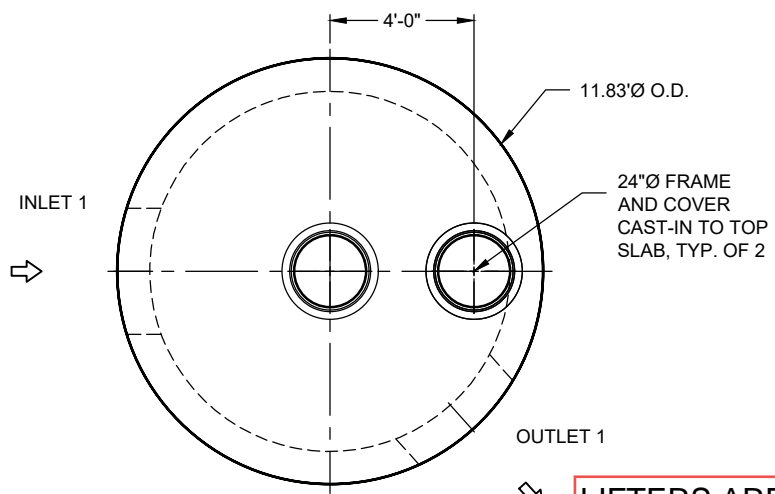


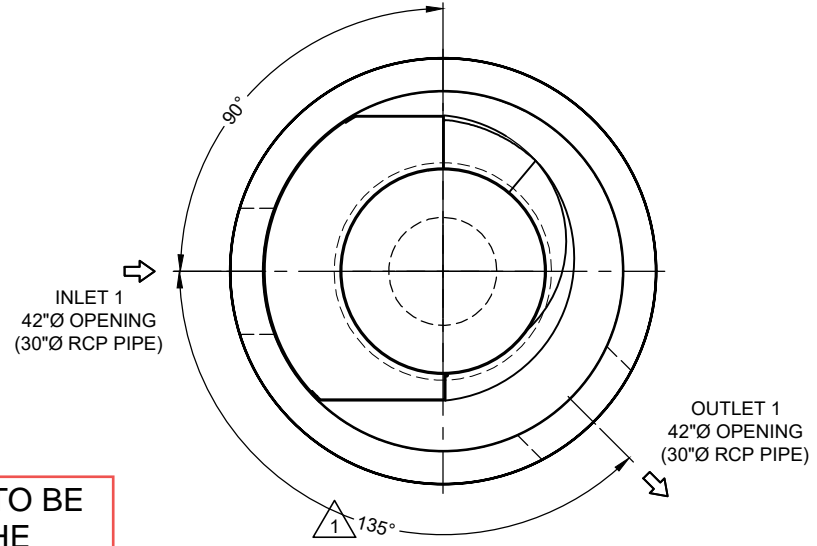
I:\QUIKRETE.NET\CONTECH\MERLIN\PROJECTS\2008\823277-10-CDS\DRAWINGS\823277-10-CDS5653-10-C-CONFAB.DWG 11/7/2025 3:25 PM

25-4593 - 823277 Central Ramp Expansion BNA

010-CDS5653-10-C ADDITIONAL INFORMATION



PLAN VIEW
INTERNALS NOT SHOWN



PLAN VIEW FOR PIPE ORIENTATION
TOP SLAB NOT SHOWN

LIFTERS ARE TO BE PLACED ON THE INSIDE OF THE PRECAST SECTIONS

INTERNAL COMPONENTS TO BE INSTALLED ON SITE BY CONTECH FIELD CONSULTANT. PRECASTER TO SHIP ALL INTERNAL COMPONENTS WITH STRUCTURE

SEE INSTALLATION NOTE A

MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	5653-10 CONCENTRIC FIBERGLASS INSERT	325-000798	CONTECH	CONTRACTOR
1	5653, 2400 micron, 5.71' O.D. x 5.42' SCREEN, GREEN FLANGE UP	335-000394	CONTECH	CONTRACTOR
1	56 SERIES HARDWARE KIT	325-003922	CONTECH	CONTRACTOR
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
2	24"Ø FRAME AND COVER, EJ# 00190522B01, CAST-IN	SNOWFLAKE	CONTECH	PRECASTER

GENERAL NOTES

- DESIGN LOADING - AASHTO AIRPORT LOAD RATING (80 KIP WHEEL LOADS WITH TIRE FOOTPRINT OF 17.19"x12.68")
- ALL PRECAST CONCRETE MANUFACTURED PARTS SHALL CONFORM TO ASTM C-478, WITH MINIMUM CONCRETE STRENGTH OF 7000 PSI AT 28 DAYS
- JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
- GROUND WATER ASSUMED AT OUTLET INVERT
- MANUFACTURING TOLERANCE = +/- 1/2-INCH
- SOME HIDDEN LINES MAY BE OMITTED FOR CLARITY

INSTALLATION NOTES

- PRECASTER TO CAST ACCESS FRAME INTO TOP SLAB AND SHIP COVER WITH STRUCTURE
- REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION
- FOR PROPER SCREEN ORIENTATION, FLANGE IS COLOR CODED, INSTALL GREEN FLANGE UP
- IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SEPARATION SLAB AT BOTTOM OF SCREEN CYLINDER
- PRECASTER TO INSTALL INTERNAL COMPONENTS PRIOR TO SHIPPING UNLESS INSTRUCTED OTHERWISE BY CONTECH
- PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE
- APPLYING ALIGNMENT MARKS ON ALL PIECES OF MULTIPLE ASSEMBLIES IS HIGHLY ENCOURAGED
- IF STRUCTURE IS DELIVERED IN MULTIPLE SECTIONS, EACH PIECE SHALL BE LABELED WITH THE CONTECH PROJECT NUMBER, SEQUENCE NUMBER AND SITE DESIGNATION

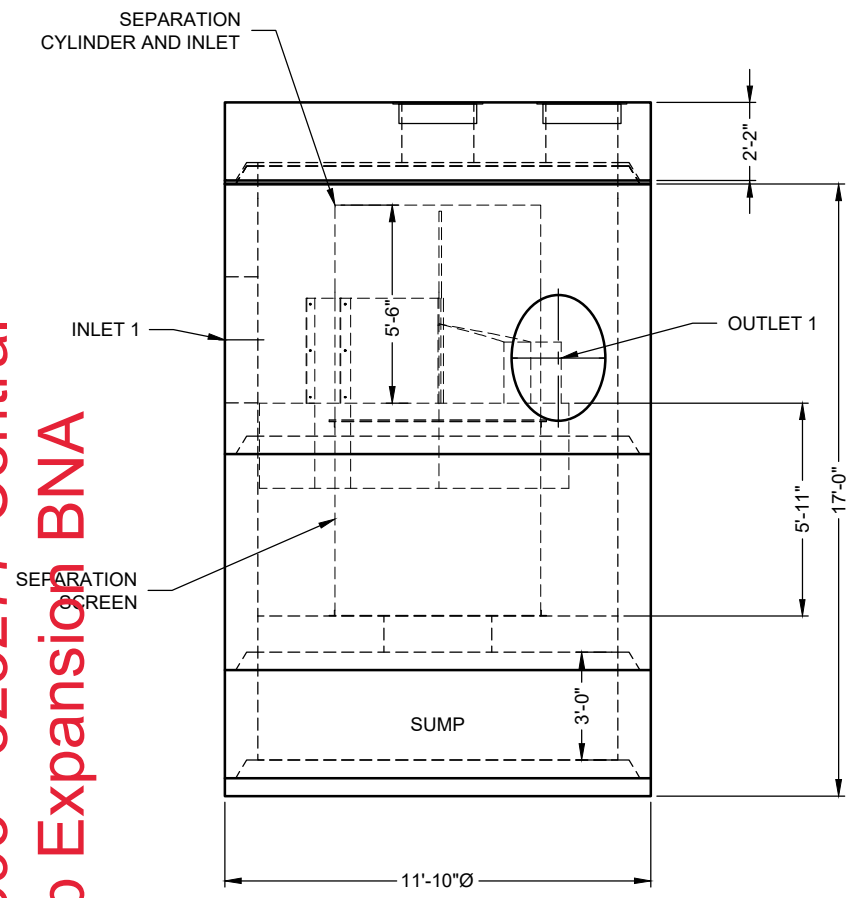
SITE INFORMATION

RIM ELEV. = 557.27+/-
 TOP OF STRUCTURE ELEV. = 557.27
 INLET PIPE 1 INVERT ELEV. = 549.43
 INLET PIPE 1 DIAMETER AND MATERIAL = 30" RCP
 OUTLET PIPE 1 INVERT ELEV. = 548.92
 OUTLET PIPE 1 DIAMETER AND MATERIAL = 30" RCP
 OUTSIDE BOTTOM OF STRUCTURE ELEV. = 538.00

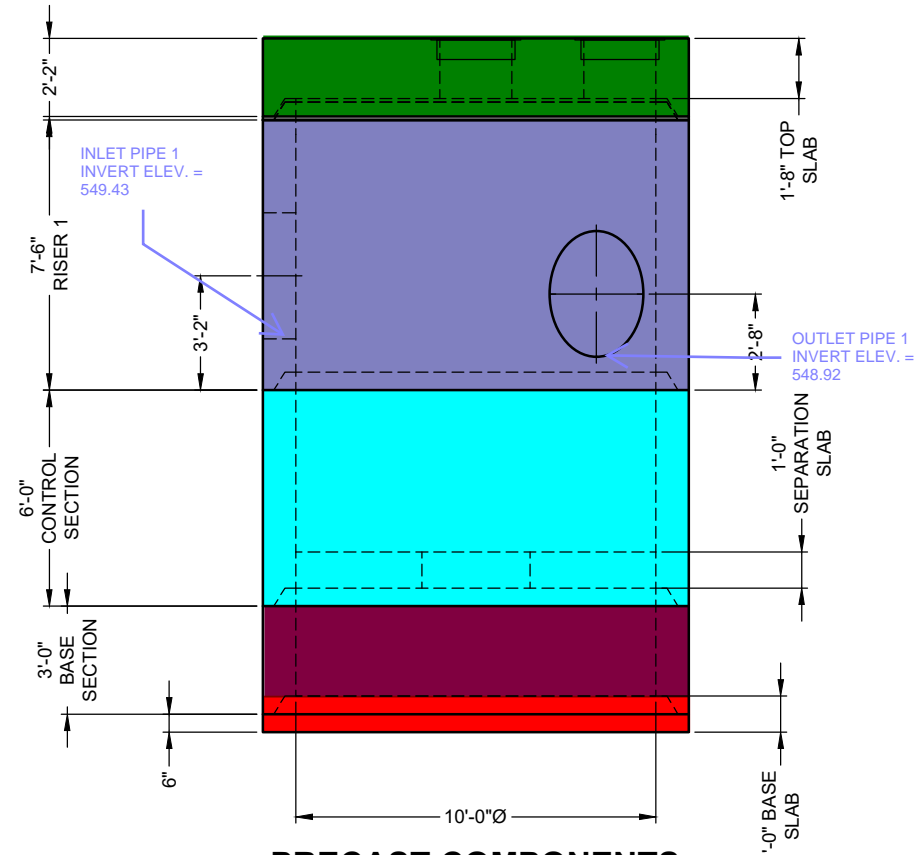
STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 39500 LBS.
 STRUCTURE IS DELIVERED IN 5 PIECES

- TOP SLAB = 27500 LBS.
- RISER 1 = 34500 LBS.
- CONTROL SECTION = 39500 LBS.
- BASE RISER = 16000 LBS.
- BASE SLAB = 16000 LBS.

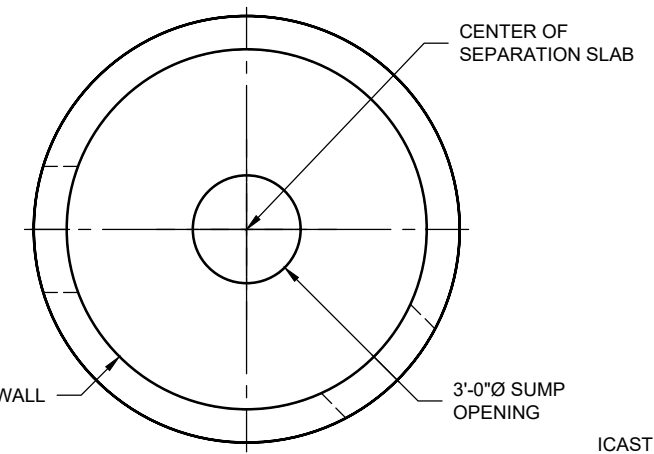


ELEVATION VIEW



PRECAST COMPONENTS
INTERNALS NOT SHOWN

CONTECH
FABRICATION
DRAWING



SEPARATION SLAB

ICAST
5888 / 757440
LAYOUT 1G
63.95 TS

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MARK	DATE	REVISION DESCRIPTION	BY
1	11/07/25	PIPE ANGLE, CASTING	DWB

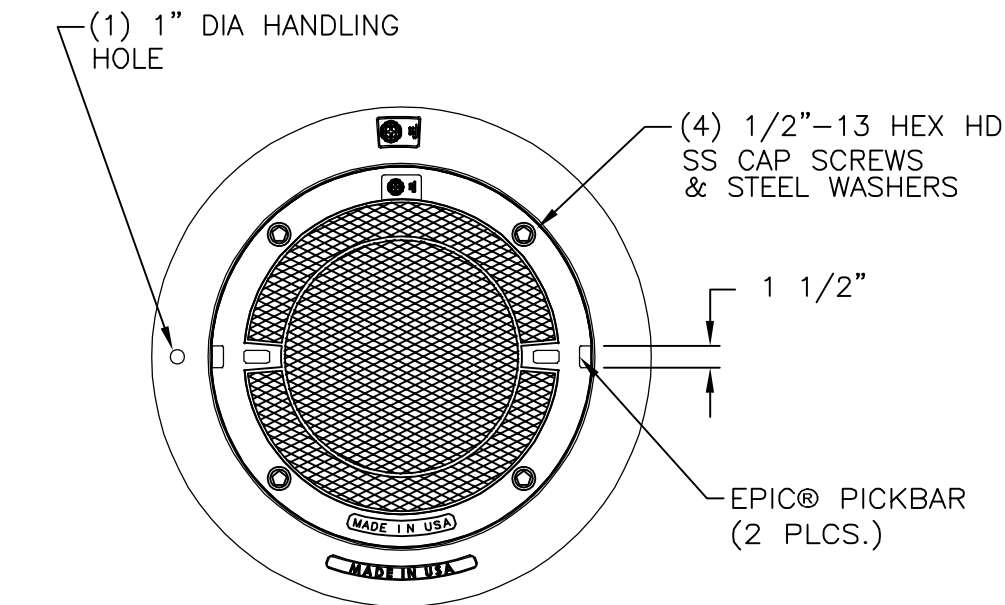
CDS5653-10-C - 823277-010
CENTRAL RAMP EXPANSION PACKAGE
2
NASHVILLE, TN
SITE DESIGNATION: HS-A

CONTECH
ENGINEERED SOLUTIONS LLC
 www.conteches.com
 2528 Ridge Road, Falmouth, MD 21056
 410-457-1500 410-740-9490 410-740-5882 FAX

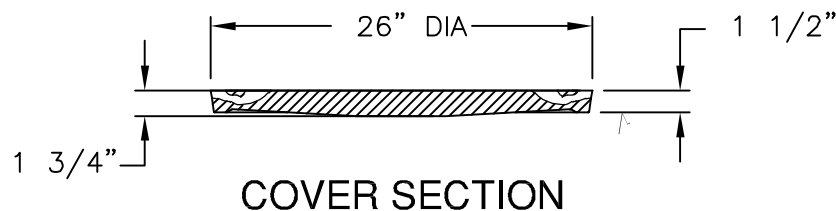
GDS
 FOR PATENT INFORMATION, GO TO www.conteches.com/FP

DATE:	6/17/25
DESIGNED:	MJS
DRAWN:	DWB
CHECKED:	MJS
APPROVED:	MJS
PROJECT No.:	823277
SEQUENCE No.:	010
SHEET:	1 OF 2

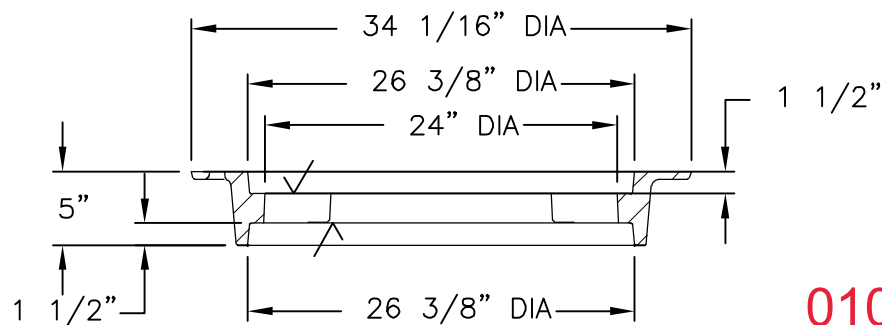
25-4593 - 823277 Central Ramp Expansion BNA 2450ZPT 1905APT DI Assembly



PLAN VIEW



COVER SECTION



FRAME SECTION

Product Number
00190522B01

Design Features

- Materials
 - Frame
Gray Iron (CL35B)
 - Cover
Ductile Iron (70-50-05)

- Load Rating
Airport Extra Heavy Duty
- Open Area
n/a
- Coating
Undipped
- √ Designates Machined Surface

Certification

- ASTM A48
- ASTM A536
- Country of Origin: USA

Major Components

00245013
00190522

Drawing Revision

5/20/2020 Designer: MAH
6/11/2024 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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ejco.com

010-CDS5653-10-C
ADDITIONAL INFORMATION