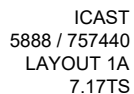




**PRECAST COMPONENTS**  
INTERNALS NOT SHOWN



## SUPPORT BRACKET LAYOUT PLAN VIEW

## GENERAL NOTES

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

## INSTALLATION NOTES

- 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

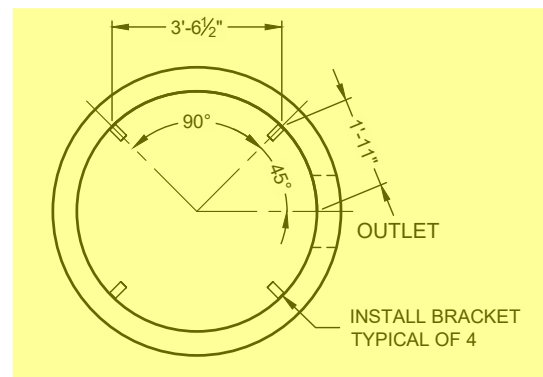
## SITE INFORMATION

RIM ELEV. = 335.66+/-  
TOP OF STRUCTURE = 335.32  
INLET PIPE 1 INVERT ELEV. = 331.60  
INLET PIPE 1 DIAMETER AND MATERIAL = 24"Ø RCP  
OUTLET PIPE INVERT ELEV. = 331.60  
OUTLET PIPE DIAMETER AND MATERIAL = 24"Ø RCP  
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 326.09

### STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 8000 LBS.  
STRUCTURE IS DELIVERED IN 3 PIECES

TOP SLAB = 3000 LBS.  
CONTROL RISER = 8000 LBS.  
BASE SECTION = 5500 LBS.



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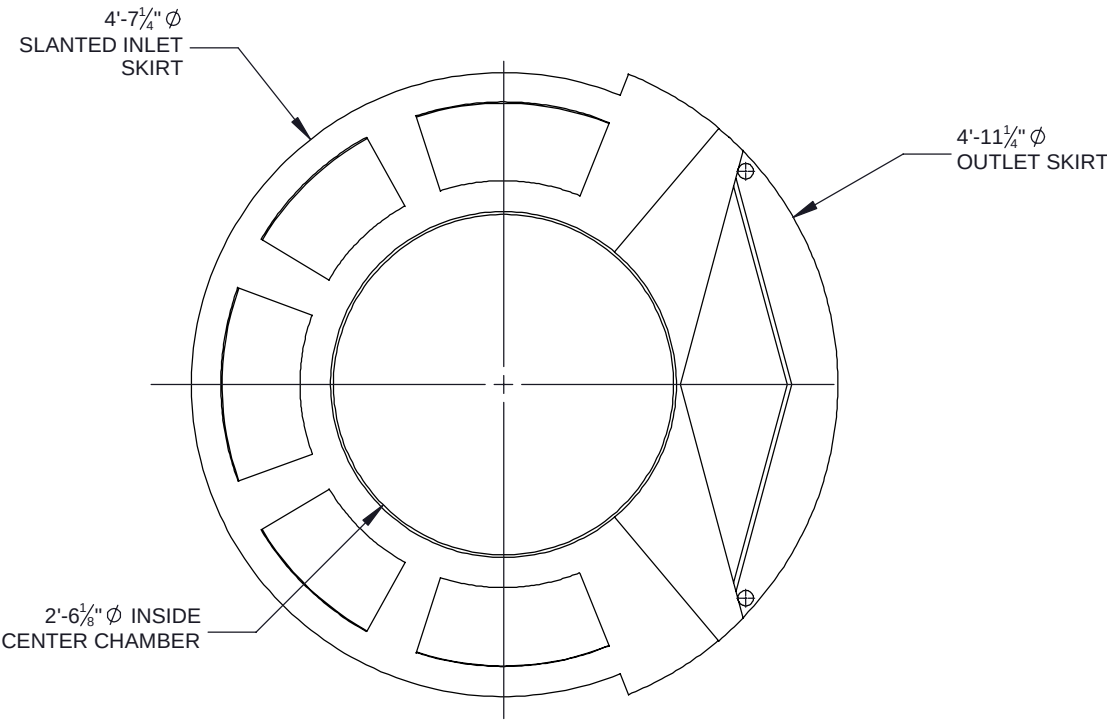
CS-5 - 839248-25  
ALOFT - PADUCAH  
PADUCAH, KY  
SITE DESIGNATION: CS-1

**CONTECH**  
ENGINEERED SOLUTIONS LLC  
A **CONTECH** COMPANY  
9100 Centre Pointe Dr., Suite 400, West Chester, OH 45680  
800-338-1122 513-645-7000 513-645-7893 FAX

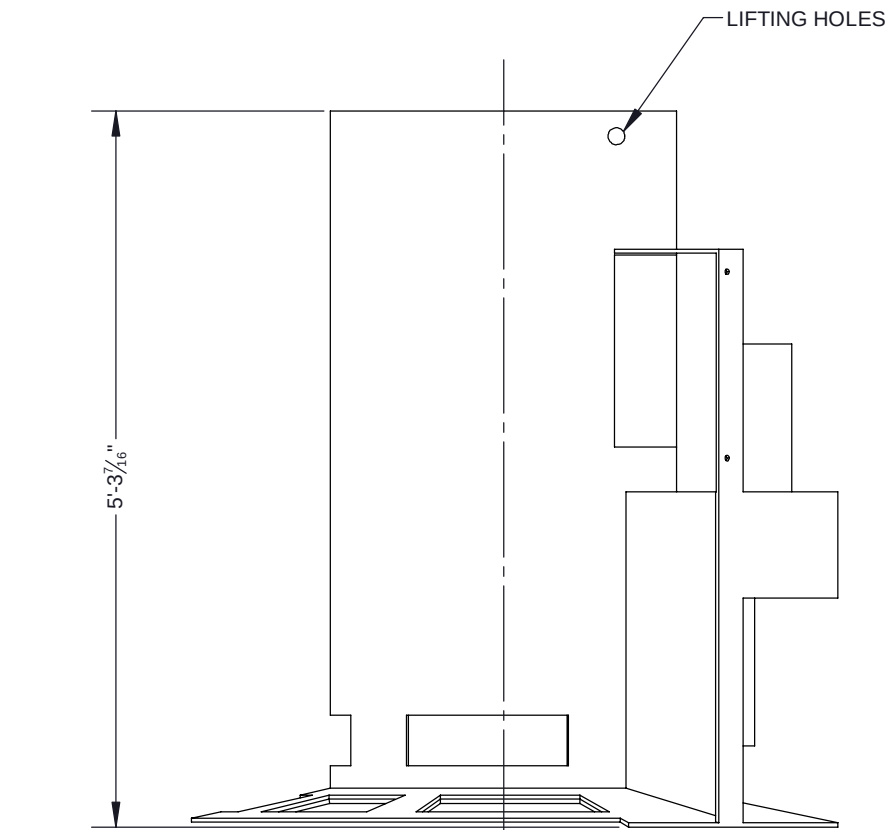
**CASCADE**  
**separator**  
CONTECH ENGINEERED SOLUTIONS LLC

|                        |                     |
|------------------------|---------------------|
| DATE:<br>6/16/2026     |                     |
| DESIGNED:<br>MDB       | DRAWN:<br>MDB       |
| CHECKED:<br>MSB        | APPROVED:<br>MDB    |
| PROJECT No.:<br>839248 | SEQUENCE No.:<br>25 |
| SHEET:<br>1 OF 1       |                     |

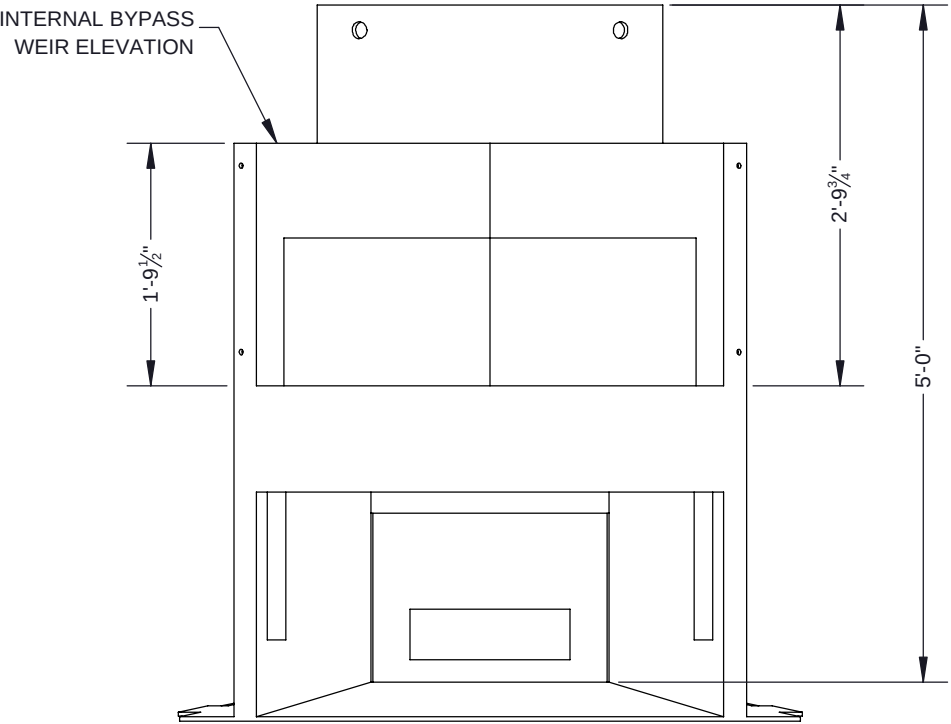




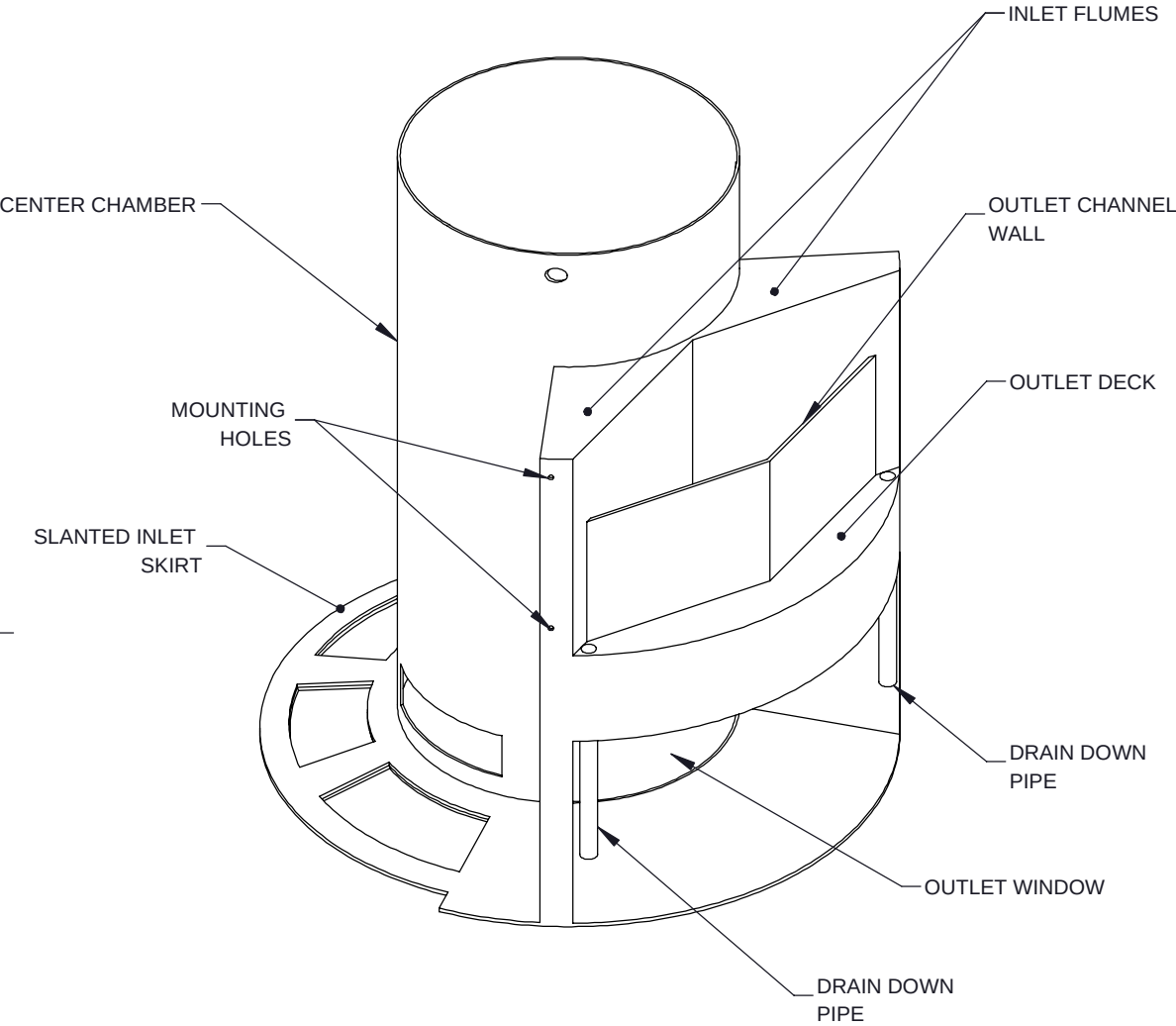
PLAN VIEW



ELEVATION VIEW



ELEVATION VIEW: OUTLET SIDE



ISOMETRIC VIEW

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

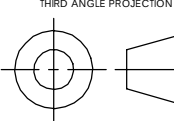
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REFERENCE DETAIL  
INTERNALS CS-5  
CASCADE SEPARATOR



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: 325-003950         |                              |           |
| 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>D |
| SCALE:<br>N/A                   | SHEET 1 OF 1                 |           |