

**Job Name: 25-1401 Irwin Landing Ph. 1**  
**Job Location: Murfreesboro, TN**  
**Contractor: Bear Construction LLC**

PC: Erica Bradley  
TECH: S. Felletter  
Plant: Beaver Dam



Structure ID: R32

Spec: Storm

Type: BX 6inW, 6inF

Size: 28" x 28"

Rim: 581.76'

Invert: 577.98'

Rim to Invert: 3.78'

Sump: 2.5"

Floor (Top): 577.772'

Floor Height: 6"

Floor (Bot): 577.272'

Overall Height: 4.417'

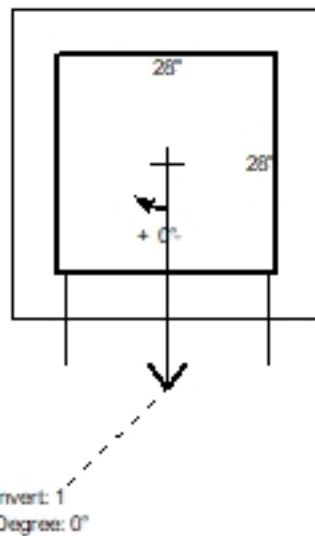
Slack: 0.86"

**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.

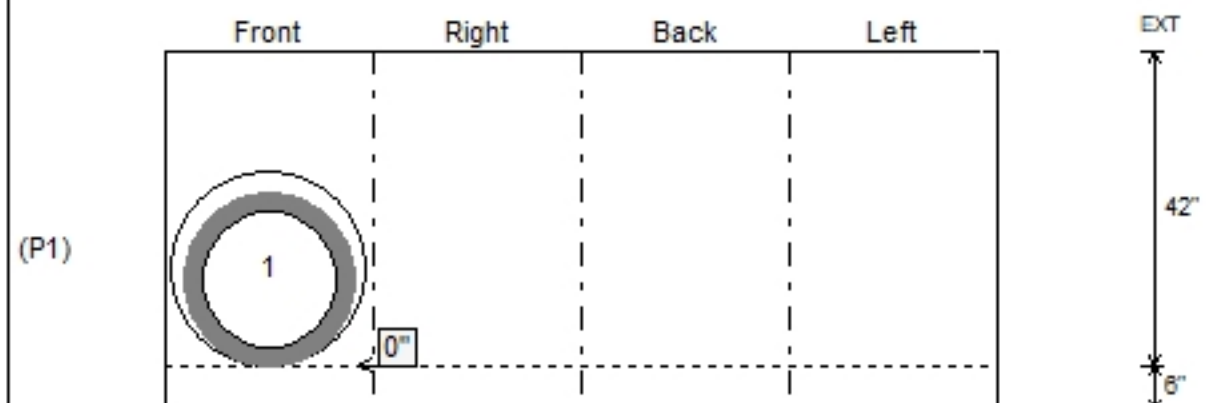
**STRUCTURE SUMMARY:**

|                                                     |         |
|-----------------------------------------------------|---------|
| P2) 28" x 28" - CASTING HEIGHT - 5"                 | 0 lb    |
| P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 42"       | 3414 lb |
| 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK | 450 lb  |
| 1) CASTING - JBS 3104-V SINGLE SET                  | 250 lb  |
| 1) 28" x 28" - Conesal CS-102 1.00"                 | 0 lb    |
| 1) Hole - 28                                        | 0 lb    |
| Structure Total:                                    | 4114 lb |



| Position | Elev    | Angle | Pipe           | Pipe OD | Hole | Connector | Up ( ) | Ref |
|----------|---------|-------|----------------|---------|------|-----------|--------|-----|
| Rim      | 581.76' |       |                |         |      |           |        |     |
| Reducer  |         |       |                |         |      |           |        |     |
| Invert 1 | 577.98' | 0°    | 18" RCP B WALL | 23"     | 28"  | Hole 28   | 0"     | P1  |
| Invert 2 |         |       |                |         |      |           |        |     |
| Invert 3 |         |       |                |         |      |           |        |     |
| Invert 4 |         |       |                |         |      |           |        |     |
| Invert 5 |         |       |                |         |      |           |        |     |
| Invert 6 |         |       |                |         |      |           |        |     |
| Invert 7 |         |       |                |         |      |           |        |     |
| Invert 8 |         |       |                |         |      |           |        |     |

**Default - Interior Dimensions**



Submittal Drawing  
6/10/2026 3:15:34 PM

SUBMITTAL  
APPROVED BY: