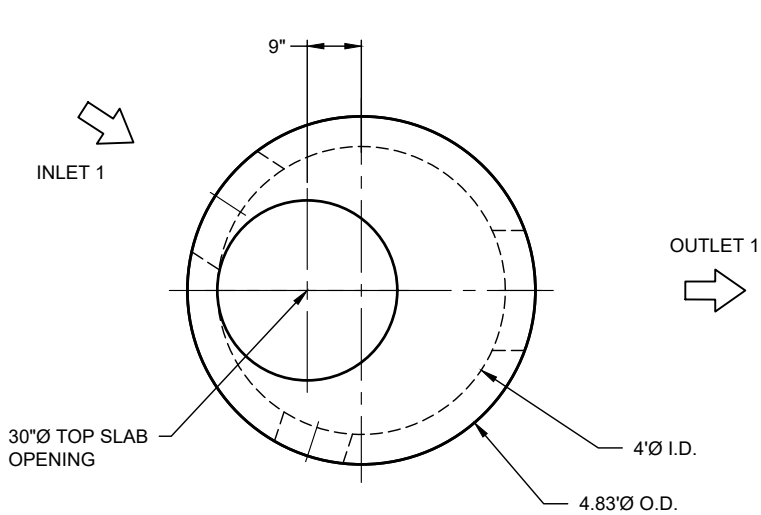
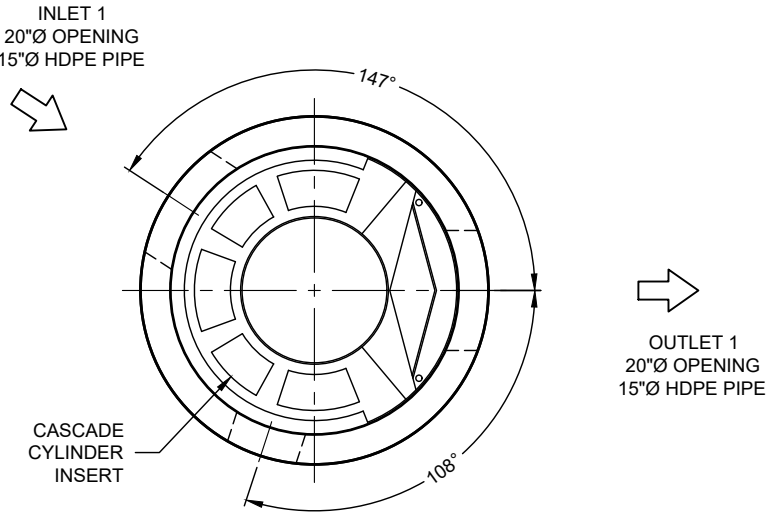


26-3785 863858 Bardstown High School



PLAN VIEW
INTERNALS NOT SHOWN



PLAN VIEW FOR PIPE ORIENTATION
TOP SLAB 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	CS-4 FIBERGLASS CYLINDER EXTENSION, 1 FT.	325-003957	CONTECH	CONTRACTOR
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

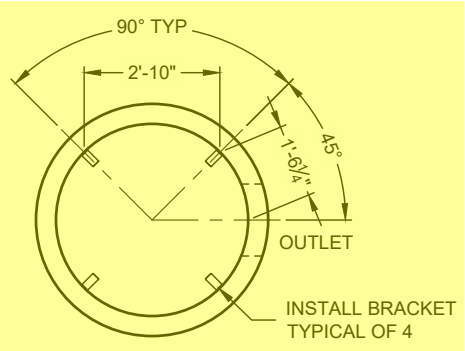
SITE INFORMATION

RIM ELEV. = 639.63+/-
TOP OF STRUCTURE = 639.28
INLET PIPE 1 INVERT ELEV. = 635.86
INLET PIPE 1 DIAMETER AND MATERIAL = 15"Ø HDPE
INLET PIPE 2 INVERT ELEV. = 635.86
INLET PIPE 2 DIAMETER AND MATERIAL = 6"Ø HDPE
OUTLET PIPE INVERT ELEV. = 635.76
OUTLET PIPE DIAMETER AND MATERIAL = 15"Ø HDPE
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 631.01

STRUCTURE WEIGHT

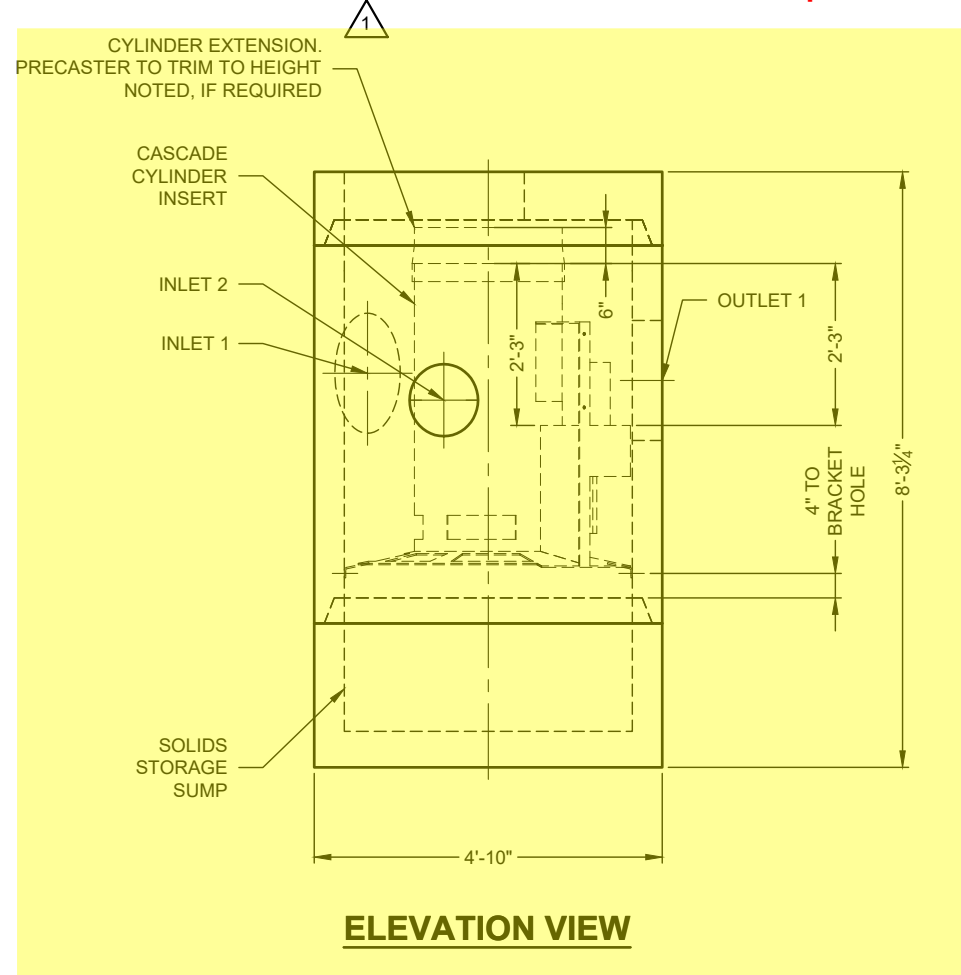
APPROXIMATE HEAVIEST PICK = 4500 LBS.
STRUCTURE IS DELIVERED IN 3 PIECES

TOP SLAB = 2000 LBS.
CONTROL RISER = 4500 LBS.
BASE SECTION = 3000 LBS.

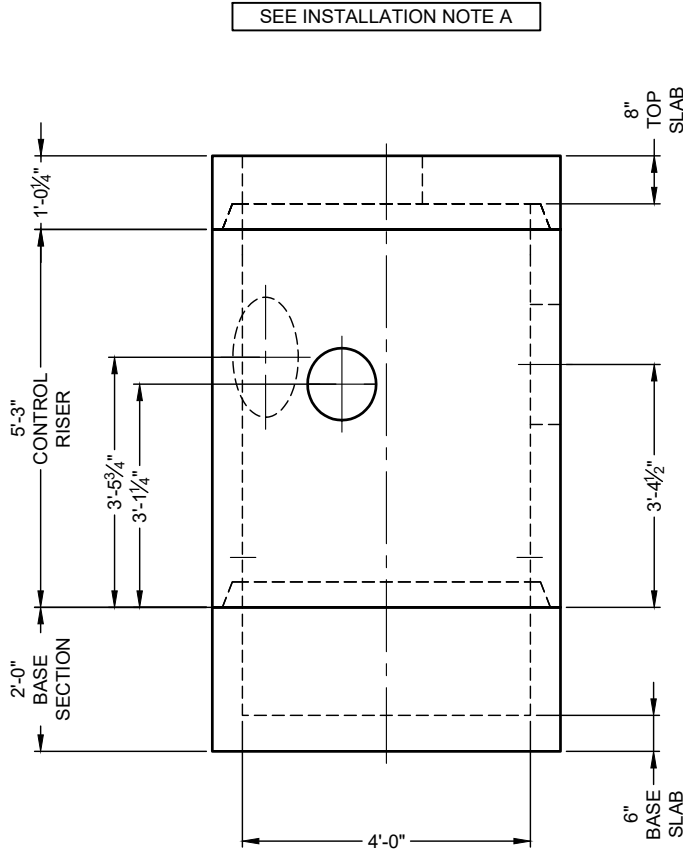


SUPPORT BRACKET LAYOUT PLAN VIEW

10-CS-4
ICAST to fully pre-assemble internal materials prior to shipment



ELEVATION VIEW



PRECAST COMPONENTS
INTERNALS NOT SHOWN

ICAST
5888 / 757440
LAYOUT 1A
4.28TS

CONTECH
FABRICATION
DRAWING

CS-4 - 863858-10
BARDSTOWN HIGH SCHOOL - ADDITION
AND RENOVATION - PHASE 2
BARDSTOWN, KY
SITE DESIGNATION: WQU-3C

CONTECH
ENGINEERED SOLUTIONS LLC
A CONTECH COMPANY

910 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-345-7000 513-345-7893 FAX

CASCADE
separator

FOR PATENT INFORMATION, GO TO www.conteches.com/IP

DATE:
10/29/2025

DESIGNED:
MDB

CHECKED:
CEU

PROJECT No.:
863858

SHEET:
1

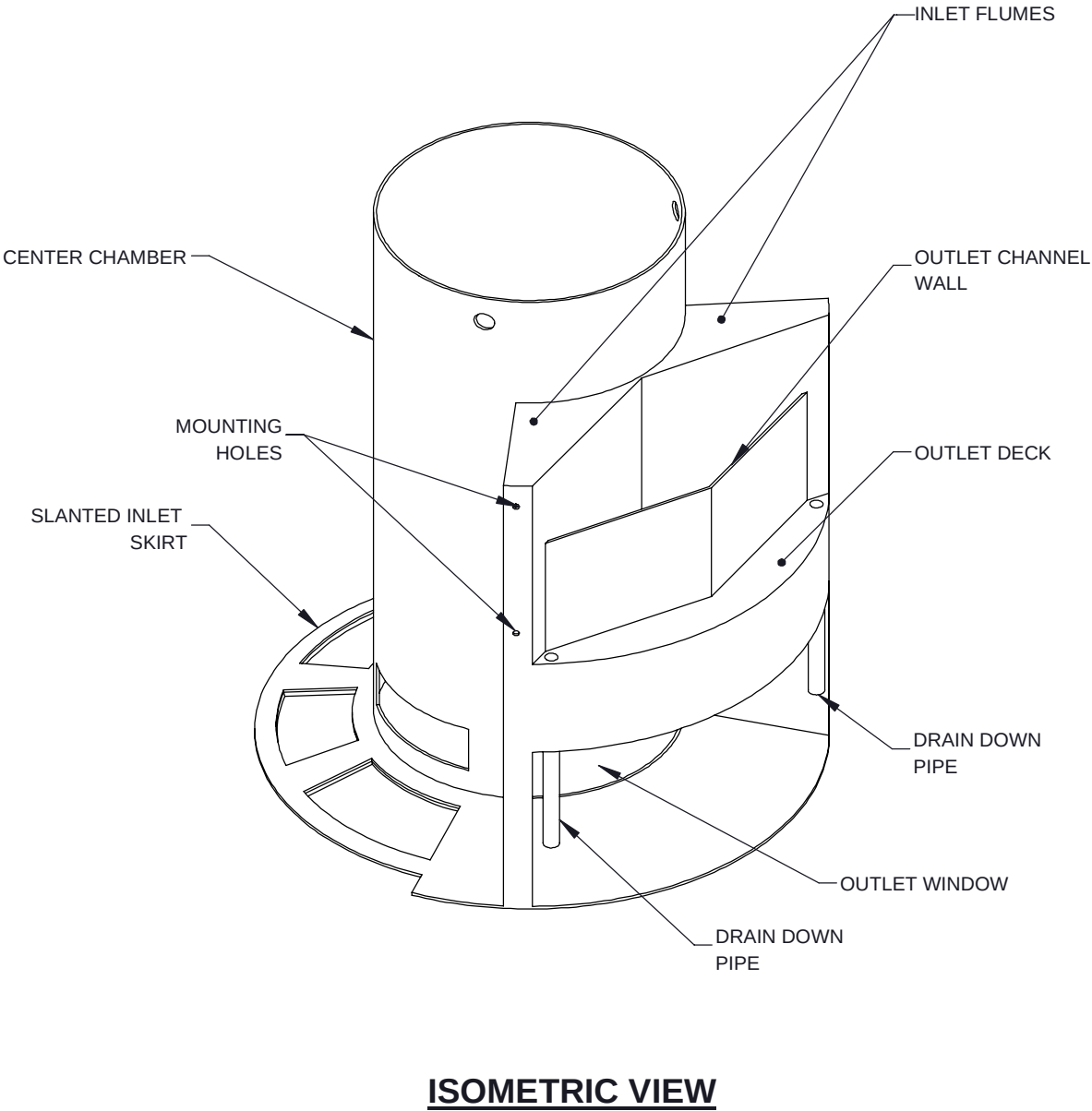
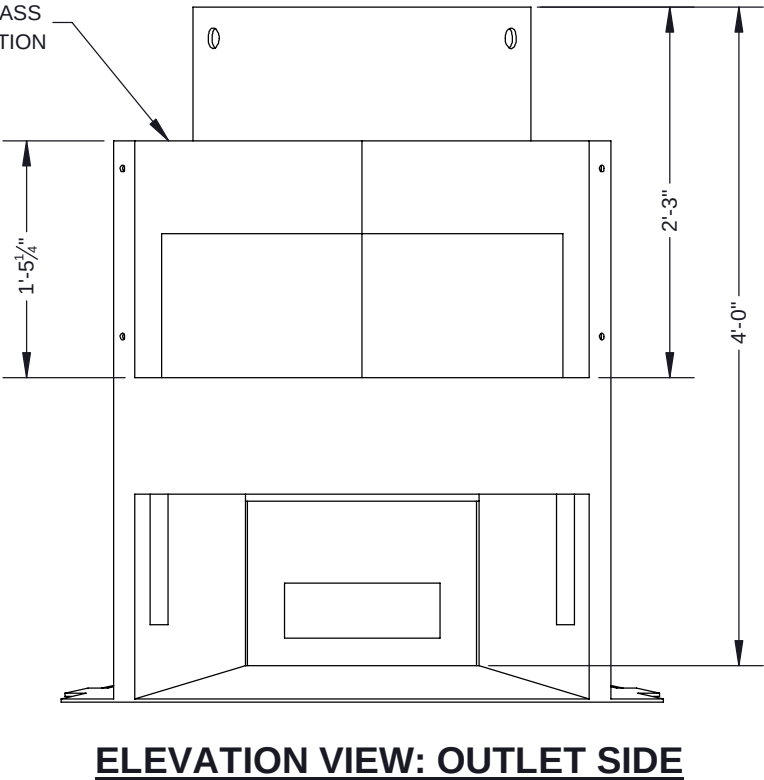
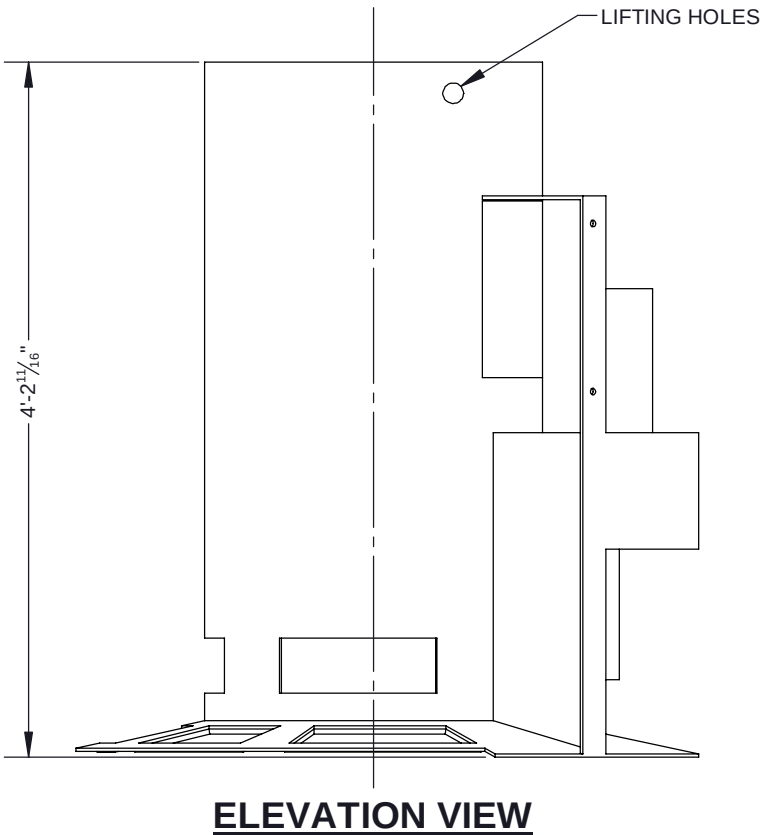
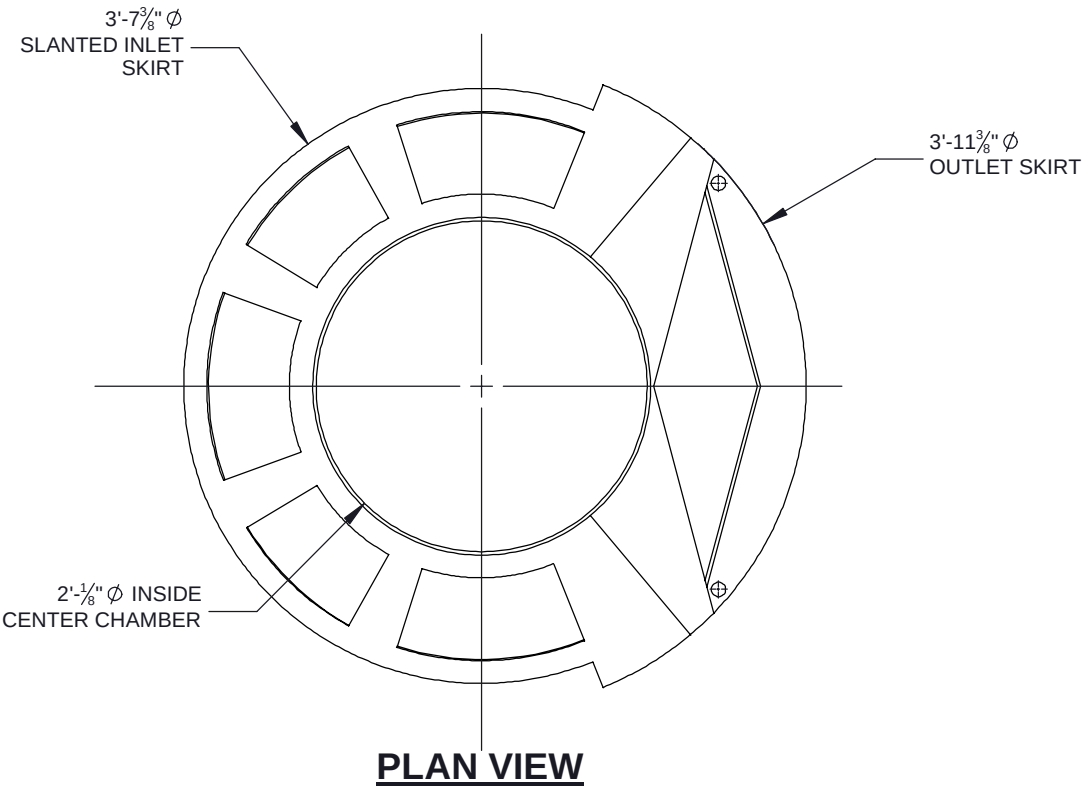
DRAWN:
MDB

APPROVED:
MDB

SEQUENCE No.:
10

OF 1





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

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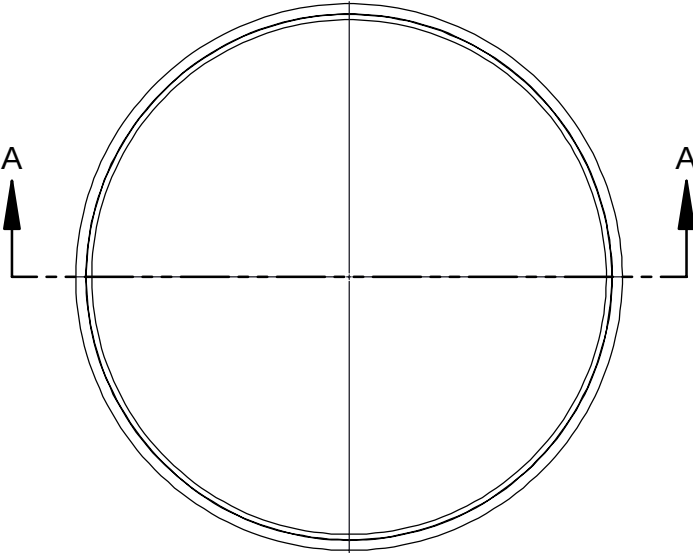
REFERENCE DETAIL
INTERNALS CS-4
CASCADE SEPARATOR

THIRD ANGLE PROJECTION

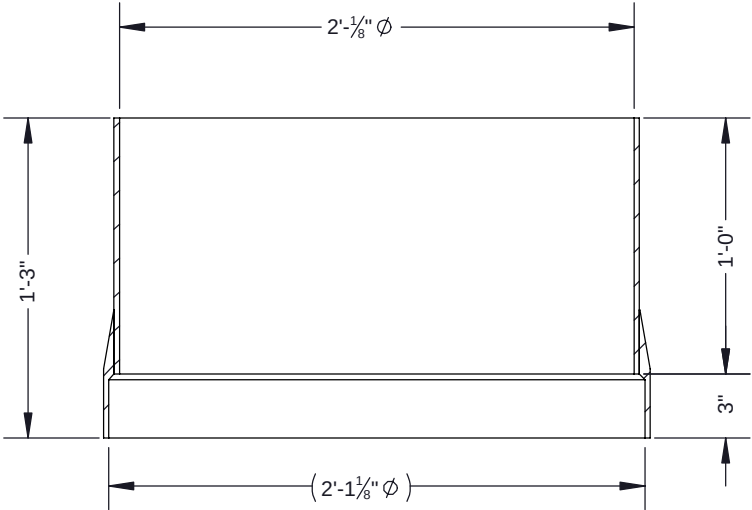
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

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

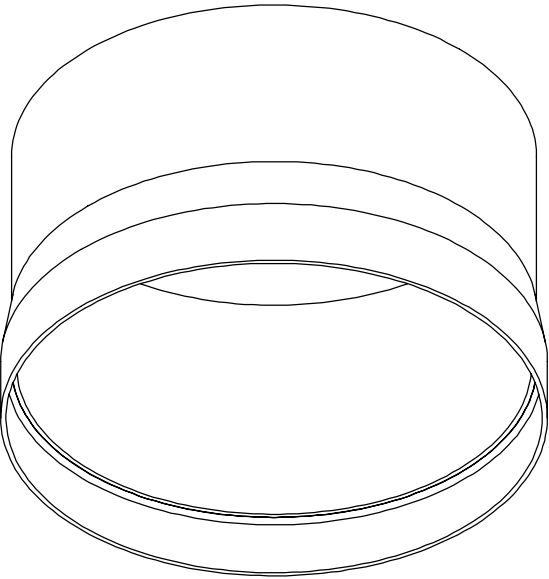
PART NUMBER: 325-003949		
APPROVED BY: M. BROOKS	DRAWN BY: M. BROOKS	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.14	REV: B
SCALE: N/A	SHEET 1 OF 1	



PLAN VIEW



SECTION A-A



ISOMETRIC VIEW

- NOTES:
1. SEE SITE SPECIFIC DRAWINGS FOR REQUIRED CYLINDER EXTENSION HEIGHT
 2. SEE CYLINDER EXTENSION INSTALLATION GUIDE FOR ADDITIONAL INFORMATION