

**Job Name: 24-2677 - Barkley Regional Airport Runway 5-23**  
**Job Location: Ashland, KY**  
**Contractor: Jim Smith Contracting Co, LLC**

PC: J. Jarvis  
 TECH: M. Biliter  
 Plant: Beaver Dam



Structure ID: **K1 - INLET TY 2**

Spec: Storm  
 Type: BX 12inW, 12inF  
 Size: 60" x 72"

Rim: 394.5'  
 Invert: 390'  
 Rim to Invert: 4.5'

Sump: 3.5"  
 Floor (Top): 389.708'  
 Floor Height: 12"

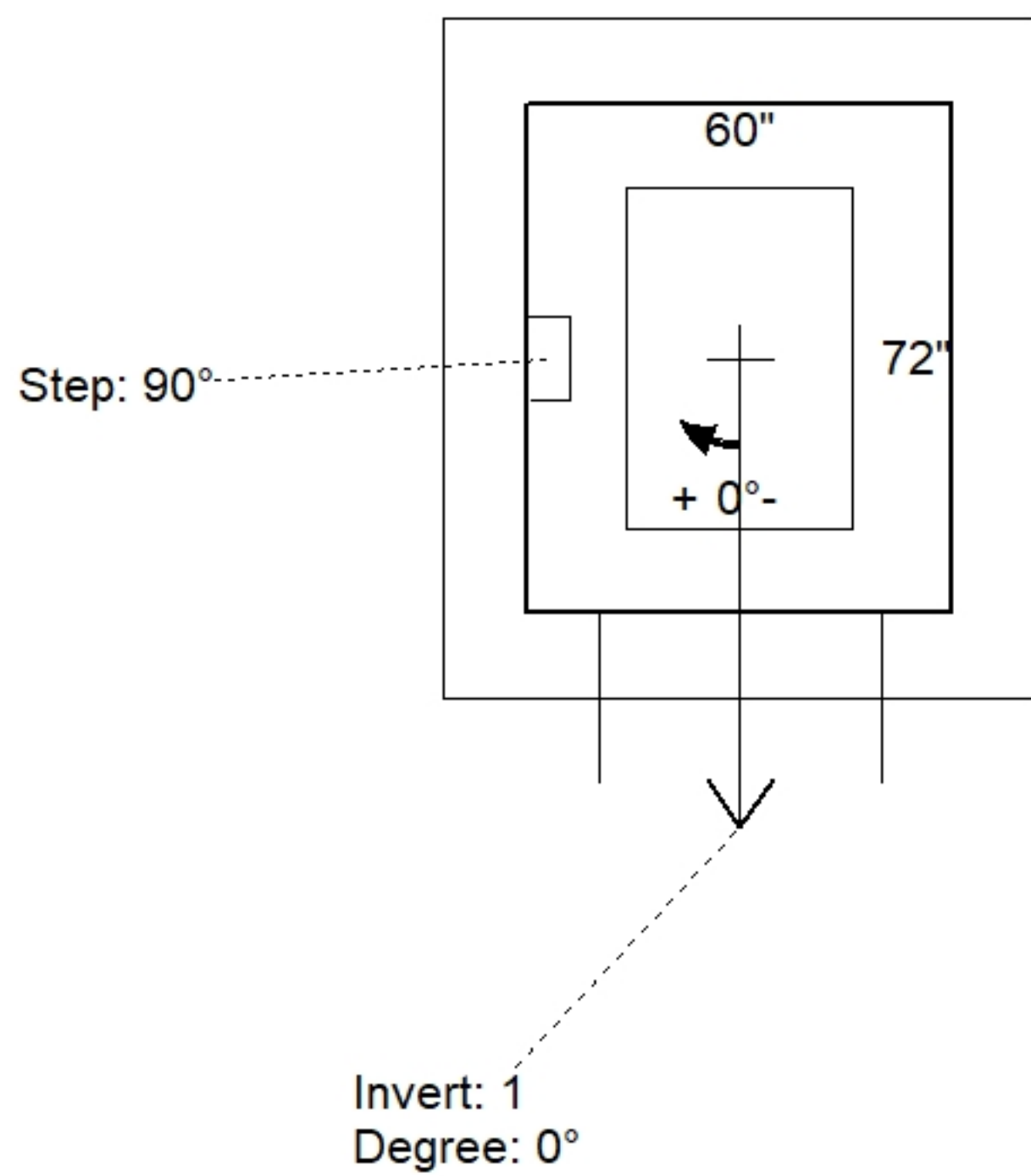
Floor (Bot): 388.708'  
 Overall Height: 5.75'  
 Slack: 0.5"

**Structure Notes:**

- PER ASTM C913 SPECIFICATIONS.
- CONCRETE = 5,000 PSI AT 28 DAYS.
- REINFORCING PER ASTM A615 (GRADE 60)
  - TOP - SEE SEPARATE DETAIL
  - WALLS - #5 BAR AT 12" C/C E.W. (DOUBLE MAT) w/ ADD'L #5 BAR DIAGONALS AROUND THE PIPE OPENINGS.
  - FLOOR - #5 BAR AT 7" C/C E.W.
- CASTING - EJ 5436 DOUBLE ASSEMBLY CAST INTO FLAT TOP BY ICAST.

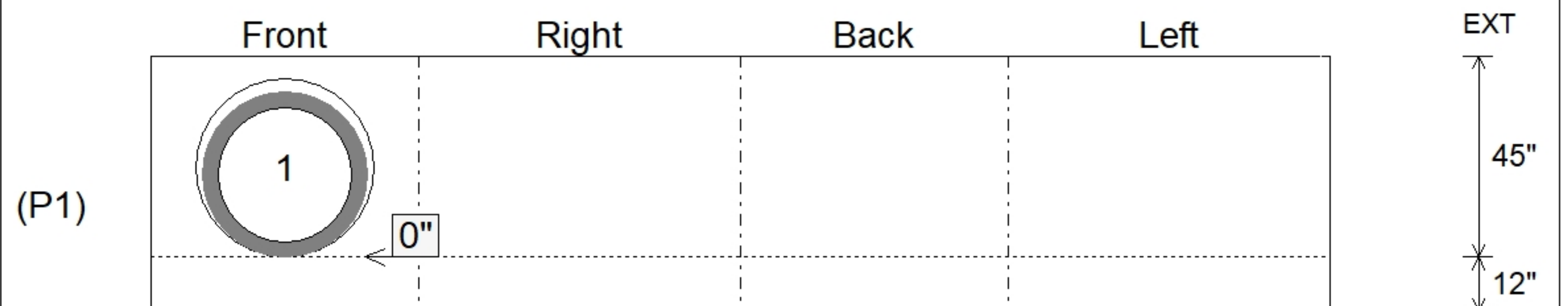
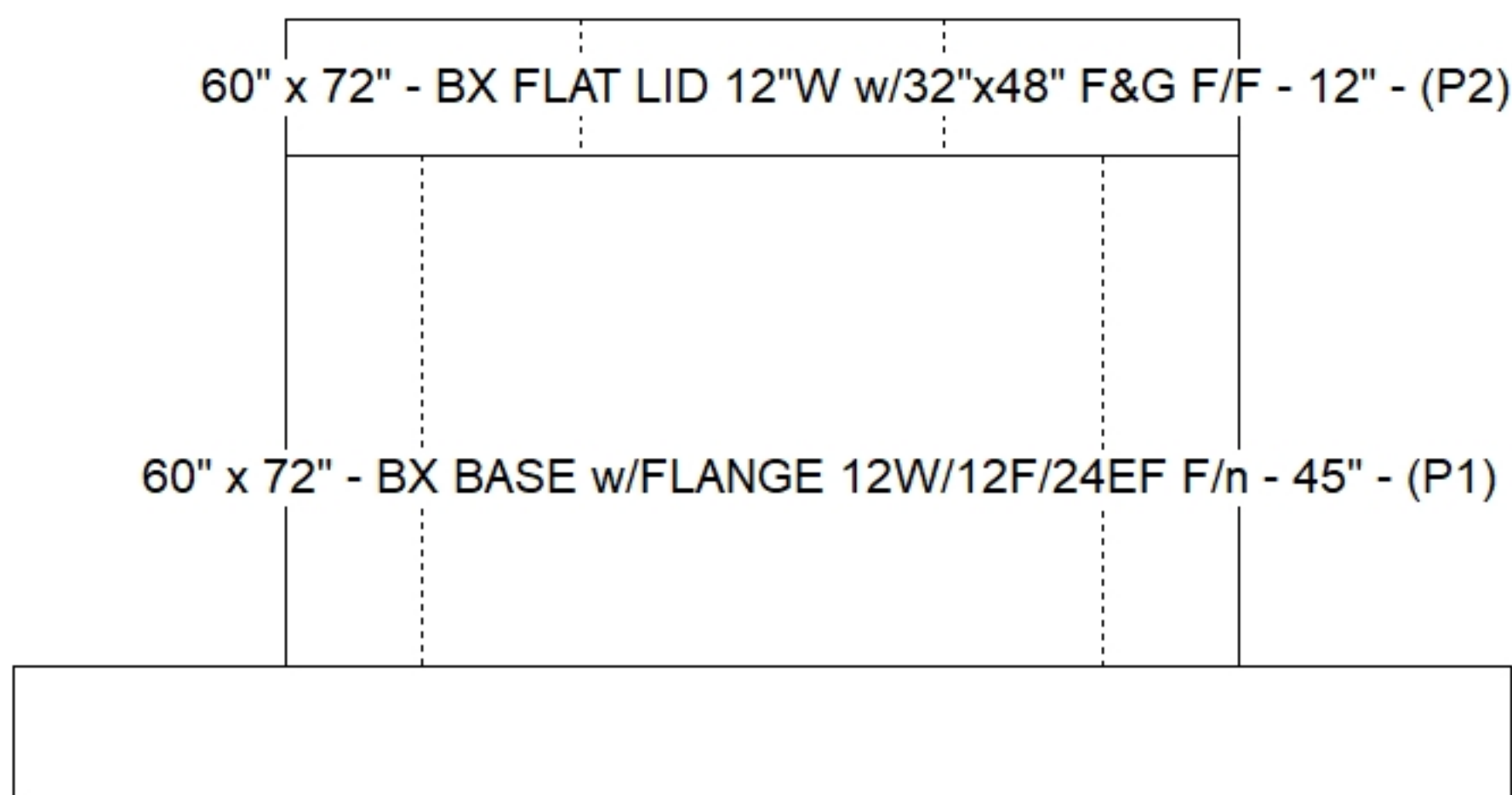
**STRUCTURE SUMMARY:**

P2) 60" x 72" - BX FLAT LID 12"W w/32"x48" F&G F/F - 12"	6573 lb
P1) 60" x 72" - BX BASE w/FLANGE 12W/12F/24EF F/n - 45"	32012 lb
1) Hole - 40	0 lb
3) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>38585 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	394.5'							
Reducer								
Invert 1	390'	0°	30" RCP B WALL	37"	40"	Hole 40	0"	P1
Invert 2								
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

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



Submittal Drawing  
 10/15/2025 6:38:41 PM

SUBMITTAL  
 APPROVED BY: