

**Job Name: 24-4317 Sumner Co Regional Transmission Line C**  
**Job Location: Gallatin, TN**  
**Contractor: Endesol, Inc.**

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



**Structure ID: 8IN FLOW METER VAULT**  
 Spec: Storm-Pipe Centered  
 Type: BX 6inW, 6inF  
 Size: 48" x 48"

Rim: 746.5'  
 Invert: 741'  
 Rim to Invert: 5.5'

Sump: 0"  
 Floor (Top): 741"  
 Floor Height: 6"

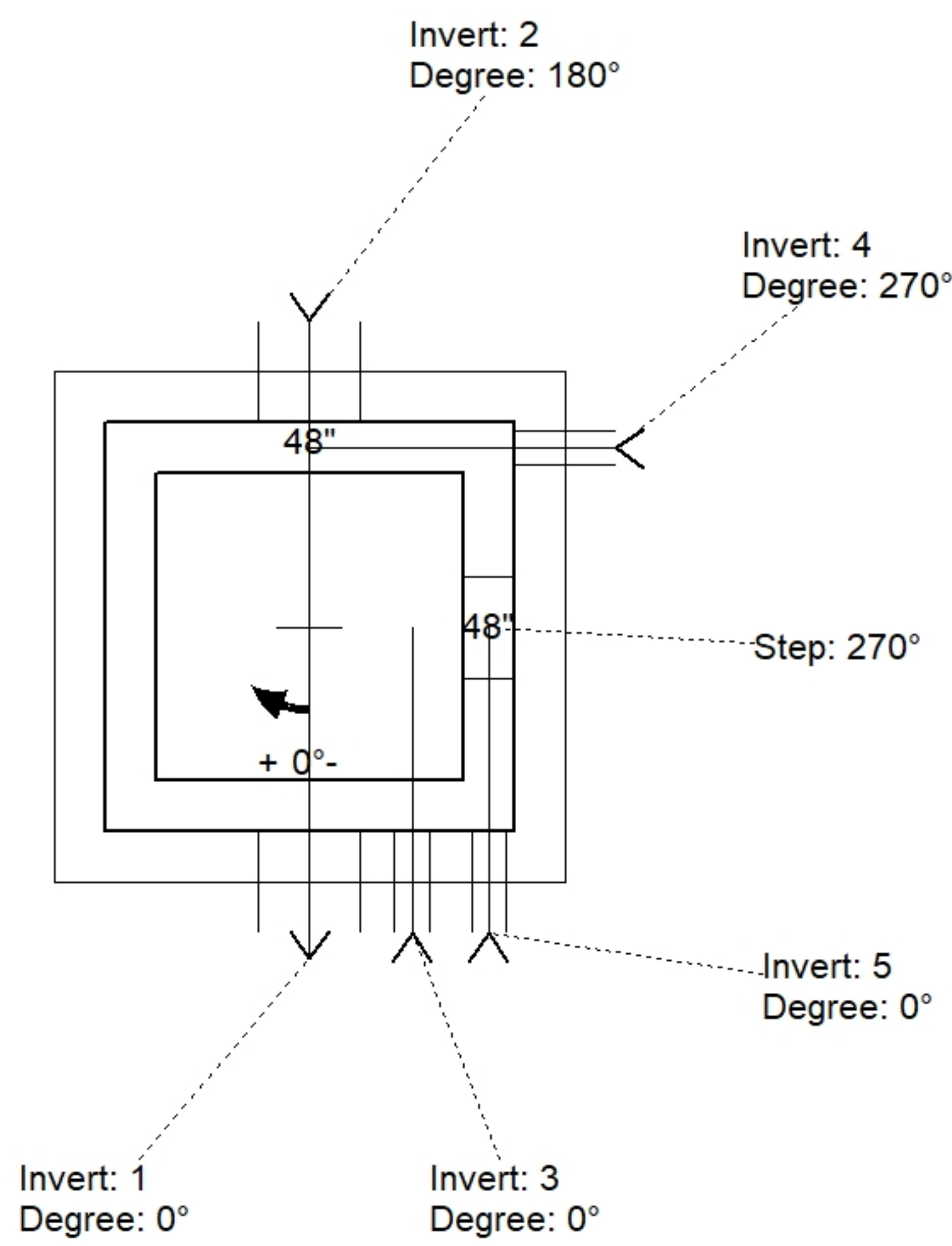
Floor (Bot): 740.5'  
 Overall Height: 6'  
 Slack: -0.002"

**Structure Notes:**

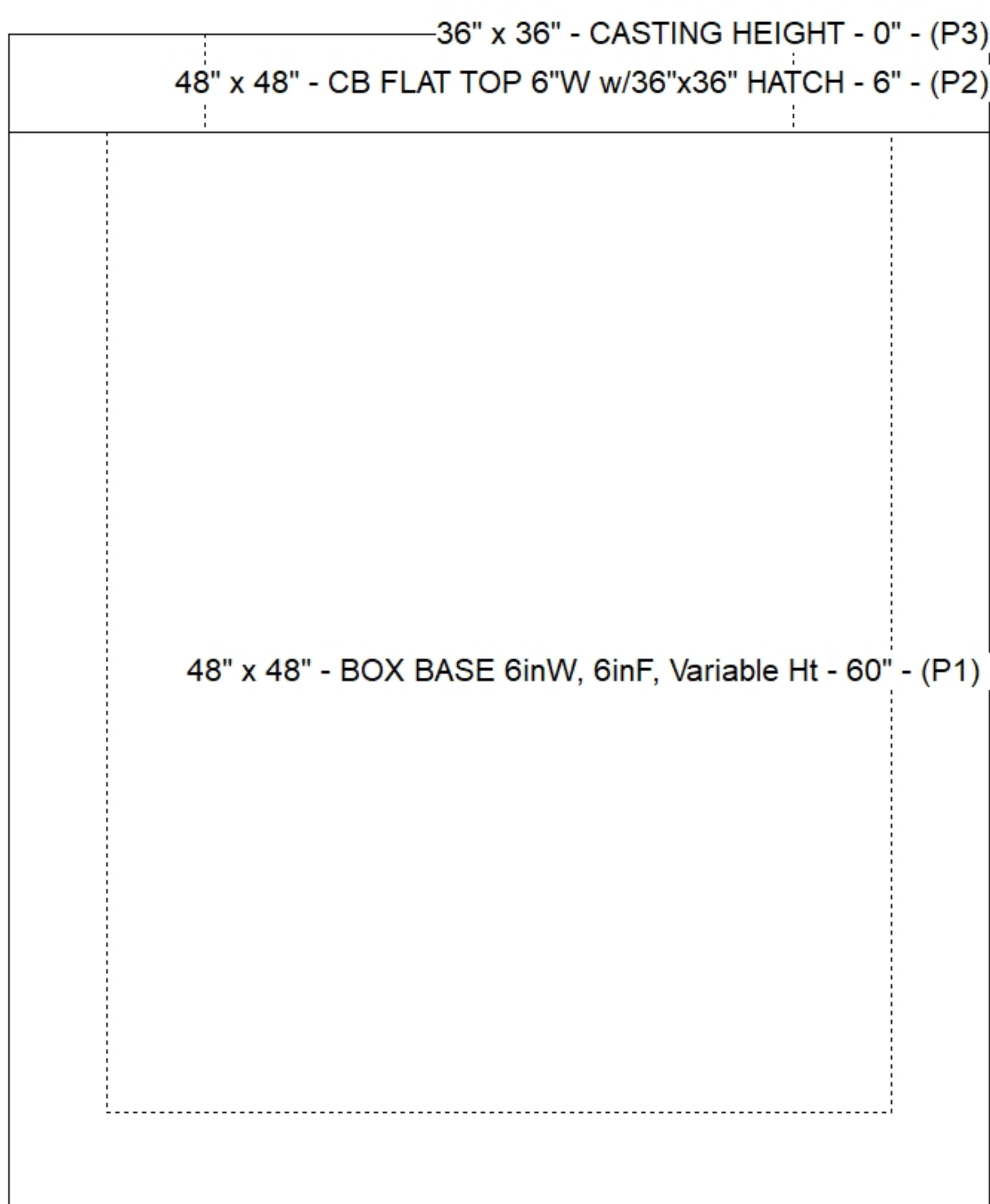
1. HALLIDAY W1S 36" X 36" HATCH BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
  - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
  - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
  - FLOOR (As .31) #5 BARS AT 12" C.C.E.W..

**STRUCTURE SUMMARY:**

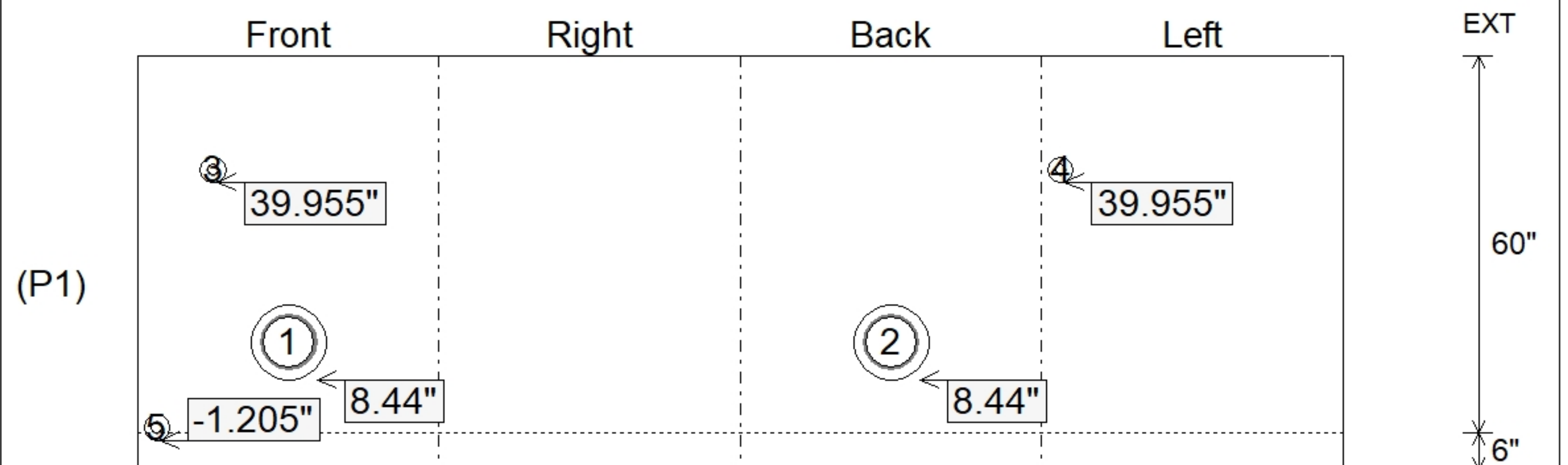
P3) 36" x 36" - CASTING HEIGHT - 0"	0 lb
P2) 48" x 48" - CB FLAT TOP 6"W w/36"x36" HATCH - 6"	1160 lb
P1) 48" x 48" - BOX BASE 6inW, 6inF, Variable Ht - 60"	8205 lb
1) This Structure Includes a Cast-in Item	0 lb
1) SECONDARY POUR	0 lb
1) 48" x 48" - Conseal CS-102 1.00"	0 lb
1) 36" x 36" - Conseal CS-102 1.00"	0 lb
2) Hole - 12	0 lb
3) Hole - 4	0 lb
6) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>9365 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ( )	Ref
Rim	746.5'							
Reducer								
Invert 1	741.87'	0°	8" DI	9"	12"	Hole 12	8.44"	P1
Invert 2	741.87'	180°	8" DI	9"	12"	Hole 12	8.44"	P1
Invert 3	744.43'	0°	1.5" PVC SCH40	1.9"	4"	Hole 4	39.955"	P1
Invert 4	744.43'	270°	1.5" PVC SCH40	1.9"	4"	Hole 4	39.955"	P1
Invert 5	741'	0°	1.5" PVC SCH40	1.9"	4"	Hole 4	-1.205"	P1
Invert 6								
Invert 7								
Invert 8								



**Default - Interior Dimensions**



Submittal Drawing  
 12/10/2025 2:47:54 PM

SUBMITTAL  
 APPROVED BY: