

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:37:07 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R19

P1 MH048BA42

MH BASE 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 T/n - 42"

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"

3) Hole - 26

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

0 lb

1368 lb

3565 lb

1075 lb

250 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 6258 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: 581.76'

Rim to Invert: 4.72'

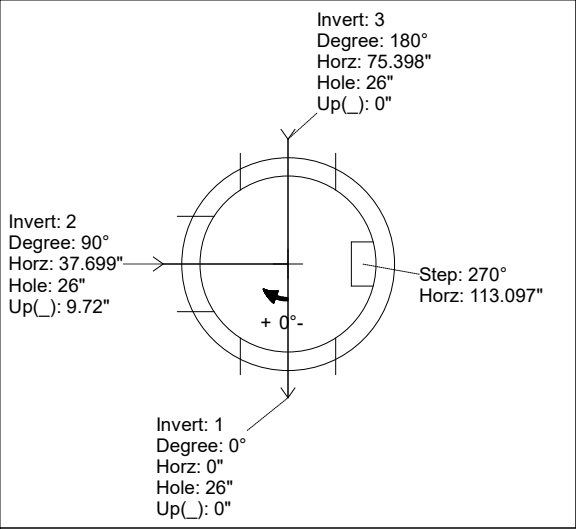
Slack: 0.14"

Sump: 2.5"

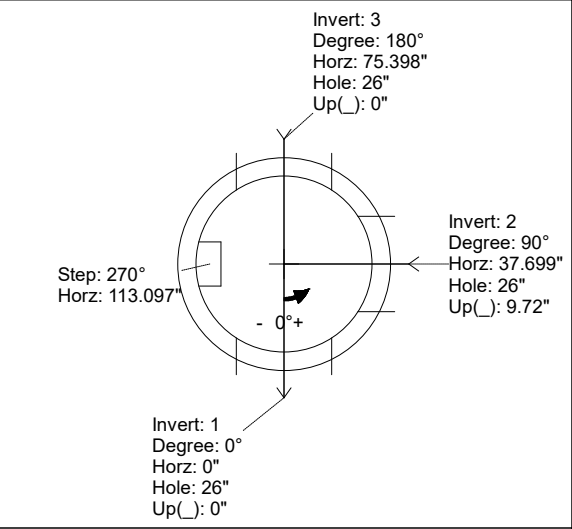
Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	577.04'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"
Invert 2	577.85'	90°	45.553"	18" RCP B WALL	23"	Hole 26	26"	27.476"	9.72"	0"
Invert 3	577.04'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

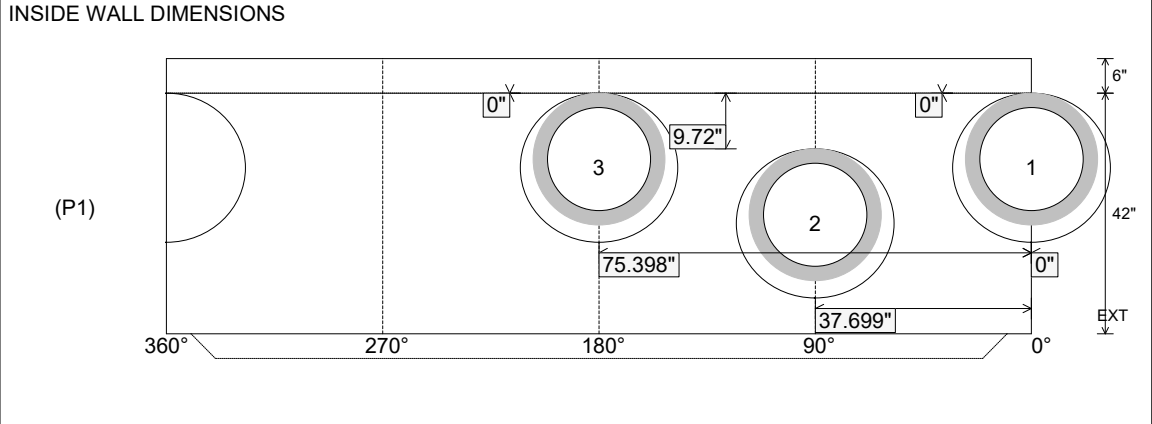
RIGHT-SIDE UP VIEW (int. dimensions)



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"

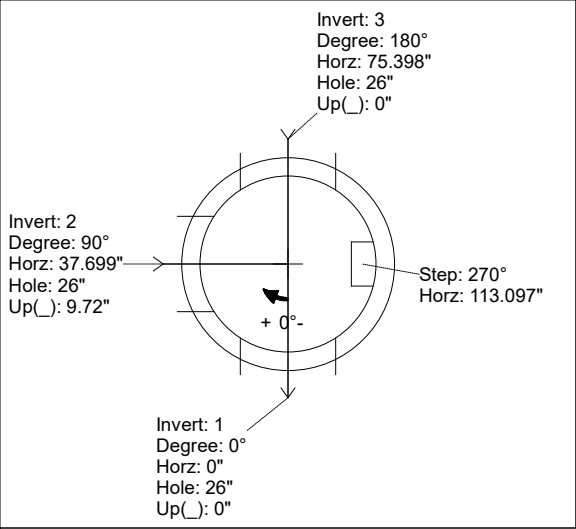
Height (Int): 42"

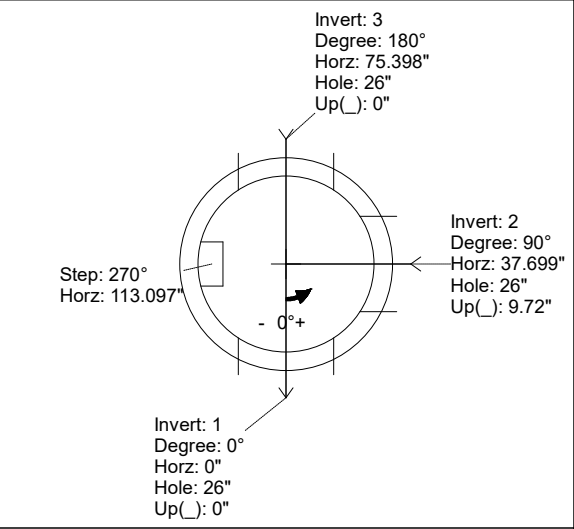
Height (Ext): 48"

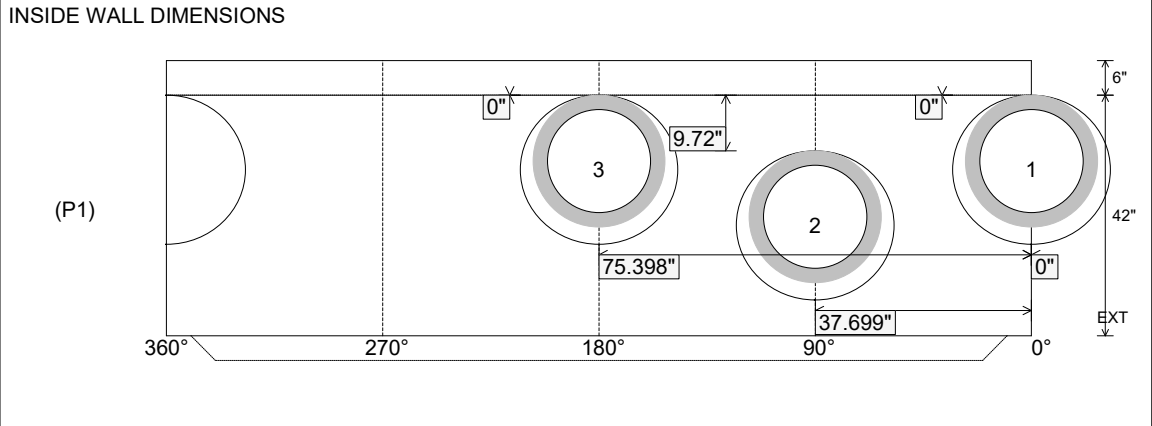
Weight (Net): 3565 lb

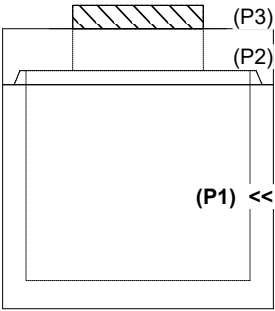
Volume (Net): 0.91cu.yd

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Invert 8											









Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 3565 lb Volume (Net): 0.91cu.yd
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