

Job Name: 26-1331 Fire Meter Installation Contract 225
Job Location: TN
Contractor: Core & Main

Plant: 100

8/12/2026 2:11:19 PM

Tech: Jared - A

PC: Trevor Lewis



Structure ID: Vault

P1 BX108144-08W08F-BAEVF

BX BASE w/FLANGE 08W/08F/12EF

P3) 48" x 48" - HATCH (CAST FLUSH) - 3"
P2) 108" x 144" - CB FLAT TOP 8"W SPECIAL W/ 3 HATCHES - 10"
P1) 108" x 144" - BX BASE w/FLANGE 08W/08F/12EF - 60"

1) SECONDARY POUR - WALLS

1) This Structure Includes a Cast-in Item - 3x Hatches (Provided By Others)

1) 108" x 144" - Conseal CS-102 1.00"

4) Hole - 16

100 lb

12298 lb

39330 lb

0 lb

0 lb

0 lb

0 lb

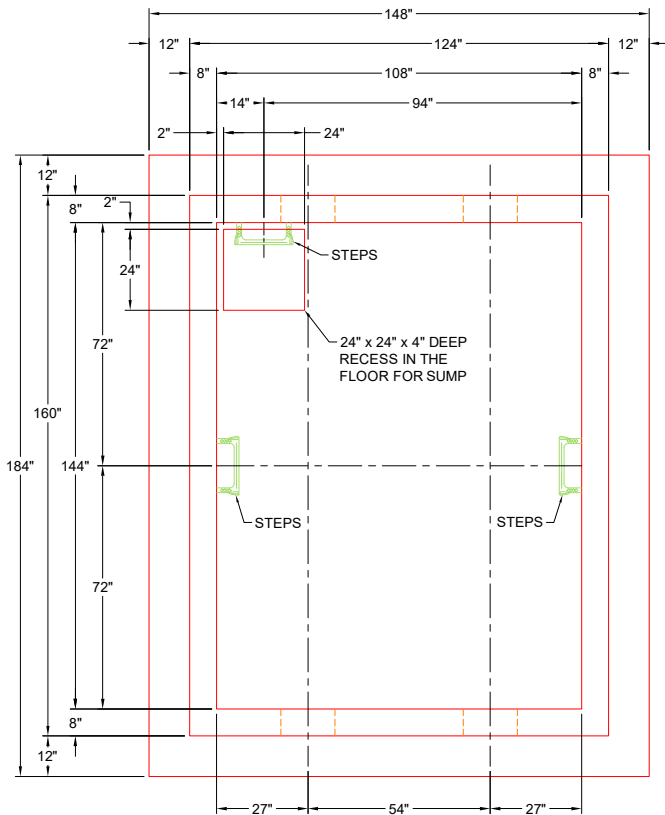
Structure Total:

51728 lb

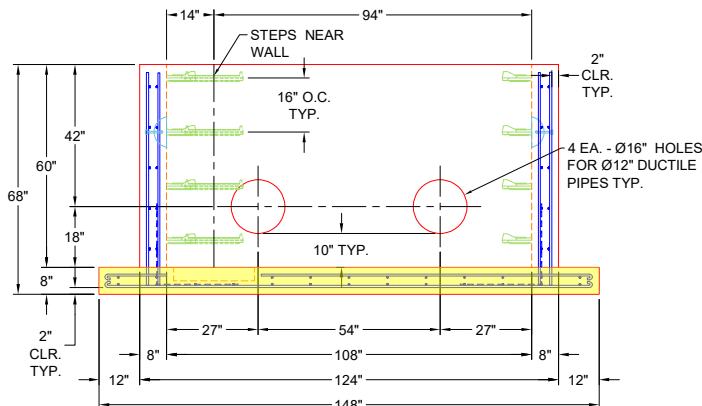
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
SEE REINFORCEMENT INFORMATION PROVIDED BY WINFORD A. PETRONE COMPANY, PLLC.
4. STEPS AT 6" O.C. TYP.
5. TWO ROWS OF CS-102 BUTYL REQ.

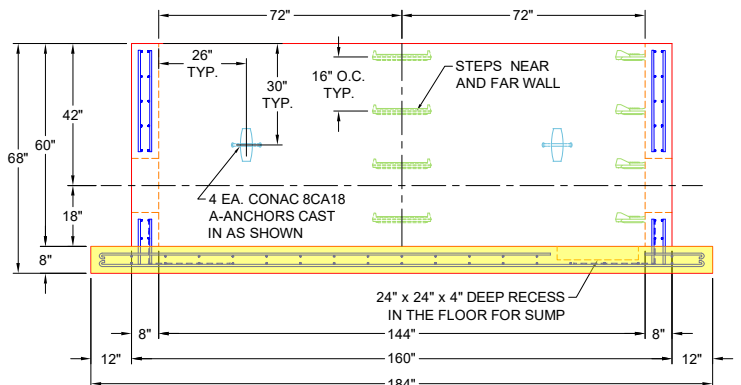
Rim: 5.835' Rim to Invert: 4.862' Slack: 0.02' Sump: 11.68' Step Position:



TOP VIEW



FRONT VIEW



RIGHT VIEW

GENERAL NOTES:

1. MANUFACTURED PER ASTM C-913 (LATEST REVISION)
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. REINFORCEMENT : SEE REINFORCEMENT INFORMATION PROVIDED BY WINFORD A. PETRONE COMPANY, PLLC. PER ASTM A615 (GRADE 60)
4. WEIGHTS:
FIRST POUR = 18,281 LBS
SECOND POUR = 21,049 LBS
TOTAL WEIGHT = 39,330 LBS
5. STEPS AT 16" O.C.(TYP.) PROVIDED BY ICAST (TYP. FOR 3 LOCATIONS).
6. TWO ROWS CS-102 BUTYL MASTIC REQ'D.(PROVIDED BY ICAST)

FIRST POUR DRAWING

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 60"
Height (Ext): 68"

Weight (Net): 39330 lb
Volume (Net): 10.05cu.yd

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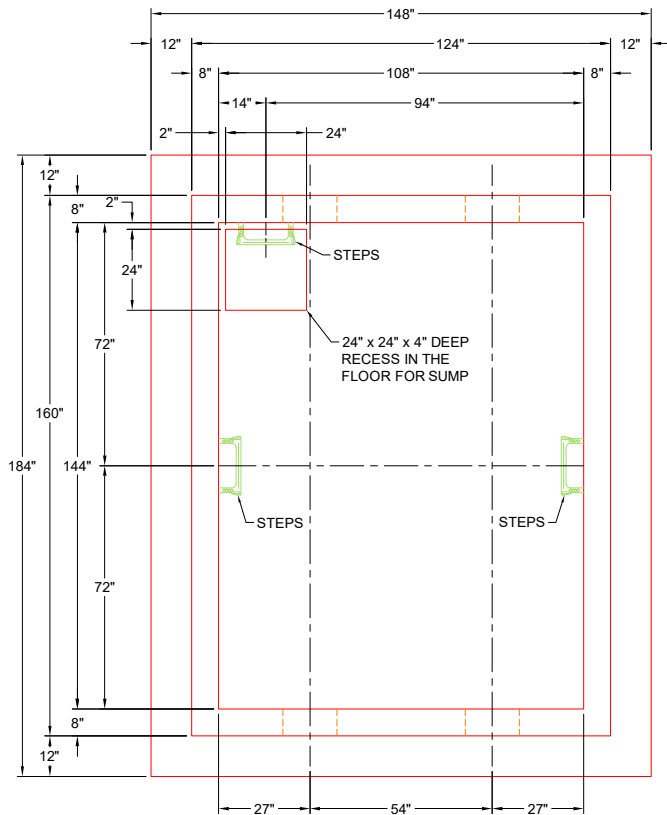
Structure Total:

51728 lb

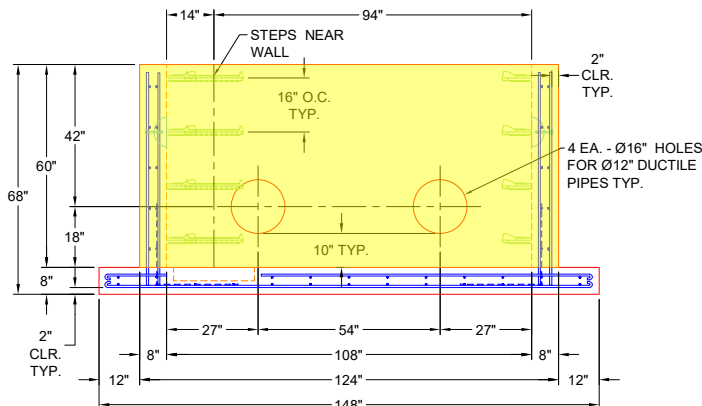
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3. REINFORCING PER ASTM A615 (GRADE 60).
SEE REINFORCEMENT INFORMATION PROVIDED BY WINFORD A. PETRONE COMPANY, PLLC.
4. STEPS AT 6" O.C. TYP.
5. TWO ROWS OF CS-102 BUTYL REQ.

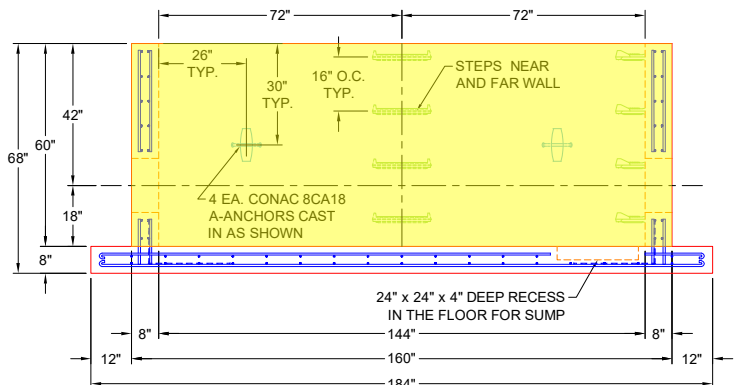
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SECOND POUR DRAWING

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

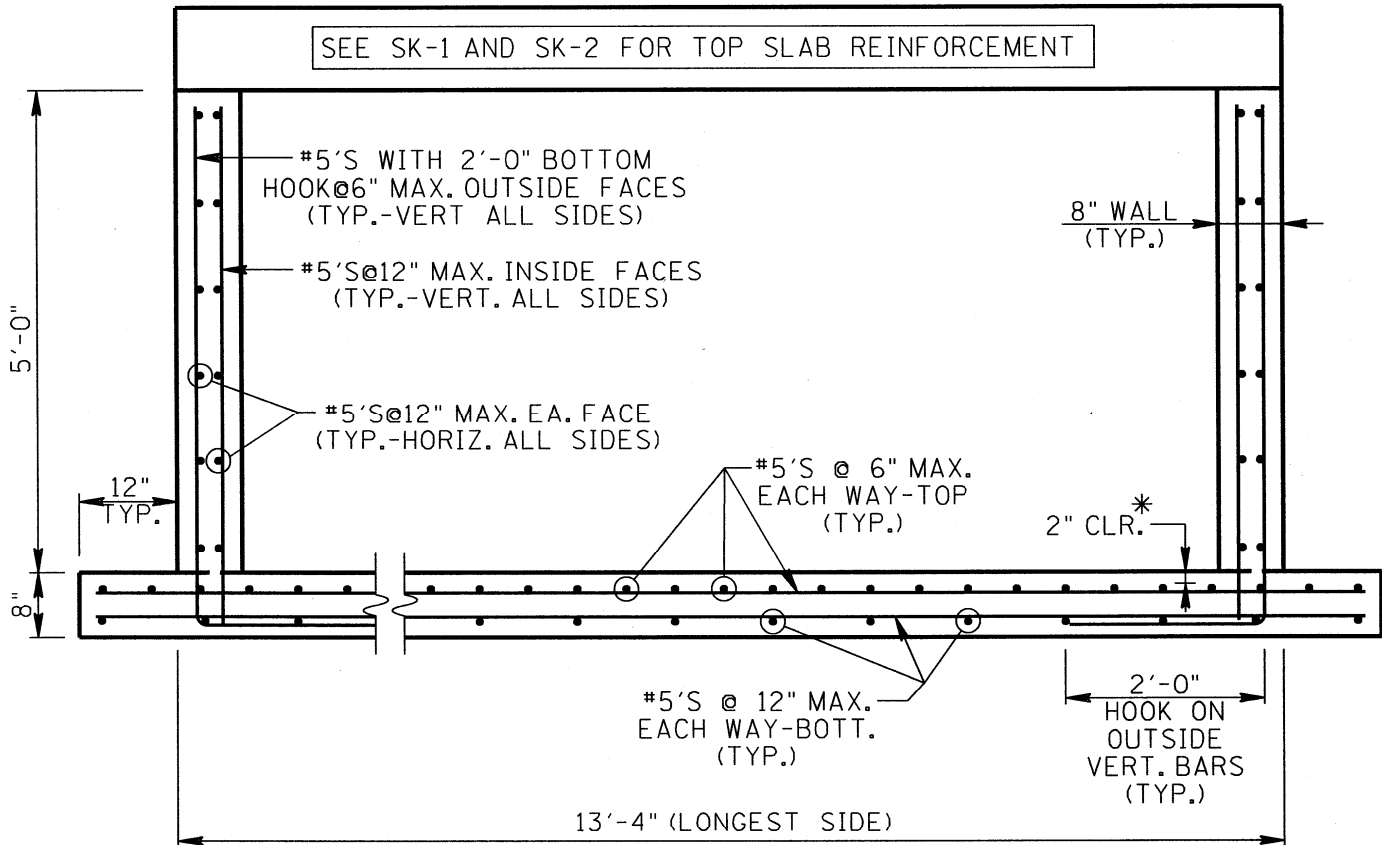
Wall Thickness: 8"
Floor Height: 8"

Height (Int): 60"
Height (Ext): 68"

Weight (Net): 39330 lb
Volume (Net): 10.05cu.yd

NOTE: SEE "PRECAST DESIGN SUBMITTALS CONCRETE COMPONENTS AND FLOTATION DESIGN" SHEET FOR SUMMARY OF BUILDING AND DESIGN CODES, MATERIALS REQUIREMENTS, AND DESIGN LOADS.

NOTE: ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION.



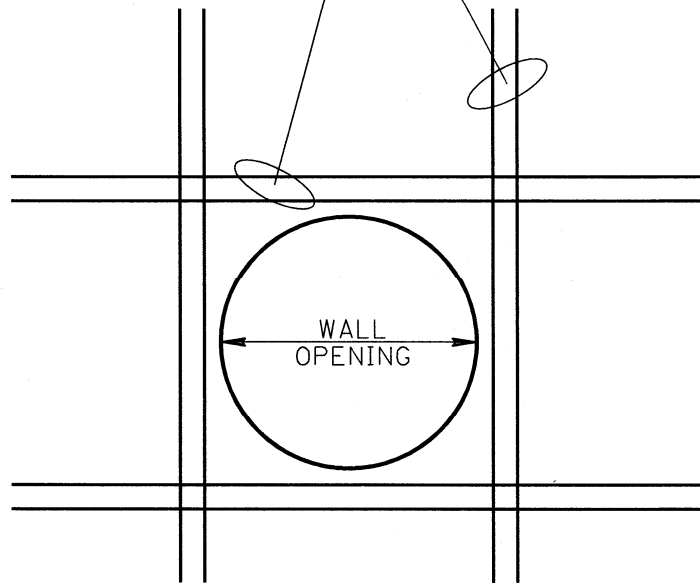
*: THE 2" CLEARANCE TO BE PROVIDED FOR BARS RUNNING ACROSS THE SHORT DIMENSION OF BASE SLAB.

BOTTOM SLAB AND WALL SECTION SHOWING REINFORCEMENT

SK-3

9'X12' FIRE METER VAULT: BASE SECTION WITH WALL
WARREN COUNTY, TN

2-ADDITIONAL #5'S EA. FACE
 (EXTEND 1'-0" BEYOND DIAMETER
 OF OPENING, BARS MAY BE
 TERMINATED AT 2" CLEAR OF
 OUTER SURFACES WHEN 1'-6"
 IS NOT AVAILABLE.)



ADDITIONAL REINFORCMENT
@ WALL OPENINGS



SK-4

SUPPLEMENTAL REINFORCEMENT AT WALL OPENINGS

FIRE METER VAULT

WARREN COUNT, TN