

**Job Name: 24-2287 Freedom Senior Apartments**  
**Job Location: Lexington, KY**  
**Contractor: Lagco Inc.**

PC: Celina Goff  
 TECH: Evan Niles  
 Plant: Beaver Dam, KY



Structure ID: **SCI-102**  
 Spec: Storm  
 Type: BX 8inW, 8inF  
 Size: 24" x 36"

Rim: 1005.35'  
 Invert: 1001.1'  
 Rim to Invert: 4.25'

Sump: 0"  
 Floor (Top): 1001.1'  
 Floor Height: 8"

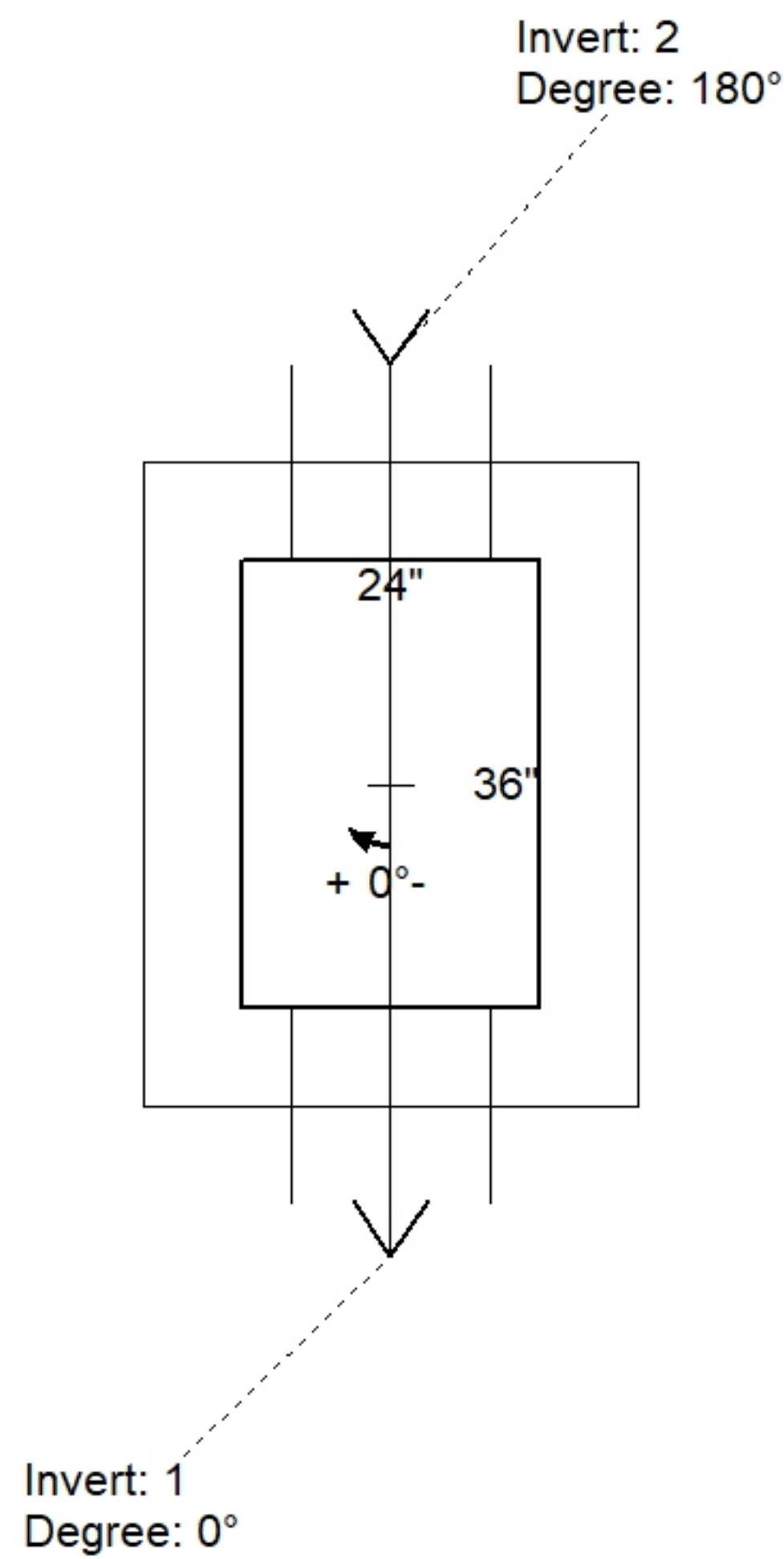
Floor (Bot): 1000.433'  
 Overall Height: 4.917'  
 Slack: 0"

**Structure Notes:**

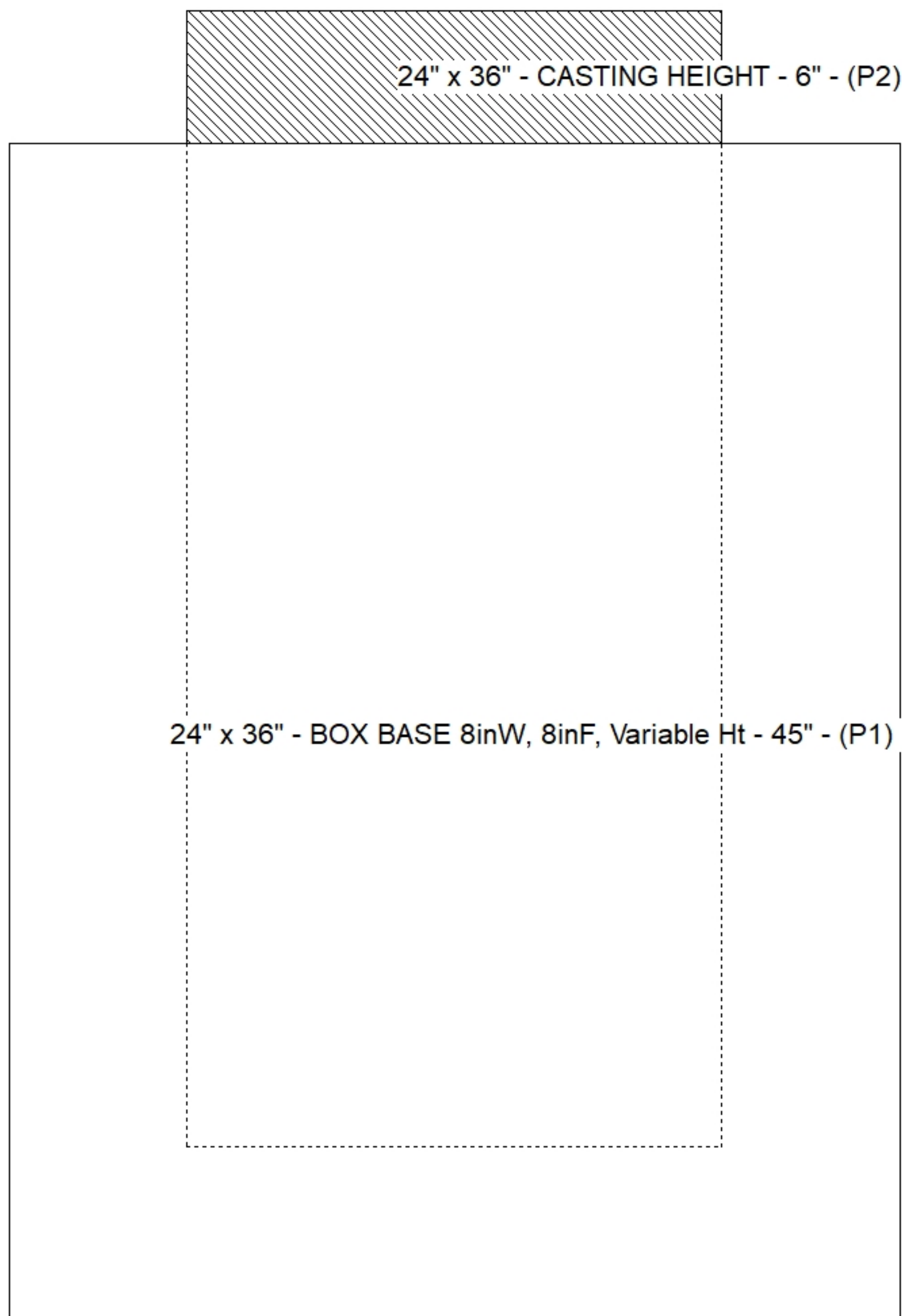
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.
5. CASTING: JRH 525 F/G/H BY ICAST

**STRUCTURE SUMMARY:**

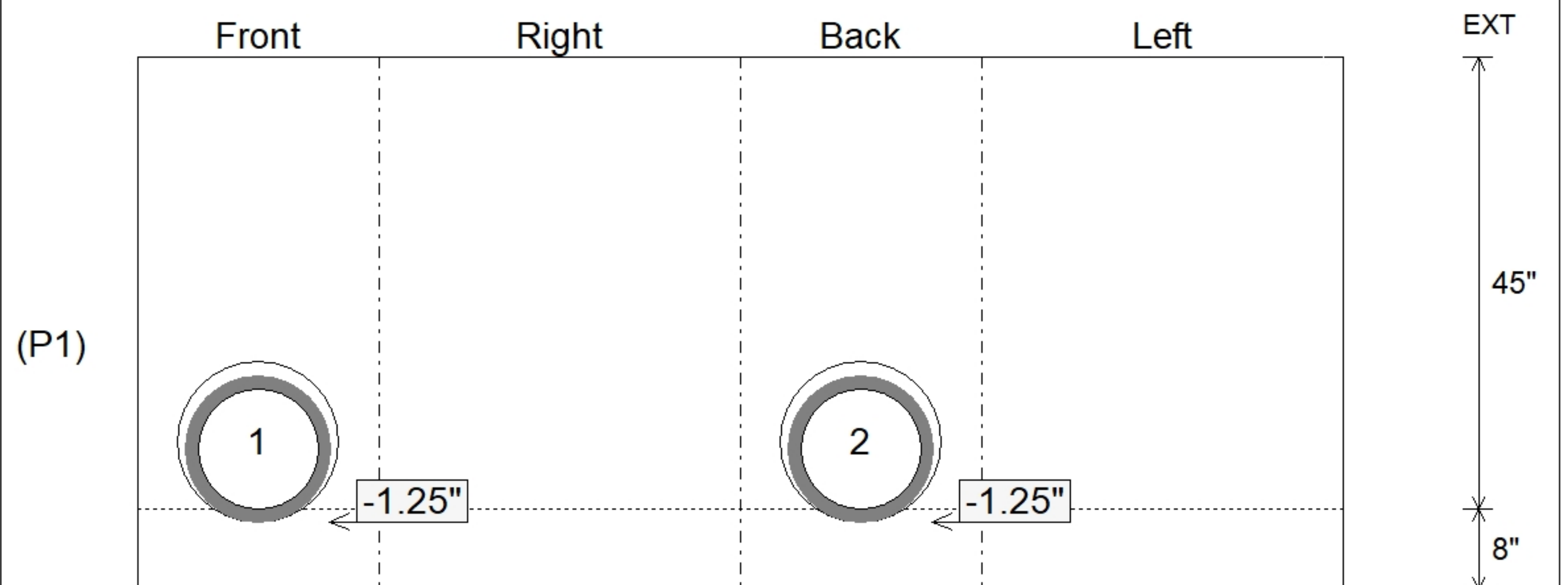
P2) 24" x 36" - CASTING HEIGHT - 6"	0 lb
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 45"	5718 lb
1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)	442 lb
1) 24" x 36" - SGL 1"x14.5' Butyl	0 lb
2) Hole - 16	0 lb
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<b>Structure Total:</b>	<b>6160 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	1005.35'							
Reducer								
Invert 1	1001.1'	0°	12" HDPE	14.5"	16"	Hole 16	-1.25"	P1
Invert 2	1001.1'	180°	12" HDPE	14.5"	16"	Hole 16	-1.25"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



**Default - Interior Dimensions**



Submittal Drawing  
 10/14/2025 11:55:23 AM

SUBMITTAL  
 APPROVED BY: