

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

Plant: Beaver Dam, KY
 12/4/2025 1:55:09 PM

Tech: J. Coppage
 PC: T. Sekula



Structure ID: 030-CDS5678-10-C

P6 MH120LD18SP

MH FLAT TOP SPEC. (2 - 24"Ø HOLES)

- P9) 24" - CASTING HEIGHT - 4"
- P8) 24" - GRADE RING - 4"
- P7) 24" - GRADE RING - 6"
- P6) 120" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) - 18"
- P5) 120" - MH RISER Custom Ht - 40"
- P4) 120" - MH RISER - 96"
- P3) 120" - MH RISER Custom Ht - 82"
- P2) 120" - MH RISER Custom Ht - 38"
- P1) 120" - MH BASE SLAB - 6"
- 1) CVSTENCILING
- 1) SECONDARY POUR - Separation Slab*
- 5) 120" - Conseal CS-102 1.00"
- 2) Hole - 42"

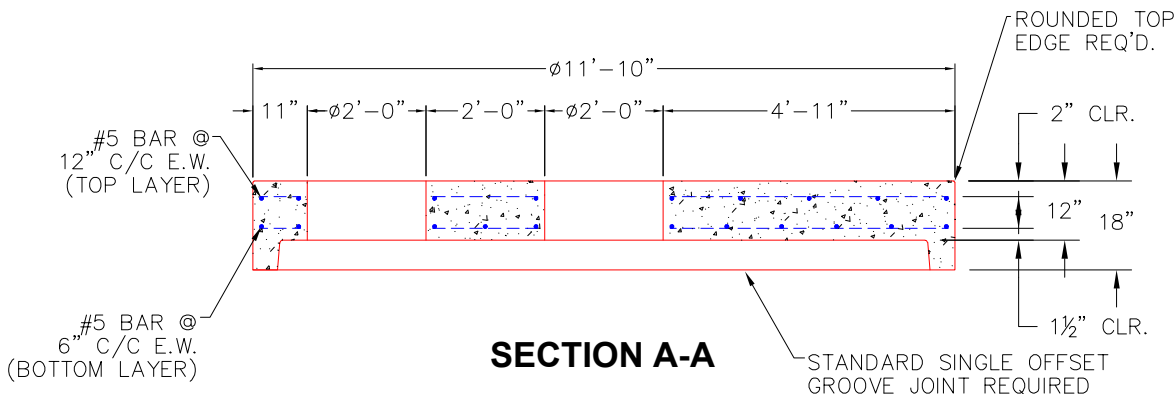
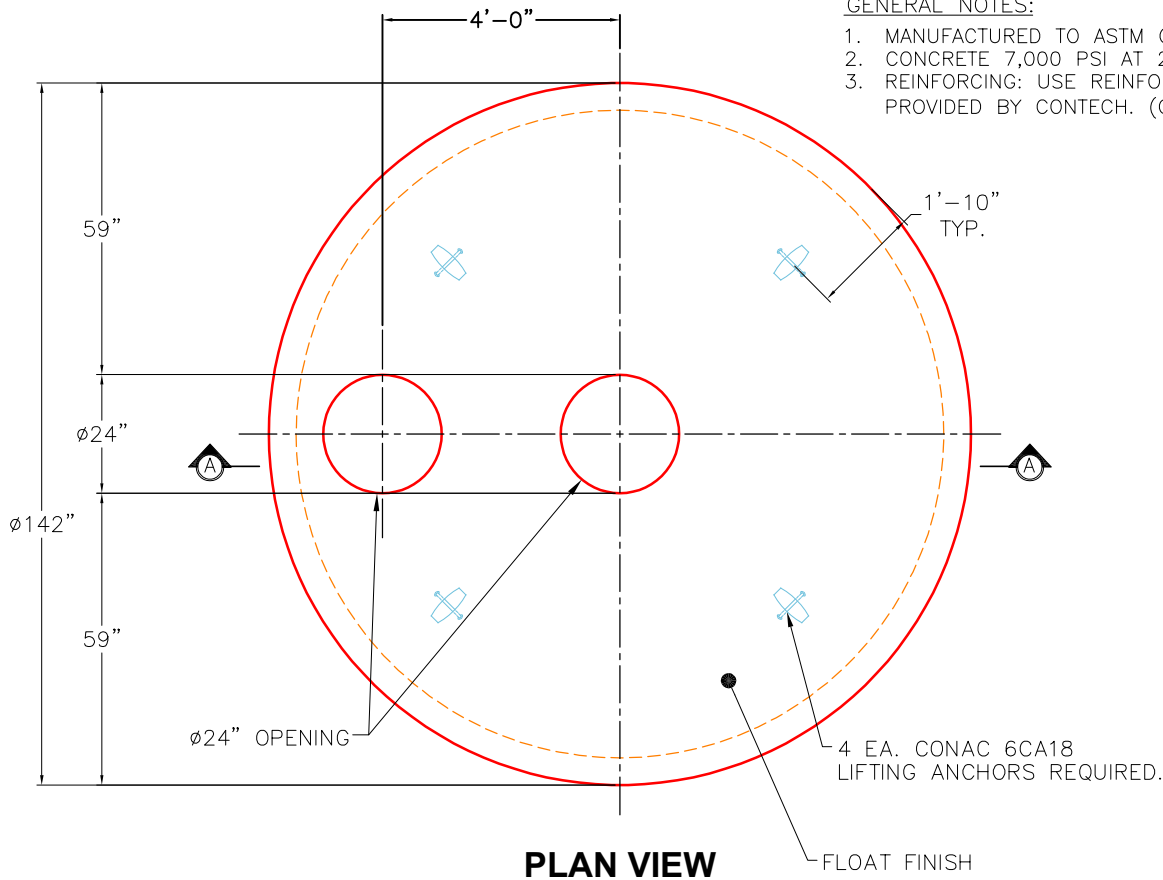
****USE REINFORCEMENT
 INFORMATION PROVIDED
 BY CONTECH****

- 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. CASTINGS PROVIDED BY OTHERS
 5. LIFTING HOOKS TO BE INSTALLED ON THE INSIDE OF THE STRUCTURE
 6. CONTECH'S LOGO AS WELL AS INLET AND OUTLET MUST BE STENCILED ONTO STRUCTURE
 7. BASE SLAB, BASE SECTION, AND CONTROL SECTION
 HAVE ALREADY BEEN PRODUCED.
 8. INTERNALS TO BE INSTALLED BY OTHERS

Structure Total: 136664 lb

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 7,000 PSI AT 28 DAYS.
3. REINFORCING: USE REINFORCEMENT INFORMATION PROVIDED BY CONTECH. (GRADE 60KSI).



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 11"

Height (Ext): 18"

Weight (Net): 16223 lb
 Volume (Net): 4.14cu.yd

25-4593 TOP SLAB REINFORCEMENT

030-CDS5678-10-C

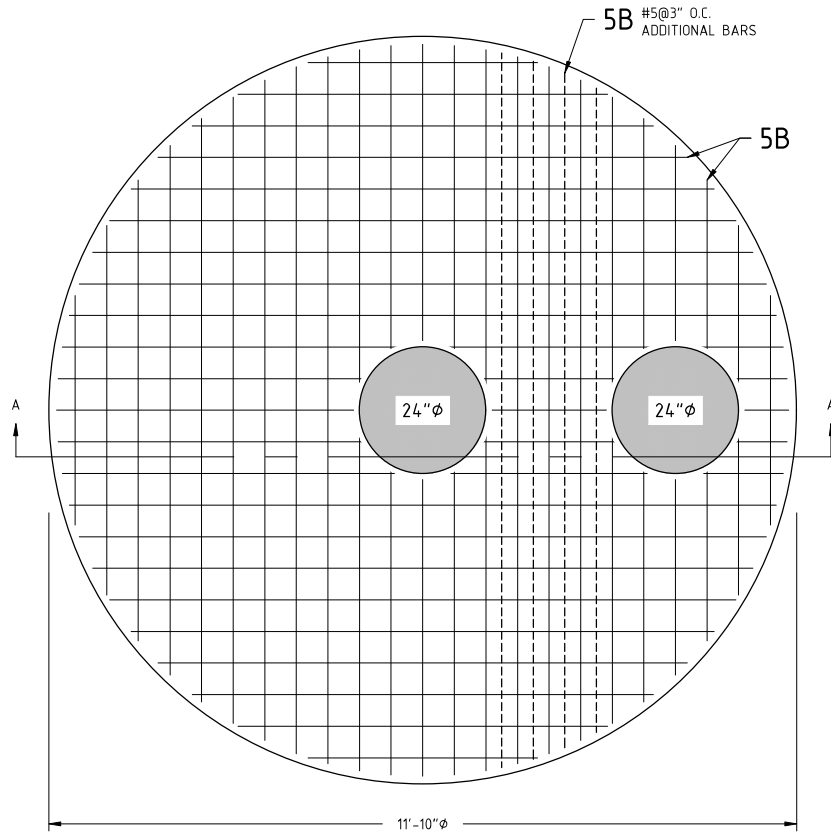
DESIGN NOTE:

HS20 DIRECT TRAFFIC (HEAVY DUTY) LOADING
 WATER TABLE AT FINISHED GRADE
 DESIGN CONFORMS TO AASHTO LRFD
 CONCRETE 28 DAY COMPRESSIVE STRENGTH - 5000 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)

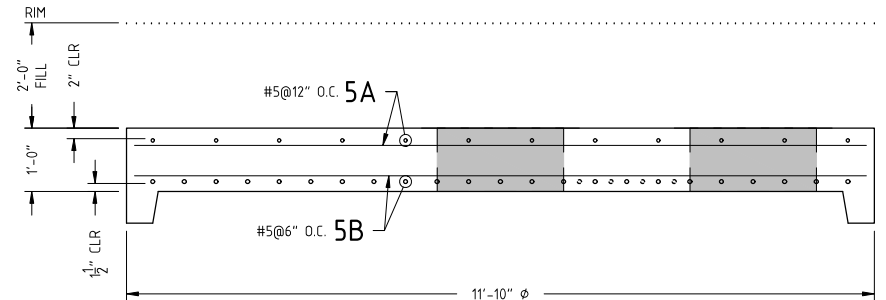
823277-30

REINFORCING STEEL SCHEDULE

MARK	NO.	LENGTH	TYPE	BENDING DIAGRAM O.D.
5A	24	11'-7" MAX	STR.	
5B	50	11'-7" MAX	STR.	



PLAN VIEW
(BOTTOM MAT SHOWN)



SECTION A-A SHIP LOOSE FRAME



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REVISIONS		DRAWN BY: T.J.G
B		DESIGN BY: A.JEFFREY
C		PLANT:
D		SCALE: 1/2" = 1'
E		

CONTECH - CDS TOPSLAB	10'-0" ϕ
REINFORCEMENT	
DATE: 10/29/25	11"x17" PAGE 1 OF 1