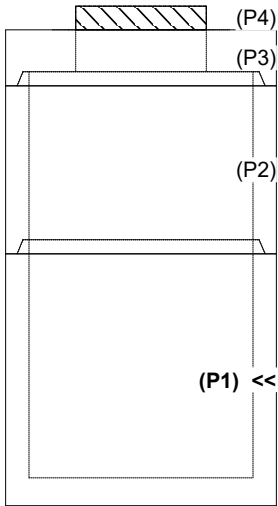
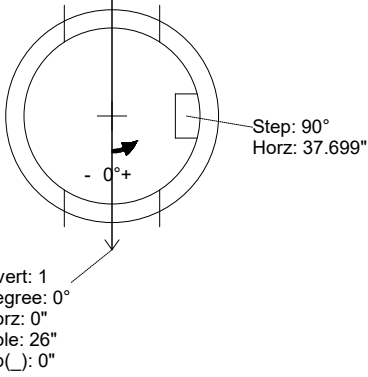


Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:55 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R6											
P1		MH048BA48		MH BASE T/n							
P4) 28" x 28" - CASTING HEIGHT - 5" P3) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE T/n - 48" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 2) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 26" 7) MH Step ML-10-TDS-NCR - 10"						0 lb 1368 lb 2515 lb 4217 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 9425 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.			
Rim: 569.02' Rim to Invert: 8.45' Slack: 2.9' Sump: 2.5' Step Position: 90											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	560.57'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	560.57'	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											

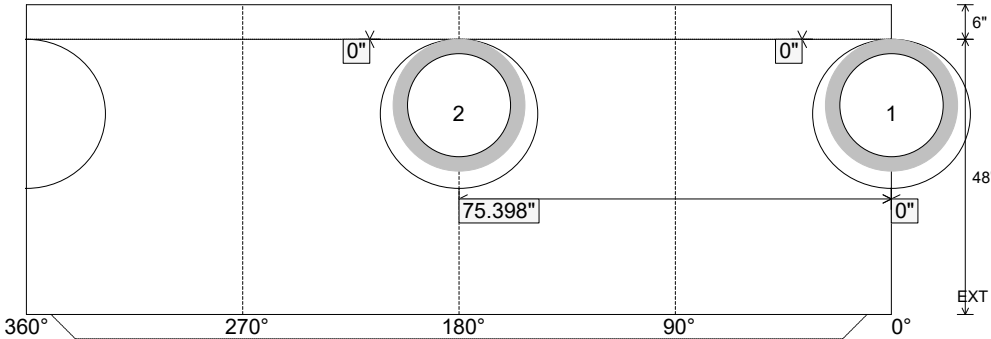
RIGHT-SIDE UP VIEW (int. dimensions)



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): 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 10:36:55 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R6

P1 MH048BA48

MH BASE T/n

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

P3) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"

P2) 48" - MH RISER T/G - 36"

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

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

1) CASTING - JBS 3104-V SINGLE SET

2) 48" - Conseal CS-102 1.00"

1) 28" x 28" - Conseal CS-102 1.00"

2) Hole - 26

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

0 lb

1368 lb

2515 lb

4217 lb

1075 lb

250 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 9425 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: 569.02'

Rim to Invert: 8.45'

Slack: 2.9"

Sump: 2.5"

Step Position: 90

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	560.57'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"
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Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2

Degree: 180°

Horz: 75.398"

Hole: 26"

Up(): 0"

Step: 90°

Horz: 37.699"

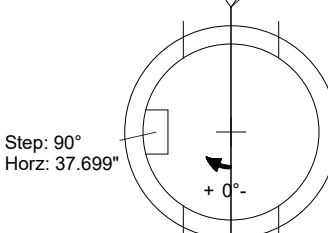
Invert: 1

Degree: 0°

Horz: 0"

Hole: 26"

Up(): 0"



Invert: 2

Degree: 180°

Horz: 75.398"

Hole: 26"

Up(): 0"

Step: 90°

Horz: 37.699"

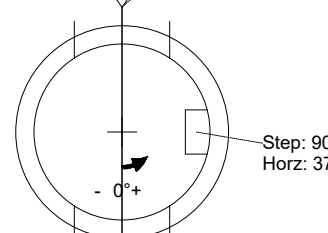
Invert: 1

Degree: 0°

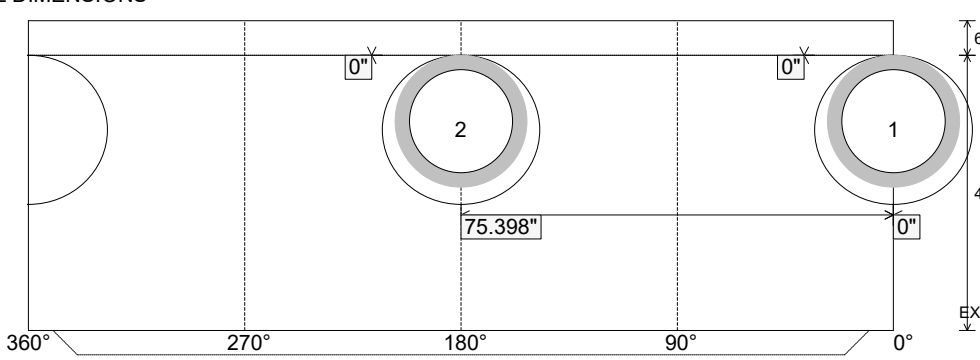
Horz: 0"

Hole: 26"

Up(): 0"



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