

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:37:09 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R21

P1 BX2828-06BA48

BOX BASE 6inW, 6inF F/n

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

P2) 28" x 28" - GRADE RING 6"W F/F - 3"

P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48"

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"

2) Hole - 26

0 lb

205 lb

3558 lb

450 lb

250 lb

0 lb

0 lb

Structure Total: 4463 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: 595.28'

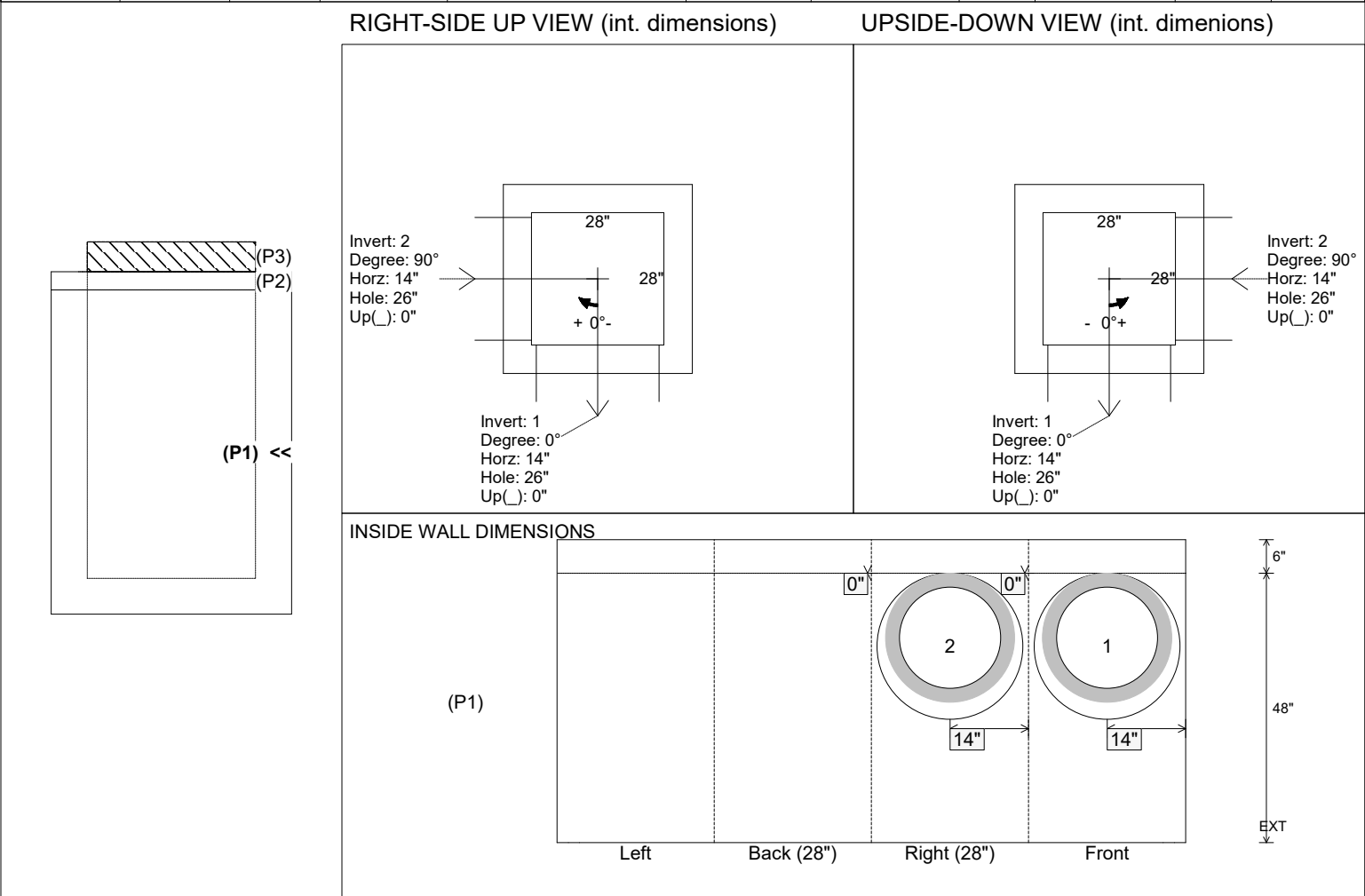
Rim to Invert: 4.61'

Slack: 1.82"

Sump: 2.5"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	590.67'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2	590.67'	90°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 48" Height (Ext): 54"	Weight (Net): 3558 lb Volume (Net): 0.91cu.yd
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Invert channel drawing

4" Thick flat storm invert

Rim: 595.28'

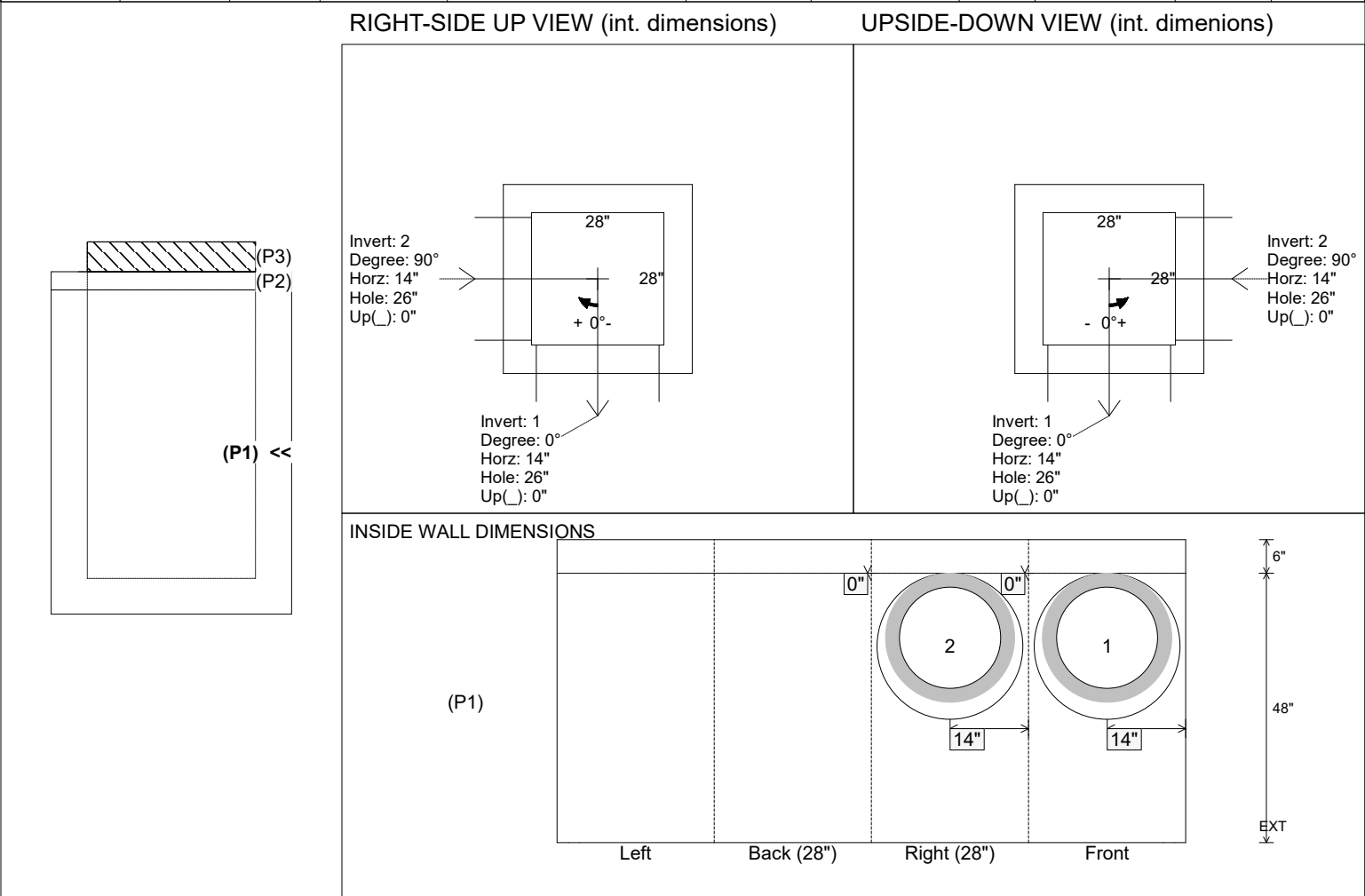
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