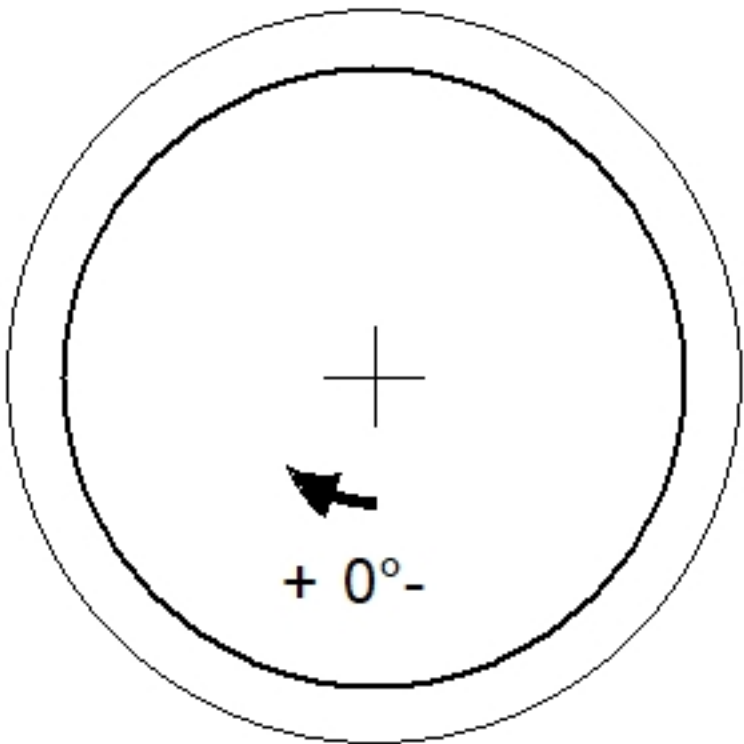
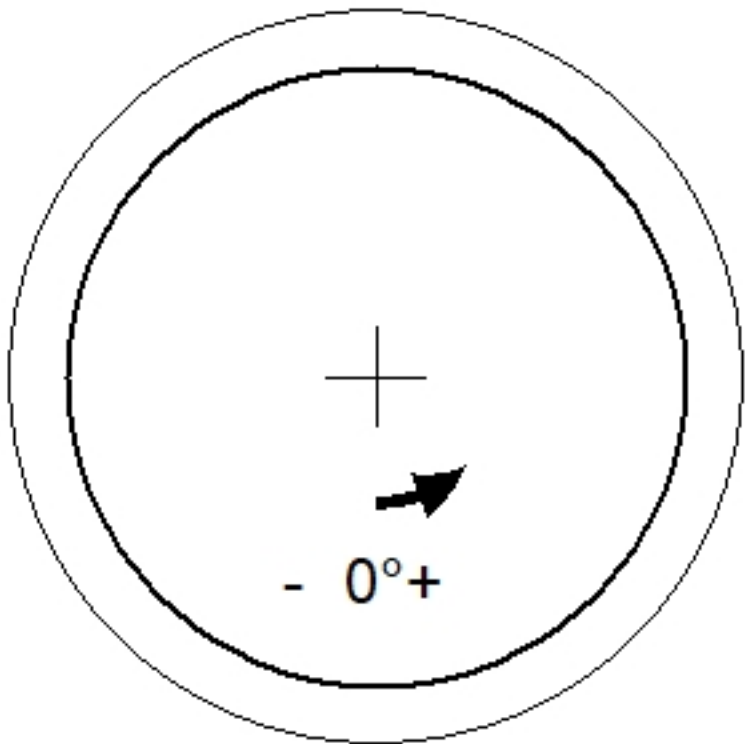
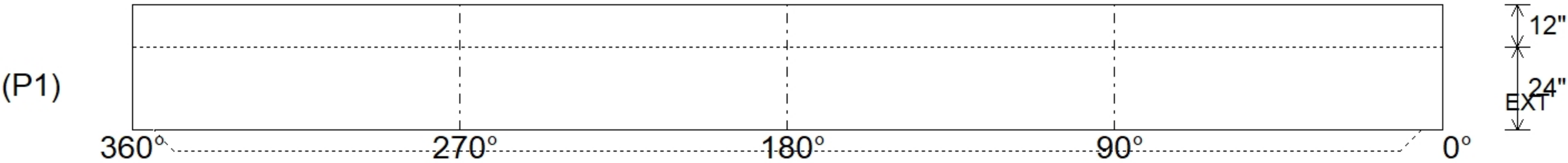


Job Name: 26-3051 ADS Aiken Ridge Ph.2 Job Location: Louisville, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 7/27/2026 1:49:28 PM		Tech: S. Felletter PC: T. Ryan						
Structure ID: WQU1													
P1 MH120BVF			MH BASE T/n										
P7) 24" - CASTING HEIGHT - 7" P6) 24" - GRADE RING F/F - 3" P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18" P4) 120" - MH RISER T/G - 36" P3) 120" - MH RISER T/G - 96" P2) 120" - MH RISER T/G - 96" P1) 120" - MH BASE T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ASSEMBLY REQUIRED - BRACKETS ONLY 1) CASTING - HOE MC-420 F/C Storm LOU-MSD 4) 120" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 2) Hole - 24						0 lb 202 lb 16678 lb 13675 lb 35438 lb 36468 lb 25064 lb 0 lb 0 lb 0 lb 340 lb 0 lb 0 lb 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-420 F/C LOU-MSD "STORM"). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. 5. ASSEMBLY REQUIRED - BRACKETS ONLY. . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .36) - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.					
Rim: 642.5' Rim to Invert: 9.85' Slack: 0.2" Sump: 162" Step Position:						Structure Total: 127865 lb							
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)						UPSIDE-DOWN VIEW (int. dimenions)							
													
INSIDE WALL DIMENSIONS													
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 11" Floor Height: 12"		Height (Int): 24" Height (Ext): 36"		Weight (Net): 25064 lb Volume (Net): 6.4cu.yd			

Job Name: 26-3054 ADS Couchville Online
Job Location: Nashville, TN
Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

7/23/2026 12:30:22 PM

Tech: S. Felletter

PC: T. Ryan



Structure ID: WQU2

P5 MH120LD18

MH FLAT LID w/24in CON Hole F/G

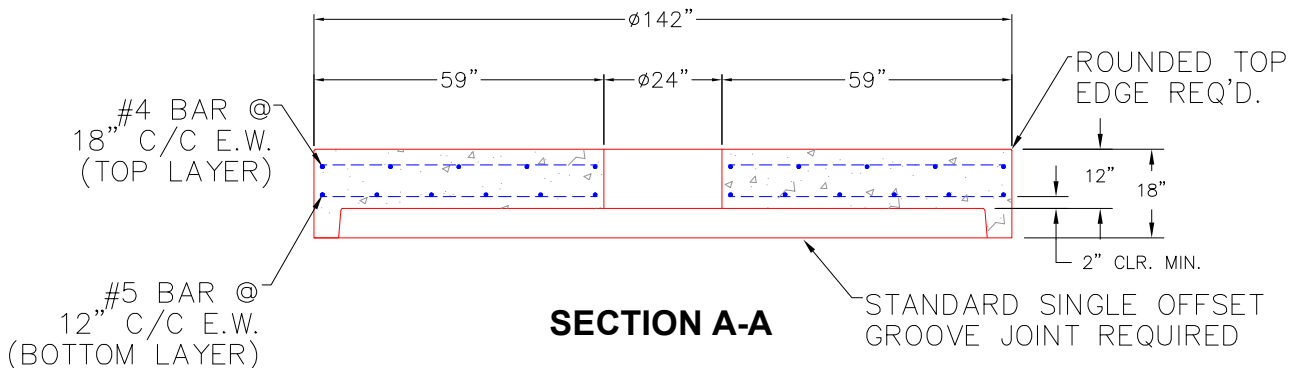
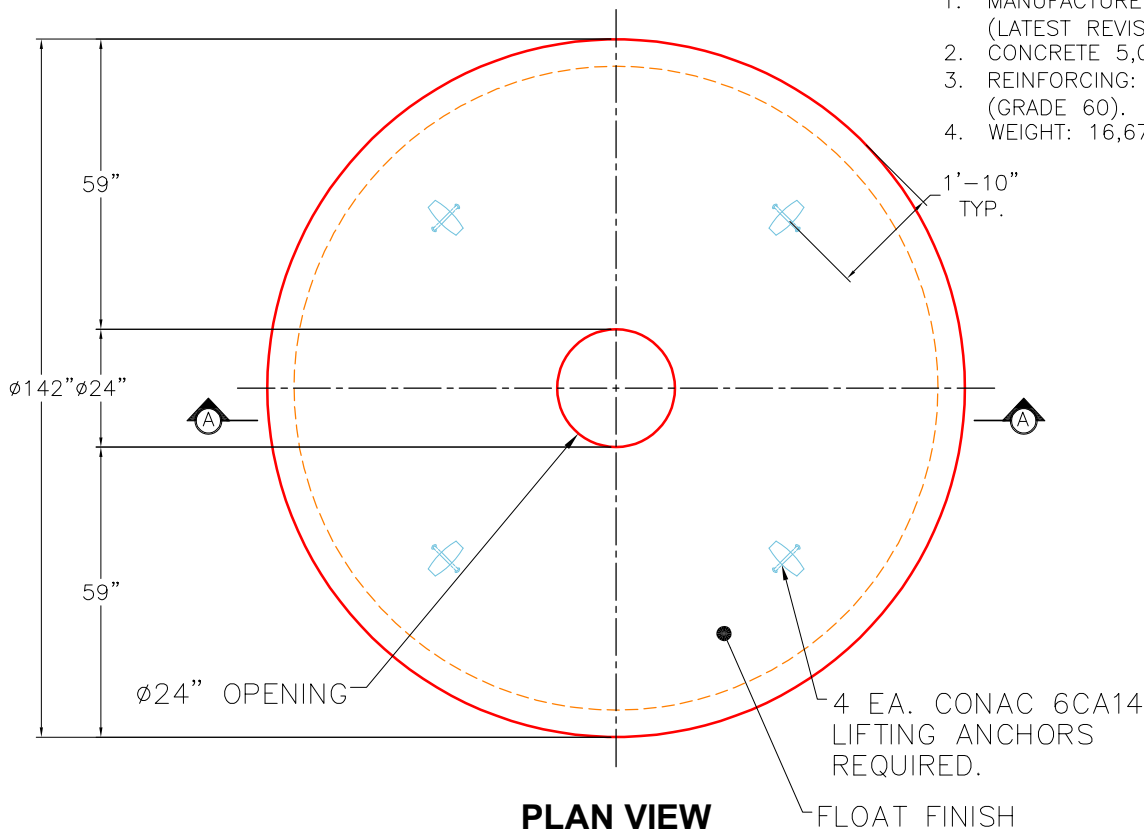
- P6) 24" - CASTING HEIGHT - 7"
P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18"
P4) 120" - MH RISER T/G - 24"
P3) 120" - MH RISER T/G - 96"
P2) 120" - MH RISER Custom Ht T/G - 91"
P1) 120" - MH BASE T/n - 24"
1) ASSEMBLY REQUIRED - BRACKETS ONLY
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) CASTING - HOE MC-375 F/C Storm
4) 120" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) Hole - 34

- 0 lb
16678 lb
9117 lb
34772 lb
34568 lb
25064 lb
0 lb
0 lb
0 lb
271 lb
0 lb
0 lb
0 lb
0 lb
- Structure Notes:**
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-375 F/C "STORM").
4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.
5. ASSEMBLY REQUIRED - BRACKETS ONLY.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .36)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Structure Total: 120470 lb

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 5,000 PSI AT 28 DAYS.
3. REINFORCING: #4 & #5 BAR AS SHOWN (GRADE 60).
4. WEIGHT: 16,678 LBS.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 11"

Height (Ext): 18"

Weight (Net): 16678 lb
Volume (Net): 4.26cu.yd

Job Name: 26-3046 903454 2026 Street Reconstruction
Job Location: Elk River, MN
Contractor: Contech Engineering Solutions

Plant: Beaver Dam
7/17/2026 1:18:24 PM

Tech: S. Felletter
PC: C. Goff



Structure ID: Riser Set 1

P2 MH036LD10-30ECC

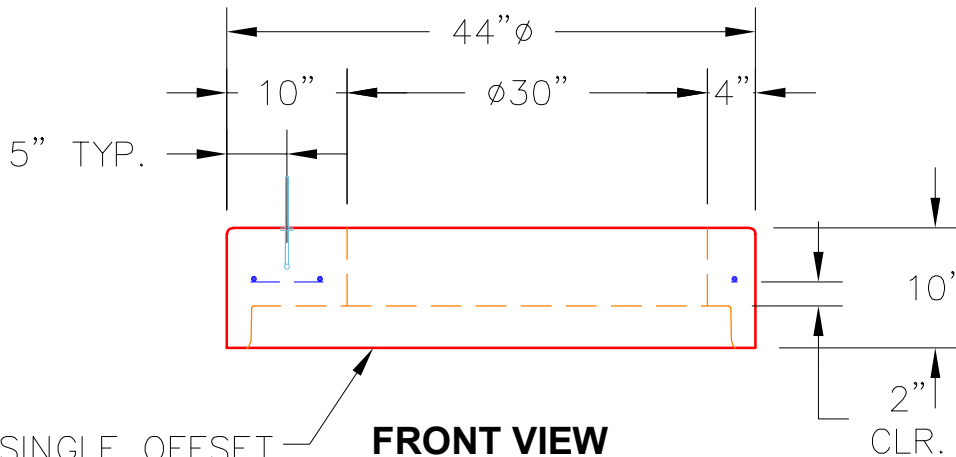
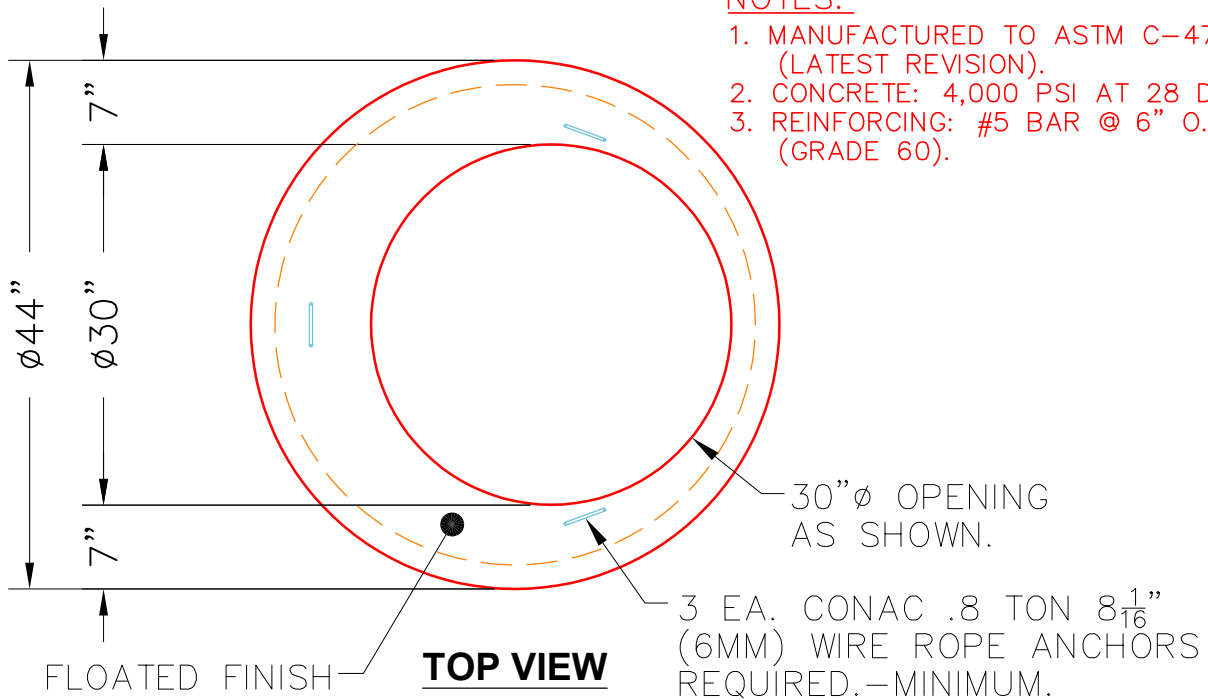
MH FLAT LID w/30in ECC Hole F/G

- P4) 30" - CASTING HEIGHT - 4"
P3) 30" - GRADE RING F/F - 3"
P2) 36" - MH FLAT LID w/30in ECC Hole F/G - 10"
P1) 36" - MH RISER T/F - 54"
1) CVSTENCILING
1) 36" - Conseal CS-102 1.00"
5) MH Step ML-10-TDS-NCR - 10"

- 0 lb
138 lb
683 lb
2278 lb
0 lb
0 lb
0 lb
- Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. 4" CASTING PROVIDED BY OTHERS.
4. CONTECH'S LOGO TO BE STENCILED ONTO THE OUTSIDE OF THE STRUCTURE.

Structure Total: 3099 lb

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .12)



Coating (Int):
Coating (Ext):

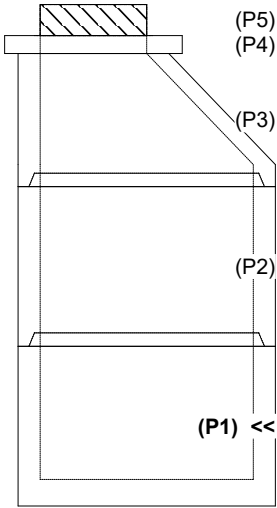
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 4"

Height (Ext): 10"

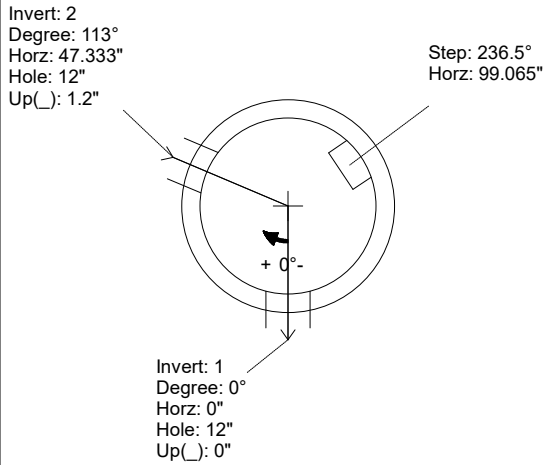
Weight (Net): 683 lb
Volume (Net): 0.17cu.yd

Job Name: 25-4490P1 Heartland Meadows Subdivision Job Location: Elizabethtown, KY 40165 Contractor: Kauffeld Brothers Construction					Plant: 100 7/23/2026 12:03:39 PM		Tech: Jared - A PC: Celina Goff				
Structure ID: MH 1-2 (7)											
P1		MH048BA30		MH BASE							
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING - 4" P3) 48" - ECC CONE w/ 24" HOLE - 30" P2) 48" - MH RISER - 36" P1) 48" - MH BASE - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2050 lb 2515 lb 3330 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 0 lb 16 lb 0 lb Structure Total: 9892 lb		Structure Notes: 1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 880.4'		Rim to Invert: 8.75'		Slack: 0"		Sump: 2"		Step Position: 236.5°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	871.65'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	871.75'	113°	57.194"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P5)
(P4)
(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

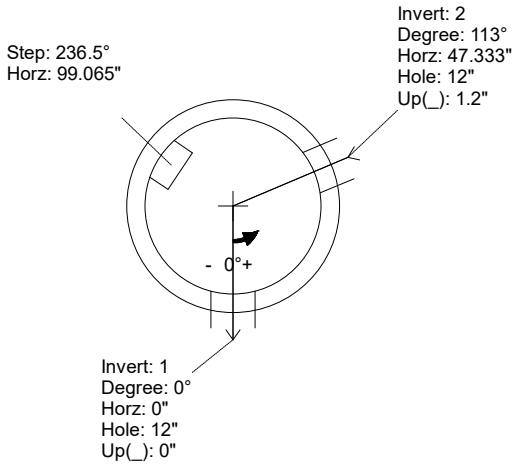


Invert: 2
Degree: 113°
Horz: 47.333"
Hole: 12"
Up(): 1.2"

Step: 236.5°
Horz: 99.065"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

UPSIDE-DOWN VIEW (int. dimensions)

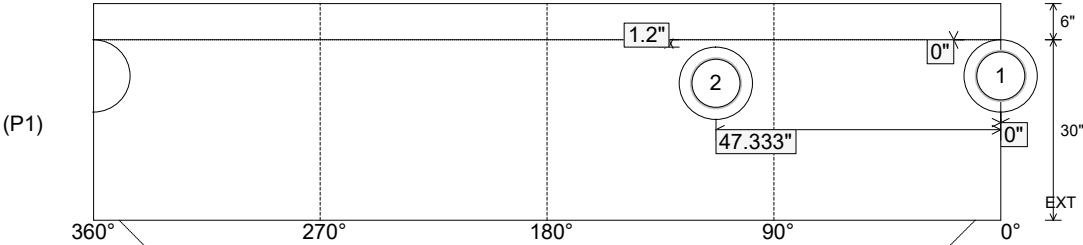


Step: 236.5°
Horz: 99.065"

Invert: 2
Degree: 113°
Horz: 47.333"
Hole: 12"
Up(): 1.2"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

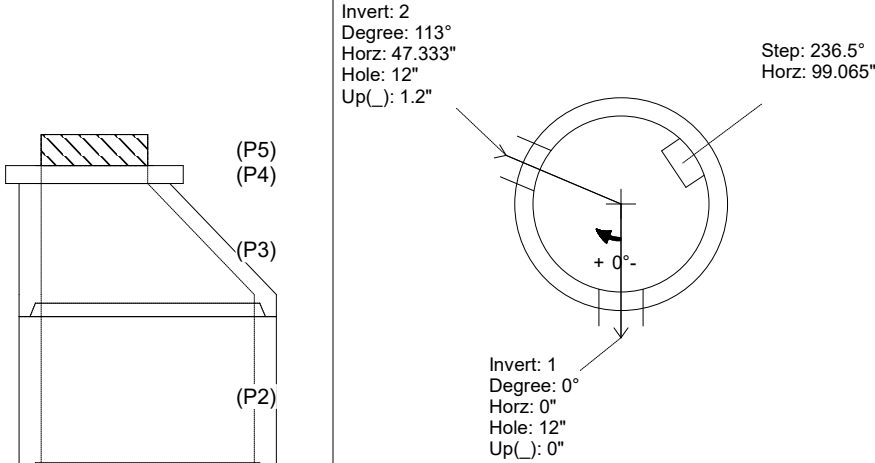
1.2" 0" 30" 6"

EXT

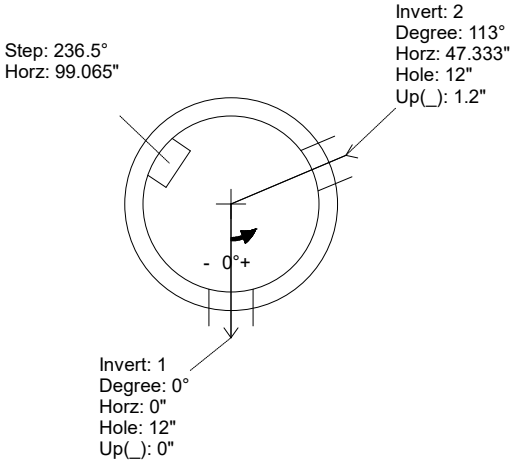
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
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Job Name: 25-4490P1 Heartland Meadows Subdivision					Plant: 100		Tech: Jared - A			
Job Location: Elizabethtown, KY 40165					7/23/2026 12:03:39 PM		PC: Celina Goff			
Contractor: Kauffeld Brothers Construction										
Structure ID: MH 1-2 (7)										
P1 MH048BA30					MH BASE					
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING - 4" P3) 48" - ECC CONE w/ 24" HOLE - 30" P2) 48" - MH RISER - 36" P1) 48" - MH BASE - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2050 lb 2515 lb 3330 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb 16 lb 0 lb Structure Total: 9892 lb		Structure Notes: 1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 880.4' Rim to Invert: 8.75' Slack: 0" Sump: 2" Step Position: 236.5°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	871.65'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	871.75'	113°	57.194"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

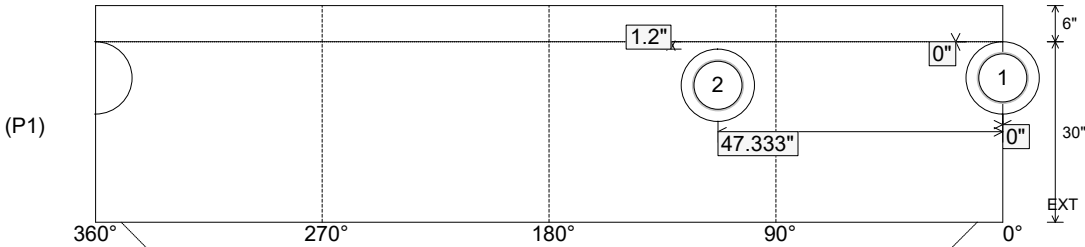
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
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Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

7/23/2026 12:03:38 PM

Tech: Jared - A

PC: Celina Goff

Structure ID: MH 1-3 (6)

P1 MH048BA30

MH BASE

P5) 24" - CASTING HEIGHT - 7"

P4) 24" - GRADE RING - 6"

P3) 48" - ECC CONE w/ 24" HOLE - 42"

P2) 48" - MH RISER - 60"

P1) 48" - MH BASE - 30"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) CASTING - HOE MC-375 F/C Sanitary

2) 48" - Conseal CS-102 1.00" (Double)

2) 24" - Conseal CS-102 1.00" (Double)

3) PSX - 12-08 NYLO

11) MH Step ML-10-TDS-NCR - 10"

0 lb

405 lb

3200 lb

4192 lb

3282 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

24 lb

0 lb

Structure Total: 12814 lb

Structure Notes:

1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST.

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 877.89' Rim to Invert: 12.03' Slack: 1.36" Sump: 2" Step Position: 73.5°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	865.86'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	865.96'	147°	74.403"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3	865.96'	238°	120.463"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 30"

Height (Ext): 36"

Weight (Net): 3282 lb

Volume (Net): 0.84cu.yd

Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

7/23/2026 12:03:38 PM

Tech: Jared - A

PC: Celina Goff

Structure ID: MH 1-3 (6)

P1 MH048BA30

MH BASE

P5) 24" - CASTING HEIGHT - 7"

P4) 24" - GRADE RING - 6"

P3) 48" - ECC CONE w/ 24" HOLE - 42"

P2) 48" - MH RISER - 60"

P1) 48" - MH BASE - 30"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) CASTING - HOE MC-375 F/C Sanitary

2) 48" - Conseal CS-102 1.00" (Double)

2) 24" - Conseal CS-102 1.00" (Double)

3) PSX - 12-08 NYLO

11) MH Step ML-10-TDS-NCR - 10"

0 lb

405 lb

3200 lb

4192 lb

3282 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

24 lb

0 lb

Structure Total: 12814 lb

Structure Notes:

1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST.

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

INVERT CHANNEL DRAWING

Rim: 877.89'

Rim to Invert: 12.03'

Slack: 1.36"

Sump: 2"

Step Position: 73.5°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	865.86'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	865.96'	147°	74.403"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3	865.96'	238°	120.463"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 30"

Height (Ext): 36"

Weight (Net): 3282 lb

Volume (Net): 0.84cu.yd



Weight (Net): 3673 lb
Volume (Net): 0.94cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100		Tech: Jared - A			
					6/4/2026 4:53:07 PM		PC: J. Jarvis			
Structure ID: 541										
P1 MH048BA54			MH BASE T/n							
P3) 24" - CASTING HEIGHT - 8" P2) 48" - ECC CONE w/ 24" HOLE F/G - 24" P1) 48" - MH BASE T/n - 54" 1) CASTING - HOE KY-510 F/C (KY TY.2) 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 24 6) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 4708 lb 510 lb 0 lb 0 lb 0 lb 0 lb ----- 6768 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC MH A / ASTM C-478 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STORM INVERT 5. STEPS AT 270 DEGREES 6. KY-510 FRAME & COVER "STORM" SUPPLIED BY ICAST			
Rim: 834.91' Rim to Invert: 6.96' Slack: 0.52" Sump: 3" Step Position: 270°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	827.95'	0°	0"	18" ADS N-12	22"	Hole 24	24"	25.133"	0"	0"
Invert 2	827.95'	125°	63.25"	18" ADS N-12	22"	Hole 24	24"	25.133"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

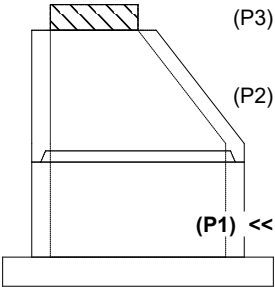
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

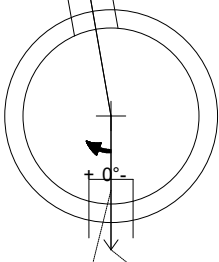
Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 54"
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 60"
		Weight (Net): 4708 lb Volume (Net): 1.2cu.yd	

Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:58 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH B4											
P1 MH048BAEVF		MH BASE w/FLANGE (08F/08EF)									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 36" P1) 48" - MH BASE w/FLANGE (08F/08EF) - 26" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO					0 lb 3000 lb 4608 lb 0 lb 0 lb 1440 lb 340 lb 0 lb 0 lb 16 lb ----- Structure Total: 9404 lb		Structure Notes: 1. HOE MC-420 F/C SANITARY PROVIDED BY ICAST 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 817.59' Rim to Invert: 5.59' Slack: 0.08" Sump: 2" Step Position: 0											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	812'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	812.1'	170°	86.045"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 170°
Horz: 71.209"
Hole: 12"
Up(): 1.2"

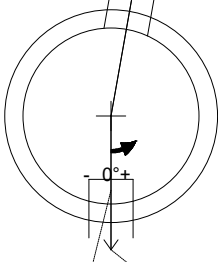


Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

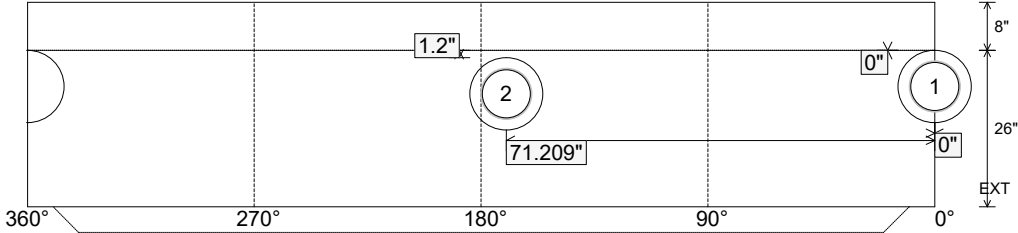
Invert: 2
Degree: 170°
Horz: 71.209"
Hole: 12"
Up(): 1.2"



Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

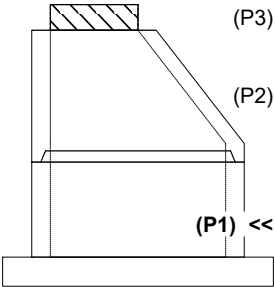
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Horz: 0"

INSIDE WALL DIMENSIONS



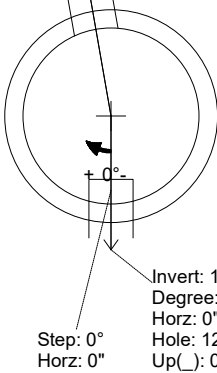
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 26" Height (Ext): 34"	Weight (Net): 4608 lb Volume (Net): 1.18cu.yd
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Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:58 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH B4											
P1 MH048BAEVF		MH BASE w/FLANGE (08F/08EF)									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 36" P1) 48" - MH BASE w/FLANGE (08F/08EF) - 26" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO					0 lb 3000 lb 4608 lb 0 lb 0 lb 1440 lb 340 lb 0 lb 0 lb 16 lb ----- Structure Total: 9404 lb		Structure Notes: 1. HOE MC-420 F/C SANITARY PROVIDED BY ICAST 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W. INVERT CHANNEL DRAWING FULL HEIGHT INVERT				
Rim: 817.59' Rim to Invert: 5.59' Slack: 0.08" Sump: 2" Step Position: 0											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	812'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	812.1'	170°	86.045"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 170°
Horz: 71.209"
Hole: 12"
Up(): 1.2"

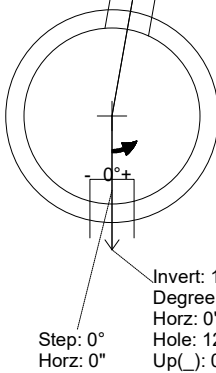


Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

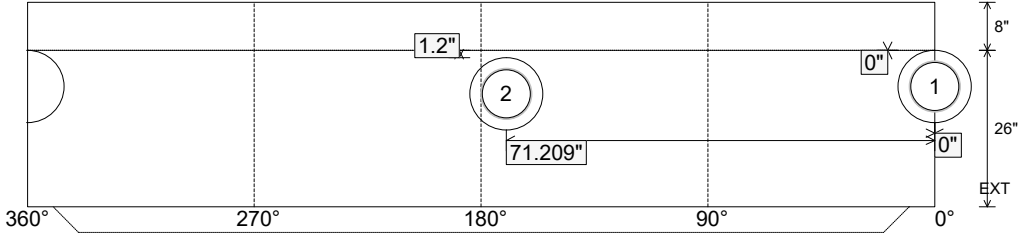
Invert: 2
Degree: 170°
Horz: 71.209"
Hole: 12"
Up(): 1.2"



Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 26" Height (Ext): 34"	Weight (Net): 4608 lb Volume (Net): 1.18cu.yd
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Job Name: 26-1635 - KYTC Oldham Co (261505) Job Location: Peewee Valley, KY Contractor: Cleary Construction, Inc.					Plant: 100		Tech: Jared - F			
					7/22/2026 12:46:23 PM		PC: T. Ryan			
Structure ID: 36525-143 MHA										
P1 MH048BAVF			MH BASE Custom Ht T/n							
P3) 24" - CASTING HEIGHT - 4" P2) 48" - MH FLAT LID w/24in ECC Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 69" 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 28 1) Hole - 18 6) MH Step ML-10-TDS-NCR - 10"						0 lb 1561 lb 5496 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 7057 lb		Structure Notes: **KYTC STATE PROJECT** 1. PER KYTC MH A / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE KY-206 F/C (KY TY1)). 4. INVERT BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60.) - TOP SLAB (As. 62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As.12). - FLOOR (As.31) #5 BARS AT 12" C.C.E.W.		
Rim: 810.51' Rim to Invert: 6.92' Slack: 0.04" Sump: 2" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	803.59'	0°	1"	24" CMP	25"	Hole 28	28"	29.941"	0"	1"
Invert 2	805.69'	196°	99.25"	24" CMP	25"	Hole 28	28"	29.896"	25.25"	0"
Invert 3	803.59'	298°	150.875"	15" CMP	16"	Hole 18	18"	18.451"	0.5"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 69" Height (Ext): 75"	Weight (Net): 5496 lb Volume (Net): 1.4cu.yd
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Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

7/23/2026 12:03:38 PM

Tech: Jared - A

PC: Celina Goff

Structure ID: MH 1-4 (5)

P1 MH048BAVF

MH BASE Custom Ht

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - ECC CONE w/ 24" HOLE - 36"

P3) 48" - MH RISER - 48"

P2) 48" - MH RISER - 48"

P1) 48" - MH BASE Custom Ht - 32"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) CASTING - HOE MC-375 F/C Sanitary

3) 48" - Conseal CS-102 1.00" (Double)

1) 24" - Conseal CS-102 1.00" (Double)

3) PSX - 12-08 NYLO

1) PSX - 12-06 NYLO

13) MH Step ML-10-TDS-NCR - 10"

0 lb

3000 lb

3353 lb

3353 lb

3374 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

24 lb

8 lb

0 lb

Structure Total: 14824 lb

Structure Notes:

1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST.

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 876.3'

Rim to Invert: 14.1'

Slack: 0.2"

Sump: 2"

Step Position: 310.5"

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	862.2'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	862.31'	95°	48.084"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.32"	0"
Invert 3	862.31'	183°	92.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.32"	0"
Invert 4	862.23'	261°	132.104"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0.36"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 32"

Height (Ext): 38"

Weight (Net): 3374 lb

Volume (Net): 0.86cu.yd

Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

7/23/2026 12:03:38 PM

Tech: Jared - A

PC: Celina Goff

Structure ID: MH 1-4 (5)

P1 MH048BAVF

MH BASE Custom Ht

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - ECC CONE w/ 24" HOLE - 36"

P3) 48" - MH RISER - 48"

P2) 48" - MH RISER - 48"

P1) 48" - MH BASE Custom Ht - 32"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) CASTING - HOE MC-375 F/C Sanitary

3) 48" - Conseal CS-102 1.00" (Double)

1) 24" - Conseal CS-102 1.00" (Double)

3) PSX - 12-08 NYLO

1) PSX - 12-06 NYLO

13) MH Step ML-10-TDS-NCR - 10"

0 lb

3000 lb

3353 lb

3353 lb

3374 lb

1440 lb

0 lb

0 lb

0 lb

271 lb

0 lb

0 lb

24 lb

8 lb

0 lb

Structure Total: 14824 lb

Structure Notes:

1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST.

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

INVERT CHANNEL DRAWING

Rim: 876.3'

Rim to Invert: 14.1'

Slack: 0.2"

Sump: 2"

Step Position: 310.5"

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	862.2'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	862.31'	95°	48.084"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.32"	0"
Invert 3	862.31'	183°	92.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.32"	0"
Invert 4	862.23'	261°	132.104"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0.36"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 32"

Height (Ext): 38"

Weight (Net): 3374 lb

Volume (Net): 0.86cu.yd

Job Name: 25-4490P1 Heartland Meadows Subdivision Job Location: Elizabethtown, KY 40165 Contractor: Kauffeld Brothers Construction					Plant: 100		Tech: Jared - A			
					7/23/2026 12:03:37 PM		PC: Celina Goff			

Structure ID: MH 1-5 (4)
P1 MH048BAVF

MH BASE Custom Ht

P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE - 42" P2) 48" - MH RISER - 72" P1) 48" - MH BASE Custom Ht - 34" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 12) MH Step ML-10-TDS-NCR - 10"	0 lb 3200 lb 5030 lb 3562 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 0 lb 16 lb 8 lb 0 lb Structure Total: 13527 lb	Structure Notes: 1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
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Rim: 872.69'

Rim to Invert: 12.79'

Slack: 0.48"

Sump: 2"

Step Position: 269°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	859.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	860'	93°	47.072"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.2"	0"
Invert 3	860'	178°	90.094"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 34" Height (Ext): 40"	Weight (Net): 3562 lb Volume (Net): 0.91cu.yd
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Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

7/23/2026 12:03:37 PM

Tech: Jared - A

PC: Celina Goff



Structure ID: MH 1-5 (4)

P1 MH048BAVF

MH BASE Custom Ht

P4) 24" - CASTING HEIGHT - 7"

P3) 48" - ECC CONE w/ 24" HOLE - 42"

P2) 48" - MH RISER - 72"

P1) 48" - MH BASE Custom Ht - 34"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) CASTING - HOE MC-375 F/C Sanitary

2) 48" - Conseal CS-102 1.00" (Double)

1) 24" - Conseal CS-102 1.00" (Double)

2) PSX - 12-08 NYLO

1) PSX - 12-06 NYLO

12) MH Step ML-10-TDS-NCR - 10"

0 lb

3200 lb

5030 lb

3562 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

16 lb

8 lb

0 lb

Structure Total: 13527 lb

Structure Notes:

1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST.

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 872.69'

Rim to Invert: 12.79'

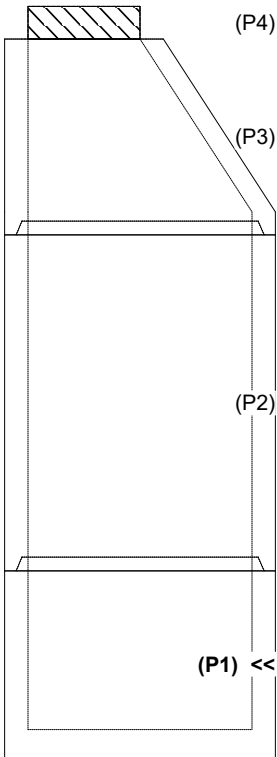
Slack: 0.48"

Sump: 2"

Step Position: 269°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	859.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	860'	93°	47.072"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.2"	0"
Invert 3	860'	178°	90.094"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



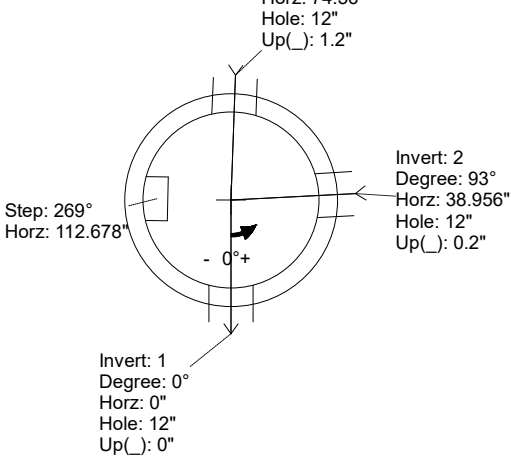
Invert: 3
Degree: 178°
Horz: 74.56"
Hole: 12"
Up(): 1.2"

Invert: 2
Degree: 93°
Horz: 38.956"
Hole: 12"
Up(): 0.2"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

Step: 269°
Horz: 112.678"

UPSIDE-DOWN VIEW (int. dimensions)



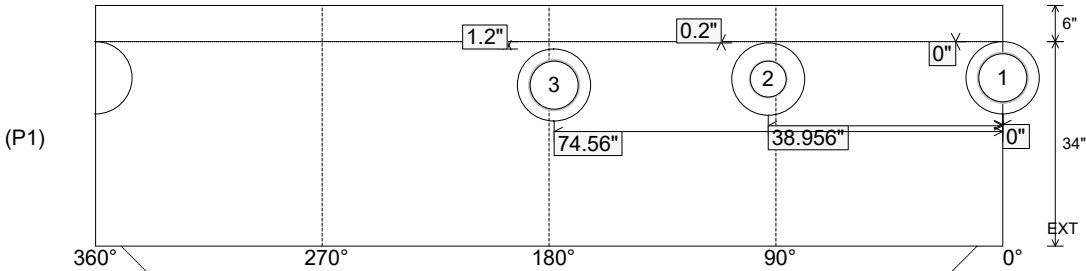
Invert: 3
Degree: 178°
Horz: 74.56"
Hole: 12"
Up(): 1.2"

Invert: 2
Degree: 93°
Horz: 38.956"
Hole: 12"
Up(): 0.2"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

Step: 269°
Horz: 112.678"

INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 34"

Height (Ext): 40"

Weight (Net): 3562 lb

Volume (Net): 0.91cu.yd

INVERT CHANNEL DRAWING

Job Name: 25-4490P1 Heartland Meadows Subdivision Job Location: Elizabethtown, KY 40165 Contractor: Kauffeld Brothers Construction					Plant: 100		Tech: Jared - A			
					7/23/2026 12:03:36 PM		PC: Celina Goff			
Structure ID: MH 1-6 (3)										
P1 MH048BAVF			MH BASE Custom Ht							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE - 42" P2) 48" - MH RISER - 48" P1) 48" - MH BASE Custom Ht - 34" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 10) MH Step ML-10-TDS-NCR - 10"					0 lb 3200 lb 3353 lb 3610 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Structure Total:					11890 lb					
Rim: 869.97' Rim to Invert: 10.79' Slack: 0.48" Sump: 2" Step Position: 256.5°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	859.18'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	859.28'	153°	77.44"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 34" Height (Ext): 40"	Weight (Net): 3610 lb Volume (Net): 0.92cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

7/23/2026 12:03:36 PM

Tech: Jared - A

PC: Celina Goff



Structure ID: MH 1-6 (3)

P1 MH048BAVF

MH BASE Custom Ht

P4) 24" - CASTING HEIGHT - 7"

P3) 48" - ECC CONE w/ 24" HOLE - 42"

P2) 48" - MH RISER - 48"

P1) 48" - MH BASE Custom Ht - 34"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) CASTING - HOE MC-375 F/C Sanitary

2) 48" - Conseal CS-102 1.00" (Double)

1) 24" - Conseal CS-102 1.00" (Double)

2) PSX - 12-08 NYLO

10) MH Step ML-10-TDS-NCR - 10"

0 lb

3200 lb

3353 lb

3610 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

16 lb

0 lb

Structure Total: 11890 lb

Structure Notes:

1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST.

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 869.97'

Rim to Invert: 10.79'

Slack: 0.48"

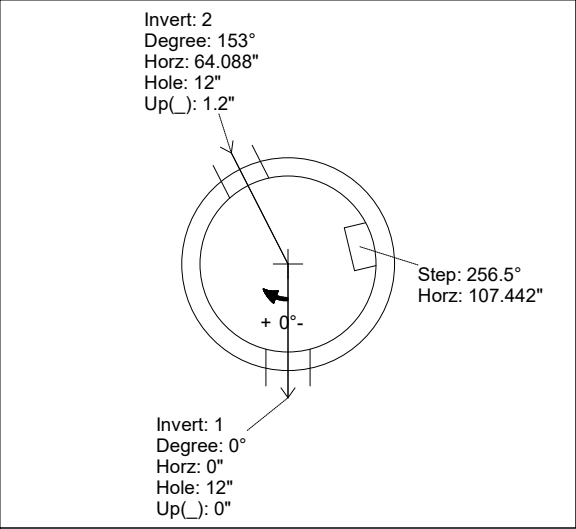
Sump: 2"

Step Position: 256.5°

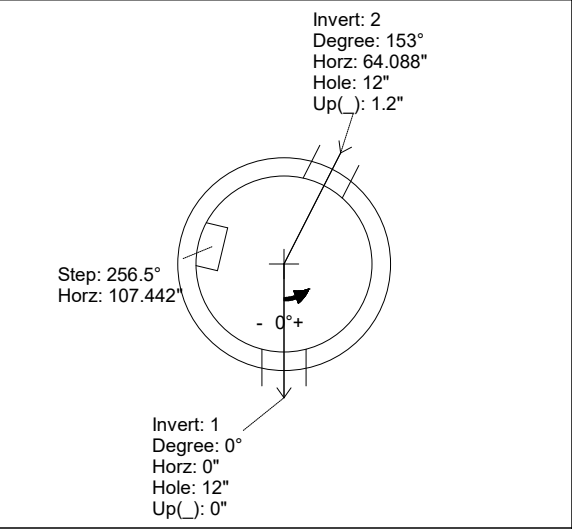
INVERT CHANNEL DRAWING

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	859.18'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	859.28'	153°	77.44"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

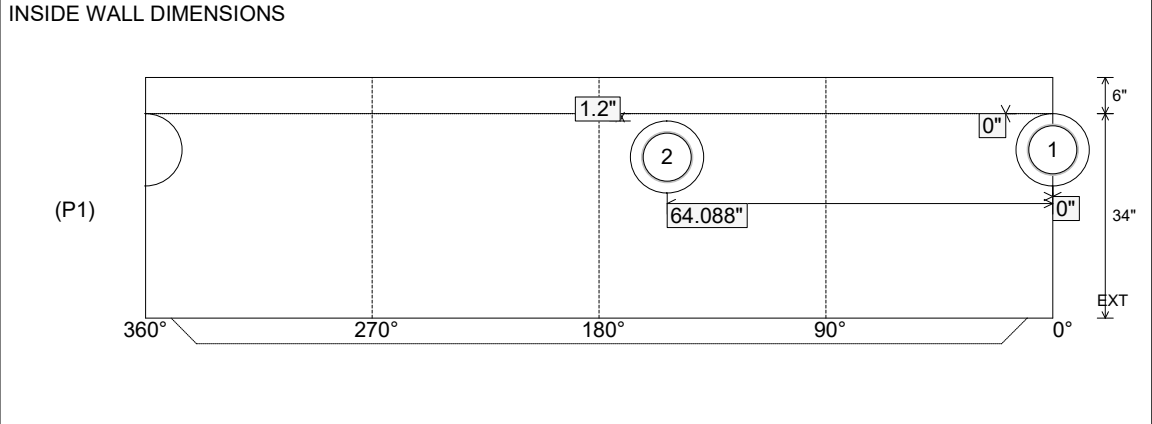
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 34"

Height (Ext): 40"

Weight (Net): 3610 lb

Volume (Net): 0.92cu.yd

Job Name: 26-2146 - Fairview Apartments
Job Location: Russell Springs, KY 42642
Contractor: Dirt Design Construction LLC

Plant: 100

8/3/2026 11:47:18 AM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 19 ST-DCB

P2 MH048LD07S

MH FLAT TOP w/32"x32" Hole

P3) 32" x 32" - CASTING HEIGHT - 3"
P2) 48" - MH FLAT TOP w/32"x32" Hole - 7"
P1) 48" - MH BASE Custom Ht - 23"
1) 48" - Con Seal CS-102 1.00"
2) Hole - 20

0 lb
950 lb
2696 lb
0 lb
0 lb

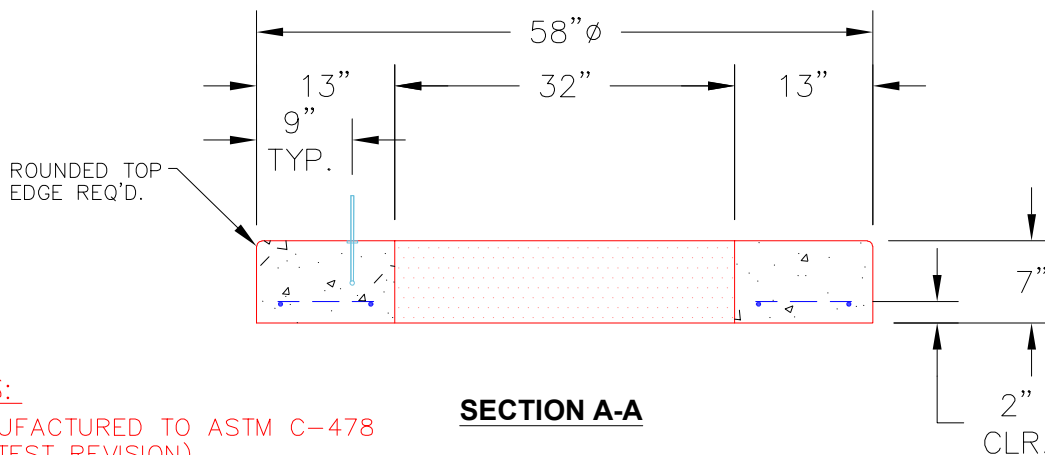
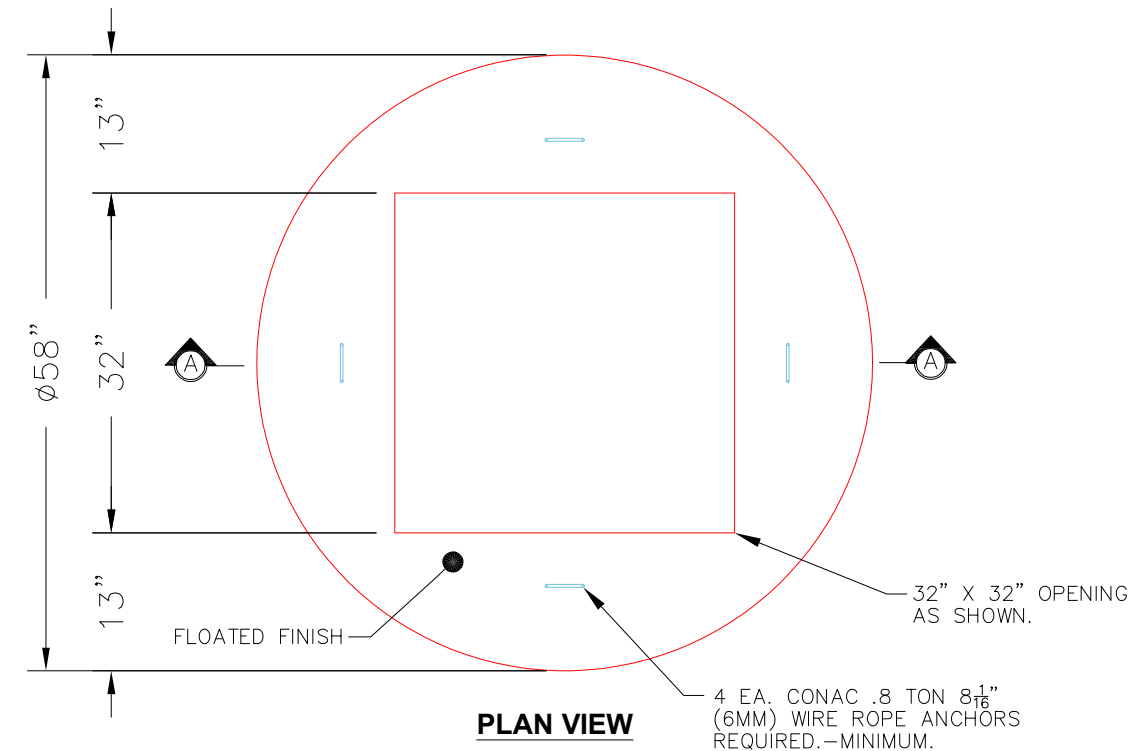
Structure Total: 3647 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY OTHERS (HOE 595 F/G)

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB = H20 LOADING.
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: H20 LOADING #5 BAR @ 6" O.C. E.W. (GRADE 60).

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

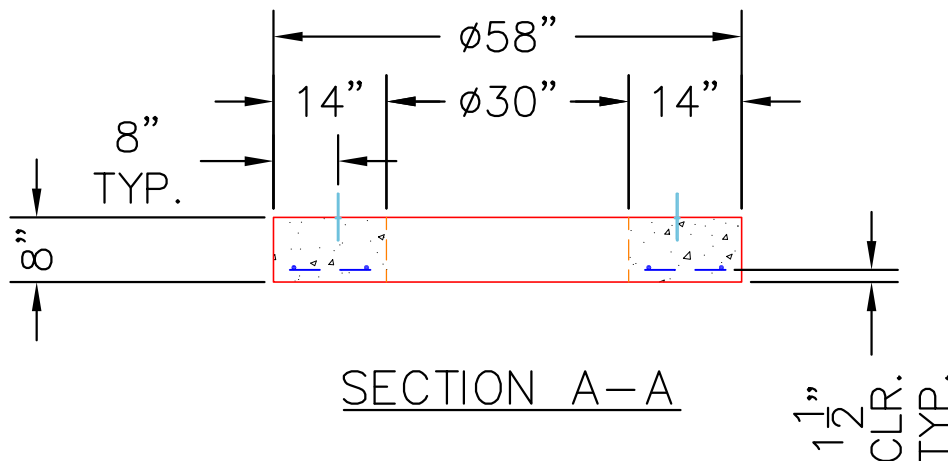
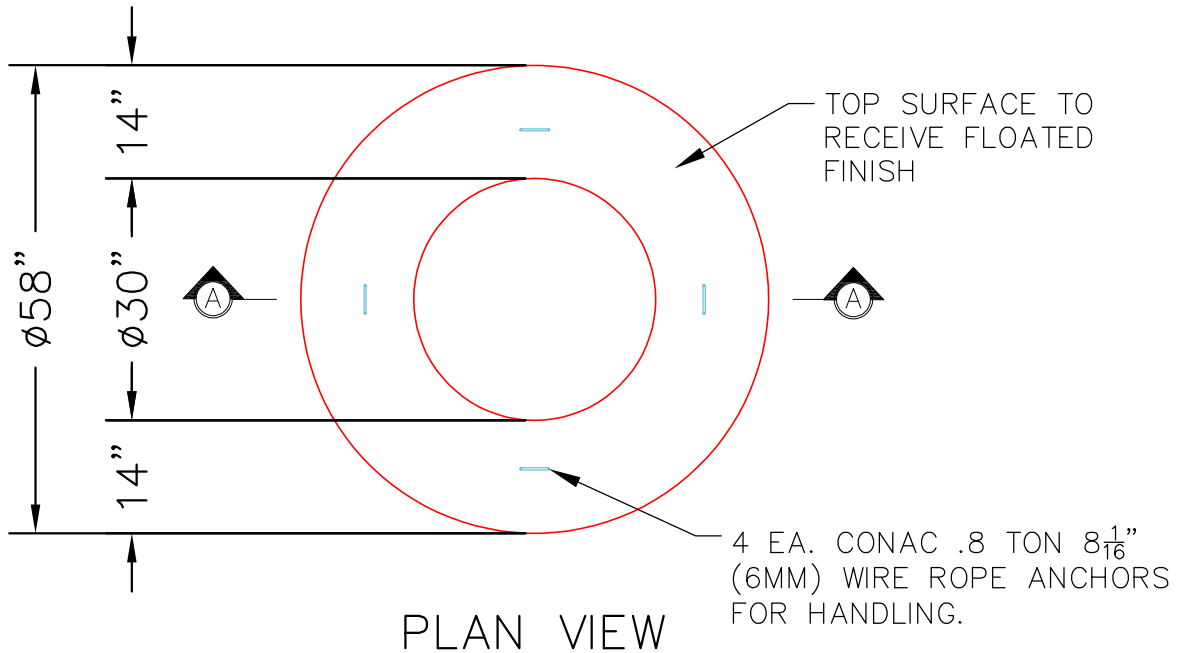
Wall Thickness: 5"

Height (Ext): 7"

Weight (Net): 950 lb
Volume (Net): 0.24cu.yd

STRUCTURE NOTES:

1. MANUFACTURED PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. JOINT SEALANT - CONSEAL CS-231.
4. EXTERIOR JOINT WRAP - CONSEAL CS-212 & CS-75.
5. REINFORCING PER ASTM A615 (GRADE 60) EPOXY COATED. SEE ATTACHED DESIGN BY WINFORD A. PETRONE, PE.
6. HOE MC-747B FRAME & GRATE SUPPLIED BY ICAST.

**PRODUCTION WORK ORDER**

PRODUCT I.D.:
MH048LD08-30ECC

DESCRIPTION: ø48" MH FLAT TOP 8" HEIGHT
W/ 30" CONCENTRIC HOLE

**QUALITY CONTROL CHECKLIST**

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED INSIDE.
- ☐ RECESS WITH HAUNCHES CORRECT.
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ LIFTERS INSTALLED OUTSIDE.
- ☐ PRODUCT SQUARE.

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 1,394 LBS.

TOP JOINT: N/A

BOTTOM JOINT: FLAT

QC CHECK INITIALS:

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: VAULT 3

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/31/26

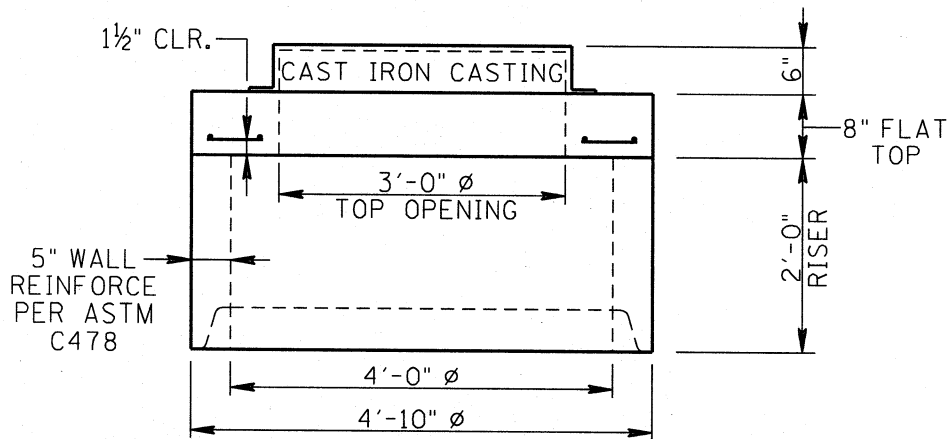
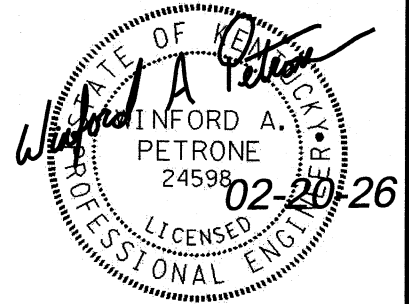
SCALE: NTS

PG.

1 of 1

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

NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.

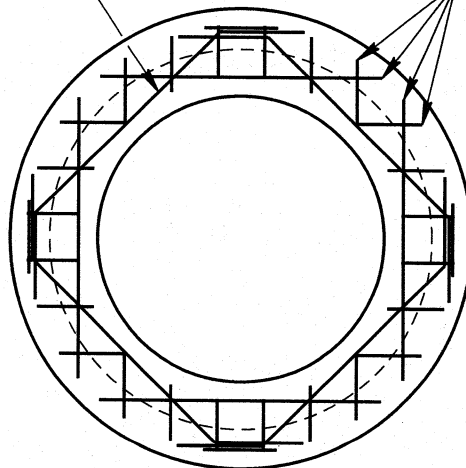


48" $\varnothing$ RISER SECTION
SHOWING REINFORCEMENT

#5X5'-0" EA. QUADRANT AS SHOWN, BEND TO FIT (TYP.)



#5'S @ 6" MAX. EACH WAY (BOTT.-TYP.)



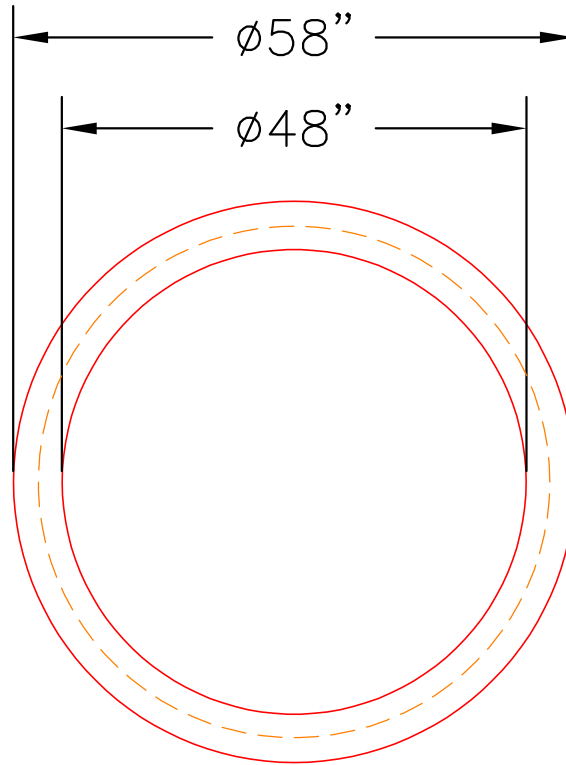
48" $\varnothing$ RISER PLAN
SHOWING REINFORCEMENT

48" $\varnothing$ RISER DETAILS

SK-1

STRUCTURE NOTES:

1. MANUFACTURED PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. JOINT SEALANT – CONSEAL CS-231.
4. EXTERIOR JOINT WRAP – CONSEAL CS-212 & CS-75.
5. REINFORCING PER ASTM C-478/ASTM A615.
6. USE STANDARD 48" DIA. MANHOLE LIFTER SYSTEM.

PLAN VIEWFRONT VIEW

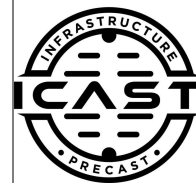
PRODUCTION WORK ORDER		PRODUCT I.D.: MH048RS24		DESCRIPTION: ø48" MH RISER NO TONGUE	
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP		CUSTOMER: CLEARY CONSTRUCTION INC	
	☐ ALL DIMENSIONS CORRECT.	PLANT: BEAVER DAM, KY.		PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES	
	☐ LIFTERS INSTALLED INSIDE.	WEIGHT: 1,677 LBS.		STRUCTURE: VAULT 3	
	☐ RECESS WITH HAUNCHES CORRECT.	TOP JOINT: FLAT		SALES ORDER/QUOTE NO: 25-2504	
	☐ REINFORCING CORRECT.	BOTTOM JOINT: GROOVE		PC: C. GOFF	DRAWING: S. FELLETER
	☐ SURFACE QUALITY ACCEPTABLE.	QC CHECK INITIALS:		DATE: 07/31/26	SCALE: NTS
	☐ LIFTERS INSTALLED OUTSIDE.				PG. 1 of 1
☐ PRODUCT SQUARE.					

Job Name: 25-4490P1 Heartland Meadows Subdivision
Job Location: Elizabethtown, KY 40165
Contractor: Kauffeld Brothers Construction

Plant: 100

7/23/2026 12:05:44 PM

Tech: Jared - A
PC: Celina Goff



Structure ID: MH 1-8 (9)

P2 MH048RS48S-D

MH RISER w/DROP

P6) 24" - CASTING HEIGHT - 7"
P5) 24" - GRADE RING - 4"
P4) 48" - ECC CONE w/ 24" HOLE - 42"
P3) 48" - MH RISER - 36"
P2) 48" - MH RISER w/DROP - 48"
P1) 48" - MH BASE w/DROP Custom Ht - 30"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) CASTING - HOE MC-375 F/C Sanitary
3) 48" - Conseal CS-102 1.00" (Double)
2) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 12-06 NYLO
1) Drop Elbow - 6" PVC
1) Drop Tee - 6" PVC
13) MH Step ML-10-TDS-NCR - 10"

0 lb
270 lb
3200 lb
2515 lb
5403 lb
4866 lb
1440 lb
0 lb
0 lb
271 lb
0 lb
0 lb
0 lb
16 lb
0 lb
0 lb
0 lb
0 lb

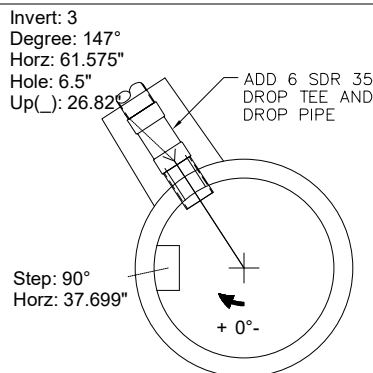
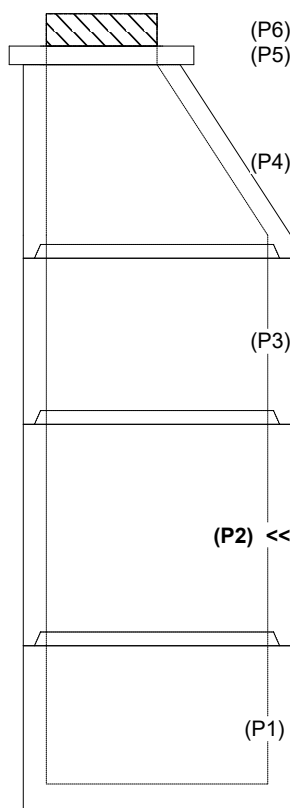
Structure Notes:

1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

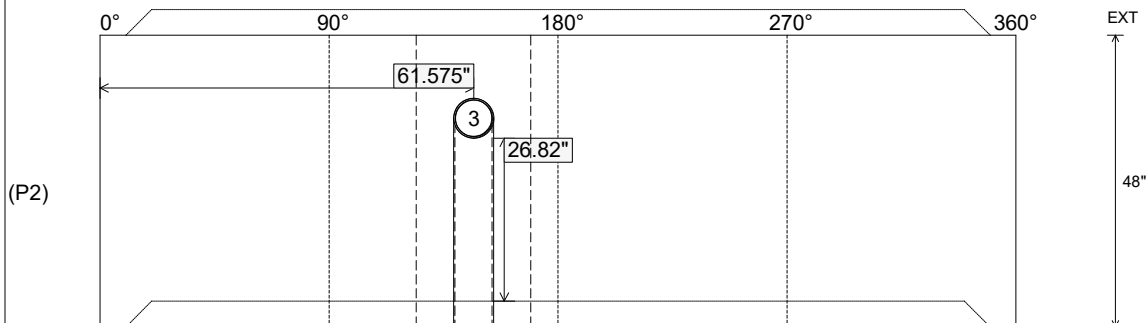
Rim: 897.51' Rim to Invert: 13.71' Slack: 0.52' Sump: 3' Step Position: 90° Structure Total: 17981 lb

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1										
Invert 2										
Invert 3	888.66'	147°	74.403"	6" PVC SDR35	6.25"	Drop Tee 6" PVC	6.5"	6.52"	26.82"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 5"
Floor Height: 0"

Height (Int): 48"
Height (Ext): 48"

Weight (Net): 3339 lb
Volume (Net): 0.85cu.yd

Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3
Job Location: Olive Hill, KY
Contractor: Walker Principles

Plant: 100

7/6/2026 11:03:58 AM

Tech: J. Horsley

PC: E. Bradley



Structure ID: SCUM WW

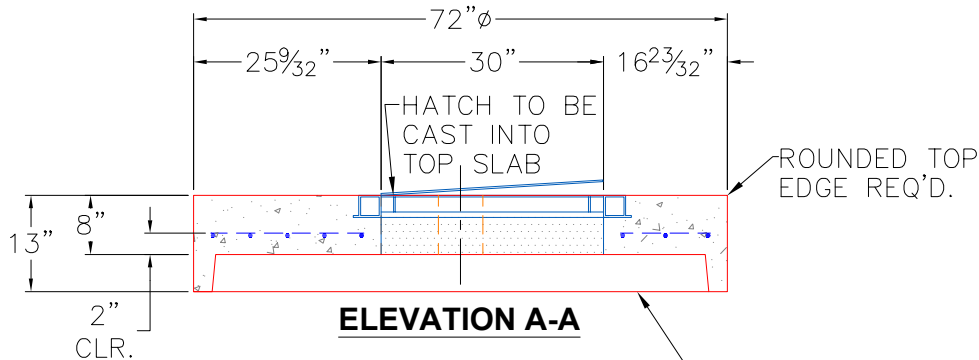
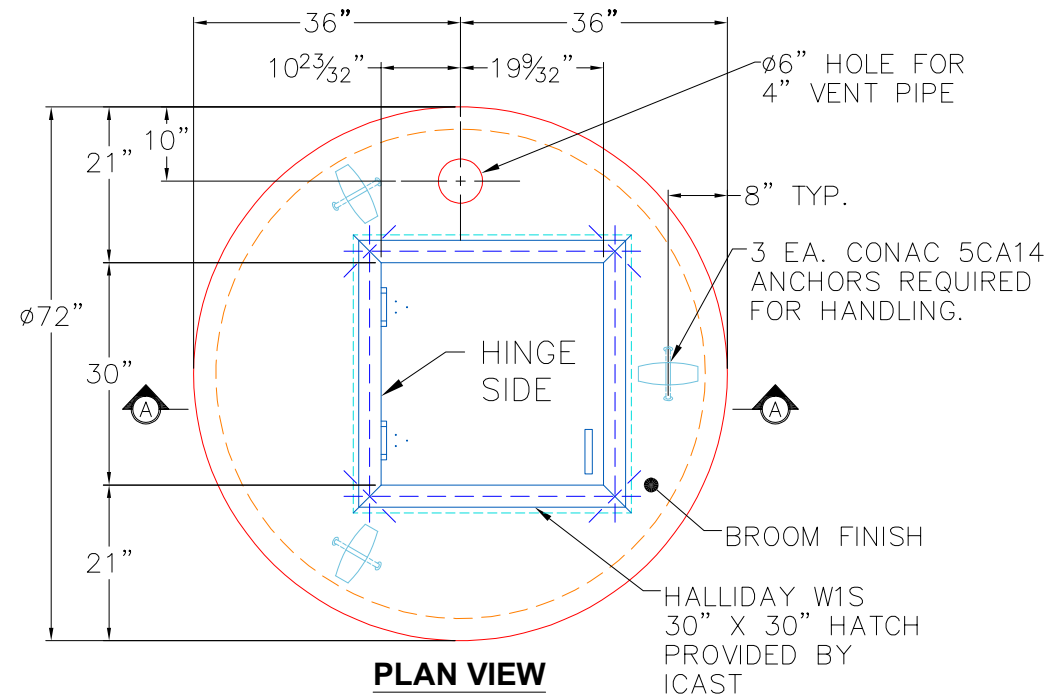
P4 MH060LD13S

MH FLAT TOP w/30"x30" Hatch

- P4) 60" - MH FLAT TOP w/30"x30" Hatch - 13"
P3) 60" - MH RISER SPECIAL - 18"
P2) 60" - MH RISER SPECIAL - 72"
P1) 60" - MH BASE w/FLANGE (08F/07EF) - 43"
3) JOINT WRAP - 12" WD x 096" MAC WRAP
1) HATCH (Alum.) - HALLIDAY W1S 30"x30"
1) SECONDARY POUR - EXT. FLANGE
3) 60" - Conseal CS-231 1.00" (Double)
1) Z-Lok - C107-3
2) A-Lok - 0225
1) A-Lok - 0150

- 2455 lb Structure Notes:
1879 lb 1. PER ASTM C478 SPECIFICATIONS.
7442 lb 2. CONCRETE = 4,500 PSI AT 28 DAYS.
8388 lb 3. NO STEPS / NO INVERT CHANNEL.
0 lb 4. HATCH BY ICAST (HALLIDAY W1S 30"x30")
62 lb
0 lb
0 lb REINFORCING PER ASTM A615 (GRADE 60).
1 lb - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
2 lb - RISER/WALLS (As .18)
1 lb - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Structure Total: 20230 lb



NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 6" O.C. E.W. (GRADE 60)
4. WEIGHT: 2,455 LBS.
5. HATCH: HALLIDAY W1S 30" X 30" PROVIDED BY ICAST.
6. HATCH TO BE CAST INTO TOP OF LID.

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 2455 lb
Volume (Net): 0.63cu.yd

Job Name: 26-1549 Cowan St. Trunk Sewer
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: 100
8/5/2026 9:31:51 AM

Tech: Jared - A
PC: Jay Ross Jarvis



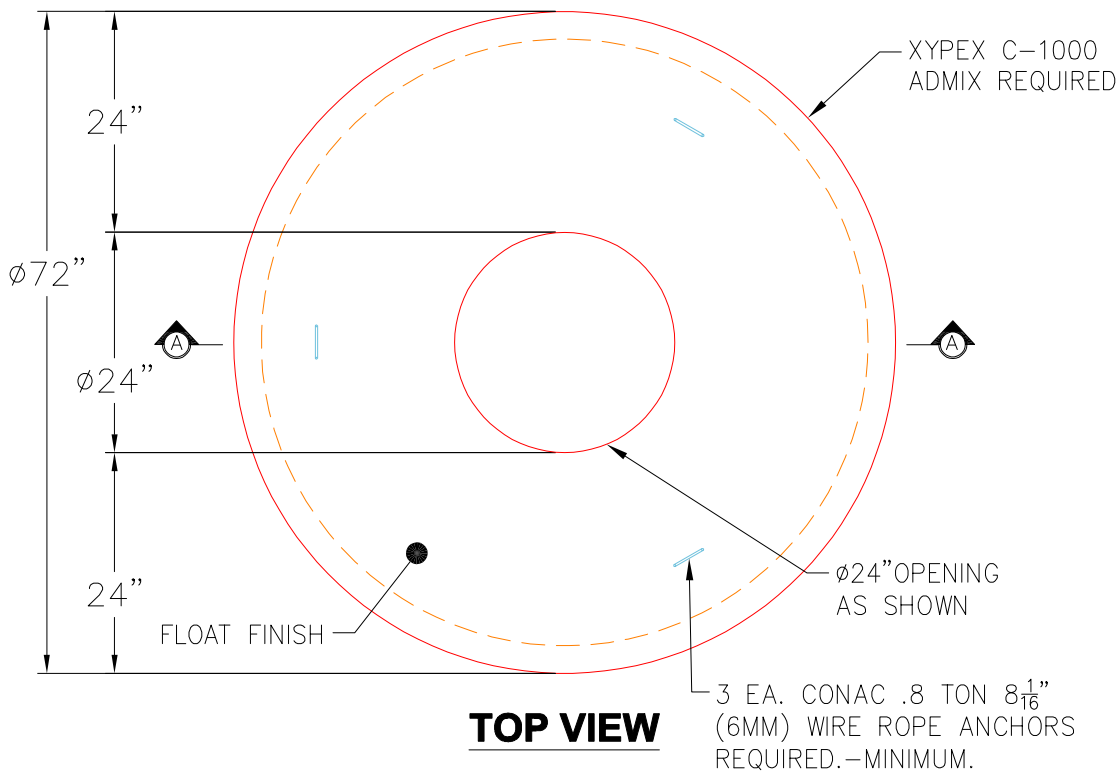
Structure ID: MH B4

P6 MH060LD13XS

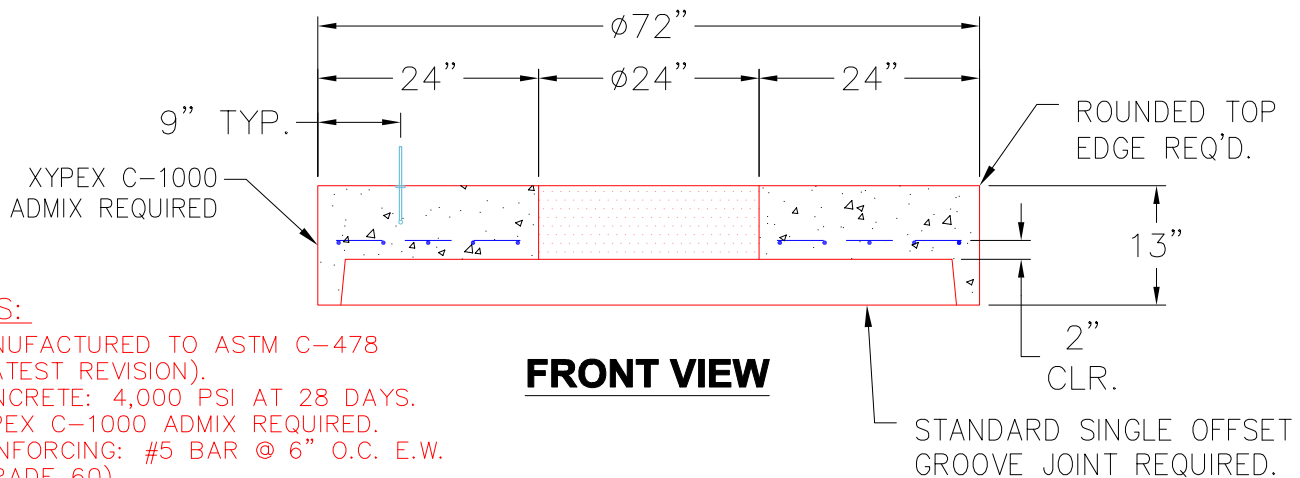
XYPEX MH FLAT TOP w/24" CC Hole

- P7) 24" - CASTING HEIGHT - 7"
P6) 60" - XYPEX MH FLAT TOP w/24" CC Hole - 13"
P5) 60" - MH RISER w/XYPEX SPECIAL - 36"
P4) 60" - MH RISER w/XYPEX SPECIAL - 72"
P3) 60" - MH RISER w/XYPEX SPECIAL - 72"
P2) 60" - MH RISER w/XYPEX SPECIAL - 72"
P1) 60" - MH BASE EF (08F/07EF) XYPEX - 70"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ADMIXTURE XYPEX C-1000 RED
1) 60" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT
1) SECONDARY POUR - EXT. FLANGE
1) CASTING - JBS 1150 F/C SANITARY
5) 60" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1040

- 0 lb
2701 lb
3758 lb
7516 lb
7516 lb
7516 lb
10274 lb
0 lb
0 lb
0 lb
0 lb
2962 lb
0 lb
250 lb
0 lb
0 lb
2 lb
- Structure Notes:**
1. JBS 1150 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. ADMIXTURE = XYPEX C-1000 RED.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .18)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
6. DOUBLE BANDS FOR BOOTS
7. ANY REQUIRED INTERIOR EPOXY COATING TO BE SUPPLIED & INSTALLED BY OTHERS
8. **NO STEPS**
- Structure Total: 42496 lb



TOP VIEW



FRONT VIEW

- NOTES:**
1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. XYPEX C-1000 ADMIX REQUIRED.
4. REINFORCING: #5 BAR @ 6" O.C. E.W. (GRADE 60).

Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Ext): 13"	Weight (Net): 2701 lb
Coating (Ext):	Seam Dn: Groove			Volume (Net): 0.69cu.yd

Job Name: 26-1549 Cowan St. Trunk Sewer
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: 100
8/5/2026 9:32:27 AM

Tech: Jared - A
PC: Jay Ross Jarvis



Structure ID: MH B4

P5 MH060R36XS

MH RISER w/XYPEX SPECIAL

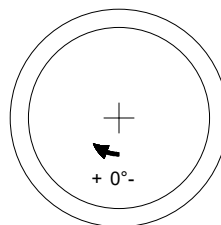
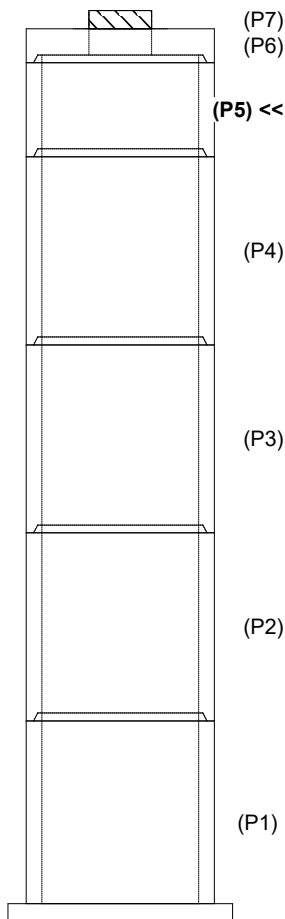
- P7) 24" - CASTING HEIGHT - 7"
P6) 60" - XYPEX MH FLAT TOP w/24" CC Hole - 13"
P5) 60" - MH RISER w/XYPEX SPECIAL - 36"
P4) 60" - MH RISER w/XYPEX SPECIAL - 72"
P3) 60" - MH RISER w/XYPEX SPECIAL - 72"
P2) 60" - MH RISER w/XYPEX SPECIAL - 72"
P1) 60" - MH BASE EF (08F/07EF) XYPEX - 70"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ADMIXTURE XYPEX C-1000 RED
1) 60" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT
1) SECONDARY POUR - EXT. FLANGE
1) CASTING - JBS 1150 F/C SANITARY
5) 60" - Conseal CS-102 1.00" (Double)
2) 24" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1040

- 0 lb
2701 lb
3758 lb
7516 lb
7516 lb
7516 lb
10274 lb
0 lb
0 lb
0 lb
2962 lb
0 lb
250 lb
0 lb
0 lb
2 lb
- Structure Notes: .
1. JBS 1150 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. ADMIXTURE = XYPEX C-1000 RED.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .18)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
6. DOUBLE BANDS FOR BOOTS
7. ANY REQUIRED INTERIOR EPOXY COATING TO
BE SUPPLIED & INSTALLED BY OTHERS
8. **NO STEPS**

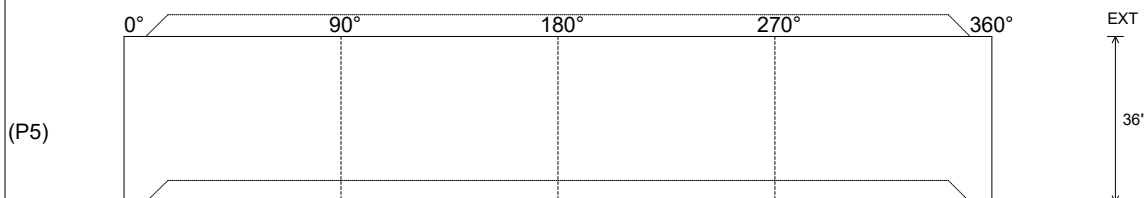
Rim: 414.72' Rim to Invert: 28.39' Slack: 0.68" Sump: 2" Step Position:-----
Structure Total: 42496 lb

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 6"	Height (Int): 36"	Weight (Net): 3758 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 36"	Volume (Net): 0.96cu.yd

Job Name: 26-1549 Cowan St. Trunk Sewer
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: 100
8/5/2026 9:32:27 AM

Tech: Jared - A
PC: Jay Ross Jarvis



Structure ID: MH B4

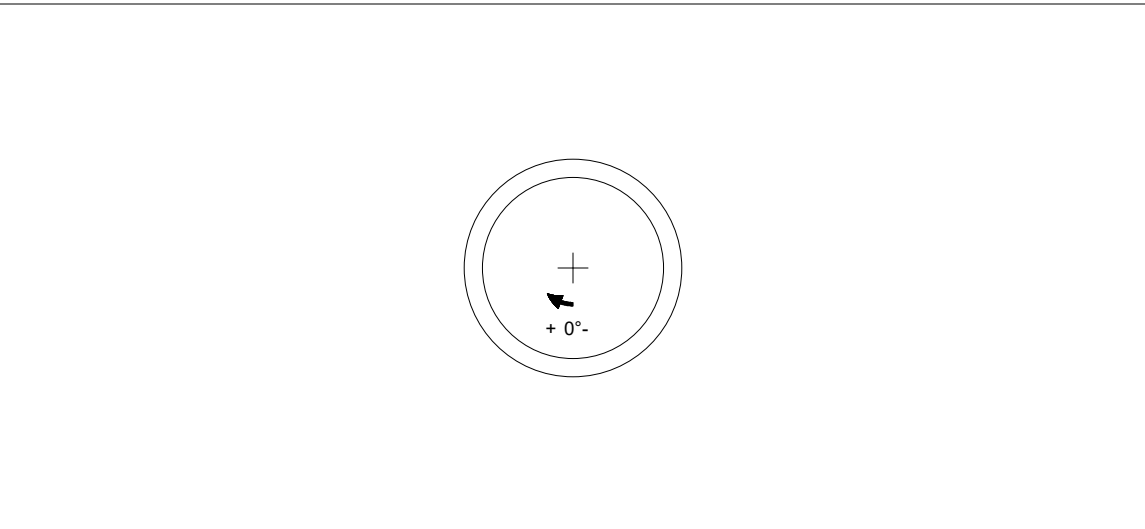
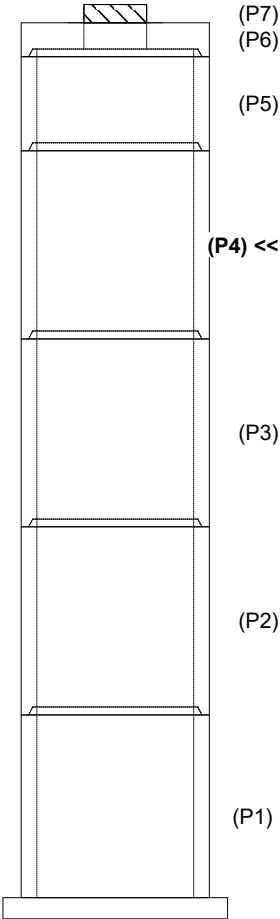
P4 MH060R72XS

MH RISER w/XYPEX SPECIAL

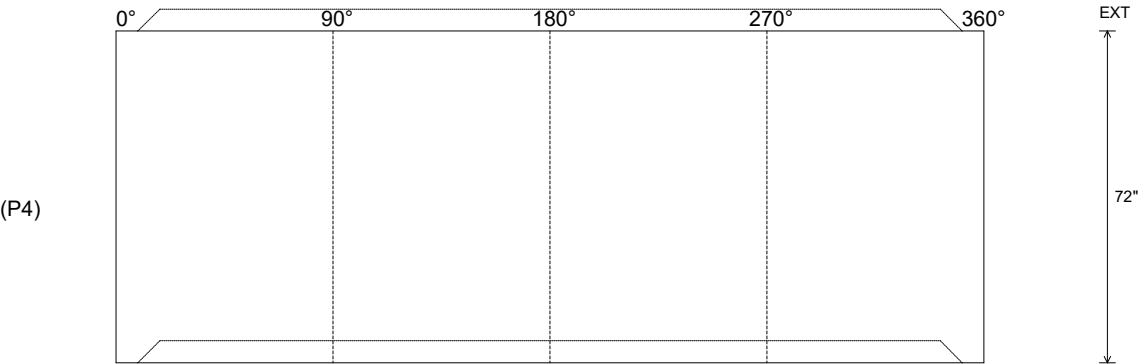
P7) 24" - CASTING HEIGHT - 7"	0 lb	Structure Notes: 1. JBS 1150 F/C SANITARY PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. ADMIXTURE = XYPEX C-1000 RED. 5. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .18) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W. 6. DOUBLE BANDS FOR BOOTS 7. ANY REQUIRED INTERIOR EPOXY COATING TO BE SUPPLIED & INSTALLED BY OTHERS 8. **NO STEPS**
P6) 60" - XYPEX MH FLAT TOP w/24" CC Hole - 13"	2701 lb	
P5) 60" - MH RISER w/XYPEX SPECIAL - 36"	3758 lb	
P4) 60" - MH RISER w/XYPEX SPECIAL - 72"	7516 lb	
P3) 60" - MH RISER w/XYPEX SPECIAL - 72"	7516 lb	
P2) 60" - MH RISER w/XYPEX SPECIAL - 72"	7516 lb	
P1) 60" - MH BASE EF (08F/07EF) XYPEX - 70"	10274 lb	
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb	
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb	
1) ADMIXTURE XYPEX C-1000 RED	0 lb	
1) 60" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT	2962 lb	
1) SECONDARY POUR - EXT. FLANGE	0 lb	
1) CASTING - JBS 1150 F/C SANITARY	250 lb	
5) 60" - Conseal CS-102 1.00" (Double)	0 lb	
1) 24" - Conseal CS-102 1.00" (Double)	0 lb	
2) A-Lok - 1040	2 lb	
Rim: 414.72'	Rim to Invert: 28.39'	Slack: 0.68"
Sump: 2"	Step Position: -----	Structure Total: 42496 lb

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 6"	Height (Int): 72"	Weight (Net): 7516 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 72"	Volume (Net): 1.92cu.yd

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion
Job Location: Shepherdsville, KY
Contractor: Pace Contracting, LLC

Plant: 100

6/2/2026 8:39:13 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: SCUM VAULT

P2 MH072LD15S

MH FLAT TOP w/48"x48" Hatch F/G

- P3) 48" x 48" - CASTING HEIGHT - 0"
P2) 72" - MH FLAT TOP w/48"x48" Hatch F/G - 15"
P1) 72" - MH BASE w/FLANGE (08F/07EF) T/n - 51"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) HATCH (Alum.) - HALLIDAY W2S 48"x48"
1) 72" - Conseal CS-102 1.00" (Double)
1) 48" x 48" - Conseal CS-102 1.00" (Double)
4) Z-Lok - C107-6
1) PSX - 8QRS-S NYLO
4) MH Step ML-10-TDS-NCR - 10"

Structure Total:

0 lb
3320 lb
12452 lb
0 lb
0 lb
126 lb
0 lb
0 lb
0 lb
4 lb
6 lb
0 lb

15909 lb

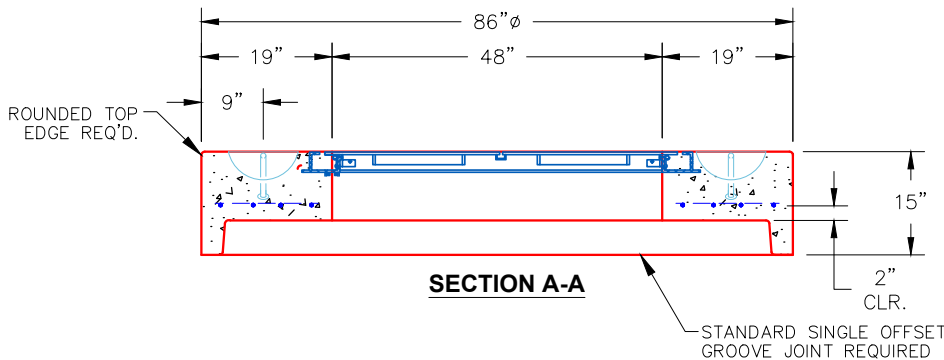
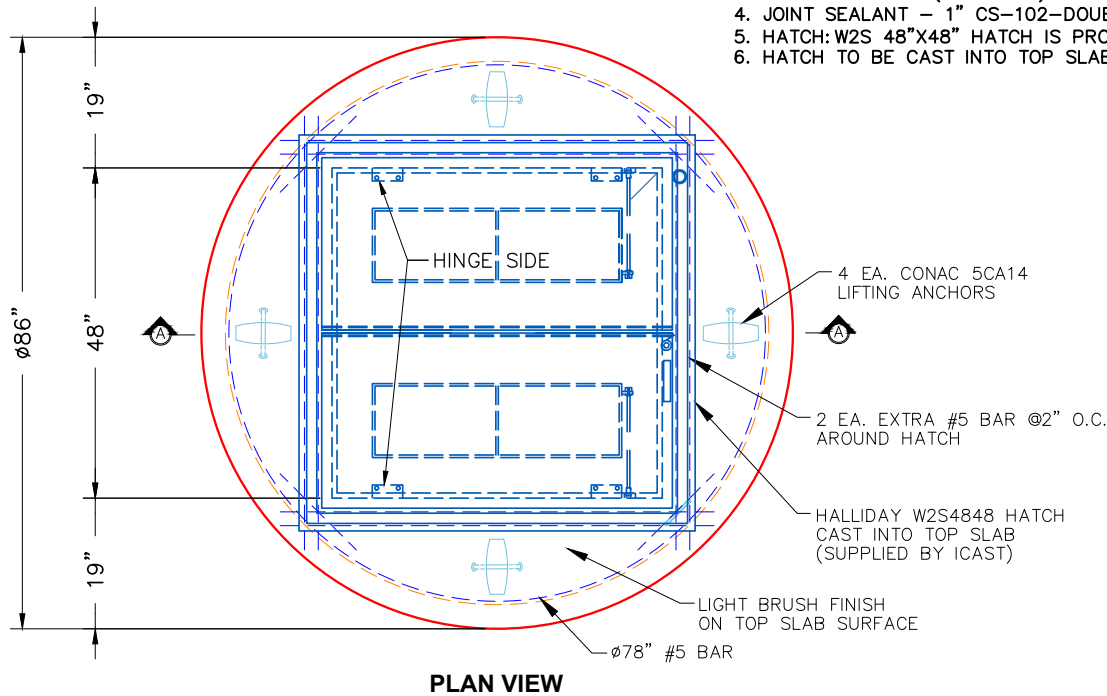
Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY I-CAST (HALLIDAY W2S 48"x48").

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .12)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

NOTES:

1. PER ASTM C-478 LATEST REVISION
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCEMENT:
TOP SLAB - #5 BAR @ 6" C.C.E.W.
PER ASTM A615 (GRADE 60)
4. JOINT SEALANT - 1" CS-102-DOUBLE
5. HATCH: W2S 48"x48" HATCH IS PROVIDED BY ICAST.
6. HATCH TO BE CAST INTO TOP SLAB.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 7"

Height (Ext): 15"

Weight (Net): 3320 lb
Volume (Net): 0.85cu.yd

Job Name: 26-1549 Cowan St. Trunk Sewer
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: 100
8/5/2026 9:32:23 AM

Tech: Jared - A
PC: Jay Ross Jarvis



Structure ID: MH-4-5 SS-MH

P3 MH084RS96X

MH RISER w/XYPEX

- P6) 30" - CASTING HEIGHT - 6"
P5) 84" - MH FLAT TOP w/2X 30" Holes ECC w/XYPEX - 17"
P4) 84" - MH RISER w/XYPEX - 84"
P3) 84" - MH RISER w/XYPEX - 96"
P2) 84" - MH RISER w/XYPEX - 96"
P1) 84" - MH BASE w/FLANGE (12F/14EF) w/XYPEX - 95"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ADMIXTURE XYPEX C-1000 RED
1) SECONDARY POUR - EXT. FLANGE
2) CASTING - JBS 1312 WT F/C SANITARY
4) 84" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1840

- 0 lb
6992 lb
16298 lb
18626 lb
18626 lb
27392 lb
0 lb
0 lb
0 lb
0 lb
600 lb
0 lb
2 lb

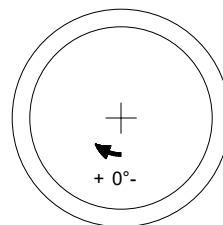
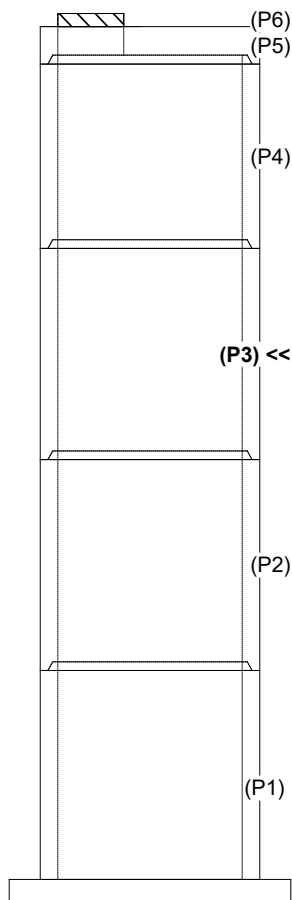
88536 lb
- Structure Notes: .
PLAN LABEL: MH-4
1. JBS 1312 WT F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. ADMIXTURE = XYPEX C-1000 RED.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .24)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.
6. ANY REQUIRED INTERIOR COATINGS TO BE SUPPLIED & APPLIED BY OTHERS.
7. **NO STEPS**

Structure Total: 88536 lb

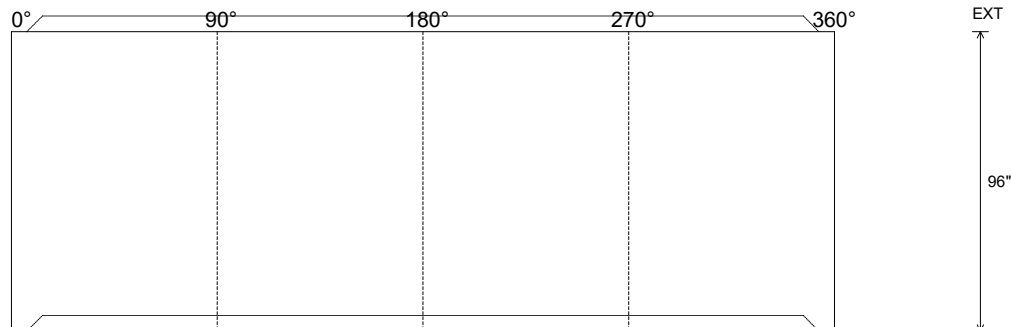
Rim: 416.22' Rim to Invert: 32.66' Slack: 0.42" Sump: 2.5" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 8"	Height (Int): 96"	Weight (Net): 18626 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 96"	Volume (Net): 4.76cu.yd

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

Plant: Beaver Dam

Tech: J. Coppage

7/21/2026 1:57:02 PM

PC: E. Bradley



Structure ID: Combo Lift Station

P1 MH096BAVF

MH BASE (12"F) Custom Ht

- 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 - 64.8125"
- 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
- 11765 lb
- 31830 lb
- 26136 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- 91 lb
- 93 lb
- 0 lb
- 0 lb
- 0 lb
- 6 lb
- 8 lb
- 0 lb

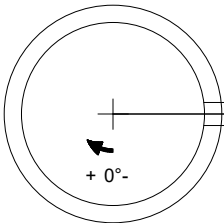
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).

Rim: 531.9' Rim to Invert: 8.85' Slack: 1.2" Sump: 30" Step Position: 0'-----
Structure Total: 70029 lb

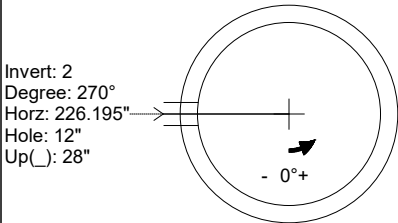
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	523.05'	270°	268.606"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.031"	28"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

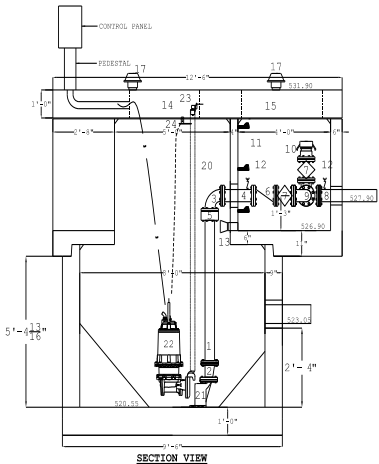
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2
Degree: 270°
Horz: 226.195"
Hole: 12"
Up() : 28"

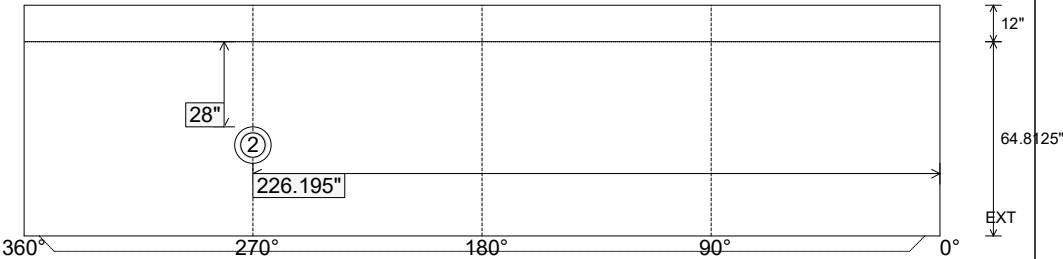


Invert: 2
Degree: 270°
Horz: 226.195"
Hole: 12"
Up() : 28"



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 9"
Floor Height: 12"

Height (Int): 64"
Height (Ext): 76"

Weight (Net): 26136 lb
Volume (Net): 6.68cu.yd

Job Name: 26-2254 - Wilder Box Culvert
Job Location: Wilder, KY
Contractor: Eaton Asphalt

Plant: 100
7/6/2026 1:23:17 PM

Tech: Jared - A
PC: E. Bradley

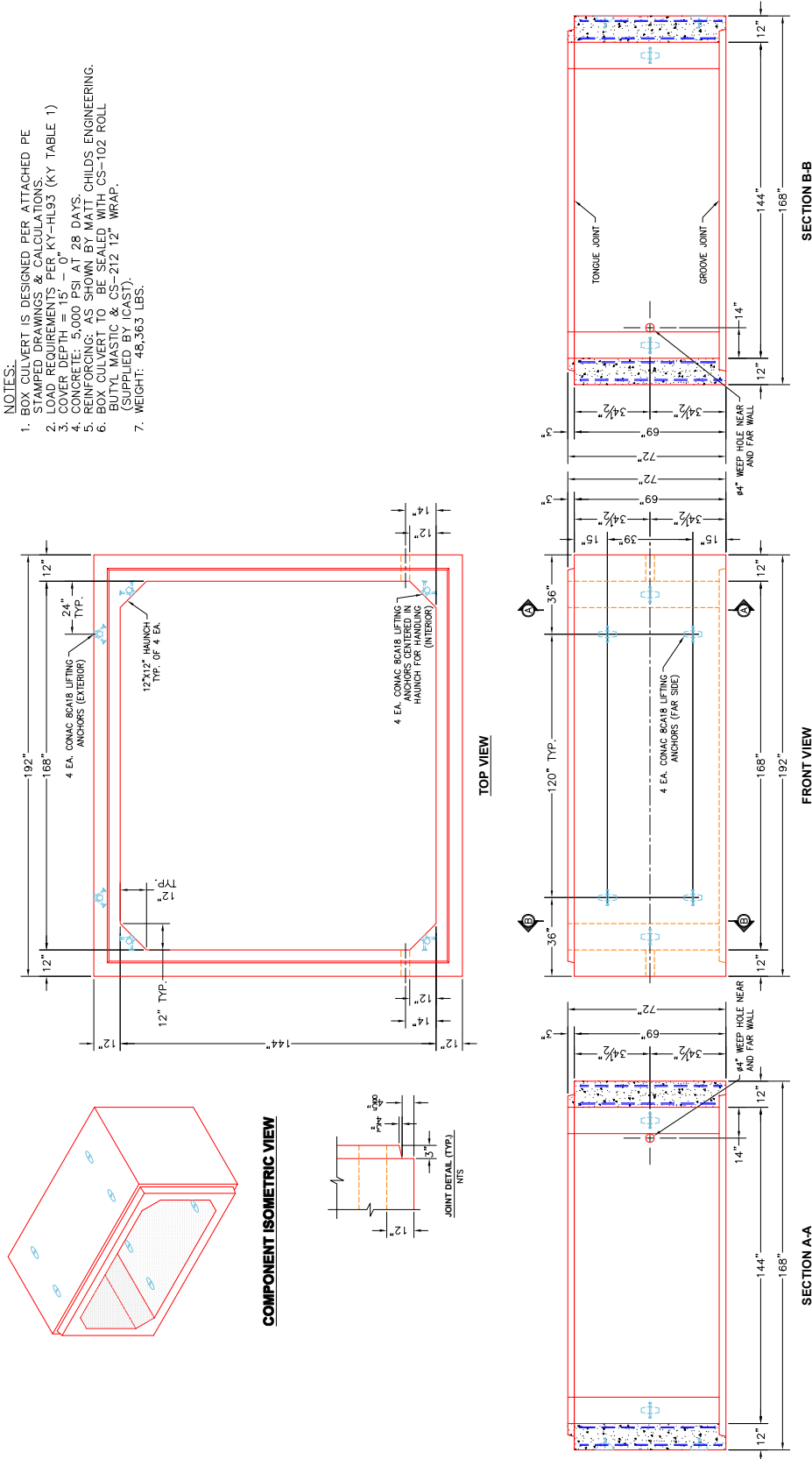


Structure ID: Box Culvert

P13 BC168144-12W12T12F-12H

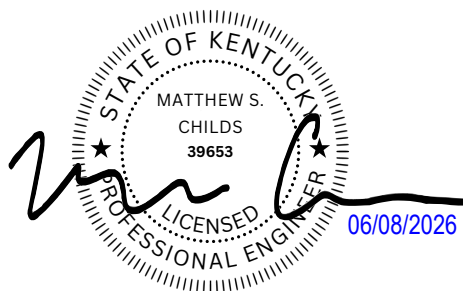
BOX CULVERT (12W/12F/12T) T/G

- NOTES:
1. BOX CULVERT IS DESIGNED PER ATTACHED PE STAMPED DRAWINGS & CALCULATIONS.
 2. LOAD REQUIREMENTS PER KY-HL93 (KY TABLE 1)
 3. COVER DEPTH = 15' - 0"
 4. CONCRETE: 5,000 PSI AT 28 DAYS.
 5. REINFORCING: AS SHOWN BY MATT CHILDS ENGINEERING.
 6. BOX CULVERT TO BE SEALED WITH CS-102 ROLL BUTYL MASTIC & CS-212 12" WRAP. (SUPPLIED BY ICAST).
 7. WEIGHT: 48,363 LBS.



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 12" Floor Height: 0"	Height (Int): 69" Height (Ext): 69"	Weight (Net): 48363 lb Volume (Net): 12.35cu.yd
----------------------------------	------------------------------------	---	--	--

Project: Mooch Road
Product: 14' x 12' Box Culvert
Job: 26-2254
Design No.:
Location: Wilder, KY
Reference #:



MATT CHILDS ENGINEERING, PLLC

Project : City of Wilder
Task : 14x12 15' Fill
Job No. :

Client: ICast
File: 20260605-ICast-CityofWilder-14x12(15'Fill).etcx

Sht ____ of ____
By:MBJ
Ck:
6/5/2026 4:35:08 PM
p. 1 of 2

Spec.: LRFD 9th ed.
Type of Culvert: Precast

Physical Dimensions

Clear Span: 14'-0"
Clear Height: 12'-0"
Top Slab: 1'-0"
Bottom Slab: 1'-0"
Ext. Wall: 1'-0"
Fill Depth: 15.00 ft
Length: 4'-0"
Skew Angle: 0.00 deg
Bottom Slab Support: Full Slab
Top Haunch, Width: 1'-0"
Top Haunch, Height: 1'-0"
Bottom Haunch, Width: 1'-0"
Bottom Haunch, Height: 1'-0"

Material Properties

Concrete
Strength, f_c: 5.000 ksi
Density: 0.150 kcf
Elasticity, E_c: 3834 ksi
Type: Normal wt

Steel
Yield, f_y: 65 ksi
Allow Stress: 39 ksi
Elasticity, E_s: 29000 ksi

Soil
Density: 0.120 kcf

Exposure Factor
Class 2 Exposure

Reinforcement Covers

Ext. Cover Top Slab: 1"
Ext. Cover Bottom Slab: 1"
Ext. Cover Walls: 1"
Int. Cover Walls: 1"
Int. Cover Top Slab: 1"
Int. Cover Bottom Slab: 1"

Controlling Ratings

Inventory Rating: 5.85
Operating Rating: 7.59

Loads

Live Load

Vehicle Names: HL-93
Traffic Direction: Parallel
Eq. Height of Soil: 2.00 ft (Calc'd)

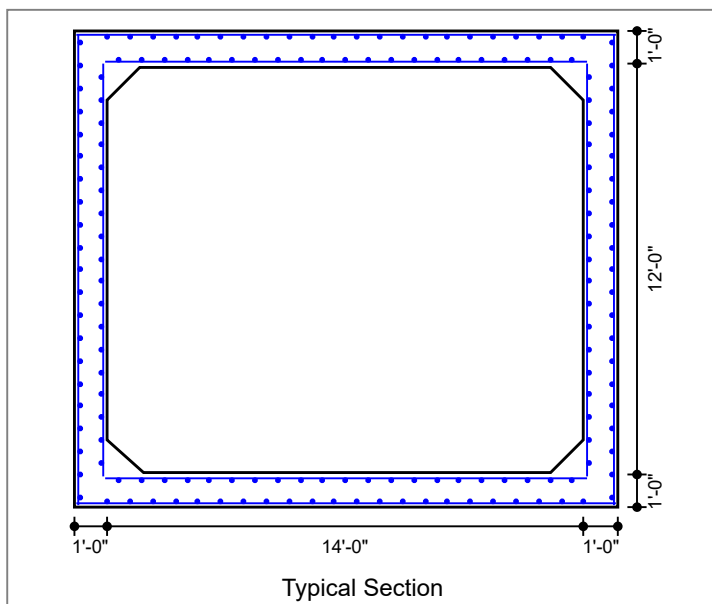
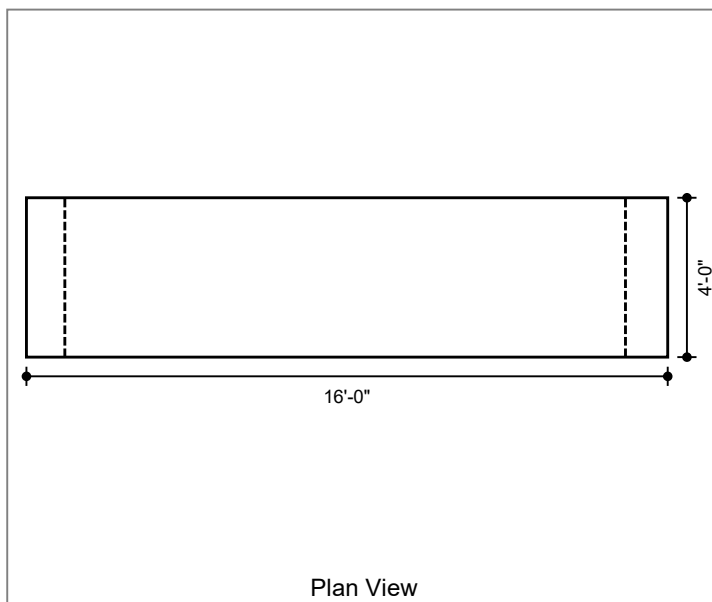
Dead Load

Future Wearing Surface: 0.000 klf
Additional Dead Load: 0.000 klf
Concentrated Loads: none

Lateral Soil Loads

Eq. Fluid Press. Max: 60.00 pcf
Eq. Fluid Press. Min: 30.00 pcf

Interior Water Pressure: yes, head pressure = 0 ft
Exterior Water Pressure: no



MATT CHILDS ENGINEERING, PLLC

Sht ____ of ____

By:MBJ

Ck:_____

6/5/2026 4:35:09 PM

p. 2 of 2

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

File: 20260605-ICast-CityofWilder-14x12(15'Fill).etcx

Concrete Summary

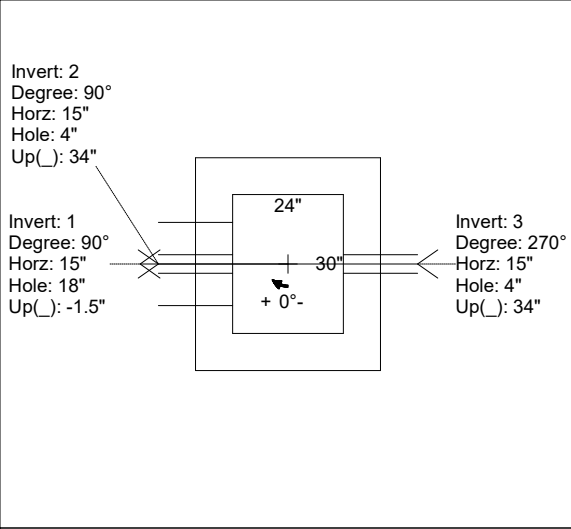
Volume of Concrete: 2.148 cy/ft Total Volume of Concrete: 8.593 cy

Reinforcing Steel Bar Schedule (lb)

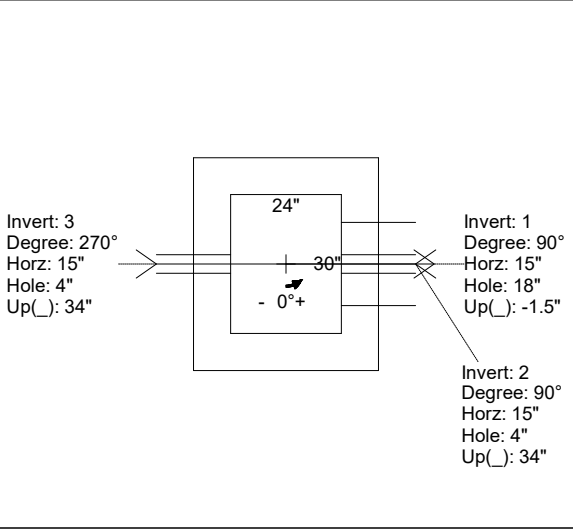
Location	Mark	Sheets Included	As Provided
Top Slab(Int)	A100 (AS2)	Top	1.200
Bot Slab(Int)	A200 (AS3)	Bot	1.290
Top Slab(Ext)	A300 (AS7)	Top	0.300
Bot Slab(Ext)	A400 (AS8)	Bot	0.300
Corner(Top)	A1 (AS1)	Top	0.780
Corner(Bot)	A2 (AS1)	Bot	0.780
Wall(Int)	B1 (AS4)	L&R	0.300
Wall(Ext)	B2 (AS1)	L&R	0.780
Longit. Top (Int)	C100 (AS5)	Top	0.150
Longit. Bot (Int)	C200	Bot	0.150
Longit. Top (Ext)	C1 (AS6)	Top	0.150
Longit. Bot (Ext)	C1 (AS6)	Bot	0.150
Longit. Wall (Ext)	C1 (AS6)	L&R	0.150
Longit. Wall (Int)	C1 (AS6)	L&R	0.150

Job Name: 26-1635 - KYTC Oldham Co (261505) Job Location: Peewee Valley, KY Contractor: Cleary Construction, Inc.					Plant: 100 7/22/2026 12:46:28 PM		Tech: Jared - F PC: T. Ryan				
Structure ID: 335-138 DBI13G											
P1 BX2430-08BA42		BOX BASE 8inW, 8inF F/n									
P3) 15" x 27" - P.I.P. - BY OTHERS - 8" P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8" P1) 24" x 30" - BOX BASE 8inW, 8inF F/n - 42" 1) 24" x 30" - Conseal CS-102 1.00" 1) 15" x 27" - Conseal CS-102 1.00" 1) Hole - 18 2) Hole - 4					0 lb 963 lb 4995 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 5958 lb		Structure Notes: . **KYTC STATE PROJECT** 1. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. STUB #5 BARS 6" OUT TOP OF WALLS (SPA@12" C/C). 4. CASTING SUPPLIED BY OTHERS (HOE KY-230-G F/G (GRADE)). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W.. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 810'		Rim to Invert: 4.85'		Slack: 0.2"		Sump: 0"		Step Position: 90°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	805.15'	90°	23"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"	
Invert 2	807.98'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	34"	0"	
Invert 3	807.98'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	34"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

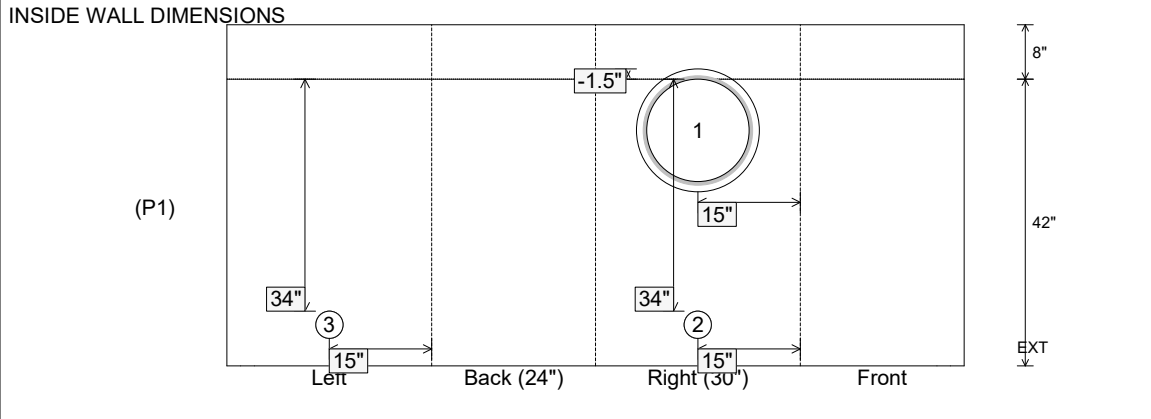
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

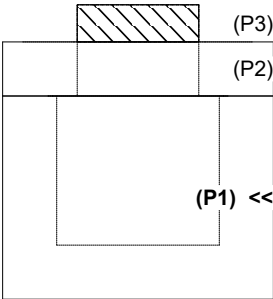


INSIDE WALL DIMENSIONS



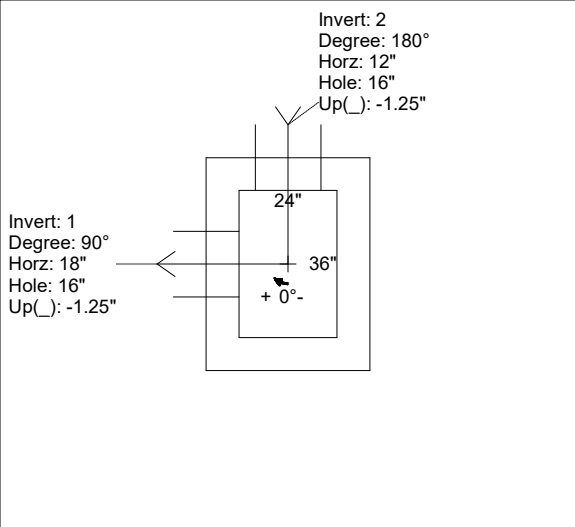
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 42" Height (Ext): 50"	Weight (Net): 4995 lb Volume (Net): 1.28cu.yd
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Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:30 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: 09 ST-DCB											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht							
P3) 18" x 36" - CASTING HEIGHT - 5.5" P2) 24" x 36" - CB FLAT TOP 8"W (18"x36" HOLE) - 8" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 22" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 16					0 lb 961 lb 3371 lb 0 lb 0 lb ----- Structure Total: 4332 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE 580 F/G) REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 1069.85' Rim to Invert: 2.97' Slack: 0.14" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1066.88'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"	
Invert 2	1066.88'	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											



(P3)
(P2)
(P1) <<

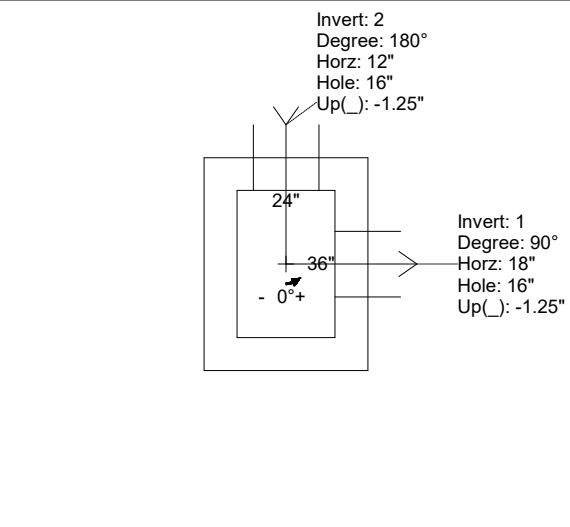
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 180°
Horz: 12"
Hole: 16"
Up(): -1.25"

Invert: 1
Degree: 90°
Horz: 18"
Hole: 16"
Up(): -1.25"

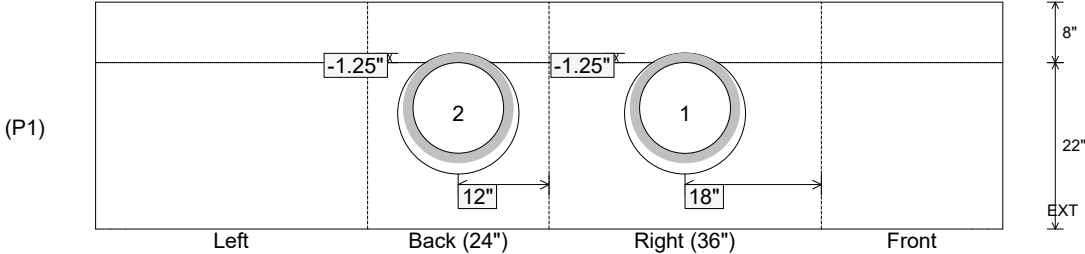
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2
Degree: 180°
Horz: 12"
Hole: 16"
Up(): -1.25"

Invert: 1
Degree: 90°
Horz: 18"
Hole: 16"
Up(): -1.25"

INSIDE WALL DIMENSIONS



(P1)

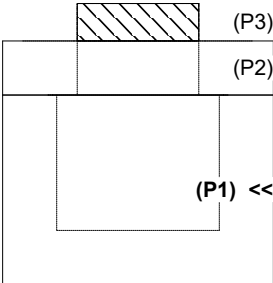
Left Back (24") Right (36") Front

12" 18"

8" 22" EXT

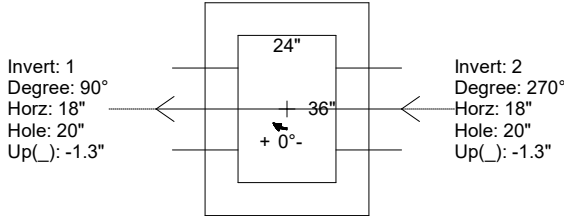
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 22" Height (Ext): 30"	Weight (Net): 3371 lb Volume (Net): 0.86cu.yd
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Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:37 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: 20 ST-DCB											
P1 BX2436-08BVF			BOX BASE 8inW, 8inF, Variable Ht								
P3) 18" x 36" - CASTING HEIGHT - 5.5" P2) 24" x 36" - CB FLAT TOP 8"W (18"x36" HOLE) - 8" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 20" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 20"						0 lb 961 lb 3015 lb 0 lb 0 lb ----- Structure Total: 3977 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE 580 F/G) REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 1067.15' Rim to Invert: 2.8' Slack: 0.1" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1064.35'	90°	26"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 2	1064.35'	270°	26"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P3)
(P2)
(P1) <<

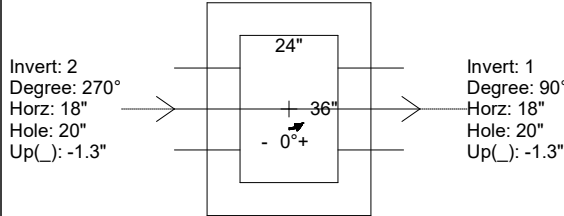
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 1
Degree: 90°
Horz: 18"
Hole: 20"
Up(-): -1.3"

Invert: 2
Degree: 270°
Horz: 18"
Hole: 20"
Up(-): -1.3"

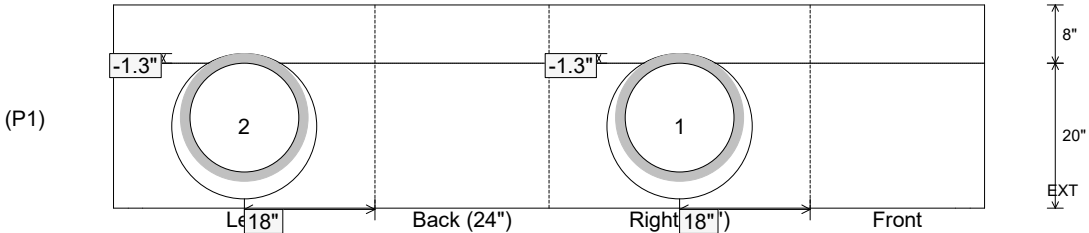
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2
Degree: 270°
Horz: 18"
Hole: 20"
Up(-): -1.3"

Invert: 1
Degree: 90°
Horz: 18"
Hole: 20"
Up(-): -1.3"

INSIDE WALL DIMENSIONS



(P1)

1.3" K

2

18"

Back (24")

Right 18"

Front

8"

20"

EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 20" Height (Ext): 28"	Weight (Net): 3015 lb Volume (Net): 0.77cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

6/4/2026 4:53:21 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 547

P1 BX2436-08BVF

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

P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10"

P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 33"

1) CASTING - HOE KY-206 F/C (KY TY1)

1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast)

1) 24" x 36" - Conseal CS-102 1.00"

1) Hole - 24

2) Hole - 8

3398 lb

5270 lb

4392 lb

206 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 13266 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC CBI TY A / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. NO STORM INVERT

5. NO STEPS

6. KY-206 FRAME & COVER "STORM" SUPPLIED BY iCAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP

Rim: 832.68'

Rim to Invert: 5.09'

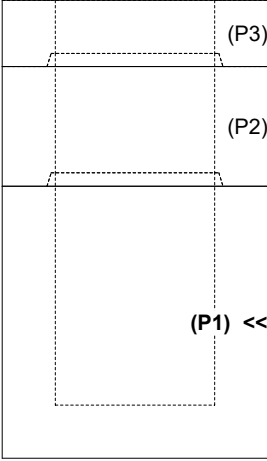
Slack: 0.08"

Sump: 0"

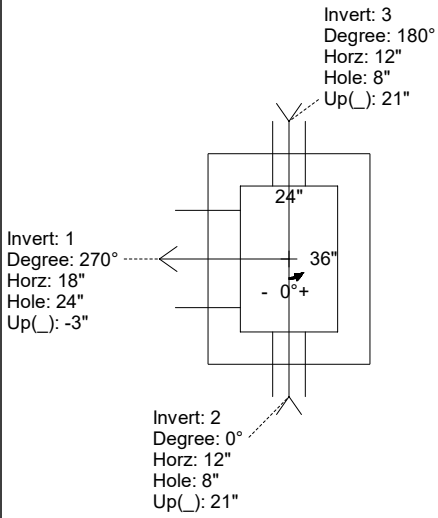
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	827.59'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	829.51'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"
Invert 3	829.51'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

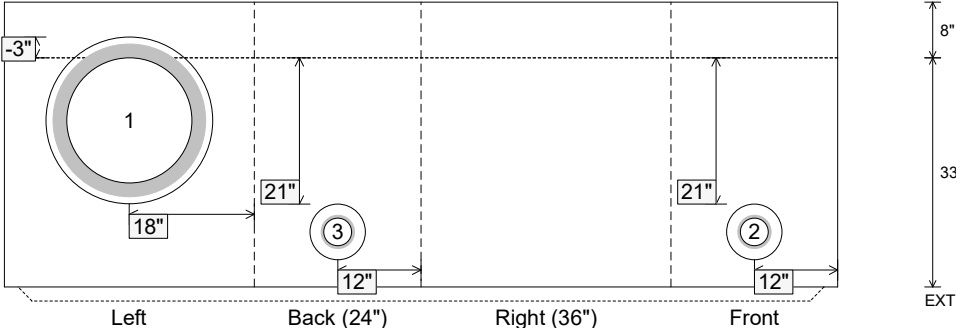
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 33"

Height (Ext): 41"

Weight (Net): 4392 lb

Volume (Net): 1.12cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

6/4/2026 4:53:17 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 546

P1 BX2436-08BVF

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

P3) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10"

P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 33"

1) CASTING - HOE KY-206 F/C (KY TY1)

1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast)

1) 24" x 36" - Conseal CS-102 1.00"

2) Hole - 24

2) Hole - 8

3400 lb

5270 lb

4232 lb

206 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 13108 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC CBI TY A / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. NO STORM INVERT

5. NO STEPS

6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP

7. INVERT 3 OFFSET 14" FROM CENTER OF WALL

Rim: 832.98'

Rim to Invert: 5.09'

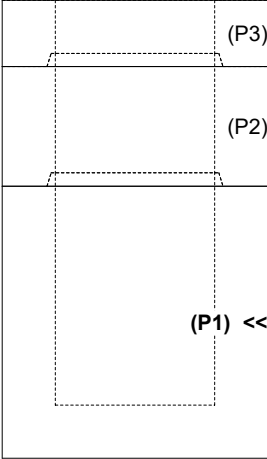
Slack: 0.08"

Sump: 0"

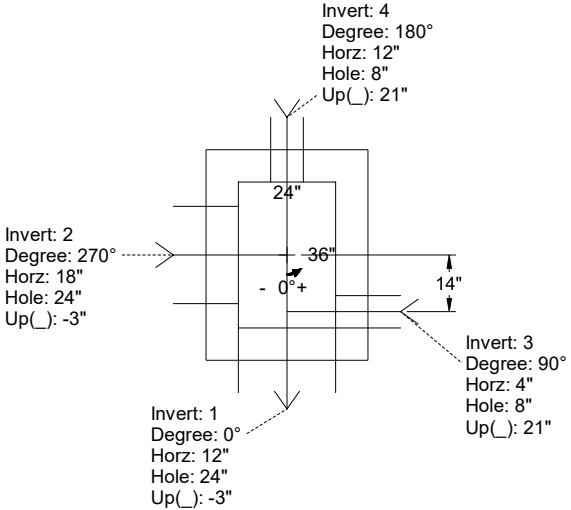
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	827.89'	0°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	827.89'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 3	829.81'	90°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	-14"
Invert 4	829.81'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

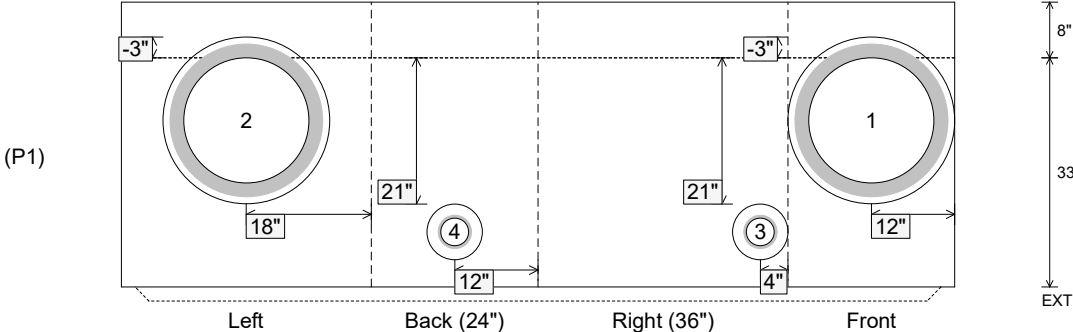
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 33"

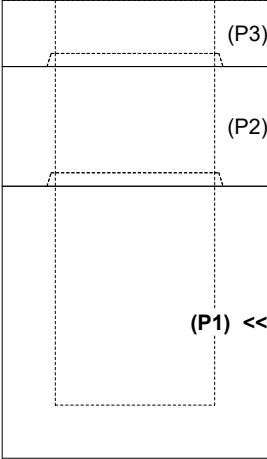
Height (Ext): 41"

Weight (Net): 4232 lb

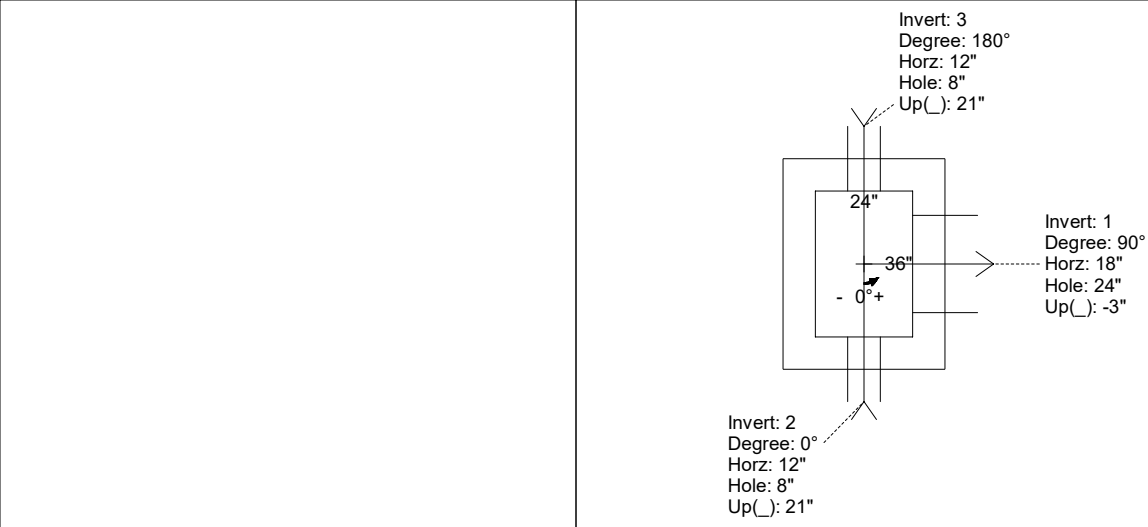
Volume (Net): 1.08cu.yd

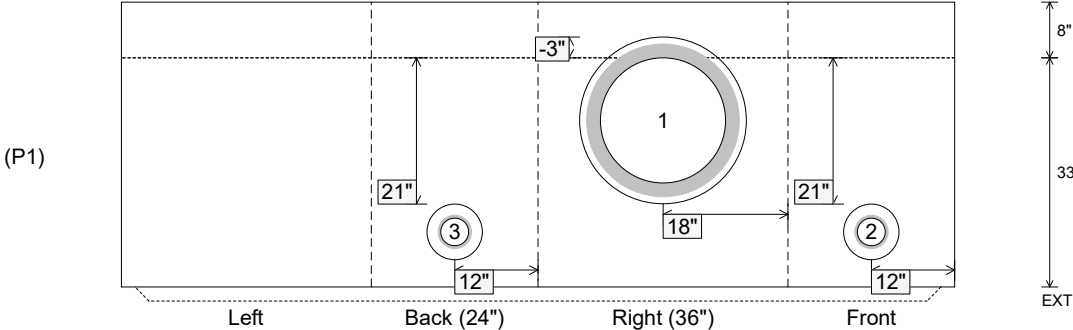
Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/4/2026 4:53:14 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 534											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht T/n							
P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 33" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 24 2) Hole - 8					3398 lb 5270 lb 4392 lb 206 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 13266 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP				
Rim: 833.17' Rim to Invert: 5.09' Slack: 0.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	828.08'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	830'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"	
Invert 3	830'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



(P1) <<	INSIDE WALL DIMENSIONS	
		

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 33" Height (Ext): 41"	Weight (Net): 4392 lb Volume (Net): 1.12cu.yd
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Job Name: 26-2146 - Fairview Apartments
Job Location: Russell Springs, KY 42642
Contractor: Dirt Design Construction LLC

Plant: 100

8/3/2026 11:45:34 AM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 15 ST-SCB

P1 BX3636-08BA42

BOX BASE 8inW, 8inF

P2) 36" x 36" - CASTING HEIGHT - 3"
P1) 36" x 36" - BOX BASE 8inW, 8inF - 42"
1) 36" x 36" - Con Seal CS-102 1.00"
2) Hole - 20"

Structure Total:

0 lb
6356 lb
0 lb
0 lb

6356 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY OTHERS (HOE 595 F/G)

REINFORCING PER ASTM A615 (GRADE 60).

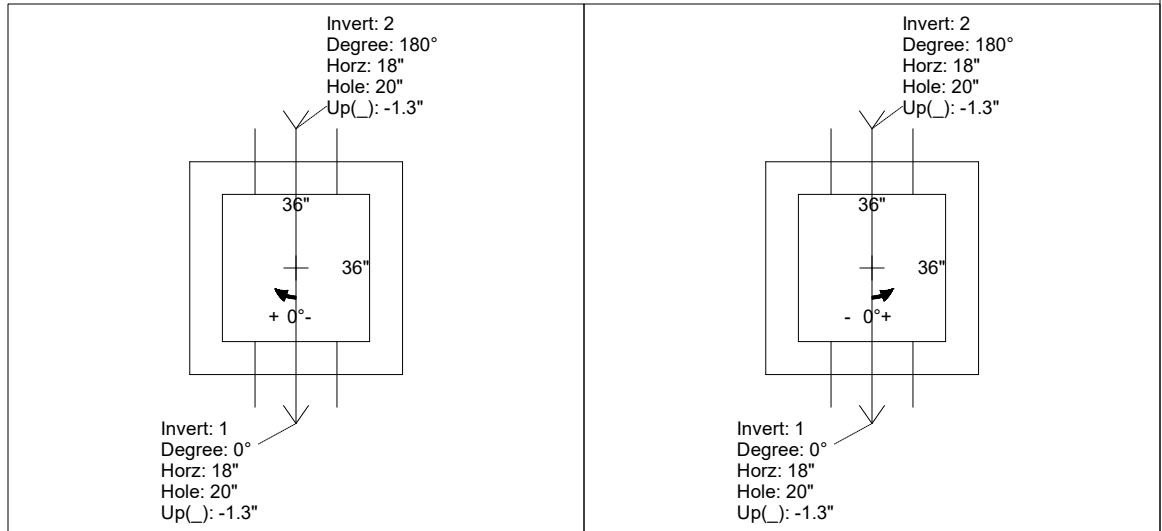
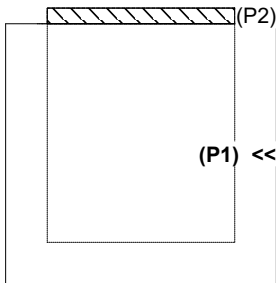
- WALLS (As .31) #5 BARS AT 12" C.C.E.W
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 1070.3' Rim to Invert: 3.82' Slack: 0.84" Sump: 0" Step Position:

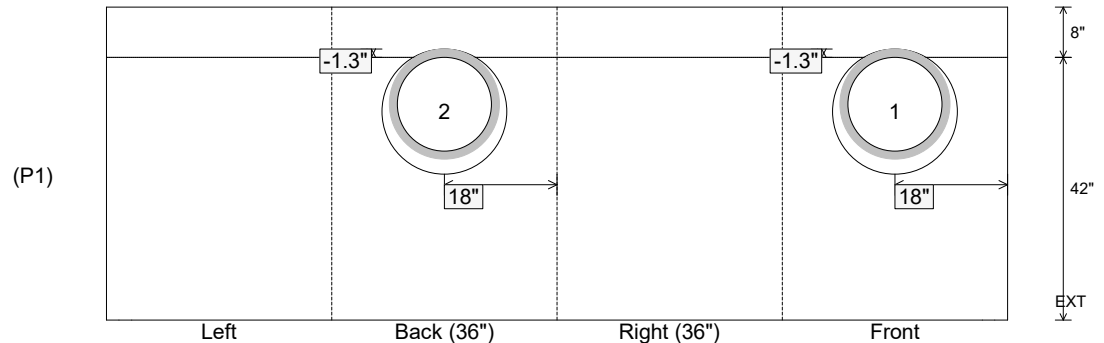
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1066.48'	0°	26"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"
Invert 2	1066.48'	180°	26"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 42"
Height (Ext): 50"

Weight (Net): 6356 lb
Volume (Net): 1.62cu.yd

Job Name: 26-1635 - KYTC Oldham Co (261505)
 Job Location: Pee wee Valley, KY
 Contractor: Cleary Construction, Inc.

Plant: 100

7/22/2026 12:46:27 PM

Tech: Jared - F

PC: T. Ryan



Structure ID: 335-112 DBI3

P1 BX3636-08BAVF

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

- P2) 36" x 36" - P.I.P. - BY OTHERS - 8"
 P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 37"
 1) 36" x 36" - Conseal CS-102 1.00"
 2) Hole - 18"

Structure Total: 5801 lb

Structure Notes:

KYTC STATE PROJECT

1. KYTC DBI TYPE 3 / ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. STUB #5 BARS 20" OUT TOP OF WALLS (SPA@12"C/C)
4. CASTING SUPPLIED BY OTHERS (HOE KY-328 SET (DBI 3)).

REINFORCING PER ASTM A615 (GRADE 60).

- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

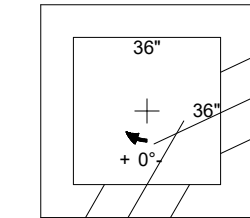
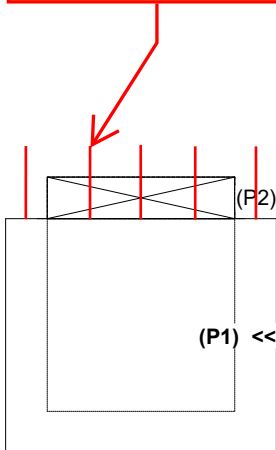
Rim: 808.32' Rim to Invert: 3.82' Slack: 0.84" Sump: 0" Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	804.5'	30°	30.625"	15" CMP	16"	Hole 18	18"	20.785"	-1.5"	-9"
Invert 2	804.5'	245°	22.75"	15" CMP	16"	Hole 18	18"	19.861"	-1.5"	8"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

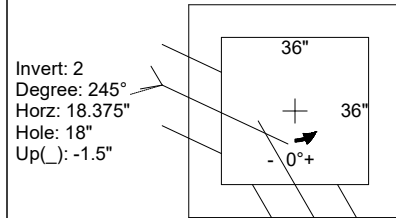
UPSIDE-DOWN VIEW (int. dimensions)

#5 DOWELS @ 12" O.C.
 STUBBED 20" OUT THE
 TOP OF THE WALLS



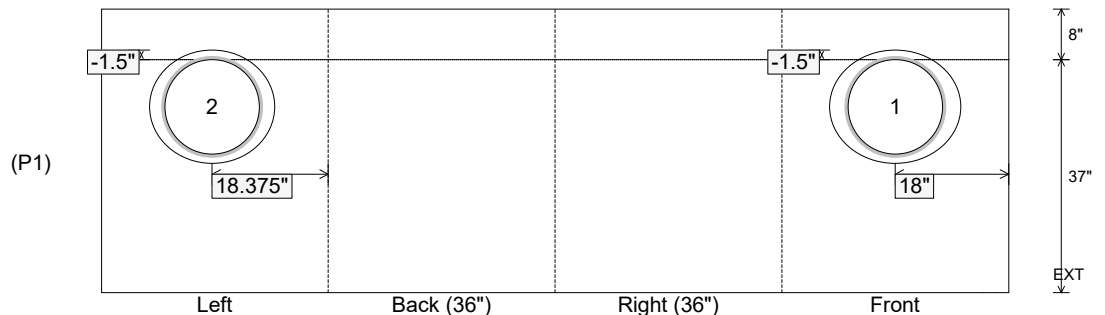
Invert: 1
 Degree: 30°
 Horz: 18"
 Hole: 18"
 Up(): -1.5"

Invert: 2
 Degree: 245°
 Horz: 18.375"
 Hole: 18"
 Up(): -1.5"



Invert: 1
 Degree: 30°
 Horz: 18"
 Hole: 18"
 Up(): -1.5"

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

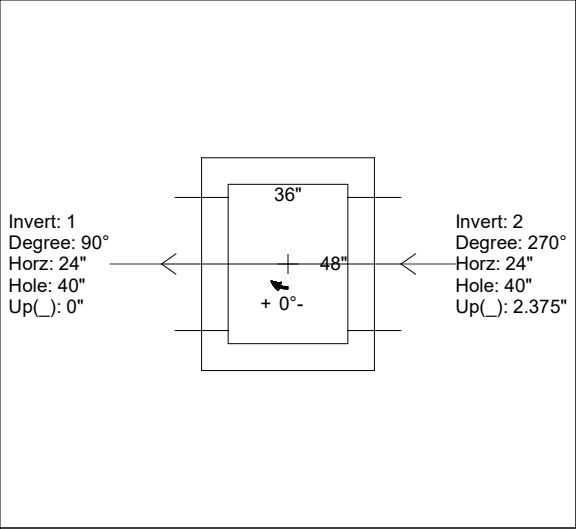
Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 37"
 Height (Ext): 45"

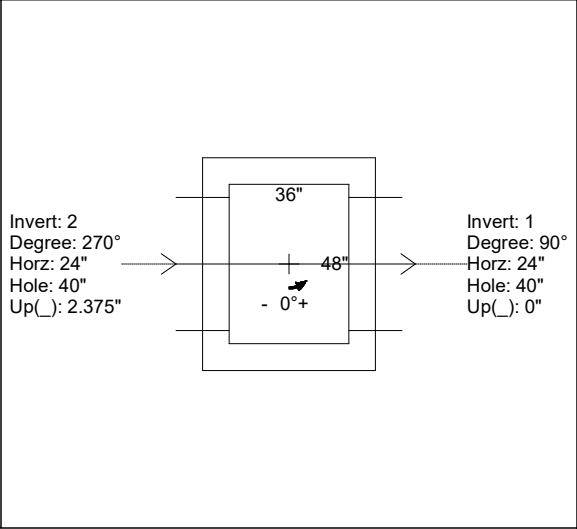
Weight (Net): 5801 lb
 Volume (Net): 1.48cu.yd

Job Name: 26-2038 - Sturgis Municipal Airport-Ph2 Job Location: Sturgis, KY Contractor: M. Bowling, Inc.					Plant: 100 7/31/2026 11:12:08 AM		Tech: Jared - F PC: A. Chambers			
Structure ID: D7 DBI2										
P1 BX3648-08BAVF BOX BASE 8inW, 8inF, Variable Ht T/n										
P3) 36" x 48" - P.I.P. - BY OTHERS - 8" P2) 36" x 48" - BOX RISER 8inW F/G - 24" P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht T/n - 47" 1) CASTING - HOE KY-398 SET (DBI 2) 2) 36" x 48" - Conseal CS-102 1.00" 2) Hole - 40 1) Hole - 10					0 lb 3161 lb 6857 lb 398 lb 0 lb 0 lb 0 lb Structure Total: 10416 lb		Structure Notes: 1. KYTC DBI TYPE 2 / ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. STUB #5 BARS 20" OUT TOP OF WALLS (SPA@12"C/C) 4. CASTING SUPPLIED BY ICAST (HOE KY-398 SET (DBI 2)). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 367.58' Rim to Invert: 6.19' Slack: 0.28" Sump: 5" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	361.39'	90°	32"	30" RCP B WALL	37"	Hole 40	40"	40"	0"	0"
Invert 2	361.59'	270°	32"	30" RCP B WALL	37"	Hole 40	40"	40"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

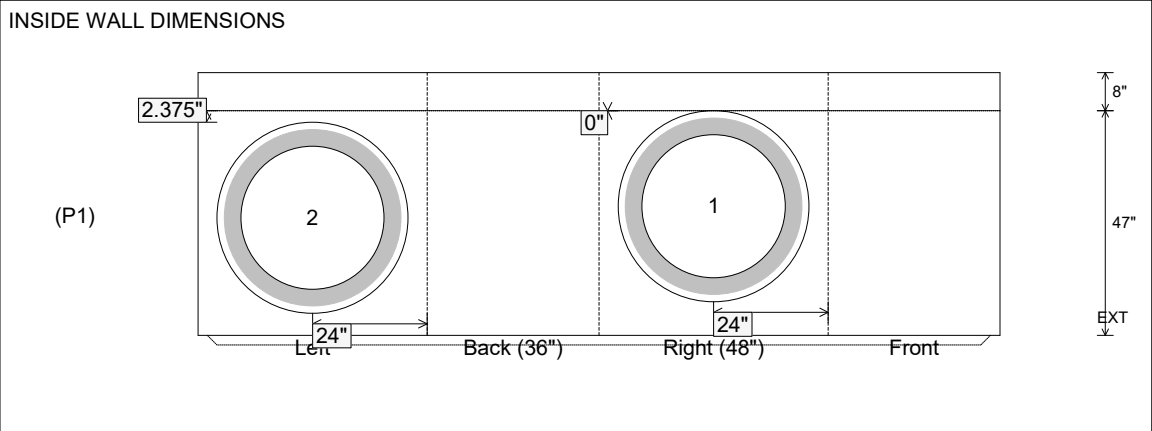
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



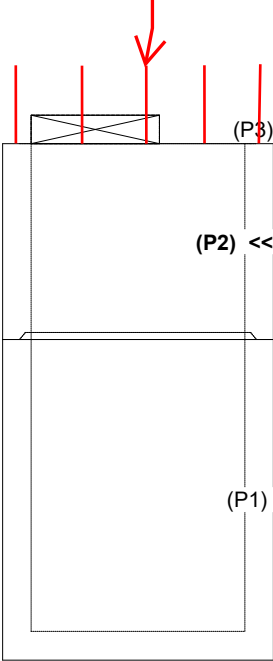
INSIDE WALL DIMENSIONS



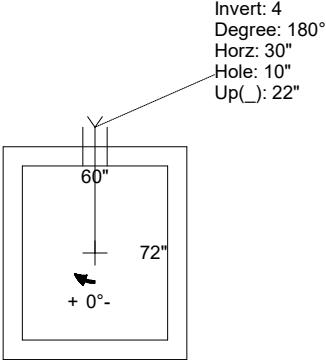
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 47" Height (Ext): 55"	Weight (Net): 6857 lb Volume (Net): 1.75cu.yd
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Job Name: 26-2038 - Sturgis Municipal Airport-Ph2 Job Location: Sturgis, KY Contractor: M. Bowling, Inc.					Plant: 100 7/31/2026 11:12:49 AM		Tech: Jared - F PC: A. Chambers				
Structure ID: C4 DBI7											
P2 BX6072-08RVF		BOX RISER 8inW, Variable Ht F/G									
P3) 36" x 36" - P.I.P. - BY OTHERS - 8" P2) 60" x 72" - BOX RISER 8inW, Variable Ht F/G - 55" P1) 60" x 72" - BOX BASE 8inW, 8inF, Variable Ht T/n - 82" 1) CASTING - HOE KY-328 SET (DBI 7) 2) 60" x 72" - Conseal CS-102 1.00" 1) Hole - 62 1) Hole - 40 1) Hole - 54 1) Hole - 10					0 lb 10876 lb 15713 lb 328 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 26917 lb		Structure Notes: 1. KYTC DBI TYPE 7 / PER ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. STUB #5 BARS 20" OUT TOP OF WALLS (SPA@12"C/C) 4. CASTING SUPPLIED BY ICAST (HOE KY-328 SET (DBI 7)). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W.. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 368.36' Rim to Invert: 11.55' Slack: 0.6" Sump: 7" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4	365.23'	180°	38"	6" HDPE	6.9"	Hole 10	10"	10"	22"	0"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											

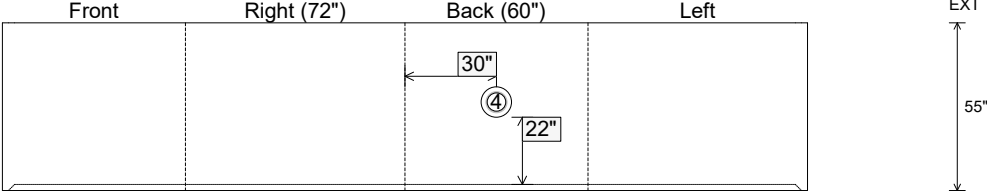
#5 DOWELS @ 12" O.C.
STUBBED 20" OUT THE
TOP OF THE WALLS



RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 55" Height (Ext): 55"	Weight (Net): 10876 lb Volume (Net): 2.78cu.yd
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Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)
Job Location: Indiana, KY
Contractor: Louisville Paving and Construction

Plant: 100

6/12/2026 3:12:27 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 66

P3 BX024030-08LD08-15X27

CB FLAT TOP 8"W w/15"x27" HOLE F/F

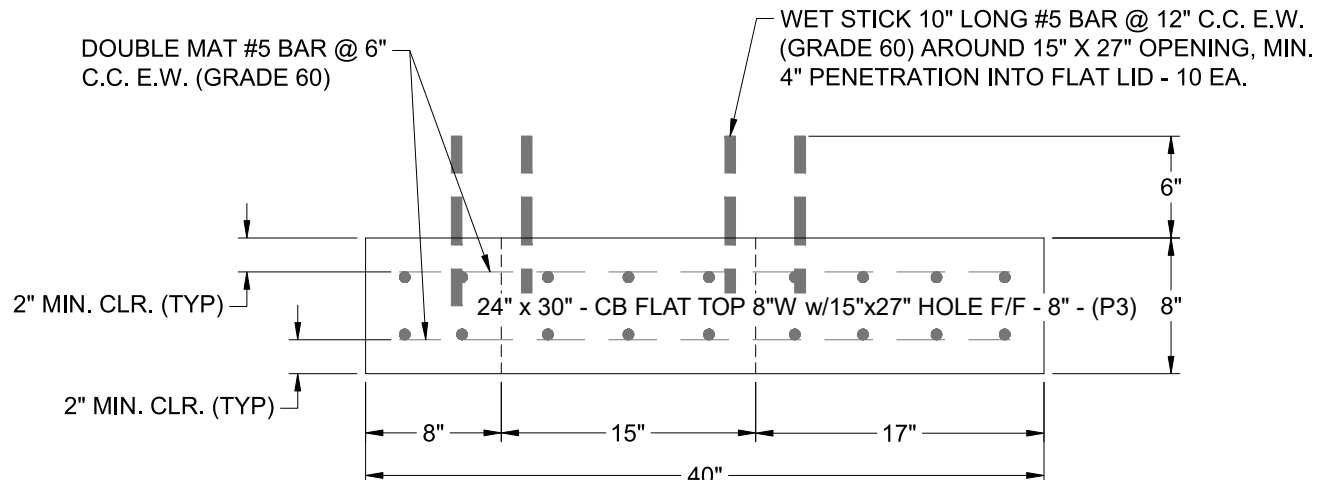
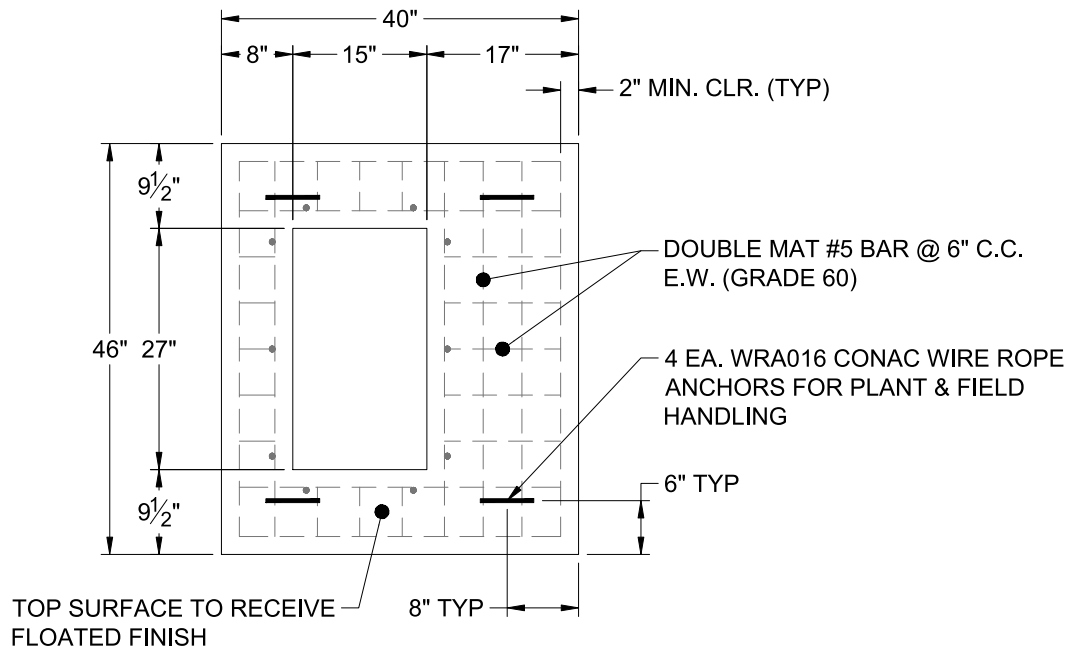
P4) 15" x 27" - P.I.P. - BY OTHERS - 8"
P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"
P2) 24" x 30" - BOX RISER 8inW F/G - 48"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 35"
2) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 24
1) Hole - 18
2) Hole - 4

0 lb
963 lb
4494 lb
3887 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 9345 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI TYPE 13G / ASTM C-913 SPECS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: DOUBLE MAT #5 BAR @ 6" C.C.
E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE KY-230G FRAME & GRATE SUPPLIED BY
OTHERS - POURED IN PLACE BY OTHERS
5. WET STICK #5 BAR @ 12" C.C. (GRADE 60) 6" OUT TOP
OF FLAT LID AROUND 15" X 27" OPENING FOR FIELD
POUR TIE-IN - 4" MIN. PENETRATION INTO FLAT LID
6. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE
ANCHORS FOR PLANT & FIELD HANDLING
7. TOP SURFACE TO RECEIVE FLOATED FINISH



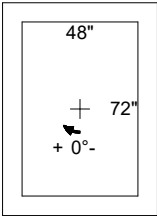
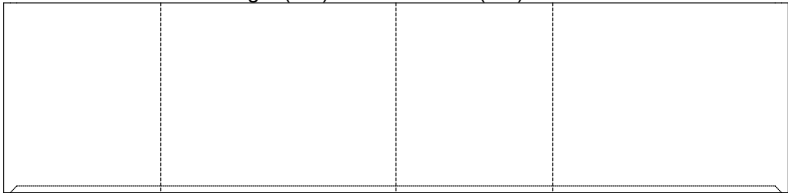
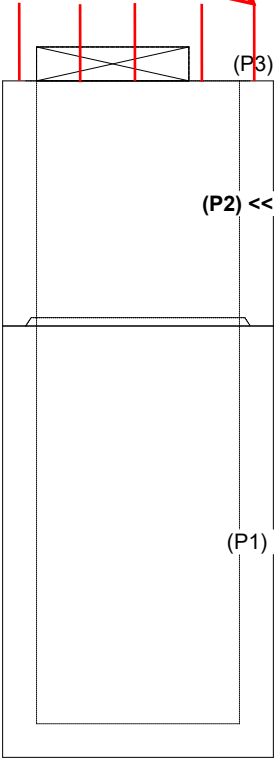
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 963 lb
Volume (Net): 0.25cu.yd

Job Name: 26-2038 - Sturgis Municipal Airport-Ph2 Job Location: Sturgis, KY Contractor: M. Bowling, Inc.					Plant: 100 7/31/2026 11:12:50 AM		Tech: Jared - F PC: A. Chambers				
Structure ID: C12 DBI7											
P2 BX4872-08RSVF		BOX RISER 8inW, Variable Ht F/G									
P3) 36" x 36" - P.I.P. - BY OTHERS - 8" P2) 48" x 72" - BOX RISER 8inW, Variable Ht F/G - 58" P1) 48" x 72" - BOX BASE 8inW, 8inF, Variable Ht T/n - 94" 1) CASTING - HOE KY-328 SET (DBI 7) 2) 48" x 72" - Conseal CS-102 1.00" 2) Hole - 62 2) Hole - 26					0 lb 10590 lb 15256 lb 328 lb 0 lb 0 lb 0 lb ----- 26174 lb Structure Total:		Structure Notes: 1. KYTC DBI TYPE 7 / PER ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. STUB #5 BARS 20" OUT TOP OF WALLS (SPA@12"C/C) 4. CASTING SUPPLIED BY ICAST (HOE KY-328 SET (DBI 7)). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W.. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 368.83' Rim to Invert: 12.83' Slack: 0.96" Sump: 7" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
#5 DOWELS @ 12" O.C. STUBBED 20" OUT THE TOP OF THE WALLS RIGHT-SIDE UP VIEW (int. dimensions)  INSIDE WALL DIMENSIONS  											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: Groove		Wall Thickness: 8" Floor Height: 0"		Height (Int): 58" Height (Ext): 58"		Weight (Net): 10590 lb Volume (Net): 2.7cu.yd		

Job Name: 25-4279 - KYTC Christian Co (251031)
Job Location: Hopkinsville, KY
Contractor: CITCO Water

Plant: 100
5/20/2026 8:47:04 AM

Tech: Jared- F
PC: C. Goff



Structure ID: MM

P1 CVBVF-CDARED

BOX BASE 8inW, 8inF, Variable Ht w/ConBlock-CDA Red

- P3) 36" x 36" - HATCH (CAST FLUSH) - 0"
P2) 72" x 192" - CB FLAT TOP 8"W w/2 HATCHES w/ConBlock-CDA Red - 8"
P1) 72" x 192" - BOX BASE 8inW, 8inF, Variable Ht w/ConBlock-CDA Red - 72"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ADMIXTURE CONBLOCK CDA RED
1) SECONDARY POUR - WALLS
1) 36" x 36" - SGL 1"x14.5' Butyl (2x)
2) Hole - 10

100 lb
10813 lb
39249 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 50162 lb

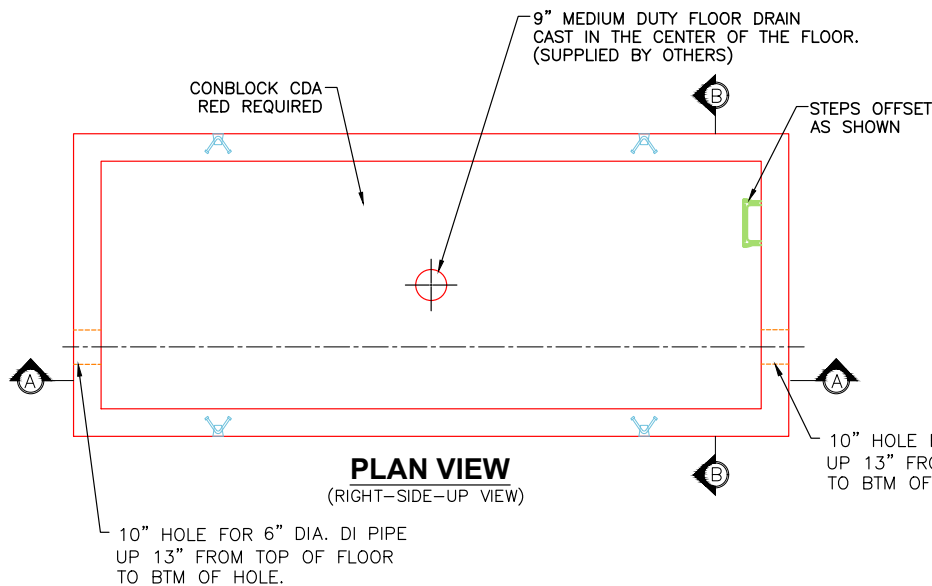
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED
4. 30"x30" & 36"x36" ALUMINUM HATCHES SUPPLIED BY OTHERS & CAST IN TOP SLAB BY ICAST.

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.

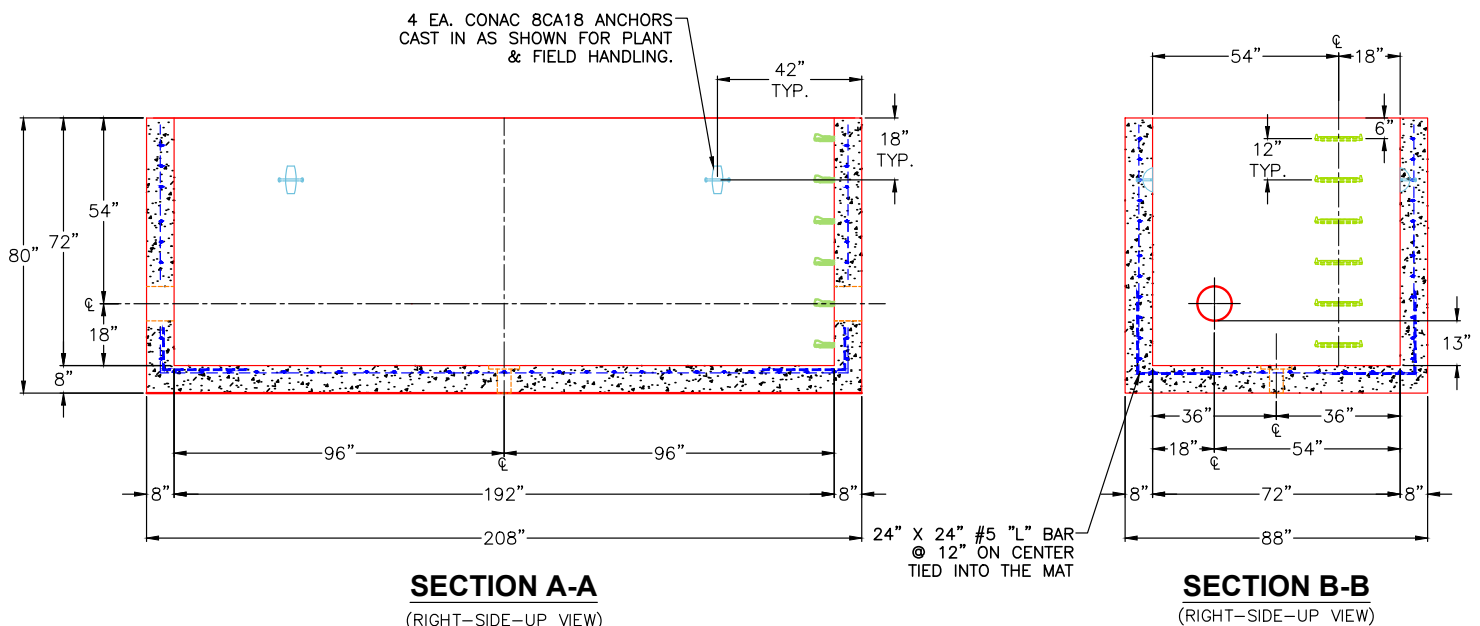
Rim: 6.667' Rim to Invert: 5.417' Slack: 0" Sump: 15" Step Position:



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 8" E.W. O.C. (GRADE 60).
4. WEIGHT:
FIRST POUR - 12,287 LBS.
SECOND POUR - 26,918 LBS.
TOTAL - 39,205 LBS.
5. ALL SECTION REQUIRE CONBLOCK CDA RED ADMIXTURE

FIRST POUR DRAWING



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 72"
Height (Ext): 80"

Weight (Net): 39249 lb
Volume (Net): 10.02cu.yd

Job Name: 25-4279 - KYTC Christian Co (251031)
Job Location: Hopkinsville, KY
Contractor: CITCO Water

Plant: 100
5/20/2026 8:47:04 AM

Tech: Jared- F
PC: C. Goff



Structure ID: MM

P1 CVBVF-CDARED

BOX BASE 8inW, 8inF, Variable Ht w/ConBlock-CDA Red

- P3) 36" x 36" - HATCH (CAST FLUSH) - 0"
P2) 72" x 192" - CB FLAT TOP 8"W w/2 HATCHES w/ConBlock-CDA Red - 8"
P1) 72" x 192" - BOX BASE 8inW, 8inF, Variable Ht w/ConBlock-CDA Red - 72"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ADMIXTURE CONBLOCK CDA RED
1) SECONDARY POUR - WALLS
1) 36" x 36" - SGL 1"x14.5' Butyl (2x)
2) Hole - 10

Structure Total: 50162 lb

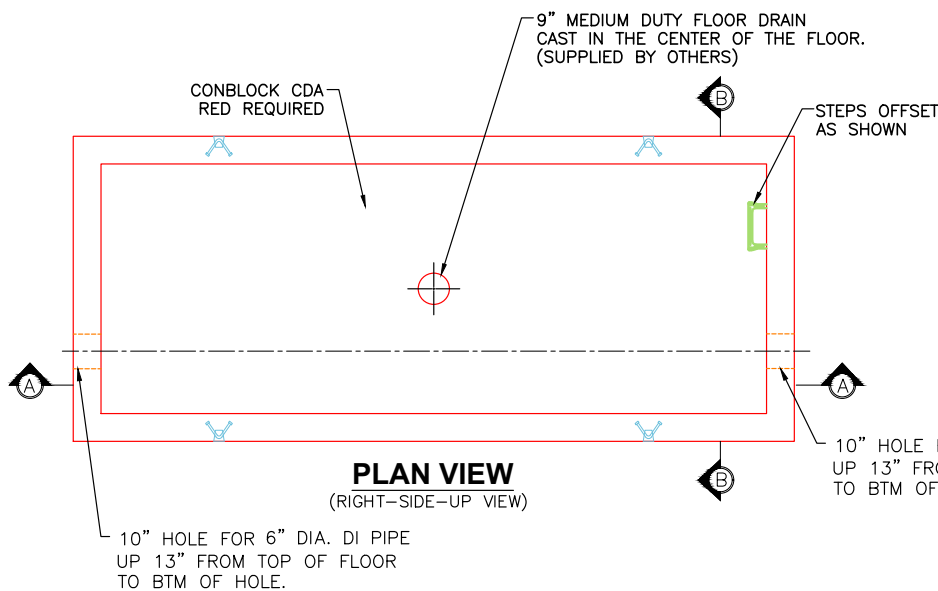
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED
4. 30"x30" & 36"x36" ALUMINUM HATCHES SUPPLIED BY OTHERS & CAST IN TOP SLAB BY ICAST.

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.

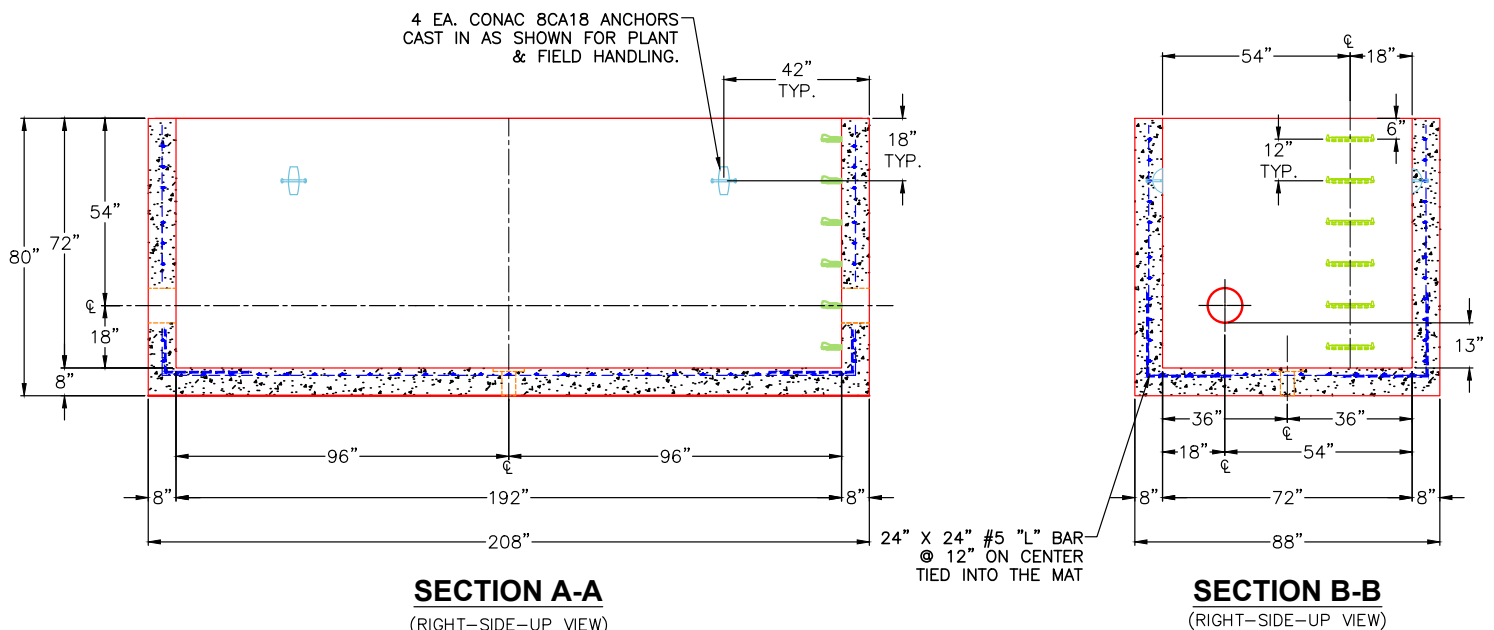
Rim: 6.667' Rim to Invert: 5.417' Slack: 0" Sump: 15" Step Position:



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 8" E.W. O.C. (GRADE 60).
4. WEIGHT:
FIRST POUR - 12,287 LBS.
SECOND POUR - 26,918 LBS.
TOTAL - 39,205 LBS.
5. ALL SECTION REQUIRE CONBLOCK CDA RED ADMIXTURE

SECOND POUR DRAWING



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 72"
Height (Ext): 80"

Weight (Net): 39249 lb
Volume (Net): 10.02cu.yd