

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-007

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

Rim: 560.12'
 Invert: 547.69'
 Rim to Invert: 12.43'

Sump: 6"
 Floor (Top): 547.19'
 Floor Height: 8"

Floor (Bot): 546.523'
 Overall Height: 13.083'
 Slack: 6.16"

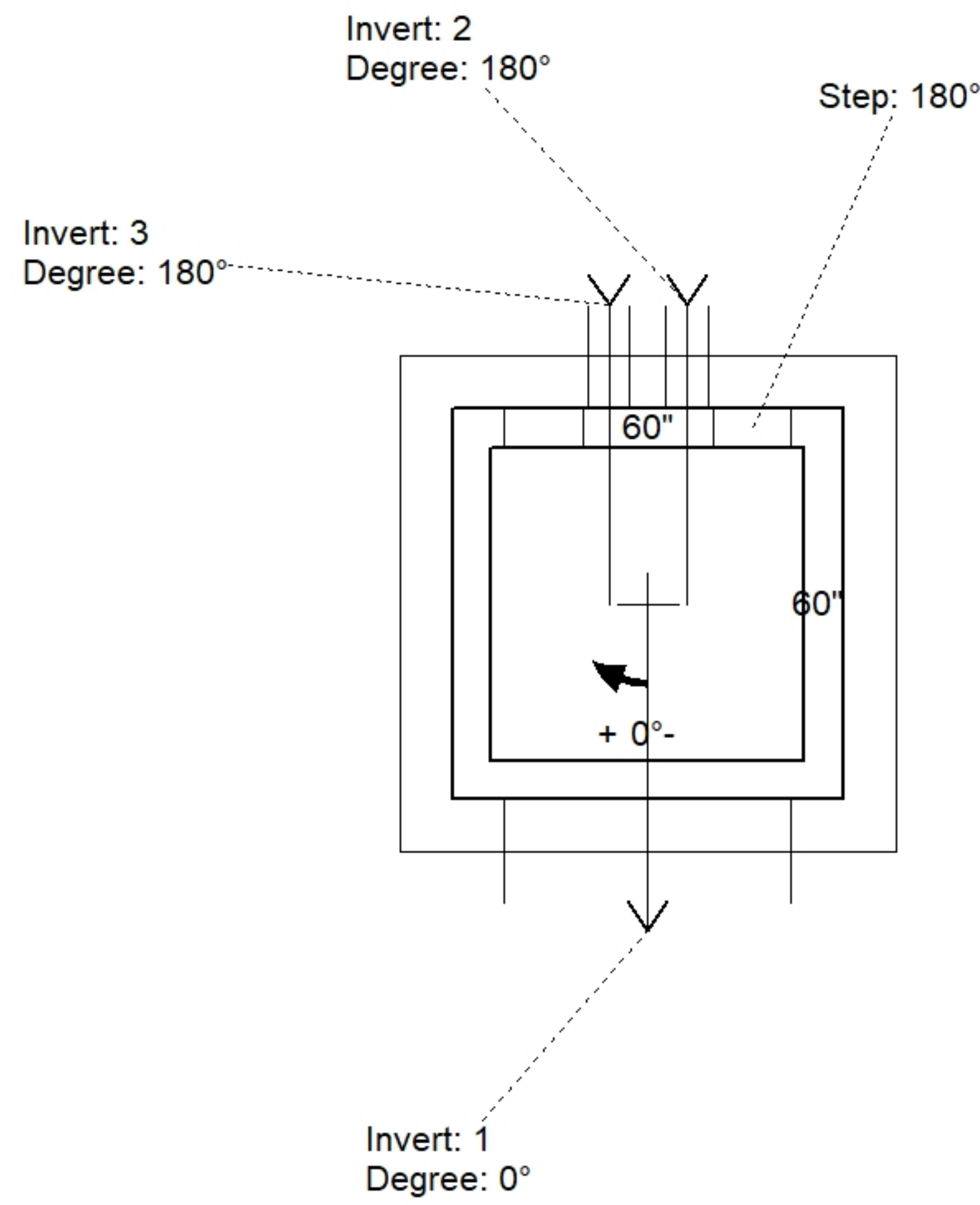
Structure Notes:

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

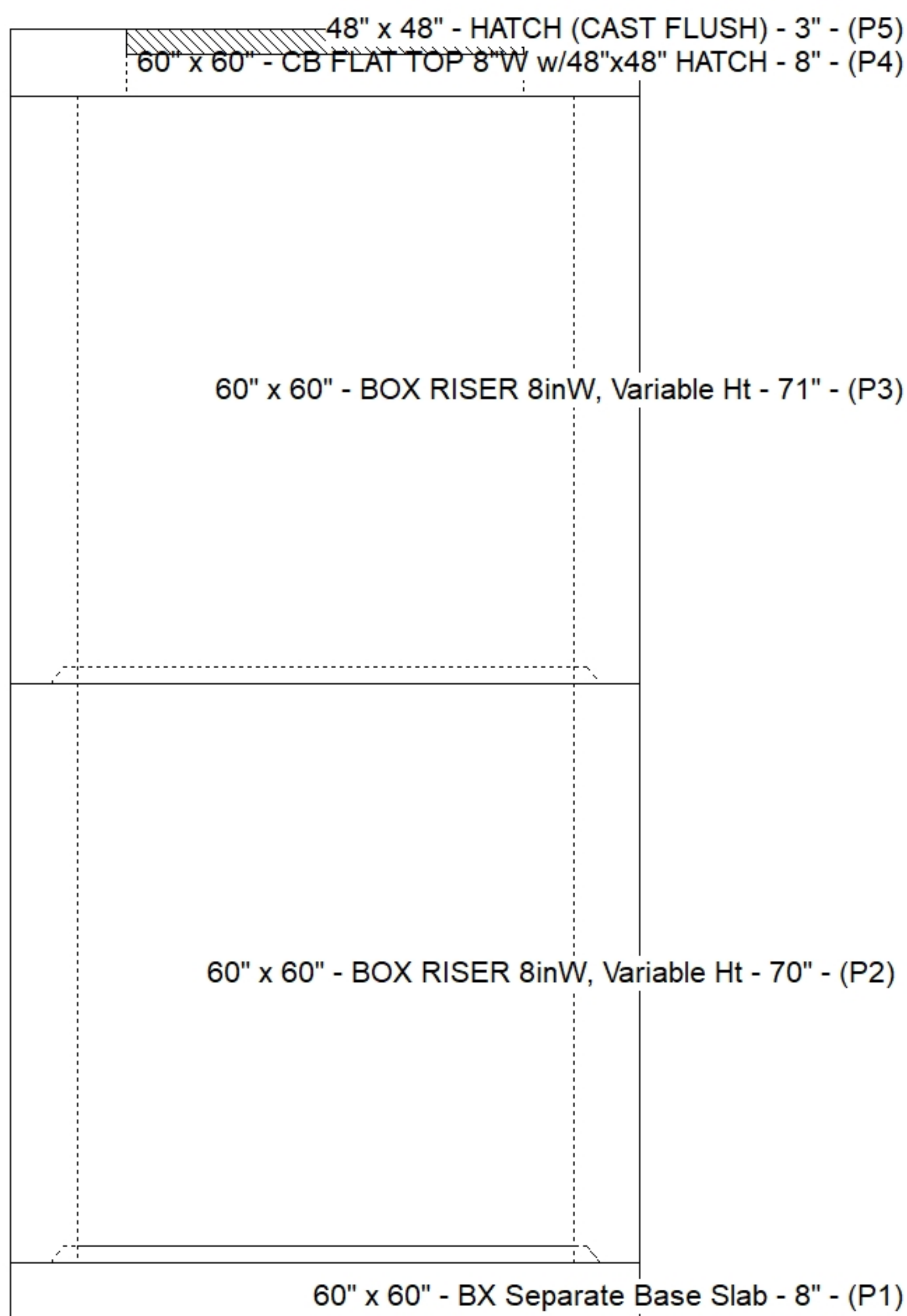
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

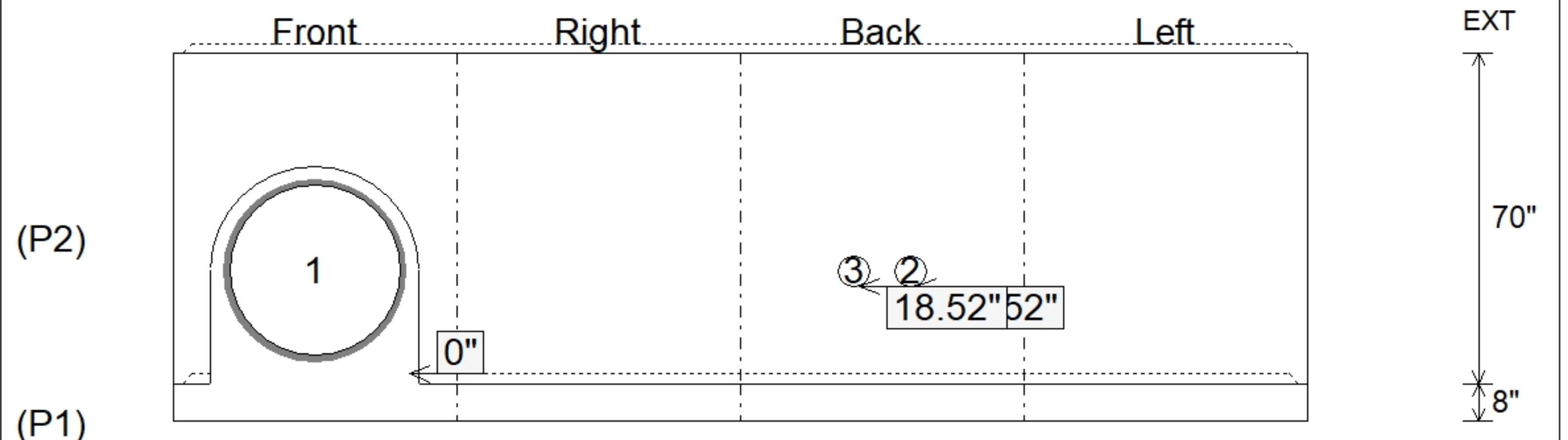
P5) 48" x 48" - HATCH (CAST FLUSH) - 3"	100 lb
P4) 60" x 60" - CB FLAT TOP 8"W w/48"x48" HATCH - 8"	2331 lb
P3) 60" x 60" - BOX RISER 8inW, Variable Ht - 71"	12964 lb
P2) 60" x 60" - BOX RISER 8inW, Variable Ht - 70"	11518 lb
P1) 60" x 60" - BX Separate Base Slab - 8"	3877 lb
1) HATCH (Alum.) - HALLIDAY H2R 48"x48"	235 lb
1) This Structure Includes a Cast-In Item (Hatch)	0 lb
3) 60" x 60" - Conseal CS-102 1.00"	0 lb
1) 48" x 48" - Conseal CS-102 1.00"	0 lb
1) DOGHOUSE - 44"x44"	0 lb
2) Hole - 6.5	0 lb
13) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	31025 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	560.12'							
Reducer								
Invert 1	547.69'	0°	36" DI	38.5"	44" x 44"	DOGHOUSE 44"x44"	0"	P2
Invert 2	548.9'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	18.52"	P2
Invert 3	548.9'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	18.52"	P2
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Default - Interior Dimensions



Submittal Drawing
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SUBMITTAL
 APPROVED BY: