

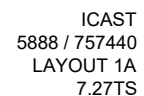
C:\USERS\MICHAEL.BUMPLONEDRIVE - THE QUIKRETE COMPANIES\DYNAMICS385 - CONTECH - PROJECTS\913209\PRODUCTS\10-CASCADE 5"DRAWINGS\913209-10-CS-5-CONFAB.DWG 9/25/2026 11:30 AM



INSTALLER TO TRIM CYLINDER
TO DIMENSIONED HEIGHT



PRECAST COMPONENTS
INTERNALS NOT SHOWN



SUPPORT BRACKET LAYOUT PLAN VIEW

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

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. = 440+/-
 TOP OF STRUCTURE = 439.14
 INLET PIPE 1 INVERT ELEV. = 435.92
 INLET PIPE 1 DIAMETER AND MATERIAL = 12"Ø PVC
 OUTLET PIPE INVERT ELEV. = 435.92
 OUTLET PIPE DIAMETER AND MATERIAL = 12"Ø PVC
 OUTSIDE BOTTOM OF STRUCTURE ELEV. = 430.41

APPROXIMATE HEAVIEST PICK = 7500 LBS.
STRUCTURE IS DELIVERED IN 3 PIECES

Diagram illustrating the installation of a bracket for a 12-inch diameter pipe. The diagram shows a cross-section of the pipe with a 4-inch diameter hole. The hole is positioned 3'-6 1/2" from the top edge. The hole is 1'-1 1/2" wide. The hole is 90 degrees from the top edge. The hole is 45 degrees from the right edge. The hole is labeled "OUTLET". The hole is labeled "INSTALL BRACKET TYPICAL OF 4".

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[illegible]

CS-5 - 913209-10
PLEASANT VALLEY RESERVE
OWENSBORO, KY
SITE DESIGNATION: WQU EE-2

CONTECH[®]
ENGINEERED SOLUTIONS LLC

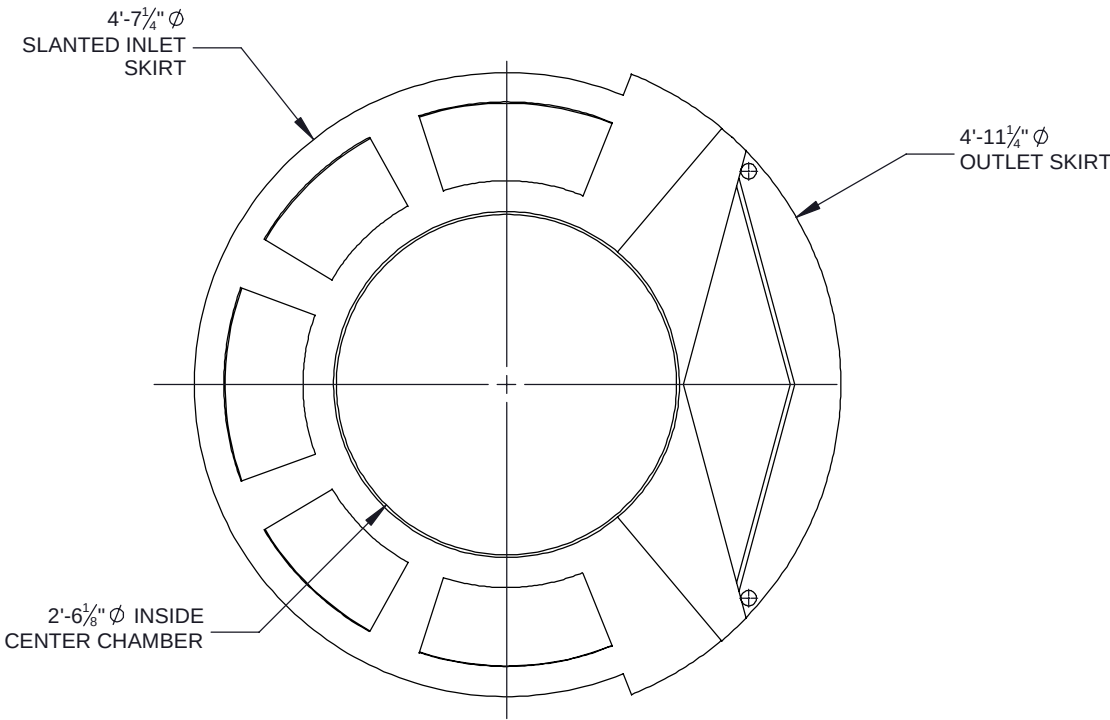
www.CONTECHES.com

9100 Centre Pointe Dr., Suite 400, West Chester, OH 45389
800-338-1122 513-645-7000 513-645-7903 FAX

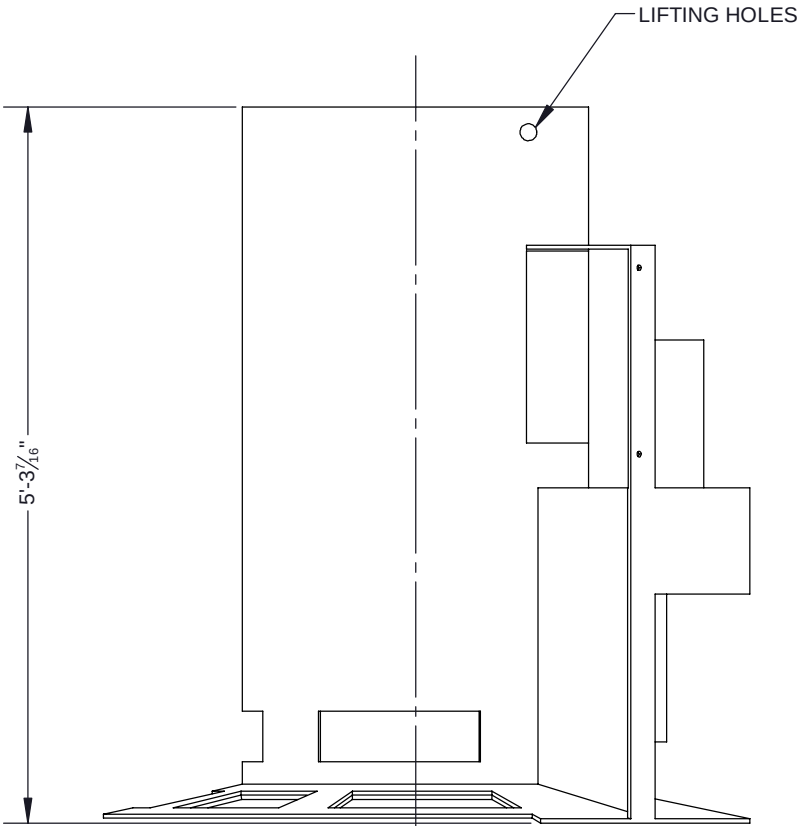
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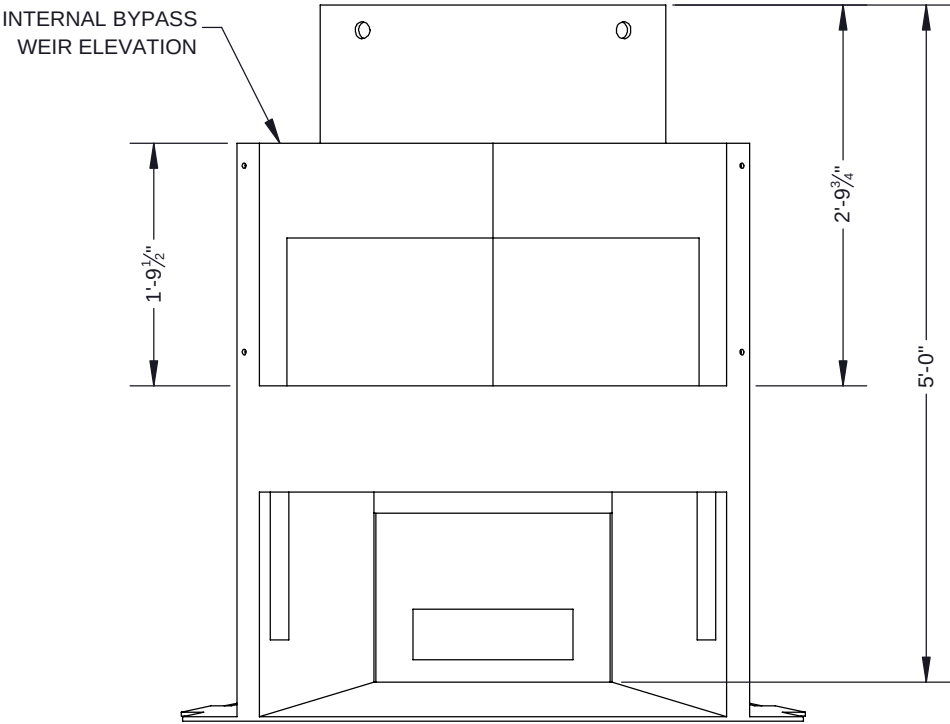
DATE: 9/23/2026	
DESIGNED: MDB	DRAWN: MDB
CHECKED: MSB	APPROVED: MDB
PROJECT No.: 913209	SEQUENCE No.: 10
SHEET: 1 OF 1	



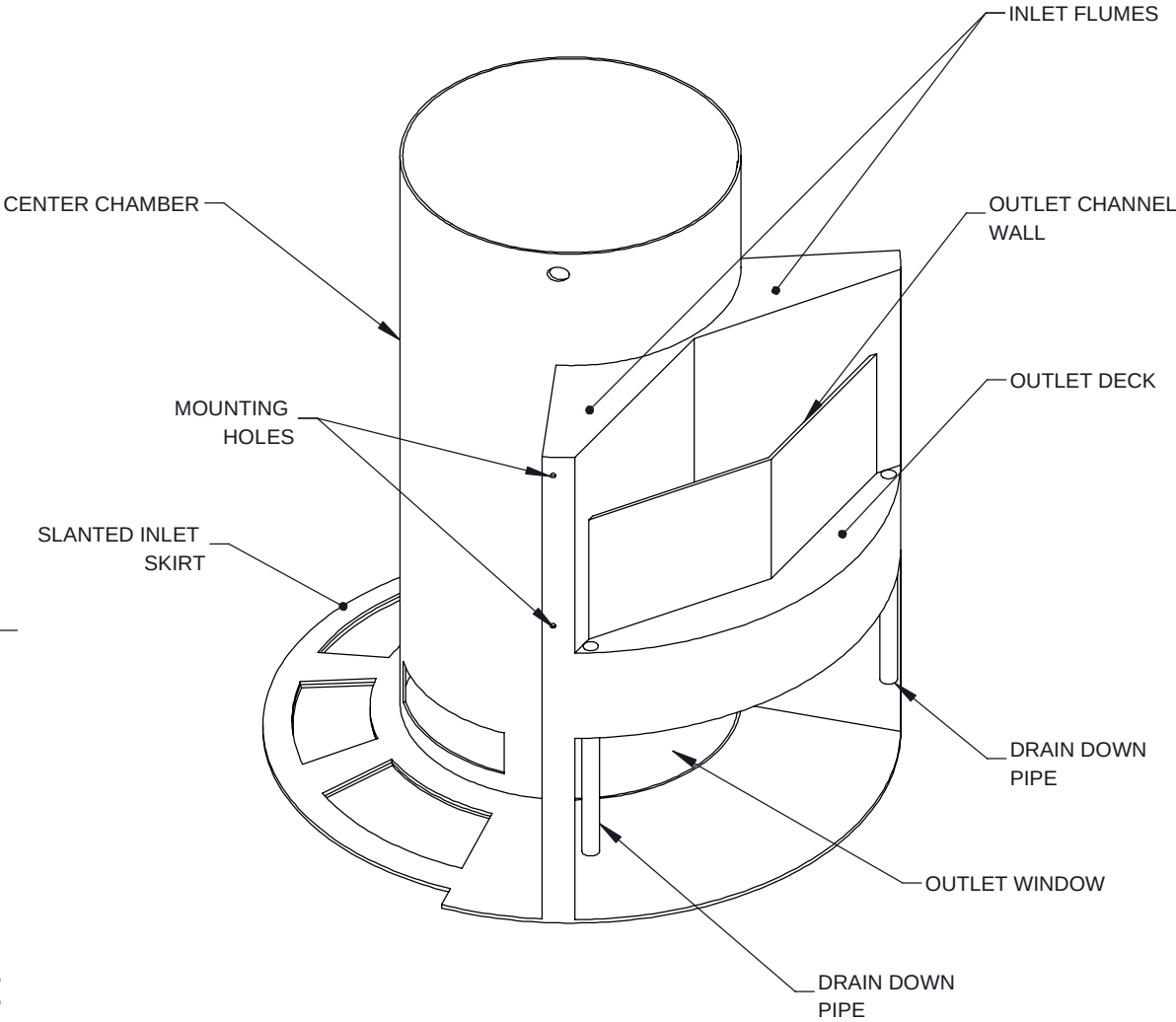
PLAN VIEW



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

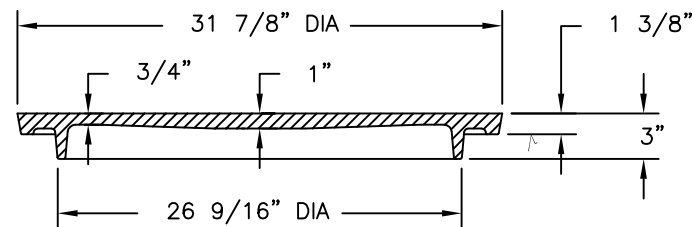
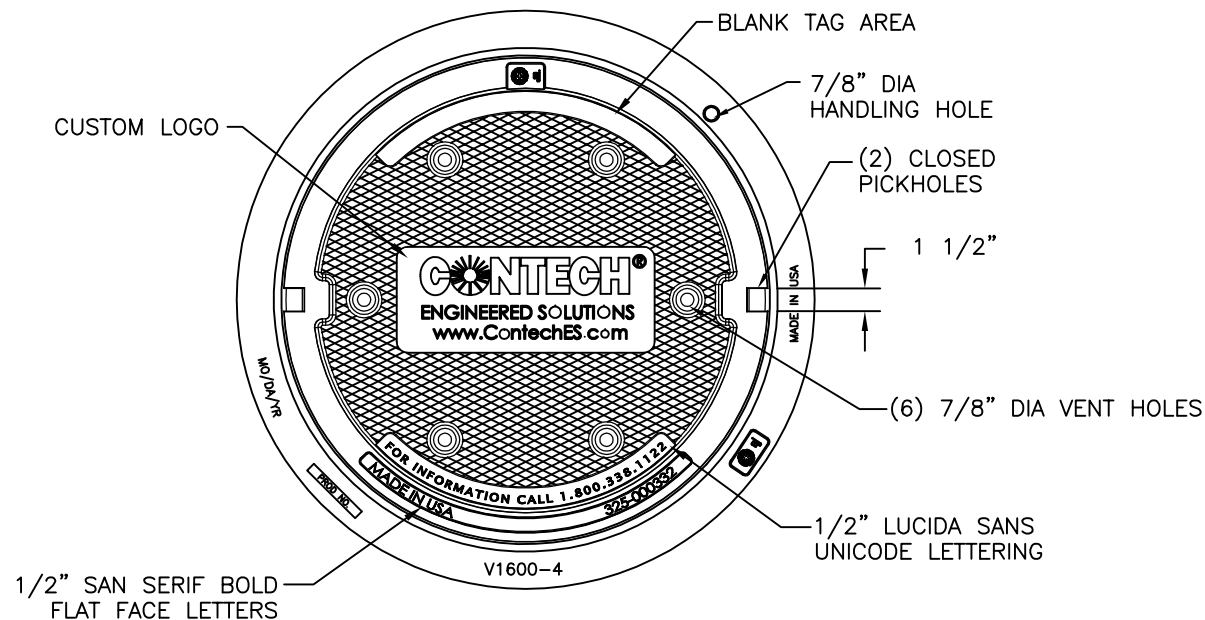
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

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

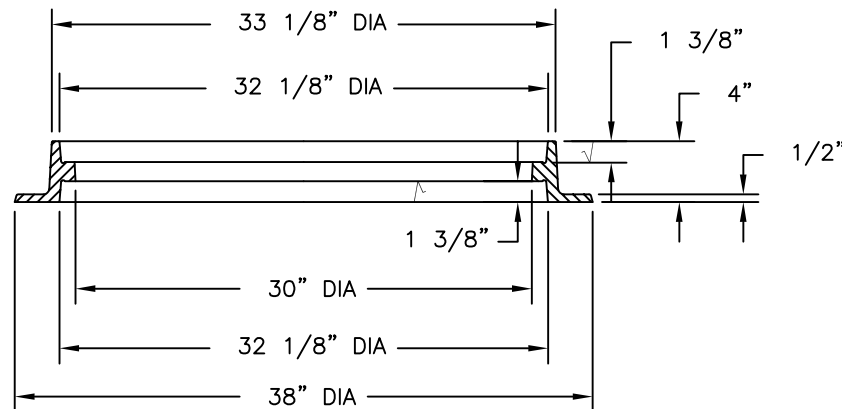
PART NUMBER: 325-003950		
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.15	REV: D
SCALE: N/A	SHEET 1 OF 1	

26-3923 913209 Pleasant Valley Reserve

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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