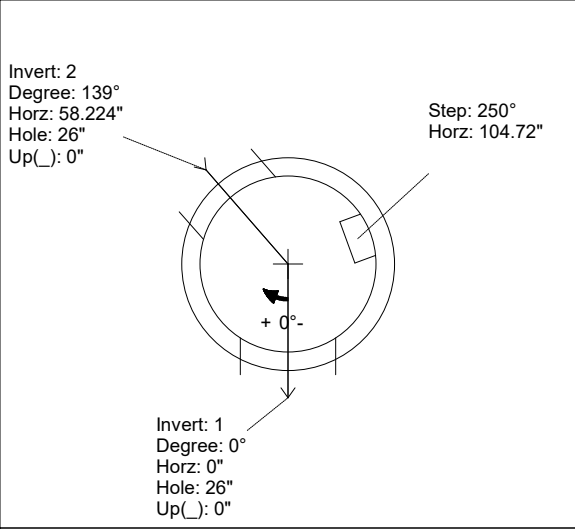


Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:21 AM		Tech: S. Felletter PC: Erica Bradley			
Structure ID: R39										
P1		MH048BAVF		MH BASE Custom Ht F/n						
P3) 28" x 28" - CASTING HEIGHT - 5" P2) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7" P1) 48" - MH BASE Custom Ht F/n - 40" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 1) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 26" 3) MH Step ML-10-TDS-NCR - 10"					0 lb 1091 lb 3658 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 6075 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: 571.15' Rim to Invert: 4.16' Slack: 0.42" Sump: 2.5" Step Position: 250										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	566.99'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"
Invert 2	566.99'	139°	70.354"	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)

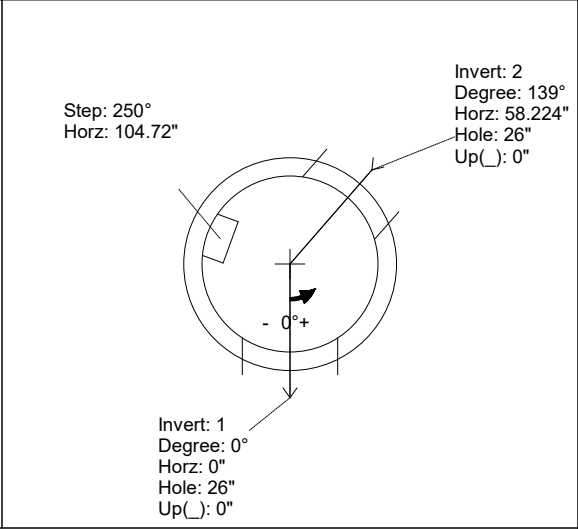


Invert: 2
Degree: 139°
Horz: 58.224"
Hole: 26"
Up(): 0"

Step: 250°
Horz: 104.72"

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

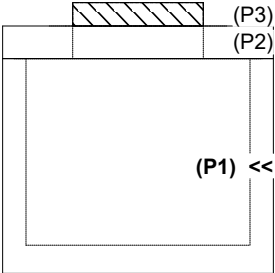
UPSIDE-DOWN VIEW (int. dimenions)



Invert: 2
Degree: 139°
Horz: 58.224"
Hole: 26"
Up(): 0"

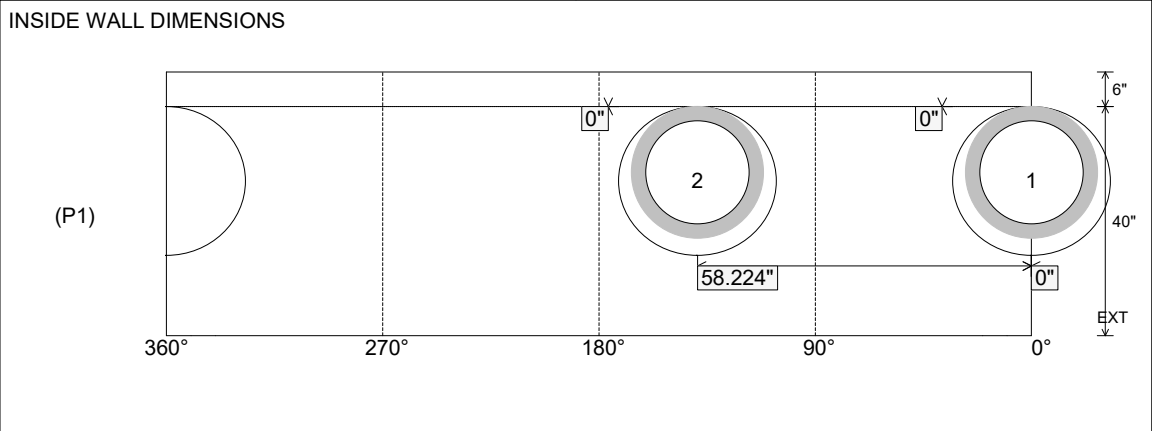
Step: 250°
Horz: 104.72"

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



(P3)
(P2)
(P1) <<

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

6"
40"
EXT

0"
0"
58.224"

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 40" Height (Ext): 46"	Weight (Net): 3658 lb Volume (Net): 0.93cu.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 10:37:21 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R39

P1 MH048BAVF

MH BASE Custom Ht F/n

P3) 28" x 28" - CASTING HEIGHT - 5"

P2) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7"

P1) 48" - MH BASE Custom Ht F/n - 40"

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

1) CASTING - JBS 3104-V SINGLE SET

1) 48" - Conseal CS-102 1.00"

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

2) Hole - 26

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

0 lb

1091 lb

3658 lb

1075 lb

250 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 6075 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: 571.15'

Rim to Invert: 4.16'

Slack: 0.42"

Sump: 2.5"

Step Position: 250

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	566.99'	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. dimenions)

Invert: 2

Degree: 139°

Horz: 58.224"

Hole: 26"

Up(): 0"

Step: 250°

Horz: 104.72"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 26"

Up(): 0"

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

360°

270°

180°

90°

0°

0"

0"

0"

0"

0"

58.224"

40"

6"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 40"

Height (Ext): 46"

Weight (Net): 3658 lb

Volume (Net): 0.93cu.yd