

**Job Name: 25-4272 Chestnut Street Utility Rehab**  
**Job Location: Evansville, IN**  
**Contractor: Bowen Engineering Corporation**

PC: A. Chambers  
 TECH: J. Copping  
 Plant: Beaver Dam



Structure ID: 106  
 Spec: Storm  
 Type: BX 8inW, 8inF  
 Size: 24" x 36"

Rim: 377.32'  
 Invert: 372.87'  
 Rim to Invert: 4.45'

Sump: 2"  
 Floor (Top): 372.703'  
 Floor Height: 8"

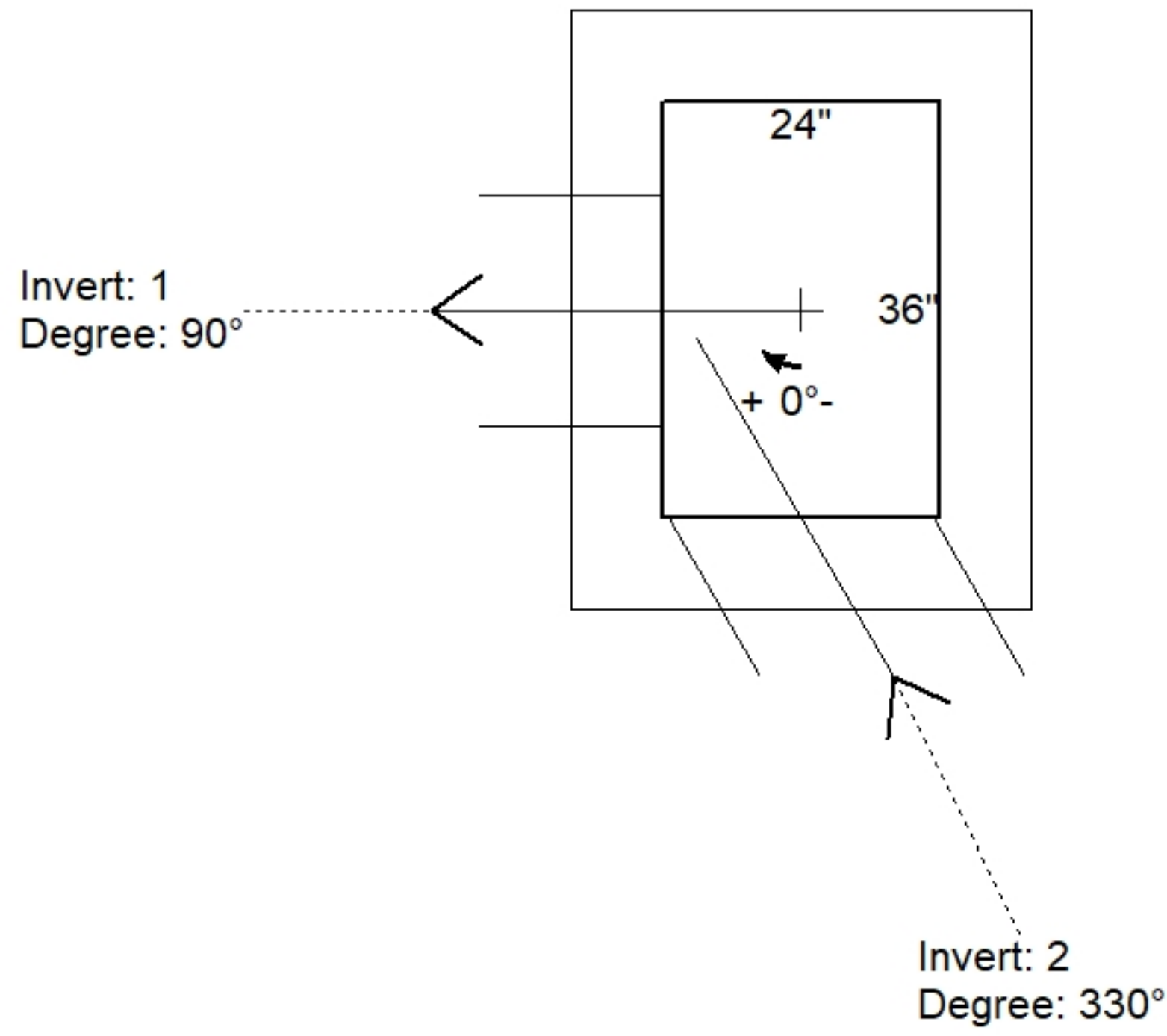
Floor (Bot): 372.037'  
 Overall Height: 5'  
 Slack: 3.4"

**Structure Notes:**

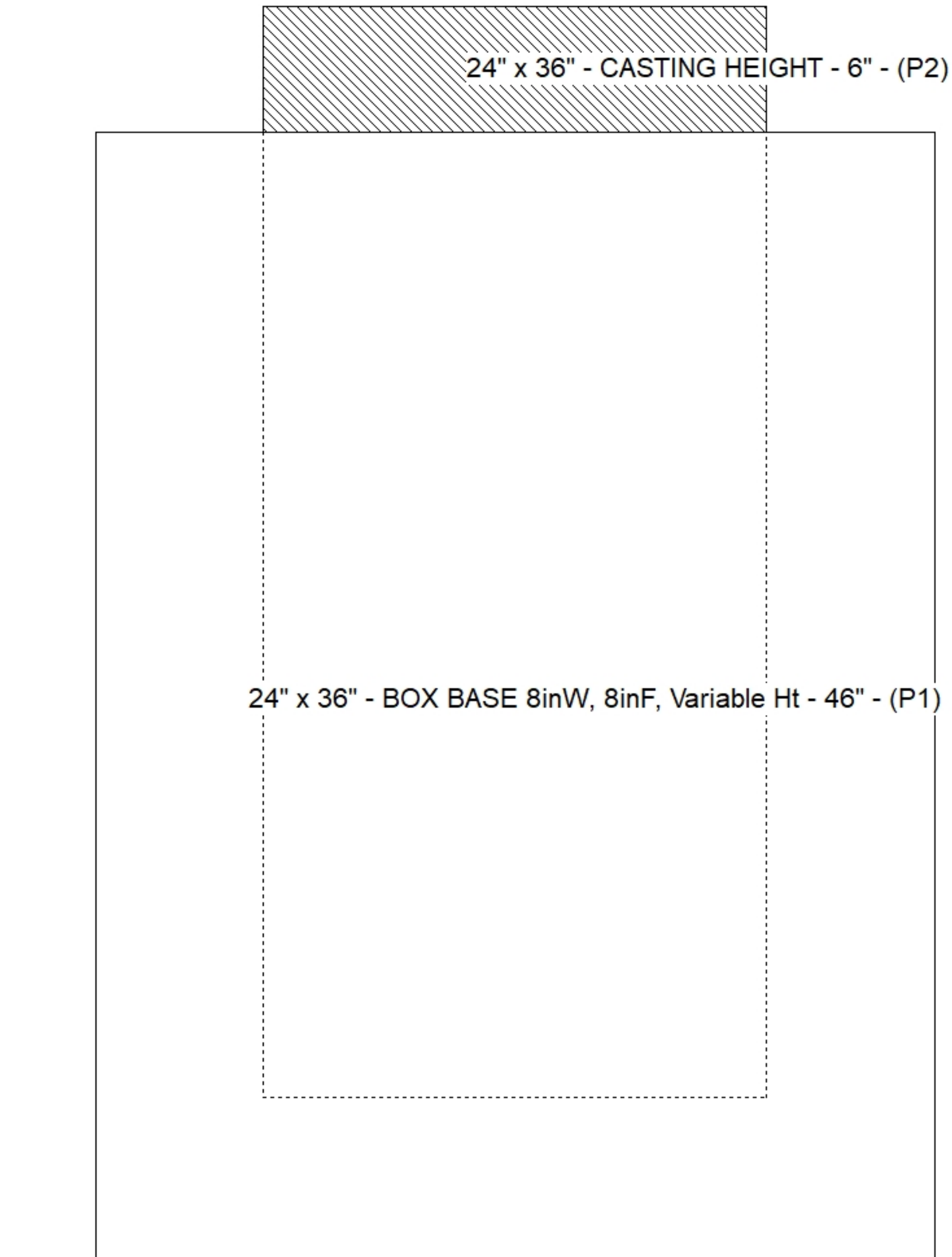
1. JR HOE HOE-525-LV PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

**STRUCTURE SUMMARY:**

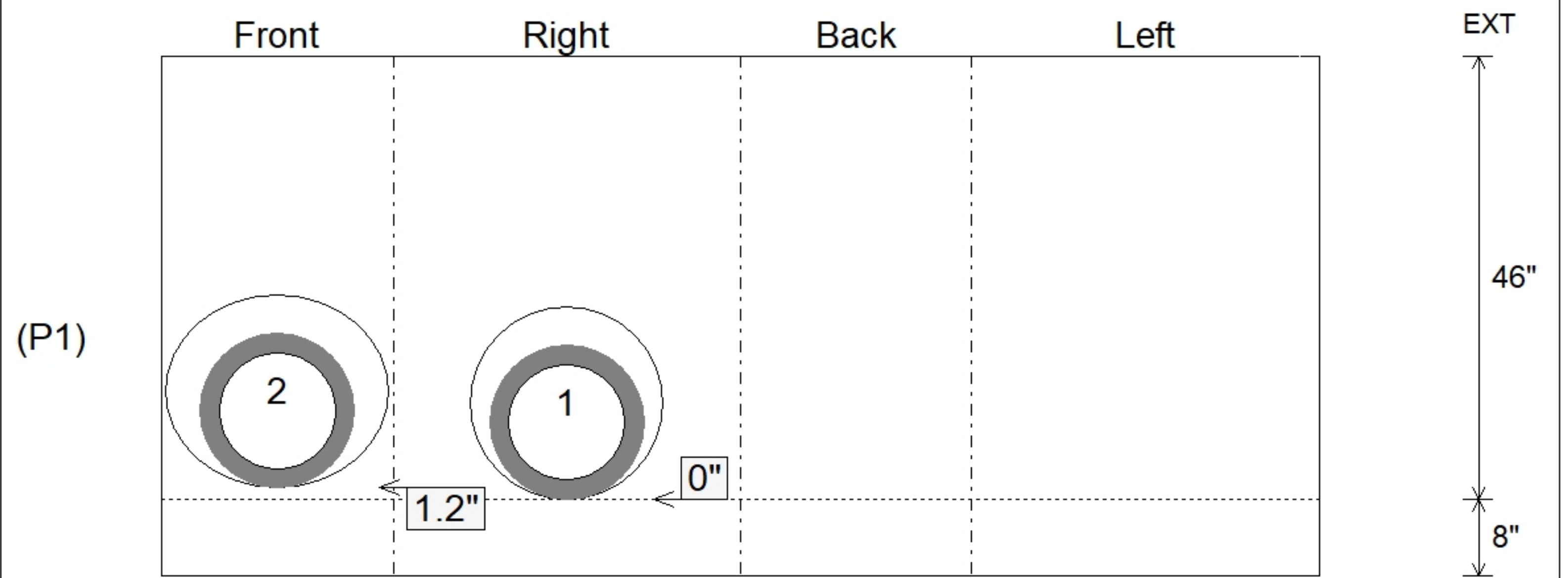
P2) 24" x 36" - CASTING HEIGHT - 6"	0 lb
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 46"	5636 lb
1) CASTING - HOE 525 LV SET (F/G/H)	442 lb
1) 24" x 36" - SGL 1"x14.5' Butyl	0 lb
2) Hole - 20	0 lb
<b>Structure Total:</b>	<b>6078 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	377.32'							
Reducer								
Invert 1	372.87'	90°	12" RCP B WALL	16"	20"	Hole 20	0"	P1
Invert 2	372.97'	330°	12" RCP B WALL	16"	20"	Hole 20	1.2"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



**Default - Interior Dimensions**



Submittal Drawing  
 10/27/2025 7:34:01 AM

SUBMITTAL  
 APPROVED BY: