

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:36:53 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R5

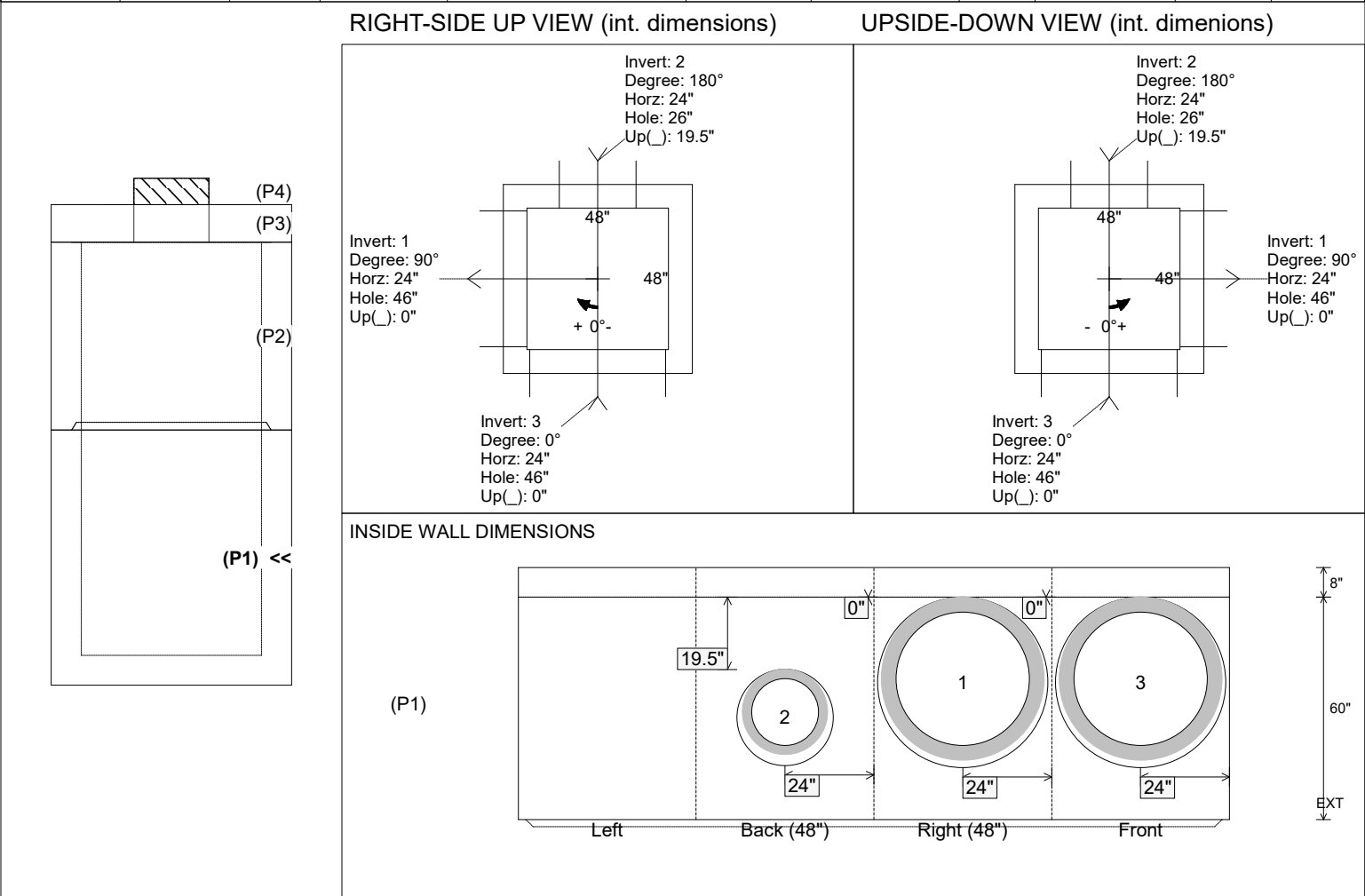
P1 BX4848-08BA60

BOX BASE 8inW, 8inF T/n

P4) 20" x 34" - CASTING HEIGHT - 7" P3) 48" x 48" - BX FLAT LID 8"W - TDOT 10SB (20"x34" Hole) F/F - 10" P2) 48" x 48" - BOX RISER 8inW, Variable Ht F/G - 50" P1) 48" x 48" - BOX BASE 8inW, 8inF T/n - 60" 1) 48" x 48" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3123 MODIFIED SET 2) 48" x 48" - Conseal CS-102 1.00" 2) Hole - 46 1) Hole - 26 Structure Total:					0 lb	Structure Notes: 1. PER TDOT D-CB-10SB / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3123 MOD SET). REINFORCING PER ASTM A615 (GRADE 60). ** SEE TDOT STD DRAWING D-CB-10SB ** - TOP SLAB - DBL MAT #5 BARS. - WALLS (As .47) #5 BARS AT 8" C.C.E.W. - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.
					2866 lb	
					7519 lb	
					9184 lb	
					450 lb	
					250 lb	
					0 lb	
					0 lb	
					0 lb	

					20269 lb	
Rim: 568.98' Rim to Invert: 10.27' Slack: 0.24" Sump: 4" Step Position:						

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	558.71'	90°	32"	36" RCP B WALL	44"	Hole 46	46"	46"	0"	0"
Invert 2	560.21'	180°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	19.5"	0"
Invert 3	558.71'	0°	32"	36" RCP B WALL	44"	Hole 46	46"	46"	0"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 60" Height (Ext): 68"	Weight (Net): 9184 lb Volume (Net): 2.35cu.yd
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P4) 20" x 34" - CASTING HEIGHT - 7"

P3) 48" x 48" - BX FLAT LID 8"W - TDOT 10SB (20"x34" Hole) F/F - 10"

P2) 48" x 48" - BOX RISER 8inW, Variable Ht F/G - 50"

P1) 48" x 48" - BOX BASE 8inW, 8inF T/n - 60"

1) 48" x 48" - STORM INVERT CHANNEL (FLAT) - 4" THK

1) CASTING - JBS 3123 MODIFIED SET

2) 48" x 48" - Conseal CS-102 1.00"

2) Hole - 46

1) Hole - 26

0 lb

2866 lb

7519 lb

9184 lb

450 lb

250 lb

0 lb

0 lb

0 lb

Structure Total: 20269 lb

Structure Notes:

1. PER TDOT D-CB-10SB / ASTM C913 SPEC'S.

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

3. CASTING BY ICAST (JBS-3123 MOD SET).

REINFORCING PER ASTM A615 (GRADE 60).

** SEE TDOT STD DRAWING D-CB-10SB **

- TOP SLAB - DBL MAT #5 BARS.

- WALLS (As .47) #5 BARS AT 8" C.C.E.W.

- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Rim: 568.98'

Rim to Invert: 10.27'

Slack: 0.24"

Sump: 4"

Step Position:

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

(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 180°
Horz: 24"
Hole: 26"
Up(): 19.5"

48"

48"

Invert: 1
Degree: 90°
Horz: 24"
Hole: 46"
Up(): 0"

+ 0°-

Invert: 3
Degree: 0°
Horz: 24"
Hole: 46"
Up(): 0"

Invert: 2
Degree: 180°
Horz: 24"
Hole: 26"
Up(): 19.5"

48"

48"

Invert: 1
Degree: 90°
Horz: 24"
Hole: 46"
Up(): 0"

- 0°+

Invert: 3
Degree: 0°
Horz: 24"
Hole: 46"
Up(): 0"

INSIDE WALL DIMENSIONS

19.5"

0"

0"

24"

24"

24"

24"

Left

Back (48")

Right (48")

Front

8"

60"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 60"
Height (Ext): 68"

Weight (Net): 9184 lb
Volume (Net): 2.35cu.yd