

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:46:24 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R27A

P2 BX2828-06R-VH

BOX RISER 6inW, Variable Ht F/G

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

P2) 28" x 28" - BOX RISER 6inW, Variable Ht F/G - 18"

P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht T/n - 35"

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

1) CASTING - JBS 3104-V SINGLE SET

2) 28" x 28" - Conseal CS-102 1.00"

1) Hole - 26

0 lb

1232 lb

2935 lb

450 lb

250 lb

0 lb

0 lb

Structure Total: 4867 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: 577.67' Rim to Invert: 4.67' Slack: 0.54" Sump: 2.5" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

28"

+

28"

+ 0°

INSIDE WALL DIMENSIONS

Front

Right (28")

Back (28")

Left

(P2)

EXT

18"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 18"

Height (Ext): 18"

Weight (Net): 1232 lb

Volume (Net): 0.32cu.yd