

Job Name: 26-1279 Hilltopper Hall Ph. 2

Job Location: Bowling Green, KY

Contractor: Stewart Richey

Plant: Beaver Dam

6/24/2026 8:45:26 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 2-7 ST-CB

P1 BX2424-08BAVF

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

P3) 18" x 18" - CASTING HEIGHT - 4"

P2) 24" x 24" - CB FLAT TOP 8"W w/18"x18" HOLE F/F - 6"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 51"

1) CASTING - HOE 165A F/G

1) 24" x 24" - Conseal CS-102 1.00"

1) 18" x 18" - Conseal CS-102 1.00"

2) Hole - 16

0 lb

642 lb

5165 lb

138 lb

0 lb

0 lb

0 lb

Structure Total: 5946 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

2. CONCRETE = 4,000 PSI AT 28 DAYS.

3. NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE 165-A F/G).

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.

- WALLS (As .12) #5 BARS AT 12" C.C.E.W.

- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 542.83'

Rim to Invert: 5.11'

Slack: 0.32"

Sump: 0"

Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	537.72'	30°	24.619"	12" HDPE	14.5"	Hole 16	16"	18.475"	-1.25"	-6"
Invert 2	537.72'	180°	20"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P3)

(P2)

(P1) <<

Invert: 2

Degree: 180°

Horz: 12"

Hole: 16"

Up() : -1.25"

24"

24"

+ 0°

Invert: 1

Degree: 30°

Horz: 12"

Hole: 16"

Up() : -1.25"

UPSIDE-DOWN VIEW (int. dimenions)

(P3)

(P2)

(P1) <<

Invert: 2

Degree: 180°

Horz: 12"

Hole: 16"

Up() : -1.25"

24"

24"

- 0°+

Invert: 1

Degree: 30°

Horz: 12"

Hole: 16"

Up() : -1.25"

INSIDE WALL DIMENSIONS

(P1)

-1.25"

2

12"

-1.25"

1

12"

Left

Back (24")

Right (24")

Front

8"

51"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 51"

Height (Ext): 59"

Weight (Net): 5165 lb

Volume (Net): 1.32cu.yd