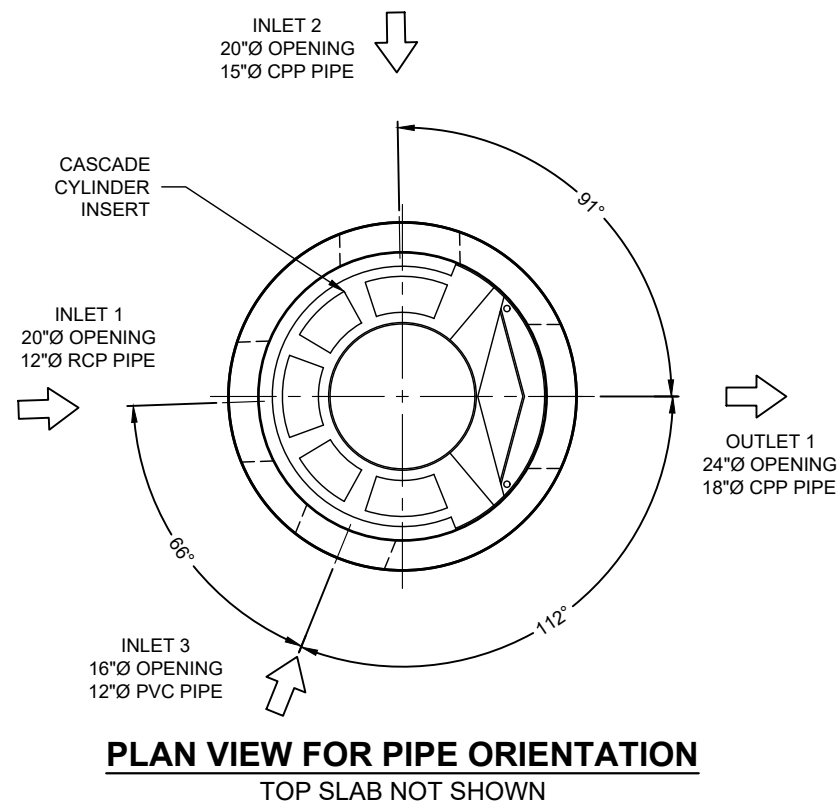




COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-4 CYLINDER INSERT, STD.	325-003949	CONTECH	PRECASTER
4	CS-4 ALUMINUM INSTALLATION BRACKETS	325-003956	CONTECH	PRECASTER
1	CS-4 HARDWARE KIT	325-003955	CONTECH	PRECASTER
1	24" SQ. GRATE INLET TRAY	325-001751	CONTECH	CONTRACTOR
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
1	24" X 24" FRAME AND GRATE, EJ #45624050A01, OR EQUIV.	325-000363	CONTECH	CONTRACTOR

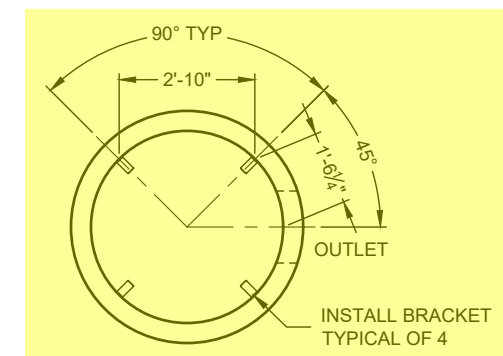
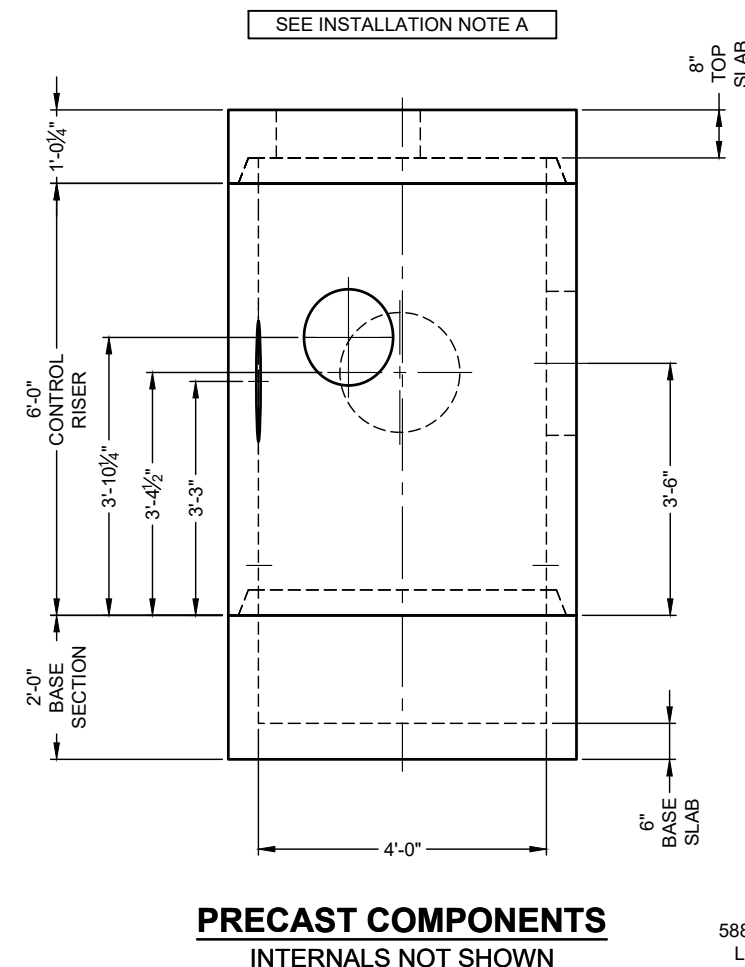
1. DESIGN LOADING - AASHTO HS-20
2. ALL PRECAST CONCRETE MANUFACTURED PARTS SHALL CONFORM TO ASTM C-478, WITH MINIMUM CONCRETE STRENGTH OF 4000 PSI AT 28 DAYS
3. JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
4. GROUND WATER ELEVATION ASSUMED AT OUTLET INVERT
5. MANUFACTURING TOLERANCE = +/-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

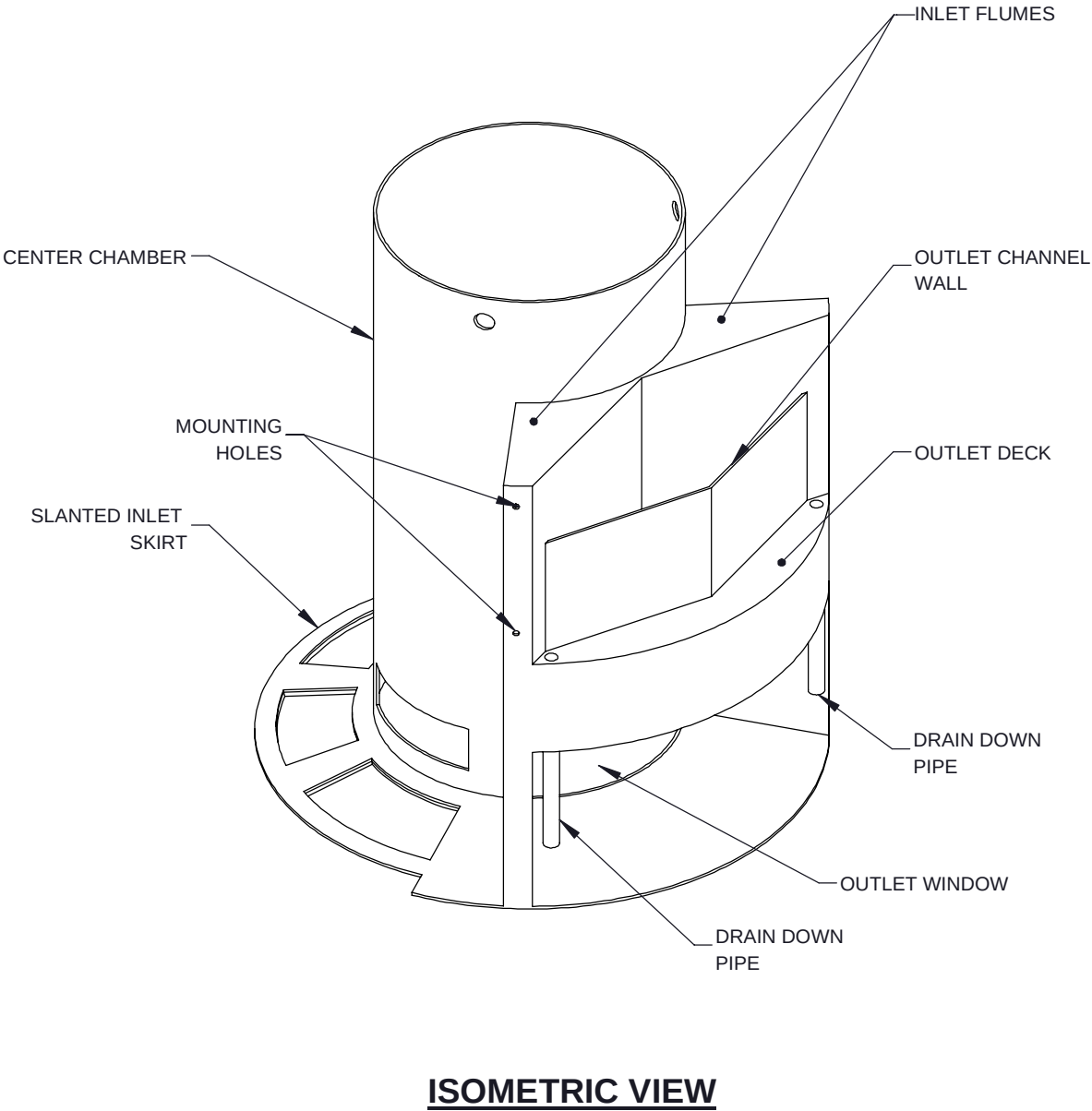
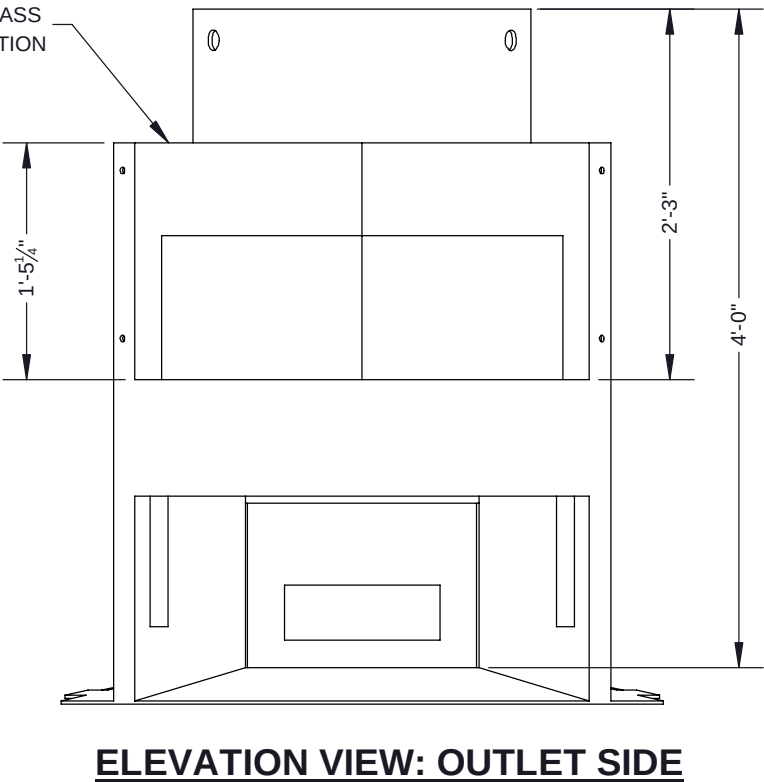
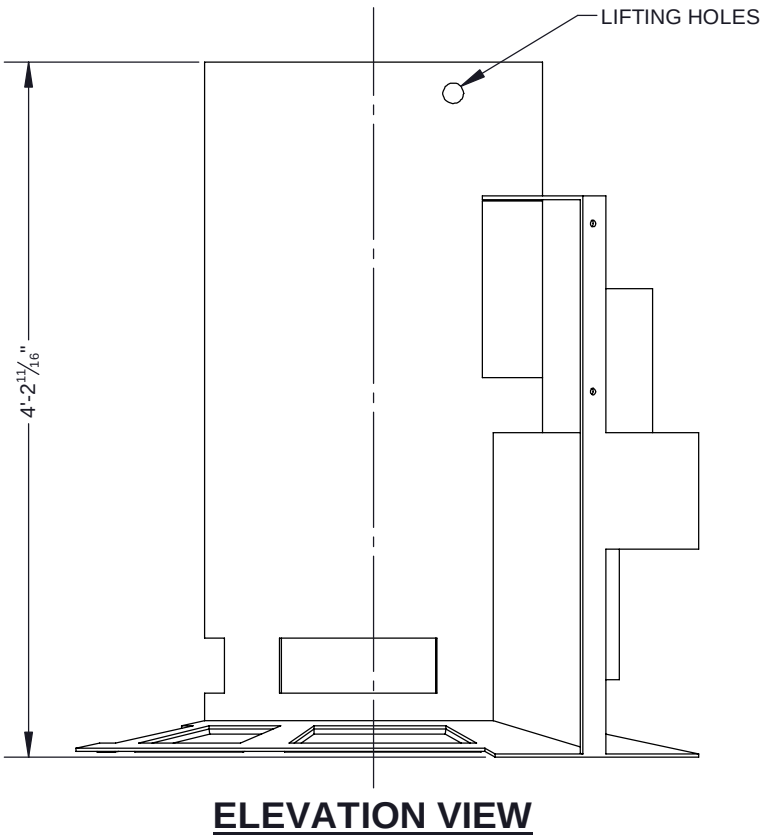
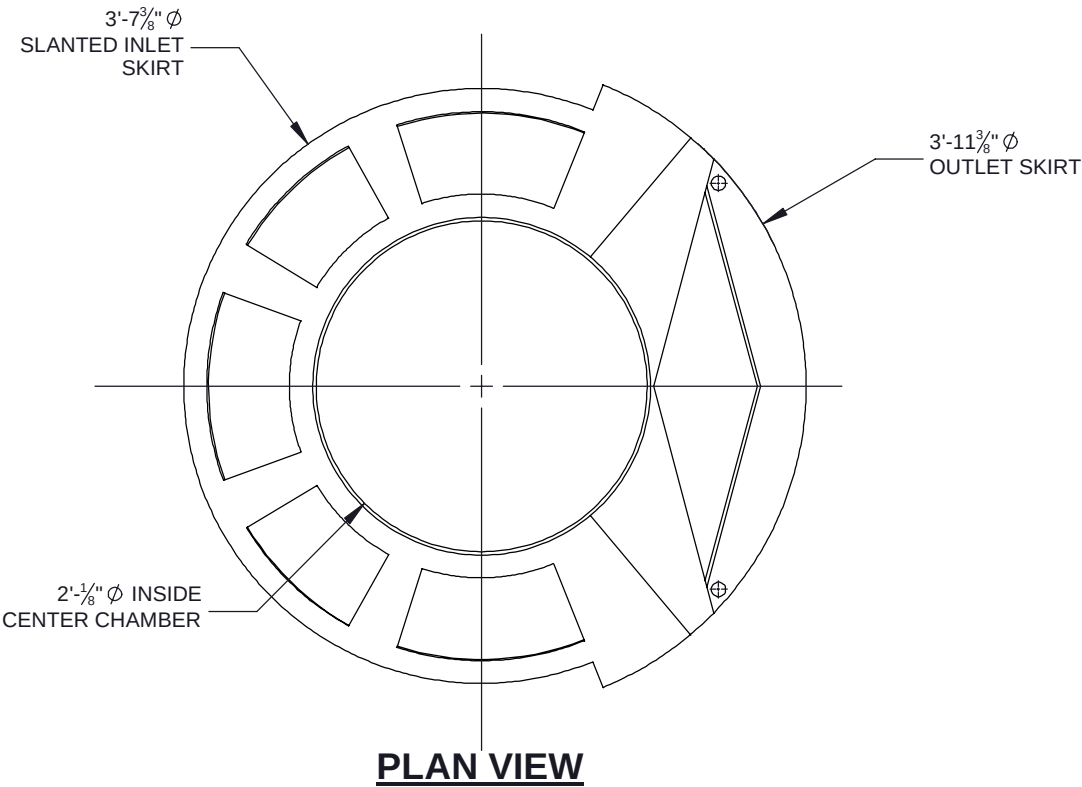
RIM ELEV. = 383.42+/-
TOP OF STRUCTURE = 382.78
INLET PIPE 1 INVERT ELEV. = 378.51
INLET PIPE 1 DIAMETER AND MATERIAL = 12"Ø RCP
INLET PIPE 2 INVERT ELEV. = 378.51
INLET PIPE 2 DIAMETER AND MATERIAL = 15"Ø CPP
INLET PIPE 3 INVERT ELEV. = 379.12
INLET PIPE 3 DIAMETER AND MATERIAL = 12"Ø PVC
OUTLET PIPE INVERT ELEV. = 378.51
OUTLET PIPE DIAMETER AND MATERIAL = 18"Ø CPP
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 373.76

APPROXIMATE HEAVIEST PICK = 5500 LBS.
STRUCTURE IS DELIVERED IN 3 PIECES

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



 CONTECH® ENGINEERED SOLUTIONS LLC <i>A QUANTA COMPANY</i> 9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069 800-338-1122 513-945-7000 513-945-7993 FAX		CASCADE separator® FOR PATENT INFORMATION, GO TO www.conteches.com/jp/	
DATE: 7/30/26			
DESIGNED: MDB	DRAWN: CJG		
CHECKED: MSB	APPROVED: MDB		
PROJECT No.: 877529	SEQUENCE No.: 10		
SHEET: 1 OF 1			



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

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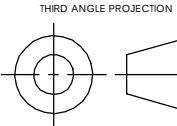
CASCADE
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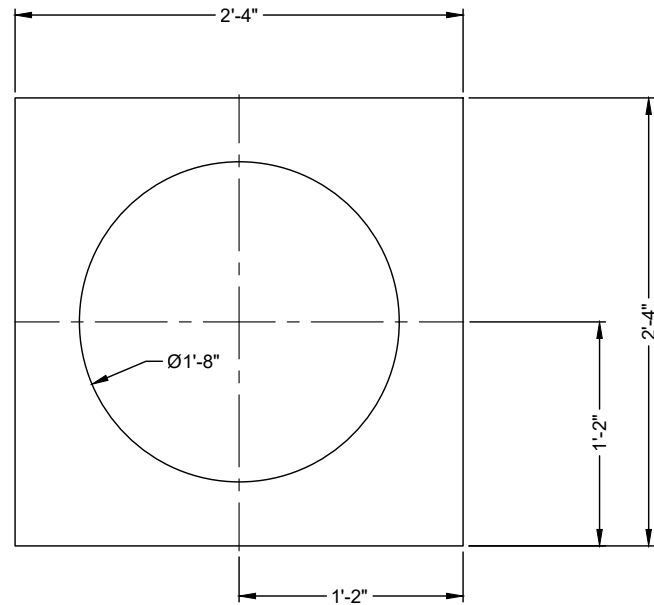
REFERENCE DETAIL
INTERNALS CS-4
CASCADE SEPARATOR



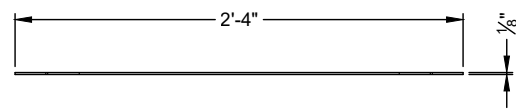
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

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	

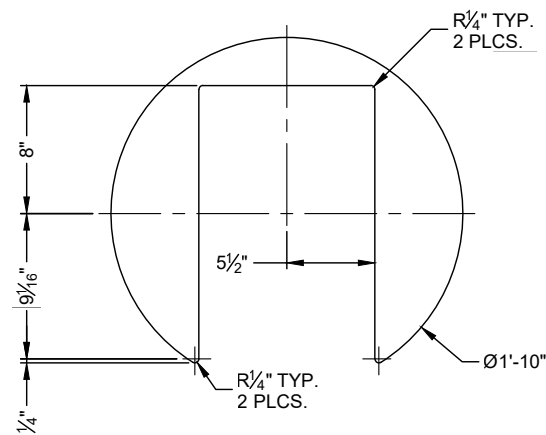


PLAN VIEW



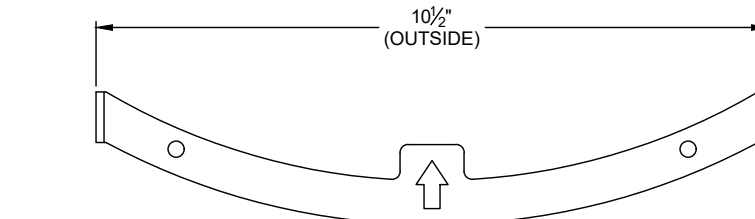
ELEVATION VIEW

MOUNTING PLATE DETAILS

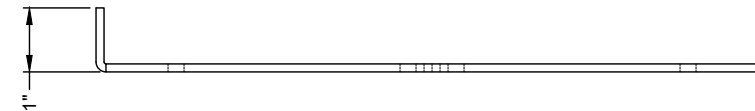


PLAN VIEW

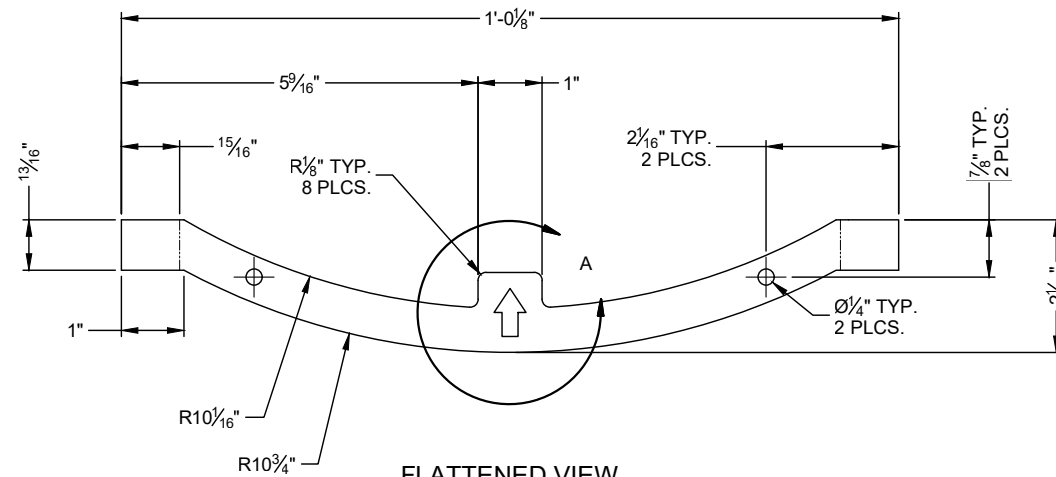
TRAY SUPPORT DETAILS



PLAN VIEW



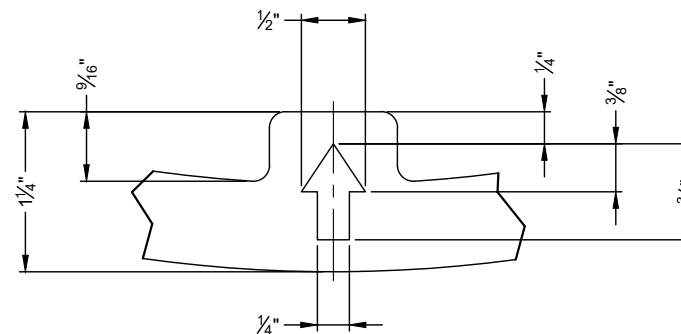
ELEVATION VIEW



FLATTENED VIEW

INDEXER DETAILS

SCALE: 3" = 1'-0"



DETAIL A

NOT TO SCALE

DIMENSIONS ARE IN INCHES DEBUR EDGES BREAK CORNERS
MAKE ALL TROUGHS AND INLET/OUTLET PLATES IN SETS TO ENSURE FIT
MATERIAL: 3/16" THICK 5052-H32 ALUMINUM ALLOY
ALL BEND RADII EQUAL TO MATERIAL THICKNESS

TOLERANCES:
FRACTIONAL: +/- 1/16 INCH TWO PLACE DECIMAL: 0.12
ANGULAR: MACH +/- 1 INCH, BEND +/- 1 DEG. THREE PLACE DECIMAL: 0.060

CONTECH
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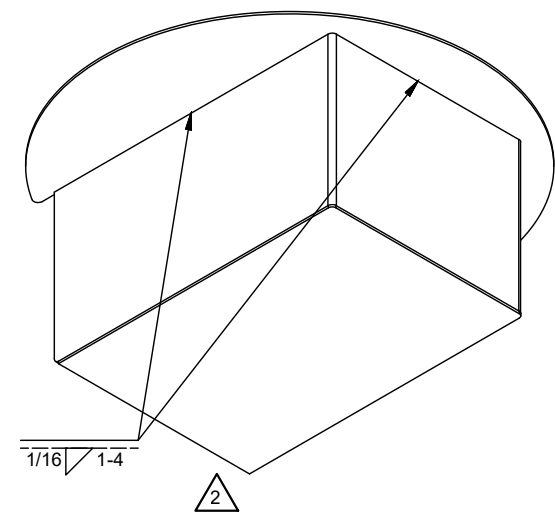
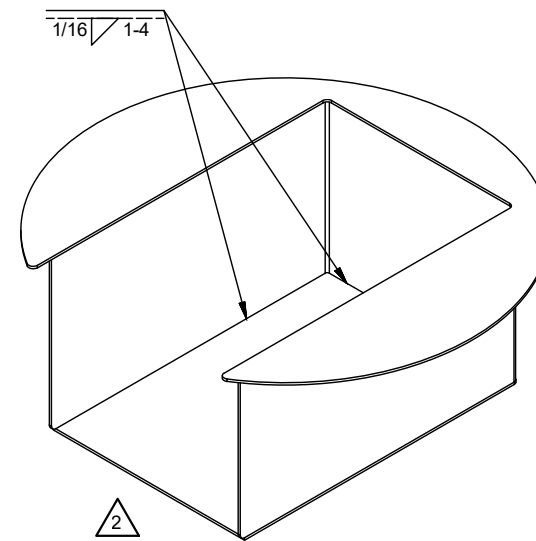
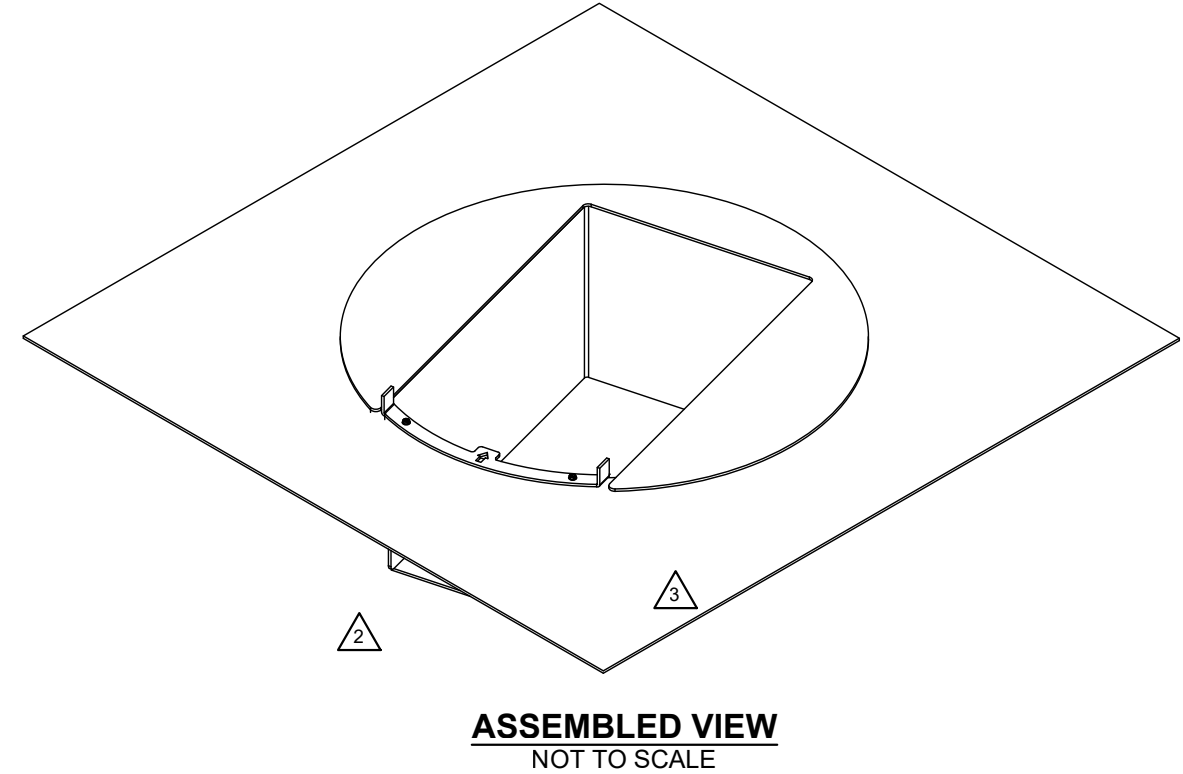
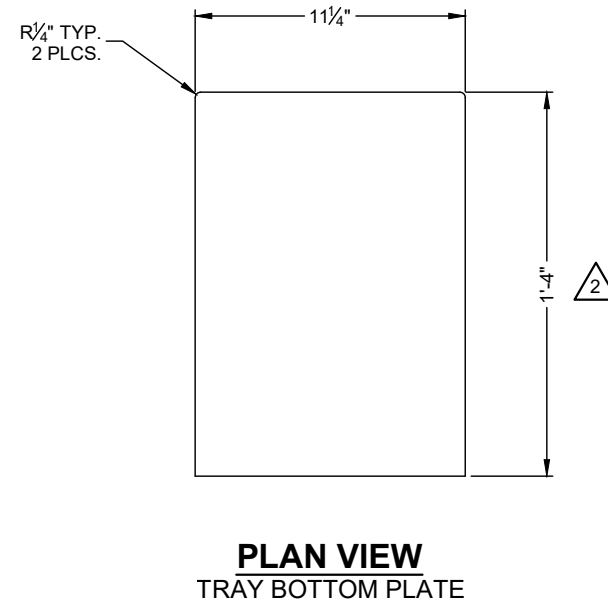
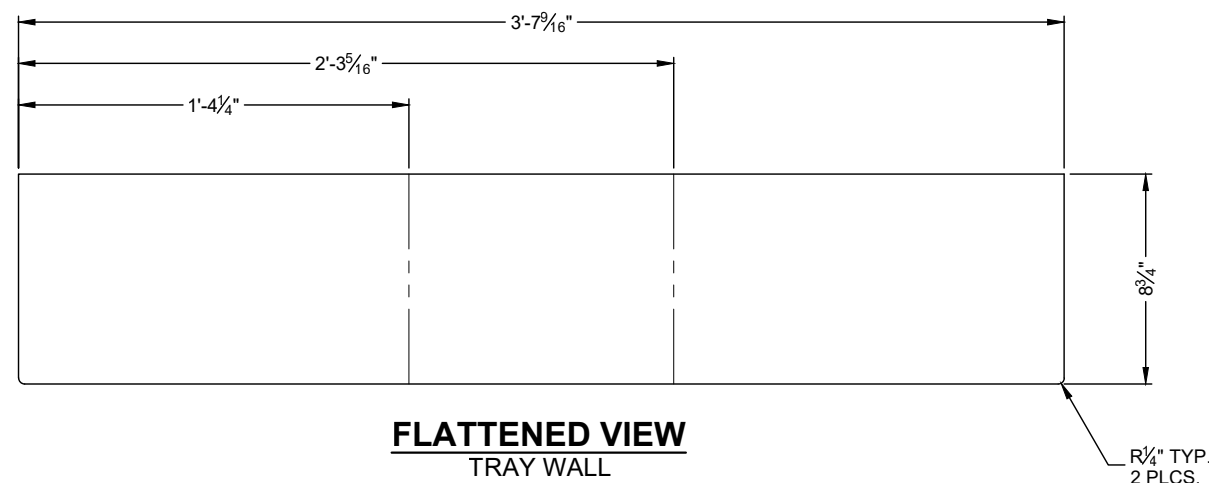
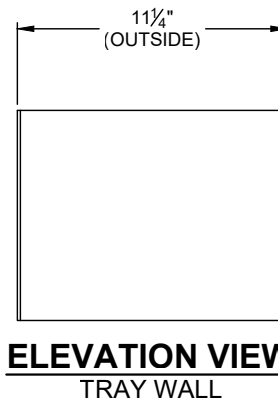
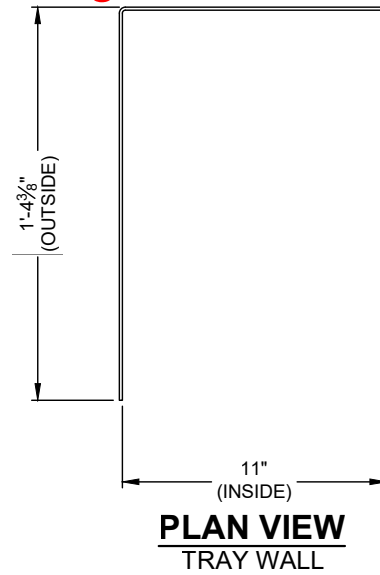
3	3/13/24	CHANGE MOUNTING PAN TO PLATE		NDG
2	7/23/20	EXTENDED BOTTOM PLATE		NDG
1	3/24/17	NEW FORMAT		NDG
MARK	DATE	REVISION DESCRIPTION		BY

GRATE INLET TRAY DETAILS
USE WITH 24" SQUARE TOP SLAB OPENING
MOUNTING PLATE, SUPPORT AND
INDEXER DETAILS

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DATE:		10/6/16	
DESIGNED: GWB		DRAWN: NDG	
CHECKED: GWB		APPROVED: GWB	
PROJECT No.: N/A		SEQUENCE No.: N/A	
SHEET: 1 OF 2			

26-3356 877529 4th St
& Chestnut St Parking



DIMENSIONS ARE IN INCHES DEBUR EDGES BREAK CORNERS
MAKE ALL TROUGHS AND INLET/OUTLET PLATES IN SETS TO ENSURE FIT
MATERIAL: 3/16" THICK 5052-H32 ALUMINUM ALLOY
ALL BEND RADII EQUAL TO MATERIAL THICKNESS

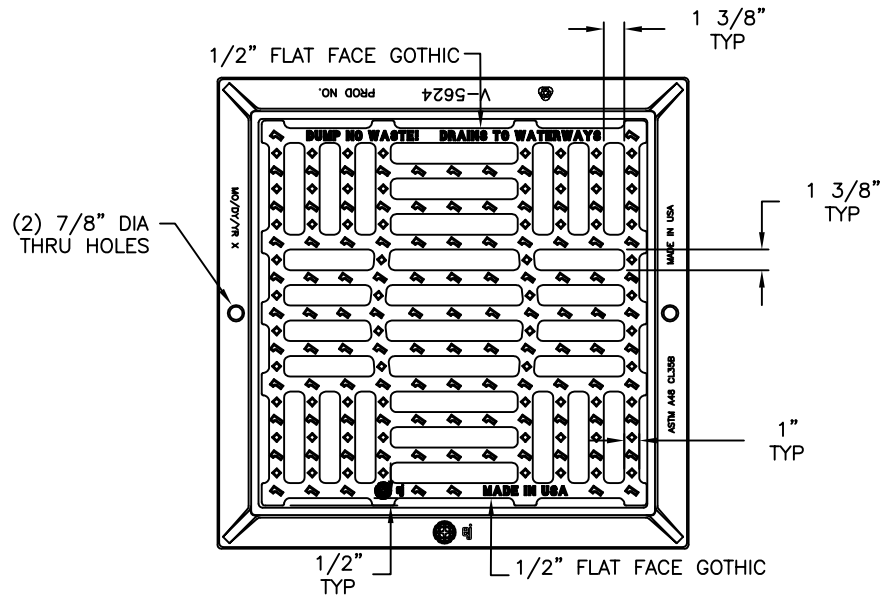
TOLERANCES:
FRACTIONAL: +/- 1/16 INCH TWO PLACE DECIMAL: 0.12
ANGULAR: MACH +/- 1 INCH, BEND +/- 1 DEG. THREE PLACE DECIMAL: 0.080

CONTECH FABRICATION DRAWING

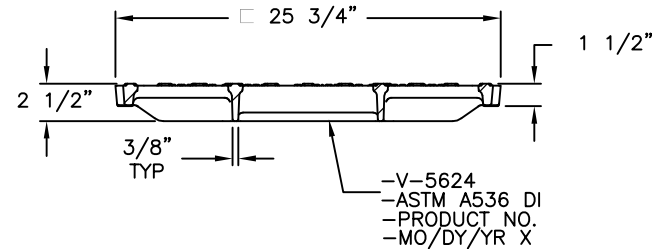
 ENGINEERED SOLUTIONS LLC www.ContechES.com 9025 Centre Pointe Dr., Suite 400, West Chester, OH 45389 800-338-1122 513-645-7000 513-645-7993 FAX				GRATE INLET TRAY DETAILS USE WITH 24" SQUARE TOP SLAB OPENING MOUNTING PLATE, SUPPORT AND INDEXER DETAILS																	
DATE:				10/6/16																	
DESIGNED:				GWB				DRAWN:				NDG									
CHECKED:				GWB				APPROVED:				GWB									
PROJECT No.:				N/A				SEQUENCE No.:				N/A									
SHEET:				2				OF				2									

26-3356 877529 4th St & Chestnut St Parking

V5624 Assembly



PLAN VIEW



SECTION VIEW

Product Number

45624050A01

Design Features

-Materials

Frame

Gray Iron (CL35B)

Grate

Ductile Iron (70-50-05)

88 lbs

-Design Load

Heavy Duty

-Open Area

318 SQ.IN.

-Coating

Undipped

-√ Designates Machined Surface

Certification

-ASTM A536

-ASTM A48

-Country of Origin: USA

Major Components

45624010

45624050

Drawing Revision

09/01/2017 Designer: MAH

9/5/2017 Revised By: MAH

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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