

Job Name: 26-2945 - The Cumberlands Lift Station
Job Location: Bowling Green, KY
Contractor: Endesol, Inc.

Plant: Beaver Dam

7/21/2026 1:57:23 PM

Tech: J. Coppage

PC: E. Bradley



Structure ID: Combo Lift Station

P3 CTS

Combined Lift Station Top Slab Custom

- P4) 36" x 54" - HATCH (CAST FLUSH) - 3"
P3) 96" - Combined Lift Station Top Slab Custom - 12"
P2) 96" - Combined Lift Station Walls/Floor - 59"
P1) 96" - MH BASE (12"F) Custom Ht - 64"
1) JOINT WRAP - 12" WD x 096" MAC WRAP
1) Cast-in Item - 2x Hatches
1) SECONDARY POUR - Walls For Vault Sect.
1) SECONDARY POUR - Vault Extension
1) HATCH (Alum.) - HALLIDAY S1R 36"x54"
1) HATCH (Alum.) - HALLIDAY S1R 42"x42"
1) SPECIAL Pre-Assembly of Internal Material Required
1) 96" - Conseal CS-231 1.00" (Double)
1) 36" x 54" - Conseal CS-231 1.00" (Double)
1) PSX - 8QRS-S NYLO
1) PSX - 12-08 NYLO
5) MH Step ML-10-TDS-NCR - 10"

100 lb
11763 lb
31830 lb
26136 lb
0 lb
0 lb
0 lb
0 lb
0 lb
91 lb
93 lb
0 lb
0 lb
0 lb
0 lb
6 lb
8 lb
0 lb

Structure Total: 70029 lb

Structure Notes:

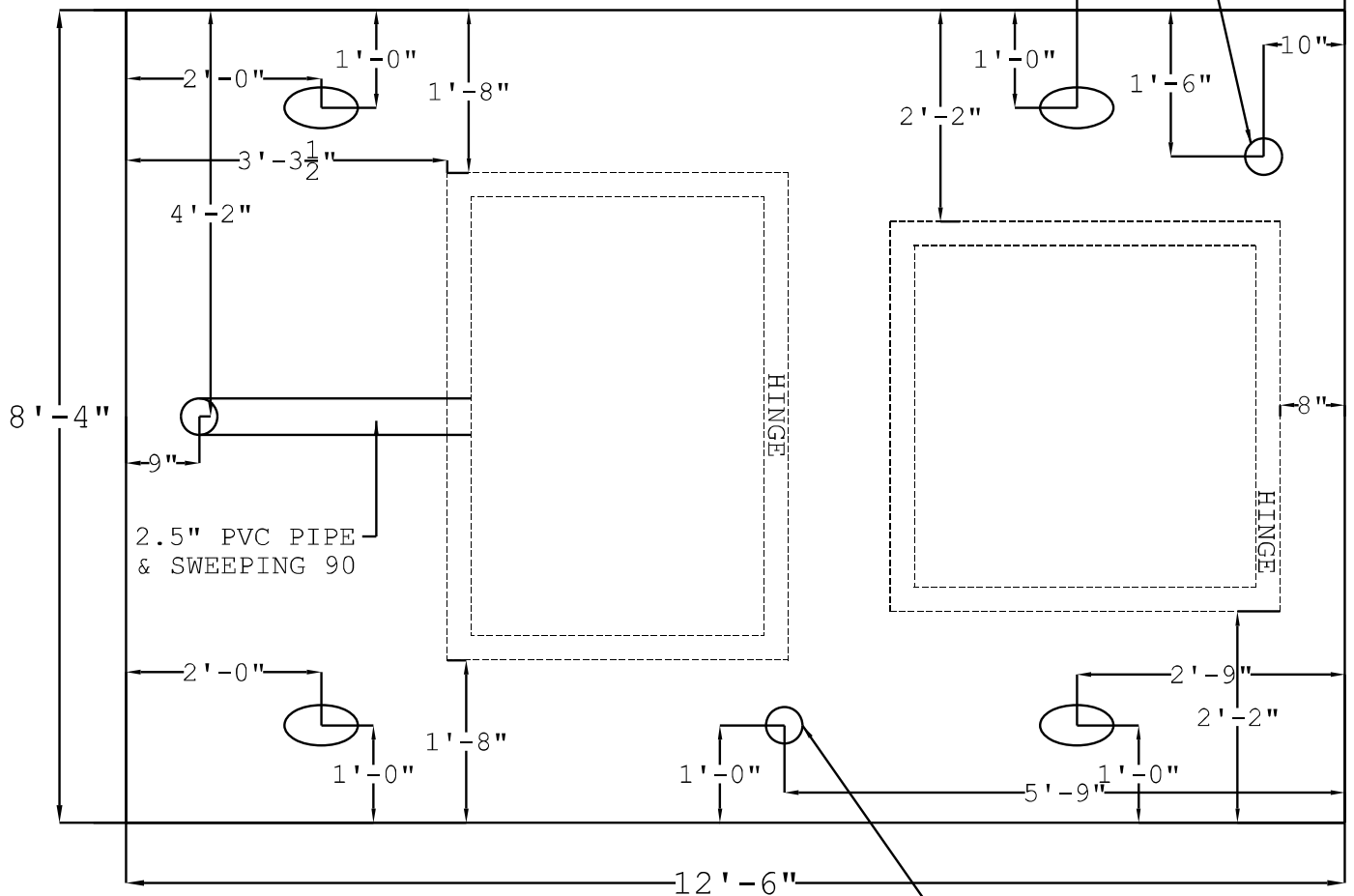
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).

GRADE 60 REINFORCING STEEL SCHEDULE

BASE SLAB: #6 @ 6" OC EW TOP, #5 @ 12" EW BOT
VALVE VAULT FLOOR SLAB: #5 @ 8" OC EW
VALVE VAULT WALL SECTION: #5 @ 12" OC EW
LID SLAB: #4 @ 12" OC EW TOP, #5 @ 12" EW BOT
(EXTRA #5 BAR AROUND THE HATCHES)

12" THICK TOP SLAB

4.5"x18" SS.
NIPPLE CAST INTO
TOP SLAB



TOP SLAB

4.5"x12" SS.
NIPPLE CAST INTO
TOP SLAB
THREADS STICKING UP
2" OUT OF CONCRETE

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 7"

Height (Ext): 12"

Weight (Net): 11765 lb
Volume (Net): 3cu.yd