

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

Plant: Beaver Dam, KY  
 3/30/2026 9:44:47 AM

Tech: K. Cardwell  
 PC: J. Jarvis



**Structure ID: 4" WATER VAULT**

**P2 CVR**

**BOX RISER 8inW, Variable Ht**

- P4) 30" x 36" - HATCH (CAST FLUSH) - 3"
- P3) 48" x 128" - CB FLAT TOP 8"W w/30"x36" HATCH - 8"
- P2) 48" x 128" - BOX RISER 8inW, Variable Ht - 20"
- P1) 48" x 128" - BOX BASE 8inW, 8inF, Variable Ht - 32"
- 1) HATCH (Alum.) - HALLIDAY H2R 48"x48"
- 1) This Structure Includes a Cast-In Item (Hatch)
- 1) SECONDARY POUR - WALLS
- 2) Hole - 8

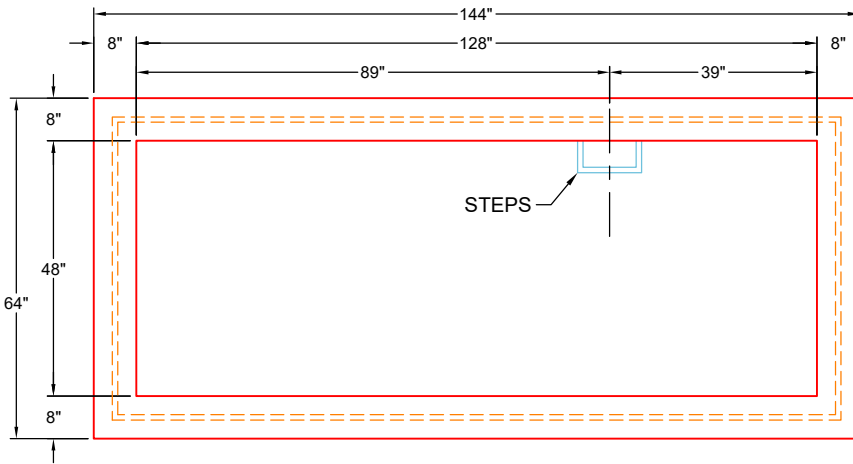
100 lb  
 5462 lb  
 5156 lb  
 14368 lb  
 235 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 25320 lb

**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.

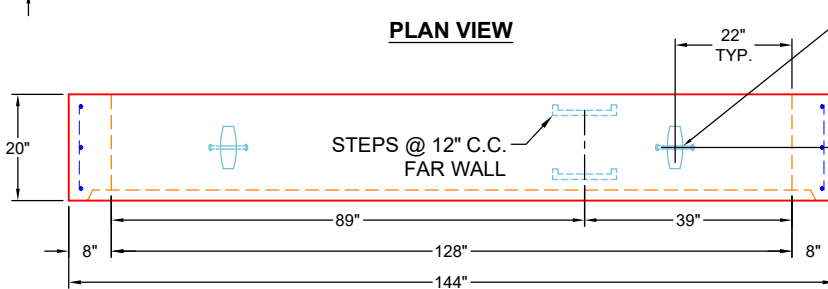
Rim: 560' Rim to Invert: 4' Slack: 0" Sump: 12" Step Position:



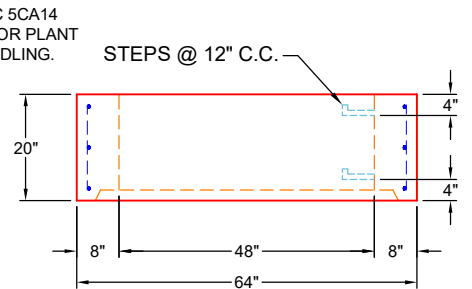
**PLAN VIEW**

**GENERAL NOTES:**

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION) & DESIGNED TO MEET ASTM C857 & ACI 318 REQUIREMENTS.
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. REINFORCEMENT  
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60)
4. JOINT SEALANT: CONSEAL CS-102



**FRONT VIEW**



**RIGHT VIEW**

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 8"  
 Floor Height: 0"

Height (Int): 20"  
 Height (Ext): 20"

Weight (Net): 5156 lb  
 Volume (Net): 1.32cu.yd