

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-005

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

Rim: 556.92'
 Invert: 550.42'
 Rim to Invert: 6.5'

Sump: 6"
 Floor (Top): 549.92'
 Floor Height: 8"

Floor (Bot): 549.253'
 Overall Height: 6.167'
 Slack: 18"

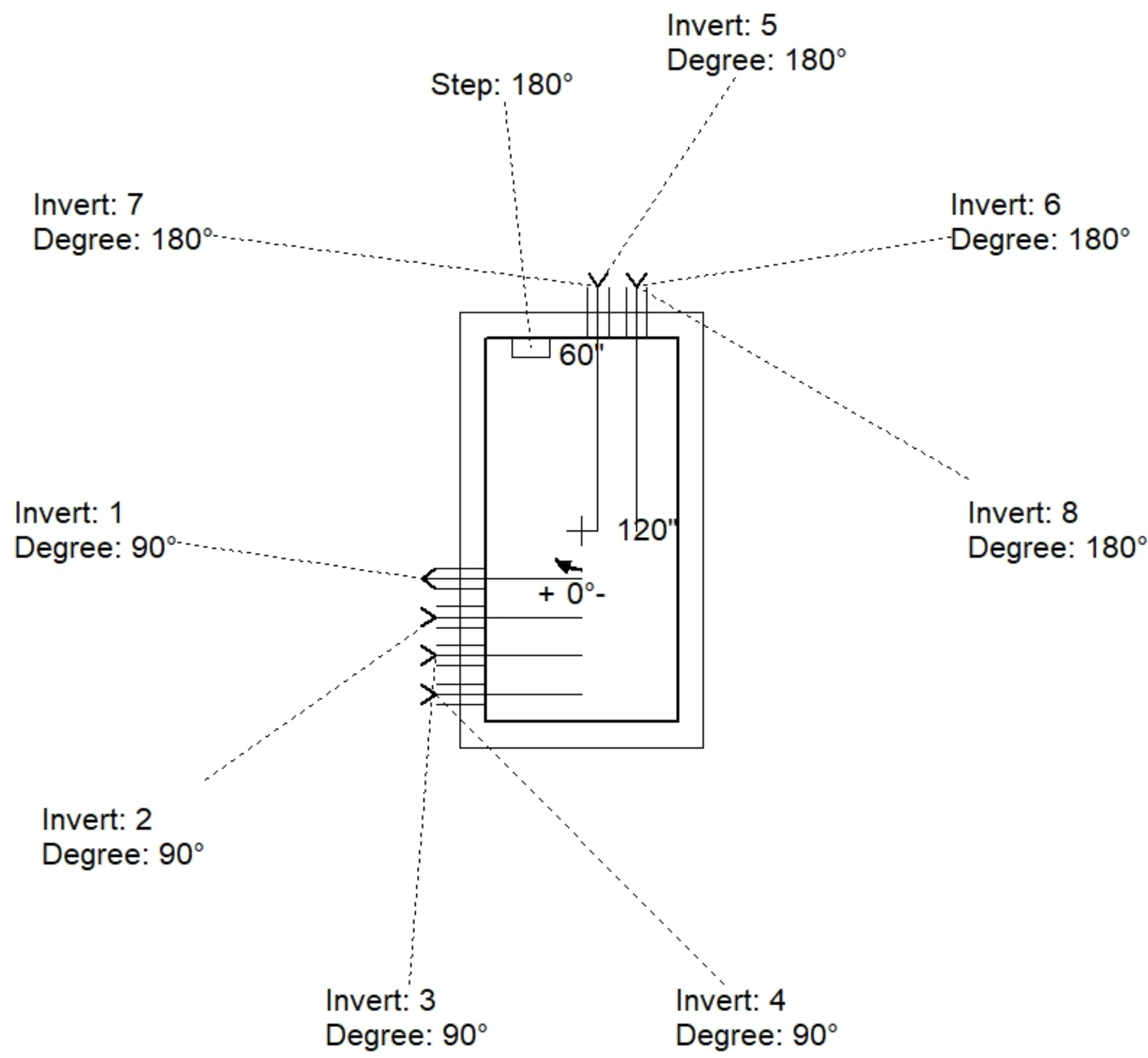
Structure Notes:

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

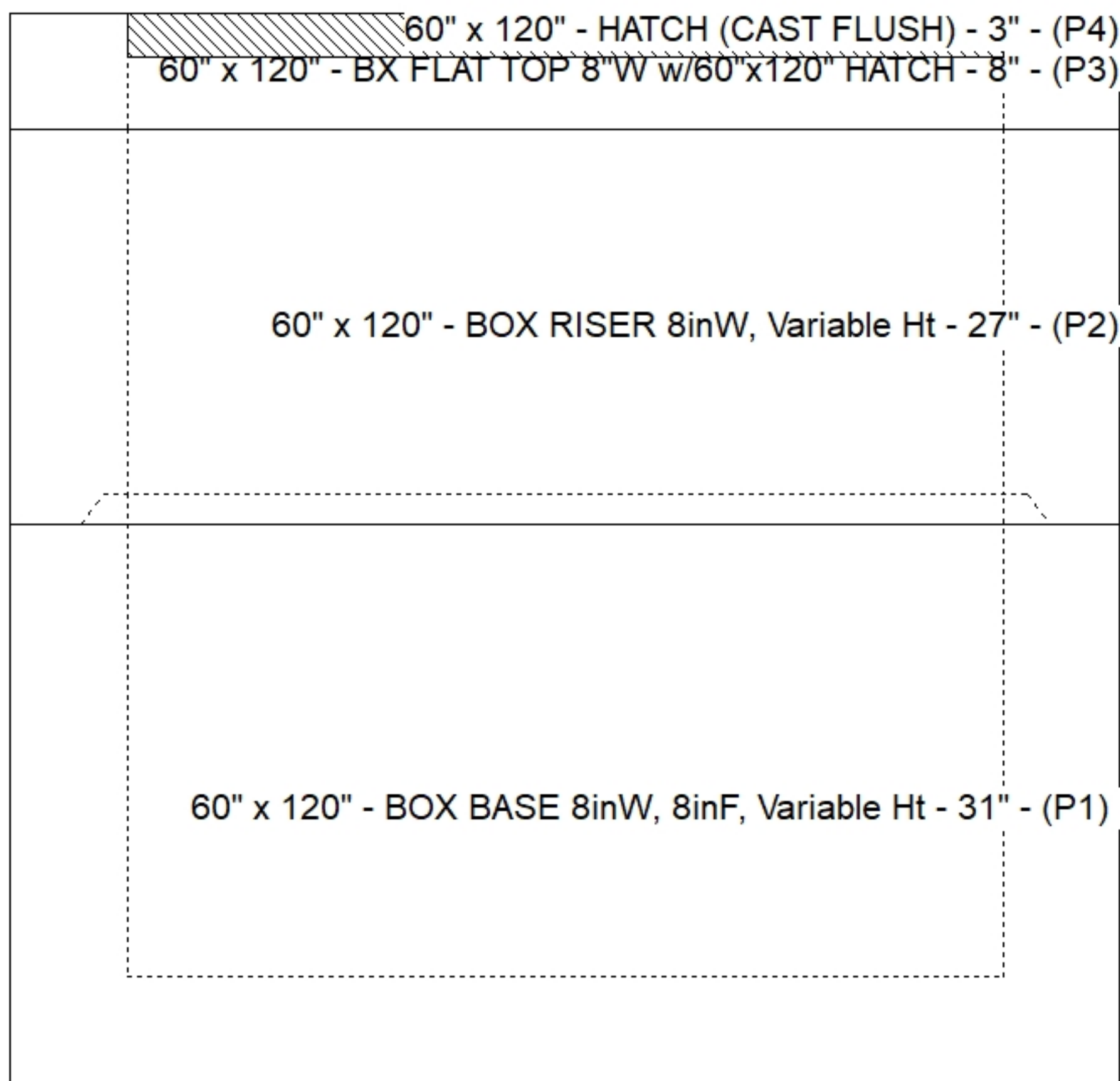
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

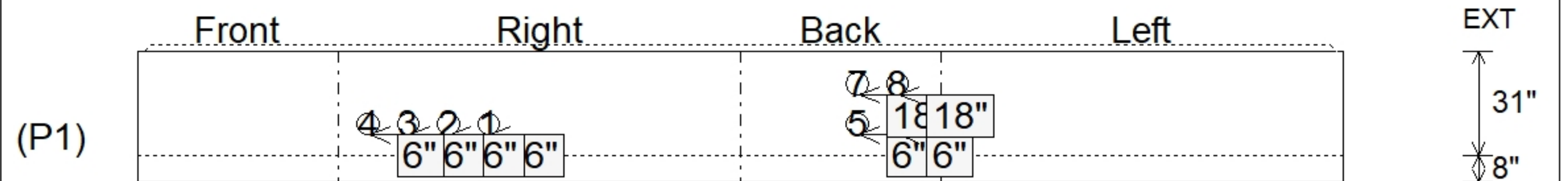
P4) 60" x 120" - HATCH (CAST FLUSH) - 3"	100 lb
P3) 60" x 120" - BX FLAT TOP 8"W w/60"x120" HATCH - 8"	2105 lb
P2) 60" x 120" - BOX RISER 8inW, Variable Ht - 27"	7105 lb
P1) 60" x 120" - BOX BASE 8inW, 8inF, Variable Ht - 31"	14918 lb
1) HATCH (Alum.) - HALLIDAY H2R 48"x48"	235 lb
1) This Structure Includes 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
5) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	24463 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	556.92'							
Reducer								
Invert 1	550.42'	90°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 2	550.42'	90°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 3	550.42'	90°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 4	550.42'	90°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 5	550.42'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 6	550.42'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	6"	P1
Invert 7	551.42'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	18"	P1
Invert 8	551.42'	180°	6.5" Hole	6.5"	6.5"	Hole 6.5	18"	P1



Default - Interior Dimensions



Submittal Drawing
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SUBMITTAL
 APPROVED BY: