

**Job Name: 25-1511 Halfhill Estates Ph.3**  
**Job Location: Nicholasville, KY**  
**Contractor: Perdue Environmental Contracting Co., Inc.**

PC: J. Jarvis  
 TECH: J. Horsley  
 Plant: Beaver Dam



Structure ID: **CBI 2002**  
 Spec: KYTC  
 Type: CBI TYPE A (15')  
 Size: 36" x 36"

Rim: 881.2'  
 Invert: 871.95'  
 Rim to Invert: 9.25'

Sump: 0"  
 Floor (Top): 871.95'  
 Floor Height: 8"

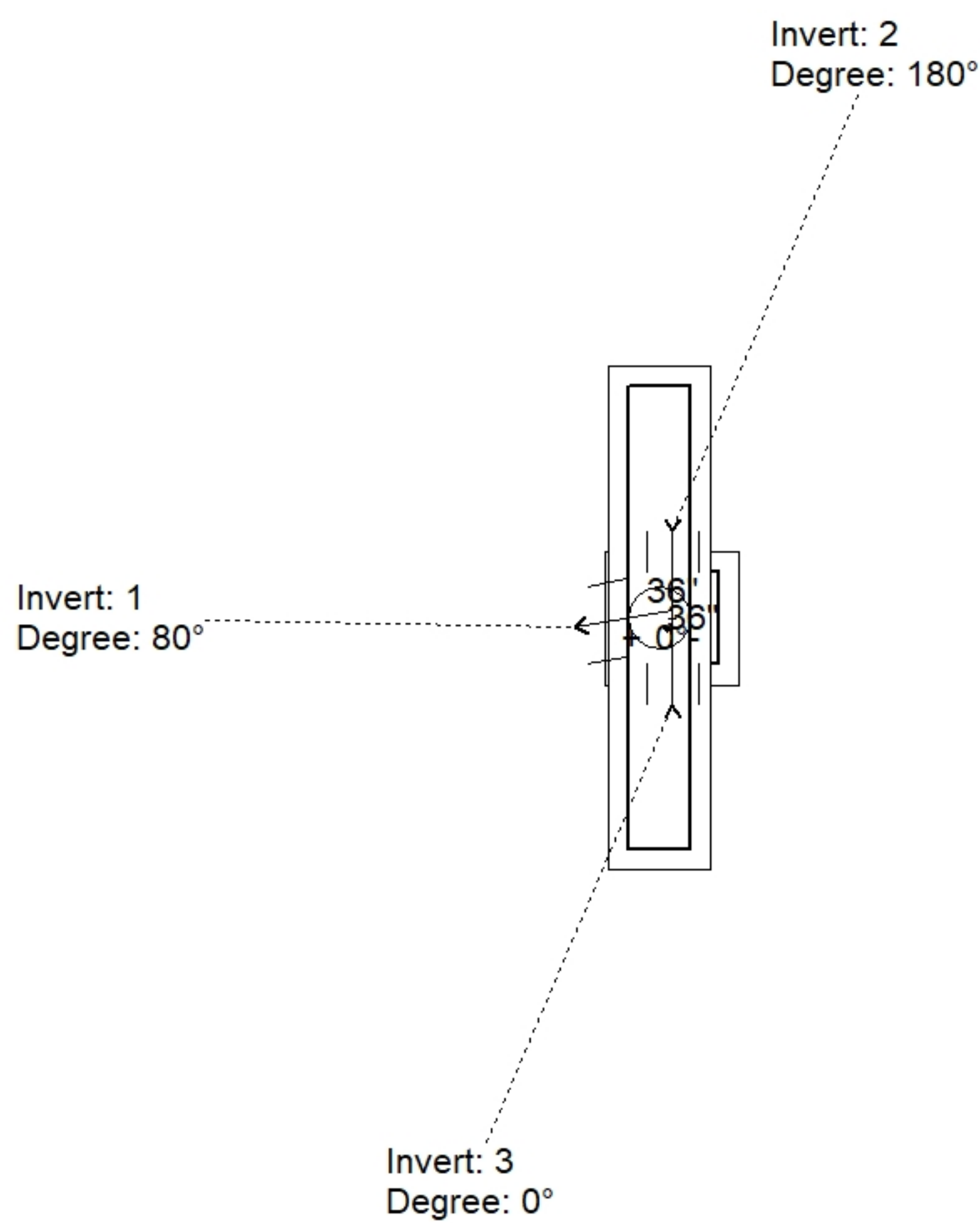
Floor (Bot): 871.283'  
 Overall Height: 9.917'  
 Slack: 0"

**Structure Notes:**

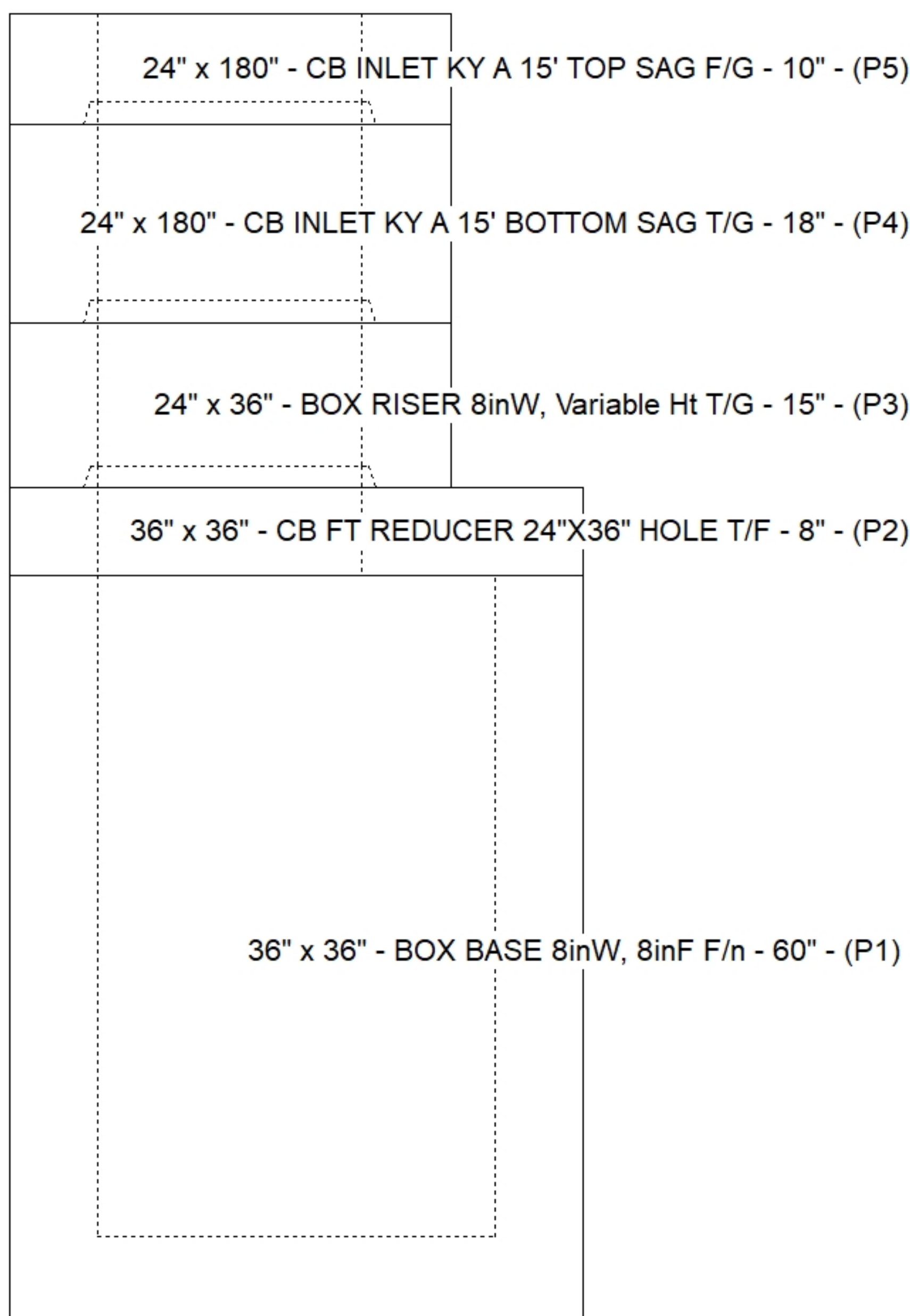
- \*\* KYTC STATE PROJECT \*\*
- PER KYTC CBI TYPE A / ASTM C913 SPEC'S.
  - CONCRETE = 4,000 PI AT 28 DAYS.
  - NO INVERT CHANNEL.
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W.
  - TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W. (DBL MAT)
  - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
  - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

**STRUCTURE SUMMARY:**

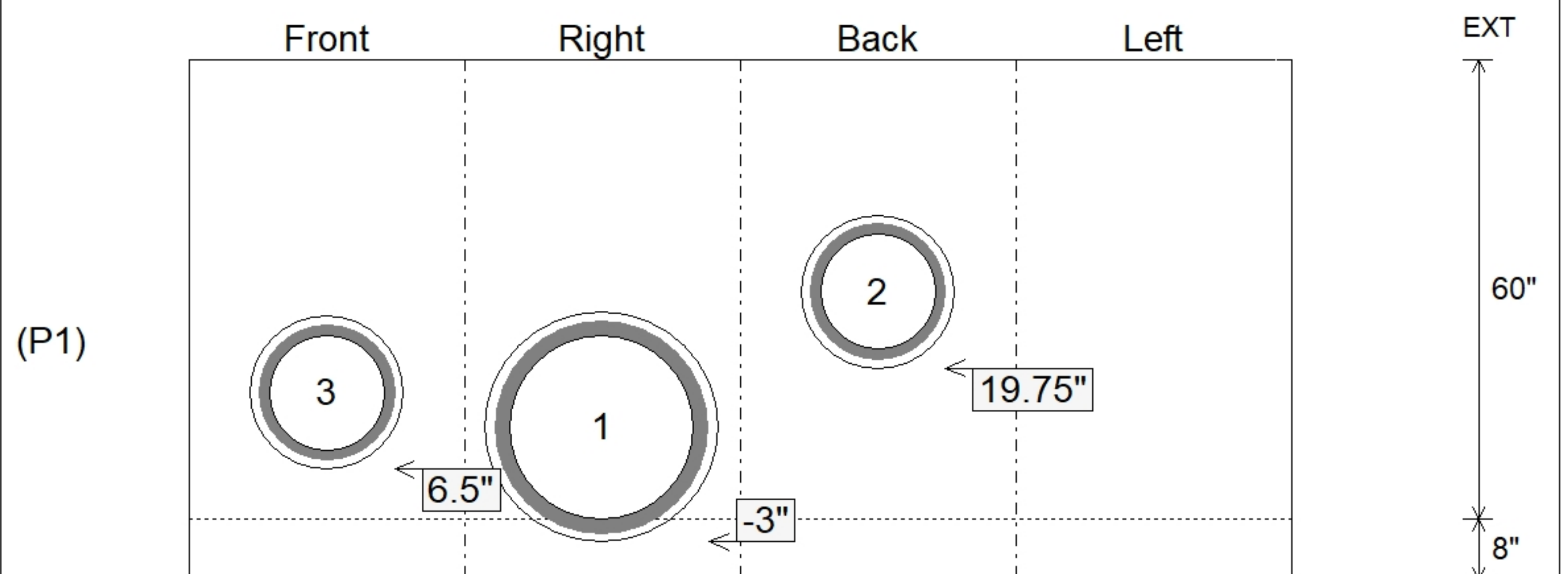
|   |                 |
|---|-----------------|
| P5) 24" x 180" - CB INLET KY A 15' TOP SAG F/G - 10"    | 5759 lb         |
| P4) 24" x 180" - CB INLET KY A 15' BOTTOM SAG T/G - 18" | 10034 lb        |
| P3) 24" x 36" - BOX RISER 8inW, Variable Ht T/G - 15"   | 1531 lb         |
| P2) 36" x 36" - CB FT REDUCER 24"X36" HOLE T/F - 8"     | 1235 lb         |
| P1) 36" x 36" - BOX BASE 8inW, 8inF F/n - 60"           | 8000 lb         |
| 1) CASTING - HOE KY-206 F/C (KY TY1)                    | 206 lb          |
| 1) 36" x 36" - Conseal CS-102 1.00"                     | 0 lb            |
| 2) 24" x 36" - Conseal CS-102 1.00"                     | 0 lb            |
| 1) Hole - 30  | 0 lb            |
| 2) Hole - 20  | 0 lb            |
| <b>Structure Total:</b>                                 | <b>26765 lb</b> |



| Position | Elev    | Angle | Pipe     | Pipe OD | Hole | Connector | Up ( ) | Ref |
|----------|---------|-------|----------|---------|------|-----------|--------|-----|
| Rim      | 881.2'  |       |          |         |      |           |        |     |
| Reducer  | 876.95' |       |          |         |      |           |        |     |
| Invert 1 | 871.95' | 80°   | 24" HDPE | 27.8"   | 30"  | Hole 30   | -3"    | P1  |
| Invert 2 | 873.8'  | 180°  | 15" HDPE | 17.6"   | 20"  | Hole 20   | 19.75" | P1  |
| Invert 3 | 872.7'  | 0°    | 15" HDPE | 17.6"   | 20"  | Hole 20   | 6.5"   | P1  |
| Invert 4 |         |       |          |         |      |           |        |     |
| Invert 5 |         |       |          |         |      |           |        |     |
| Invert 6 |         |       |          |         |      |           |        |     |
| Invert 7 |         |       |          |         |      |           |        |     |
| Invert 8 |         |       |          |         |      |           |        |     |



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



Submittal Drawing  
 12/16/2025 4:34:49 PM

SUBMITTAL  
 APPROVED BY: