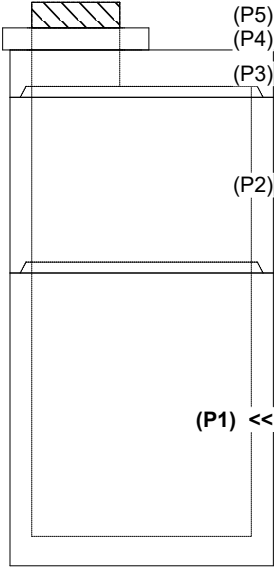
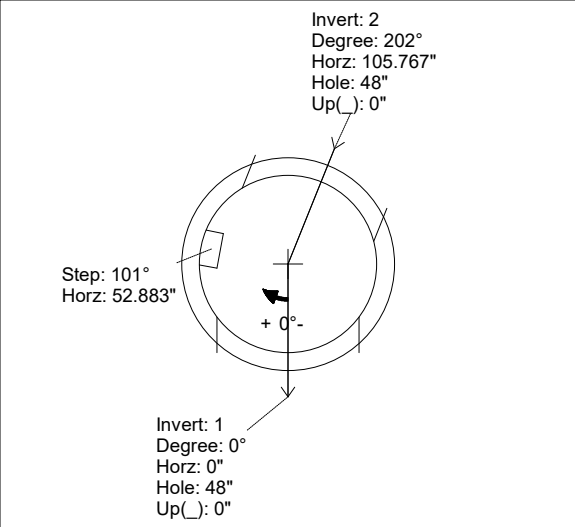


Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:26 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R49											
P1 MH060BA72		MH BASE T/n									
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING F/F - 6" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER T/G - 48" P1) 60" - MH BASE T/n - 72" 1) 60" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 1150 F/C STORM 2) 60" - Conseal CS-102 1.00" 2) Hole - 48 10) MH Step ML-10-TDS-NCR - 10"						0 lb 405 lb 2869 lb 5011 lb 8196 lb 1700 lb 250 lb 0 lb 0 lb 0 lb ----- Structure Total: 18431 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS 1150 F/C "STORM"). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.			
Rim: 579.59' Rim to Invert: 11.83' Slack: -0.04" Sump: 4" Step Position: 101°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	567.76'	0°	0"	36" RCP B WALL	44"	Hole 48	48"	55.638"	0"	0"	
Invert 2	567.76'	202°	126.92"	36" RCP B WALL	44"	Hole 48	48"	55.638"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P5)
(P4)
(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

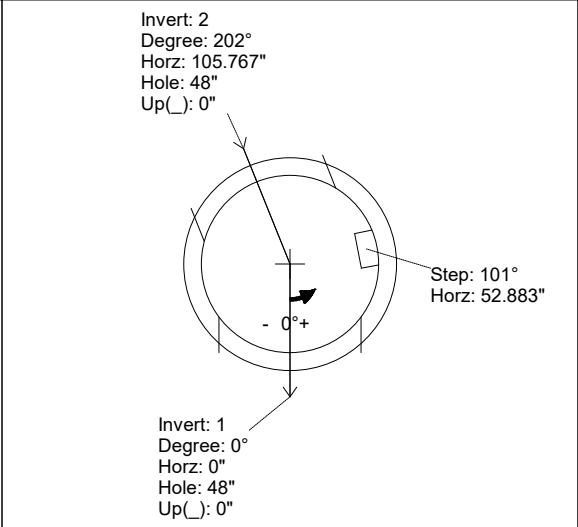


Invert: 2
Degree: 202°
Horz: 105.767"
Hole: 48"
Up(): 0"

Step: 101°
Horz: 52.883"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 48"
Up(): 0"

UPSIDE-DOWN VIEW (int. dimensions)

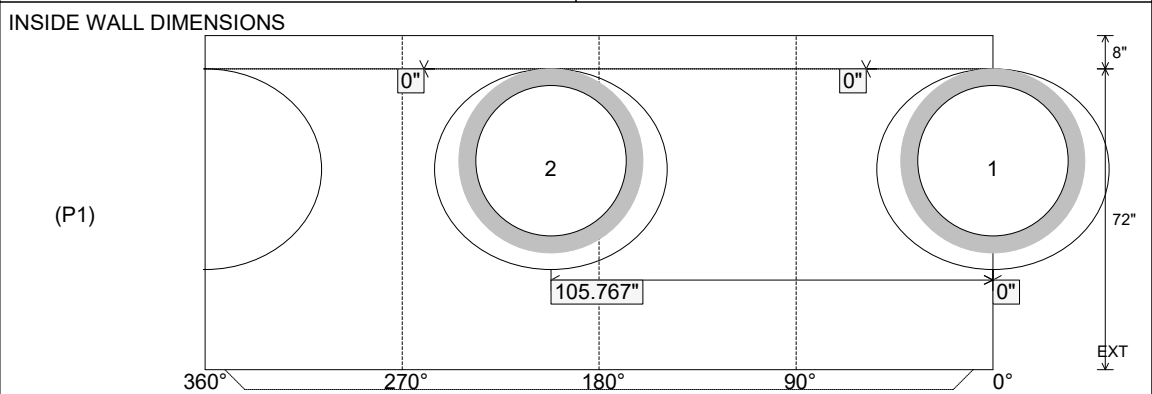


Invert: 2
Degree: 202°
Horz: 105.767"
Hole: 48"
Up(): 0"

Step: 101°
Horz: 52.883"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 48"
Up(): 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

0" 0" 0" 0"

105.767"

8" 72" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 72" Height (Ext): 80"	Weight (Net): 8196 lb Volume (Net): 2.09cu.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 10:37:26 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R49

P1 MH060BA72

MH BASE T/n

P5) 24" - CASTING HEIGHT - 7"

P4) 24" - GRADE RING F/F - 6"

P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"

P2) 60" - MH RISER T/G - 48"

P1) 60" - MH BASE T/n - 72"

1) 60" - STORM INVERT CHANNEL - 1/4 HEIGHT

1) CASTING - JBS 1150 F/C STORM

2) 60" - Conseal CS-102 1.00"

2) Hole - 48

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

0 lb

405 lb

2869 lb

5011 lb

8196 lb

1700 lb

250 lb

0 lb

0 lb

0 lb

Structure Total: 18431 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (JBS 1150 F/C "STORM").

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .18)

- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Invert channel drawing

1/4 Height storm invert

Rim: 579.59'

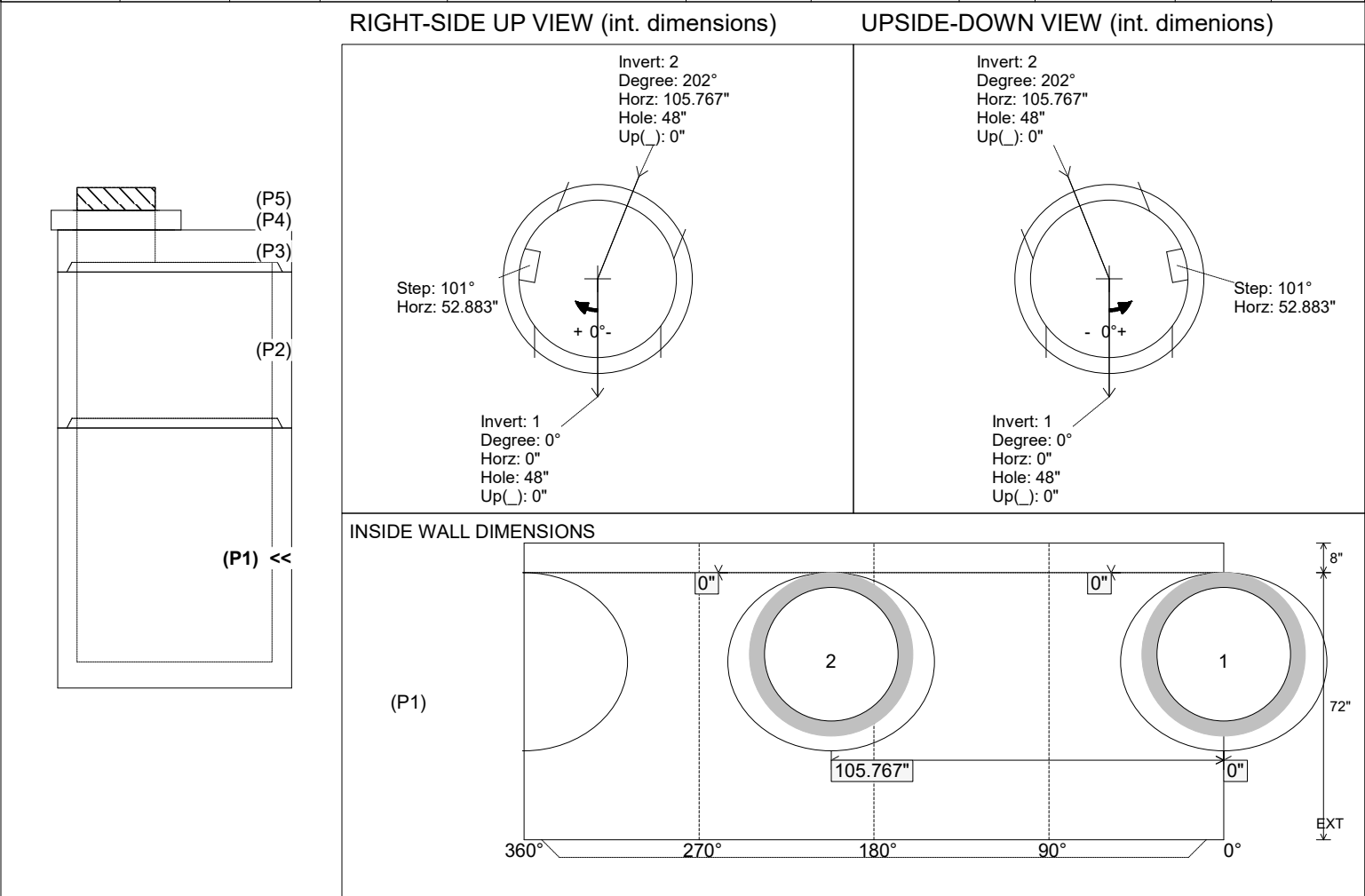
Rim to Invert: 11.83'

Slack: -0.04"

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Step Position: 101°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	567.76'	0°	0"	36" RCP B WALL	44"	Hole 48	48"	55.638"	0"	0"
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Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 8"

Height (Int): 72"

Height (Ext): 80"

Weight (Net): 8196 lb

Volume (Net): 2.09cu.yd