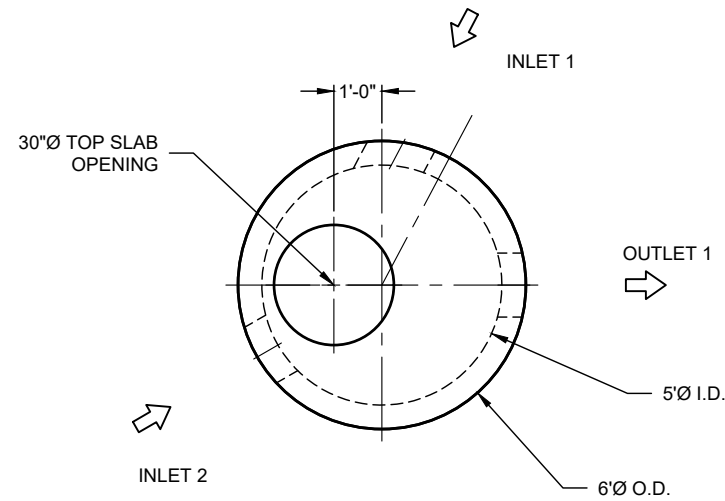
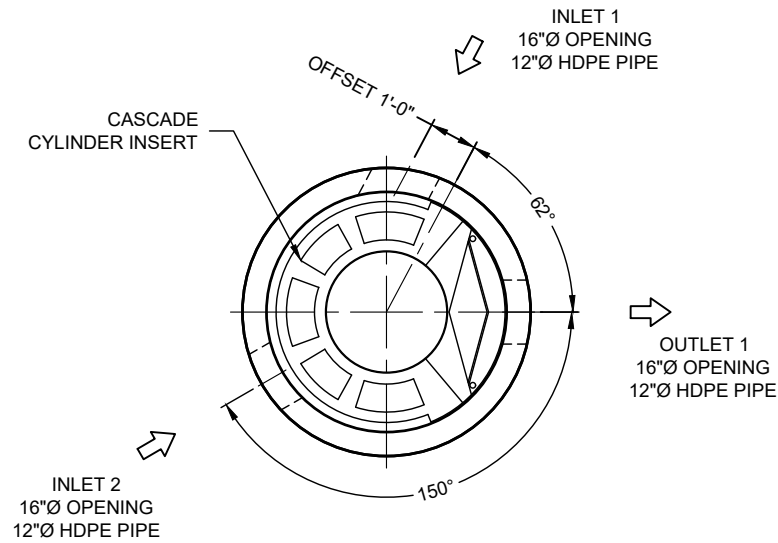


# 26-1450 - 836600 South English Station



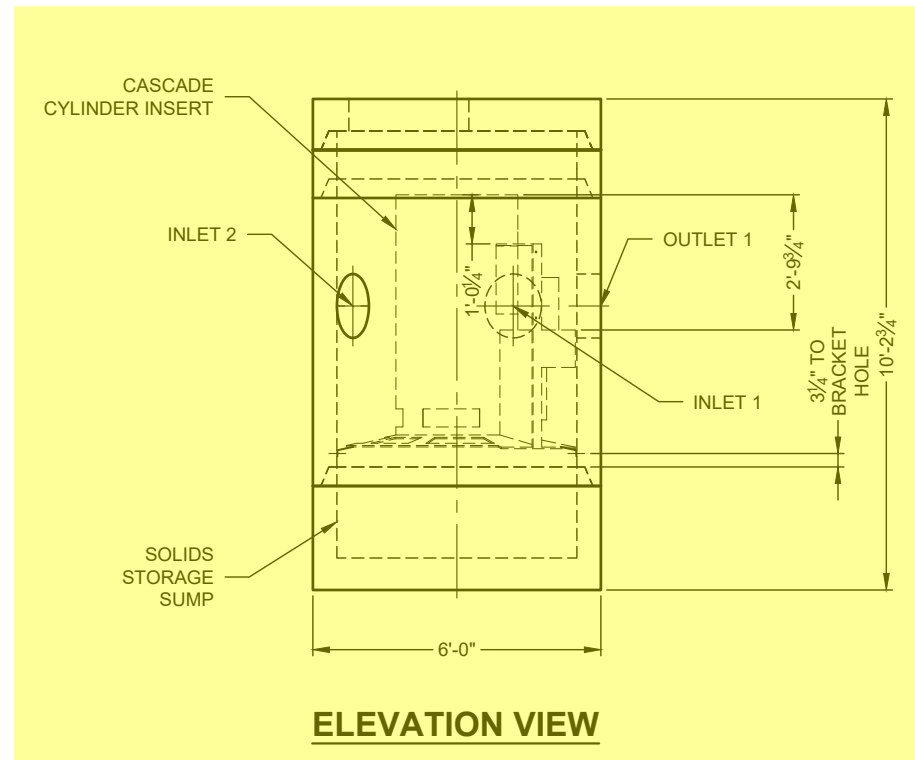
**PLAN VIEW**  
INTERNALS NOT SHOWN



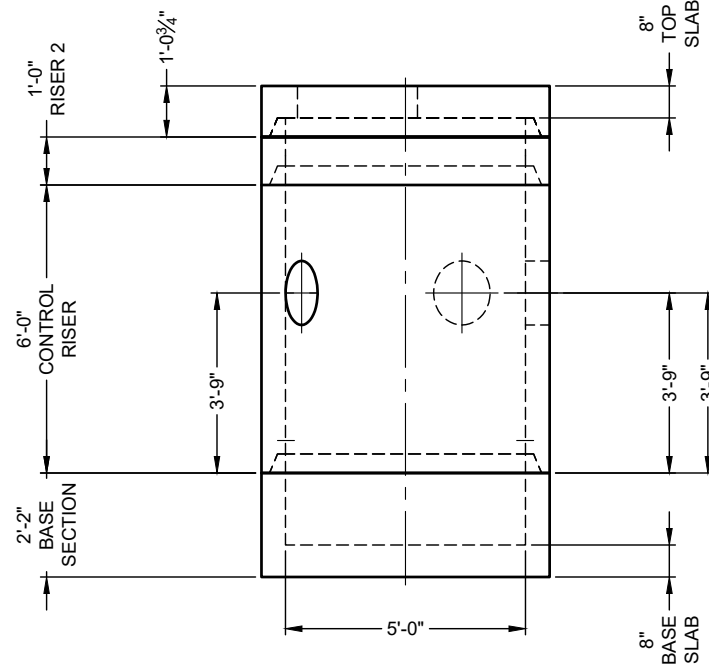
**PLAN VIEW FOR PIPE ORIENTATION**  
TOP SLAB NOT SHOWN

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

SEE INSTALLATION NOTE A



**ELEVATION VIEW**



**PRECAST COMPONENTS**  
INTERNALS NOT SHOWN

ICAST  
5888 / 757440  
LAYOUT 1A  
8.19TS

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

## 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

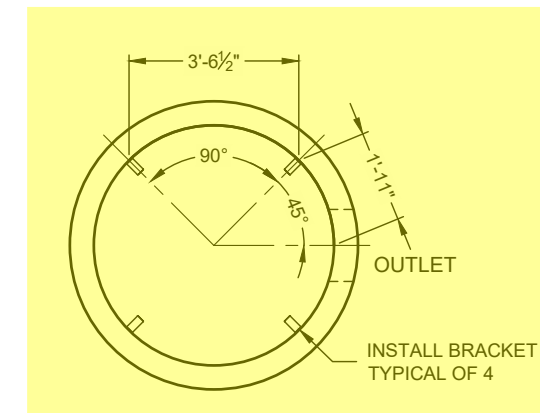
## SITE INFORMATION

RIM ELEV. = 705.6+/-  
TOP OF STRUCTURE = 704.31  
INLET PIPE 1 INVERT ELEV. = 699.50  
INLET PIPE 1 DIAMETER AND MATERIAL = 12"Ø HDPE  
INLET PIPE 2 INVERT ELEV. = 699.5  
INLET PIPE 2 DIAMETER AND MATERIAL = 12"Ø HDPE  
OUTLET PIPE INVERT ELEV. = 699.50  
OUTLET PIPE DIAMETER AND MATERIAL = 12"Ø HDPE  
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 694.08

## STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 8500 LBS.  
STRUCTURE IS DELIVERED IN 4 PIECES

TOP SLAB = 3000 LBS.  
RISER 2 = 1500 LBS.  
CONTROL RISER = 8500 LBS.  
BASE SECTION = 5500 LBS.



**SUPPORT BRACKET LAYOUT PLAN VIEW**

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BY	DATE	MARK	REVISION DESCRIPTION

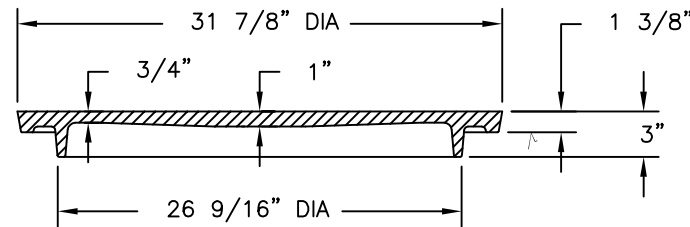
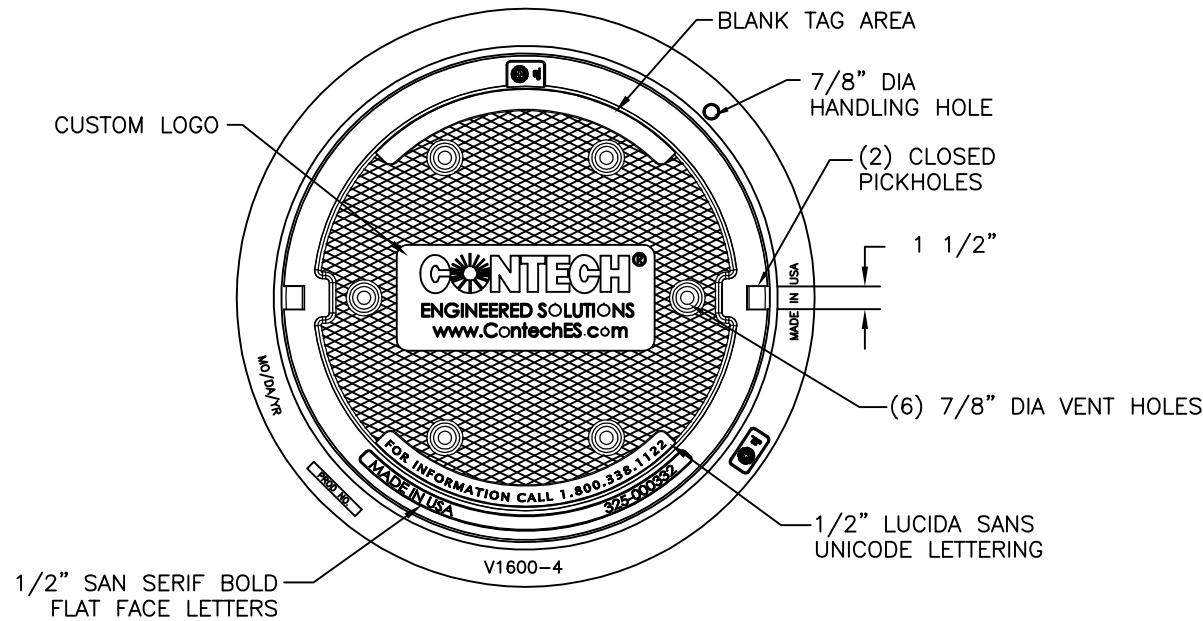
CS-5 - 836600-10  
SOUTH ENGLISH STATION STORAGE -  
LOUISVILLE  
LOUISVILLE, KY  
SITE DESIGNATION: #8 WQU

**CONTECH**  
ENGINEERED SOLUTIONS LLC  
A CONTECH COMPANY  
810 Centre Pointe Dr., Suite 400, West Chester, OH 45380  
800.338.1122 513.645.7000 513.645.7833 FAX  
**CASCADE**  
separator  
FOR PATENT INFORMATION, GO TO www.contech.com/IP

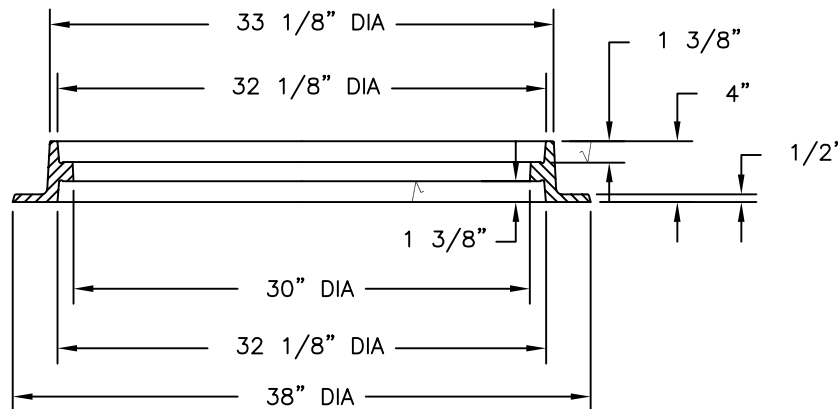
DATE:	2/19/2026		
DESIGNED:	MDB	DRAWN:	---
CHECKED:	MSB	APPROVED:	MDB
PROJECT No.:	836600	SEQUENCE No.:	10
SHEET:	1	OF	1

# 26-1450 - 836600 South English Station

## 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

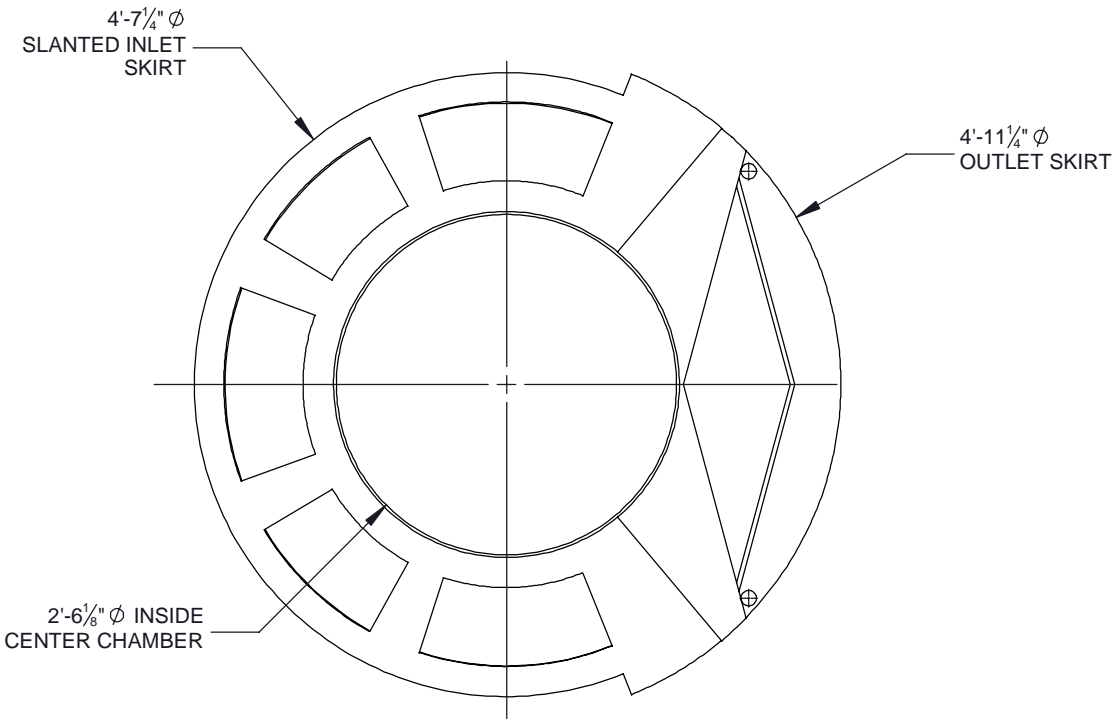
**Disclaimer**

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

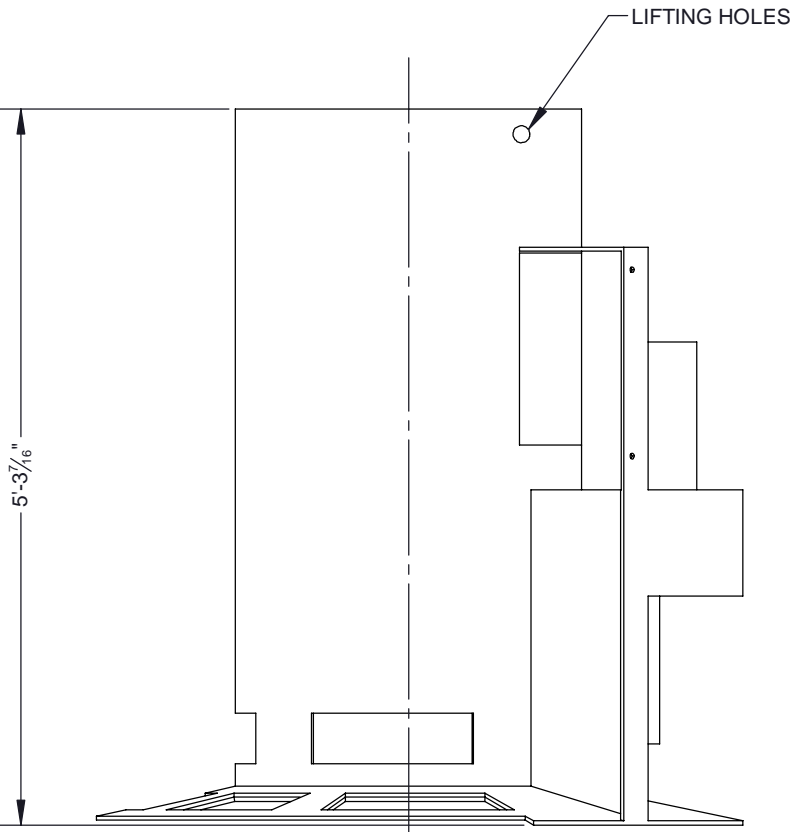
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**Contact**

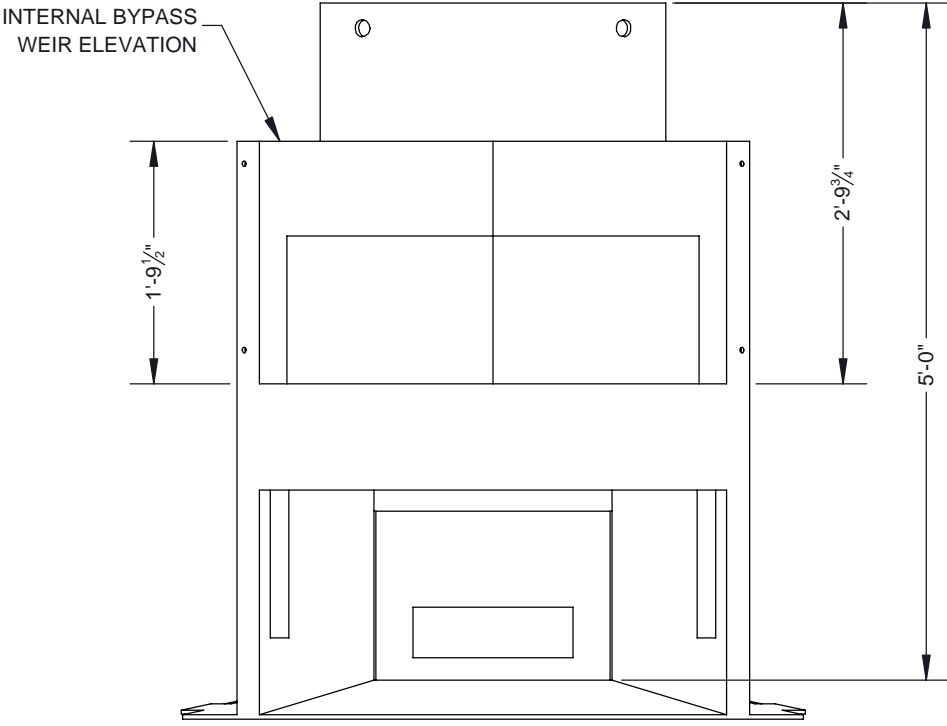
800 626 4653  
ejco.com



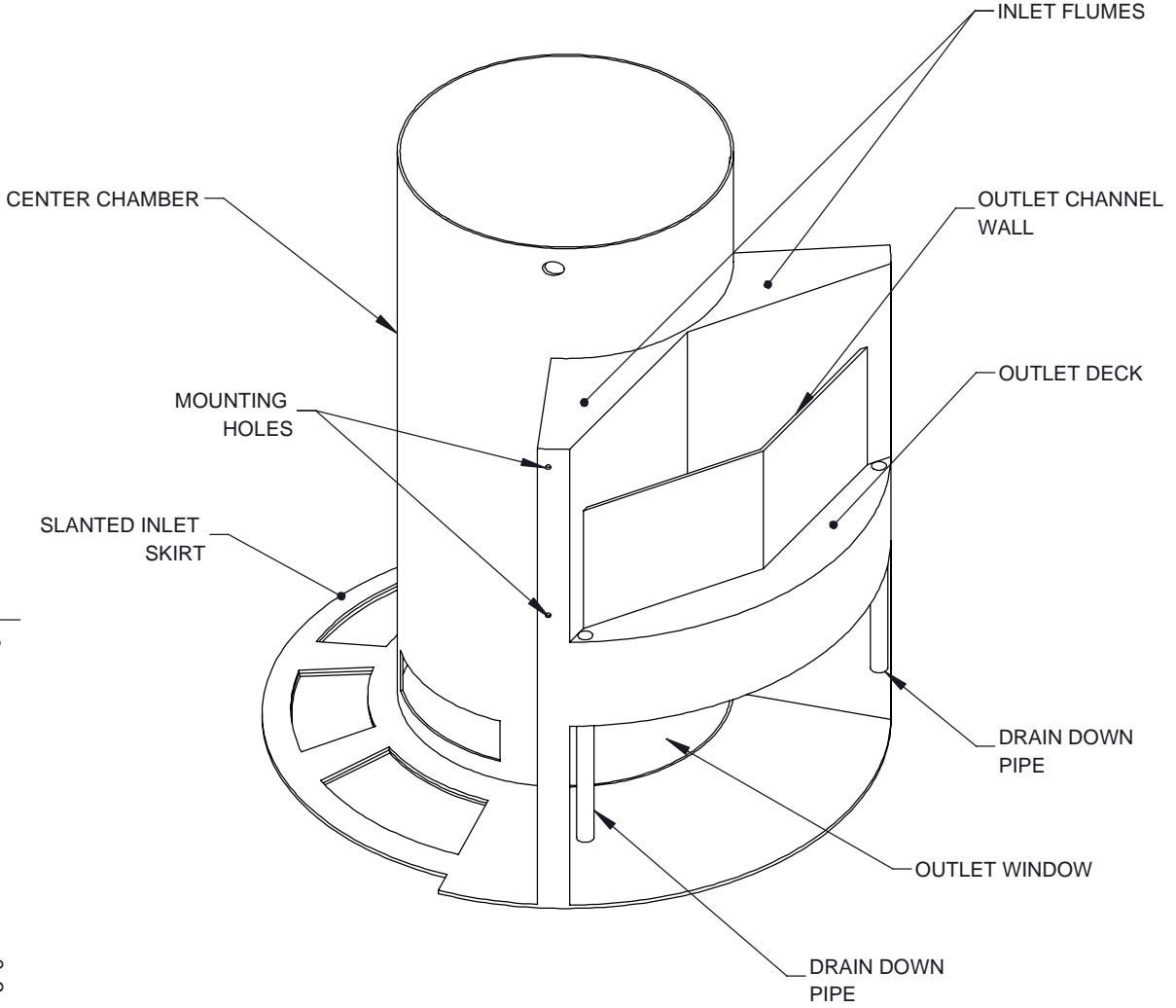
**PLAN VIEW**



**ELEVATION VIEW**



**ELEVATION VIEW: OUTLET SIDE**



**ISOMETRIC VIEW**

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

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REFERENCE DETAIL  
INTERNALS CS-5  
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: 325-003950		
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	