ENGINEERED SOLUTIONS LLC  
 A CONTECH COMPANY  
 810 Centre Pointe Dr., Suite 403, West Chester, OH 45380  
 800.338.1122 513.345.7000 513.345.7803 FAX  
**CASCADE separator**  
 FOR PATENT INFORMATION, GO TO www.contech.com/PP

DATE: 3/27/26

DESIGNED: MDB	DRAWN: MDB/LRP
CHECKED: LJK	APPROVED: MDB
PROJECT No.: 869435	SEQUENCE No.: 10
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

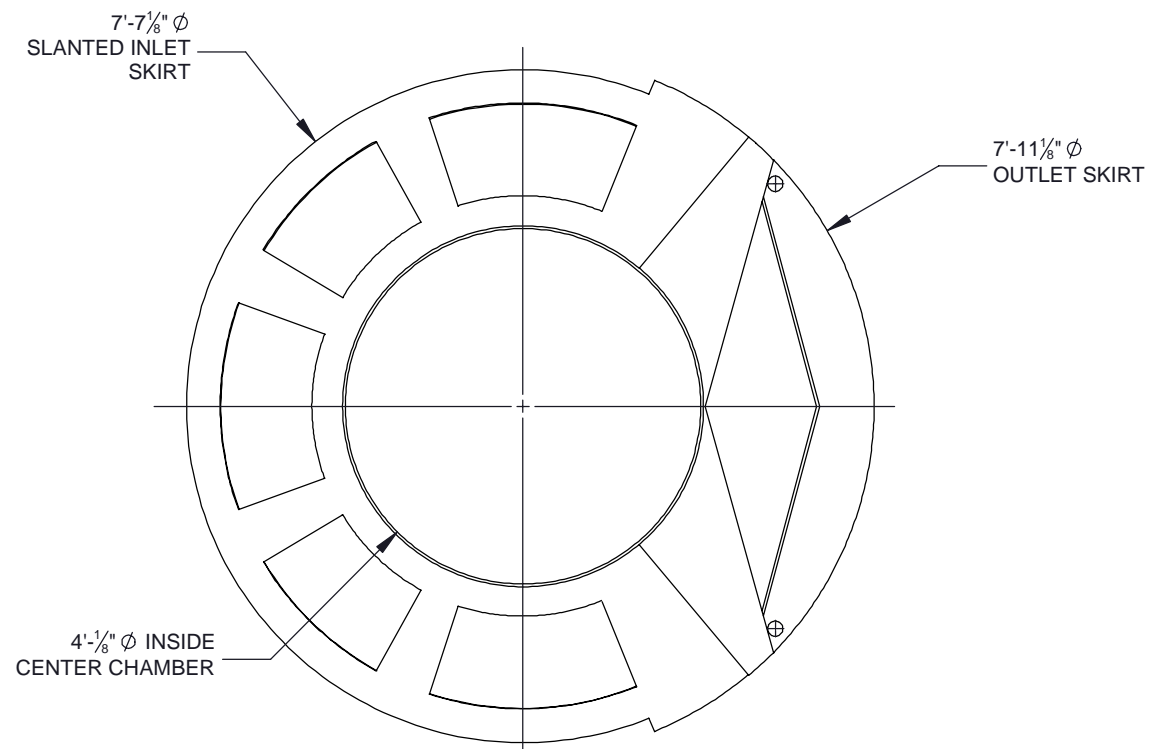
**Disclaimer**

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

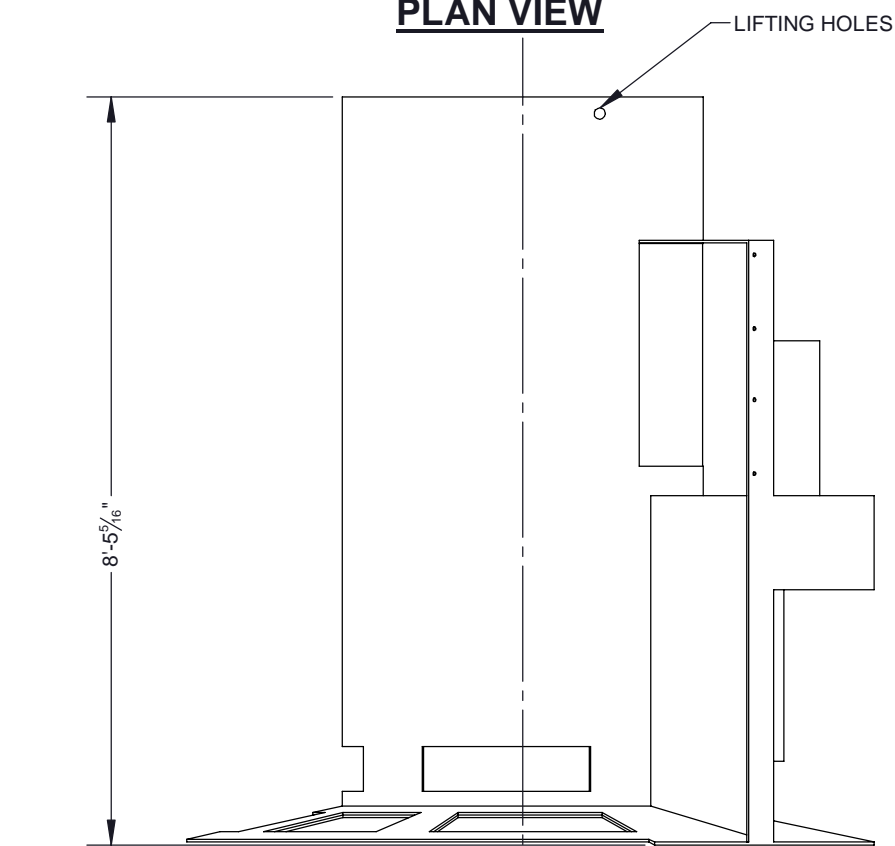
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**Contact**

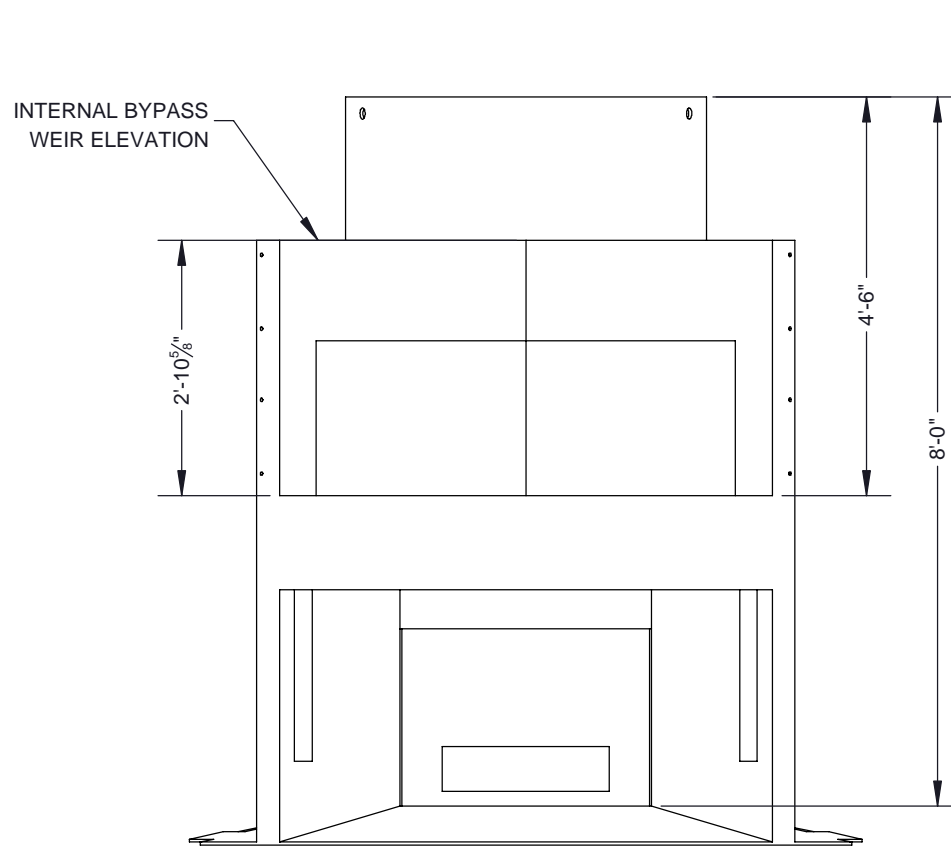
800 626 4653  
ejco.com



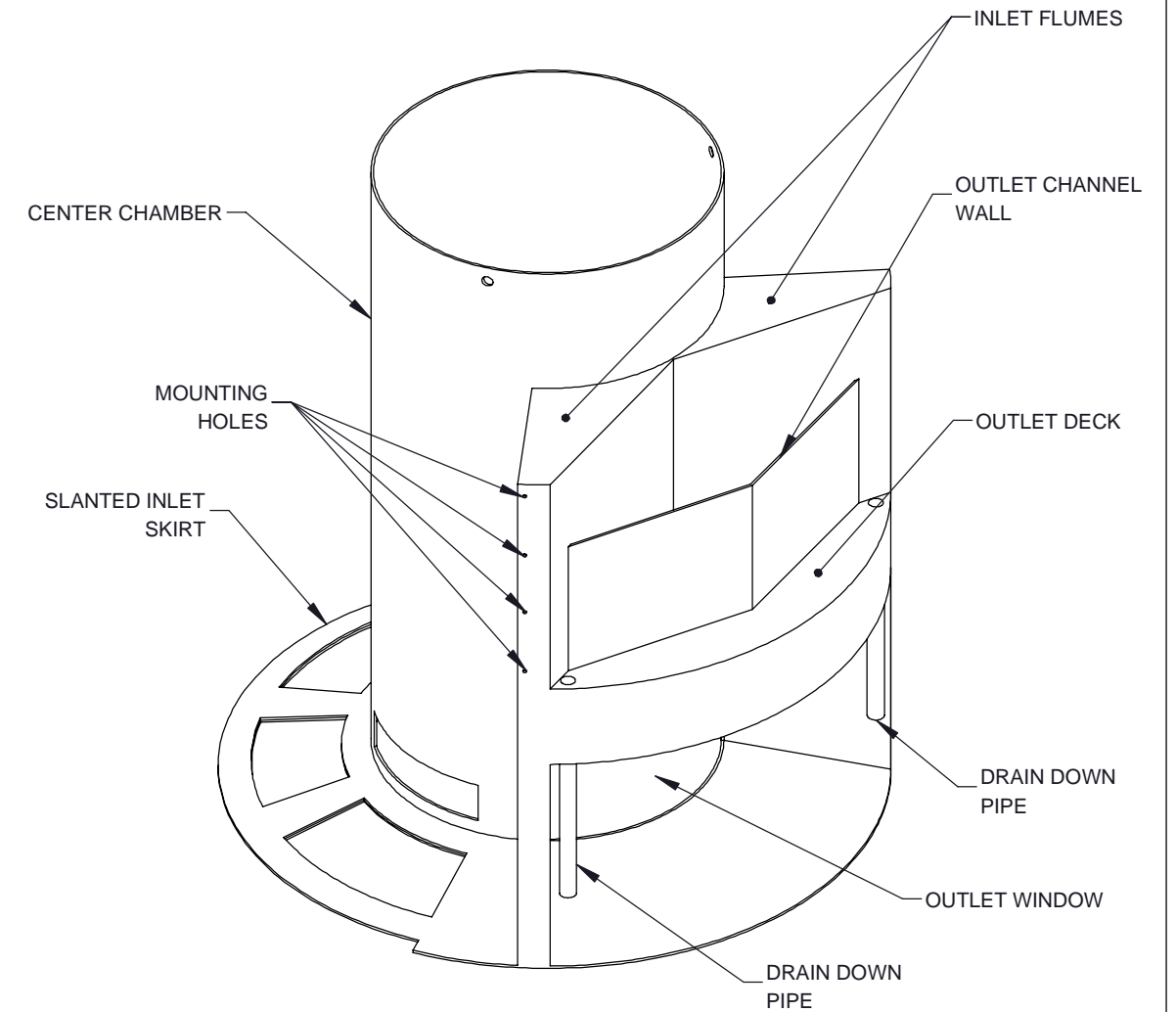
**PLAN VIEW**



**ELEVATION VIEW**



**ELEVATION VIEW: OUTLET SIDE**



**ISOMETRIC VIEW**

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

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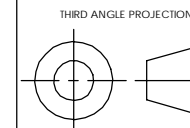
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REFERENCE DETAIL  
INTERNALS CS-8  
CASCADE SEPARATOR



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: 325-003952		
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	