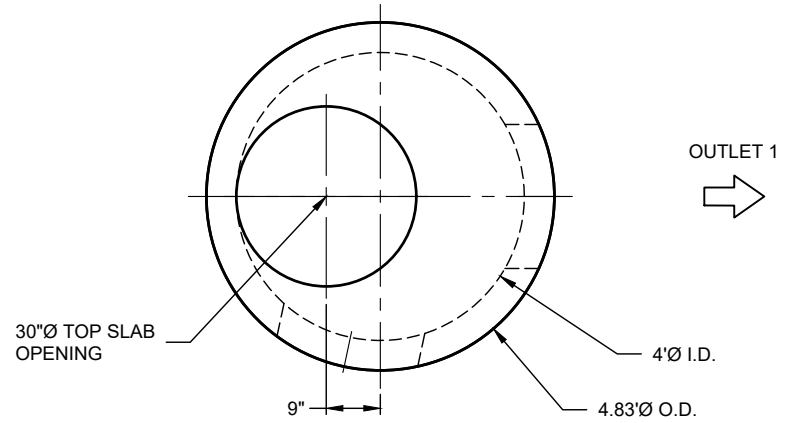
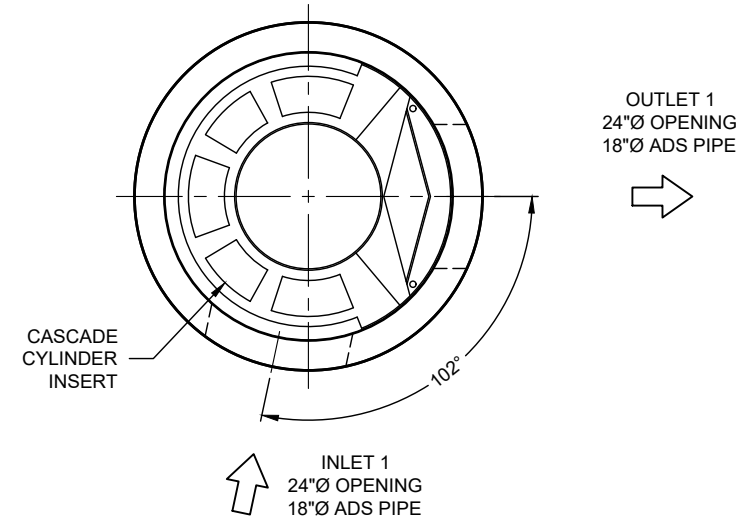


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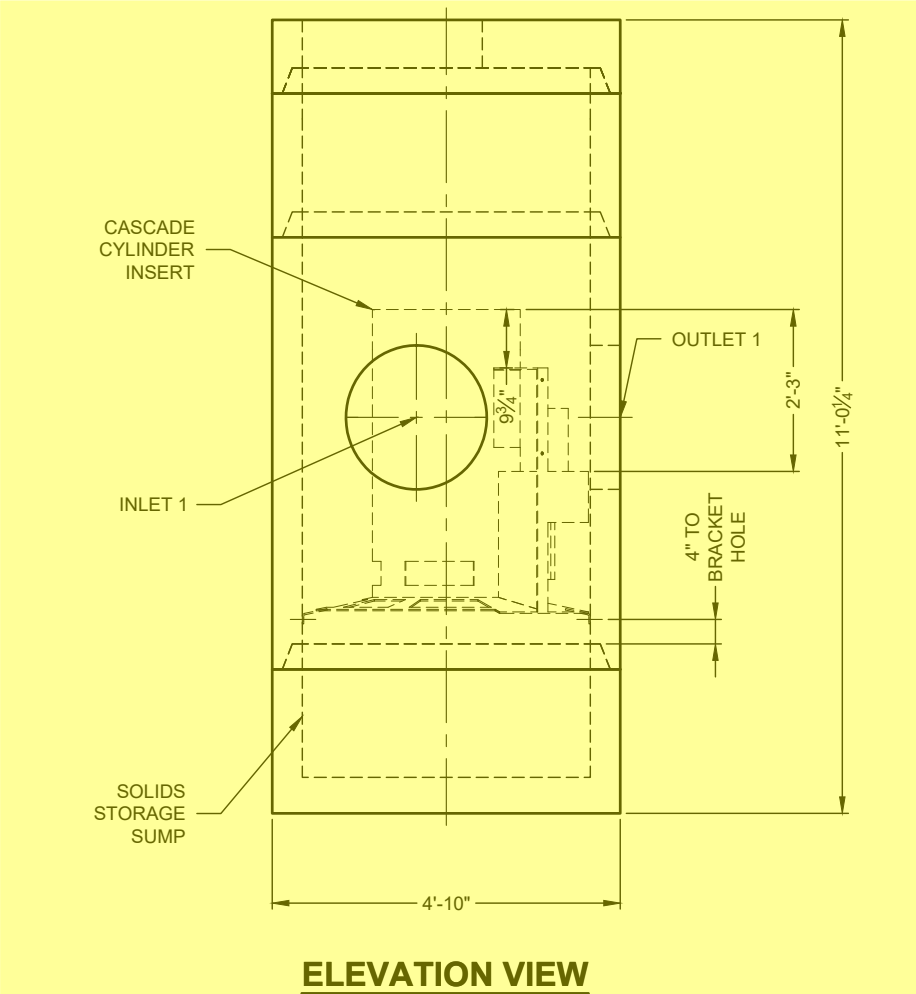


PLAN VIEW
INTERNALS NOT SHOWN

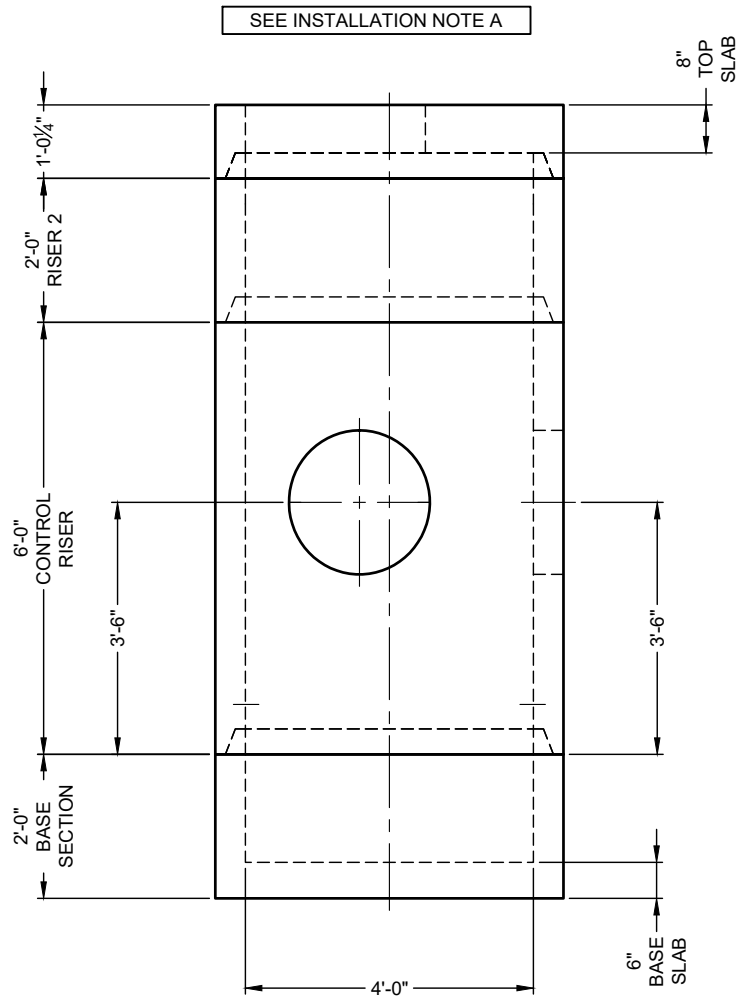


PLAN VIEW FOR PIPE ORIENTATION
TOP SLAB NOT SHOWN

ICAST to fully pre-assemble prior to shipment



ELEVATION VIEW



PRECAST COMPONENTS
INTERNALS NOT SHOWN

MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-4 CYLINDER INSERT, STD.	325-003949	CONTECH	PRECASTER
4	CS-4 ALUMINUM INSTALLATION BRACKETS	325-003956	CONTECH	PRECASTER
1	CS-4 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

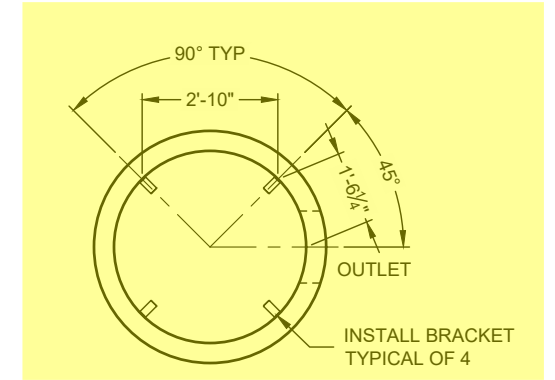
SITE INFORMATION

RIM ELEV. = 583.19+/-
 TOP OF STRUCTURE = 582.70
 INLET PIPE 1 INVERT ELEV. = 576.43
 INLET PIPE 1 DIAMETER AND MATERIAL = 18"Ø ADS
 OUTLET PIPE INVERT ELEV. = 576.43
 OUTLET PIPE DIAMETER AND MATERIAL = 18"Ø ADS
 OUTSIDE BOTTOM OF STRUCTURE ELEV. = 571.68

STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 5500 LBS.
 STRUCTURE IS DELIVERED IN 3 PIECES

TOP SLAB = 2000 LBS.
 RISER 2 = 2000 LBS.
 CONTROL RISER = 5500 LBS.
 BASE SECTION = 3000 LBS.



SUPPORT BRACKET LAYOUT PLAN VIEW

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MARK	DATE	REVISION DESCRIPTION	BY

CS-4 - 878844-10
7604 WOLF PEN BRANCH
PROSPECT, KY
SITE DESIGNATION: HSA-4P

CONTECH
 ENGINEERED SOLUTIONS LLC
 A CONTECH COMPANY
 810 Centre Pointe Dr., Suite 400, West Chester, OH 45380
 800.338.1122 513.645.7000 513.645.7803 FAX
CASCADE separator
 FOR PATENT INFORMATION, GO TO www.contech.com/PP

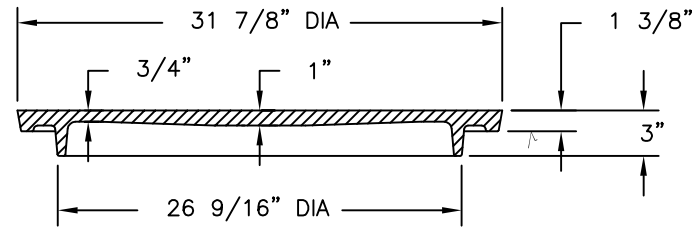
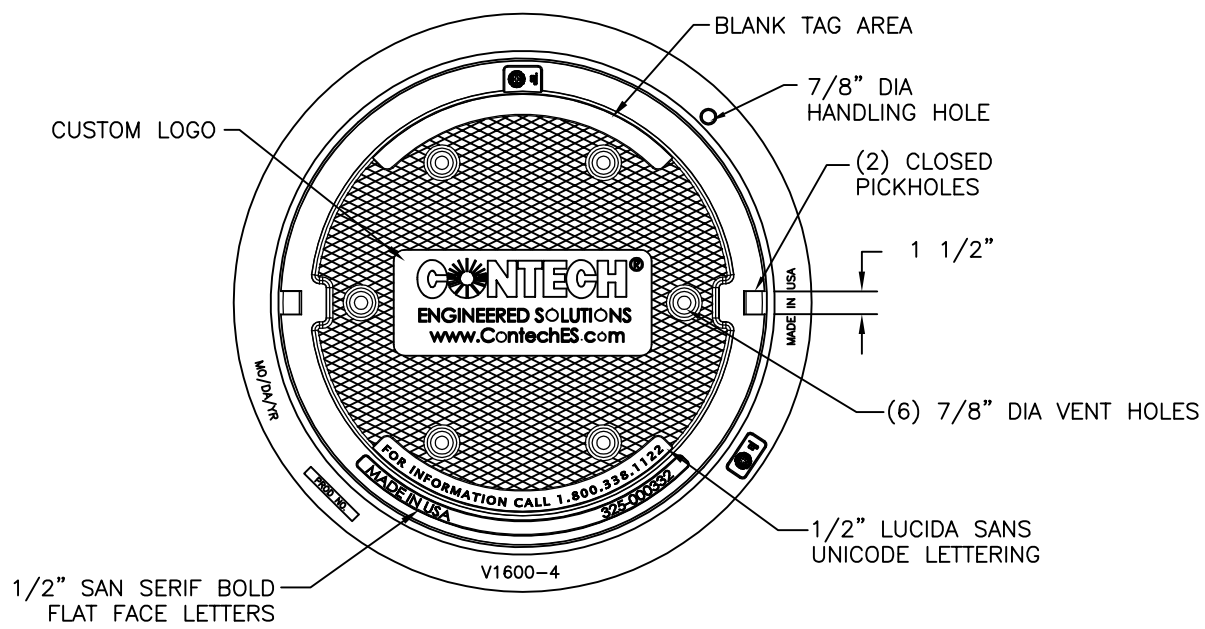
DATE: 2/2/2026

DESIGNED: MDB	DRAWN: MDB
CHECKED: MSB	APPROVED: MDB
PROJECT No.: 878844	SEQUENCE No.: 10
SHEET: 1	OF 1

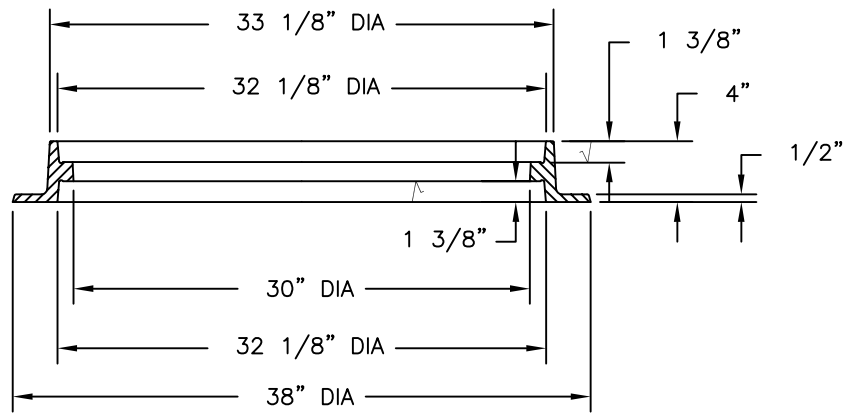
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26-1283 - 878844 Wolf Pen Branch

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

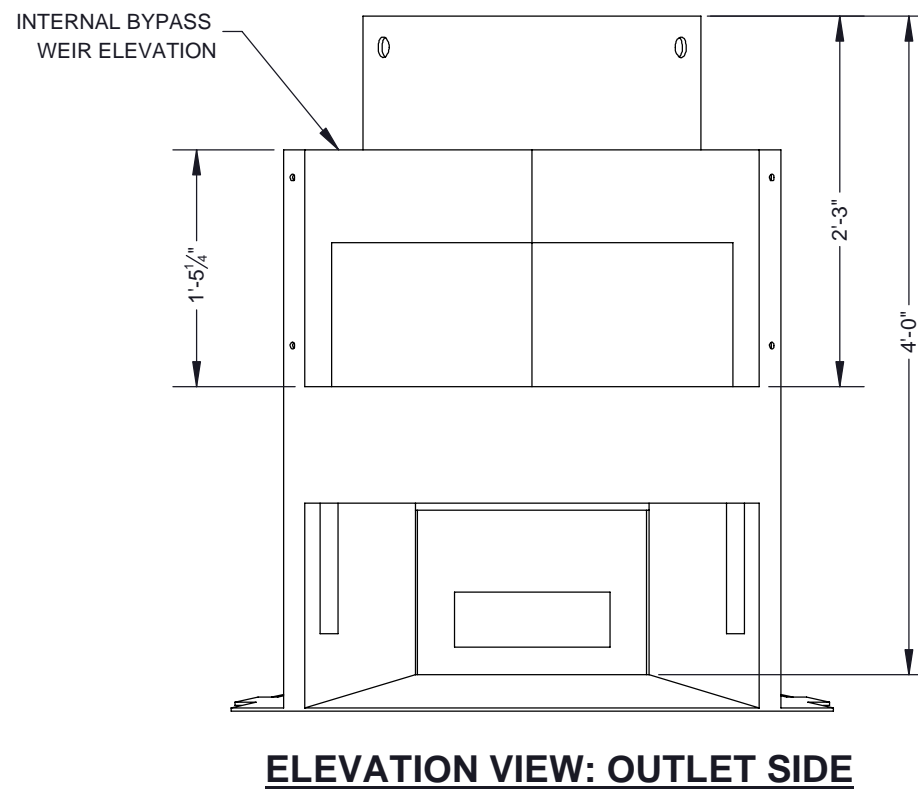
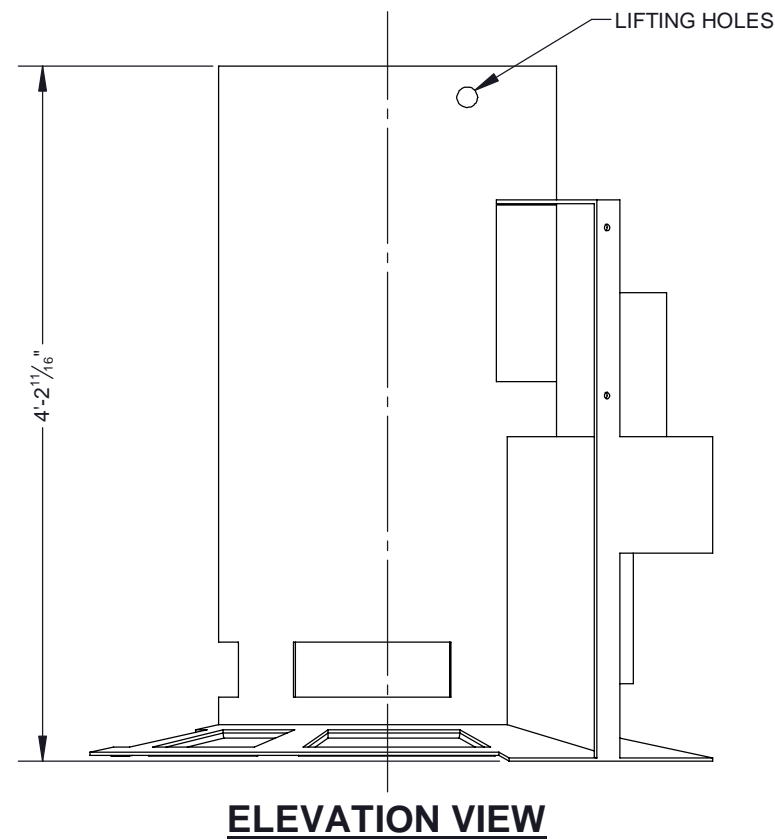
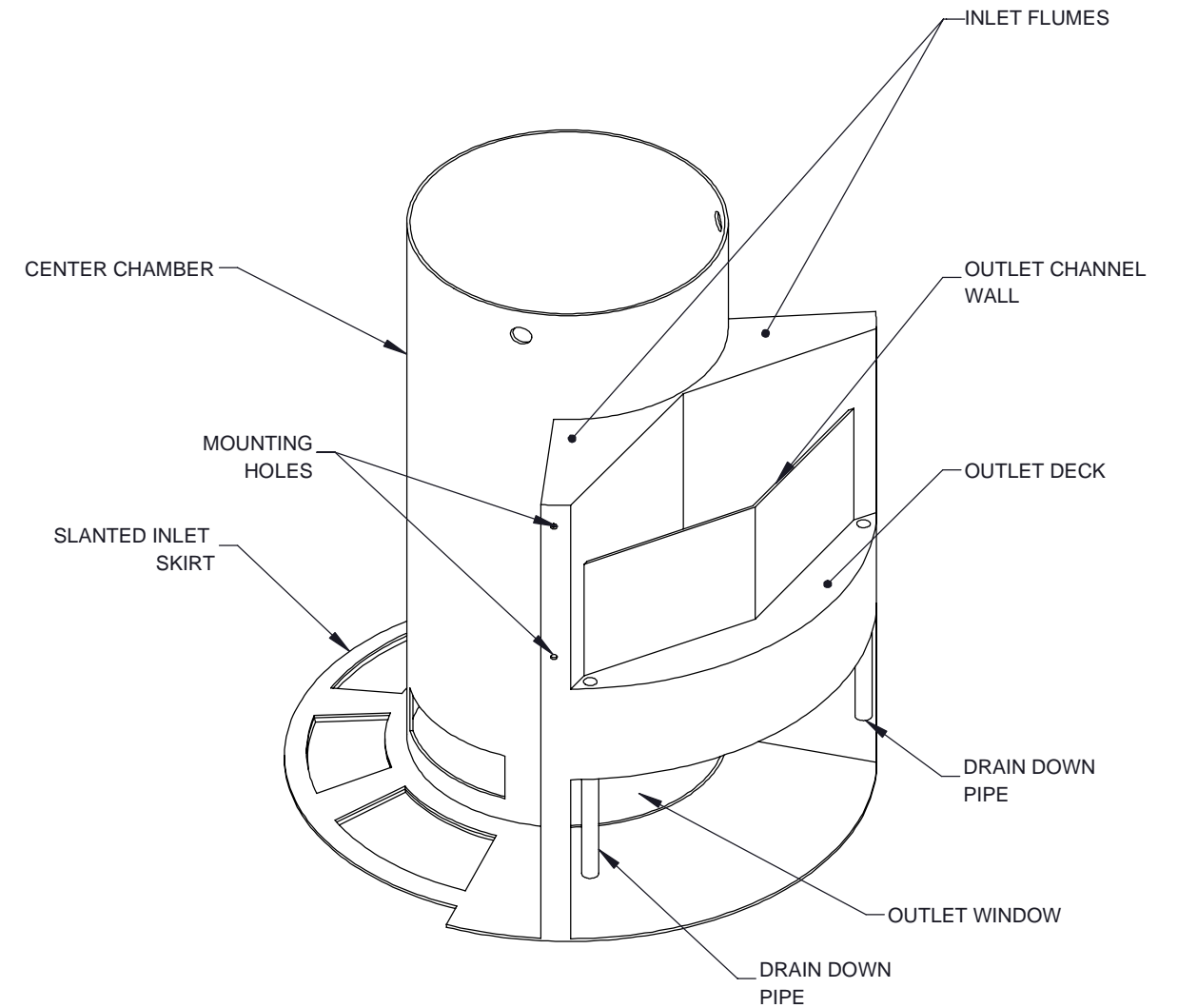
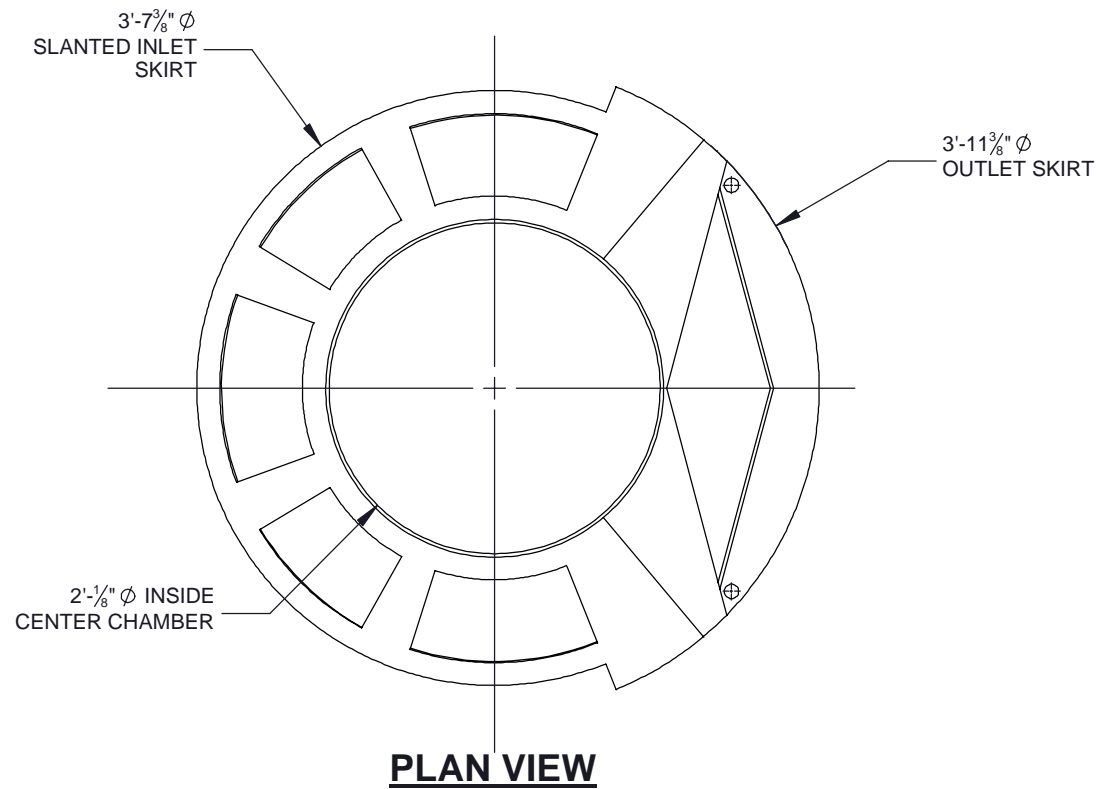
Disclaimer

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

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

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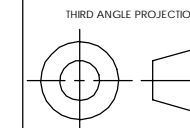
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REFERENCE DETAIL
INTERNALS CS-4
CASCADE SEPARATOR



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: 325-003949		
APPROVED BY: M. BROOKS	DRAWN BY: M. BROOKS	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.14	REV: B
SCALE: N/A	SHEET 1 OF 1	