



# 10-CS-6



ICAST  
5888 / 757440  
LAYOUT 1A  
14.24TS

| COUNT | DESCRIPTION                                        | PART NUMBER | PROVIDED BY | INSTALLED BY |
|-------|----------------------------------------------------|-------------|-------------|--------------|
| 1     | CS-6 CYLINDER INSERT, STD.                         | 325-003951  | CONTECH     | PRECASTER    |
| 5     | CS-6 ALUMINUM INSTALLATION BRACKETS                | 325-003956  | CONTECH     | PRECASTER    |
| 1     | CS-6 HARDWARE KIT                                  | 325-003965  | 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. = 602.5+/-  
TOP OF STRUCTURE = 601.90  
INLET PIPE 1 INVERT ELEV. = 595.40  
INLET PIPE 1 DIAMETER AND MATERIAL = 18"Ø RCP  
OUTLET PIPE INVERT ELEV. = 595.40  
OUTLET PIPE DIAMETER AND MATERIAL = 18"Ø CMP  
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 588.98

APPROXIMATE HEAVIEST PICK = 12500 LBS.  
STRUCTURE IS DELIVERED IN 4 PIECES

TOP SLAB = 5000 LBS.  
RISER 2 = 4000 LBS. LBS.  
CONTROL RISER = 12500 LBS.  
BASE SECTION = 8500 LBS.

[illegible]

CS-6 - 892503-10  
REGENT COURT CONDOMINIUMS -  
UNIT 5  
DEARBORN, MI  
SITE DESIGNATION: MH-6

**CONTECH**  
ENGINEERED SOLUTIONS LLC  
A **CONTECH** COMPANY

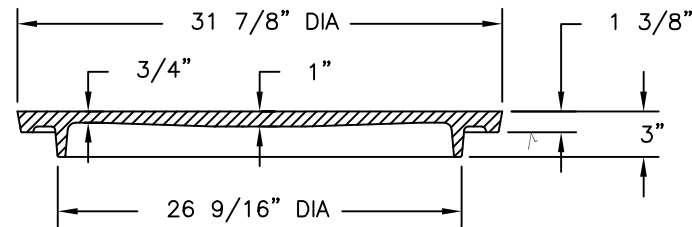
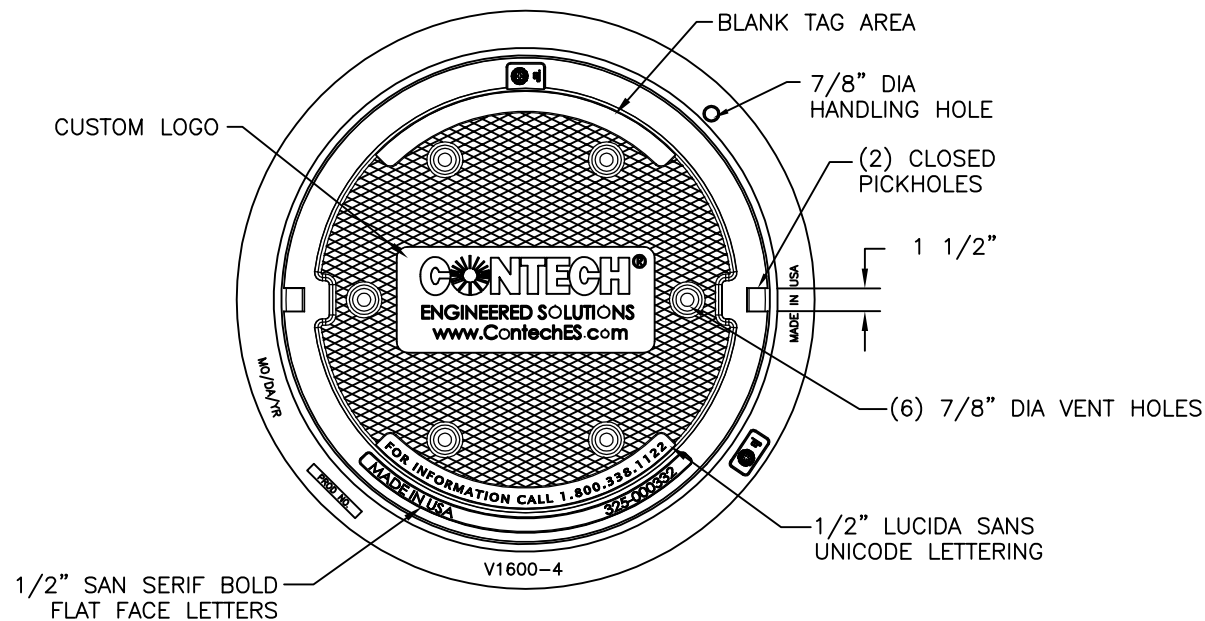
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800-338-1122 513-645-7000 513-645-7893 FAX

**CASCADE**  
**separator**<sup>®</sup>

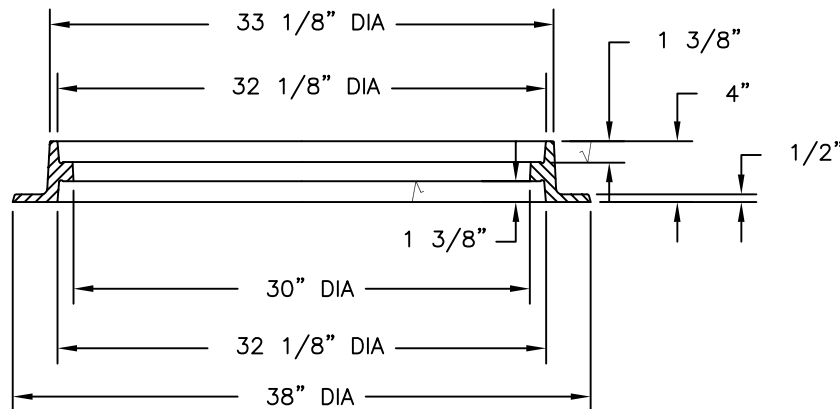
FOR PATENT INFORMATION, GO TO [www.Contechsep.com](http://www.Contechsep.com)

|              |  |               |  |
|--------------|--|---------------|--|
| DATE:        |  | 6/11/26       |  |
| DESIGNED:    |  | DRAWN:        |  |
| MSB          |  | JGB           |  |
| CHECKED:     |  | APPROVED:     |  |
| MSB          |  | MSB           |  |
| PROJECT No.: |  | SEQUENCE No.: |  |
| 892503       |  | 10            |  |
| SHEET:       |  |               |  |
| 1            |  | OF 1          |  |

# 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

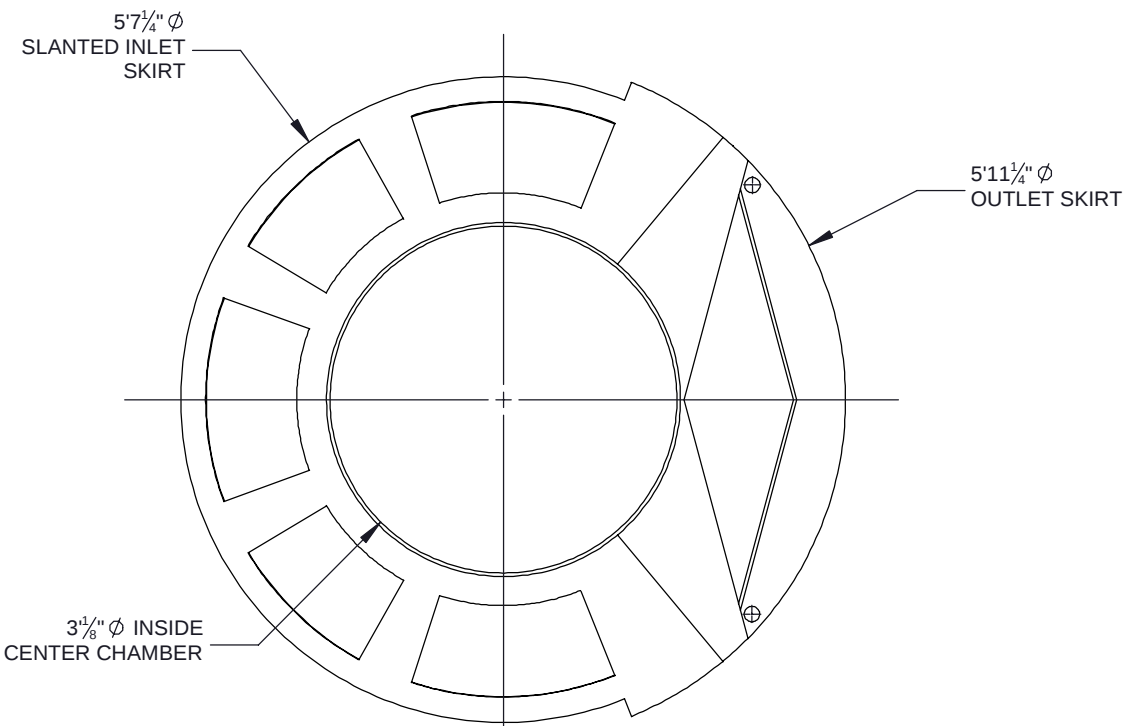
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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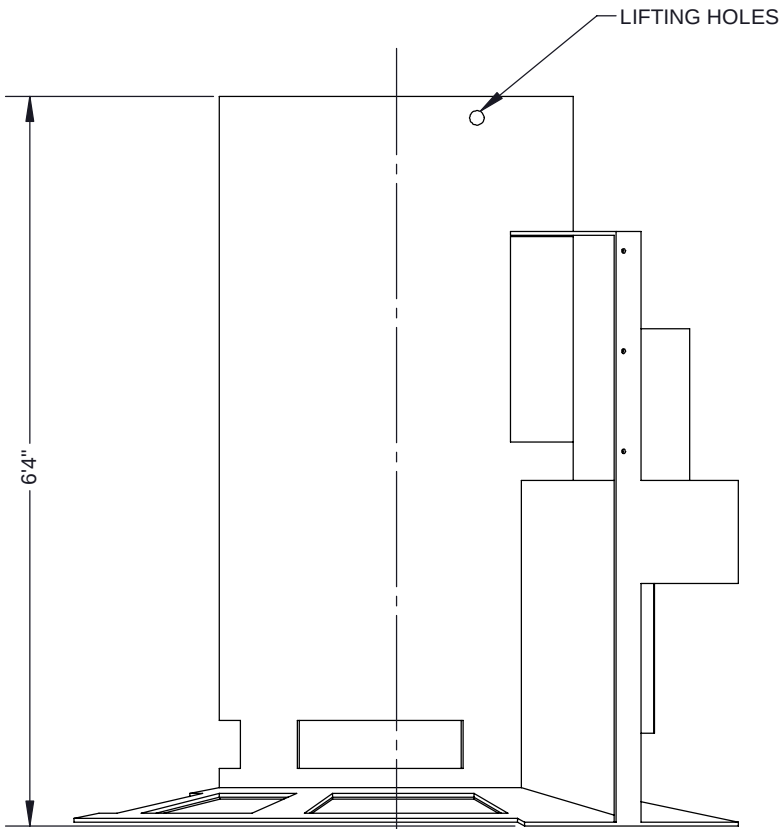
## Contact

800 626 4653

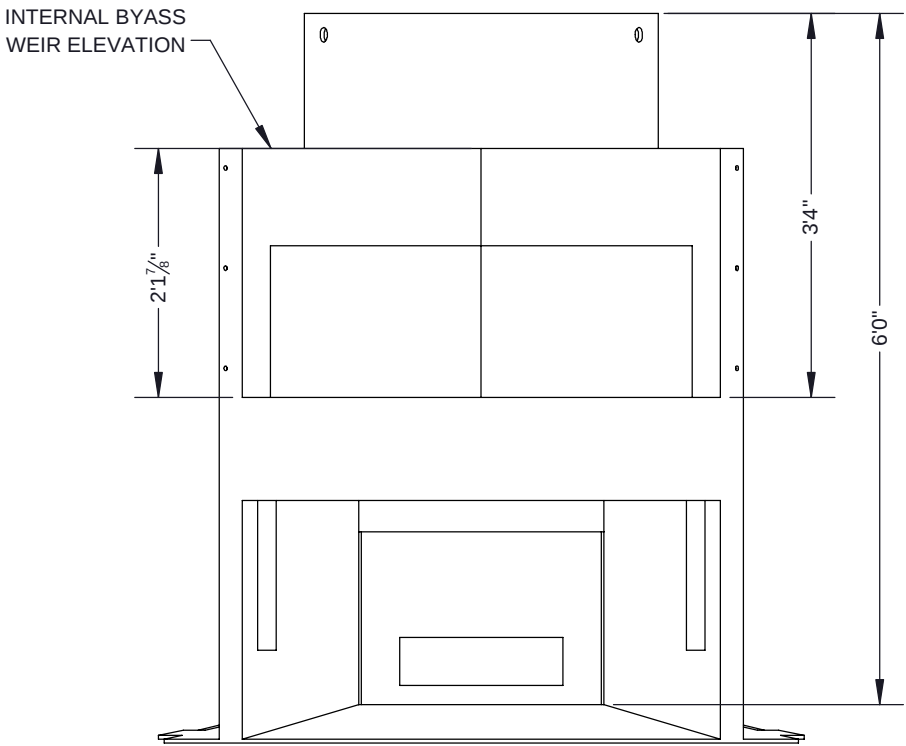
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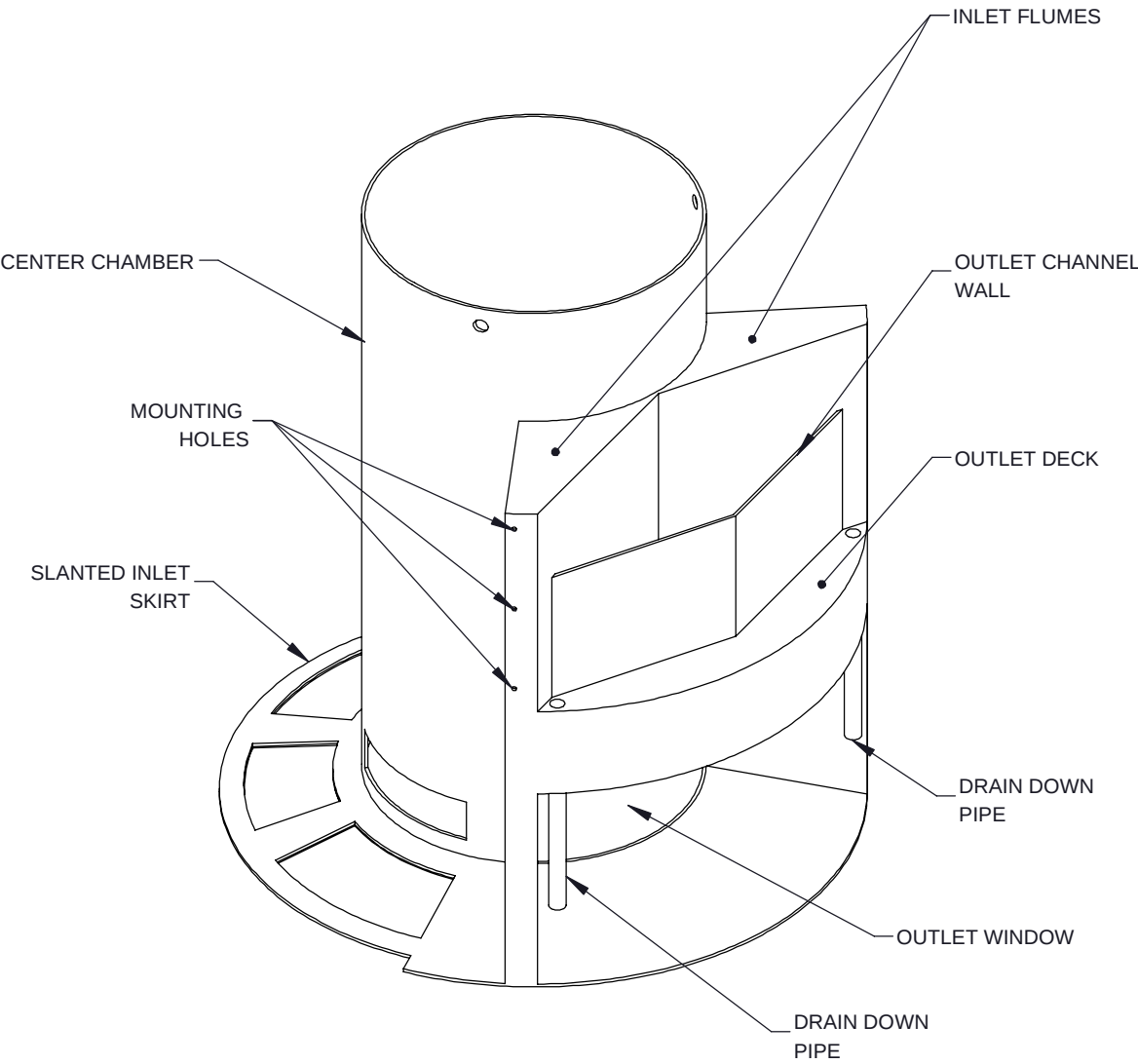
PLAN VIEW



ELEVATION VIEW



ELEVATION VIEW: OUTLET SIDE



ISOMETRIC VIEW

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

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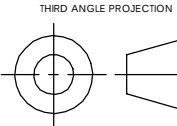
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REFERENCE DETAIL  
INTERNALS CS-6  
CASCADE SEPARATOR



UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

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

|                                 |                              |           |
|---------------------------------|------------------------------|-----------|
| PART NUMBER: 325-003951         |                              |           |
| APPROVED BY:<br>M. BROOKS       | DRAWN BY:<br>J. BELL         |           |
| APPROVED BY DATE:<br>2021.10.21 | DRAWN BY DATE:<br>2021.09.15 | REV:<br>B |
| SCALE:<br>N/A                   | SHEET 1 OF 1                 |           |