

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-006

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

Rim: 556.51'
 Invert: 549.43'
 Rim to Invert: 7.08'

Sump: 6"
 Floor (Top): 548.93'
 Floor Height: 8"

Floor (Bot): 548.263'
 Overall Height: 8.25'
 Slack: -0.04"

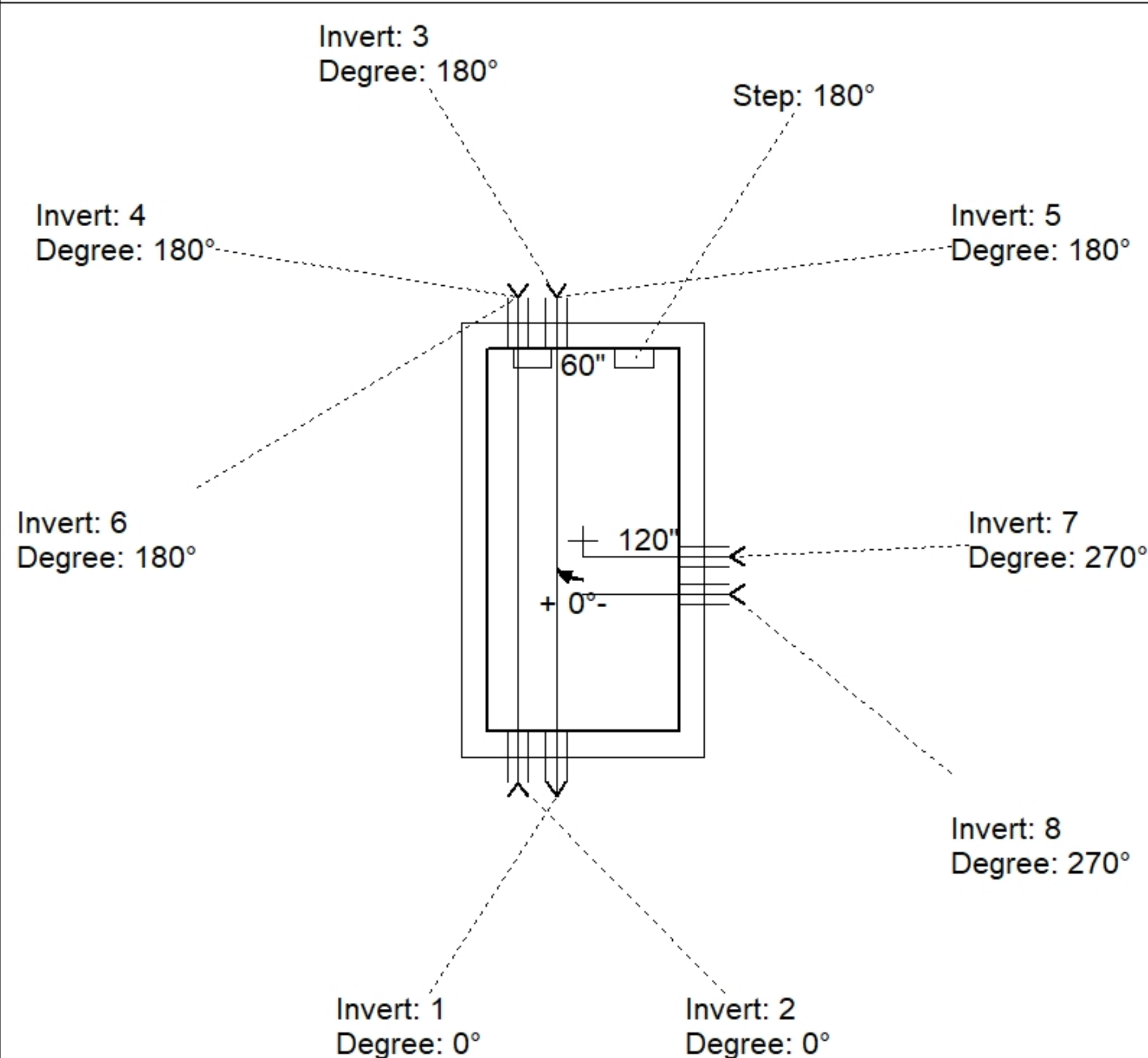
Structure Notes:

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

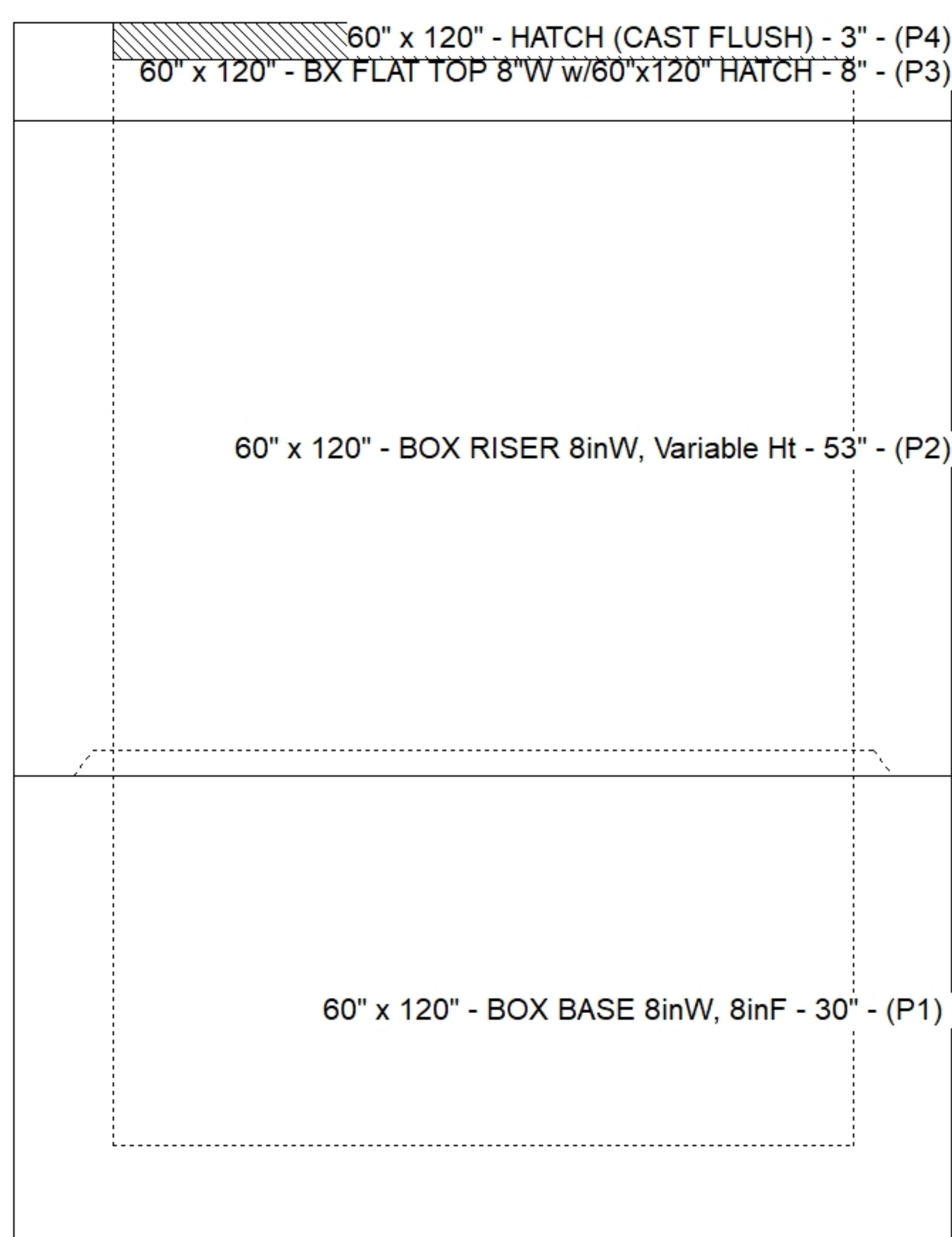
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

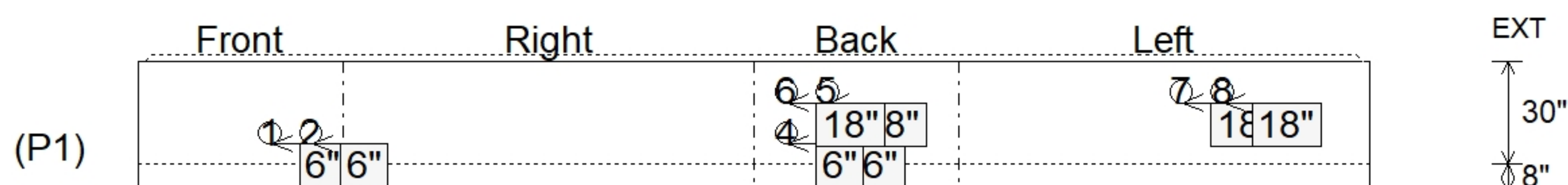
P4) 60" x 120" - HATCH (CAST FLUSH) - 3"	100 lb
P3) 60" x 120" - BX FLAT TOP 8"W w/60"x120" HATCH - 8"	2105 lb
P2) 60" x 120" - BOX RISER 8inW, Variable Ht - 53"	13947 lb
P1) 60" x 120" - BOX BASE 8inW, 8inF - 30"	14655 lb
1) HATCH (Alum.) - HALLIDAY H2R 48"x48"	235 lb
1) This Structure Includes a Cast-In Item (Hatch)	0 lb
1) SECONDARY POUR - WALLS	0 lb
3) 60" x 120" - Conseal CS-102 1.00"	0 lb
8) Hole - 6.5	0 lb
7) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	31042 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	556.51'							
Reducer								
Invert 1	549.43'	0°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 2	549.43'	0°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 3	549.43'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 4	549.43'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 5	550.43'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	18"	P1
Invert 6	550.43'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	18"	P1
Invert 7	550.43'	270°	6.5" Hole	6.5"	6.5"	Hole 6.5	18"	P1
Invert 8	550.43'	270°	6.5" Hole	6.5"	6.5"	Hole 6.5	18"	P1



Default - Interior Dimensions



Submittal Drawing
 4/3/2026 8:27:53 AM

SUBMITTAL
 APPROVED BY: