

Job Name: 25-4593 - 823277 Central Ramp Expansion BNA
 Job Location: Nashville, TN
 Contractor: Contech Engineering Solutions

Plant: Beaver Dam, KY
 12/4/2025 1:55:35 PM

Tech: J. Coppage
 PC: T. Sekula



Structure ID: 010-CDS5653-10-C

P4 MH120RS90

MH RISER

- P6) 24" - CASTING HEIGHT - 0"
- P5) 120" - MH FLAT TOP SPEC. (2 - 24"Ø F&G) - 26"
- P4) 120" - MH RISER - 90"
- P3) 120" - MH RISER - 72"
- P2) 120" - MH RISER - 36"
- P1) 120" - MH BASE SLAB - 6"

- 1) CVSTENCILING
- 1) This Structure Includes a Cast-in Item - (2 Ea. Castings)
- 1) SECONDARY POUR - Separation Slab*
- 4) 120" - Conseal CS-102 1.00"
- 2) Hole - 42

****USE REINFORCEMENT
 INFORMATION PROVIDED
 BY CONTECH****

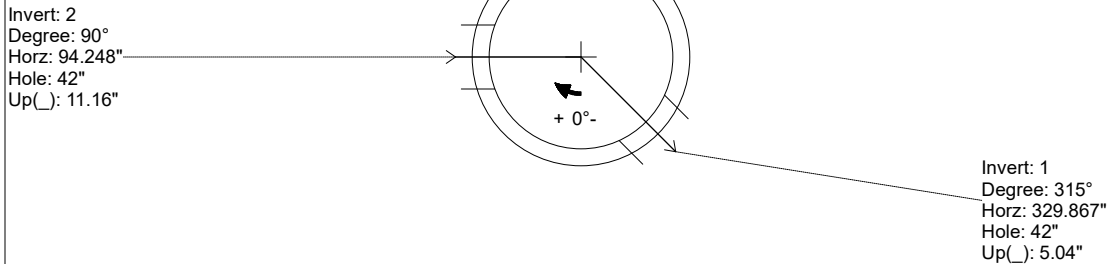
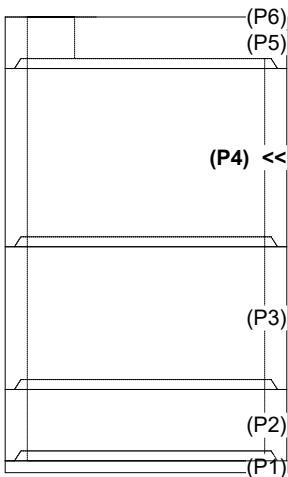
- Structure Notes:
1. PER ASTM C-478 SPECS
 2. CONCRETE: 7,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615 (GRADE 60)
 4. 2 EA. CAST-IN CASTINGS PROVIDED BY OTHERS
 5. CASTINGS TO BE CAST INTO FLAT LID FLANGE SIDE UP
 6. LIFTING HOOKS TO BE INSTALLED ON THE INSIDE OF THE STRUCTURE
 7. CONTECH'S LOGO AS WELL AS INLET AND OUTLET MUST BE STENCILED ONTO STRUCTURE
 8. INTERNALS TO BE INSTALLED BY OTHERS

Structure Total: 123980 lb

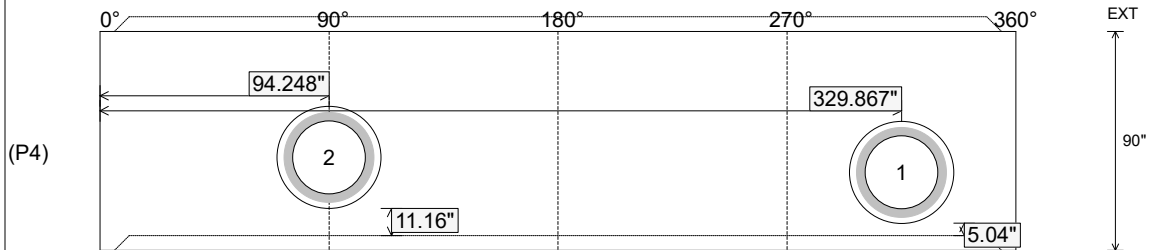
Rim: 557.27' Rim to Invert: 8.35' Slack: 1.24" Sump: 125.04" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	548.92'	315°	390.343"	30" RCP B WALL	37"	Hole 42	42"	42.909"	5.04"	0"
Invert 2	549.43'	90°	111.527"	30" RCP B WALL	37"	Hole 42	42"	42.909"	11.16"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 11" Floor Height: 0"	Height (Int): 90" Height (Ext): 90"	Weight (Net): 31584 lb Volume (Net): 8.07cu.yd
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25-4593 RISER REINFORCEMENT 010-CDS5653-10-C

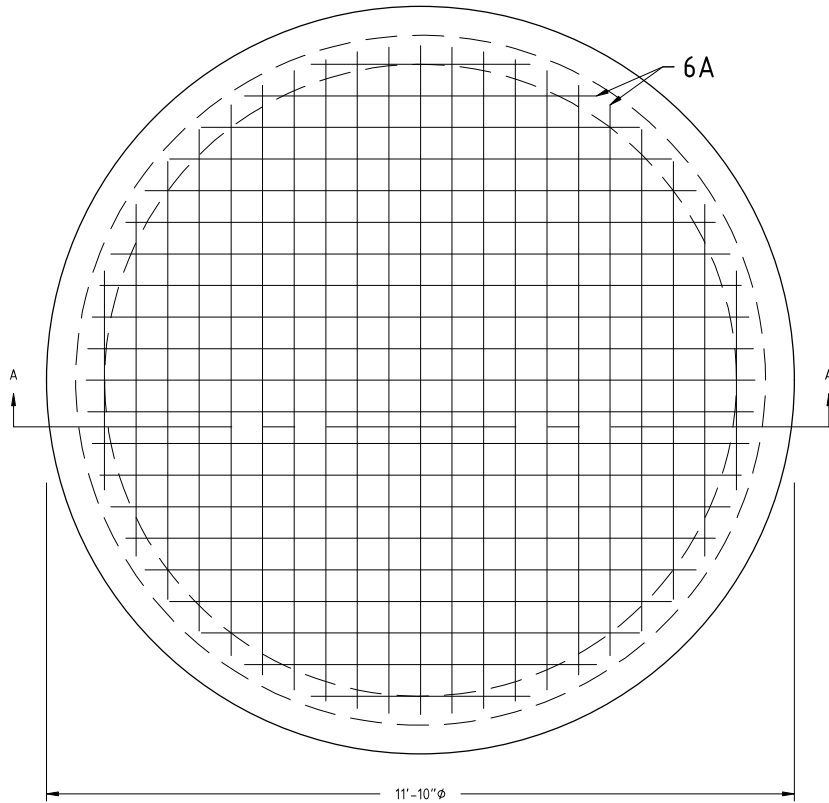
DESIGN NOTE:

AIRCRAFT LOADING - 80 KIP WHEEL LOAD - 17.19"x12.68" TIRE FOOTPRINT
 WATER TABLE AT FINISHED GRADE
 DESIGN CONFORMS TO AASHTO LRFD
 CONCRETE 28 DAY COMPRESSIVE STRENGTH - 7000 PSI
 REINFORCEMENT STEEL - 60,000 PSI
 REBAR MIN SPLICE LENGTHS: #3-17" #4-22" #5-28" #6-33"
 REBAR MIN BEND DIAMETERS: #3-2.25" #4-3" #5-3.75" #6-4.5"
 PLACE 4-#4 BAR DIAGONAL AROUND OPENING(S)

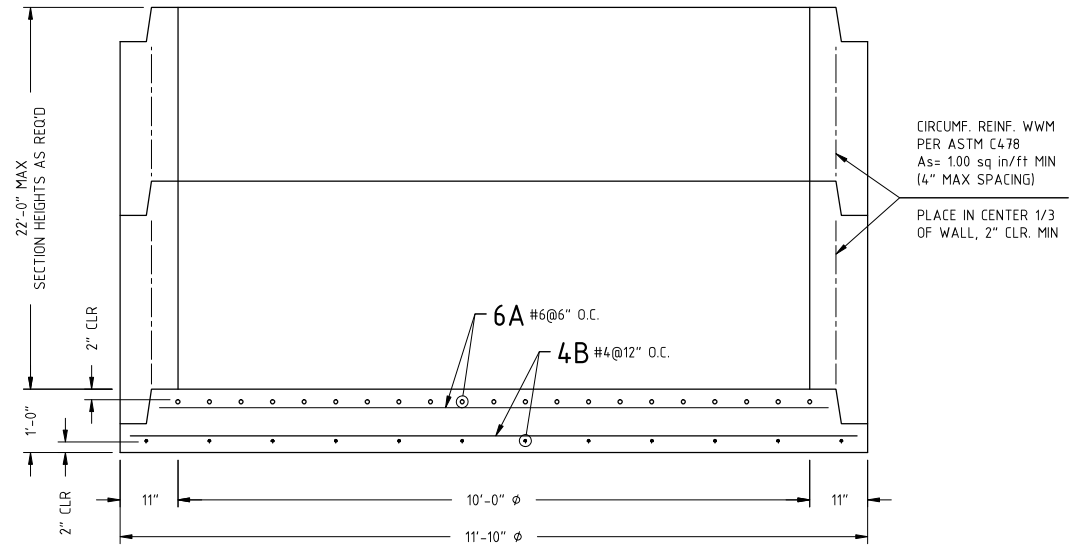
823277-10

REINFORCING STEEL SCHEDULE

MARK	NO.	LENGTH	TYPE	BENDING DIAGRAM O.D.
6A	42	10'-7" MAX	STR.	
4B	24	11'-6" MAX	STR.	



PLAN VIEW
(TOP MAT SHOWN)



SECTION A-A



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REVISIONS	
B	
C	
D	
E	

DRAWN BY: T.J.G
 DESIGN BY: A.JEFFREY
 PLANT:
 SCALE: 1/2" = 1'

CONTECH - CDS - BASESLAB
 10'-0"Ø
 REINFORCEMENT

DATE: 10/14/25 11"x17" PAGE 1 OF 1