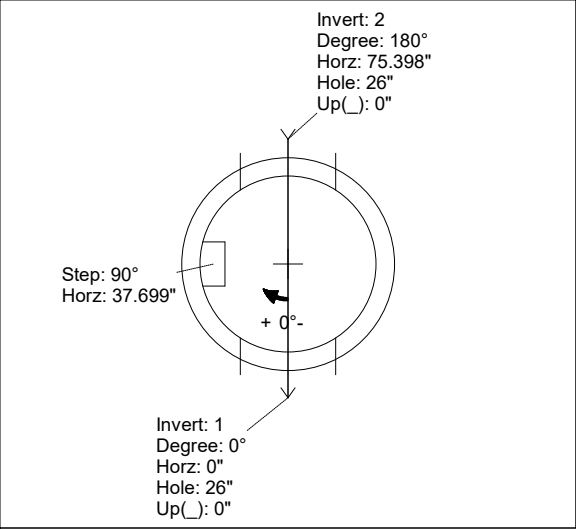
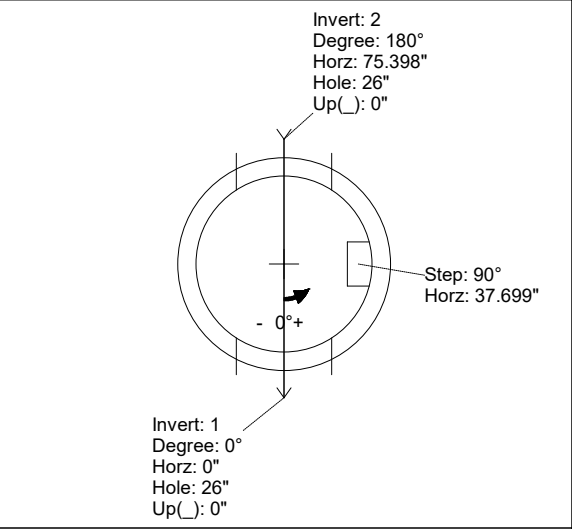


Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:16 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R29A											
P1		MH048BA42		MH BASE T/n							
P4) 28" x 28" - CASTING HEIGHT - 5" P3) 28" x 28" - GRADE RING F/F - 3" P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12" P1) 48" - MH BASE T/n - 42" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 1) 48" - Conseal CS-102 1.00" 2) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 26 3) MH Step ML-10-TDS-NCR - 10"					0 lb 290 lb 1368 lb 3798 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Structure Total:					6781 lb						
Rim: 577.92' Rim to Invert: 5.12' Slack: 1.94" Sump: 2.5" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	572.8'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	572.8'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

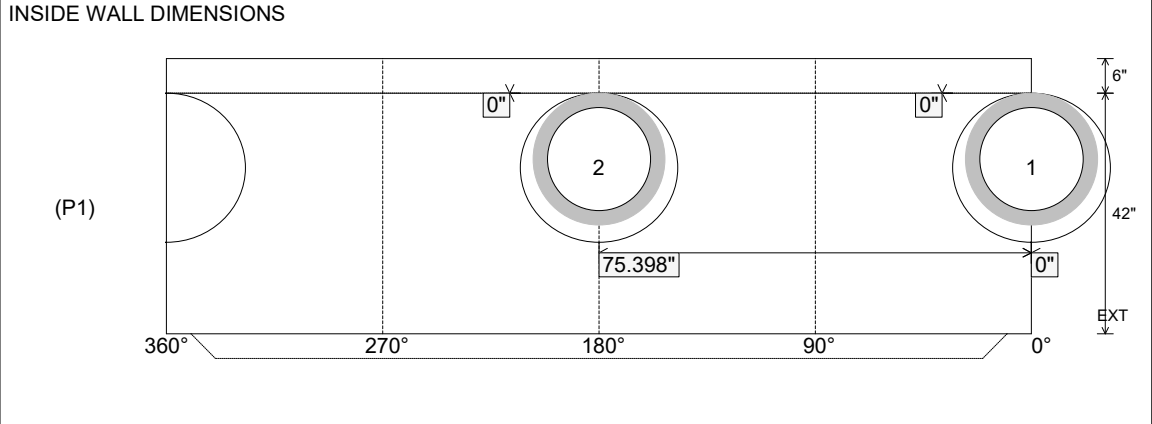
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 3798 lb Volume (Net): 0.97cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:37:16 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R29A

P1 MH048BA42

MH BASE T/n

P4) 28" x 28" - CASTING HEIGHT - 5"

P3) 28" x 28" - GRADE RING F/F - 3"

P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"

P1) 48" - MH BASE T/n - 42"

1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT

1) CASTING - JBS 3104-V SINGLE SET

1) 48" - Conseal CS-102 1.00"

2) 28" x 28" - Conseal CS-102 1.00"

2) Hole - 26

3) MH Step ML-10-TDS-NCR - 10"

0 lb

290 lb

1368 lb

3798 lb

1075 lb

250 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 6781 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

2. CONCRETE = 4,000 PSI AT 28 DAYS.

3. CASTING BY ICAST (JBS-3104 SINGLE SET).

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..

- RISER/WALLS (As .12)

- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Invert channel drawing

1/4 Height storm invert

Rim: 577.92'

Rim to Invert: 5.12'

Slack: 1.94"

Sump: 2.5"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	572.8'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"
Invert 2	572.8'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

