

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:36:52 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R4

P1 BX28280606VH

BOX BASE 6inW, 6inF, Variable Ht F/n

P2) 28" x 28" - CASTING HEIGHT - 5"

P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 45"

1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK

1) CASTING - JBS 3104-V SINGLE SET

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

1) Hole - 26

0 lb

3619 lb

450 lb

250 lb

0 lb

0 lb

Structure Total: 4319 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. CASTING BY ICAST (JBS-3104 SINGLE SET).

REINFORCING PER ASTM A615 (GRADE 60).

- WALLS (As .31) #5 BARS AT 12" C.C.E.W.

- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 574.02'

Rim to Invert: 4.02'

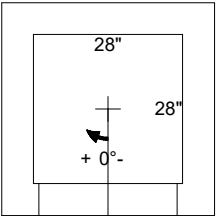
Slack: 0.74"

Sump: 2.5"

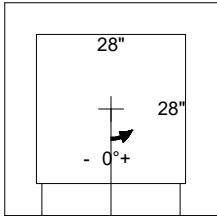
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	570'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
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

(P1)

Left

Back (28")

Right (28")

Front

6"

45"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 6"

Height (Int): 45"

Height (Ext): 51"

Weight (Net): 3619 lb

Volume (Net): 0.92cu.yd

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Invert channel drawing

4" Thick flat storm invert

Rim: 574.02'

Rim to Invert: 4.02'

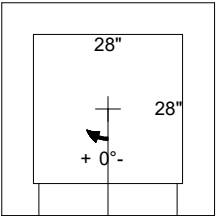
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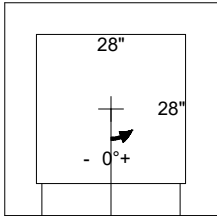
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Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(): 0"

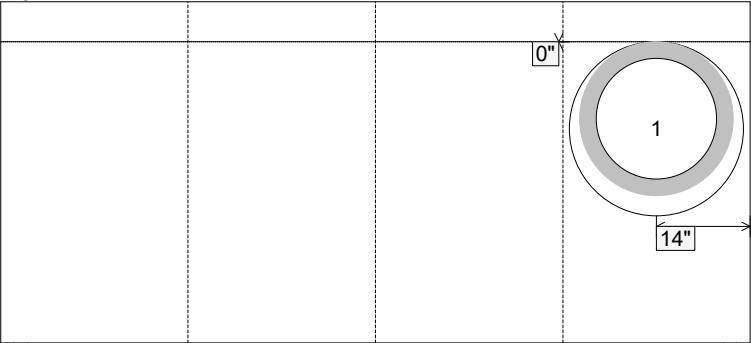
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(): 0"

INSIDE WALL DIMENSIONS

(P1)



LeftBack (28")Right (28")Front

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 6"

Height (Int): 45"

Height (Ext): 51"

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