



ELEVATION VIEW

Diagram illustrating the Elevation View of the 1000L Reactor. Key dimensions and components are labeled:

- Overall Height:** 9'-0 $\frac{1}{4}$ "
- Overall Width:** 4'-10"
- Outlet 1:** 2'-3"
- Inlet 1:** 9 $\frac{3}{4}$ "
- 4" TO BRACKET HOLE:** Dimension indicating the distance from the bottom of the reactor to the bracket hole.
- Components:**
 - CASCADE CYLINDER INSERT
 - SOLIDS STORAGE SUMP



ICAST
5888 / 757440
LAYOUT 1A
4.68TS

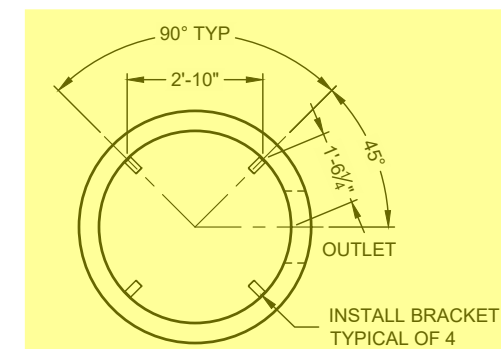
COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-4 CYLINDER INSERT, STD.	325-003949	CONTECH	PRECASTER
4	CS-4 ALUMINUM INSTALLATION BRACKETS	325-003956	CONTECH	PRECASTER
1	CS-4 HARDWARE KIT	325-003955	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
1	30"Ø X 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR

1. DESIGN LOADING - AASHTO HS-20
2. ALL PRECAST CONCRETE MANUFACTURED PARTS SHALL CONFORM TO ASTM C-478, WITH MINIMUM CONCRETE STRENGTH OF 4000 PSI AT 28 DAYS
3. JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
4. GROUND WATER ELEVATION ASSUMED AT OUTLET INVERT
5. MANUFACTURING TOLERANCE = +/- 1/2-INCH
6. SOME HIDDEN LINES MAY BE OMITTED FOR CLARITY

- A. PRECASTER TO SHIP ACCESS CASTINGS WITH STRUCTURE
- B. REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- C. PRECASTER TO INSTALL INTERNAL COMPONENTS PRIOR TO SHIPPING UNLESS INSTRUCTED OTHERWISE BY CONTECH
- D. PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE
- E. APPLYING ALIGNMENT MARKS ON ALL PIECES OF MULTIPLE PIECE ASSEMBLIES IS ENCOURAGED
- F. IF STRUCTURE IS DELIVERED IN MULTIPLE SECTIONS, EACH PIECE SHALL BE LABELED WITH THE CONTECH PROJECT NUMBER, SEQUENCE NUMBER AND SITE DESIGNATION

RIM ELEV. = 495.44+/-
TOP OF STRUCTURE = 494.27
INLET PIPE 1 INVERT ELEV. = 490.00
INLET PIPE 1 DIAMETER AND MATERIAL = 12"Ø ADS
OUTLET PIPE INVERT ELEV. = 490.00
OUTLET PIPE DIAMETER AND MATERIAL = 12"Ø ADS
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 485.25

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



CONTECH
FABRICATION
DRAWING

SUPPORT BRACKET LAYOUT PLAN VIEW

[illegible]

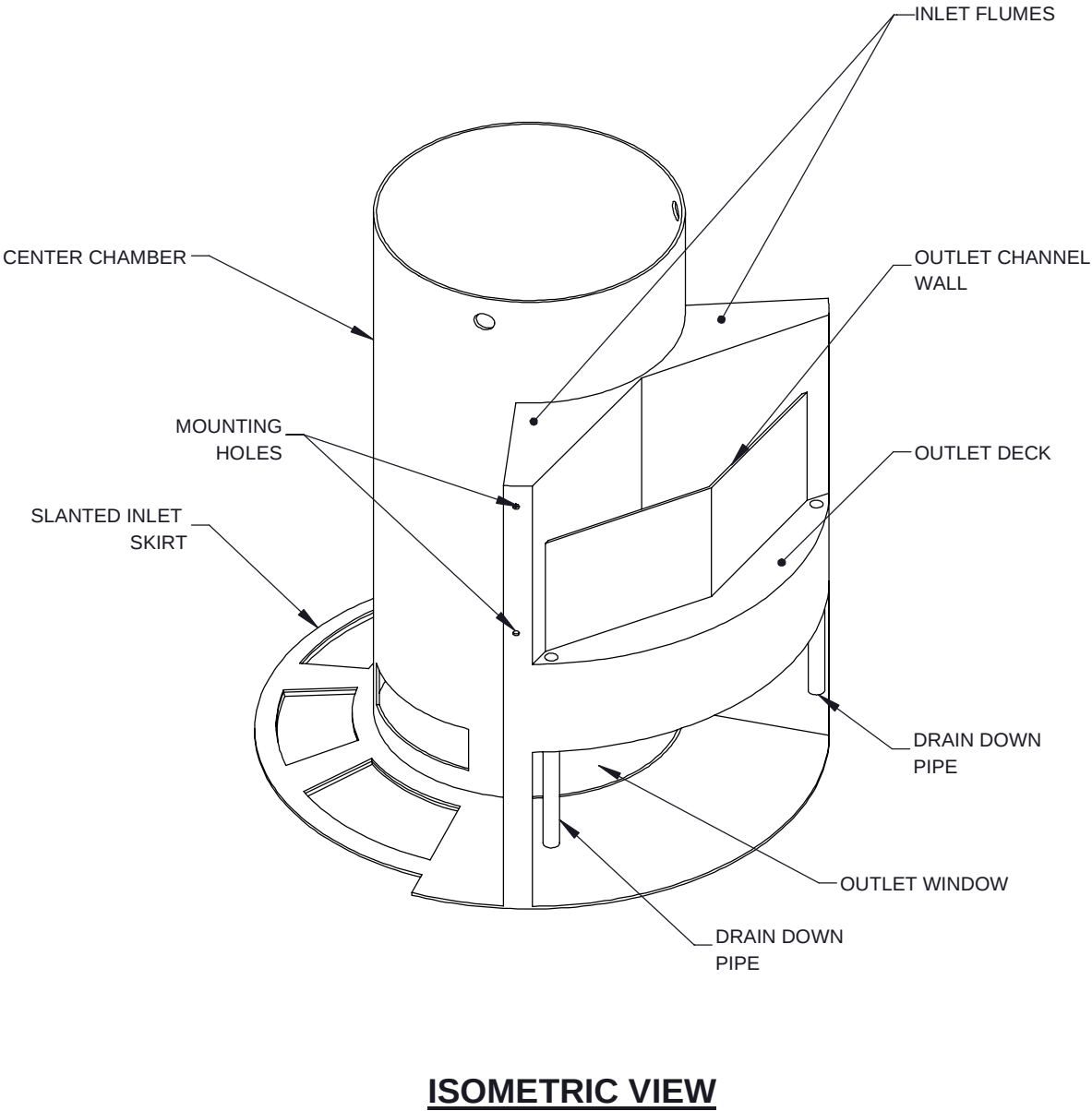
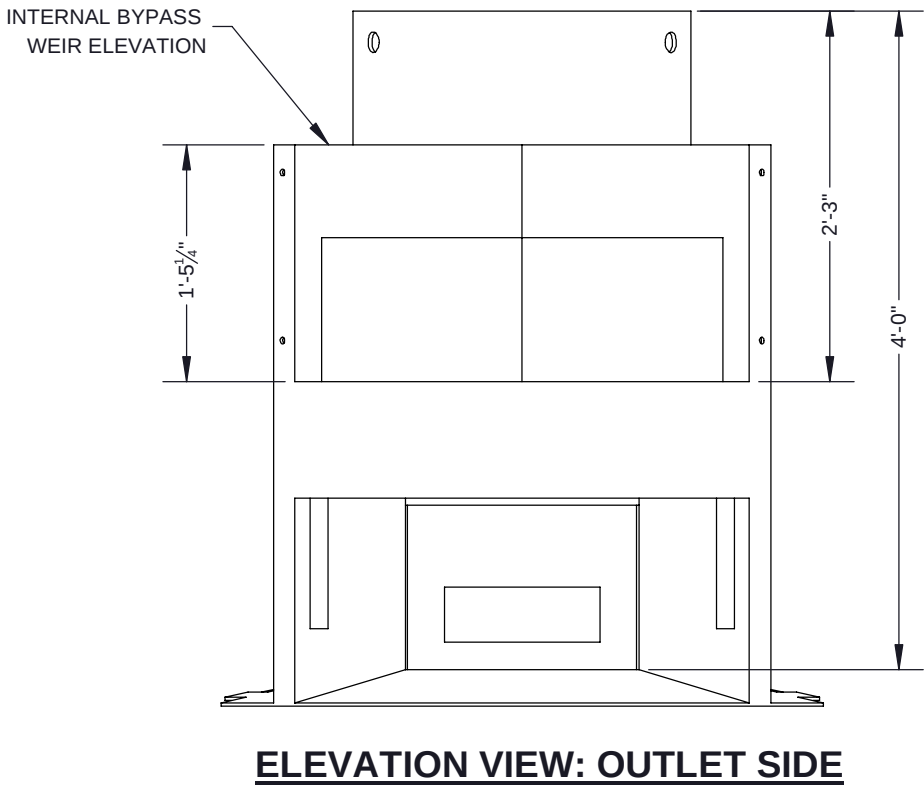
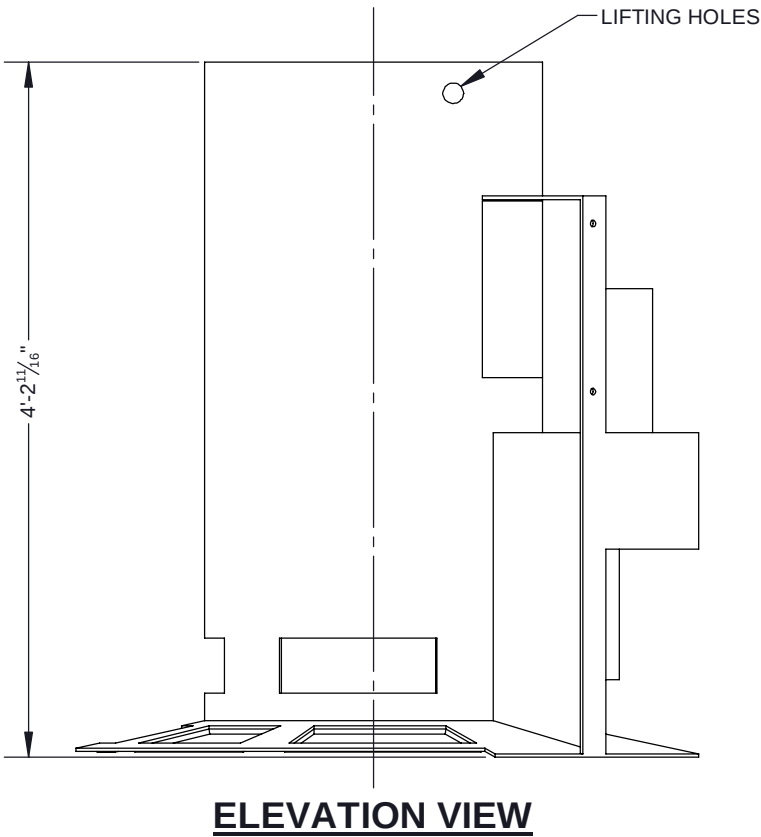
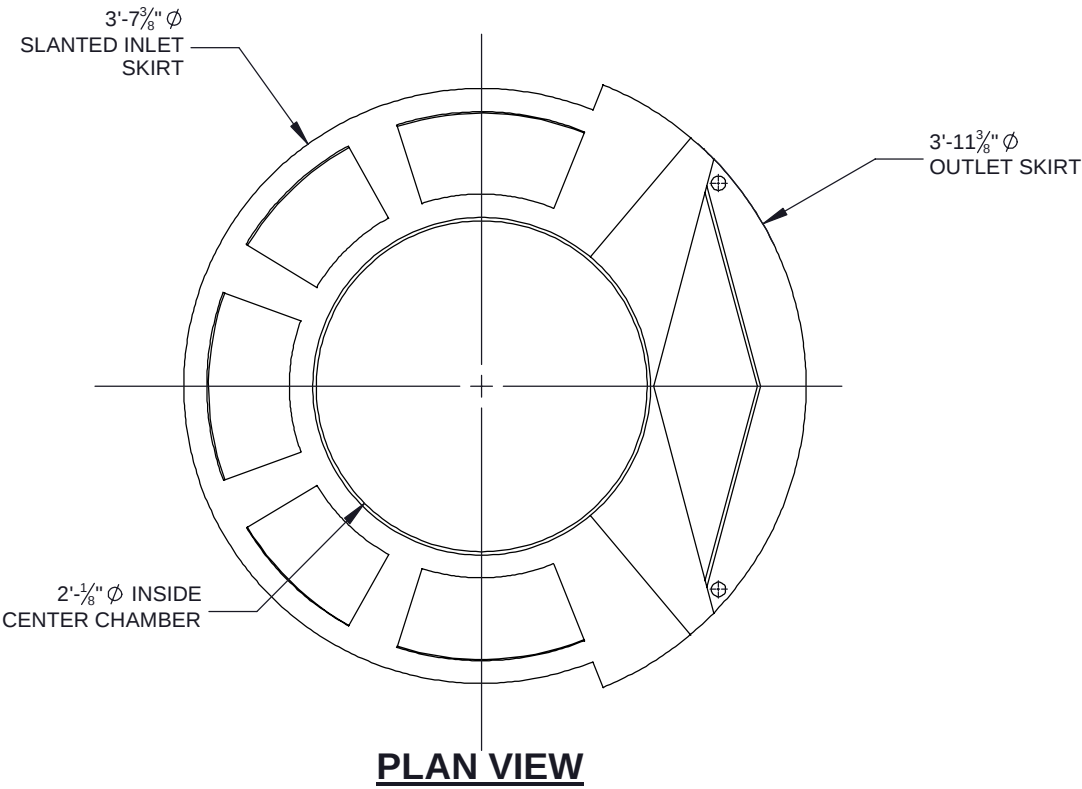
CS-4 - 788327-10
2221 BRADFORD DRIVE
LOUISVILLE, KY
SITE DESIGNATION: WQU

CONTECH
ENGINEERED SOLUTIONS LLC
A **QUEST** COMPANY

9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7003 FAX

CASCADE
separator

FOR PATENT INFORMATION, GO TO www.contechsep.com



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

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REFERENCE DETAIL
INTERNALS CS-4
CASCADE SEPARATOR

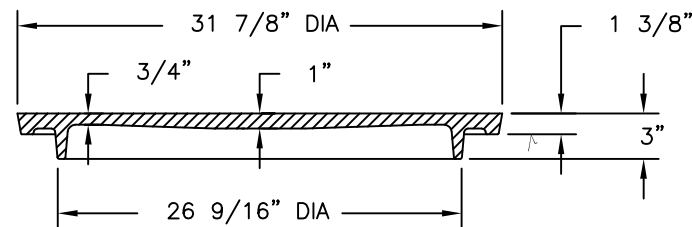
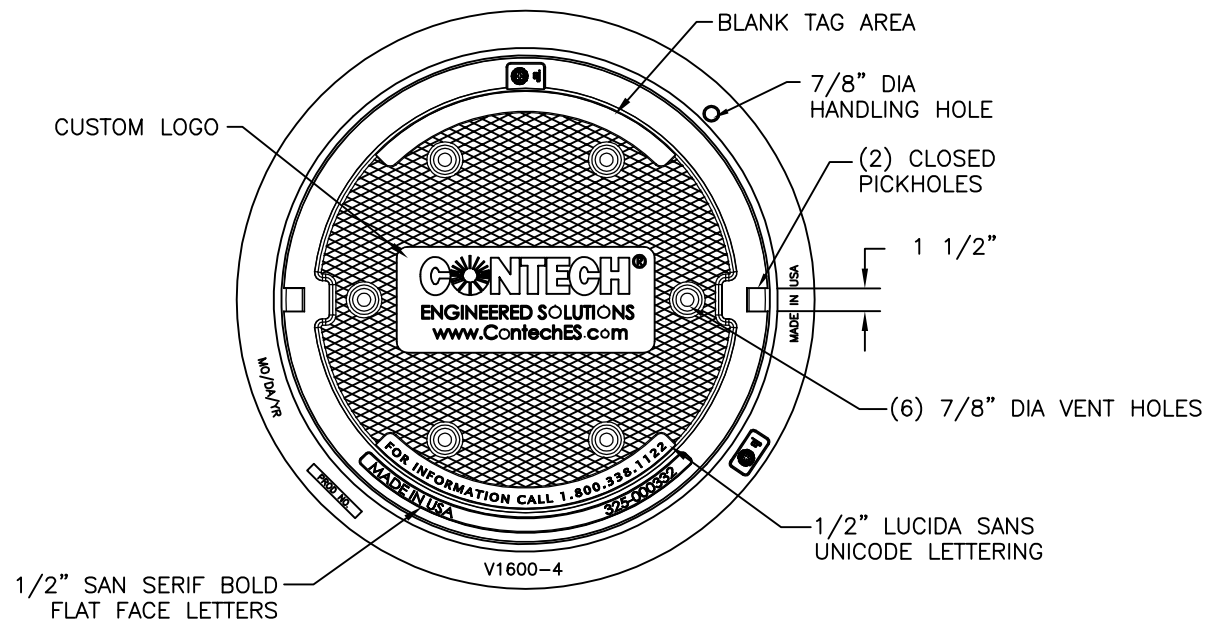
THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

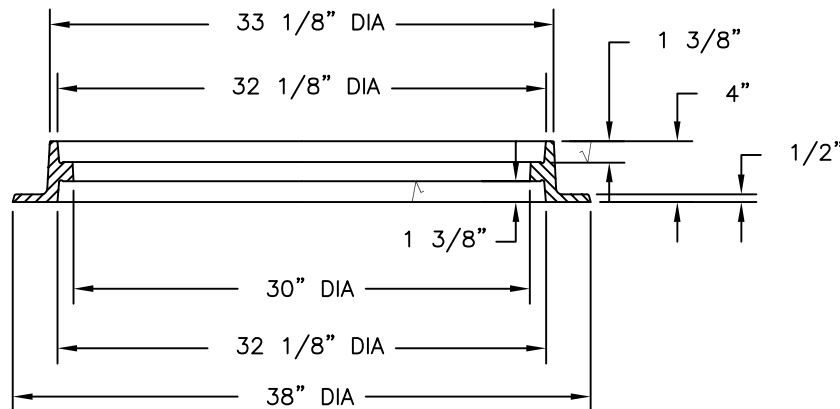
TOLERANCES:
FRACTIONAL $\pm 1/16$
ANGLES ± 1 DEGREE
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.030

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	

26-2791 788327 2221 Bradford Dr
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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