

**Job Name: 25-4689 Water Tank Site Improvements**  
**Job Location: Crossville, TN**  
**Contractor: John T Hall Construction**

PC: Erica Bradley  
 TECH: Jared- A  
 Plant: 100



Structure ID: **54689 (2)**  
 Spec: Vaults  
 Type: Valve Vault  
 Size: 120" x 180"

Rim: 5.67'  
 Invert: 5.67'  
 Rim to Invert: 0'

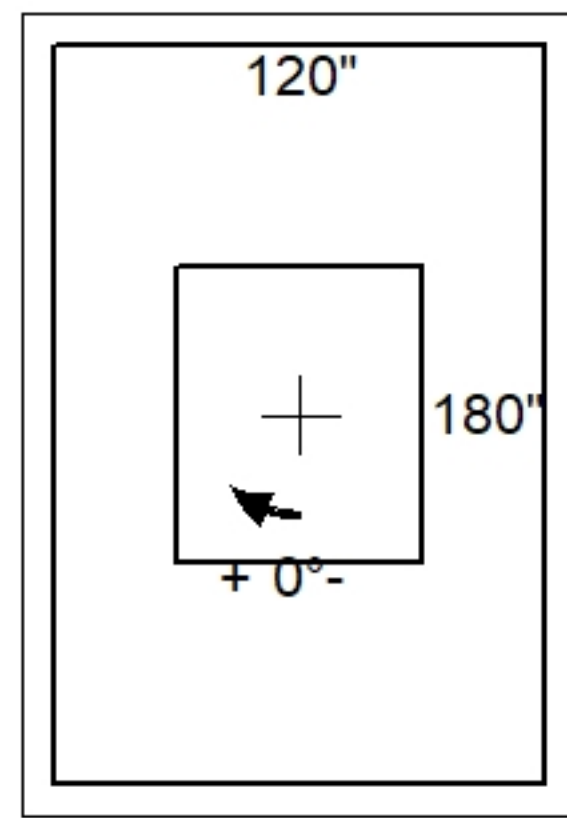
Sump: 68.04"  
 Floor (Top): 0'  
 Floor Height: 14"

Floor (Bot): -1.167'  
 Overall Height: 6.833'  
 Slack: 0.04"

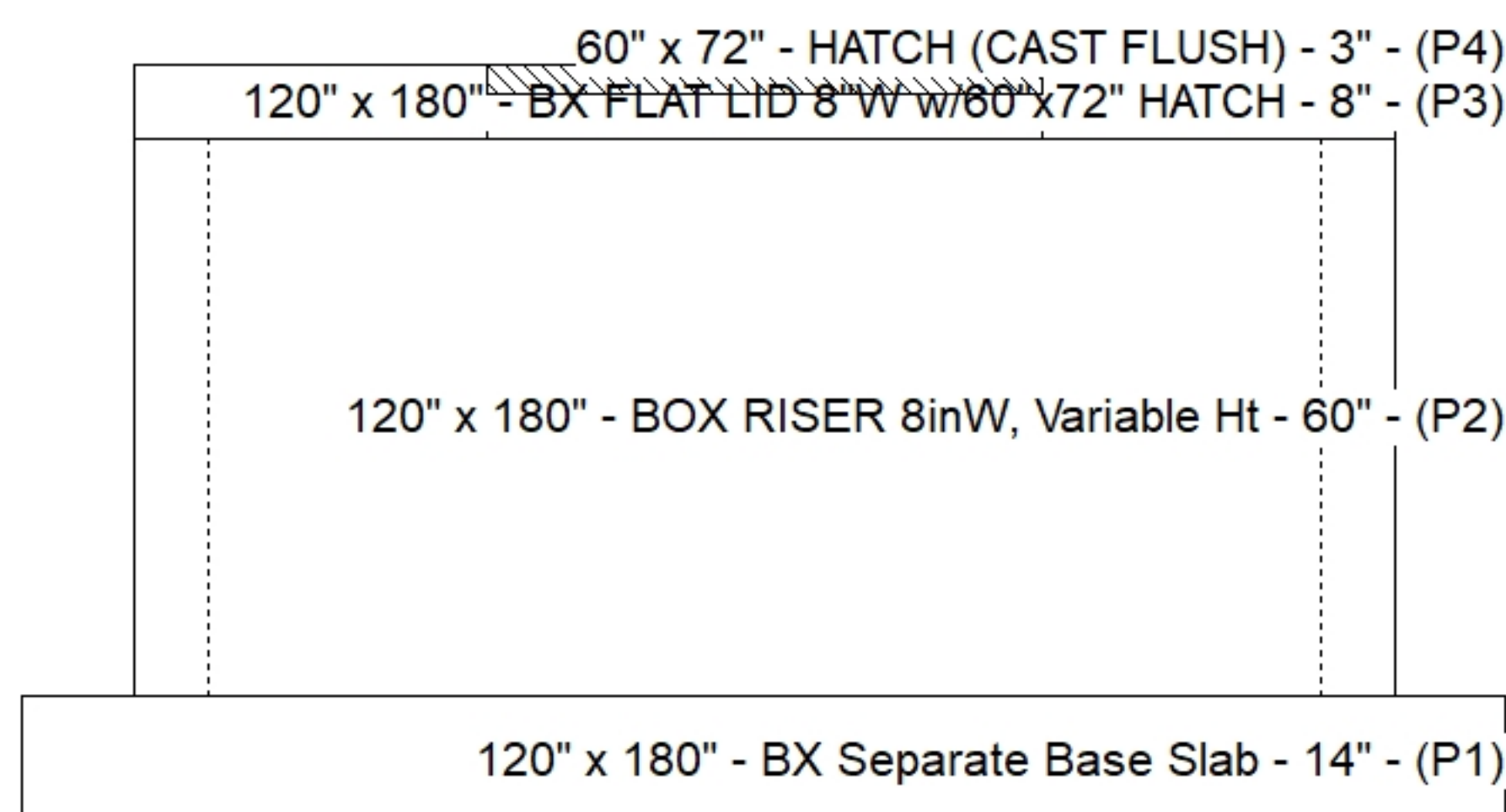
- Structure Notes:
1. MANUFACTURED PER ASTM C-913 (LATEST REVISION)
  2. CONCRETE: 5,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615 (GRADE 60)  
 TOP SLAB: #6 BAR @ 9" C-C E.W. DBL MAT  
 WALLS: #5 BAR @ 8" C-C E.W.  
 BASE SLAB: #5 BAR @ 12" C-C E.W. DBL MAT
  4. HATCH: HALLIDAY S2S 60" X 72" PROVIDED BY ICAST
  5. LADDER SUPPLIED BY ICAST.

STRUCTURE SUMMARY:

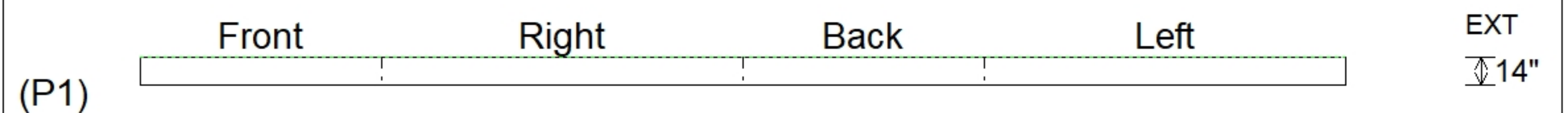
P4) 60" x 72" - HATCH (CAST FLUSH) - 3"	100 lb
P3) 120" x 180" - BX FLAT LID 8"W w/60"x72" HATCH - 8"	14994 lb
P2) 120" x 180" - BOX RISER 8inW, Variable Ht - 60"	25456 lb
P1) 120" x 180" - BX Separate Base Slab - 14"	41351 lb
1) SECONDARY POUR - Walls	0 lb
1) HATCH (Alum.) - HALLIDAY S2S 72"x60"	225 lb
2) 120" x 180" - Conseal CS-231 1.00" (Double)	0 lb
<b>Structure Total:</b>	<b>82126 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ( )	Ref
Rim	5.67'							
Reducer								
Invert 1								
Invert 2								
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



**Default - Interior Dimensions**



Submittal Drawing  
 3/26/2026 8:14:57 AM

SUBMITTAL  
 APPROVED BY: