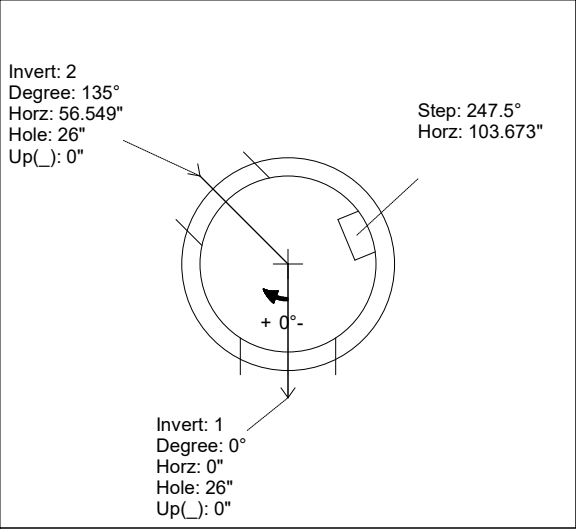
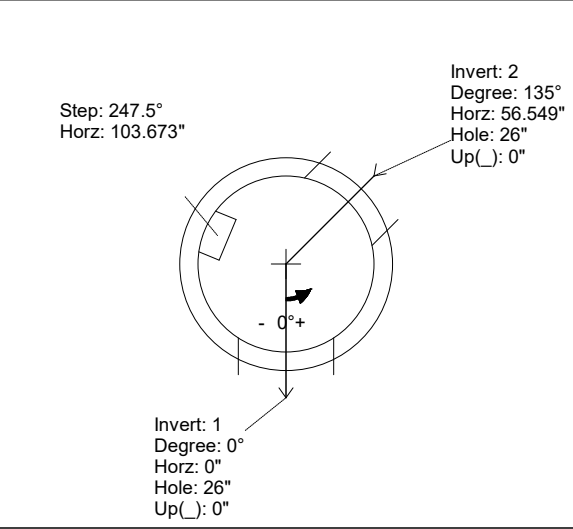


Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:59 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R12											
P1 MH048BA48		MH BASE T/n									
P4) 28" x 28" - CASTING HEIGHT - 5" P3) 28" x 28" - GRADE RING F/F - 3" P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12" P1) 48" - MH BASE T/n - 48" 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" 4) MH Step ML-10-TDS-NCR - 10"					0 lb 290 lb 1368 lb 4217 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:					7200 lb						
Rim: 573.42' Rim to Invert: 5.62' Slack: 1.94" Sump: 2.5" Step Position: 247.5°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	567.8'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	567.8'	135°	68.33"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

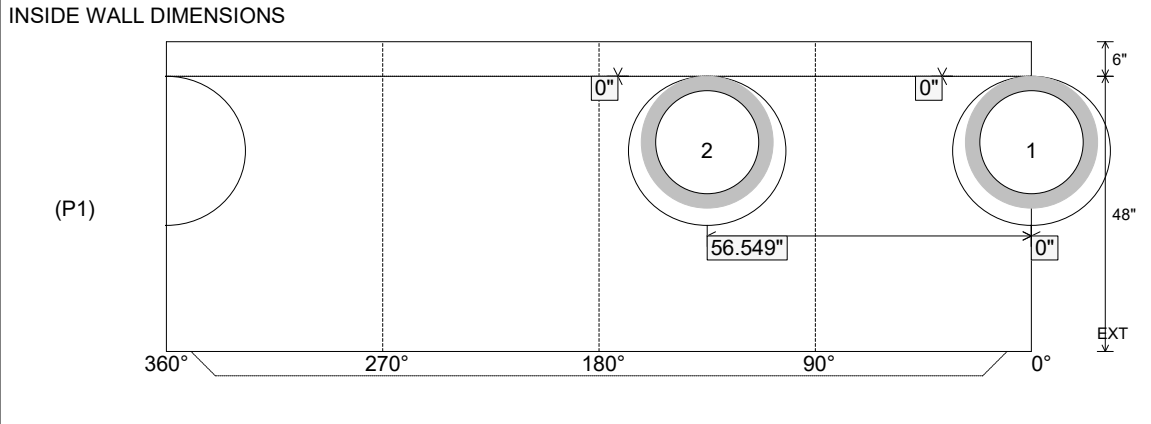
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



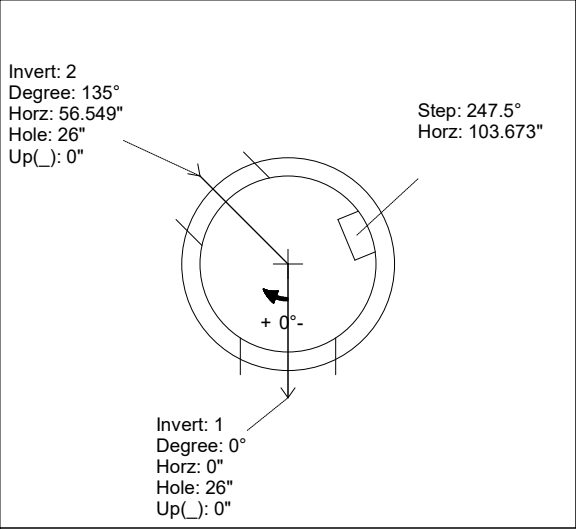
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 48" Height (Ext): 54"	Weight (Net): 4217 lb Volume (Net): 1.08cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:59 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R12											
P1 MH048BA48		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 - 48" 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" 4) MH Step ML-10-TDS-NCR - 10"					0 lb 290 lb 1368 lb 4217 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:					7200 lb		Invert channel drawing 1/4 Height storm invert				
Rim: 573.42' Rim to Invert: 5.62' Slack: 1.94" Sump: 2.5" Step Position: 247.5°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	567.8'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	567.8'	135°	68.33"	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)

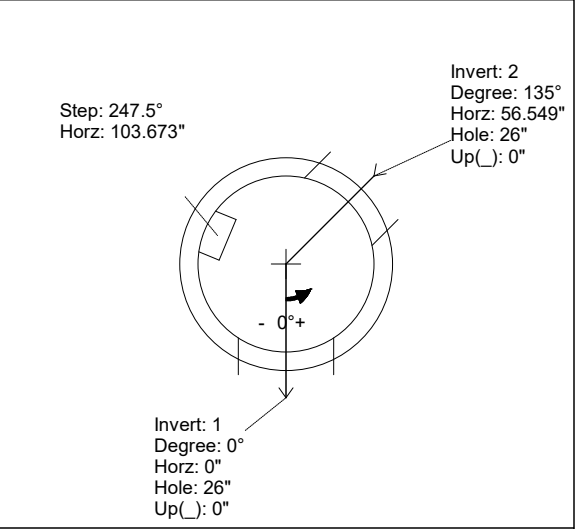


Invert: 2
Degree: 135°
Horz: 56.549"
Hole: 26"
Up(): 0"

Step: 247.5°
Horz: 103.673"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 26"
Up(): 0"

UPSIDE-DOWN VIEW (int. dimensions)

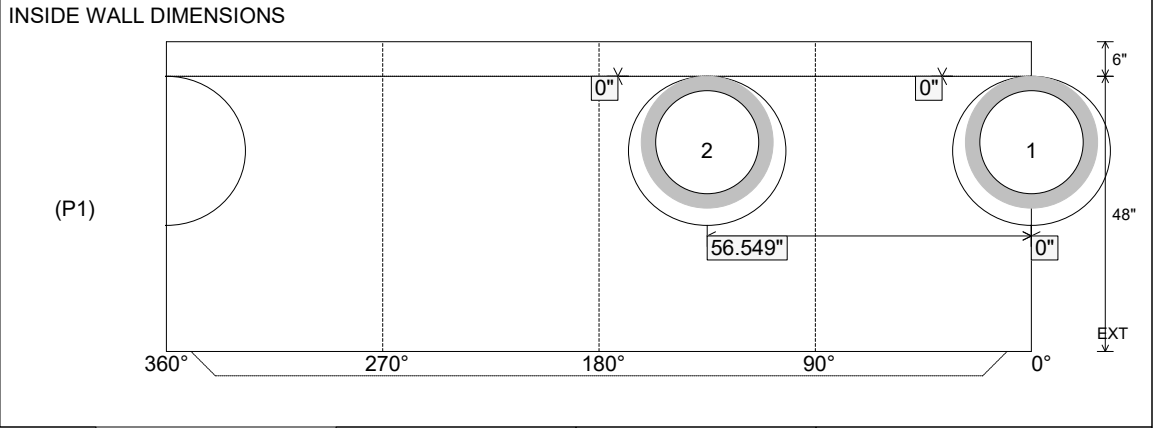


Step: 247.5°
Horz: 103.673"

Invert: 2
Degree: 135°
Horz: 56.549"
Hole: 26"
Up(): 0"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 26"
Up(): 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

56.549"

48"

6"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 48" Height (Ext): 54"	Weight (Net): 4217 lb Volume (Net): 1.08cu.yd
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