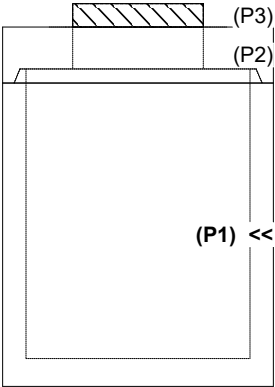
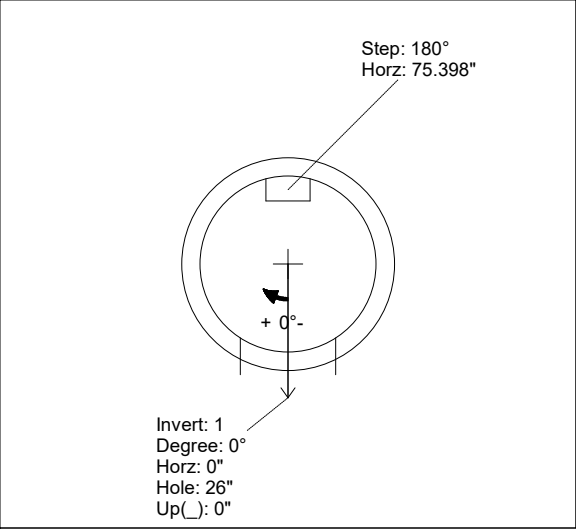


Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:58 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R8A											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 28" x 28" - CASTING HEIGHT - 5" P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 59" 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" 1) Hole - 26 5) MH Step ML-10-TDS-NCR - 10"					0 lb 1368 lb 5219 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- 7912 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: 574.13' Rim to Invert: 6.2' Slack: 0.9' Sump: 2.5' Step Position: 180											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	567.93'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P1) <<

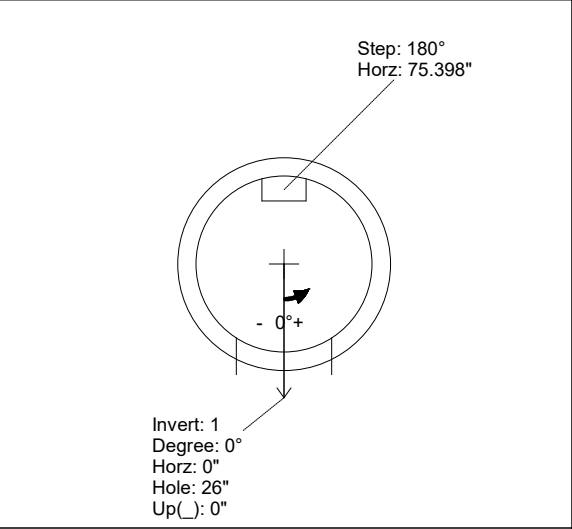
RIGHT-SIDE UP VIEW (int. dimensions)



Step: 180°
Horz: 75.398"

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

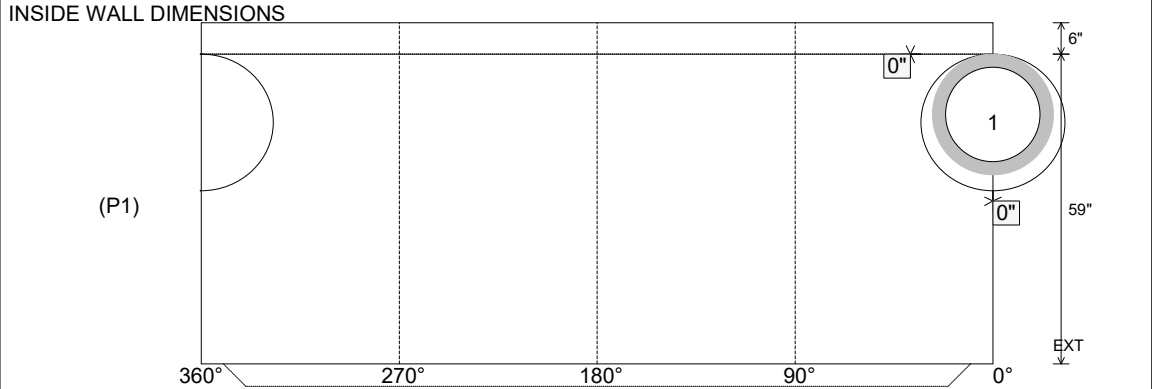
UPSIDE-DOWN VIEW (int. dimensions)



Step: 180°
Horz: 75.398"

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

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

6"

59"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 59" Height (Ext): 65"	Weight (Net): 5219 lb Volume (Net): 1.33cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:36:58 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R8A

P1 MH048BAVF

MH BASE Custom Ht T/n

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

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

P1) 48" - MH BASE Custom Ht T/n - 59"

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"

1) Hole - 26

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

0 lb

1368 lb

5219 lb

1075 lb

250 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 7912 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: 574.13'

Rim to Invert: 6.2'

Slack: 0.9"

Sump: 2.5"

Step Position: 180

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	567.93'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

