

Job Name: 25-2216 Lock 4 Road Sewer Addition
 Job Location: Gallatin, TN
 Contractor: Endesol, Inc.

Plant: Beaver Dam

Tech: J. Coppage

11/19/2025 11:30:38 AM

PC: E. Bradley



Structure ID: Valve Vault

P1 BX084108-08W12F-08EB-VFCDAREDBX BASE w/FLANGE 08W/12F/08EF w/ ConBlock CDA RED

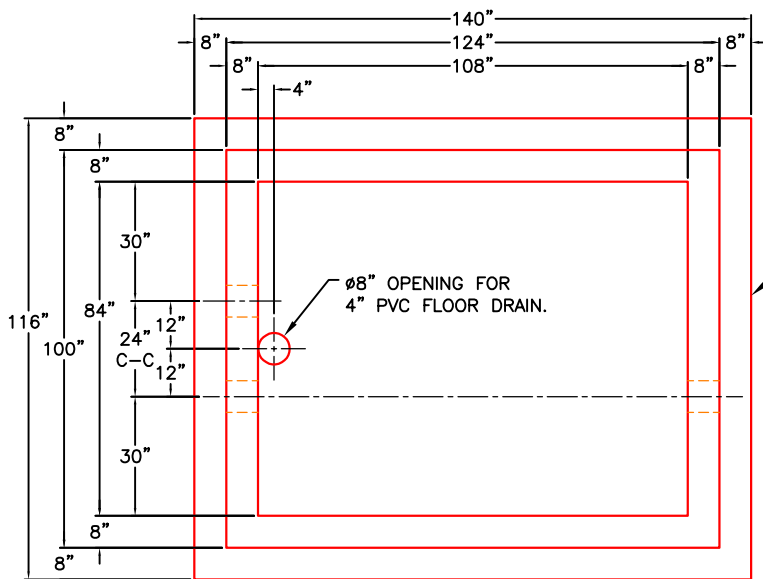
- P3) 48" x 72" - HATCH (CAST FLUSH) - 3"
- P2) 84" x 108" - CB FLAT TOP 8"W w/48"x72" HATCH w/ ConBlock CDA RED - 6"
- P1) 84" x 108" - BX BASE w/FLANGE 08W/12F/08EF w/ ConBlock CDA RED - 60"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) This Structure Includes a Cast-in Item
- 1) SECONDARY POUR
- 1) 48" x 72" - Conseal CS-102 1.00"
- 4) Hole - 8

- Structure Notes:
1. PER ASTM C-913 SPECIFICATIONS.
 2. CONCRETE = 5,000 PSI AT 28 DAYS.
 3. CONBLOCK CDA RED ADMIX REQUIRED.
 4. HALLIDAY H2W 48" X 72" HATCH PROVIDED BY ICAST.
 5. HATCH TO BE CAST INTO THE TOP SLAB.
 6. HALLIDAY L1D05 5' TALL LADDER AND HALLIDAY L1EAB LADDER EXTENSION PROVIDED BY ICAST.
 7. REINFORCING PER ASTM A615 (GRADE 60).
- Structure Total: 37576 lb
- TOP SLAB: #5 BARS AT 6" C.C.E.W..
 - WALLS VERTICALS - #4 BARS AT 12" C.C. HORIZONTALS - #6 BARS AT 10" C.C.
 - FLOOR LONG WAY - #5 BARS AT 12" C.C. SHORT WAY - #5 BARS AT 10" C.C.

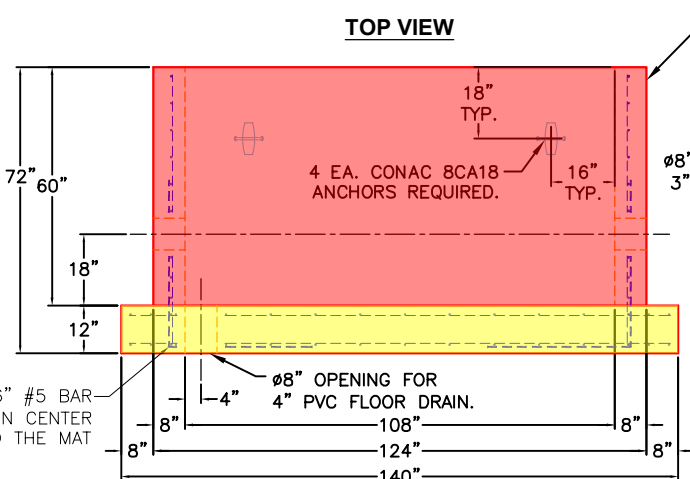
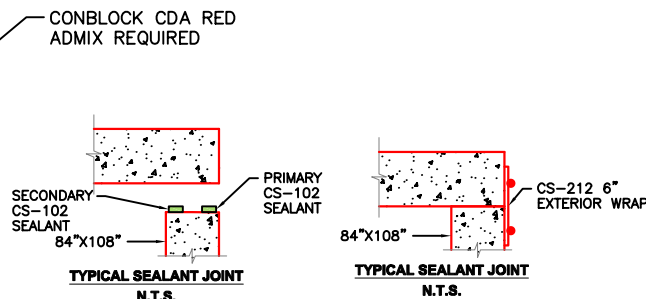
Rim: 452' Rim to Invert: 5.5' Slack: 0" Sump: 0" Step Position:

FIRST POUR DRAWING

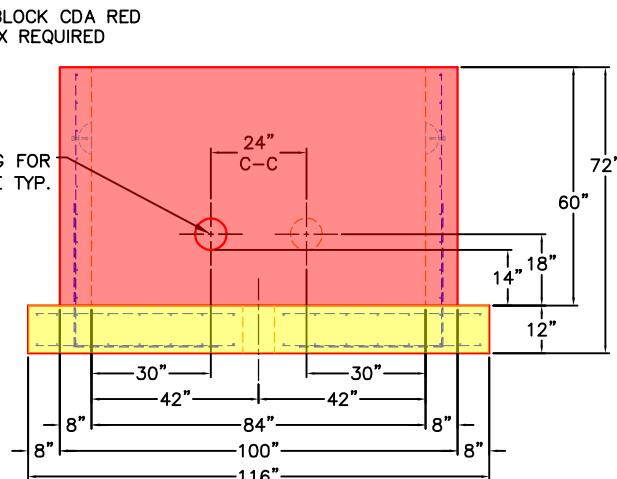
WEIGHTS:
FIRST POUR - 16,302 LBS.
SECOND POUR - 16,671 LBS.
TOTAL - 32,973 LBS.



TOP VIEW



FRONT VIEW



RIGHT VIEW

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 12"	Height (Int): 60" Height (Ext): 72"	Weight (Net): 32973 lb Volume (Net): 8.42cu.yd
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- 1) SECONDARY POUR
- 1) 48" x 72" - Conseal CS-102 1.00"
- 4) Hole - 8

Structure Total:

100 lb
 4503 lb
 32973 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 37576 lb

Structure Notes:

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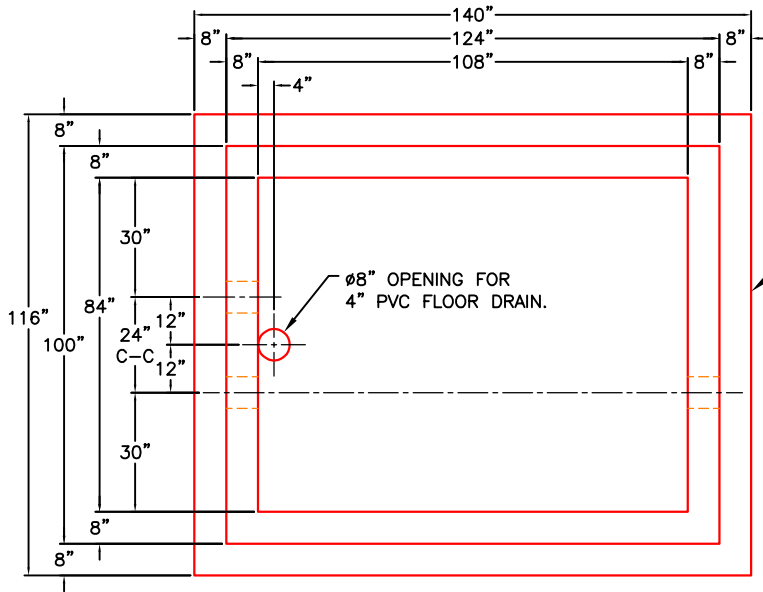
SECOND POUR DRAWING

WEIGHTS:

FIRST POUR - 16,302 LBS.

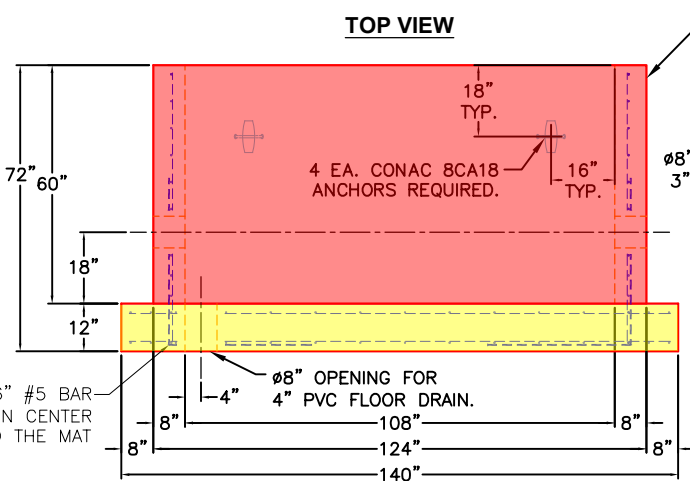
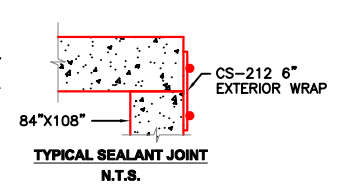
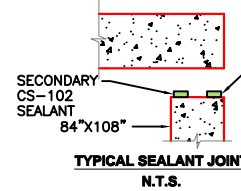
SECOND POUR - 16,671 LBS.

TOTAL - 32,973 LBS.



TOP VIEW

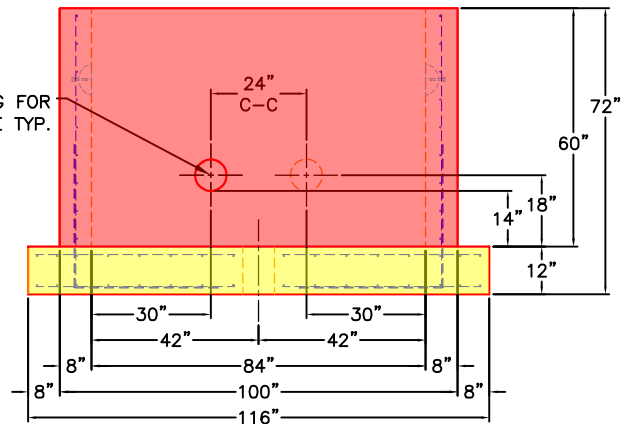
CONBLOCK CDA RED ADMIX REQUIRED



FRONT VIEW

CONBLOCK CDA RED ADMIX REQUIRED

Ø8" OPENING FOR 3" D.I. PIPE TYP.



RIGHT VIEW

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 12"

Height (Int): 60"
 Height (Ext): 72"

Weight (Net): 32973 lb
 Volume (Net): 8.42cu.yd