

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

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



Structure ID: 105
 Spec: Storm
 Type: BX 8inW, 8inF
 Size: 24" x 48"

Rim: 378.58'
 Invert: 374'
 Rim to Invert: 4.58'

Sump: 2"
 Floor (Top): 373.833'
 Floor Height: 8"

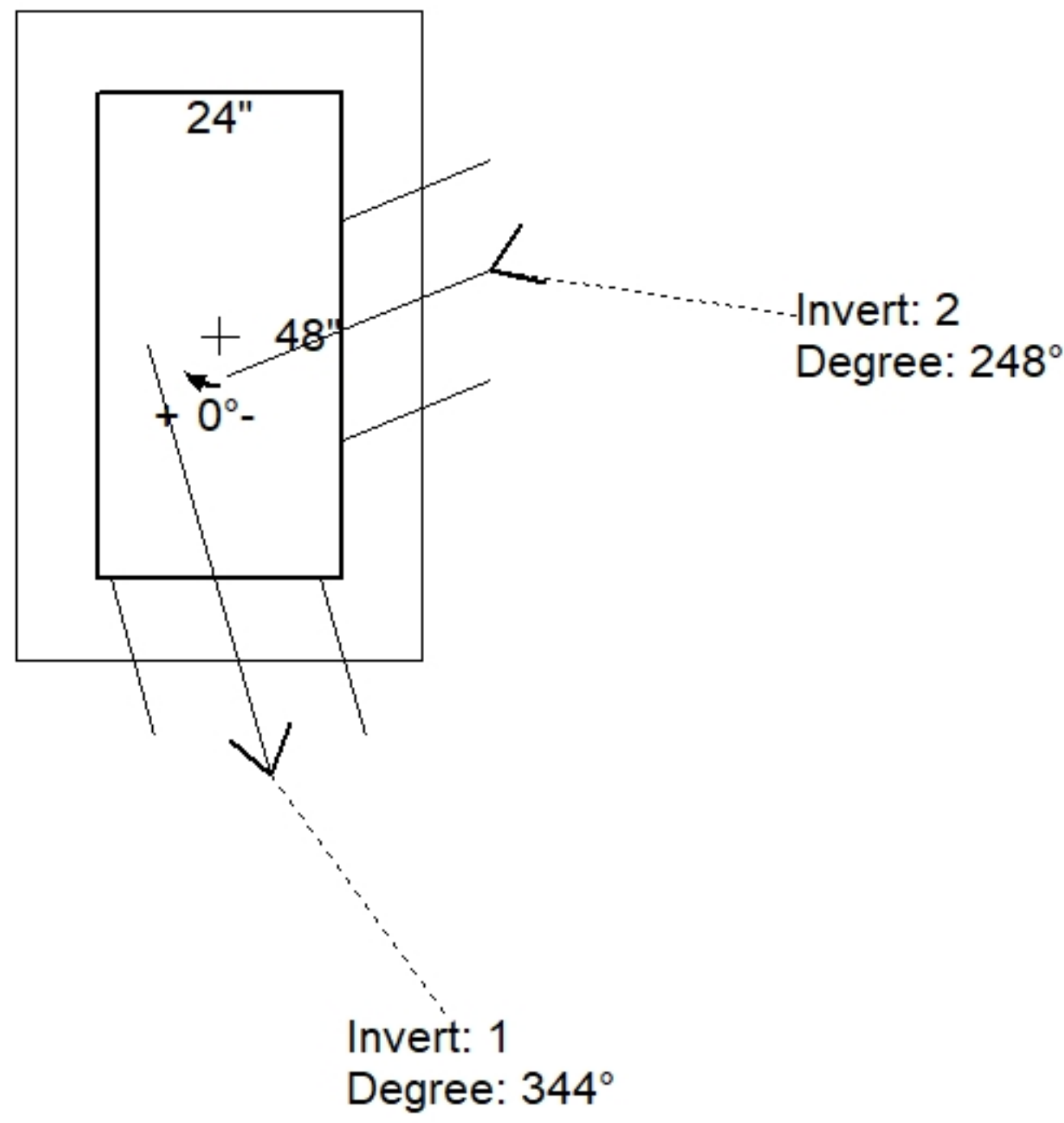
Floor (Bot): 373.167'
 Overall Height: 5.167'
 Slack: 2.96"

Structure Notes:

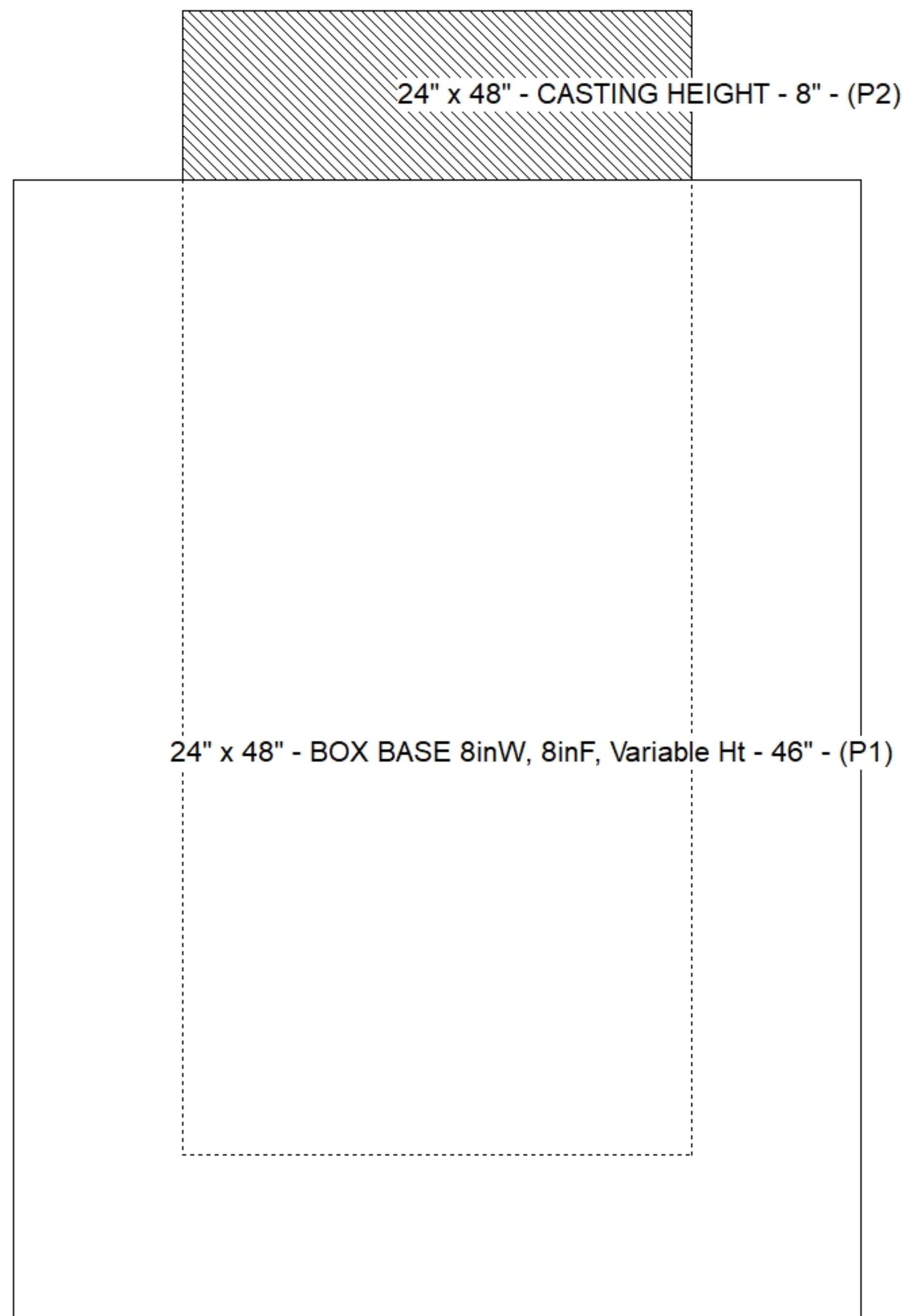
1. JR HOE R-3287-5 PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

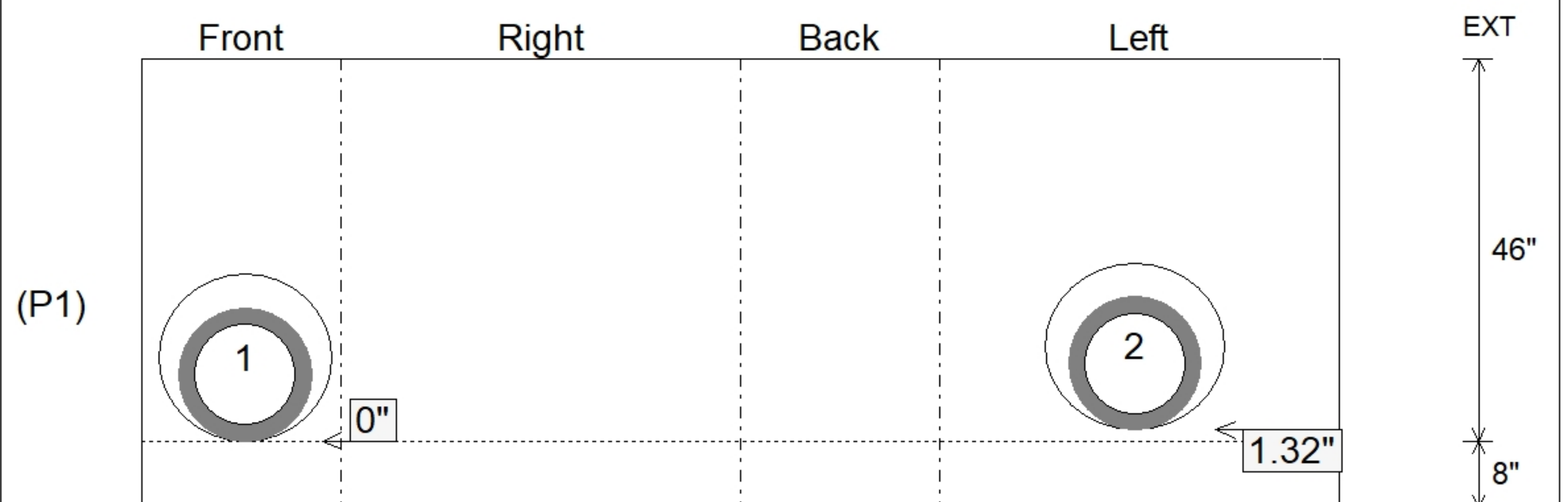
P2) 24" x 48" - CASTING HEIGHT - 8" 0 lb
 P1) 24" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 46" 6706 lb
 1) CASTING - HOE R-3287-5 SET (F/G/H) 442 lb
 1) 24" x 48" - SGL 1"x14.5' Butyl 0 lb
 2) Hole - 20 0 lb
 Structure Total: 7148 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	378.58'							
Reducer								
Invert 1	374'	344°	12" RCP B WALL	16"	20"	Hole 20	0"	P1
Invert 2	374.11'	248°	12" RCP B WALL	16"	20"	Hole 20	1.32"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Default - Interior Dimensions



Submittal Drawing
 10/27/2025 7:34:00 AM

SUBMITTAL
 APPROVED BY: