

Job Name: 26-2018 - Hancock County Middle School Addition
 Job Location: Lewisport, KY
 Contractor: Mechanical Consultants Inc

Plant: 100

7/24/2026 1:22:30 PM

Tech: Jared - F

PC: T. Lewis



Structure ID: M.V. MV-1

P1 BX072120-08BAVF

BOX BASE 8inW, 8inF, Variable Ht F/n

- P3) 30" x 30" - HATCH (CAST FLUSH) - 3"
 P2) 72" x 120" - CB FLAT TOP 8"W w/30"x30" HATCH F/F - 8"
 P1) 72" x 120" - BOX BASE 8inW, 8inF, Variable Ht F/n - 64"
 1) HATCH (Alum.) - HALLIDAY W1S 30"x30"
 1) 72" x 120" - Con Seal CS-102 1.00" (Double)
 1) 30" x 30" - Con Seal CS-102 1.00" (Double)
 2) Hole - 10
 1) Hole - 6

100 lb
 7430 lb
 25782 lb
 62 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 33374 lb

Structure Total:

Structure Notes:

- PER ASTM C913 SPECIFICATIONS.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- NO STEPS AND NO INVERT CHANNEL.
- CASTING BY ICAST (HALLIDAY W1S 30"x30")

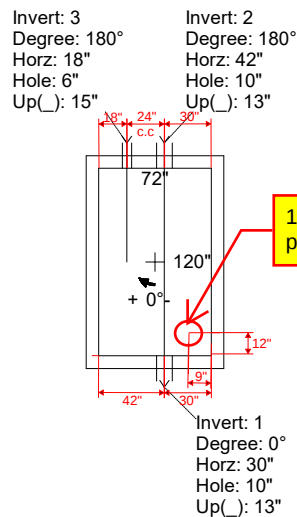
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 8" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

Rim: 6' Rim to Invert: 4.75' Slack: 0" Sump: 15" Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1.25'	0°	38"	6" WATER PIPE	6.25"	Hole 10	10"	10"	13"	-6"
Invert 2	1.25'	180°	50"	6" WATER PIPE	6.25"	Hole 10	10"	10"	13"	6"
Invert 3	1.38'	180°	26"	3" PIPE	3.25"	Hole 6	6"	6"	15"	-18"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

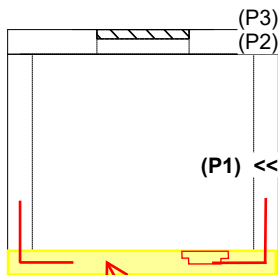


WEIGHTS

FIRST POUR - 8,034 LBS

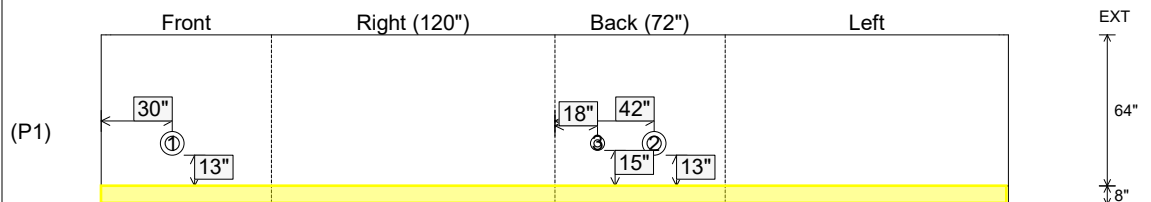
SECOND POUR - 17,748 LBS

TOTAL - 25,782 LBS



**1ST POUR (FLOOR)
 STUB #5 L BARS OUT
 TOP FLOOR, SPA AT
 12" C/C FOR
 CONNECTING WALLS**

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 64"
 Height (Ext): 72"

Weight (Net): 25782 lb
 Volume (Net): 6.59cu.yd

Job Name: 26-2018 - Hancock County Middle School Addition
Job Location: Lewisport, KY
Contractor: Mechanical Consultants Inc

Plant: 100

Tech: Jared - F

7/24/2026 1:22:30 PM

PC: T. Lewis



Structure ID: M.V. MV-1

P1 BX072120-08BAVF

BOX BASE 8inW, 8inF, Variable Ht F/n

P3) 30" x 30" - HATCH (CAST FLUSH) - 3"
P2) 72" x 120" - CB FLAT TOP 8"W w/30"x30" HATCH F/F - 8"
P1) 72" x 120" - BOX BASE 8inW, 8inF, Variable Ht F/n - 64"
1) HATCH (Alum.) - HALLIDAY W1S 30"x30"
1) 72" x 120" - Conseal CS-102 1.00" (Double)
1) 30" x 30" - Conseal CS-102 1.00" (Double)
2) Hole - 10
1) Hole - 6

100 lb
7430 lb
25782 lb
62 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 33374 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HALLIDAY W1S 30"x30")

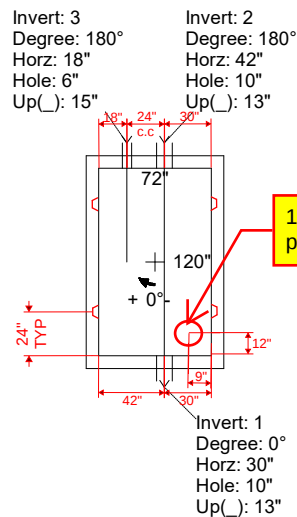
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

Rim: 6' Rim to Invert: 4.75' Slack: 0" Sump: 15" Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1.25'	0°	38"	6" WATER PIPE	6.25"	Hole 10	10"	10"	13"	-6"
Invert 2	1.25'	180°	50"	6" WATER PIPE	6.25"	Hole 10	10"	10"	13"	6"
Invert 3	1.38'	180°	26"	3" PIPE	3.25"	Hole 6	6"	6"	15"	-18"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



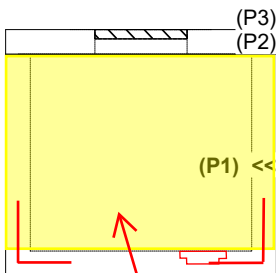
WEIGHTS

FIRST POUR - 8,034 LBS

SECOND POUR - 17,748 LBS

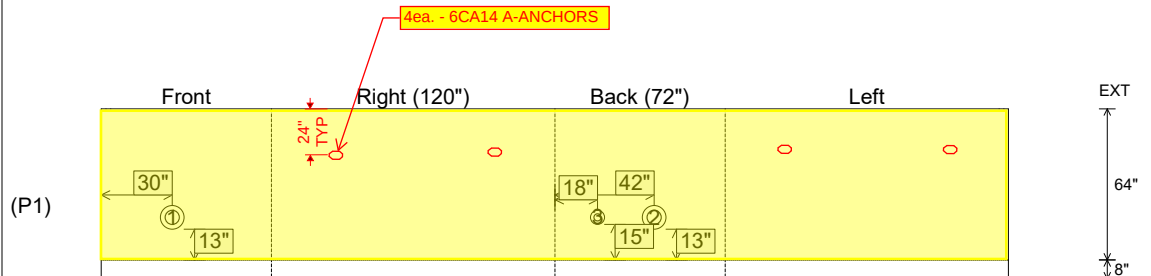
TOTAL - 25,782 LBS

13" Dia. x 4" Deep sump pan w/lid cast-in the floor



2ND POUR (WALLS)

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 64"
Height (Ext): 72"

Weight (Net): 25782 lb
Volume (Net): 6.59cu.yd