



ICAST to fully pre-assemble internal materials prior to shipment



CONTECH
FABRICATION
DRAWING

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. = 336+/-
TOP OF STRUCTURE = 335.42
INLET PIPE 1 INVERT ELEV. = 331.15
INLET PIPE 1 DIAMETER AND MATERIAL = 18"Ø HDPE
OUTLET PIPE INVERT ELEV. = 331.15
OUTLET PIPE DIAMETER AND MATERIAL = 18"Ø HDPE
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 326.40

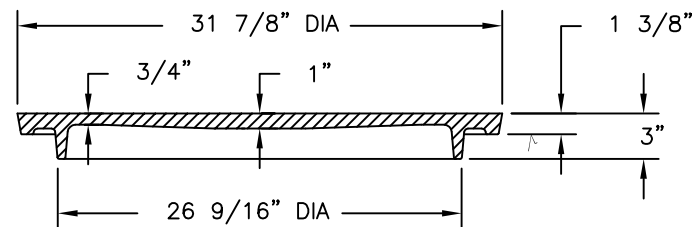
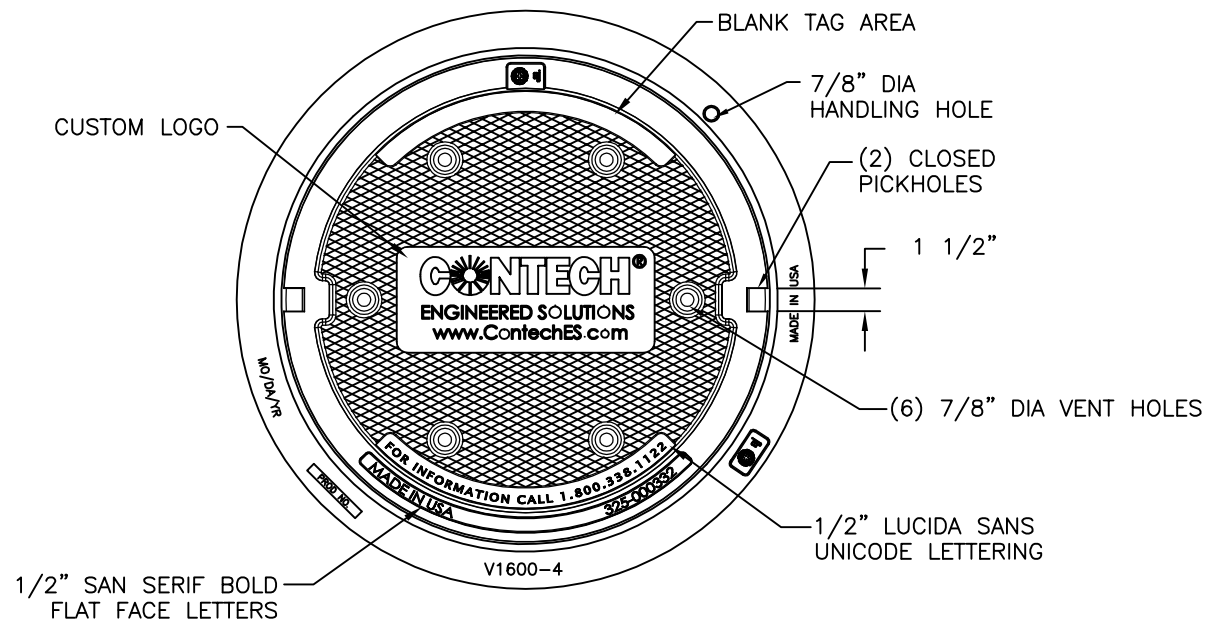
TOP SLAB = 2000 LBS. 
CONTROL RISER = 5500 LBS.
BASE SECTION = 2500 LBS.



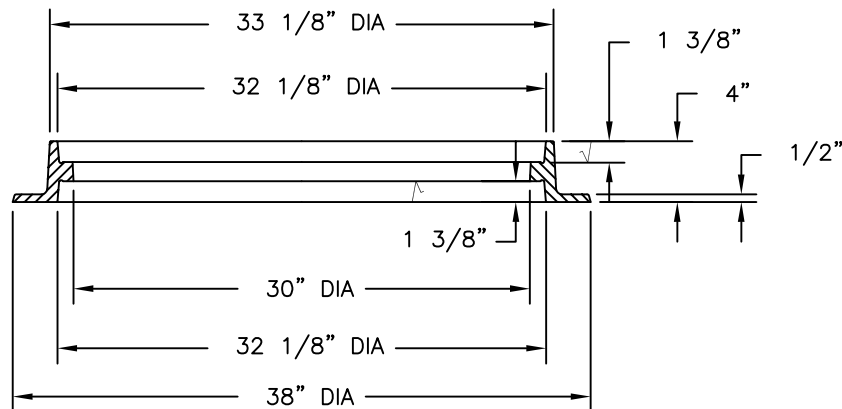
 ENGINEERED SOLUTIONS LLC <i>A QUANTA SERVICES COMPANY</i> 9100 Centre Pointe Dr., Suite 400, West Chester, OH 45389 800-338-1122 513-945-7000 513-945-7993 FAX						CASCADE separator® FOR PATENT INFORMATION, GO TO www.ContechES.com/IP					
DATE:											
6/16/2026											
DESIGNED: MDB				DRAWN: MDB							
CHECKED: MSB				APPROVED: MDB							
PROJECT NO.: 839248				SEQUENCE NO.: 20							
SHEET:											
1 OF 1											

26-2877 839248 Aloft

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

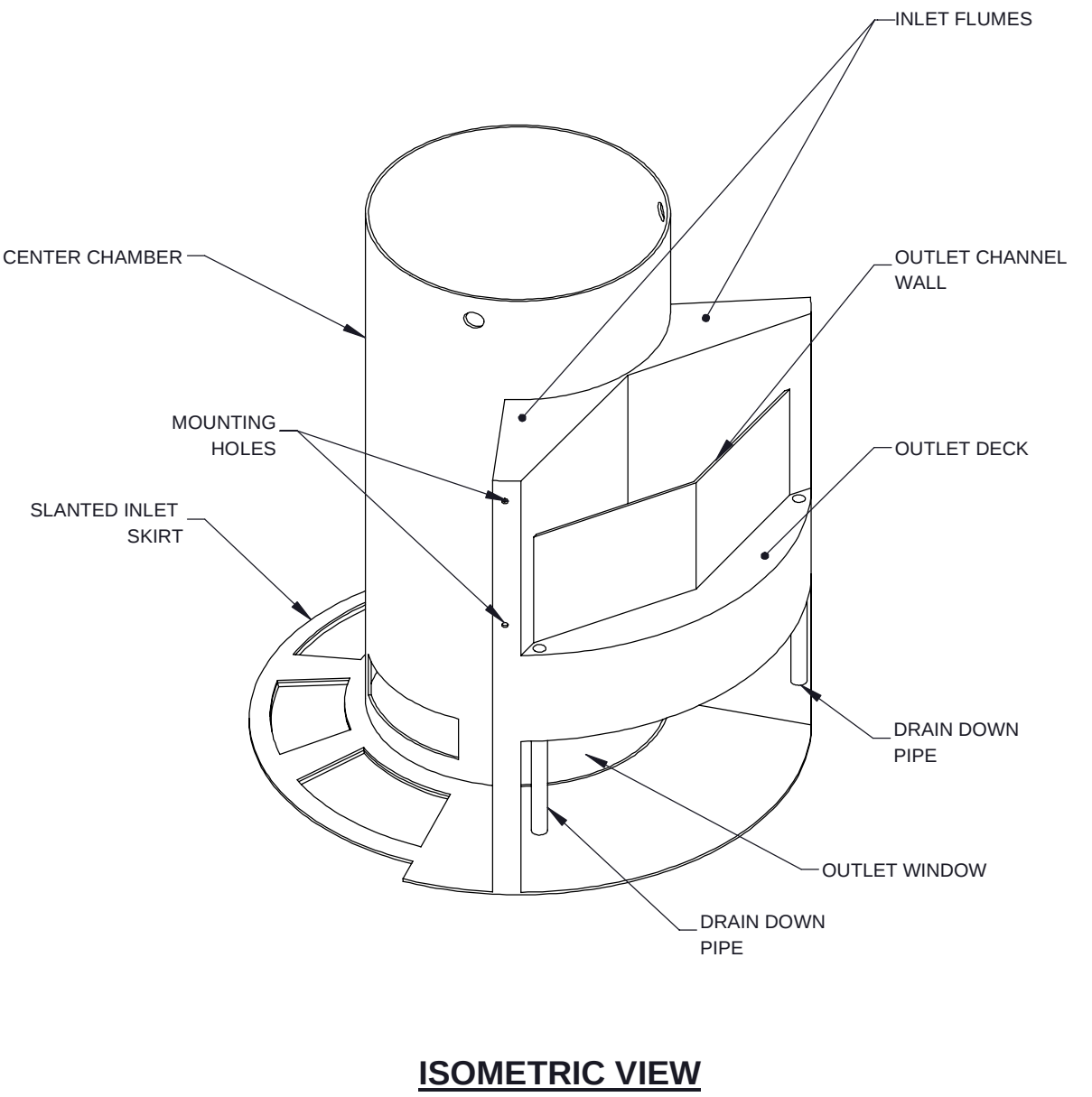
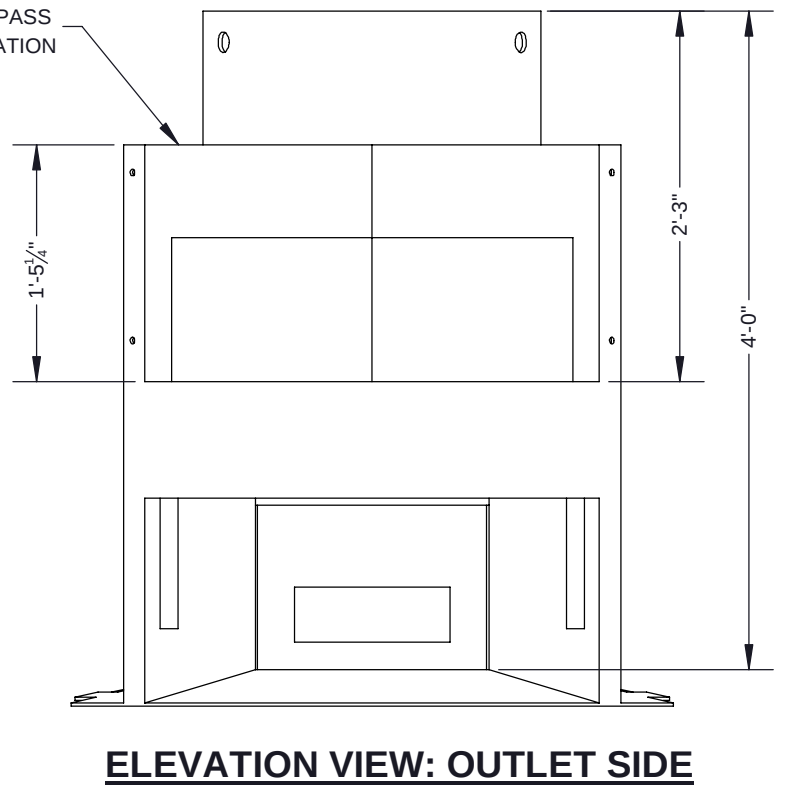
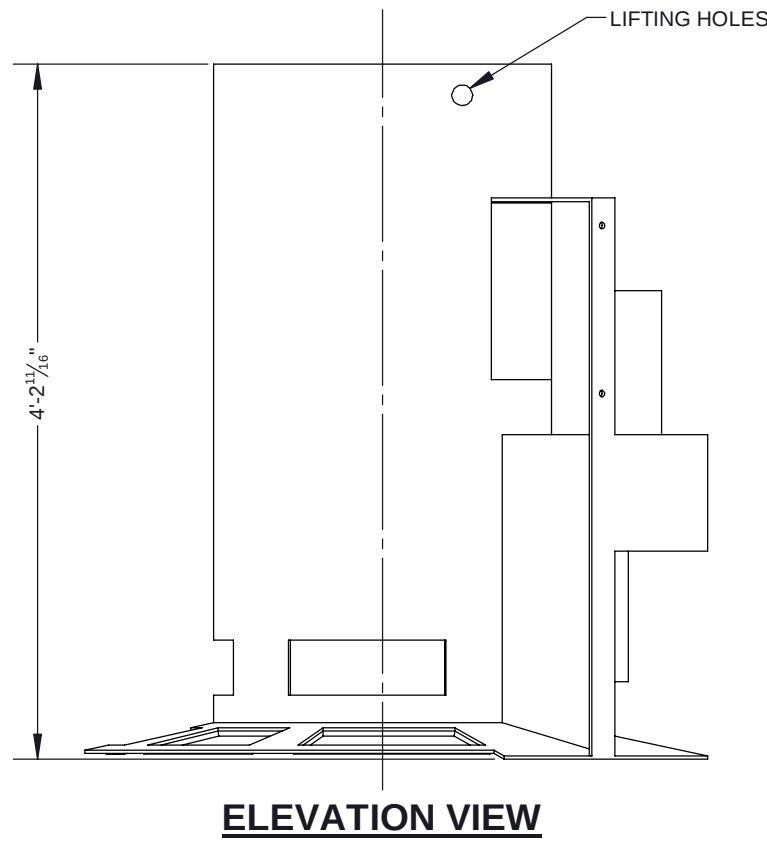
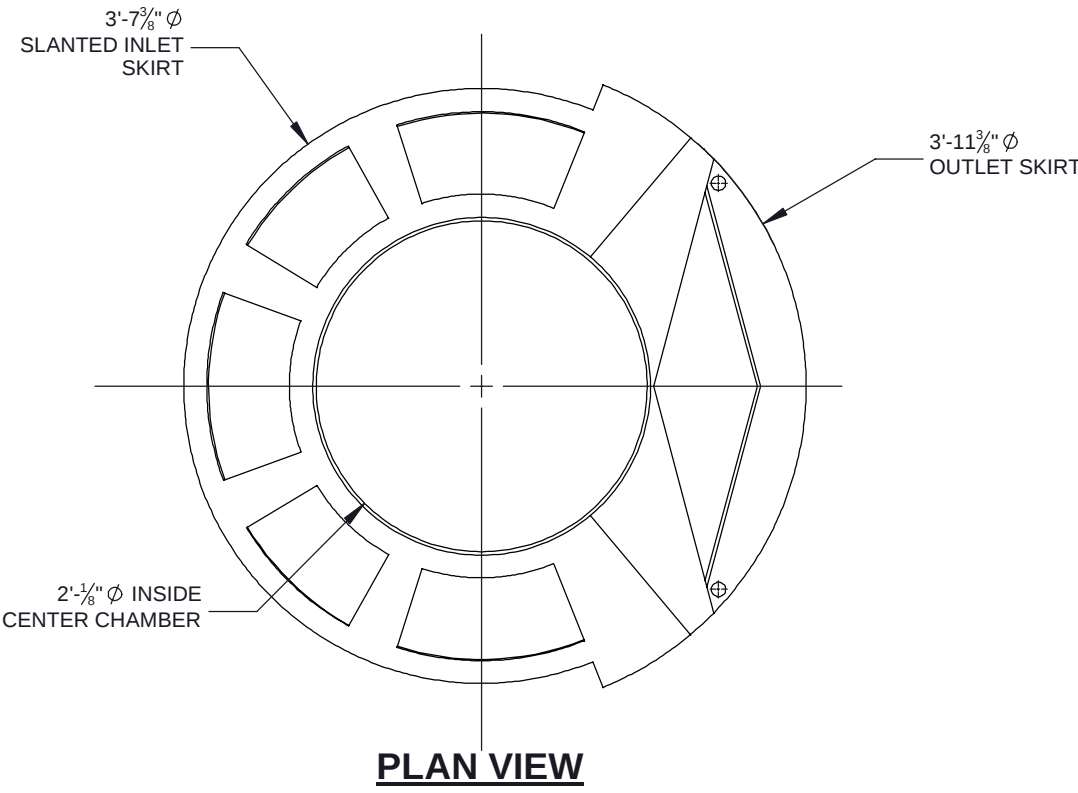
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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Contact

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