

**Job Name: 25-2442 Nashville Pike Flow Meter**  
**Job Location: Gallatin, TN**  
**Contractor: Hayes Pipe Supply**

PC: E. Bradley  
 TECH: J. Coppage  
 Plant: Beaver Dam



Structure ID: **VAULT**  
 Spec: Vaults  
 Type: Vault 8inW, 8inF  
 Size: 60" x 72"

Rim: 6'  
 Invert: 0'  
 Rim to Invert: 6'

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

Floor (Bot): -0.667'  
 Overall Height: 6.667'  
 Slack: 0"

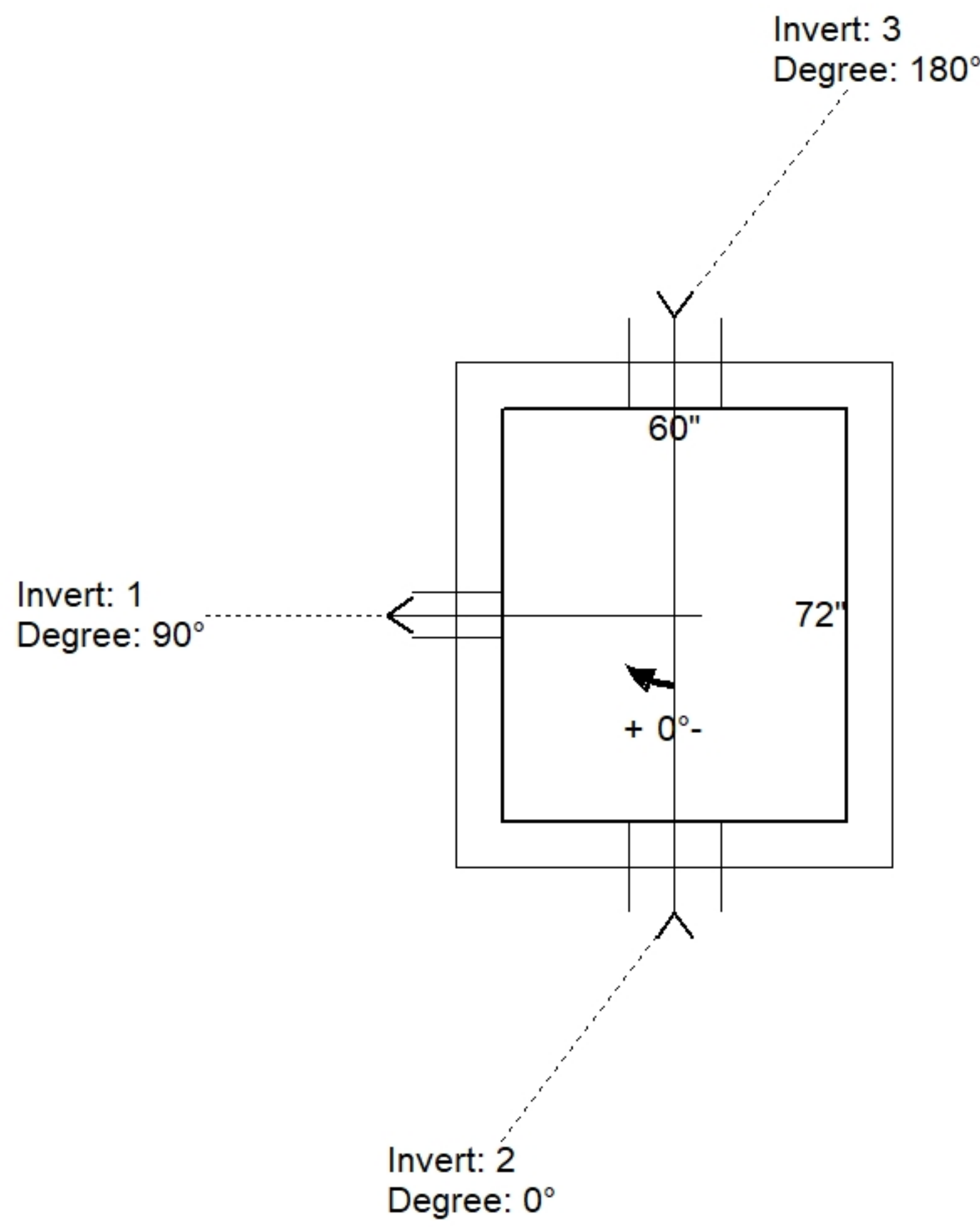
**Structure Notes:**

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. (HATCH PROVIDED BY OTHERS)

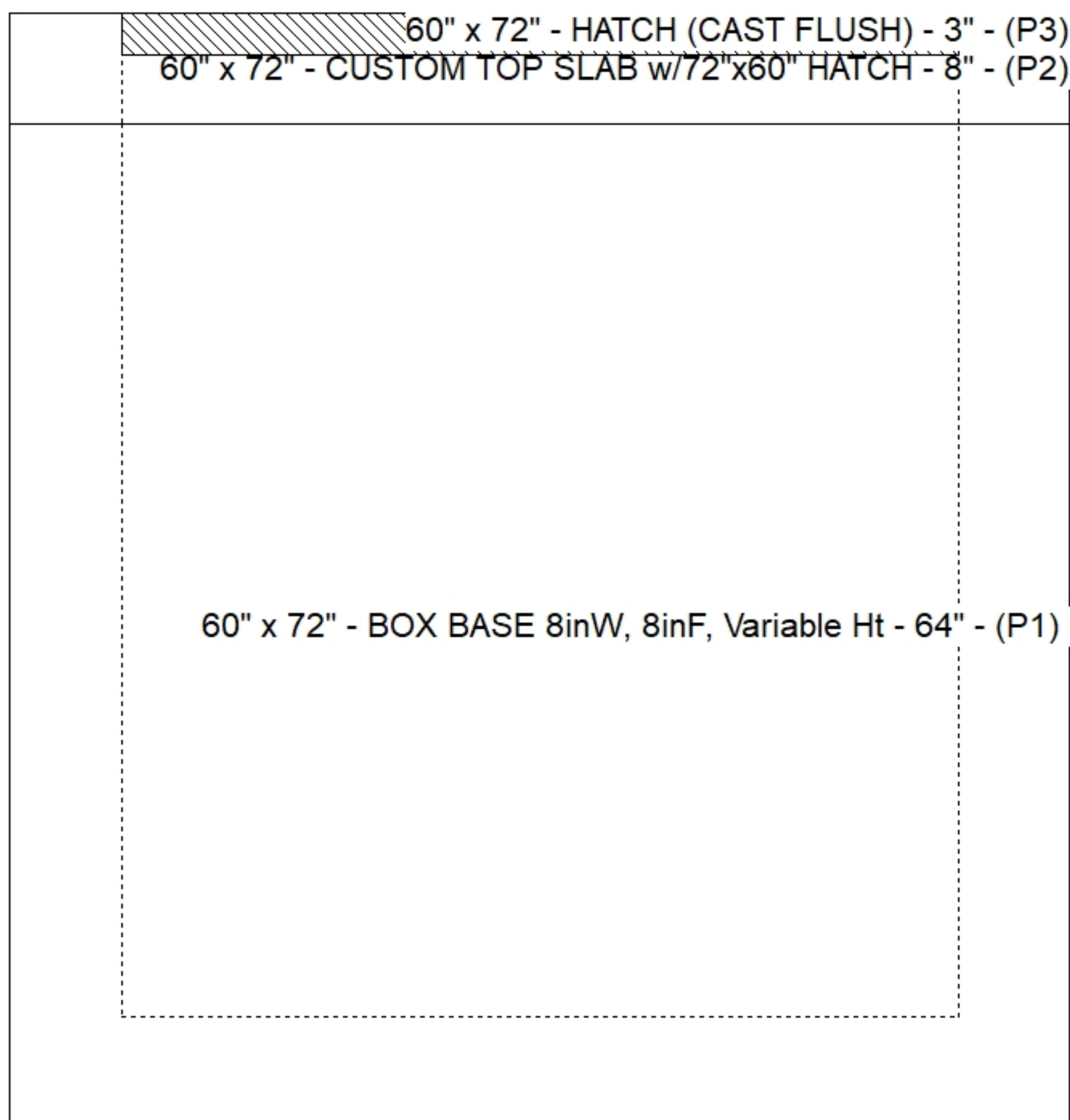
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB #4 BARS AT 6" C.C.E.W.  
 - WALLS #4 BARS AT 8" C.C.E.W.  
 - FLOOR #4 BARS AT 8" C.C.E.W.

**STRUCTURE SUMMARY:**

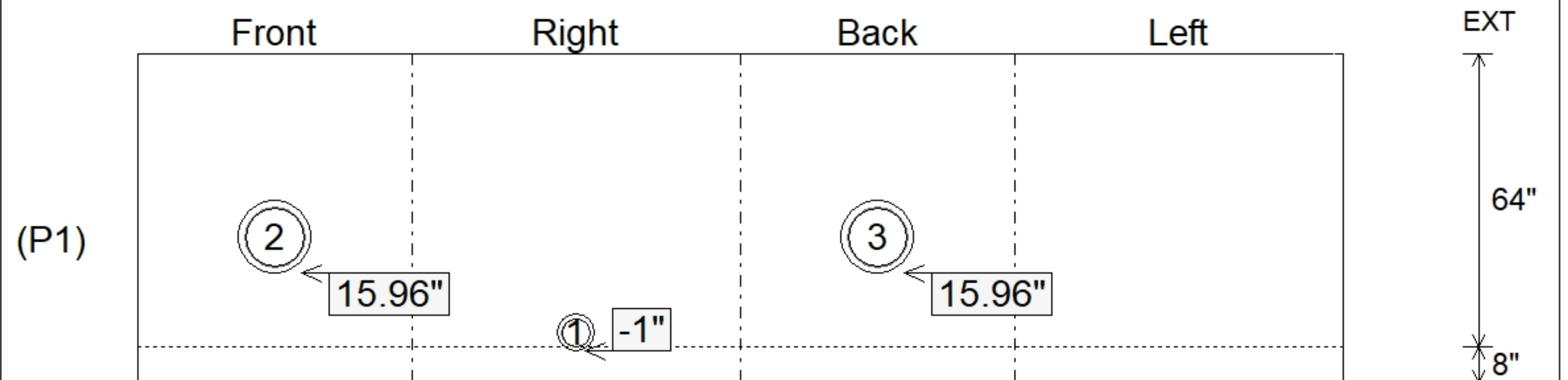
|  |                 |
|--|-----------------|
| P3) 60" x 72" - HATCH (CAST FLUSH) - 3"                | 100 lb          |
| P2) 60" x 72" - CUSTOM TOP SLAB w/72"x60" HATCH - 8"   | 2850 lb         |
| P1) 60" x 72" - BOX BASE 8inW, 8inF, Variable Ht - 64" | 16903 lb        |
| 1) SECONDARY POUR - WALLS                              | 0 lb            |
| 1) Hole - 8  | 0 lb            |
| 2) Hole - 16   | 0 lb            |
| <b>Structure Total:</b>                                | <b>19853 lb</b> |



| Position | Elev  | Angle | Pipe         | Pipe OD | Hole | Connector | Up ( ) | Ref |
|----------|-------|-------|--------------|---------|------|-----------|--------|-----|
| Rim      | 6'    |       |              |         |      |           |        |     |
| Reducer  |       |       |              |         |      |           |        |     |
| Invert 1 | 0'    | 90°   | 6" PVC SDR35 | 6.25"   | 8"   | Hole 8    | -1"    | P1  |
| Invert 2 | 1.47' | 0°    | 12" DI       | 13.2"   | 16"  | Hole 16   | 15.96" | P1  |
| Invert 3 | 1.47' | 180°  | 12" DI       | 13.2"   | 16"  | Hole 16   | 15.96" | P1  |
| Invert 4 |       |       |              |         |      |           |        |     |
| Invert 5 |       |       |              |         |      |           |        |     |
| Invert 6 |       |       |              |         |      |           |        |     |
| Invert 7 |       |       |              |         |      |           |        |     |
| Invert 8 |       |       |              |         |      |           |        |     |



**Default - Interior Dimensions**



Submittal Drawing  
 3/25/2026 8:16:36 AM

SUBMITTAL  
 APPROVED BY: