

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

Plant: Beaver Dam, KY  
 12/4/2025 1:55:38 PM

Tech: J. Coppage  
 PC: T. Sekula



**Structure ID: 015-CDS5668-10-C**

**P4 MH120RS72**

**MH RISER**

- P7) 24" - CASTING HEIGHT - 0"
- P6) 120" - MH FLAT TOP SPEC. (2 - 24"Ø F&G) - 26"
- P5) 120" - MH RISER Custom Ht - 50"
- P4) 120" - MH RISER - 72"
- P3) 120" - MH RISER - 84"
- 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\*
- 5) 120" - Conseal CS-102 1.00"
- 2) Hole - 48

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

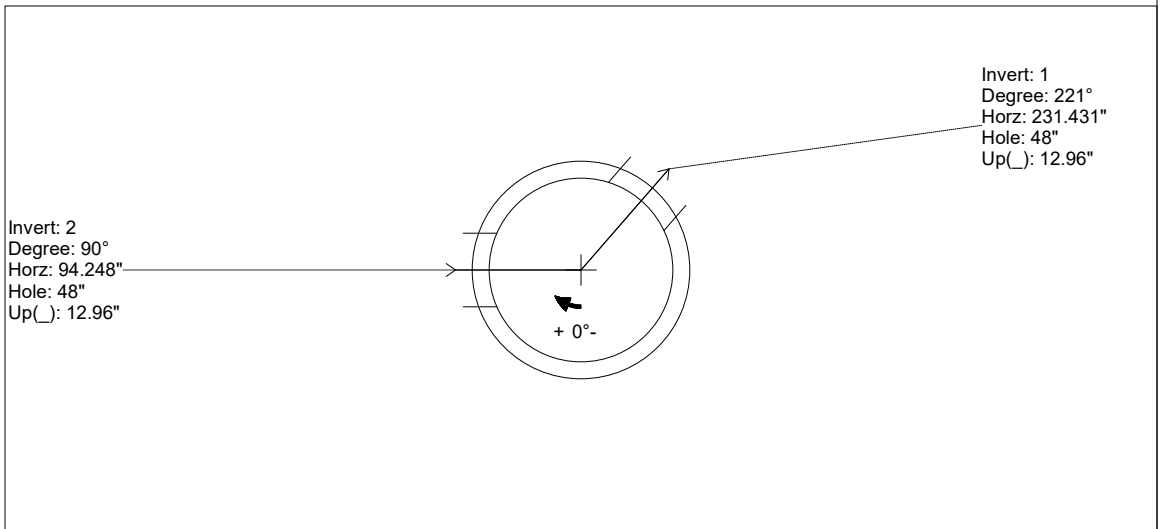
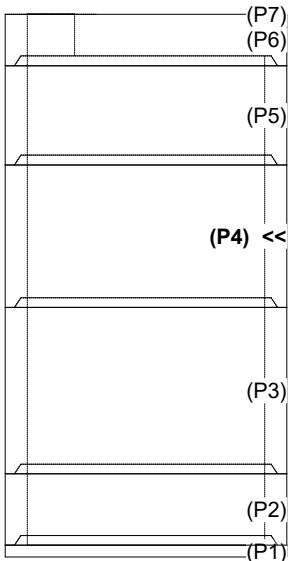
- Structure Notes:
1. PER ASTM C-478 SPECS
  2. CONCRETE: 7,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615 (GRADE 60)
  4. 2 EA. CAST-IN CASTINGS PROVIDED BY OTHERS
  5. CASTINGS TO BE CAST INTO FLAT LID FLANGE SIDE UP
  6. LIFTING HOOKS TO BE INSTALLED ON THE INSIDE OF THE STRUCTURE
  7. CONTECH'S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

Structure Total: 139877 lb

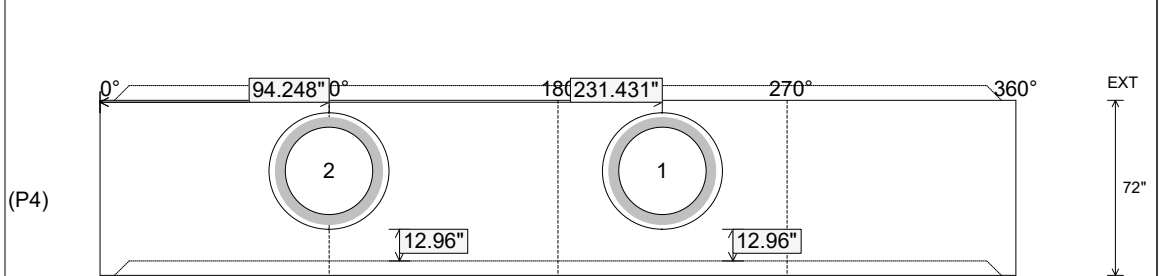
Rim: 553.59' Rim to Invert: 10.3' Slack: 0.56" Sump: 144.96" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	543.29'	221°	273.86"	36" RCP B WALL	44"	Hole 48	48"	49.382"	12.96"	0"
Invert 2	543.29'	90°	111.527"	36" RCP B WALL	44"	Hole 48	48"	49.382"	12.96"	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): 72" Height (Ext): 72"	Weight (Net): 23929 lb Volume (Net): 6.11cu.yd
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# 25-4593 RISER REINFORCEMENT 015-CDS5668-10-C

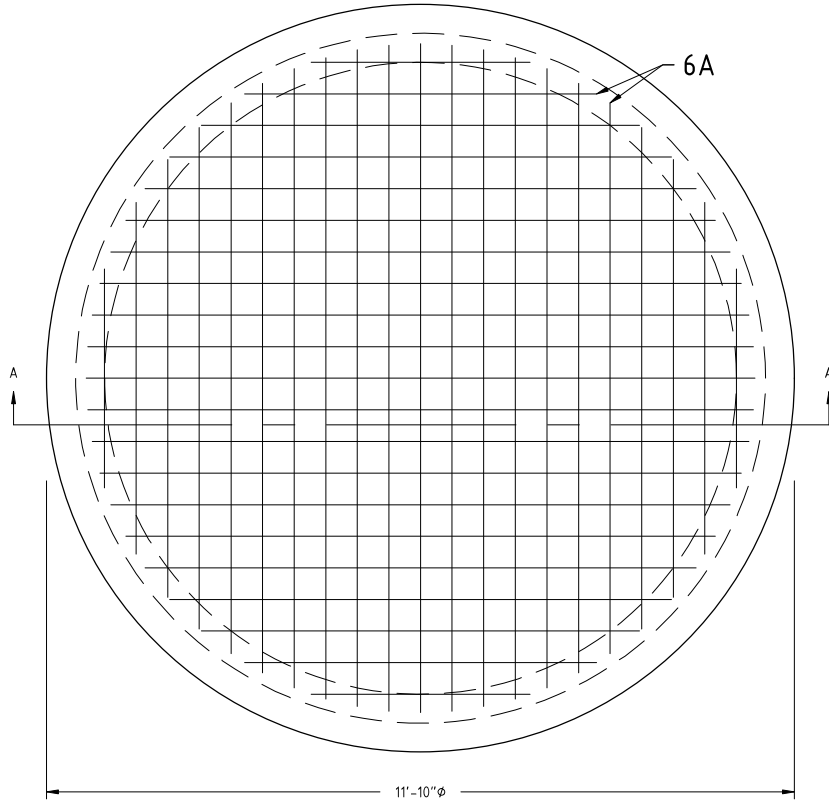
**DESIGN NOTE:**

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)

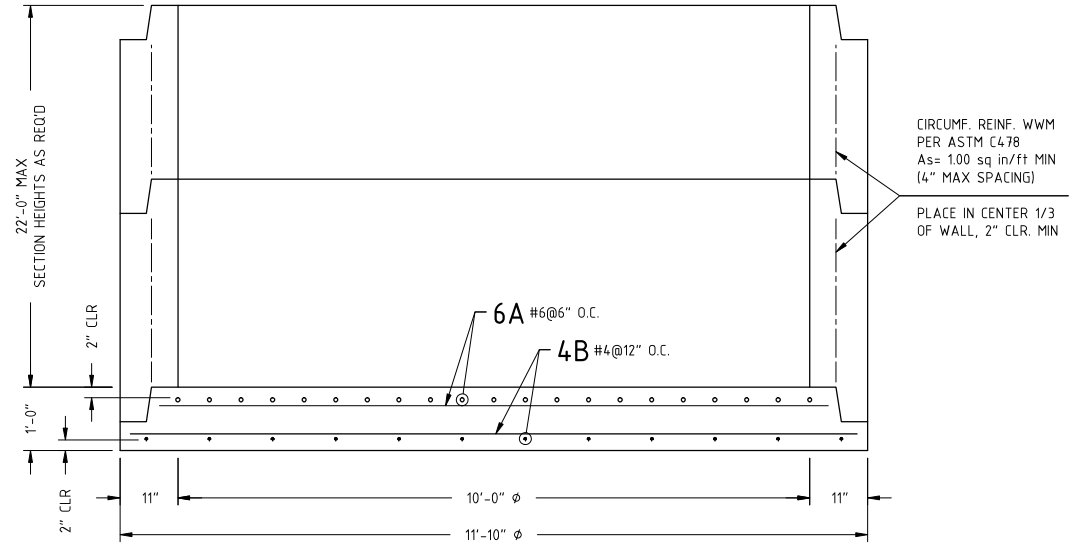
823277-15

**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