

**Job Name: 25-2511B - Blue Sky Sec 1 (Storm)**  
**Job Location: Clarksville, TN**  
**Contractor: Byard Construction, LLC**

PC: A. Chambers  
 TECH: J. Horsley - F  
 Plant: 100



Structure ID: Q  
 Spec: Storm  
 Type: BX 8inW, 8inF  
 Size: 36" x 48"

Rim: 503.32'  
 Invert: 498.72'  
 Rim to Invert: 4.6'

Sump: 0"  
 Floor (Top): 498.72'  
 Floor Height: 8"

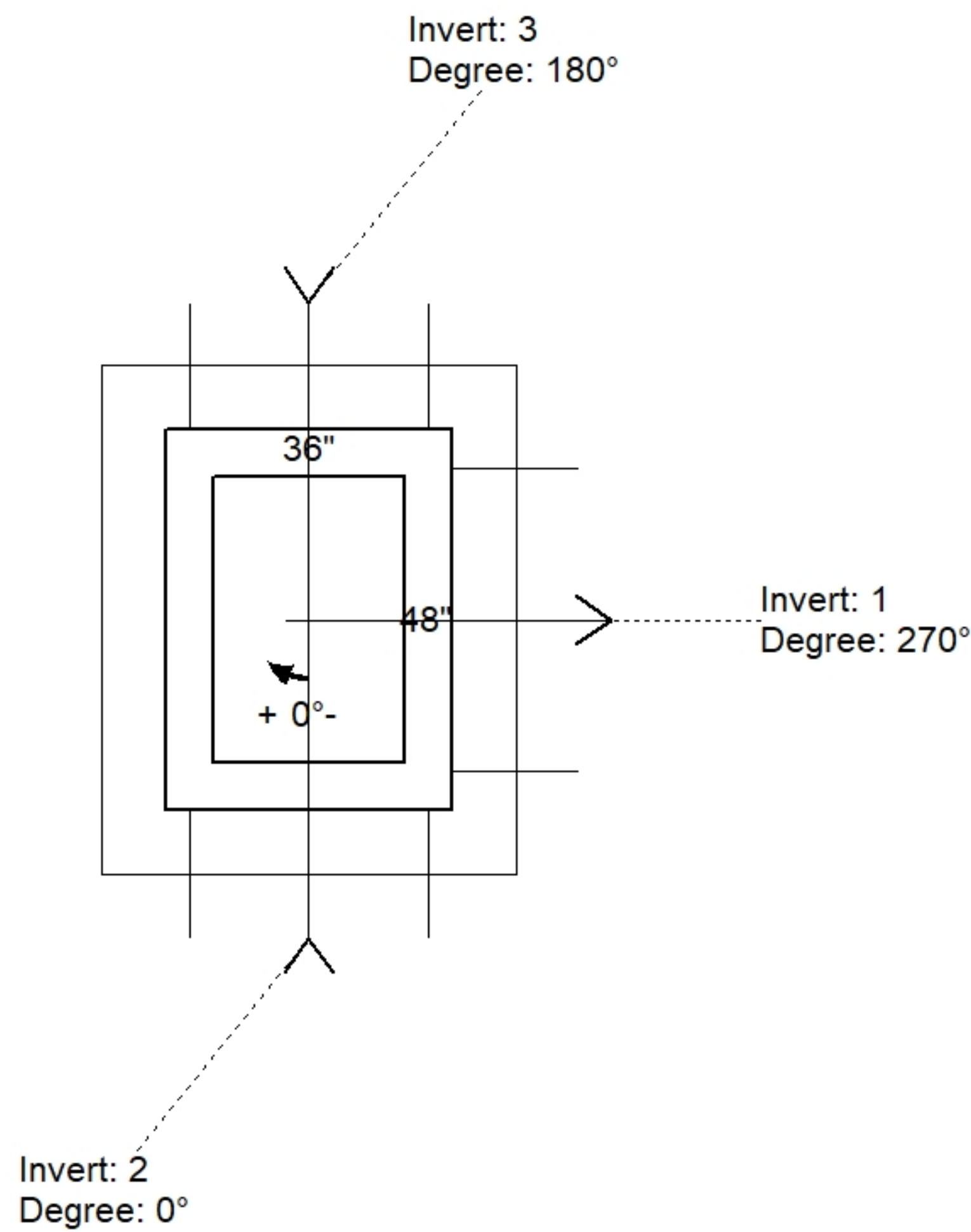
Floor (Bot): 498.053'  
 Overall Height: 5.25'  
 Slack: 0.2"

**Structure Notes:**

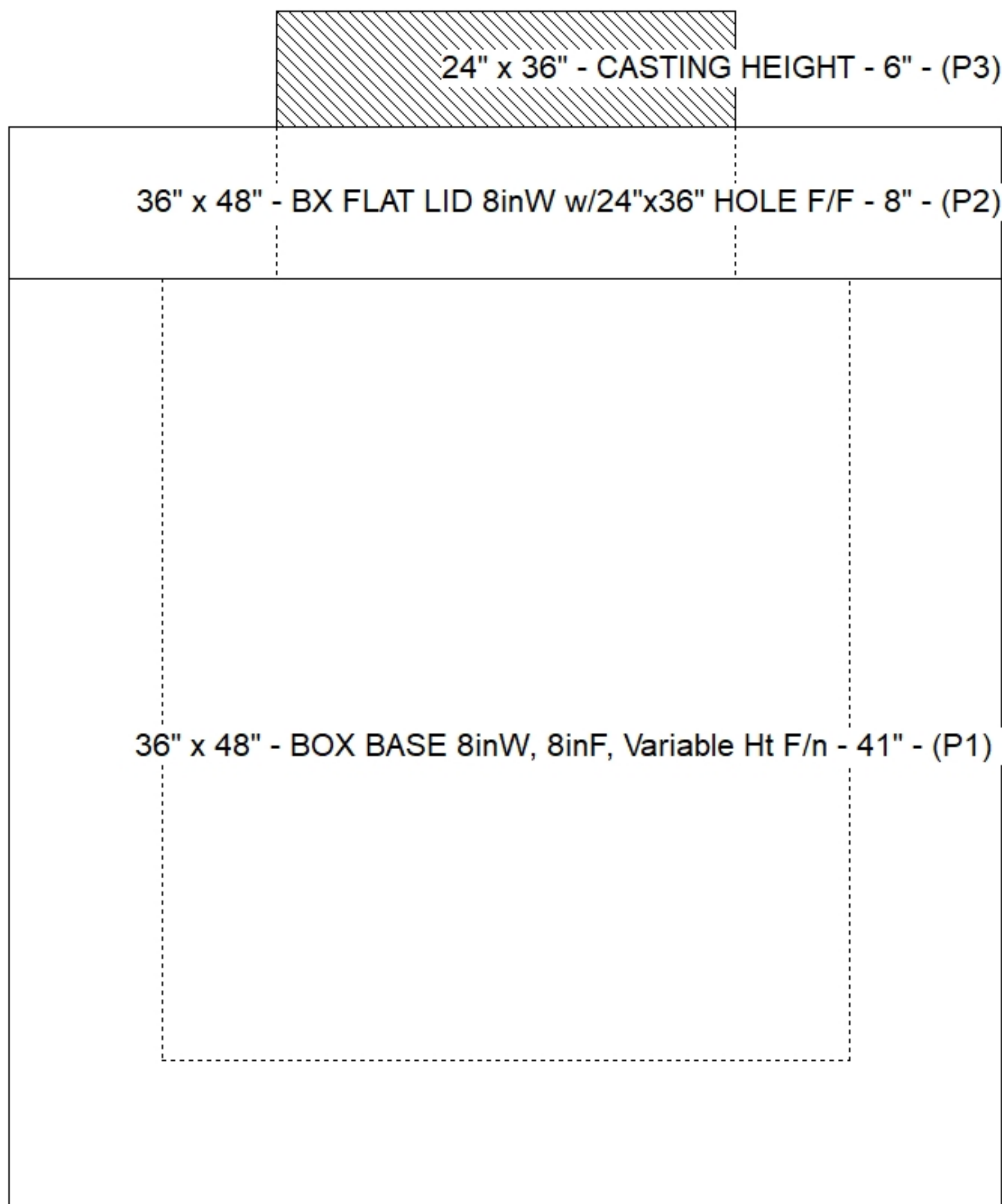
- PER ASTM C478 SPECIFICATIONS.
  - CONCRETE = 4,000 PSI AT 28 DAYS.
  - NO STEPS AND NO INVERT CHANNEL.
  - CASTING BY I-CAST (JBS 3080-V F/G/H).
- REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

**STRUCTURE SUMMARY:**

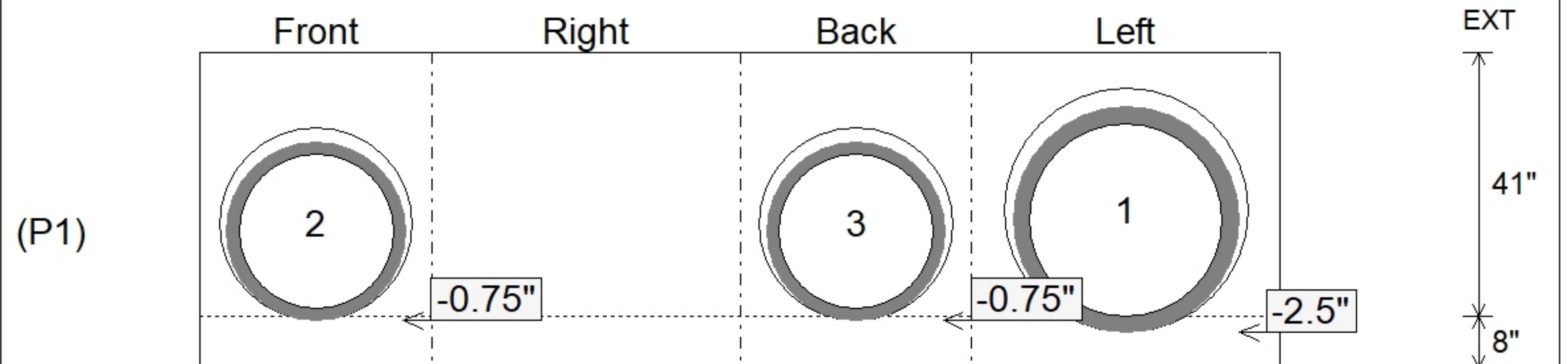
|  |                |
|--|----------------|
| P3) 24" x 36" - CASTING HEIGHT - 6"                        | 0 lb           |
| P2) 36" x 48" - BX FLAT LID 8inW w/24"x36" HOLE F/F - 8"   | 1654 lb        |
| P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 41" | 6028 lb        |
| 1) Conseal CS-102 1.00" (Single)                           | 0 lb           |
| 1) CASTING - JBS 3080-V SET (F/G/H)                        | 500 lb         |
| 1) 36" x 48" - SGL 1"x14.5' Butyl                          | 0 lb           |
| 1) Hole - 38   | 0 lb           |
| 2) Hole - 30   | 0 lb           |
| <b>Structure Total:</b>                                    | <b>8182 lb</b> |



| Position | Elev    | Angle | Pipe     | Pipe OD | Hole | Connector | Up (") | Ref |
|----------|---------|-------|----------|---------|------|-----------|--------|-----|
| Rim      | 503.32' |       |          |         |      |           |        |     |
| Reducer  |         |       |          |         |      |           |        |     |
| Invert 1 | 498.72' | 270°  | 30" HDPE | 35.1"   | 38"  | Hole 38   | -2.5"  | P1  |
| Invert 2 | 498.82' | 0°    | 24" HDPE | 27.8"   | 30"  | Hole 30   | -0.75" | P1  |
| Invert 3 | 498.82' | 180°  | 24" HDPE | 27.8"   | 30"  | Hole 30   | -0.75" | P1  |
| Invert 4 |         |       |          |         |      |           |        |     |
| Invert 5 |         |       |          |         |      |           |        |     |
| Invert 6 |         |       |          |         |      |           |        |     |
| Invert 7 |         |       |          |         |      |           |        |     |
| Invert 8 |         |       |          |         |      |           |        |     |



**Cast (Int. Dim.) - Interior Dimensions**



Submittal Drawing  
 11/17/2025 4:59:34 PM

SUBMITTAL  
 APPROVED BY: