

**Job Name: 25-3531 - Crescent Hill Filtration Plant Carbon Storage**  
**Job Location: Louisville, KY**  
**Contractor: Dugan & Meyers, LLC**

PC: J. Jarvis  
 TECH: K. Cardwell  
 Plant: Beaver Dam, KY



Structure ID: V-008

Spec: Vaults  
 Type: Vault 8inW, 8inF  
 Size: 60" x 120"

Rim: 561.48'  
 Invert: 553.93'  
 Rim to Invert: 7.55'

Sump: 2.88"  
 Floor (Top): 553.69'  
 Floor Height: 8"

Floor (Bot): 553.023'  
 Overall Height: 8.417'  
 Slack: 0.48"

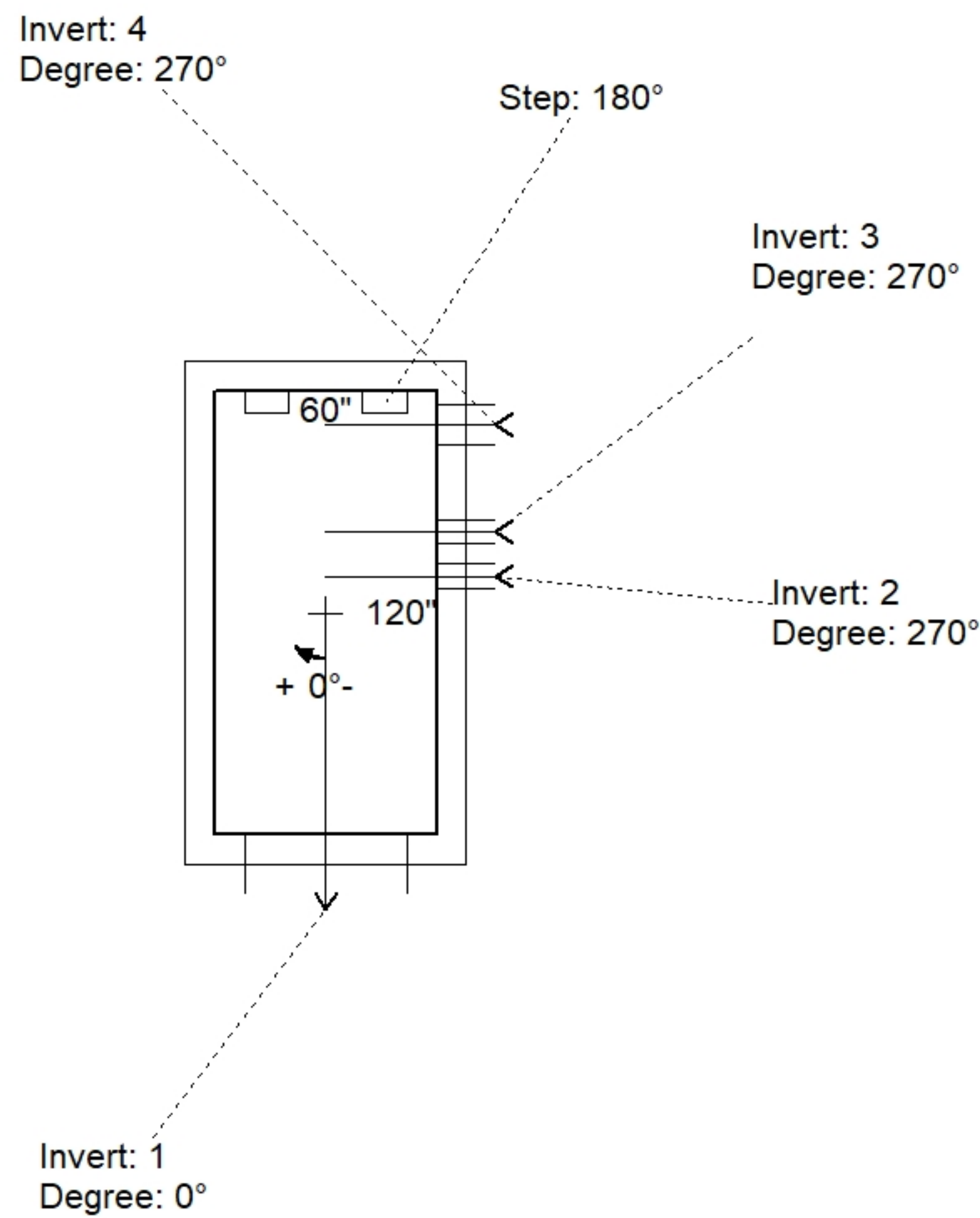
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.

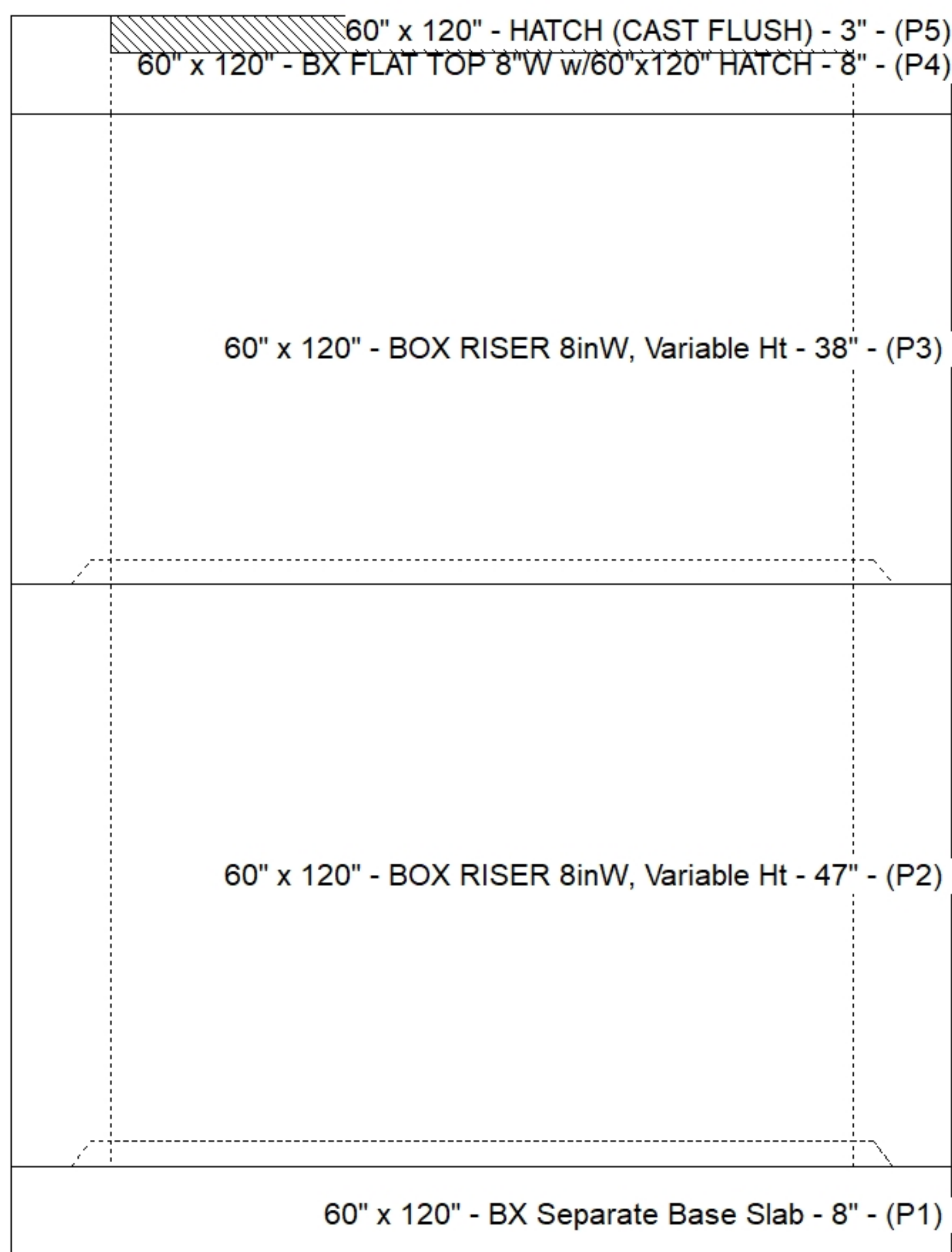
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.  
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

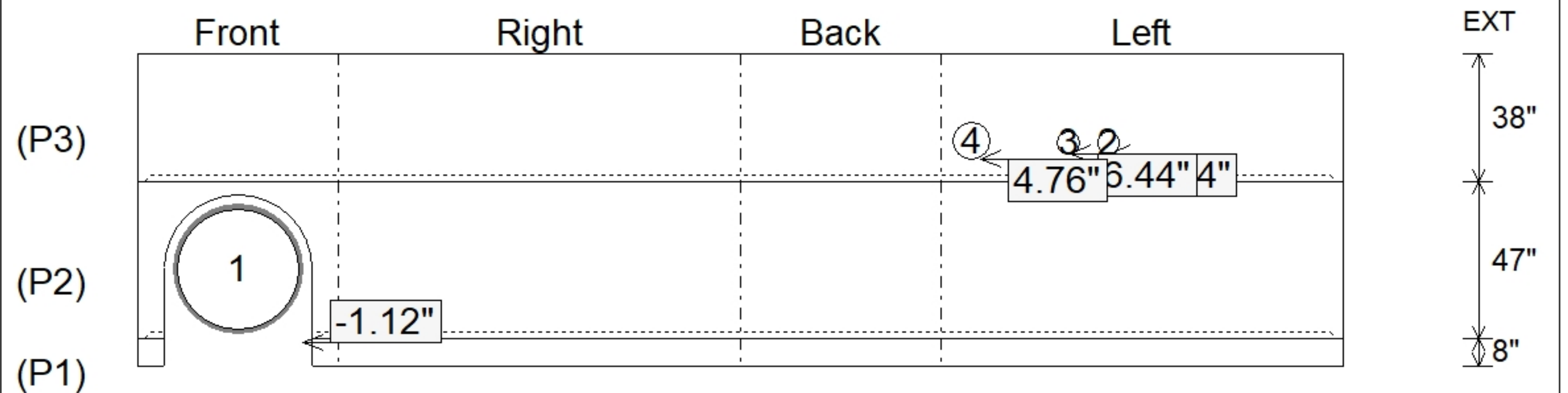
P5) 60" x 120" - HATCH (CAST FLUSH) - 3"	100 lb
P4) 60" x 120" - BX FLAT TOP 8"W w/60"x120" HATCH - 8"	2105 lb
P3) 60" x 120" - BOX RISER 8inW, Variable Ht - 38"	9891 lb
P2) 60" x 120" - BOX RISER 8inW, Variable Ht - 47"	11241 lb
P1) 60" x 120" - BX Separate Base Slab - 8"	6085 lb
1) HATCH (Alum.) - HALLIDAY H2R 48"x48"	235 lb
1) This Structure Includes a Cast-In Item (Hatch)	0 lb
4) 60" x 120" - Conseal CS-102 1.00"	0 lb
1) DOGHOUSE - 44"x44"	0 lb
2) Hole - 6.5	0 lb
1) Hole - 11	0 lb
8) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>29658 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	561.48'							
Reducer								
Invert 1	553.93'	0°	36" DI	38.5"	44" x 44"	DOGHOUSE 44"x44"	-1.12"	P1
Invert 2	558.31'	270°	6.5" Hole	6.5"	6.5"	Hole 6.5	6.44"	P3
Invert 3	558.31'	270°	6.5" Hole	6.5"	6.5"	Hole 6.5	6.44"	P3
Invert 4	558.17'	270°	11" Hole	11"	11"	Hole 11	4.76"	P3
Invert 5								
Invert 6								
Invert 7								
Invert 8								



**Default - Interior Dimensions**



Submittal Drawing  
 4/3/2026 8:27:55 AM

SUBMITTAL  
 APPROVED BY: