

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

Plant: 100

5/29/2026 3:22:05 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: MH-PE

P3 MH120LD18ECC

MH FLAT TOP w/ 24" ECC Hole F/G

- P4) 24" - CASTING HEIGHT - 7"
P3) 120" - MH FLAT TOP w/ 24" ECC Hole F/G - 18"
P2) 120" - MH RISER Custom Ht T/G - 41"
P1) 120" - MH BASE T/n - 60"
1) Chimney Seal - Cretex Chimney Seal
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) 120" - Conseal CS-102 1.00" (Double)
3) Kor-N-Seal2 - S206-42
8) MH Step ML-10-TDS-NCR - 10"

0 lb
16678 lb
15575 lb
34832 lb
10 lb
0 lb
0 lb
0 lb
271 lb
0 lb
20 lb
0 lb

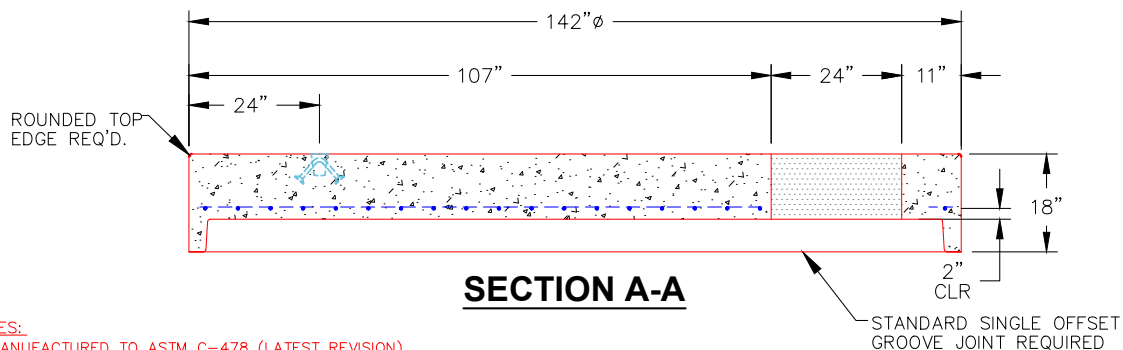
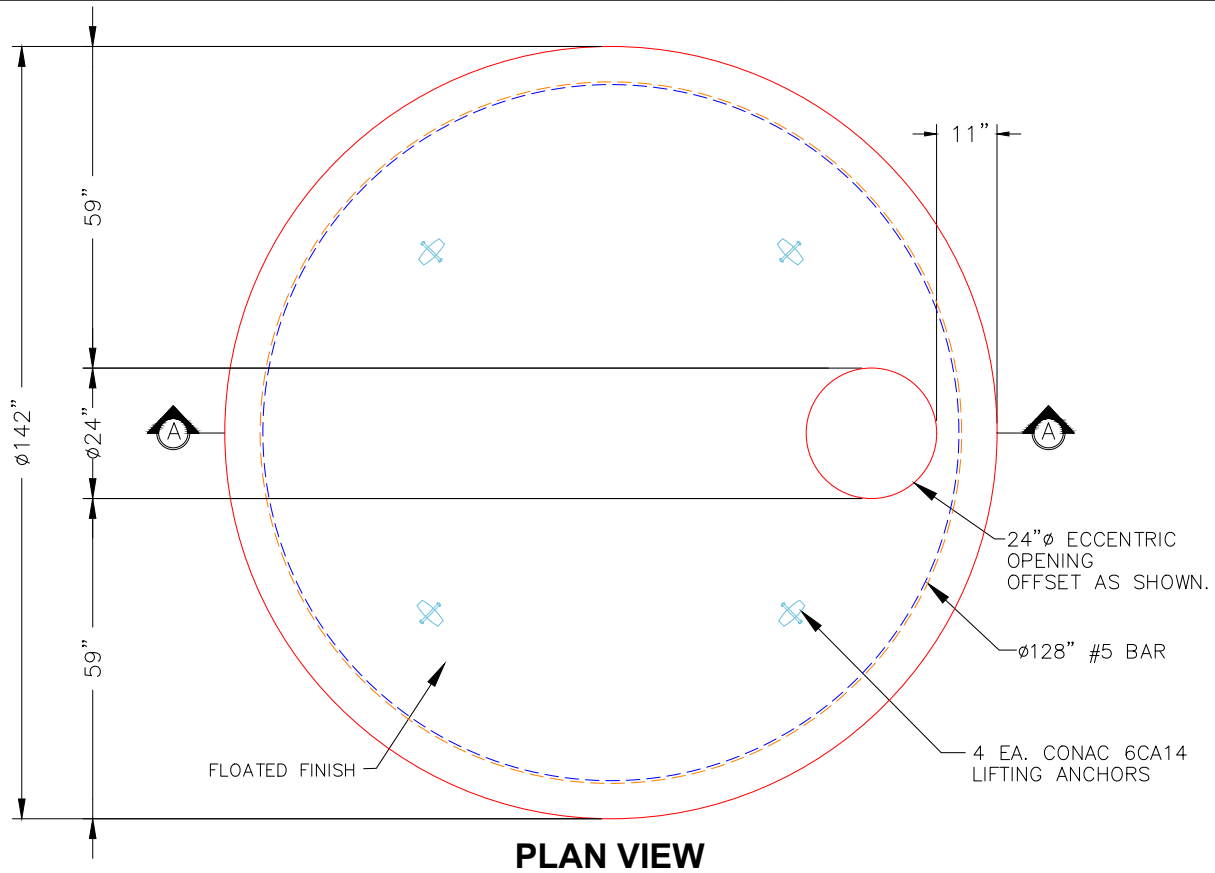
67385 lb

Structure Total:

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY I-CAST (HOE MC-375 F/C SANITARY).

- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
 - RISER/WALLS (As .36)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.



NOTES:

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

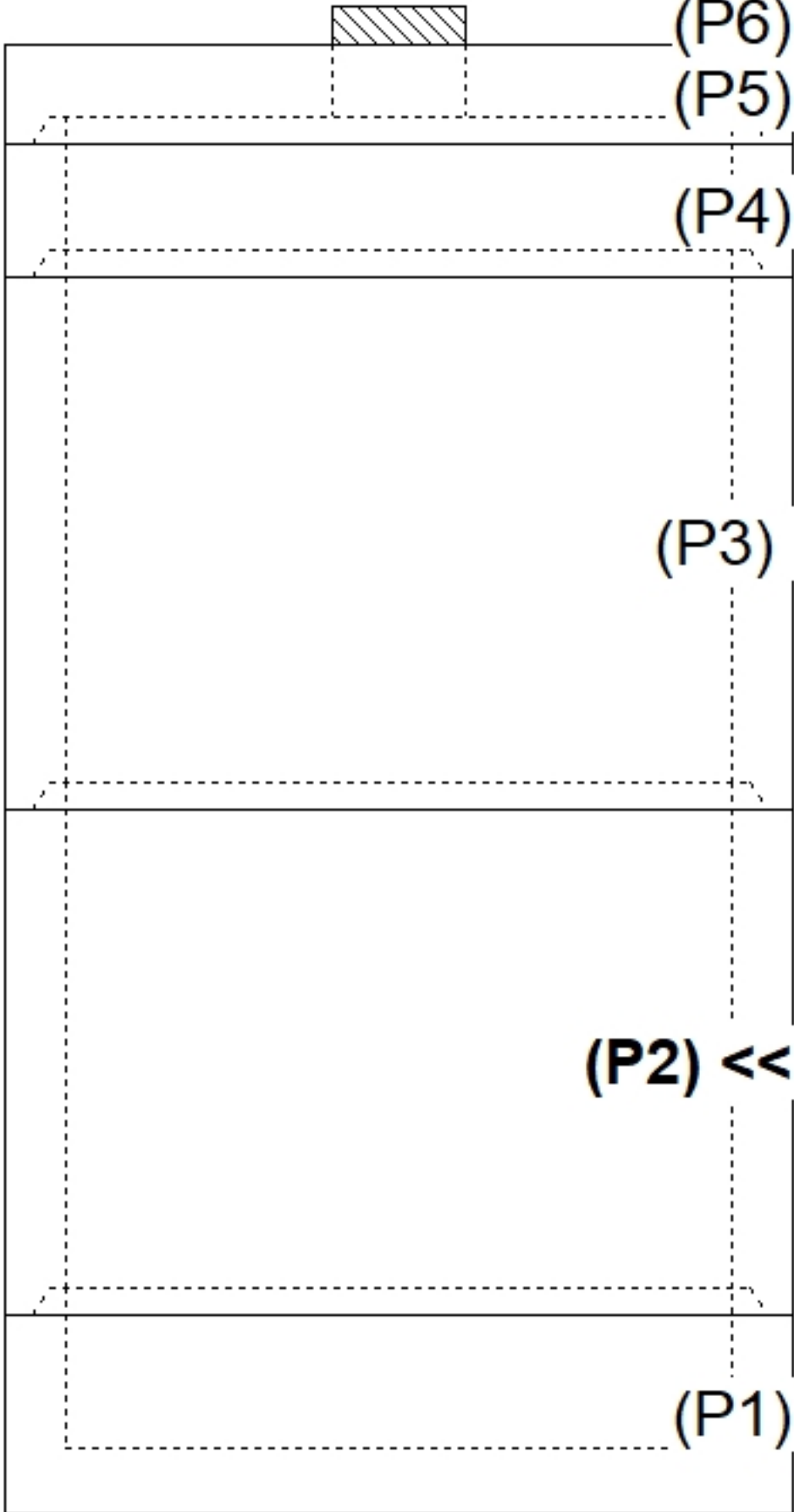
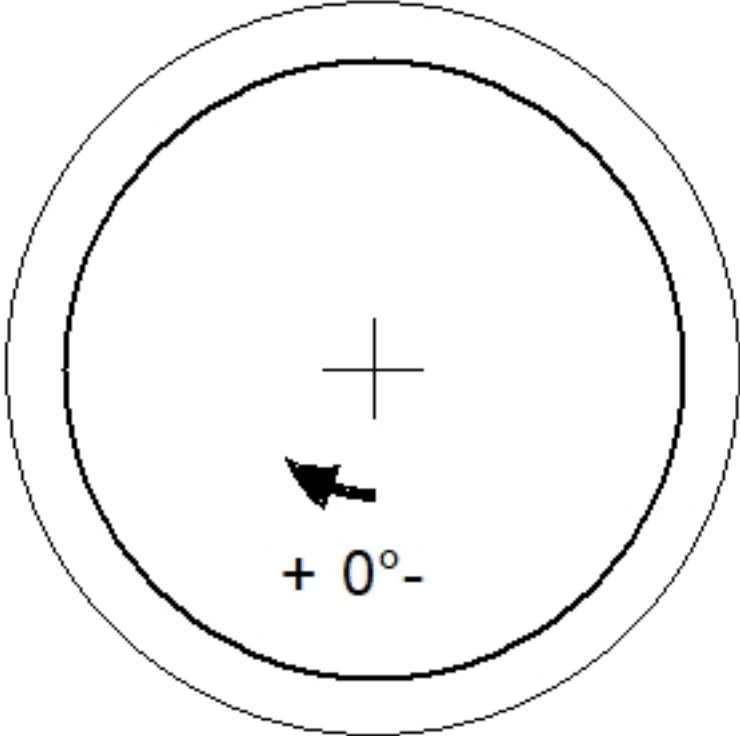
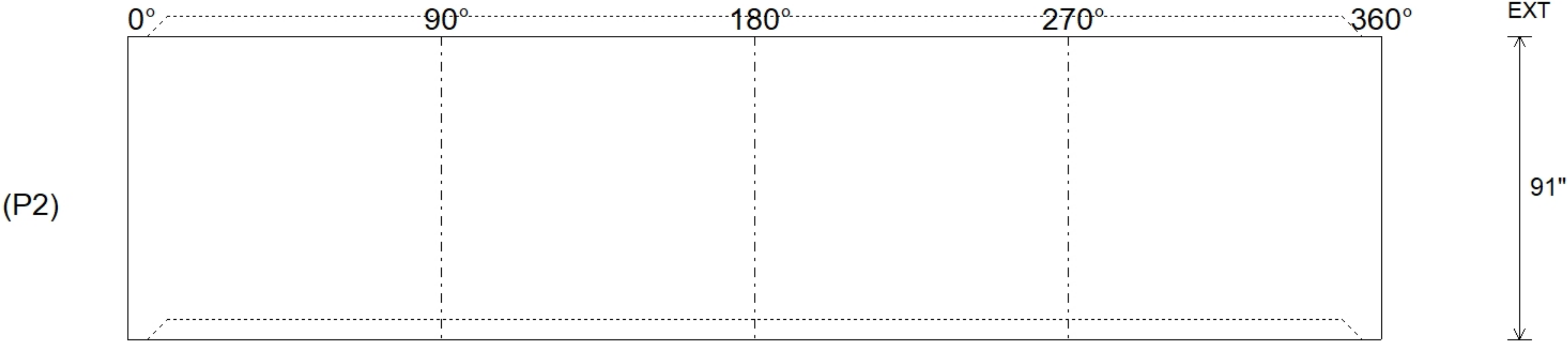
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 11"

Height (Ext): 18"

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

Job Name: 26-3054 ADS Couchville Online Job Location: Nashville, TN Contractor: ADS Advanced Drainage Systems, Inc.				Plant: Beaver Dam 7/23/2026 12:30:36 PM		Tech: S. Felletter PC: T. Ryan						
Structure ID: WQU2												
P2		MH120RSVF		MH RISER Custom Ht T/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.				
Rim: 554.82' Rim to Invert: 8.2' Slack: 0.4" Sump: 162" Step Position: 0°												
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): Coating (Ext):			Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 11" Floor Height: 0"		Height (Int): 91" Height (Ext): 91"		Weight (Net): 34568 lb Volume (Net): 8.83cu.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

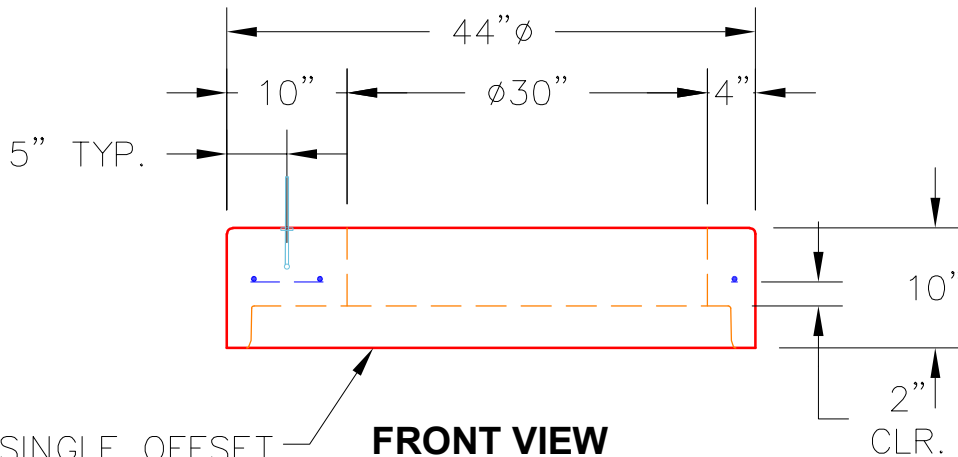
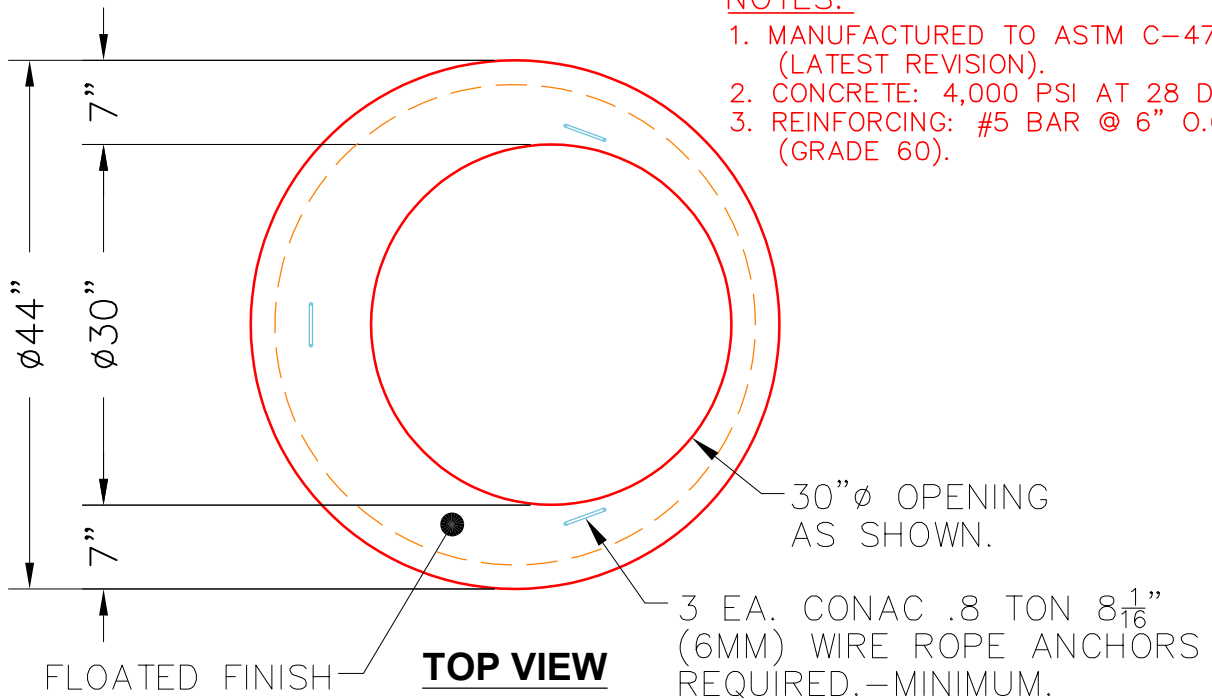
MH FLAT LID w/30in ECC Hole F/G

- 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 Total: 3099 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.

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):

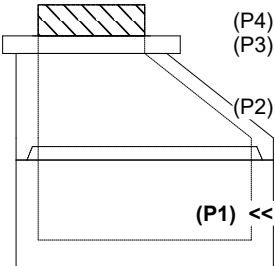
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 4"

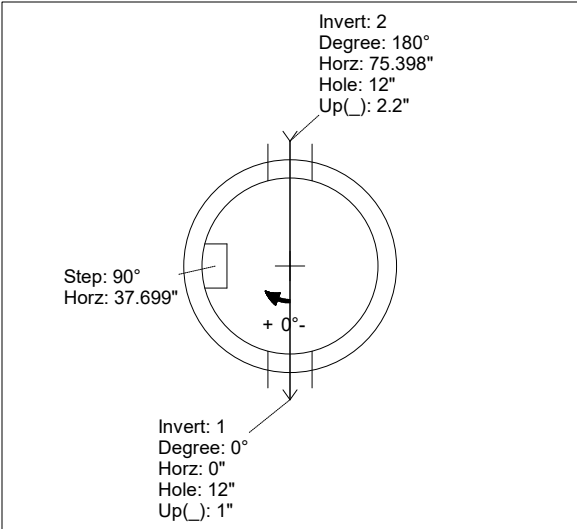
Height (Ext): 10"

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

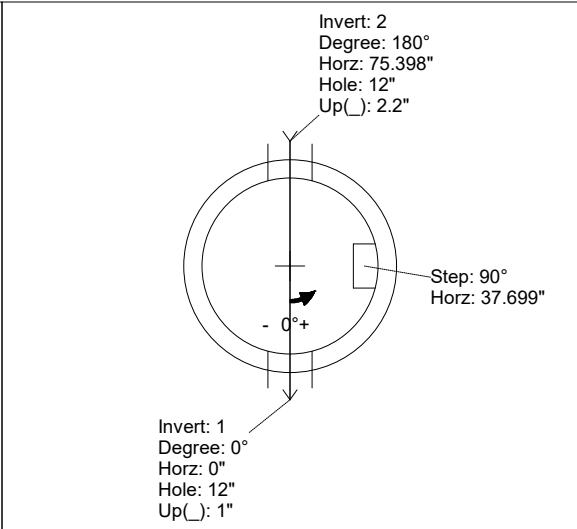
Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:23 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: MH 2 SS-MH											
P1 MH048BA18		MH BASE									
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING - 4" P2) 48" - ECC CONE w/ 24" HOLE - 24" P1) 48" - MH BASE - 18" 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) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 1550 lb 2492 lb 1440 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 5768 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-420 F/C). 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: 1059.01' Rim to Invert: 4.18' Slack: 0.16" Sump: 3" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1054.83'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"	
Invert 2	1054.93'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



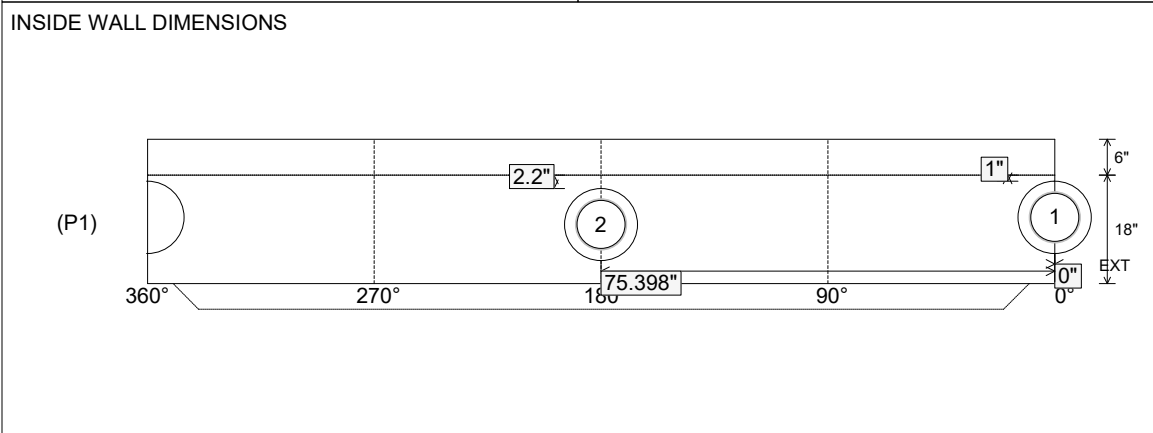
RIGHT-SIDE UP VIEW (int. dimensions)



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): 18" Height (Ext): 24"	Weight (Net): 2492 lb Volume (Net): 0.64cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-2146 - Fairview Apartments

Job Location: Russell Springs, KY 42642

Contractor: Dirt Design Construction LLC

Plant: 100

8/3/2026 11:45:23 AM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: MH 2 SS-MH

P1MH048BA18

MH BASE

P4) 24" - CASTING HEIGHT - 7"

P3) 24" - GRADE RING - 4"

P2) 48" - ECC CONE w/ 24" HOLE - 24"

P1) 48" - MH BASE - 18"

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

2) PSX - 12-08 NYLO

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

0 lb

270 lb

1550 lb

2492 lb

1440 lb

0 lb

0 lb

0 lb

16 lb

0 lb

Structure Total: 5768 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY OTHERS (HOE MC-420 F/C).

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: 1059.01'

Rim to Invert: 4.18'

Slack: 0.16"

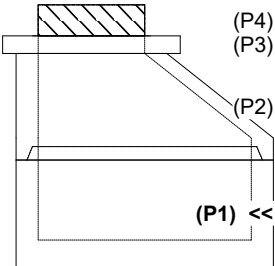
Sump: 3"

Step Position: 90°

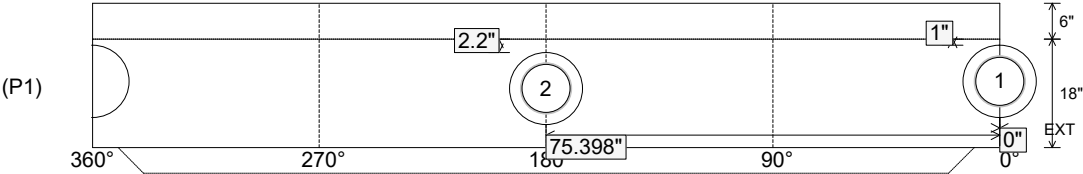
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1054.83'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	1054.93'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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"

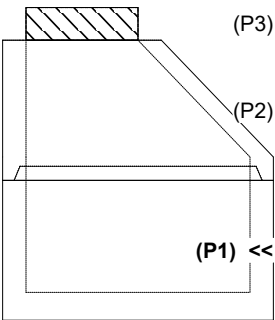
Height (Int): 18"

Height (Ext): 24"

Weight (Net): 2492 lb

Volume (Net): 0.64cu.yd

Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:23 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: MH 3 SS-MH											
P1 MH048BA24		MH BASE									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 30" P1) 48" - MH BASE - 24" 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) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10" Structure Total: 6417 lb						0 lb 2050 lb 2911 lb 1440 lb 0 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- 6417 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-420 F/C). 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: 1065.9' Rim to Invert: 4.9' Slack: 0.8" Sump: 3" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1061'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"	
Invert 2	1061.1'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

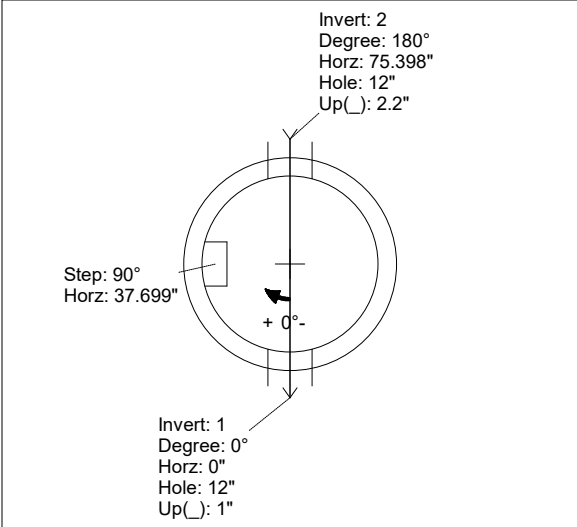


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

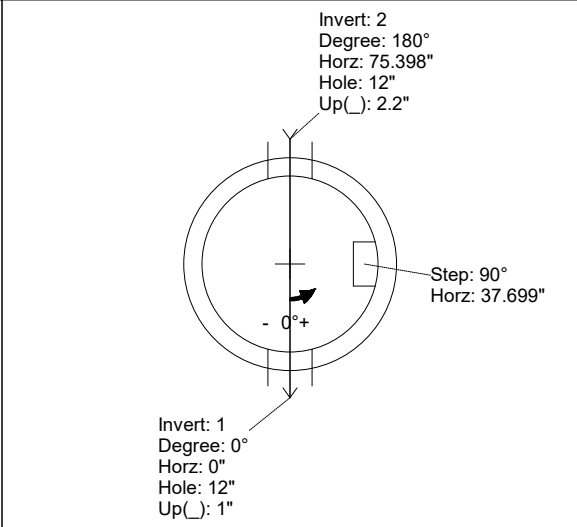


Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 2.2"

Step: 90°
Horz: 37.699"

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

UPSIDE-DOWN VIEW (int. dimensions)

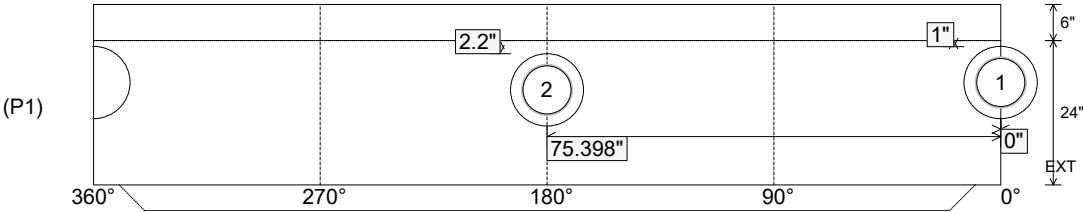


Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 2.2"

Step: 90°
Horz: 37.699"

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

INSIDE WALL DIMENSIONS



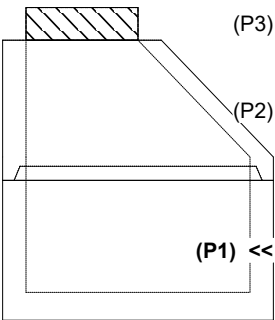
(P1)

360° 270° 180° 90° 0°

2.2" 1" 75.398" 24" 6" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2911 lb Volume (Net): 0.74cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:23 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: MH 3 SS-MH											
P1 MH048BA24		MH BASE									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 30" P1) 48" - MH BASE - 24" 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) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10"						0 lb 2050 lb 2911 lb 1440 lb 0 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 6417 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-420 F/C). 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: 1065.9' Rim to Invert: 4.9' Slack: 0.8" Sump: 3" Step Position: 90°						INVERT CHANNEL DRAWING FULL HEIGHT INVERT					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1061'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"	
Invert 2	1061.1'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

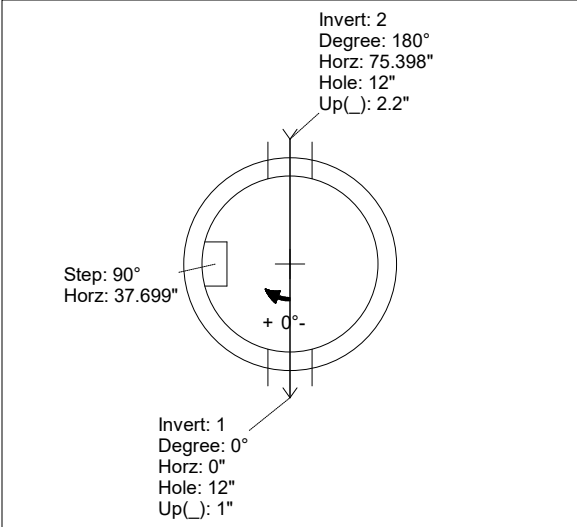


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

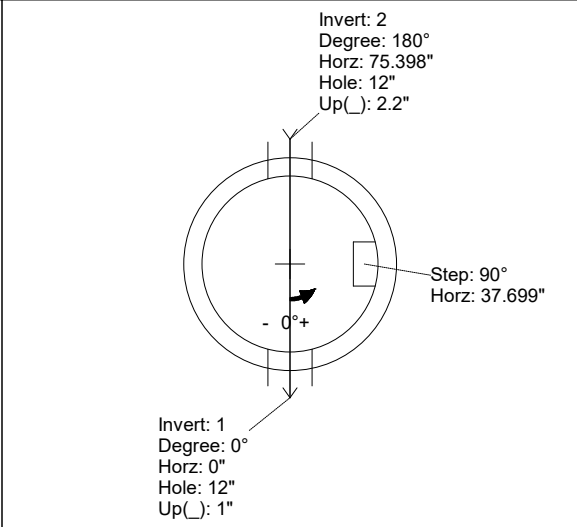


Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 2.2"

Step: 90°
Horz: 37.699"

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

UPSIDE-DOWN VIEW (int. dimensions)

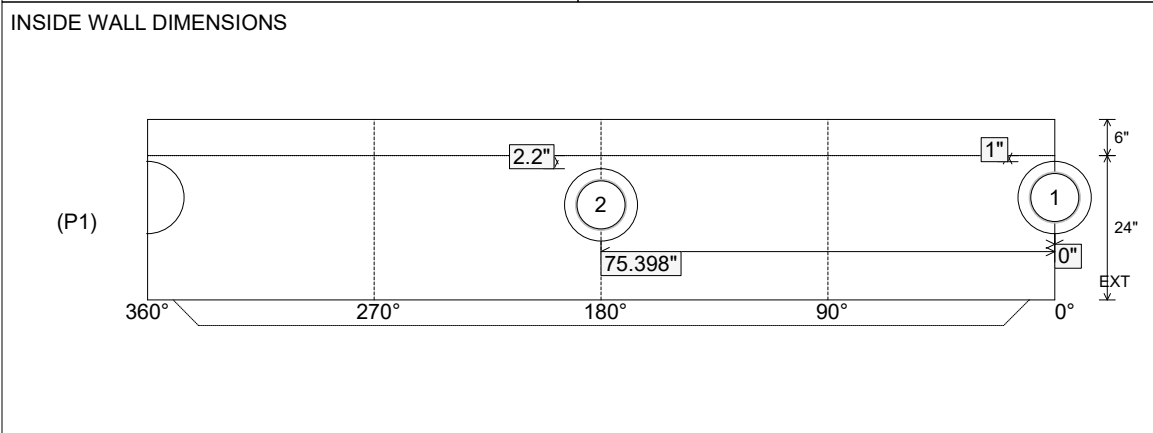


Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 2.2"

Step: 90°
Horz: 37.699"

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

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

2.2" 1" 6" 24" EXT

75.398" 0"

2 1

Coating (Int):
Coating (Ext):

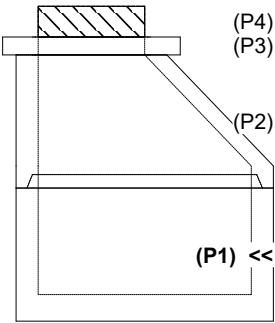
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

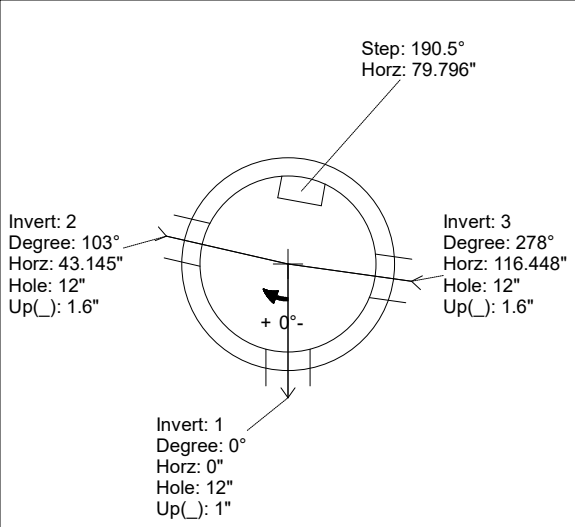
Height (Int): 24"
Height (Ext): 30"

Weight (Net): 2911 lb
Volume (Net): 0.74cu.yd

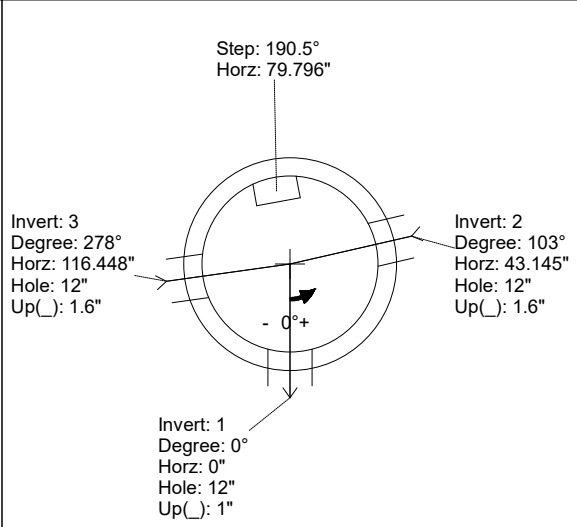
Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:22 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: MH 1 SS-MH											
P1 MH048BA24		MH BASE									
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING - 4" P2) 48" - ECC CONE w/ 24" HOLE - 30" P1) 48" - MH BASE - 24" 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) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2050 lb 2863 lb 1440 lb 0 lb 0 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 6647 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-420 F/C). 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: 1059.44' Rim to Invert: 5.21' Slack: 0.52' Sump: 3" Step Position: 190.5°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1054.23'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"	
Invert 2	1054.28'	103°	52.133"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.6"	0"	
Invert 3	1054.28'	278°	140.708"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.6"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



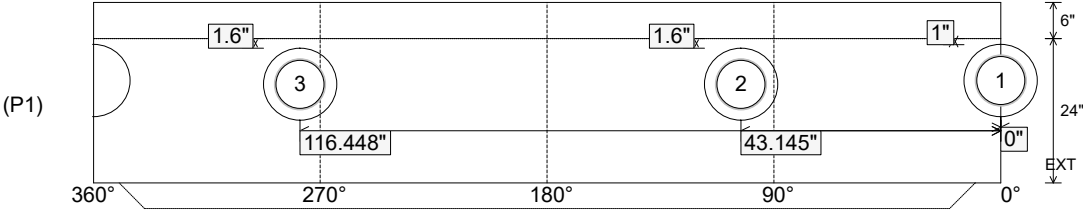
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

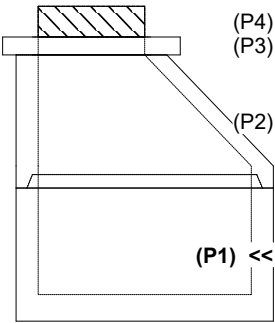


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2863 lb Volume (Net): 0.73cu.yd
----------------------------------	---------------------------------	--	--	--

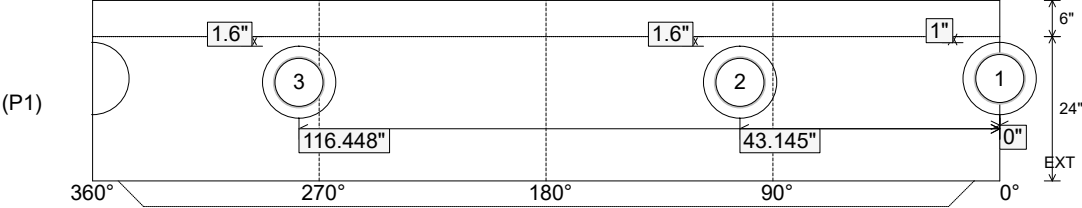
Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:22 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: MH 1 SS-MH											
P1 MH048BA24		MH BASE									
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING - 4" P2) 48" - ECC CONE w/ 24" HOLE - 30" P1) 48" - MH BASE - 24" 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) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2050 lb 2863 lb 1440 lb 0 lb 0 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 6647 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-420 F/C). 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: 1059.44' Rim to Invert: 5.21' Slack: 0.52' Sump: 3" Step Position: 190.5°					INVERT CHANNEL DRAWING FULL HEIGHT INVERT						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1054.23'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"	
Invert 2	1054.28'	103°	52.133"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.6"	0"	
Invert 3	1054.28'	278°	140.708"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.6"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

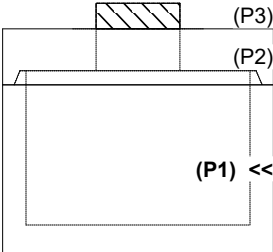
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

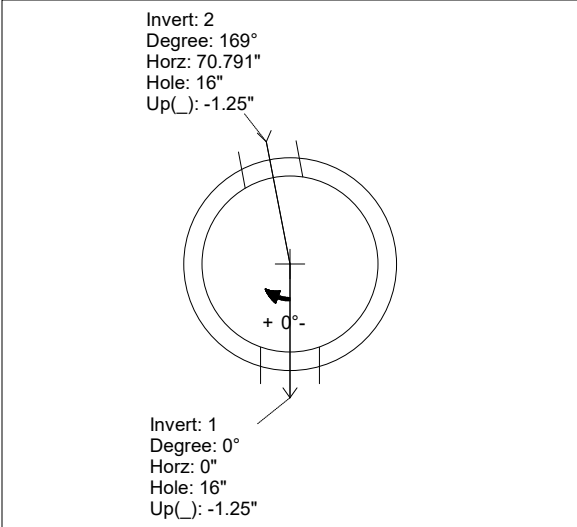


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2863 lb Volume (Net): 0.73cu.yd
----------------------------------	---------------------------------	--	--	--

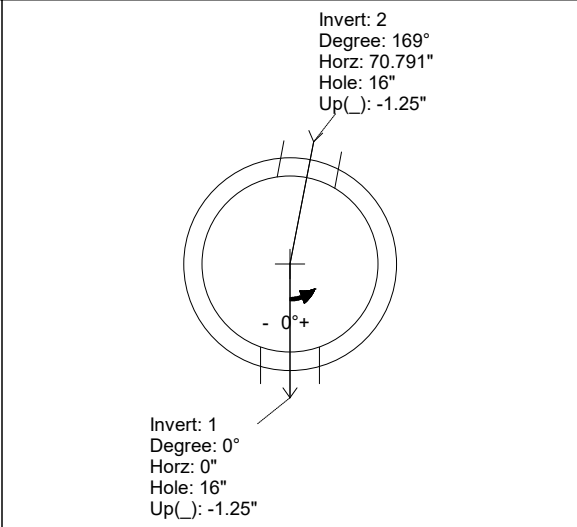
Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:26 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: 05 ST-SCB											
P1 MH048BA30		MH BASE									
P3) 18" x 36" - CASTING HEIGHT - 5.5" P2) 48" - MH FLAT TOP w/18"x36" Hole - 12" P1) 48" - MH BASE - 30" 1) 48" - Conseal CS-102 1.00" 2) Hole - 16						0 lb 2008 lb 3255 lb 0 lb 0 lb 0 lb ----- Structure Total: 5262 lb		Structure Notes: . 1. PER ASTM C478 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. - RISER (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 1063.1'		Rim to Invert: 4.03'		Slack: 0.86"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1059.07'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"	
Invert 2	1059.07'	169°	85.539"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



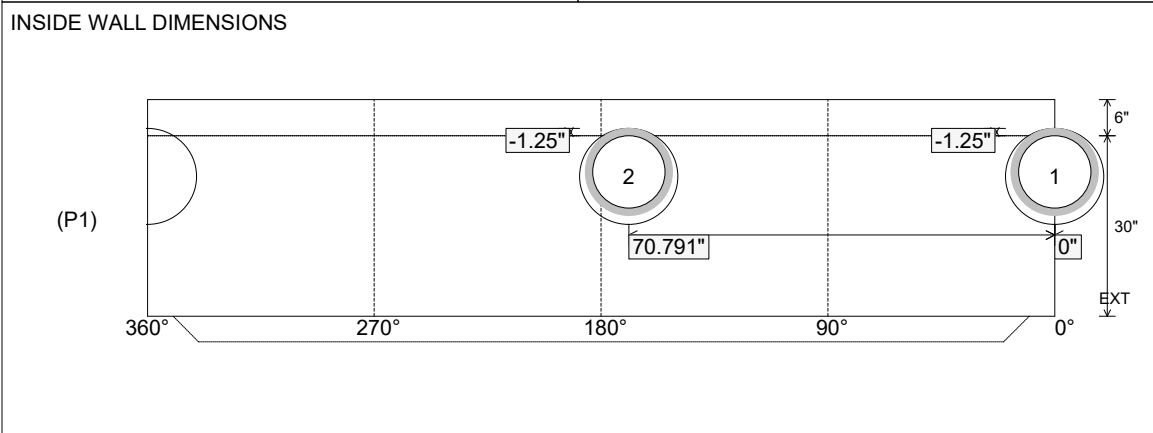
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

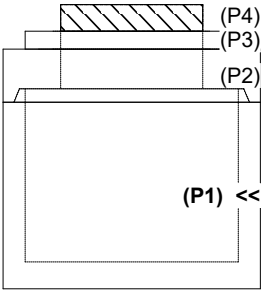


INSIDE WALL DIMENSIONS

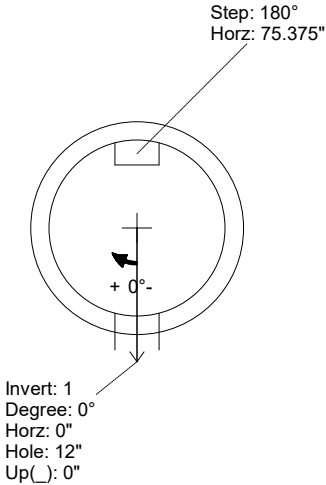


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3255 lb Volume (Net): 0.83cu.yd
----------------------------------	---------------------------------	--	--	--

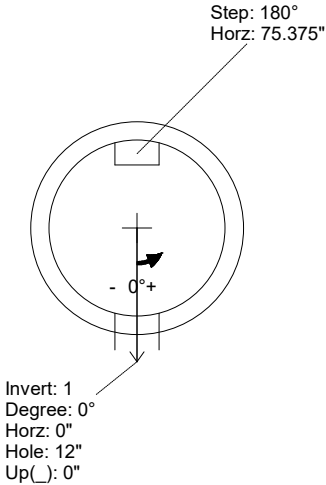
Job Name: 26-2889 - 1605 Seminary Street Job Location: Nashville, TN 37207 Contractor: Hayes Pipe Supply					Plant: 100 7/27/2026 8:29:01 PM		Tech: Jared - F PC: E. Bradley				
Structure ID: One SS-MH											
P1 MH048BA36CDARED				MH BASE w/ConBlock-CDA Red T/n							
P4) 32" - CASTING HEIGHT - 6" P3) 32" - GRADE RING w/ConBlock-CDA Red F/F - 4" P2) 48" - MH FLAT TOP w/32" Hole CC w/ConBlock-CDA Red F/G - 12" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) ADMIXTURE CONBLOCK CDA RED 1) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 3) MH Step ML-10-TDS-NCR - 10"					0 lb 337 lb 1351 lb 3797 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 8 lb 0 lb ----- 6934 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING SUPPLIED BY OTHERS (NASH LOGO SAN SEWER F&C). 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: 447.62' Rim to Invert: 4.67' Slack: 0.04" Sump: 2" Step Position: 180°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	442.95'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



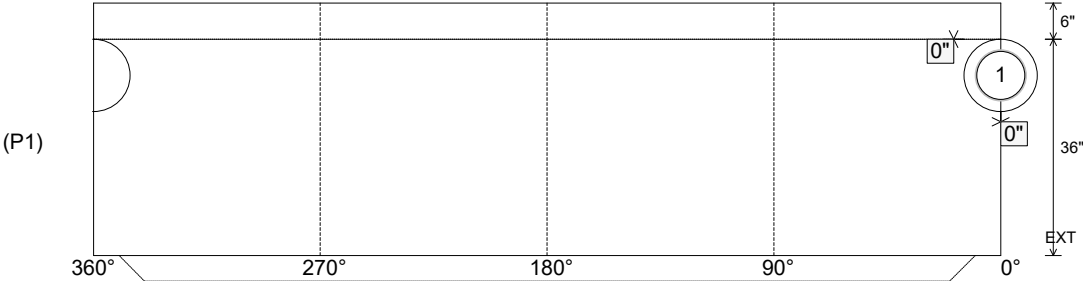
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



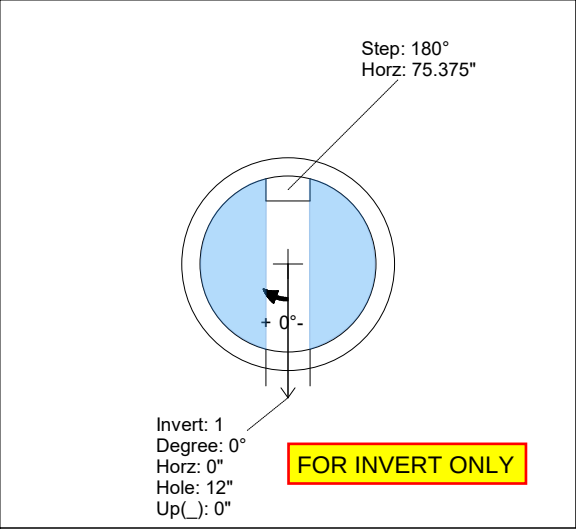
INSIDE WALL DIMENSIONS



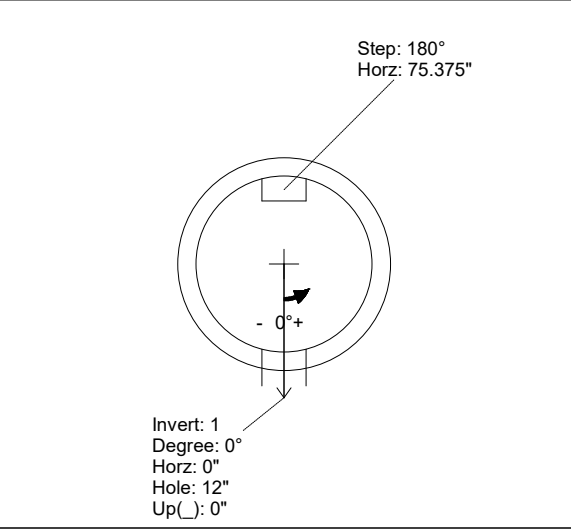
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3797 lb Volume (Net): 0.97cu.yd
----------------------------------	---------------------------------	--	--	--

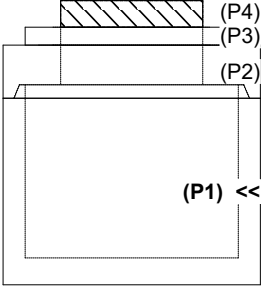
Job Name: 26-2889 - 1605 Seminary Street Job Location: Nashville, TN 37207 Contractor: Hayes Pipe Supply					Plant: 100 7/27/2026 8:29:01 PM		Tech: Jared - F PC: E. Bradley			
Structure ID: One SS-MH										
P1 MH048BA36CDARED			MH BASE w/ConBlock-CDA Red T/n							
P4) 32" - CASTING HEIGHT - 6" P3) 32" - GRADE RING w/ConBlock-CDA Red F/F - 4" P2) 48" - MH FLAT TOP w/32" Hole CC w/ConBlock-CDA Red F/G - 12" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) ADMIXTURE CONBLOCK CDA RED 1) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 3) MH Step ML-10-TDS-NCR - 10"					0 lb 337 lb 1351 lb 3797 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 8 lb 0 lb ----- 6934 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING SUPPLIED BY OTHERS (NASH LOGO SAN SEWER F&C). . 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: 447.62' Rim to Invert: 4.67' Slack: 0.04" Sump: 2" Step Position: 180°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	442.95'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

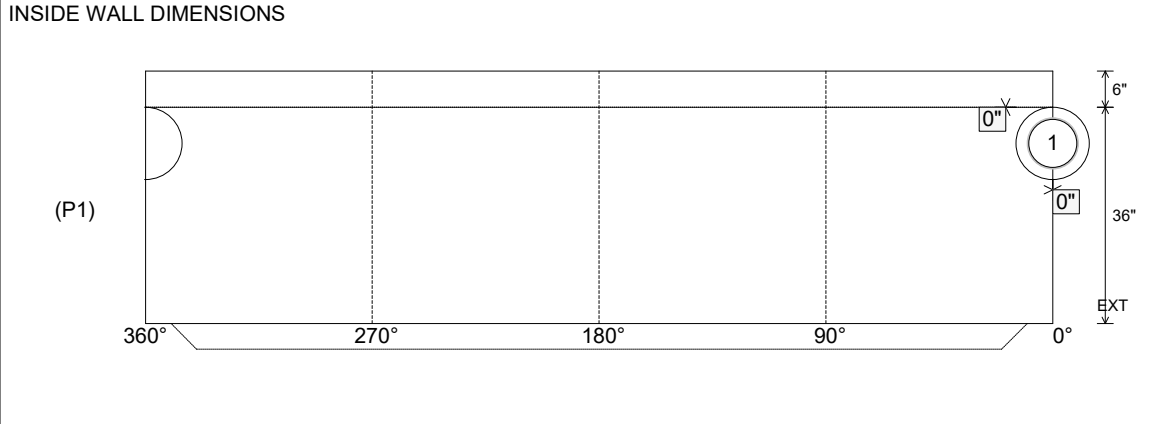


UPSIDE-DOWN VIEW (int. dimensions)



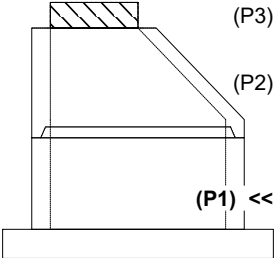


INSIDE WALL DIMENSIONS

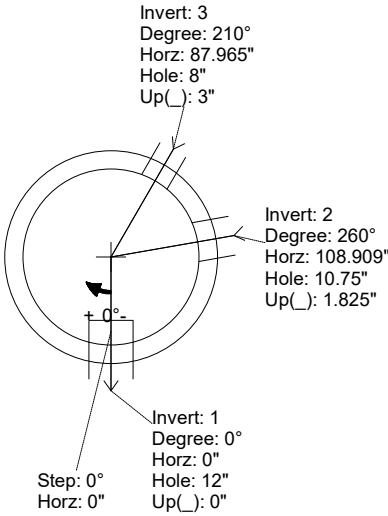


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3797 lb Volume (Net): 0.97cu.yd
----------------------------------	---------------------------------	--	--	--

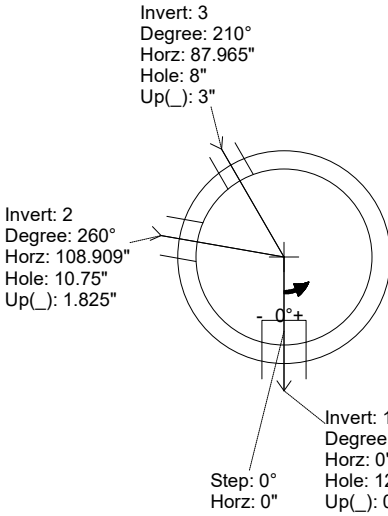
Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:55 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH B1											
P1 MH048BAEVF		MH BASE w/FLANGE (08F/08EF)									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 30" P1) 48" - MH BASE w/FLANGE (08F/08EF) - 25" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-231 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) Quik-Lok - QL-08-C 1) PSX - 8QRS-S NYLO					0 lb 2050 lb 4526 lb 1440 lb 0 lb 0 lb 340 lb 0 lb 0 lb 8 lb 1 lb 6 lb ----- Structure Total: 8372 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: 786.25' Rim to Invert: 5' Slack: 0" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	781.25'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	781.35'	260°	131.598"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	1.825"	0"	
Invert 3	781.5'	210°	106.291"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	3"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



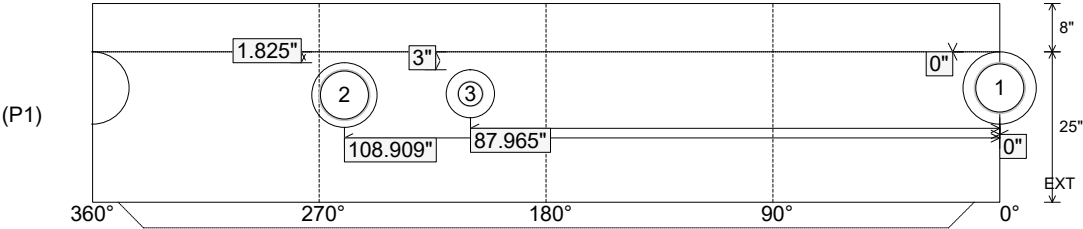
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

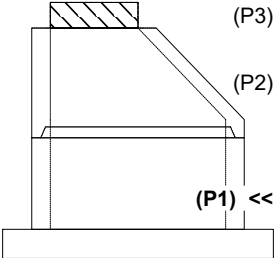


INSIDE WALL DIMENSIONS

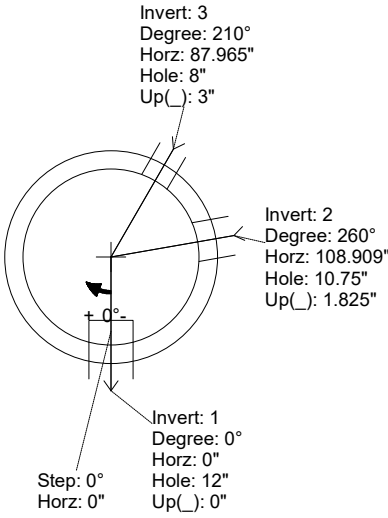


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 4526 lb Volume (Net): 1.16cu.yd
----------------------------------	---------------------------------	--	--	--

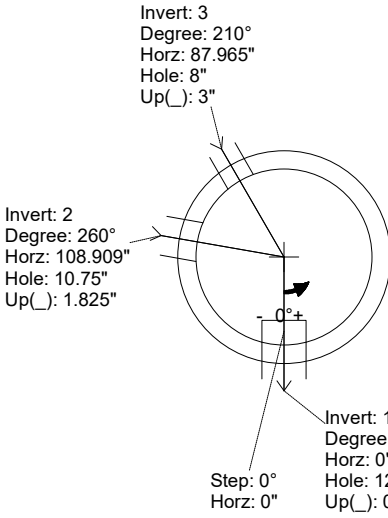
Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:55 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH B1											
P1 MH048BAEVF		MH BASE w/FLANGE (08F/08EF)									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 30" P1) 48" - MH BASE w/FLANGE (08F/08EF) - 25" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-231 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) Quik-Lok - QL-08-C 1) PSX - 8QRS-S NYLO					0 lb 2050 lb 4526 lb 1440 lb 0 lb 0 lb 340 lb 0 lb 0 lb 8 lb 1 lb 6 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: 786.25' Rim to Invert: 5' Slack: 0" Sump: 2" Step Position: 0"					Structure Total: 8372 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	781.25'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	781.35'	260°	131.598"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	1.825"	0"	
Invert 3	781.5'	210°	106.291"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	3"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



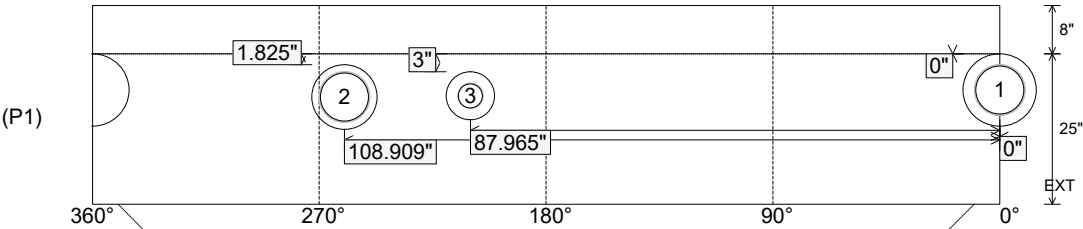
RIGHT-SIDE UP VIEW (int. dimensions)



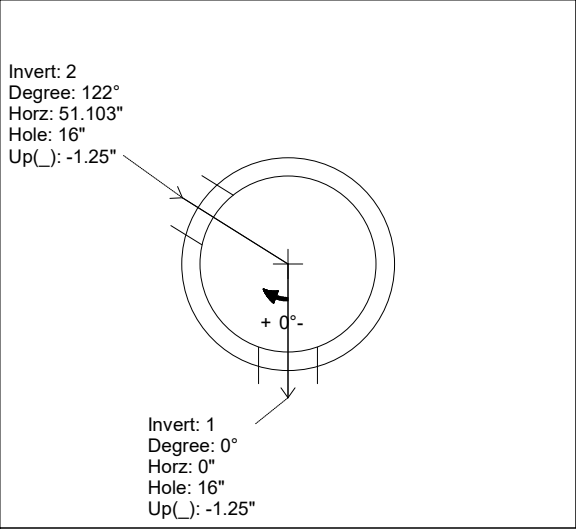
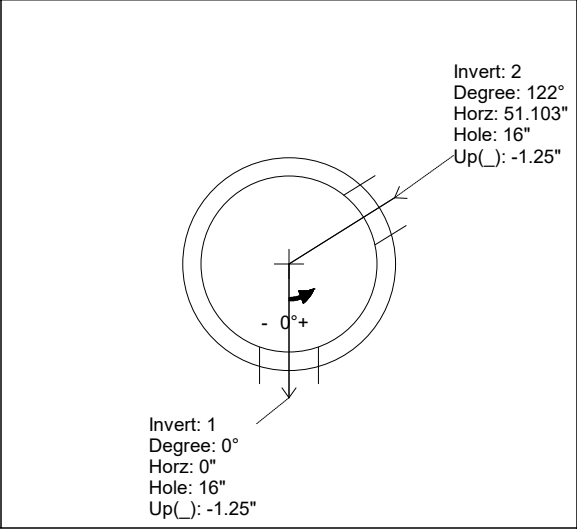
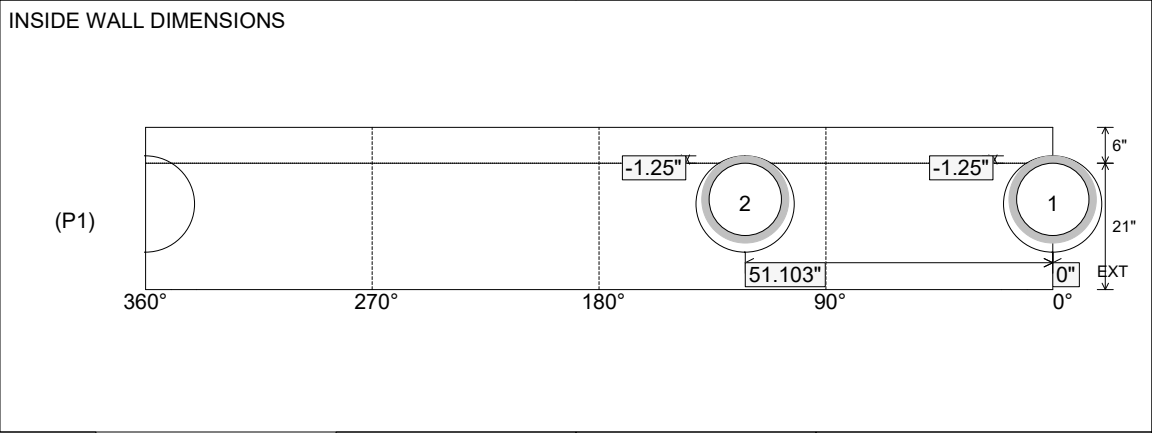
UPSIDE-DOWN VIEW (int. dimensions)



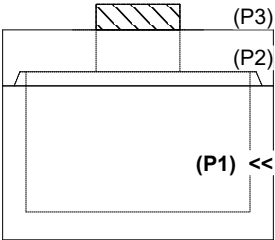
INSIDE WALL DIMENSIONS



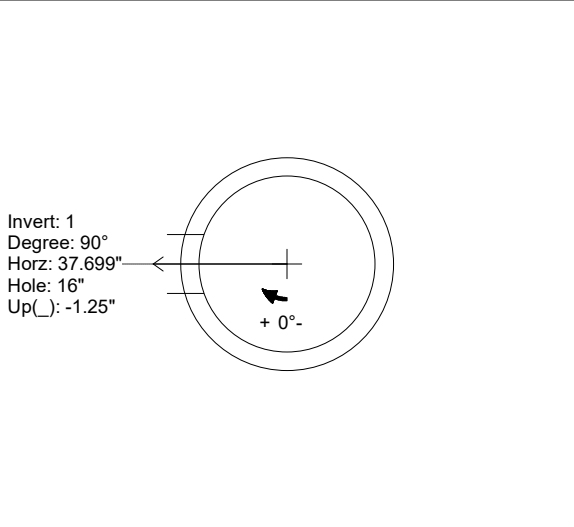
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 4526 lb Volume (Net): 1.16cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:31 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: 11 ST-DCB											
P1 MH048BAVF		MH BASE Custom Ht									
P3) 18" x 36" - CASTING HEIGHT - 5.5" P2) 48" - MH FLAT TOP w/18"x36" Hole - 7" P1) 48" - MH BASE Custom Ht - 21" 1) 48" - Conseal CS-102 1.00" 2) Hole - 16						0 lb 1171 lb 2615 lb 0 lb 0 lb ----- Structure Total: 3787 lb		Structure Notes: 1. PER ASTM C478 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. - RISER (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 1062.55' 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	1059.75'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312", 4"	-1.25"	0"	
Invert 2	1059.75'	122°	61.75"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) Invert: 2 Degree: 122° Horz: 51.103" Hole: 16" Up():-1.25"  Invert: 1 Degree: 0° Horz: 0" Hole: 16" Up():-1.25" UPSIDE-DOWN VIEW (int. dimenions) Invert: 2 Degree: 122° Horz: 51.103" Hole: 16" Up():-1.25"  Invert: 1 Degree: 0° Horz: 0" Hole: 16" Up():-1.25" INSIDE WALL DIMENSIONS  Coating (Int): Coating (Ext): Seam Up: Flat Seam Dn: n/a Wall Thickness: 5" Floor Height: 6" Height (Int): 21" Height (Ext): 27" Weight (Net): 2615 lb Volume (Net): 0.67cu.yd											

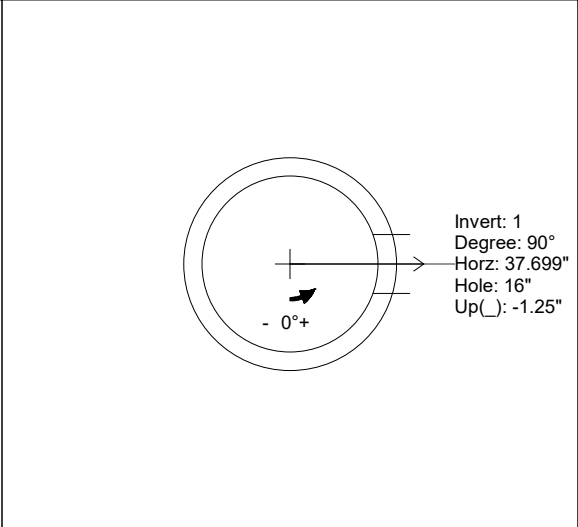
Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:29 AM		Tech: J. Horsley PC: M. Sullivan			
Structure ID: 08 ST-SCB										
P1 MH048BAVF			MH BASE Custom Ht							
P3) 18" x 36" - CASTING HEIGHT - 5.5" P2) 48" - MH FLAT TOP w/18"x36" Hole - 12" P1) 48" - MH BASE Custom Ht - 27" 1) 48" - Conseal CS-102 1.00" 1) Hole - 16					0 lb 2008 lb 3131 lb 0 lb 0 lb ----- 0 lb Structure Total: 5139 lb		Structure Notes: 1. PER ASTM C478 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 .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.			
Rim: 1069.8' Rim to Invert: 3.73' Slack: 0.26" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1066.07'	90°	45.553"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



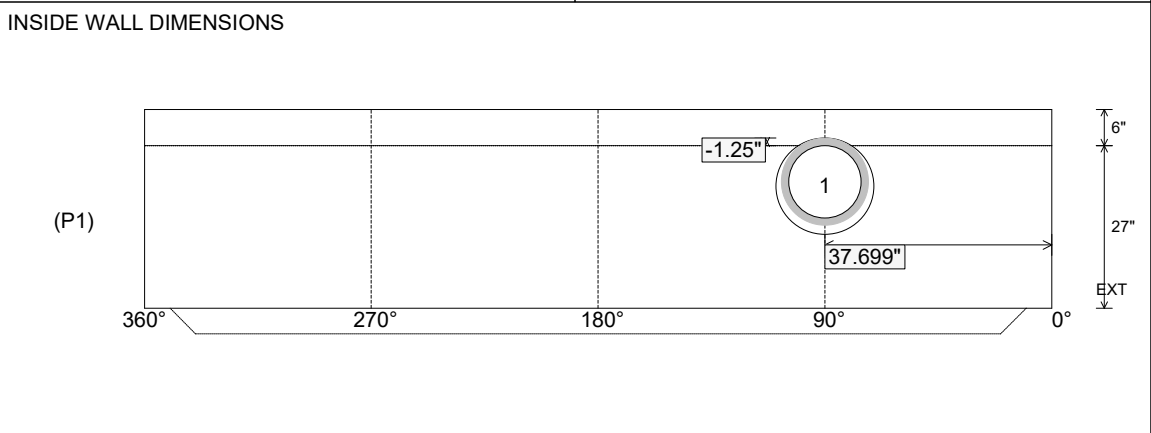
RIGHT-SIDE UP VIEW (int. dimensions)



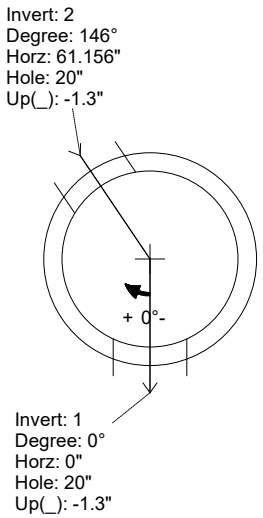
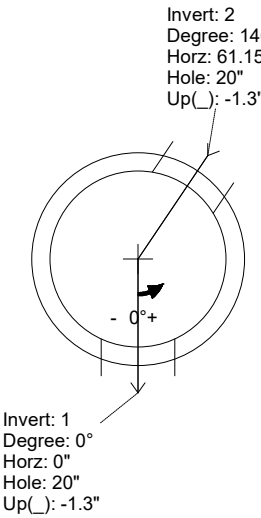
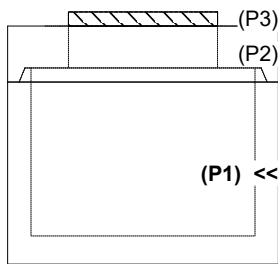
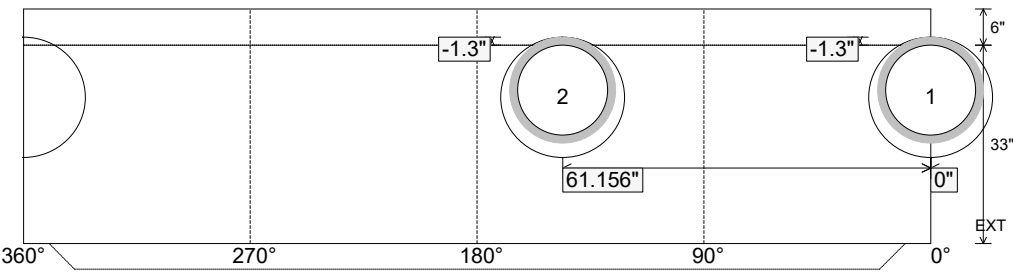
UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS

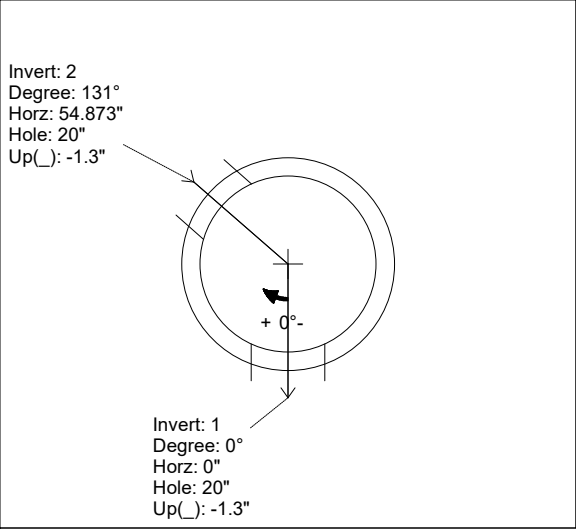


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 27" Height (Ext): 33"	Weight (Net): 3131 lb Volume (Net): 0.8cu.yd
----------------------------------	---------------------------------	--	--	---

Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC				Plant: 100 8/3/2026 11:45:24 AM		Tech: J. Horsley PC: M. Sullivan					
Structure ID: 03 ST-DCB											
P1 MH048BAVF				MH BASE Custom Ht							
P3) 32" x 32" - CASTING HEIGHT - 3" P2) 48" - MH FLAT TOP w/32"x32" Hole - 12" P1) 48" - MH BASE Custom Ht - 33" 1) 48" - Conseal CS-102 1.00" 2) Hole - 20						0 lb 1629 lb 3365 lb 0 lb 0 lb ----- Structure Total: 4994 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 (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 1058.75'				Rim to Invert: 4.05'		Slack: 0.6"		Sump: 0"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1054.7'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.3"	0"	
Invert 2	1054.7'	146°	73.897"	15" HDPE	17.6"	Hole 20	20"	20.629"	-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: Tongue Seam Dn: n/a Wall Thickness: 5" Floor Height: 6" Height (Int): 33" Height (Ext): 39" Weight (Net): 3365 lb Volume (Net): 0.86cu.yd											

Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:24 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: 02 ST-SCB											
P1 MH048BAVF			MH BASE Custom Ht								
P3) 32" x 32" - CASTING HEIGHT - 3" P2) 48" - MH FLAT TOP w/32"x32" Hole - 12" P1) 48" - MH BASE Custom Ht - 29" 1) 48" - Conseal CS-102 1.00" 2) Hole - 20						0 lb 1629 lb 3086 lb 0 lb 0 lb ----- Structure Total: 4715 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 (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 1058.17' Rim to Invert: 3.7' Slack: 0.4" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1054.47'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.3"	0"	
Invert 2	1054.47'	131°	66.305"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.3"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

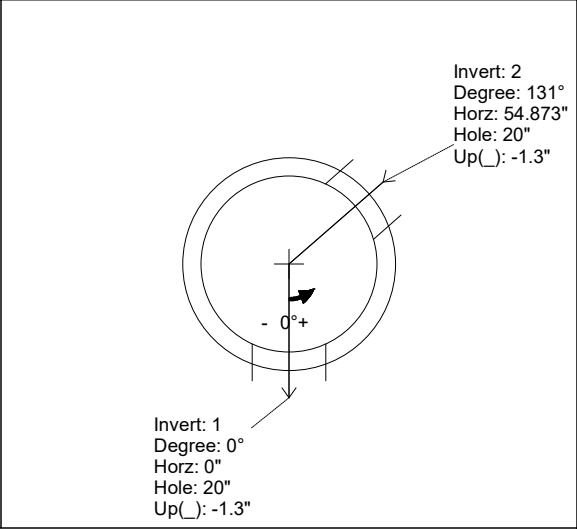
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 131°
Horz: 54.873"
Hole: 20"
Up(): -1.3"

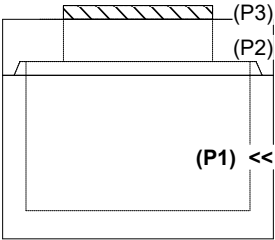
Invert: 1
Degree: 0°
Horz: 0"
Hole: 20"
Up(): -1.3"

UPSIDE-DOWN VIEW (int. dimenions)

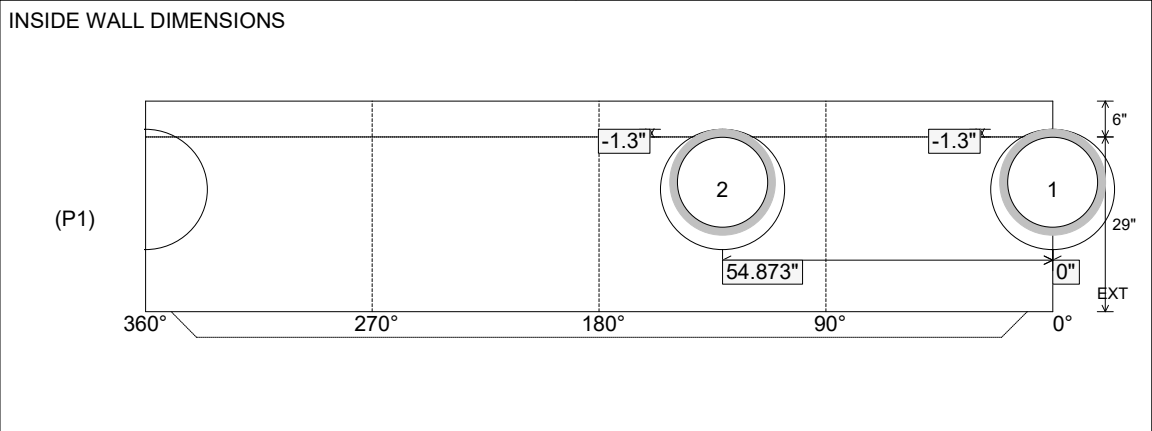


Invert: 2
Degree: 131°
Horz: 54.873"
Hole: 20"
Up(): -1.3"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 20"
Up(): -1.3"



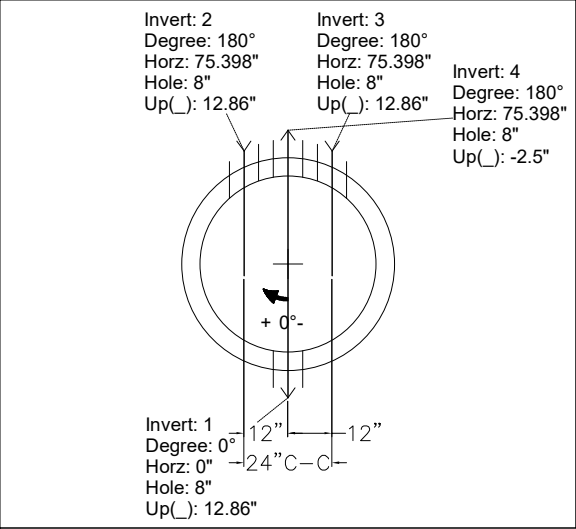
INSIDE WALL DIMENSIONS



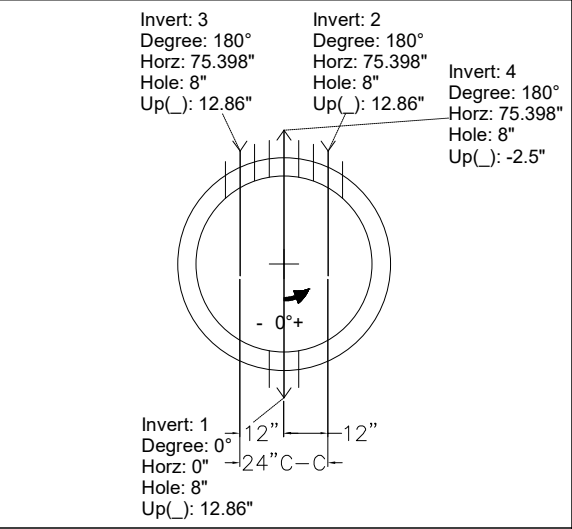
(P1)

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 29" Height (Ext): 35"	Weight (Net): 3086 lb Volume (Net): 0.79cu.yd
----------------------------------	---------------------------------	--	--	--

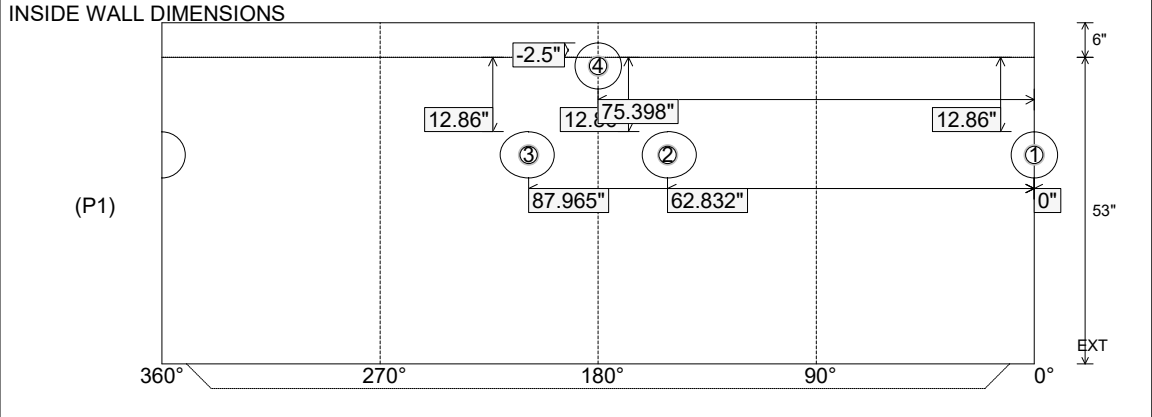
Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:44:03 PM		Tech: Jared - A PC: C. Goff				
Structure ID: Valve Vault											
P1 MH048BAVF		MH BASE Custom Ht									
P3) 30" x 30" - HATCH (CAST FLUSH) - 3" P2) 48" - MH FLAT TOP w/30"x30" Hatch - 12" P1) 48" - MH BASE Custom Ht - 53" 1) 48" - Conseal CS-102 1.00" (Double) 4) PSX - 8QRS-S NYLO					100 lb 1350 lb 4942 lb 0 lb 26 lb Structure Total: 6418 lb		<u>Structure Notes:</u> 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - FLAT LID: #5 BAR @ 6" C.C. E.W. (GRADE 60) - BASE WALLS: PER ASTM A615 - BASE FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) 4. NO STEPS 5. HALLIDAY S1R 30" X 30" HATCH SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID				
Rim: 786.5' Rim to Invert: 5.4' Slack: -0.2" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	782.38'	0°	0"	3" DI	3.5"	PSX 8QRS-S NYLO	8"	8.038"	12.86"	0"	
Invert 2	782.38'	180°	78.734"	3" DI	3.5"	PSX 8QRS-S NYLO	8"	9.357"	12.86"	-12"	
Invert 3	782.38'	180°	103.478"	3" DI	3.5"	PSX 8QRS-S NYLO	8"	9.357"	12.86"	12"	
Invert 4	781.1'	180°	91.106"	3" DI	3.5"	PSX 8QRS-S NYLO	8"	8.038"	-2.5"	0"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

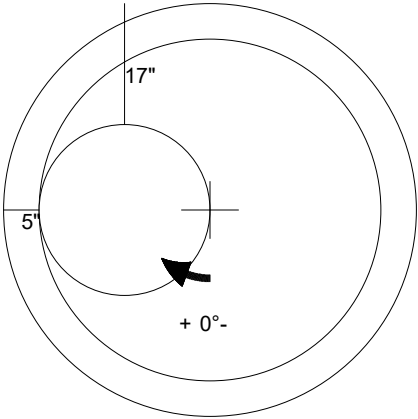
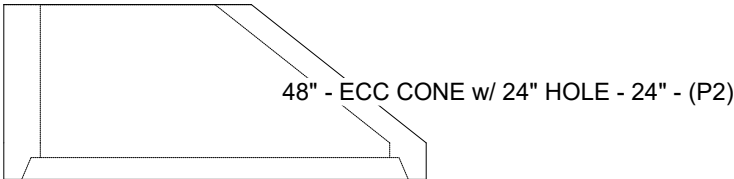
Coating (Int):
Coating (Ext):

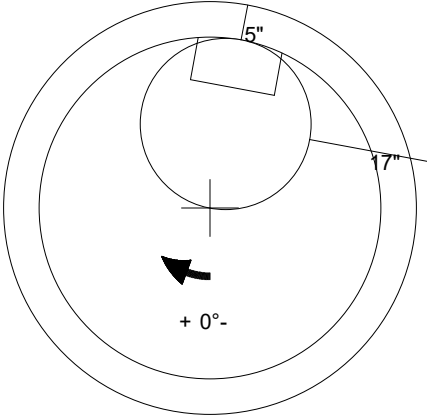
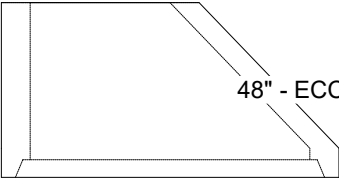
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 53"
Height (Ext): 59"

Weight (Net): 4942 lb
Volume (Net): 1.26cu.yd

Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC		Plant: 100 8/3/2026 11:47:12 AM	Tech: J. Horsley PC: M. Sullivan	
Structure ID: MH 2 SS-MH				
P2 MH048CN24		ECC CONE w/ 24" HOLE		
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING - 4" P2) 48" - ECC CONE w/ 24" HOLE - 24" P1) 48" - MH BASE - 18" 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) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) MH Step ML-10-TDS-NCR - 10"		0 lb 270 lb 1550 lb 2492 lb 1440 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 5768 lb	Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-420 F/C). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 1550 lb Volume (Net): 0.33cu.yd

Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC		Plant: 100 8/3/2026 11:47:11 AM	Tech: J. Horsley PC: M. Sullivan	
Structure ID: MH 1 SS-MH				
P2 MH048CN30		ECC CONE w/ 24" HOLE		
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING - 4" P2) 48" - ECC CONE w/ 24" HOLE - 30" P1) 48" - MH BASE - 24" 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) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10"		0 lb 270 lb 2050 lb 2863 lb 1440 lb 0 lb 0 lb 0 lb 0 lb 24 lb 0 lb ----- 6647 lb Structure Total:	Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-420 F/C). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
 48" - ECC CONE w/ 24" HOLE - 30" - (P2)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 30"	Weight (Net): 2050 lb Volume (Net): 0.41cu.yd

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

Plant: 100

8/3/2026 11:47:14 AM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 03 ST-DCB

P2 MH048LD12S

MH FLAT TOP w/32"x32" Hole

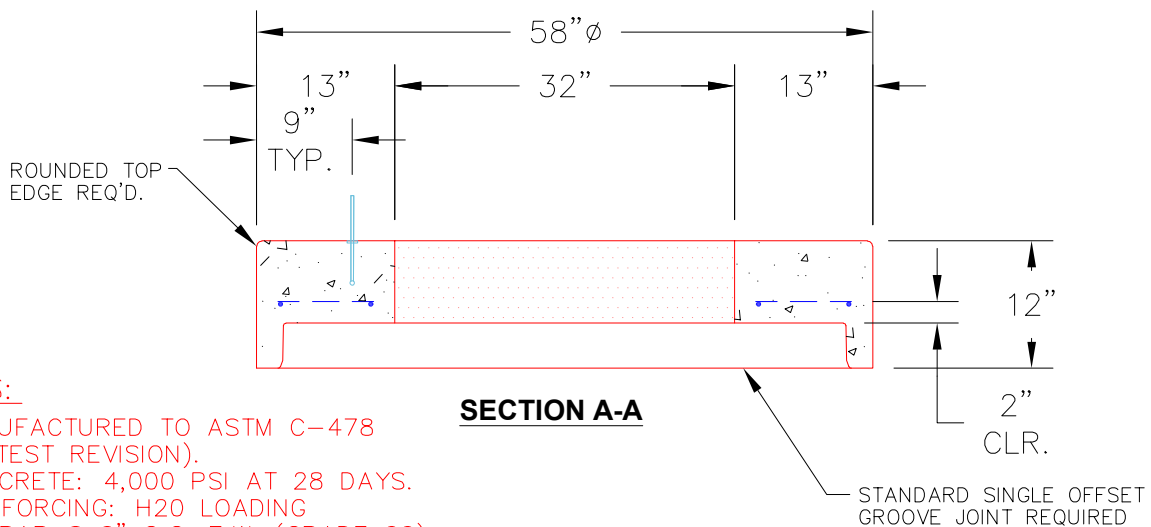
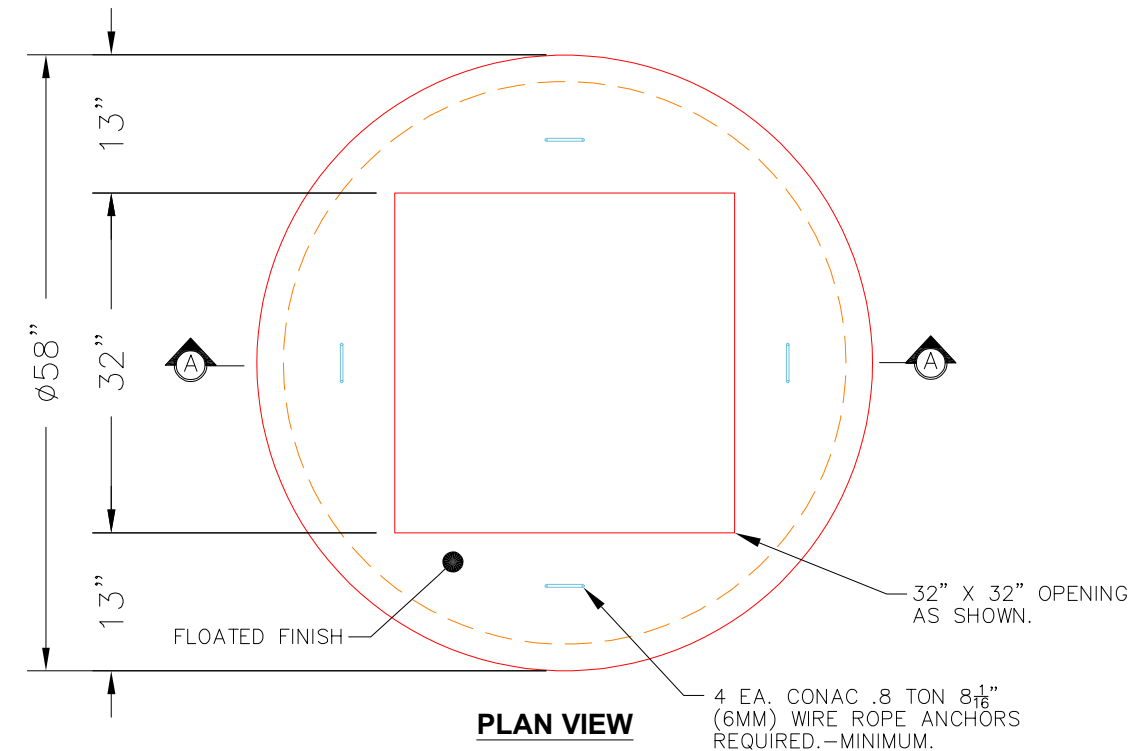
P3) 32" x 32" - CASTING HEIGHT - 3"
P2) 48" - MH FLAT TOP w/32"x32" Hole - 12"
P1) 48" - MH BASE Custom Ht - 33"
1) 48" - Con Seal CS-102 1.00"
2) Hole - 20

0 lb
1629 lb
3365 lb
0 lb
0 lb
Structure Total: 4994 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 (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: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1629 lb
Volume (Net): 0.42cu.yd

Job Name: 26-2889 - 1605 Seminary Street
Job Location: Nashville, TN 37207
Contractor: Hayes Pipe Supply

Plant: 100

7/27/2026 8:29:17 PM

Tech: Jared - F
PC: E. Bradley



Structure ID: One SS-MH

P2 MH048LD12SCDARED

MH FLAT TOP w/32" Hole CC w/ConBlock-CDA Red F/G

- P4) 32" - CASTING HEIGHT - 6"
P3) 32" - GRADE RING w/ConBlock-CDA Red F/F - 4"
P2) 48" - MH FLAT TOP w/32" Hole CC w/ConBlock-CDA Red F/G - 12"
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT
1) ADMIXTURE CONBLOCK CDA RED
1) 48" - Conseal CS-102 1.00" (Double)
1) PSX - 12-08 NYLO
3) MH Step ML-10-TDS-NCR - 10"

Structure Total:

0 lb
337 lb
1351 lb
3797 lb
0 lb
0 lb
1440 lb
0 lb
0 lb
0 lb
8 lb
0 lb

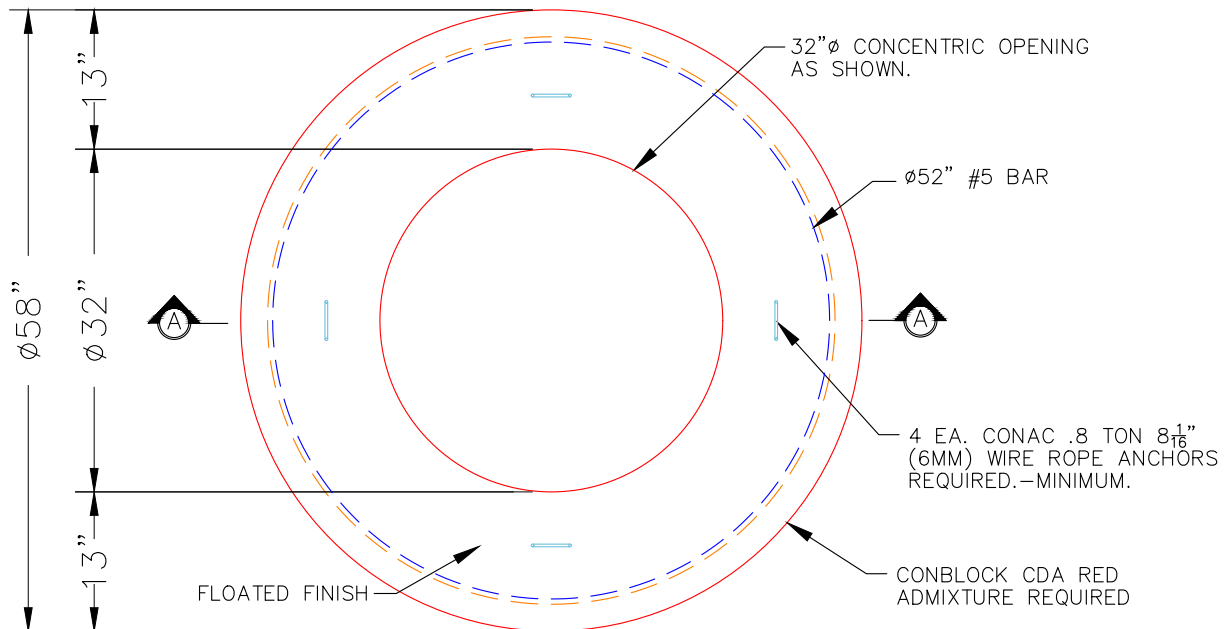
6934 lb

Structure Notes:

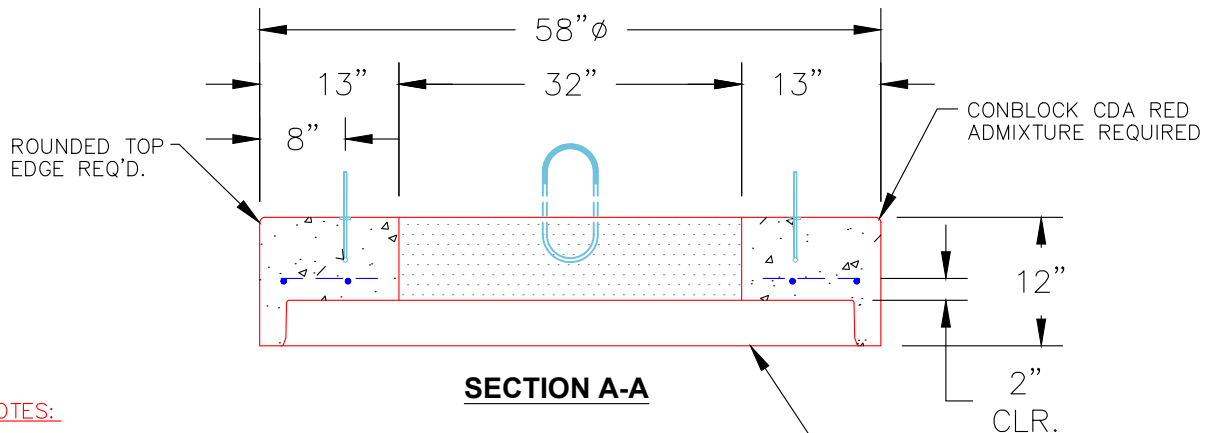
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING SUPPLIED BY OTHERS (NASH LOGO SAN SEWER F&C).

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.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

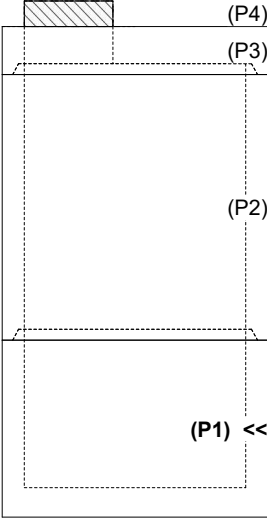
Wall Thickness: 5"

Height (Ext): 12"

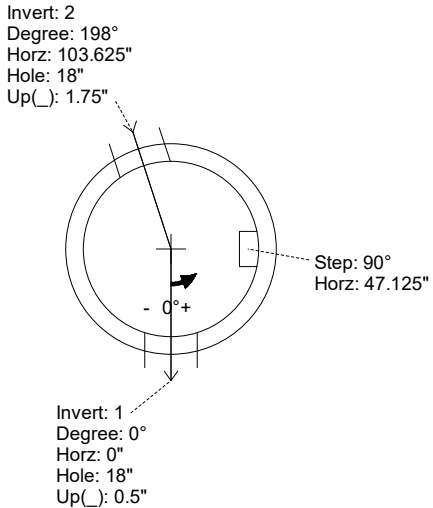
Weight (Net): 1351 lb
Volume (Net): 0.34cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/20/2026 1:22:17 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301574											
P1		MH060BAVF		MH BASE Custom Ht T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER T/G - 72" P1) 60" - MH BASE Custom Ht T/n - 40" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 2) 60" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-18L 9) MH Step ML-10-TDS-NCR - 10"					0 lb 2869 lb 7516 lb 6649 lb 2692 lb 0 lb 12 lb 0 lb ----- 19739 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS				
Rim: 739.51' Rim to Invert: 10.98' Slack: 1.76" Sump: 2" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	728.53'	0°	0"	15" PVC SDR35	15.3"	Kor-N-Seal2 S206-18L	18"	18.282"	0.5"	0"	
Invert 2	728.63'	198°	124.375"	15" PVC SDR35	15.3"	Kor-N-Seal2 S206-18L	18"	18.282"	1.75"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

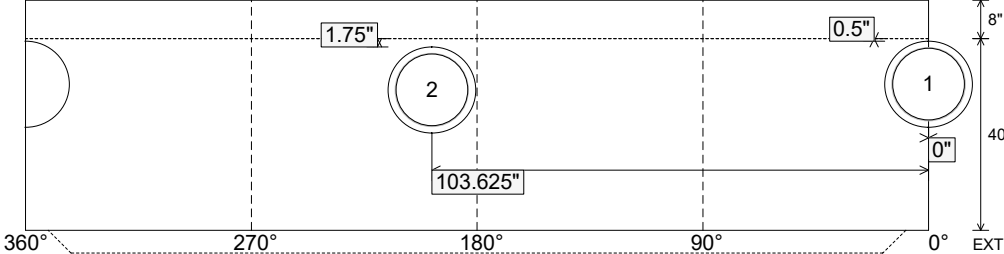
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

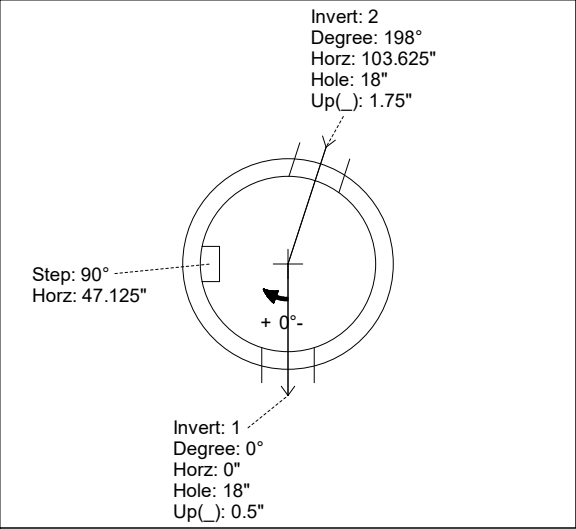


INSIDE WALL DIMENSIONS

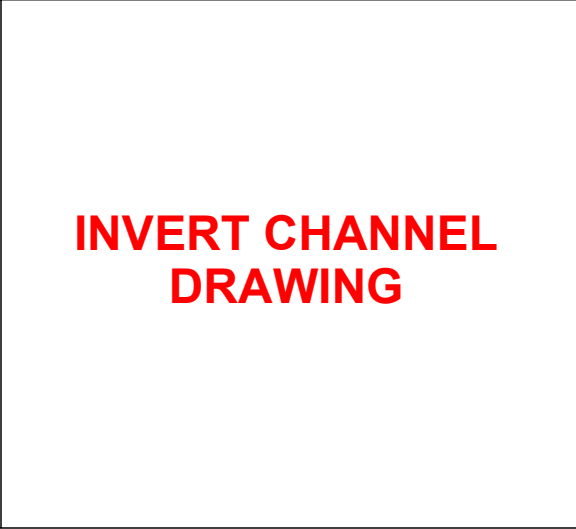


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 40" Height (Ext): 48"	Weight (Net): 6649 lb Volume (Net): 1.7cu.yd
----------------------------------	---------------------------------	--	--	---

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting				Plant: 100 3/20/2026 1:22:17 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301574										
P1 MH060BAVF				MH BASE Custom Ht T/n						
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER T/G - 72" P1) 60" - MH BASE Custom Ht T/n - 40" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 2) 60" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-18L 9) MH Step ML-10-TDS-NCR - 10"				0 lb 2869 lb 7516 lb 6649 lb 2692 lb 0 lb 12 lb 0 lb ----- 19739 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS				
Rim: 739.51' Rim to Invert: 10.98' Slack: 1.76" Sump: 2" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	728.53'	0°	0"	15" PVC SDR35	15.3"	Kor-N-Seal2 S206-18L	18"	18.282"	0.5"	0"
Invert 2	728.63'	198°	124.375"	15" PVC SDR35	15.3"	Kor-N-Seal2 S206-18L	18"	18.282"	1.75"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

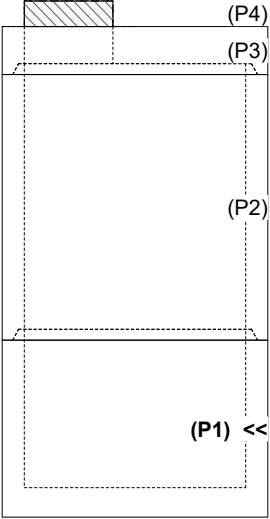
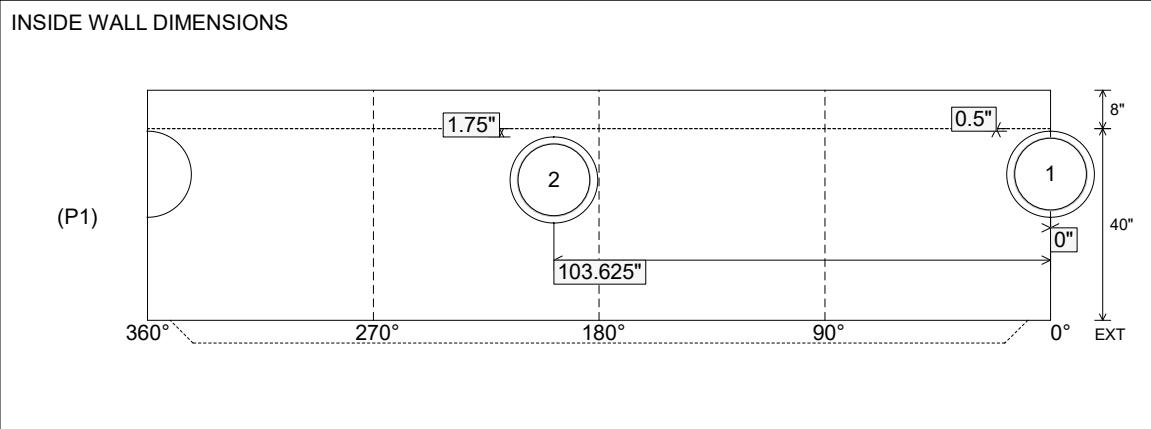


Diagram showing the vertical assembly of manhole components P1, P2, P3, and P4.

INVERT CHANNEL DRAWING



INVERT CHANNEL DRAWING

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 40" Height (Ext): 48"	Weight (Net): 6649 lb Volume (Net): 1.7cu.yd
----------------------------------	---------------------------------	--	--	---

Job Name: 25-3241P2 - Buck Hills Subdivision
Job Location: Lawrenceburg, KY 40342
Contractor: Edmonson Plumbing & Heating Supply

Plant: 100

7/24/2026 12:44:46 PM

Tech: Jared - A

PC: C. Goff



Structure ID: CB 4

P2 MH060LD08-24X36RECT

MH FLAT TOP w/24"x36" Hole

P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 60" - MH FLAT TOP w/24"x36" Hole - 8"
P1) 60" - MH BASE Custom Ht - 41"
1) CASTING - HOE 525 LV SET (F/G/H)
1) 60" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 38

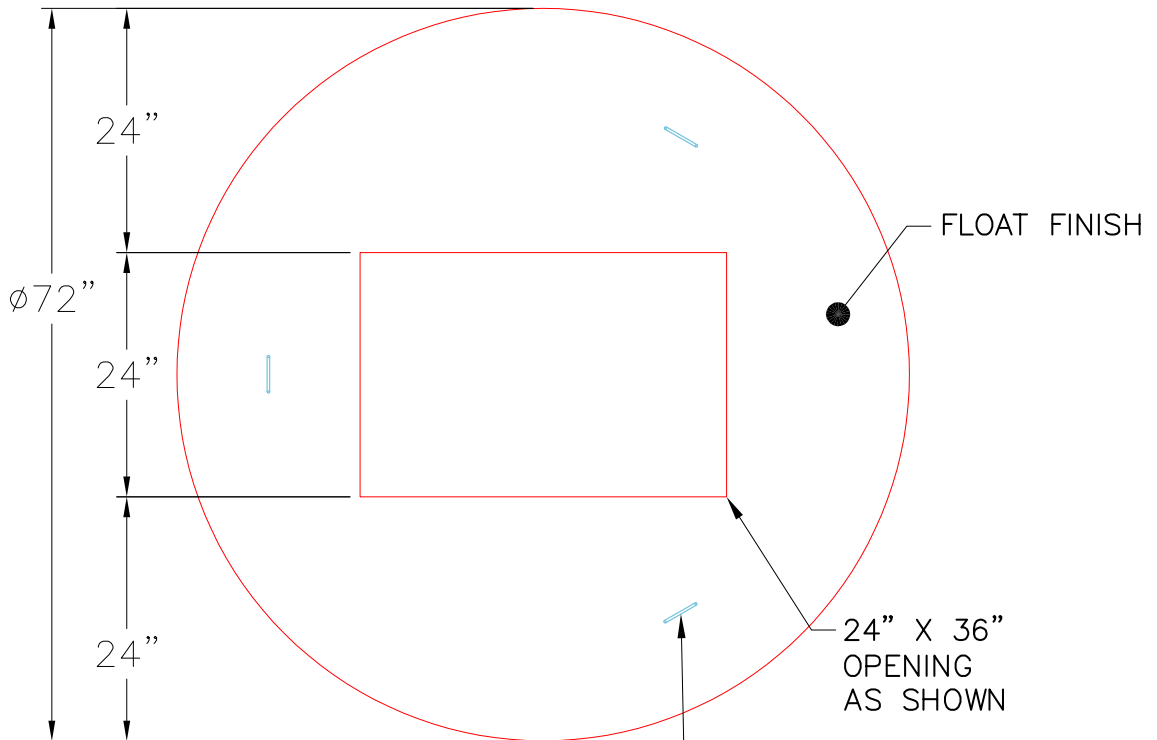
0 lb
2153 lb
5793 lb
442 lb
0 lb
0 lb
0 lb
0 lb

Structure Total:

8389 lb

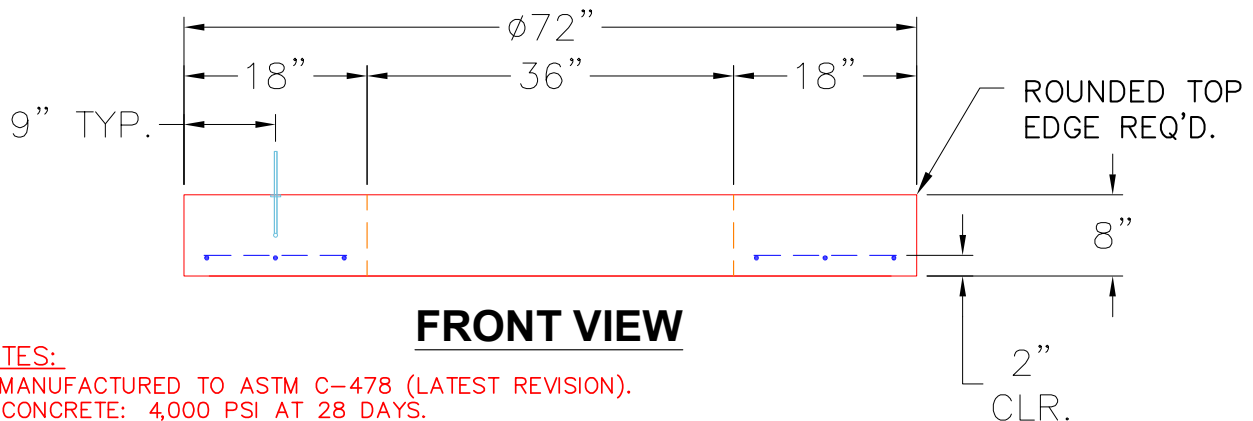
Structure Notes:

1. HOE 525 LV SET (F/G/H) PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.



TOP VIEW

3 EA. CONAC .8 TON 8 $\frac{1}{16}$ " (6MM) WIRE ROPE ANCHORS REQUIRED.—MINIMUM.



FRONT VIEW

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2153 lb
Volume (Net): 0.55cu.yd

Weight (Net): 2305 lb
Volume (Net): 0.59cu.yd

Job Number:

26-1394

Job Name:

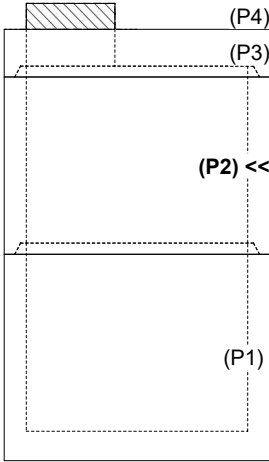
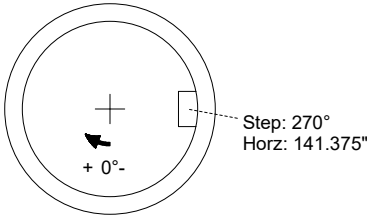
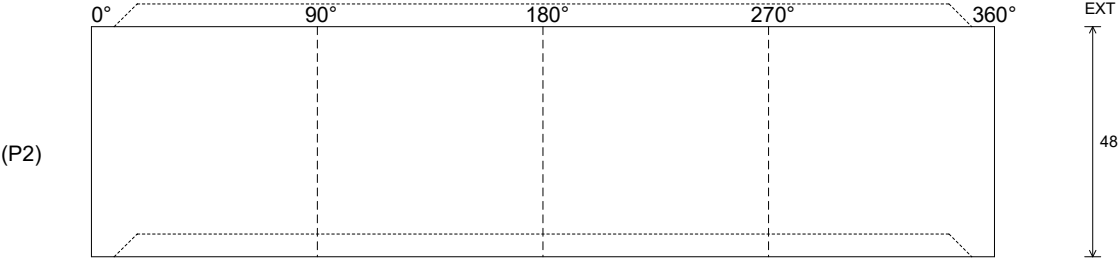
TMMI Ryder Lift Station

Structure:

5 MV (1)

Note:

USF Fabrication 37" x 36" Hatch
Supplied By Others To Be Cast Into
Flat Lid

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/26/2026 2:15:56 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301575											
P2 MH060RS48			MH RISER T/G								
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER T/G - 48" P1) 60" - MH BASE T/n - 48" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 2) 60" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-18L 1) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 2869 lb 5011 lb 7427 lb 2692 lb 0 lb 12 lb 8 lb 0 lb ----- 18019 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 270 DEGREES 5. 7" CASTING SUPPLIED BY OTHERS				
Rim: 738.89' Rim to Invert: 9.74' Slack: 2.88" Sump: 2" Step Position: 270°											
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): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 6" Floor Height: 0"		Height (Int): 48" Height (Ext): 48"		Weight (Net): 5011 lb Volume (Net): 1.28cu.yd	

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
Job Location: Fort Mitchell, KY 41017
Contractor: Lykins Contracting

Plant: 100

3/27/2026 11:40:21 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301553

P2 MH060TS15-48ECC

MH Transition Slab 48" Hole T/G

P5) 24" - CASTING HEIGHT - 7"
P4) 48" - CON CONE w/24" HOLE F/G - 24"
P3) 48" - MH RISER T/G - 48"
P2) 60" - MH Transition Slab 48" Hole T/G - 15"
P1) 60" - MH BASE Custom Ht T/n - 57"
1) 60" - MH INVERT CHANNEL - FULL HEIGHT
1) 60" - Conseal CS-102 1.00" (Double)
2) 48" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1235
11) MH Step ML-10-TDS-NCR - 10"

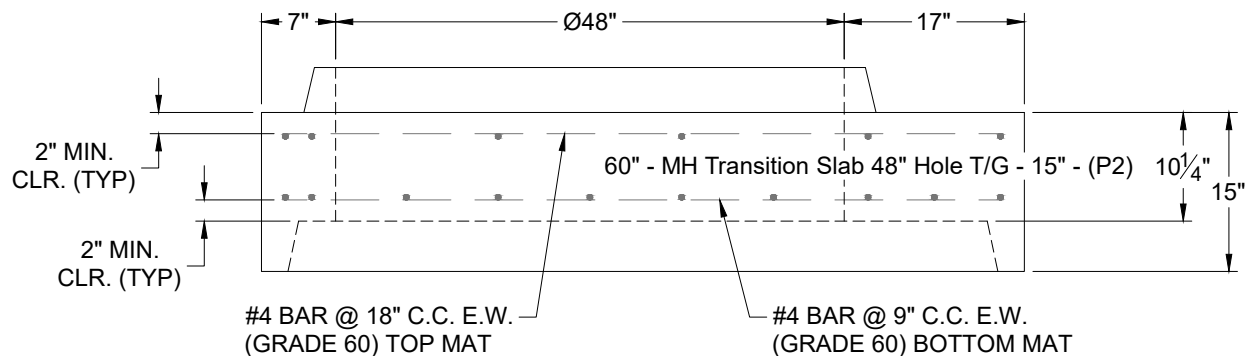
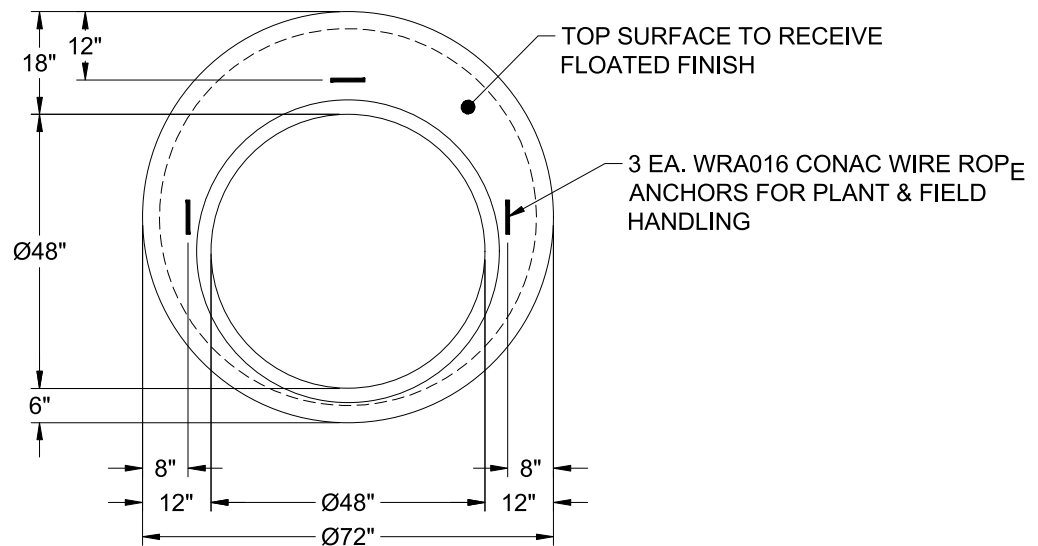
Structure Total:

0 lb
2252 lb
3353 lb
2204 lb
7329 lb
2692 lb
0 lb
0 lb
2 lb
0 lb

17832 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):
 - TOP MAT: #4 BAR @ 18" C.C. E.W. (GRADE 60)
 - BOTTOM MAT: #4 BAR @ 9" C.C. E.W. (GRADE 60)
4. 7" CASTING SUPPLIED BY OTHERS
5. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 15"

Weight (Net): 2204 lb
Volume (Net): 0.56cu.yd

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

Plant: Beaver Dam

7/23/2026 12:30:23 PM

Tech: S. Felletter

PC: T. Ryan



Structure ID: WQU3

P5 MH072LD15-24CC

MH FLAT LID w/24" CC Hole F/G

P6) 24" - CASTING HEIGHT - 7"
P5) 72" - MH FLAT LID w/24" CC Hole F/G - 15"
P4) 72" - MH RISER Custom Ht T/G - 25"
P3) 72" - MH RISER T/G - 84"
P2) 72" - MH RISER SPECIAL T/G - 84"
P1) 72" - MH BASE Custom Ht T/n - 20"

- 1) ASSEMBLY REQUIRED
- 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) 72" - Conseal CS-102 1.00"
- 1) 24" - Conseal CS-102 1.00"
- 2) Hole - 26

0 lb
5097 lb
3645 lb
12246 lb
11610 lb
6815 lb
0 lb
0 lb
0 lb
271 lb
0 lb
0 lb
0 lb

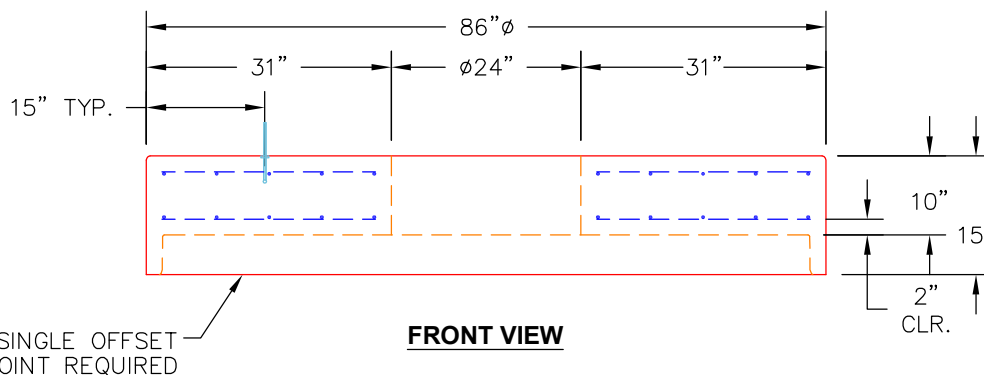
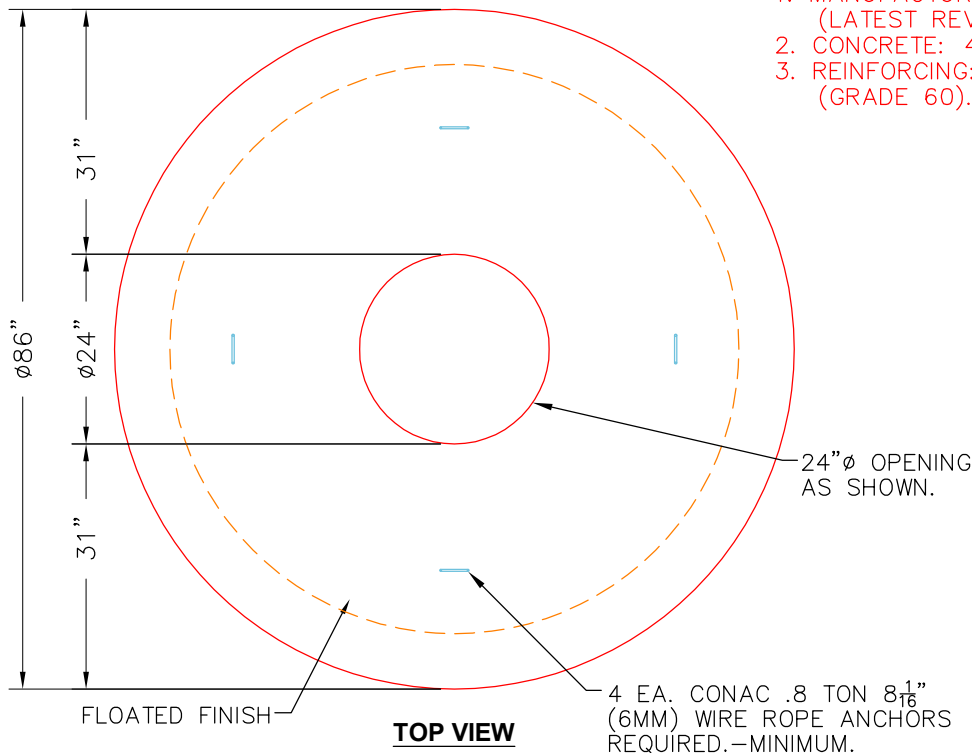
Structure Notes:

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.
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Structure Total: 39683 lb

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

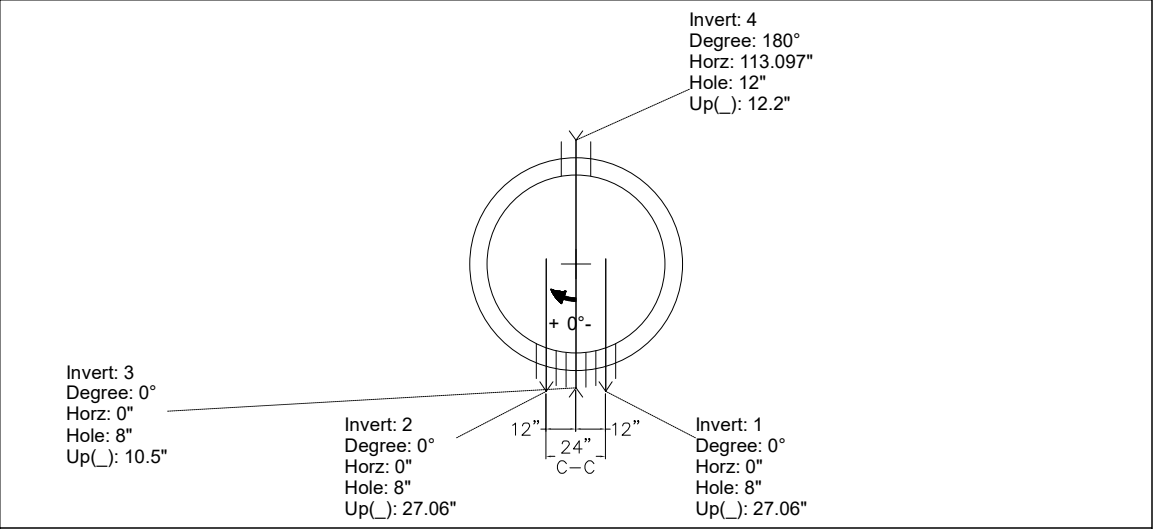
Wall Thickness: 7"

Height (Ext): 15"

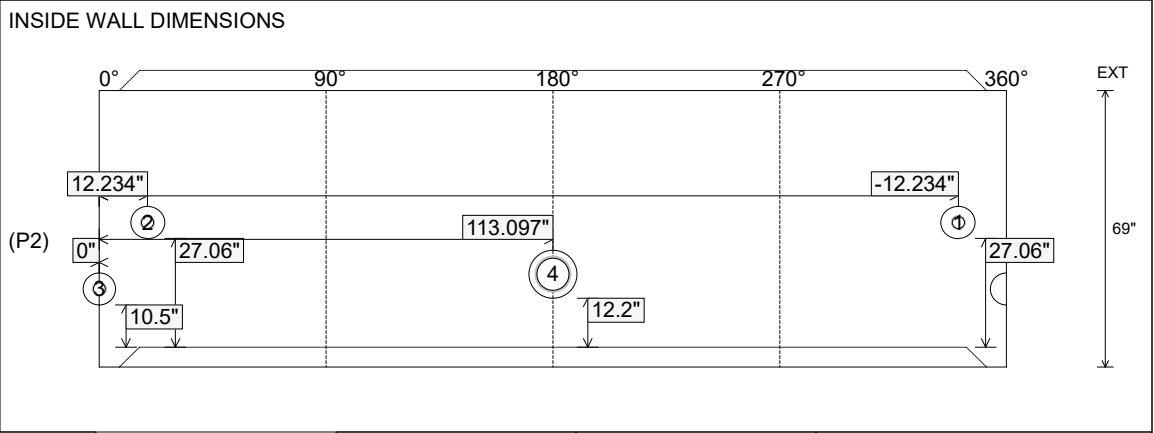
Weight (Net): 5097 lb
Volume (Net): 1.3cu.yd

Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:45:30 PM		Tech: Jared - A PC: C. Goff				
Structure ID: Wet Well											
P2		MH072RSVF									
MH RISER Custom Ht											
P4) 30" x 48" - HATCH (CAST FLUSH) - 3" P3) 72" - MH FLAT TOP w/30"x48" Hatch - 15" P2) 72" - MH RISER Custom Ht - 69" P1) 72" - MH BASE EF Cust. Ht. 08"F (8"EF =102"OD) - 24" 1) HATCH (Alum.) - HALLIDAY S1R 30"x48" 1) This Structure Includes a Cast-in Item - Halliday S1R 30" x 48" Hatch (Supplied by iCast) 2) JOINT WRAP - 12" WD x 072" MAC WRAP 1) SECONDARY POUR - Extended Flange 2) 72" - Conseal CS-231 1.00" (Double) 3) PSX - 8QRS-S NYLO 1) PSX - 12M NYLO						100 lb 4186 lb 9900 lb 8984 lb 71 lb 0 lb 0 lb 0 lb 0 lb 20 lb 8 lb ----- Structure Total: 23269 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: - FLAT LID TOP MAT: #4 BAR @ 18" C.C. E.W. (GRADE 60) - FLAT LID BOTTOM MAT: #4 BAR @ 9" C.C. E.W. (GRADE 60) - BASE WALLS & RISER: PER ASTM A615 - BASE FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60) 4. NO STEPS 5. HALLIDAY S1R 30" X 48" HATCH SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID			
Rim: 786.5'		Rim to Invert: 5.5'		Slack: 0"		Sump: 42"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	782.38'	0°	-12.161"	3" DI	3.5"	PSX 8QRS-S NYLO	8"	8.513"	27.06"	-12"	
Invert 2	782.38'	0°	12.161"	3" DI	3.5"	PSX 8QRS-S NYLO	8"	8.513"	27.06"	12"	
Invert 3	781'	0°	0"	3" DI	3.5"	PSX 8QRS-S NYLO	8"	8.017"	10.5"	0"	
Invert 4	781.1'	180°	135.088"	8" DI	9"	PSX 12M NYLO	12"	12.056"	12.2"	0"	
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: 7" Floor Height: 0"	Height (Int): 69" Height (Ext): 69"	Weight (Net): 9900 lb Volume (Net): 2.53cu.yd
----------------------------------	------------------------------------	--	--	--

Job Name: 26-1394 - TMMI Ryder Lift Station
Job Location: Princeton, IN
Contractor: Koberstein Contracting, Inc.

Plant: 100

7/16/2026 2:28:58 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: 3

P5 MH096LD17SP

MH FLAT TOP w/40"x66" Hatch F/G

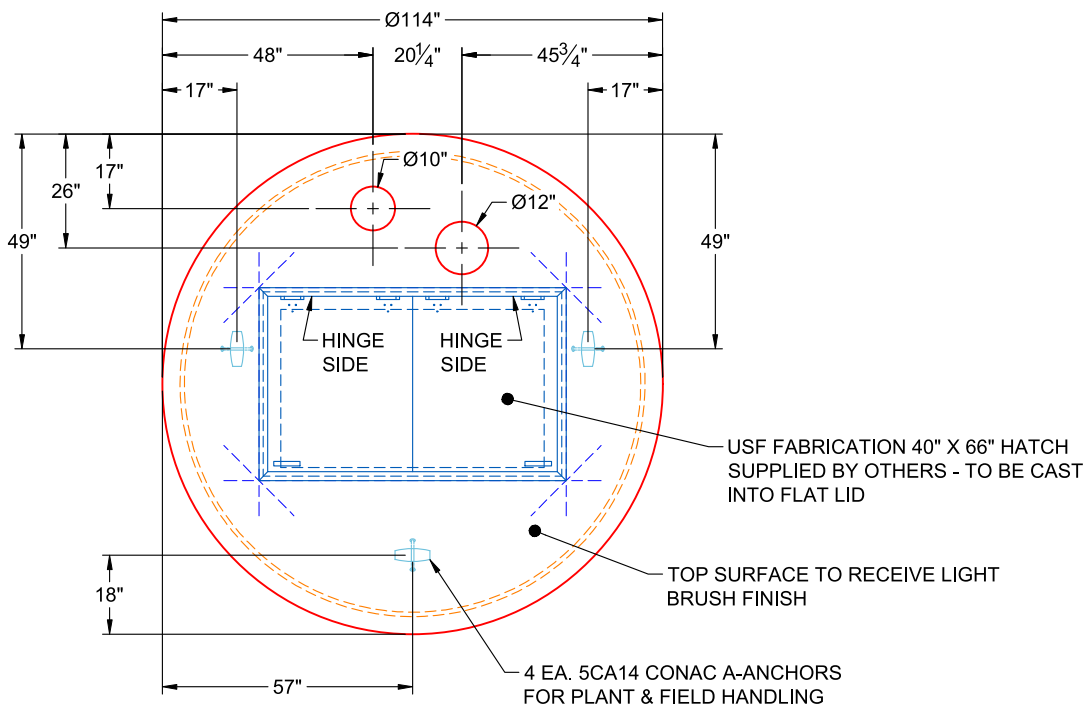
- P6) 40" x 66" - HATCH (CAST FLUSH) - 3"
P5) 96" - MH FLAT TOP w/40"x66" Hatch F/G - 17"
P4) 96" - MH RISER T/G - 24"
P3) 96" - MH RISER T/G - 96"
P2) 96" - MH RISER T/G - 96"
P1) 96" - MH SEPARATE BASE-T EXT. 14" (142" OD) T/n - 12"
4) JOINT WRAP - 12" WD x 096" MAC WRAP
1) This Structure Includes a Cast-in Item - 40" x 66" Hatch (Supplied by Others)
4) 96" - Conseal CS-231 1.00" (Double)
3) PSX - 8QRS-S NYLO
1) PSX - 16M NYLO
1) PSX - 12-06 NYLO

Structure Total:

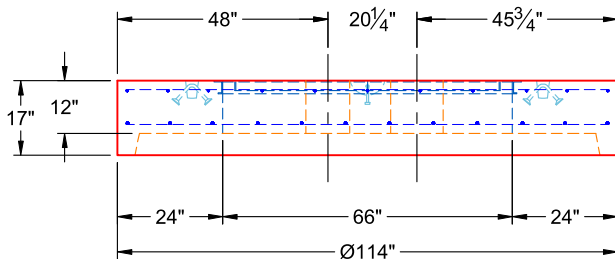
0 lb
8422 lb
5979 lb
23561 lb
23915 lb
19580 lb
0 lb
0 lb
0 lb
20 lb
8 lb
8 lb
81492 lb

Structure Notes:

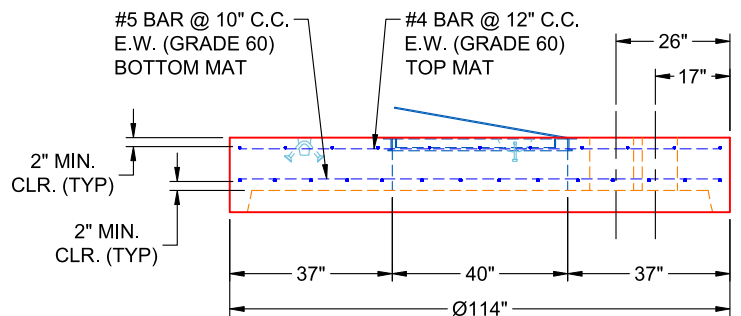
- PER ASTM C-478 SPECIFICATIONS
- CONCRETE: 4,500 PSI AT 28 DAYS
- REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):
 - TOP MAT: #4 BAR @ 12" C.C. E.W. (GRADE 60)
 - BOTTOM MAT: #5 BAR @ 10" C.C. E.W. (GRADE 60)
- USF FABRICATION 40" X 66" (36" X 60" CLEAR OPENING) HATCH SUPPLIED BY OTHERS - TO BE CAST INTO FLAT LID
- LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
- TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH



**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**



**SIDE VIEW
(RIGHT SIDE UP)**

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 9"

Height (Ext): 17"

Weight (Net): 8422 lb
Volume (Net): 2.15cu.yd

Job Number:

26-1394

Job Name:

TMMI Ryder Lift Station

Structure:

3

Note:

USF Fabrication 40" x 66" Hatch
Supplied By Others To Be Cast Into
Flat Lid

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

Plant: 100
7/6/2026 1:23:15 PM

Tech: Jared - A
PC: E. Bradley

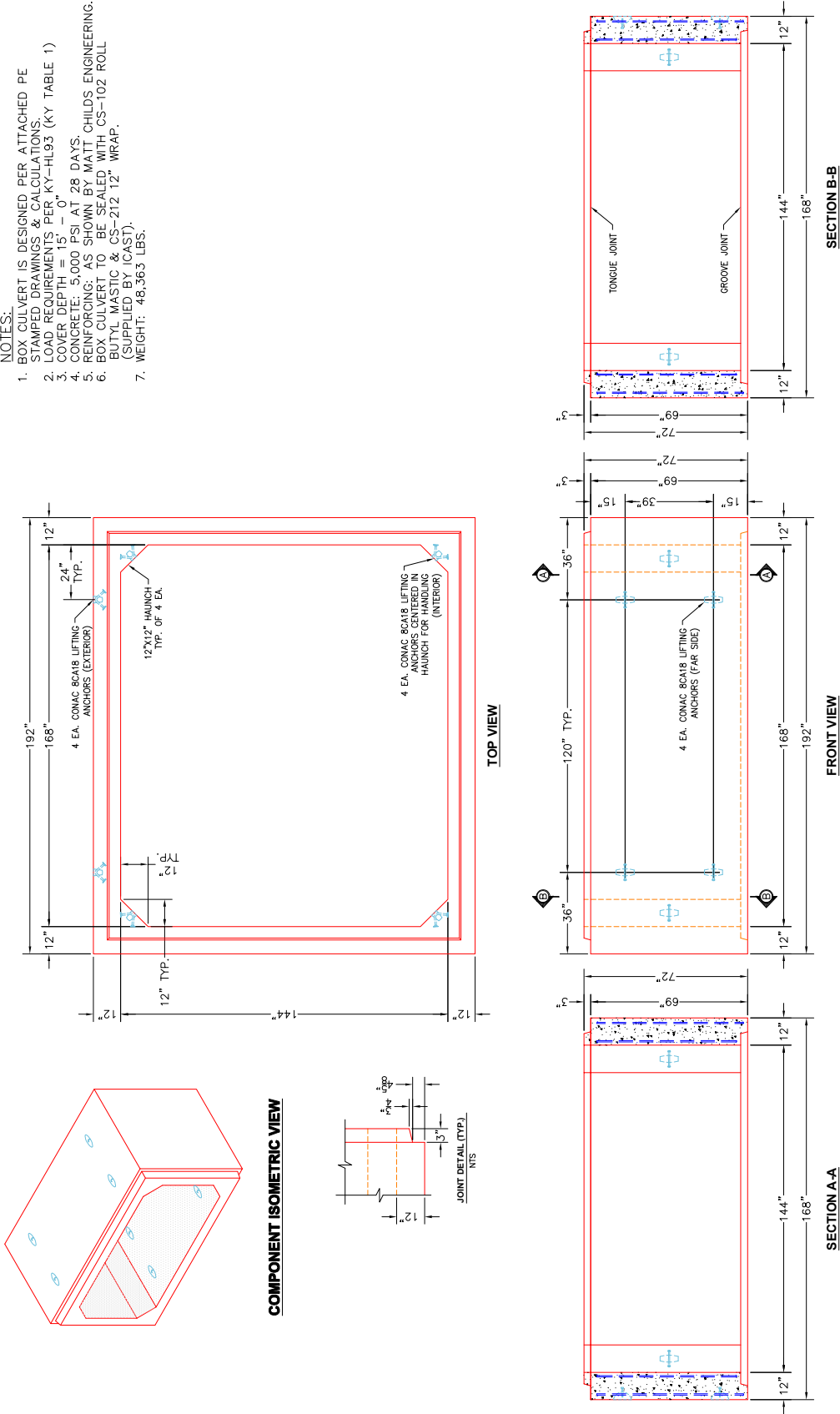


Structure ID: Box Culvert

P10 BC168144-12W12T12F-12H

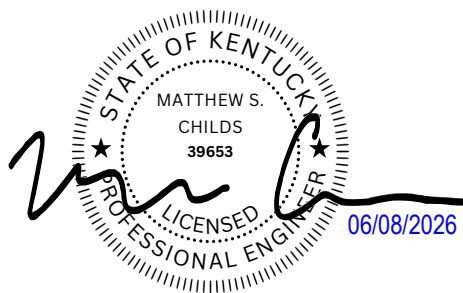
BOX CULVERT (12W/12F/12T) T/G

- 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

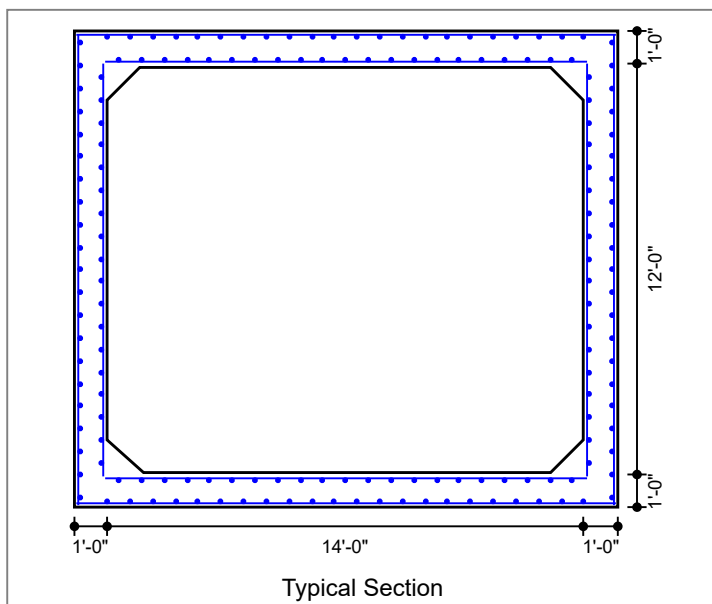
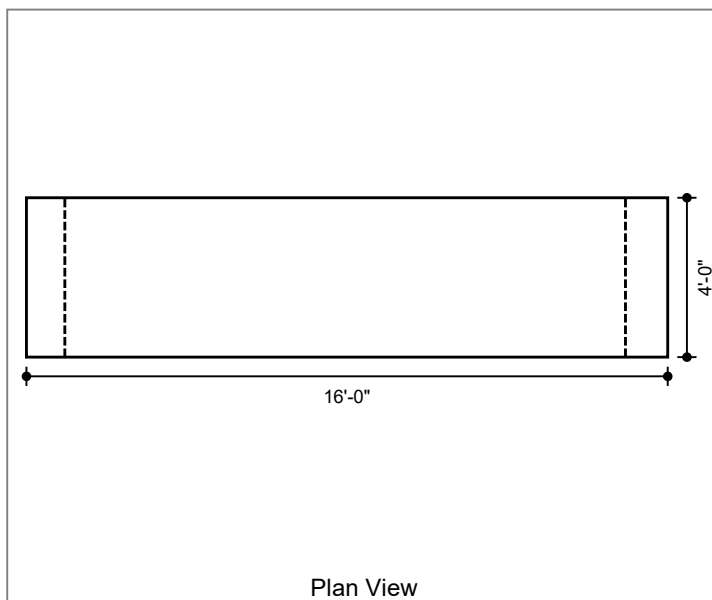
Loads

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

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 4:35:09 PM

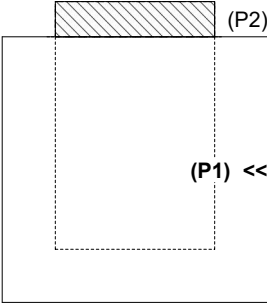
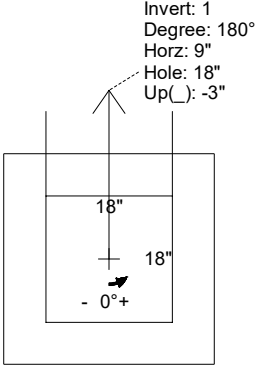
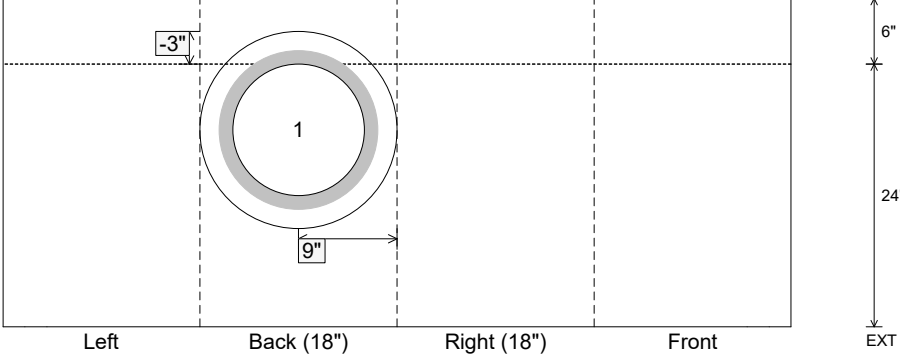
p. 2 of 2

Concrete Summary

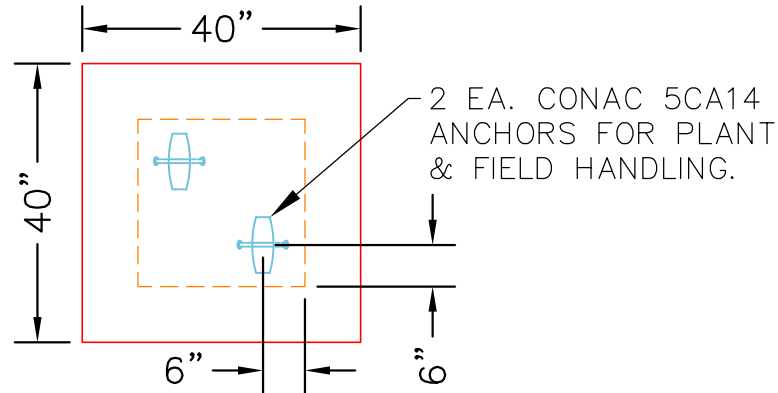
Volume of Concrete: 2.148 cy/ft Total Volume of Concrete: 8.593 cy

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

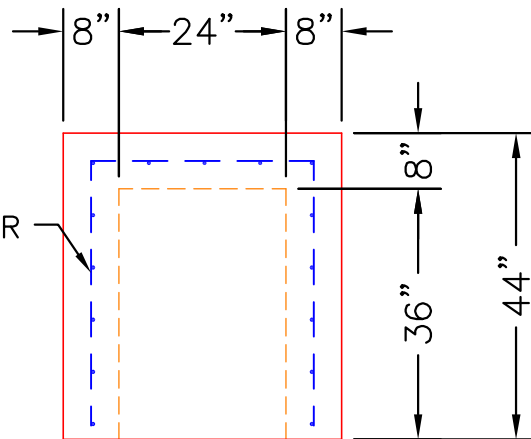
Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/17/2026 5:40:55 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 138											
P1 BX1818-06BA24			BOX BASE 6inW, 6inF F/n								
P2) 18" x 18" - CASTING HEIGHT - 4" P1) 18" x 18" - BOX BASE 6inW, 6inF F/n - 24" 1) 18" x 18" - Conseal CS-102 1.00" 1) Hole - 18						0 lb 1517 lb 0 lb 0 lb ----- 1517 lb Structure Total:		Structure Notes: 1. PER MSD YARD DRAIN / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS			
Rim: 566.9' Rim to Invert: 2.5' Slack: 2" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	564.4'	180°	15"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"	
Invert 2											
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: 6" Floor Height: 6"		Height (Int): 24" Height (Ext): 30"		Weight (Net): 1517 lb Volume (Net): 0.39cu.yd		

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR.

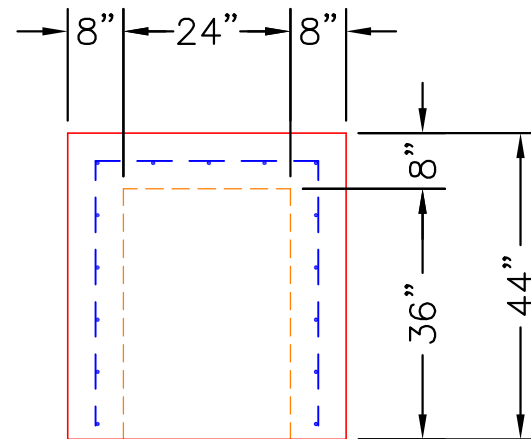


PLAN VIEW

REINFORCEMENT PER
ATTACHED DESIGN
BY WINFORD A.
PETRONE, PE.



FRONT VIEW



SIDE VIEW

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.

PRODUCTION WORK ORDER

PRODUCT I.D.: BX2424-08BA36

DESCRIPTION: 24" X 24" X 36" TALL SUMP PIT



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: UPSIDE DOWN

PLANT: BEAVER DAM, KY.

WEIGHT: 3,093 LBS.

TOP JOINT: FLAT

BOTTOM JOINT: N/A

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

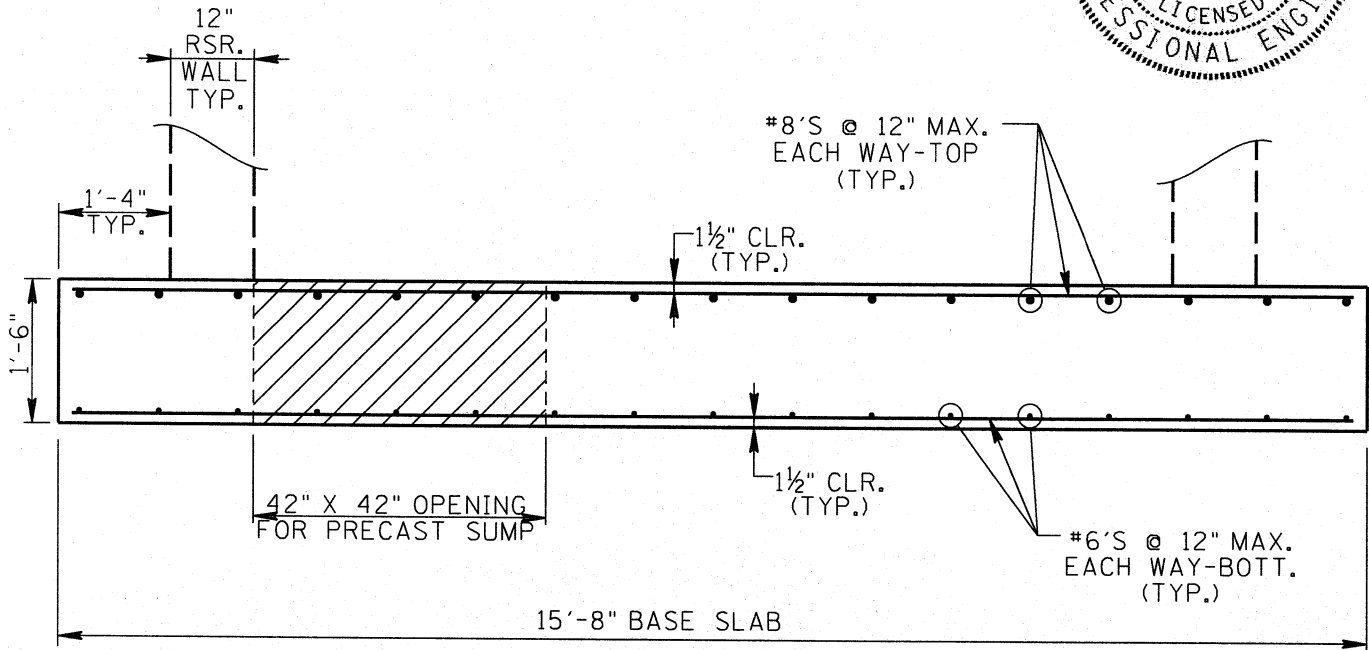
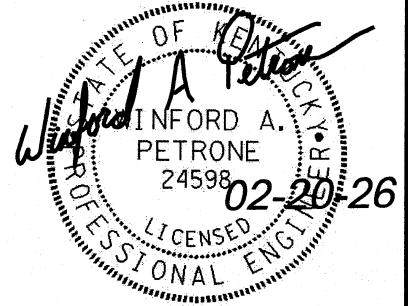
DATE: 07/30/26

SCALE: NTS

PG. 1 of 1

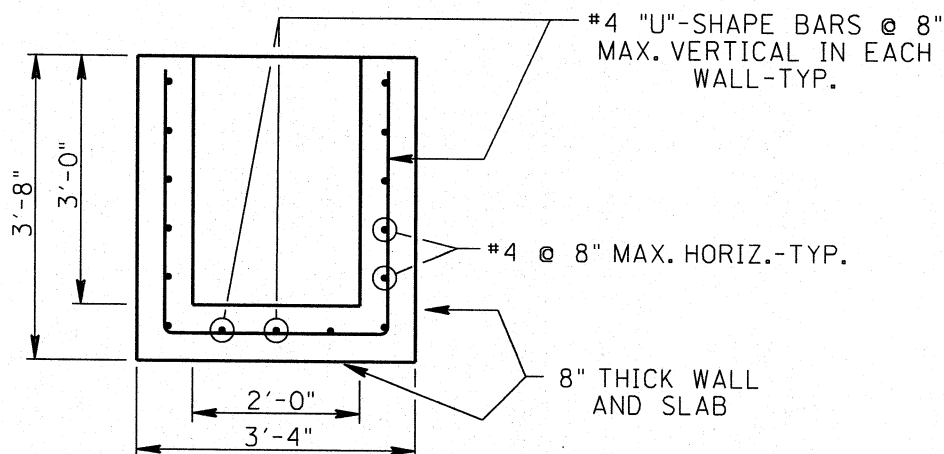
NOTE: SEE "PRECAST DESIGN SUBMITTALS, CONCRETE COMPONENTS" SHEET FOR SUMMARY OF BUILDING AND DESIGN CODES, MATERIALS REQUIREMENTS, AND DESIGN LOADS.

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



TYPICAL BASE SLAB SECTION SHOWING REINFORCEMENT

NOTE: STOP SCHEDULED REINFORCEMENT 2" CLEAR OF SUMP OPENING AND PROVIDE ADDITIONAL 2-#8X8'-0" @ 3" CC AT TOP OF SLAB, AND 2-#6X6'-0" @ 3" CC AT BOTTOM OF SLAB ADJACENT TO SUMP OPENING.



SECTION @ PRECAST SUMP SHOWING REINFORCEMENT

SK-10

VAULT 3, PRECAST BASE SLAB AND SUMP
UK BP9 SITE THERMAL AND ELECTRIC

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

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

6/5/2026 9:03:54 AM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 528

P1 BX24300808VF

BOX BASE 8inW, 8inF, Variable Ht 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, Variable Ht F/n - 44"

1) CASTING - HOE KY-230-G F/G (GRADE)

1) 24" x 30" - Conseal CS-102 1.00"

1) 15" x 27" - Conseal CS-102 1.00"

1) Hole - 24

2) Hole - 4

0 lb

963 lb

5126 lb

237 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 6326 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI 13G / 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-230G FRAME & GRATE SUPPLIED BY ICAST - POURED IN PLACE BY OTHERS

Rim: 836.05'

Rim to Invert: 5'

Slack: 0"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	831.05'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	834.05'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	36"	0"
Invert 3	834.05'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	36"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INVERT 1

Degree: 180°

Horz: 12"

Hole: 24"

Up(): -3"

INVERT 2

Degree: 90°

Horz: 15"

Hole: 4"

Up(): 36"

INVERT 3

Degree: 270°

Horz: 15"

Hole: 4"

Up(): 36"

INSIDE WALL DIMENSIONS

1

36"

15"

36"

15"

Left

Back (24")

Right (30")

Front

8"

44"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 44"

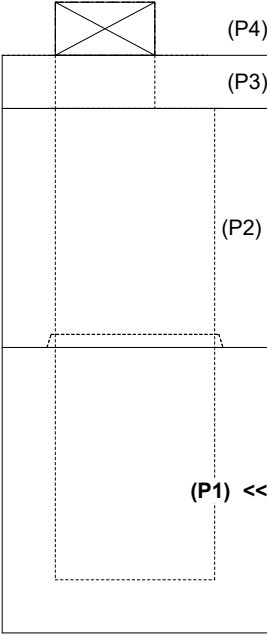
Height (Ext): 52"

Weight (Net): 5126 lb

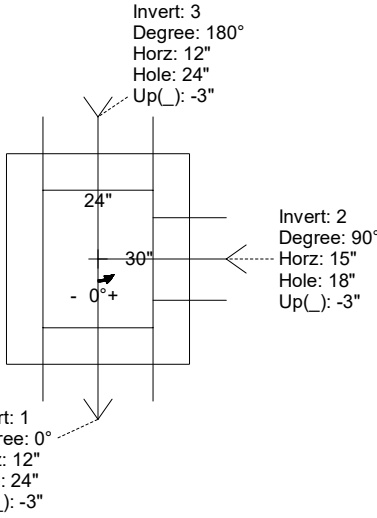
Volume (Net): 1.31cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/12/2026 3:10:01 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 64											
P1 BX24300808VF BOX BASE 8inW, 8inF, Variable Ht T/n											
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 - 36" 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 3366 lb 3898 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 0 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: #5 BAR @ 12" 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				
Structure Total: 8228 lb											
Rim: 552.28' Rim to Invert: 7.25' Slack: 0" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	545.03'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"	
Invert 2	545.03'	90°	23"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"	
Invert 3	545.03'	180°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

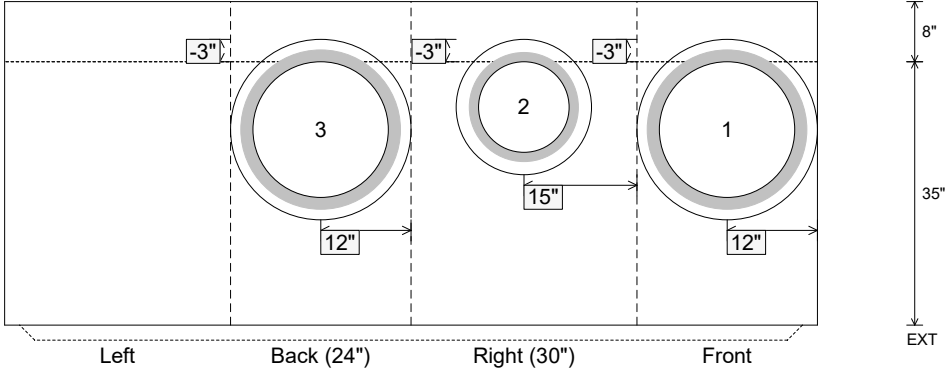
RIGHT-SIDE UP VIEW (int. dimensions)



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): 35" Height (Ext): 43"	Weight (Net): 3898 lb Volume (Net): 1cu.yd
----------------------------------	---------------------------------	--	--	---

Job Name: 25-1684P13 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.

Tech: N. Richards

7/21/2026 12:34:13 PM

PC: J. Jarvis



Structure ID: 72+48 CBBI-MOD B1

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 24" x 120" - CASTING (cast in) - 3"
P2) 24" x 120" - CB MED BAR BOX INLET 9B1 LH - 17"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 29"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 20

Structure Notes: .
-KYTC STATE PROJECT 251007
-REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
-CASTING FRAMES & GRATES BY OTHERS.
-CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
-KYTC CERTIFICATIONS REQUIRED.

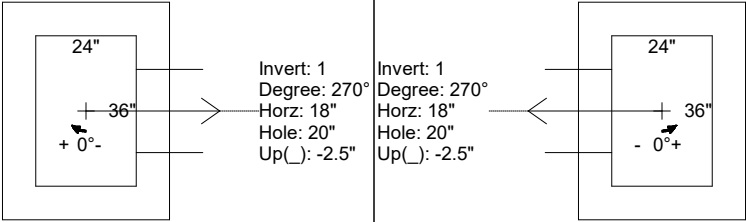
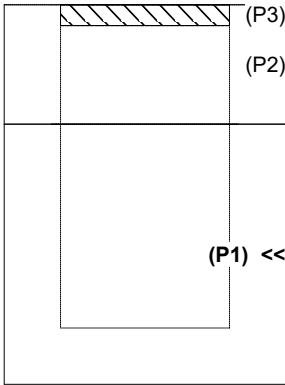
Structure Total: 8144 lb

Rim: 553.51' Rim to Invert: 3.9' Slack: 0.8" Sump: 0" Step Position:

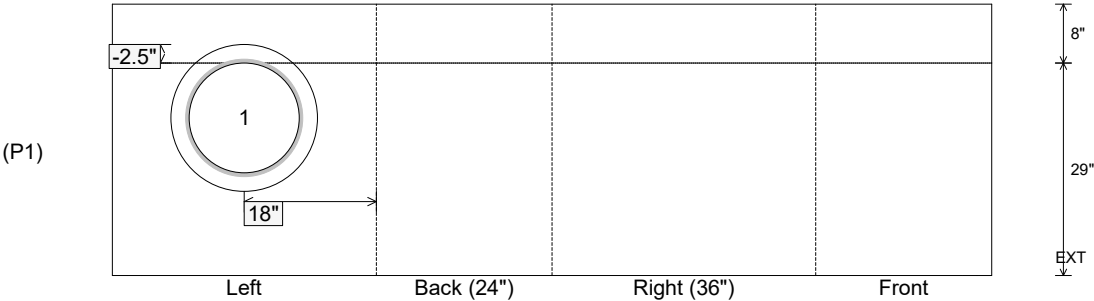
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	549.61'	270°	26"	15" CMP	16"	Hole 20	20"	20"	-2.5"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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): 29" Height (Ext): 37"	Weight (Net): 4144 lb Volume (Net): 1.06cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-2397 Sandy Springs Sec. 2
Job Location: Elizabethtown, KY 42701
Contractor: Dirt Works Unlimited, LLC.

Plant: 100
7/9/2026 2:51:36 PM

Tech: Jared - A
PC: Thomas Ryan



Structure ID: X

P1 BX2436-08BVF BOX BASE 8inW, 8inF, Variable Ht

- P2) 24" x 36" - CASTING HEIGHT - 6"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 33"
1) CASTING - HOE 525 SET (F/G/H)
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 18"

Structure Notes:
PLAN LABEL: X
1. HOE 525 SET (F/G/H) PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. NO INVERT CHANNEL.
5. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

0 lb
4593 lb
442 lb
0 lb
0 lb

5035 lb

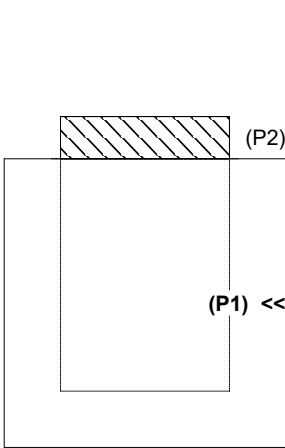
Structure Total:

Rim: 690.82' Rim to Invert: 3.26' Slack: 0.12" Sump: 0" Step Position:

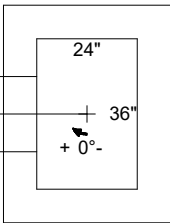
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	687.56'	90°	26"	12" RCP B WALL	16"	Hole 18	18"	18"	-2"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



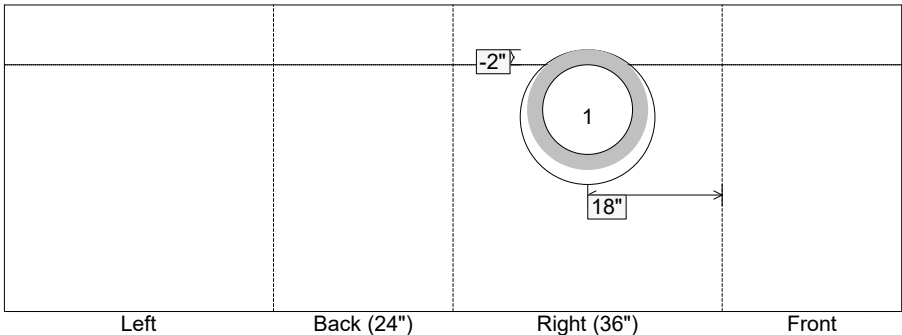
Invert: 1
Degree: 90°
Horz: 18"
Hole: 18"
Up(_): -2"



Invert: 1
Degree: 90°
Horz: 18"
Hole: 18"
Up(_): -2"

INSIDE WALL DIMENSIONS

(P1)



8"
33"
EXT

Coating (Int):
Coating (Ext):
Seam Up: Flat
Seam Dn: n/a
Wall Thickness: 8"
Floor Height: 8"
Height (Int): 33"
Height (Ext): 41"
Weight (Net): 4593 lb
Volume (Net): 1.17cu.yd

Job Name: 25-2397 Sandy Springs Sec. 2
Job Location: Elizabethtown, KY 42701
Contractor: Dirt Works Unlimited, LLC.

Plant: 100
7/9/2026 2:51:35 PM

Tech: Jared - A
PC: Thomas Ryan



Structure ID: V

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

- P2) 24" x 36" - CASTING HEIGHT - 6"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 33"
1) CASTING - HOE 525 SET (F/G/H)
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 18"

0 lb
4593 lb
442 lb
0 lb
0 lb

Structure Total: 5035 lb

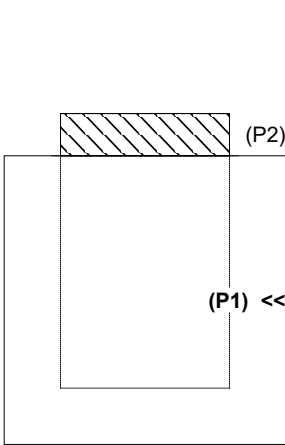
- Structure Notes:
PLAN LABEL: V
1. HOE 525 SET (F/G/H) PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. NO INVERT CHANNEL.
5. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 691.82' Rim to Invert: 3.26' Slack: 0.12" Sump: 0" Step Position:

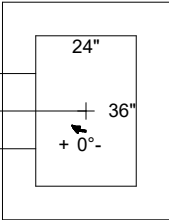
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	688.56'	90°	26"	12" RCP B WALL	16"	Hole 18	18"	18"	-2"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



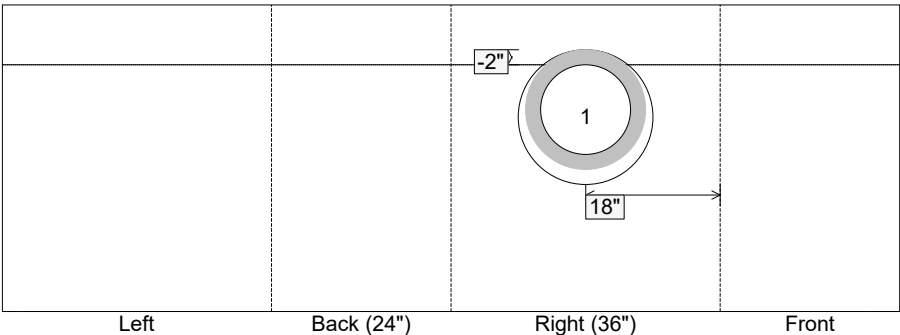
Invert: 1
Degree: 90°
Horz: 18"
Hole: 18"
Up(_): -2"



Invert: 1
Degree: 90°
Horz: 18"
Hole: 18"
Up(_): -2"

INSIDE WALL DIMENSIONS

(P1)



8"
33"
EXT

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

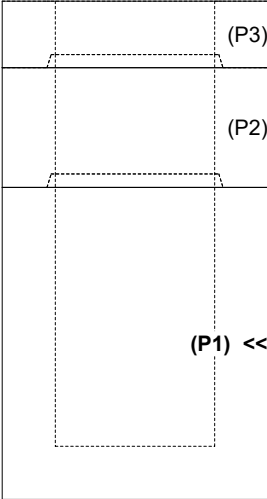
Wall Thickness: 8"
Floor Height: 8"

Height (Int): 33"
Height (Ext): 41"

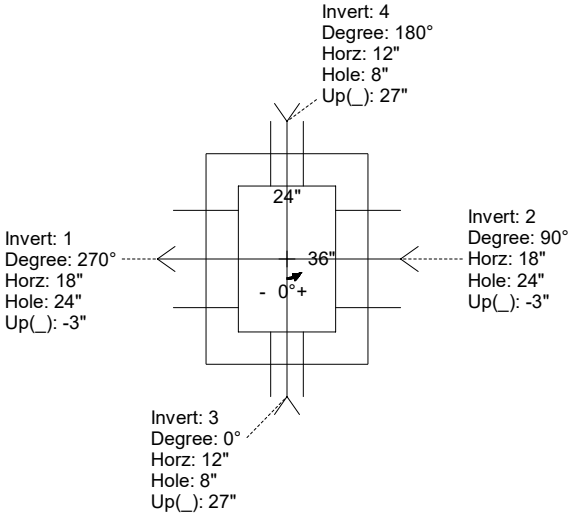
Weight (Net): 4593 lb
Volume (Net): 1.17cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/4/2026 4:53:05 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 531											
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 - 39" 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						3398 lb 5270 lb 4701 lb 206 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 13575 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: 831.78' Rim to Invert: 5.59' Slack: 0.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	826.19'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	826.19'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 3	828.61'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	27"	0"	
Invert 4	828.61'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	27"	0"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											

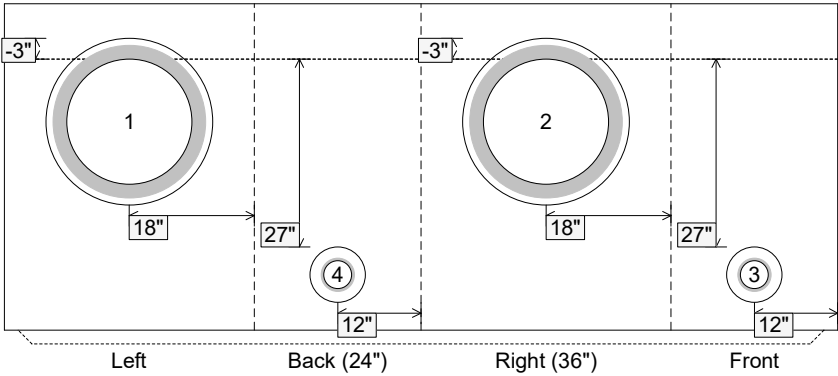
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



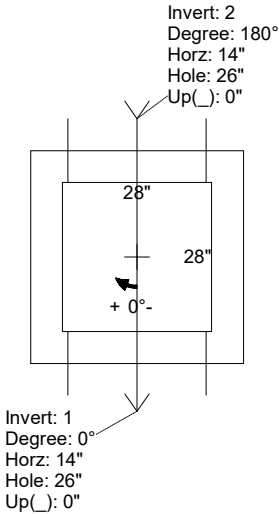
INSIDE WALL DIMENSIONS



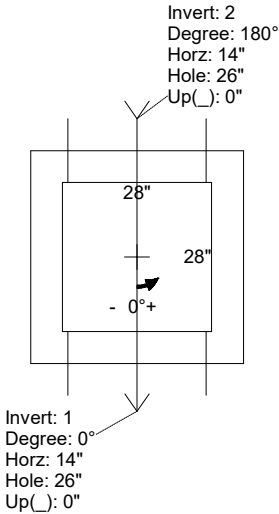
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 39" Height (Ext): 47"	Weight (Net): 4701 lb Volume (Net): 1.2cu.yd
----------------------------------	---------------------------------	--	--	---

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:22 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R40											
P1 BX28280606VH BOX BASE 6inW, 6inF, Variable Ht F/n											
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 45" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 26"					0 lb 3352 lb 450 lb 250 lb 0 lb 0 lb ----- 4052 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). 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: 571.15' Rim to Invert: 4.03' Slack: 0.86" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	567.12'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 2	567.12'	180°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

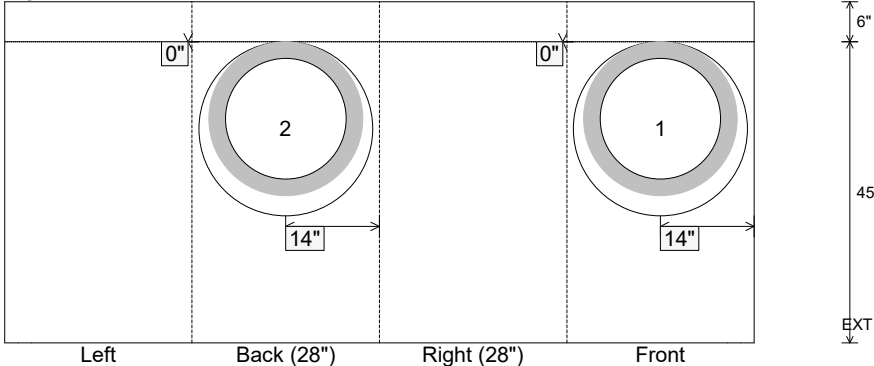
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



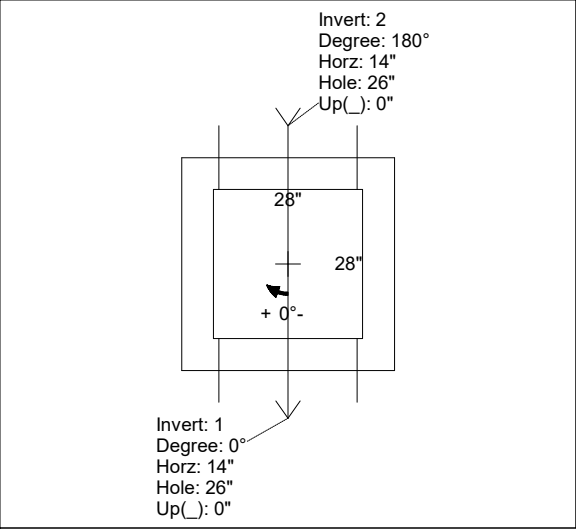
INSIDE WALL DIMENSIONS



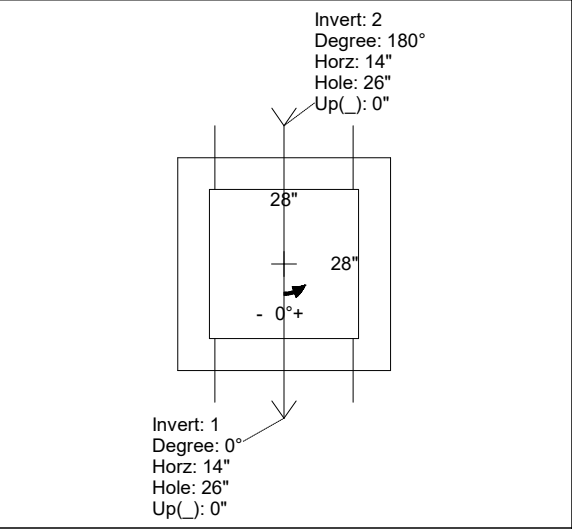
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 45" Height (Ext): 51"	Weight (Net): 3352 lb Volume (Net): 0.86cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:22 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R40											
P1 BX28280606VH			BOX BASE 6inW, 6inF, Variable Ht F/n								
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 45" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 26"					0 lb 3352 lb 450 lb 250 lb 0 lb 0 lb ----- 4052 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). 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: 571.15' Rim to Invert: 4.03' Slack: 0.86" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	567.12'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 2	567.12'	180°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

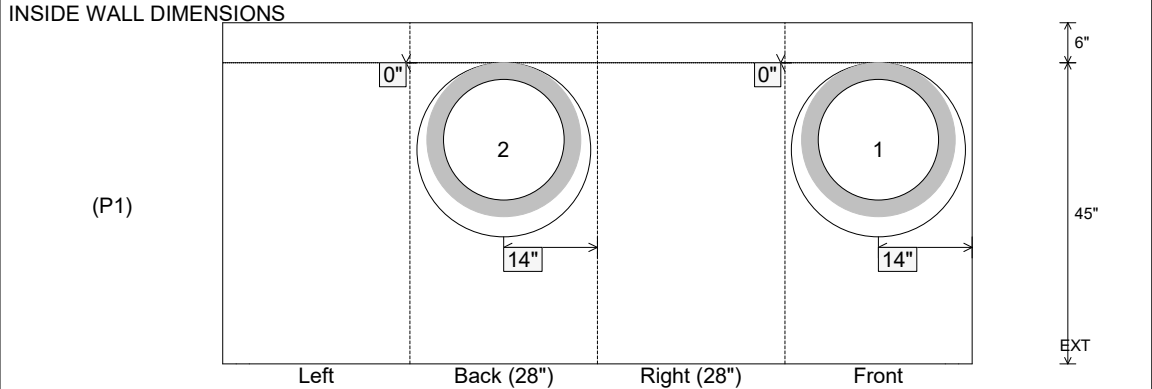
RIGHT-SIDE UP VIEW (int. dimensions)

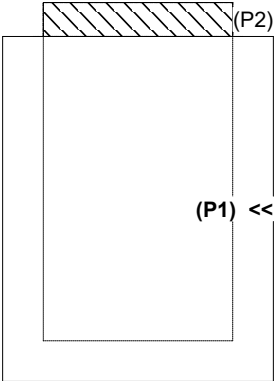


UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS





Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 45"
Height (Ext): 51"

Weight (Net): 3352 lb
Volume (Net): 0.86cu.yd

Invert channel drawing
4" Thick flat storm invert

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

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

6/4/2026 4:53:04 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 530

P1 BX3636-08BA42

BOX BASE 8inW, 8inF F/n

P2) 36" x 36" - P.I.P. - BY OTHERS - 8"

P1) 36" x 36" - BOX BASE 8inW, 8inF F/n - 42"

1) CASTING - HOE KY-316 SET (DBI 1)

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

1) Hole - 24

0 lb

6474 lb

317 lb

0 lb

0 lb

Structure Total: 6791 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI TY 1 / 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-316 FRAME & GRATES SUPPLIED BY ICAST - FRAME TO BE POURED IN PLACE BY OTHERS

7. STUB #5 BAR @ 12" C.C. (GRADE 60) 20" OUT TOP OF WALL FOR FIELD POUR TIE-IN - MIN. 4" PENETRATION INTO WALLS

Rim: 831'

Rim to Invert: 4.2'

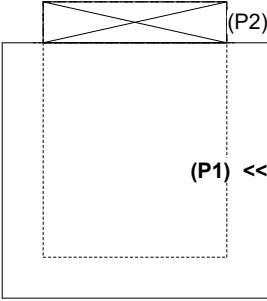
Slack: 0.4"

Sump: 0"

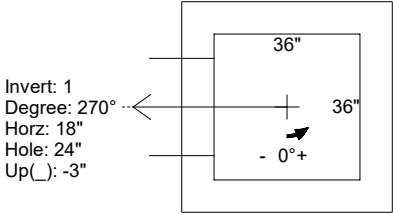
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	826.8'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

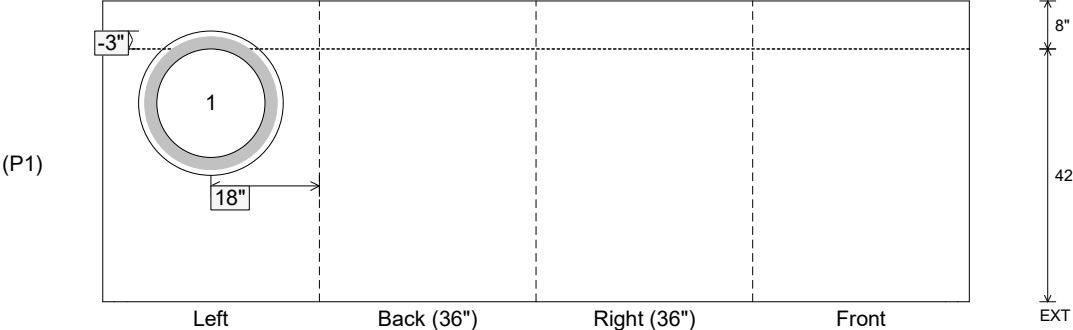
RIGHT-SIDE UP VIEW (int. dimensions)



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"

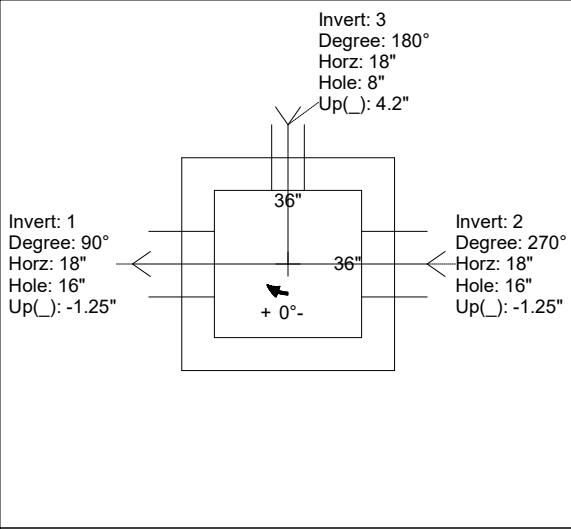
Height (Ext): 50"

Weight (Net): 6474 lb

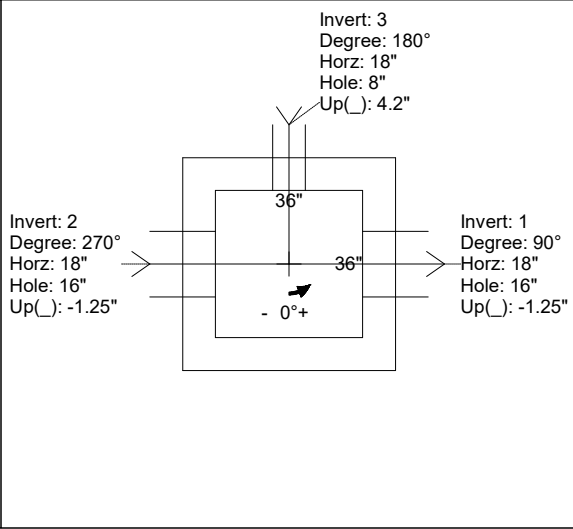
Volume (Net): 1.65cu.yd

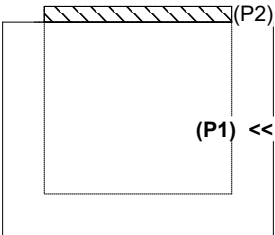
Job Name: 26-2146 - Fairview Apartments Job Location: Russell Springs, KY 42642 Contractor: Dirt Design Construction LLC					Plant: 100 8/3/2026 11:45:27 AM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: 06 ST-SCB											
P1 BX3636-08BAVF BOX BASE 8inW, 8inF, Variable Ht											
P2) 36" x 36" - CASTING HEIGHT - 3" P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 33" 1) 36" x 36" - Conseal CS-102 1.00" 2) Hole - 16 1) Hole - 8						0 lb 5410 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 5410 lb		Structure Notes: 1. PER ASTM C913 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 (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: 1062.65' Rim to Invert: 3' Slack: 0" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1059.65'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"	
Invert 2	1059.65'	270°	26"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"	
Invert 3	1060'	180°	26"	8" Hole	8"	Hole 8	8"	8"	4.2"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)

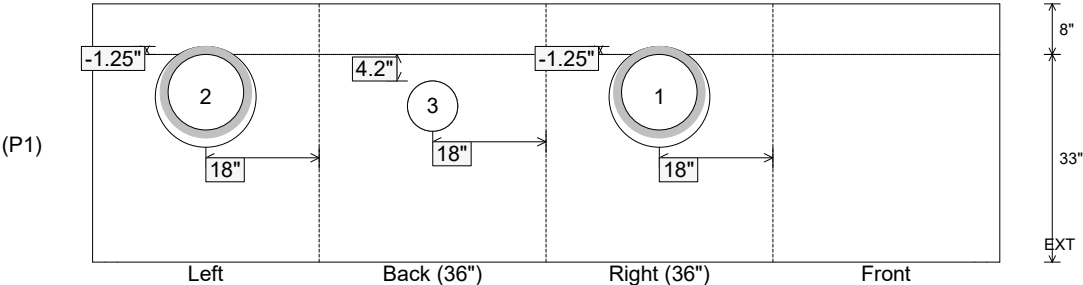


UPSIDE-DOWN VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 33" Height (Ext): 41"	Weight (Net): 5410 lb Volume (Net): 1.38cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-1684P13 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.

Tech: N. Richards

7/21/2026 12:37:19 PM

PC: J. Jarvis



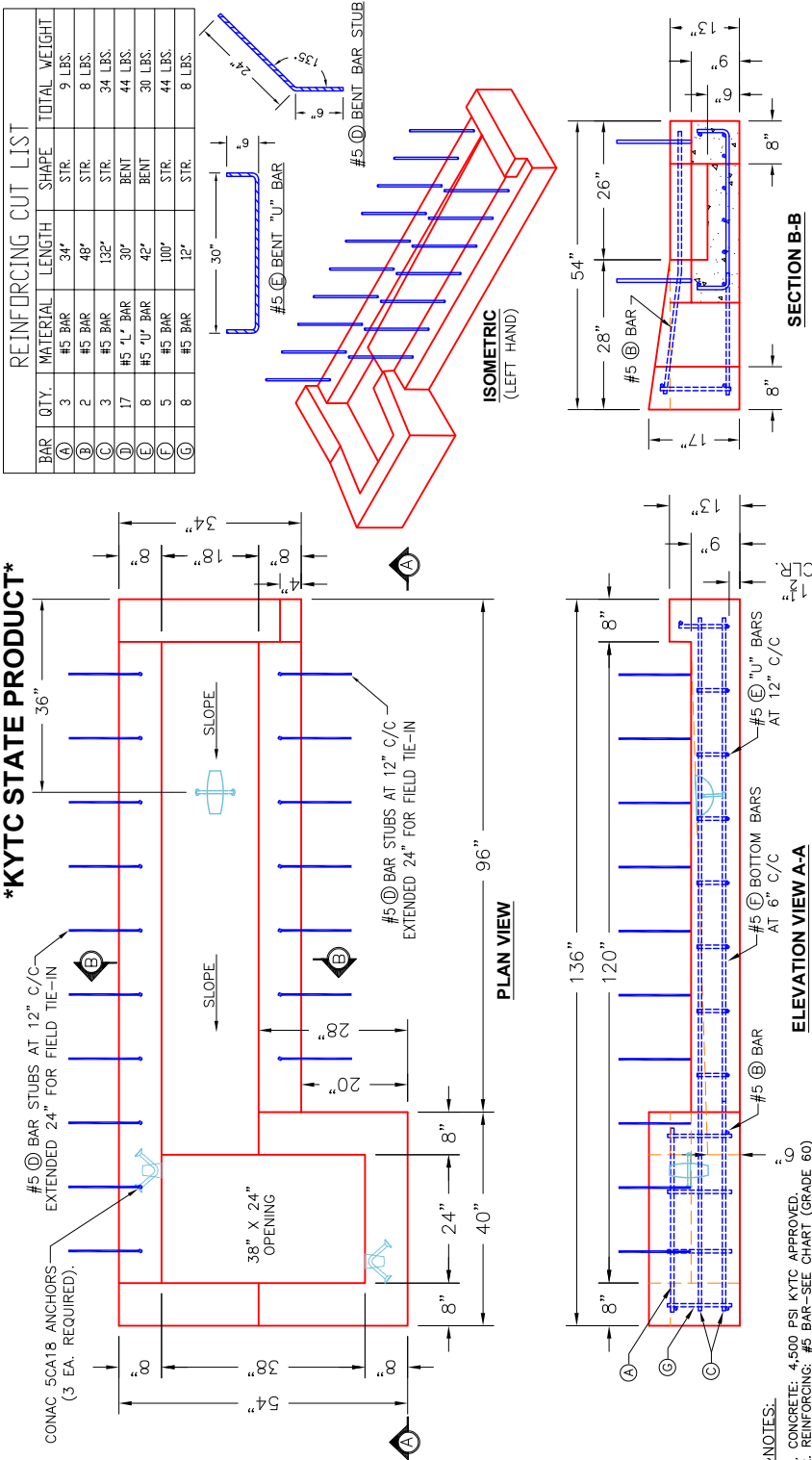
Structure ID: 72+48 CBBI-MOD B1

P2 CMBBIT9-B1LH

CB MED BAR BOX INLET 9B1 LH

- P3) 24" x 120" - CASTING (cast in) - 3"
P2) 24" x 120" - CB MED BAR BOX INLET 9B1 LH - 17"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 29"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 20

- 0 lb Structure Notes:
4000 lb -KYTC STATE PROJECT 251007
4144 lb -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
0 lb -CASTING FRAMES & GRATES BY OTHERS.
0 lb -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
Structure Total: 8144 lb -KYTC CERTIFICATIONS REQUIRED.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 17"

Weight (Net): 4000 lb
Volume (Net): 0cu.yd

Arcadia™ Hydrodynamic Separator Installation Guide

AR10 Specific instructions

Concrete Manhole Installation

This installation guide is a reference for installing the Arcadia Water Quality unit into a precast concrete structure. These directions assume the manhole base and riser have been assembled, and that the top slab has not been set.

Note: Do not insert the inlet or outlet pipes until after the Arcadia internals have been installed. All pipes should sit flush inside the manhole. If pipes must be inserted in advance, the pipes should not protrude into the structure as they can interfere with installation of the Arcadia Internals.

Content

Section 1: Internal Components, Hardware, & Tools

Section 2: Baffle Pre-assembly

Section 2A: Small Baffle (A)

Section 2B: Large Spoked Baffle (B)

Section 2C: Top Baffle (C)

Section 3: Assembling Internal Components

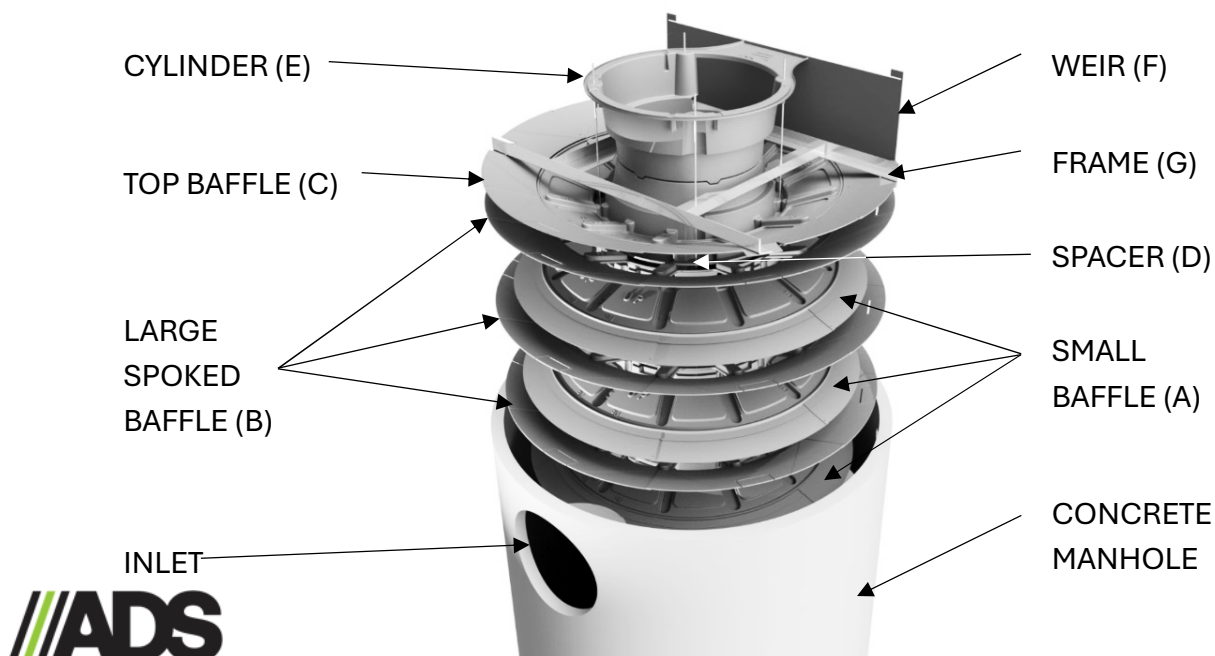
Section 3A: Rigging and Safety Methods

Section 3B: Assembling Internals

Section 4: Mounting Brackets within Concrete Manhole Riser

Section 5: Transporting Assembled Arcadia Internals

Section 6: Installing Arcadia Internals into the Manhole – For Contactor/Jobsite



Section 1: Internal Components, Hardware and Tools



SMALL BAFFLE (A)
Qty:3



LARGE SPOKED BAFFLE (B)
Qty: 3



TOP BAFFLE (C)
Qty: 1



SPACER (D)
Qty: 1



CYLINDER (E) Qty: 1



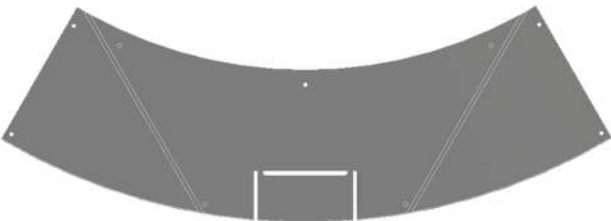
WEIR (F) Qty: 1



FRAME (G) Qty: 1



10" wide plate QTY: 18



16" wide plate QTY: 23

Note: To separate baffles in shipping stack, pull from center of each baffle.

Hardware Provided by ADS



Threaded Rod
(4 long and 4 short) Qty: 8



Washers
Qty: 12



Nuts
Qty: 12



Threaded Coupling
Qty: 4



Screws



Bolts for Frame Assembly



Rod Caps
Qty:4



Threadlocker Capsules
Qty: 2



Bolts for plates And baffles
Qty: 130



Nuts
Qty: 130



Washers
Qty: 260



All-Thread Alignment Tool
QTY:2

Please set aside the following items that will later be delivered to the jobsite along with the assembled Arcadia Unit.

- Small Hardware package marked “Arcadia Installation, For Jobsite Contractor (Not for Precaster).”
- Conseal Roll(s).
- Copy of the Installation Guide

Other Tools Needed

- $\frac{9}{16}$ ” (14.28 mm) or $\frac{3}{4}$ ” (19.05 mm) Hand Wrench, depending on model size
- 7/16” wrench and socket
- Phillips screwdriver or screw gun with Phillips bit
- Drill and $\frac{5}{16}$ ”, and $\frac{1}{2}$ ” drill bit
- 14 long lifting straps, guy ropes, or any appropriate lifting equipment

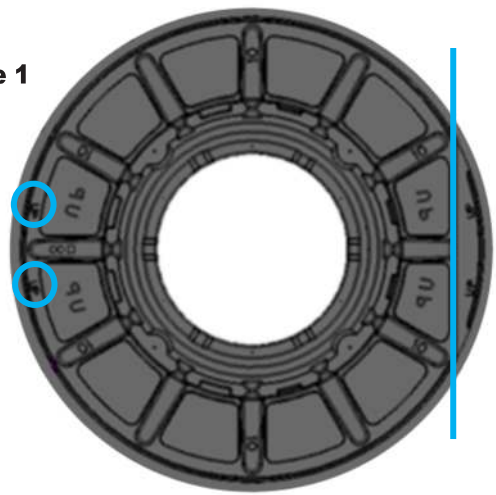
Section 2: Baffle Pre-Assembly

2A: Small Baffle (A)

1. Place small baffle on ground with small “UP” (circled) letters reading correctly (Figure 1). Note the location of the weir slot (line). You will need to assemble 3 of these baffles.

Note: Ignore backwards “UP” on these baffles at this time.

Figure 1



2. Get one of the small plates (Figure 2) (10” wide, no flap cutout). The hole numbers in Figure 2 will be referred to in the following steps.

Note: Ignore backwards “UP” on these baffles at this time.

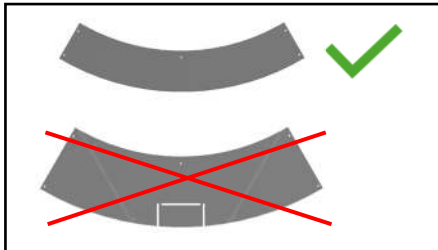


Figure 2

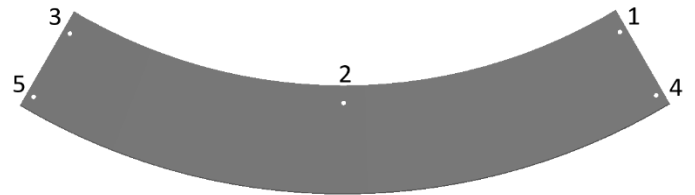
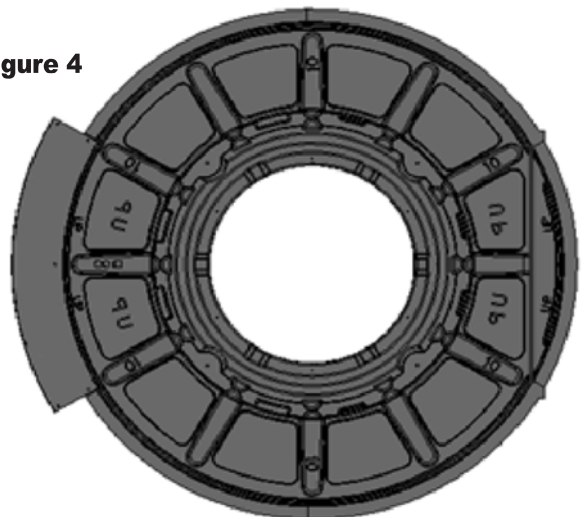


Figure 3



3. Starting opposite the weir slot, place the small plate in the recessed area. There is a registration mark (circled) on the baffle to help you align the center. It is near the manufactured date wheels on the part. Align Hole 2 with the registration mark (Figure 3).

Figure 4



4. The entire plate should be centered in the recessed portion of the baffle. Push and bend the plate to match the baffle edge. (Figure 4)

5. Drill the 2 hole locations as shown (Figure 5).
 1. Start with hole 2. Use a $\frac{5}{16}$ " drill to drill hole through baffle, using plate as a guide.
 2. Bolt with $\frac{1}{4}$ " x 1.5" bolt, washers, and nut.
 3. Flex plate to match the radius of the baffle.
 4. Drill hole at location 3. **Do not** bolt yet.

Figure 5

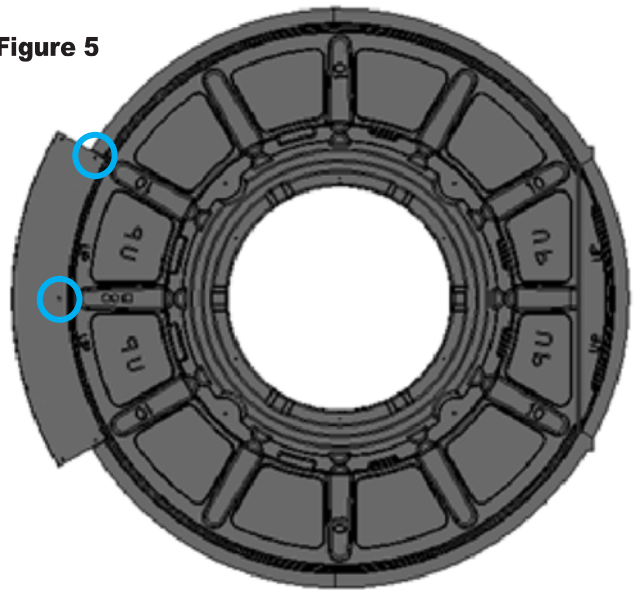


Figure 6

6. Add a second plate. The second plate will overlap **on top** of the first plate. Line up plates and bolt holes 5 (of plate 1) & 4 (of plate 2) together, as shown (Figure 6). Bolt holes 3 (of plate 1) & 1 (of plate 2) and the baffle together.

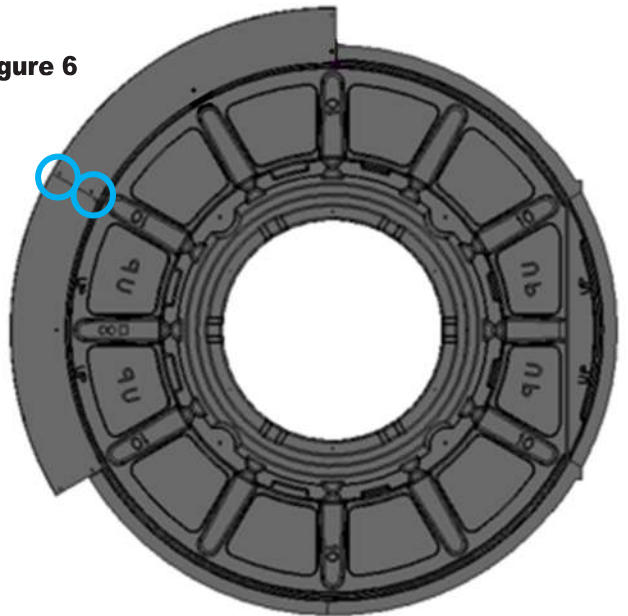
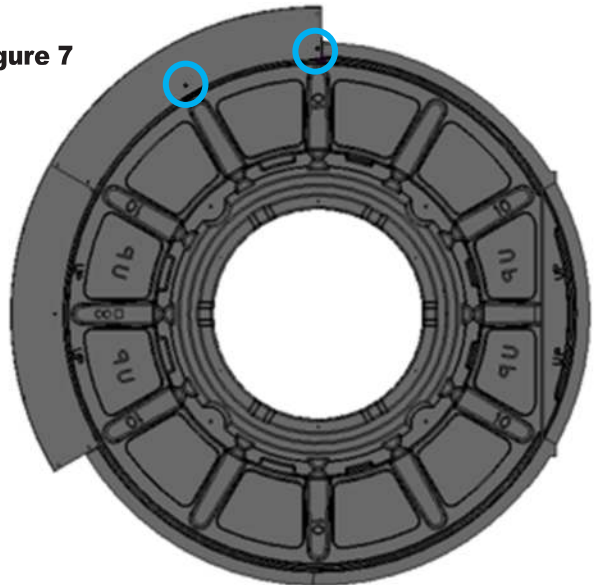


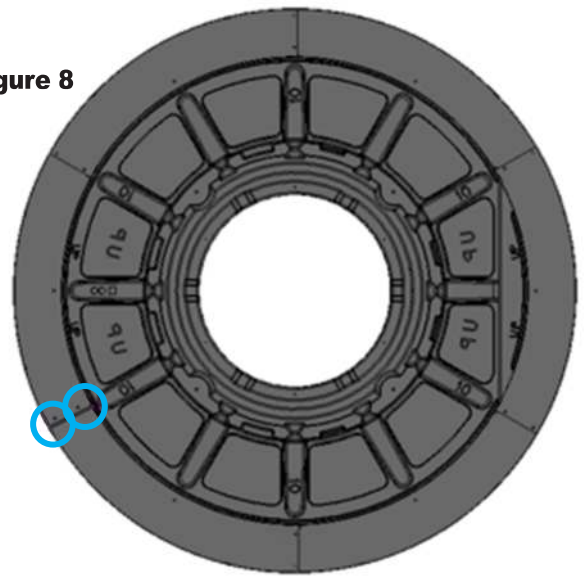
Figure 7

7. Drill holes 2 & 3 on the second plate. Bolt hole 2. (Figure 7)



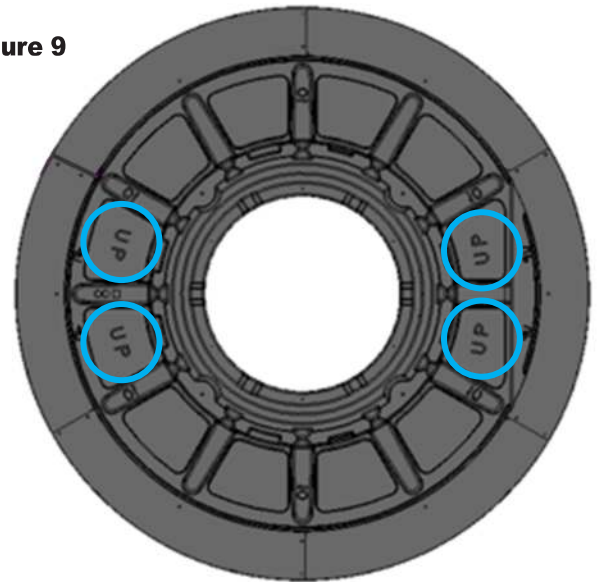
8. The third plate slides under the second plate. Continue the pattern all the way around the baffle. Bolt the plates and baffle together until it is one complete piece (Figure 8). When you get to bolting the last plate in place, align holes 3 and 5 of the last plate with holes 1 and 4 of the first plate. If the final alignment is not perfect, you may run the drill through the holes to finish installing these last two bolts.

Figure 8



9. This baffle is now done. It must be flipped over so that the large “UP” (Figure 9, circled) is now reading correctly. With a second person, grab, lift, and flip the baffle assembly.

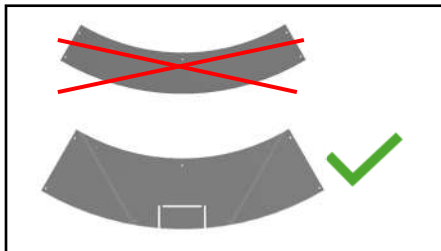
Figure 9



10. The assembly of the Arcadia unit can begin as soon as the first baffle is complete. Skip to **SECTION 3 STEP 1** to begin assembly.

2B: Large Spoked Baffle (B)

1. Place a Large Spoked Baffle (B) on the ground with small "UP" (circled) letters reading correctly (Figure 10). Note the location of the weir slot (line). You will need to assemble 3 of these baffles.



2. Get one of the large plates (Figure 11) (16" wide, with flap cutout). The hole numbers in Figure 11 will be referred to in the following
3. Starting opposite the weir slot, place the large plate in the recessed area. There is a registration mark, similar to the one shown in Figure 3, on the baffle to help you align the center. It is near the manufactured date wheels on the part. Hole 2 aligns with the registration mark. The entire plate should be centered in the recessed portion of the baffle. Push and bend plate to match the baffle edge.
4. Drill the 2 holes as shown (Figure 12).
 - a. Start with hole 2. Use $\frac{5}{16}$ " drill to drill hole through baffle, using plate as a guide.
 - b. Bolt with $\frac{1}{4}$ " x 1.5" bolt, washers, and nut.
 - c. Flex plate to match the radius of the baffle.
 - d. Drill hole at location 3. **Do not** bolt yet.
5. Add a second plate. The second plate will overlap **on top** of the first plate. Line up plates and bolt holes 5 (of plate 1) & 4 (of plate 2) together, as shown (Figure 13). Bolt holes 3 (of plate 1) & 1 (of plate 2) and the baffle together.

Figure 10

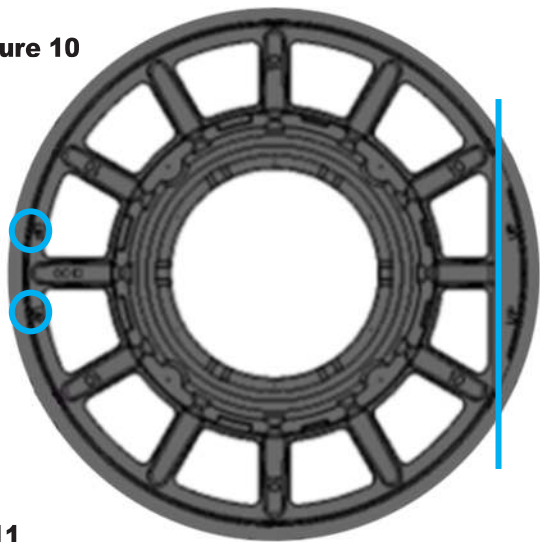


Figure 11

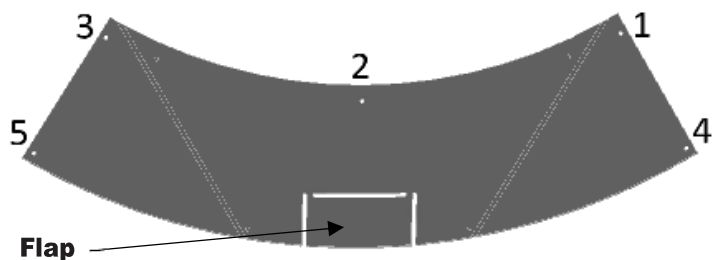


Figure 12

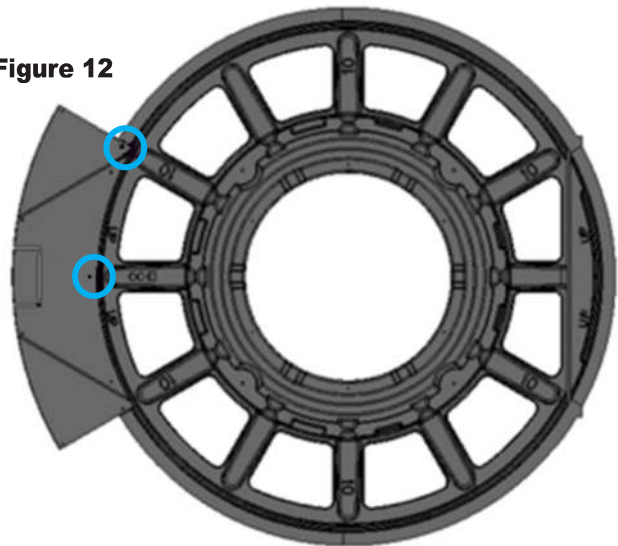
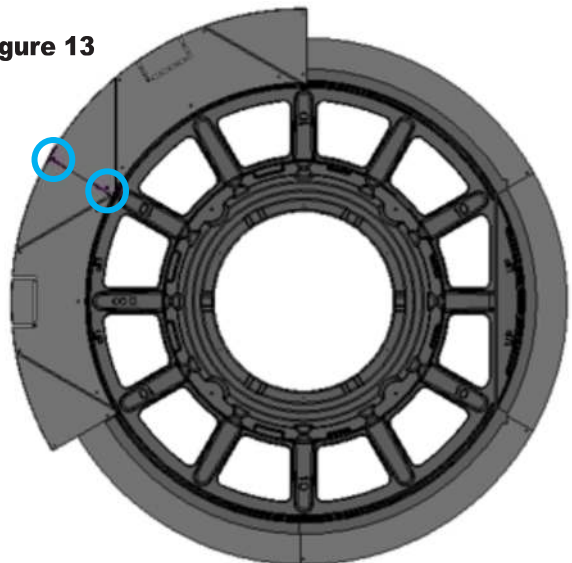


Figure 13



6. Drill hole 2 & 3 on the second plate. Bolt hole 2.
7. The third plate slides **under** the second plate. Continue the pattern all the way around the baffle. Bolt the Plates and Baffle together until it is one complete piece (Figure 14). When you get to bolting the last plate in place, align holes 3 and 5 of the last plate with holes 1 and 4 of the first plate. If the final alignment is not perfect, you may run the drill through the holes to finish installing these last two bolts.
8. This baffle is now done. It does NOT need to be flipped over; it is already facing up. The assembly of the Arcadia unit can continue as each baffle is completed. Skip to SECTION2 STEP 5 to continue assembly.

Figure 14

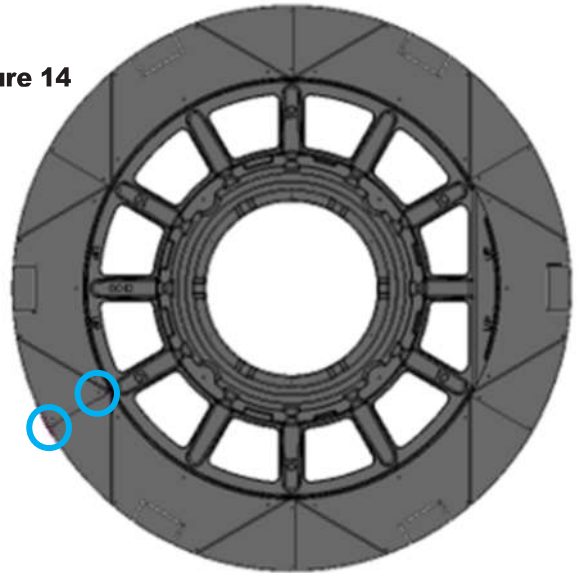
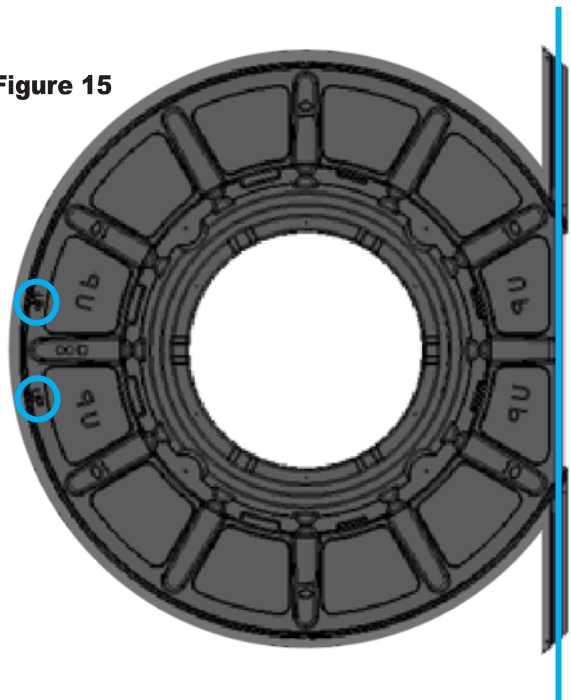


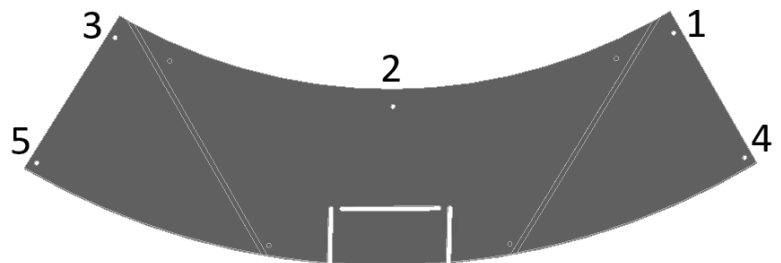
Figure 15



2C: Top Baffle (C)

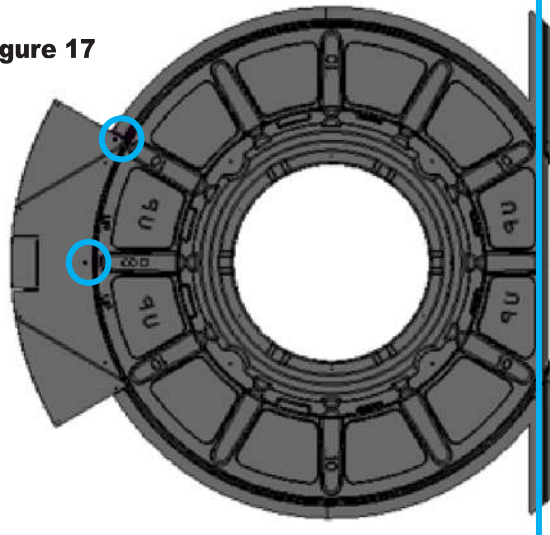
1. Place Top Baffle (C) on ground with small “UP” (circled) letters reading correctly (Figure15). Note the location of the weir slot (line). You will need to assemble 1 of these baffles.
2. Get one of the large plates (Figure 16) (16” wide, flap cutout). The hole numbers in Figure 16 will be referred to in the following steps.

Figure 16



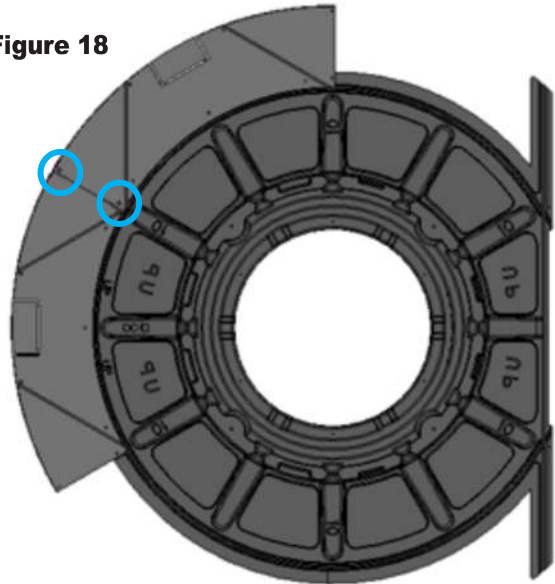
3. Starting opposite the weir slot, place the large plate in the recessed area. There is a registration mark, similar to the one shown in Figure 3, on the baffle to help you align the center. It is near the manufactured date wheels on the part. Hole 2 aligns with the registration mark. The entire plate should be roughly centered in the recessed portion of the baffle. Push and bend plate to match the baffle edge.

Figure 17



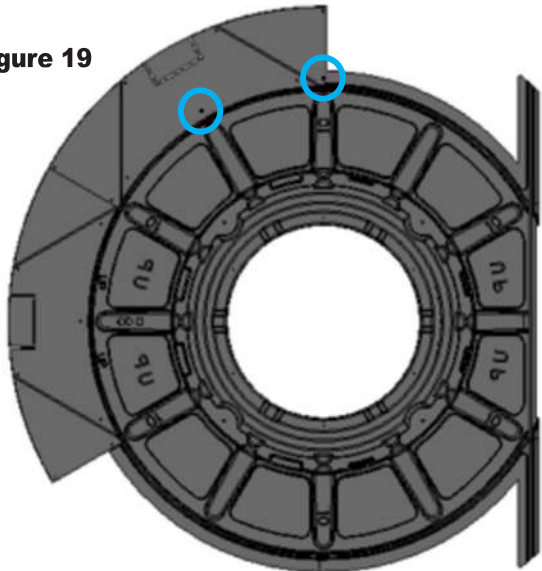
4. Drill the 2 holes as shown (Figure 17).
 - a. Start with hole 2. Use $\frac{5}{16}$ " drill to drill hole through baffle, using plate as a guide.
 - b. Bolt with $\frac{1}{4}$ " x 1.5" bolt, washers, and nut.
 - c. Flex plate to match the radius of the baffle.
 - d. Drill hole at location 3. **Do not** bolt yet.

Figure 18



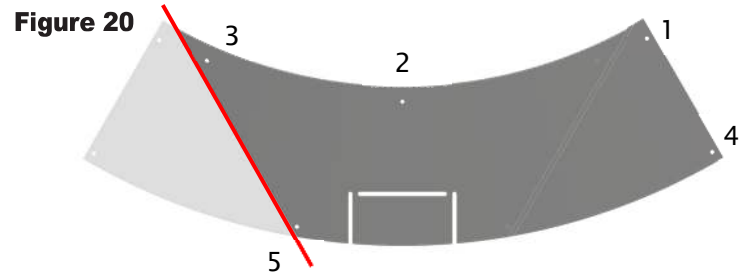
5. Add a second plate. The second plate will overlap **on top** of the first plate. Line up plates and bolt holes 5 (of plate 1) & 4 (of plate 2) together as shown (Figure 18). Bolt holes 3 (of plate 1) & 1 (of plate 2) and the baffle together.

Figure 19



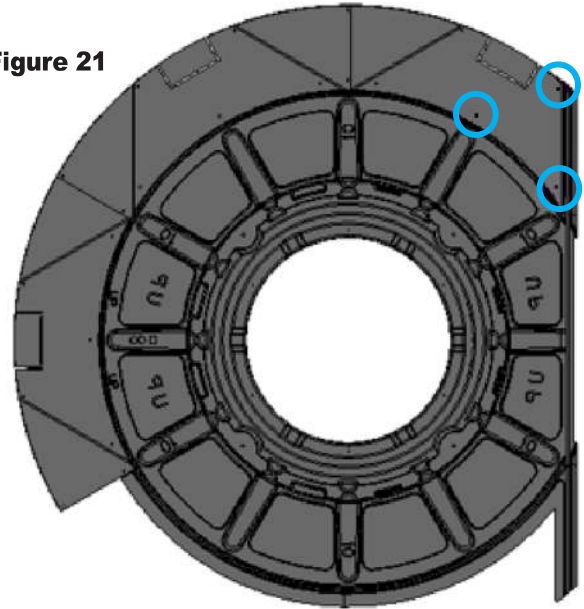
6. Drill hole 2 & 3 on the second plate. Bolt hole 2. (Figure 19)

7. Cut a large plate on the pre-marked line as shown (Figure 20). Use the hole number guide in Figure 20 for this part. Note: Holes 3 and 5 are in a different location compared to the uncut plate.



8. The third plate slides under the second plate. Line up plates and bolt holes 5 (of plate 2) & 4 (of plate 3) together as shown (Figure 21). Bolt holes 3 (of plate 2) & 1 (of plate 3) and the baffle together.

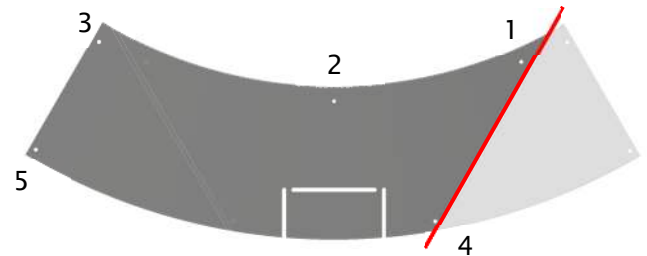
Figure 21



9. Push this third plate into position. Drill and bolt holes 2, 3 & 5 to the baffle (Figure 21). Bolt positions 3 & 5 are pre-marked, but not pre-drilled.

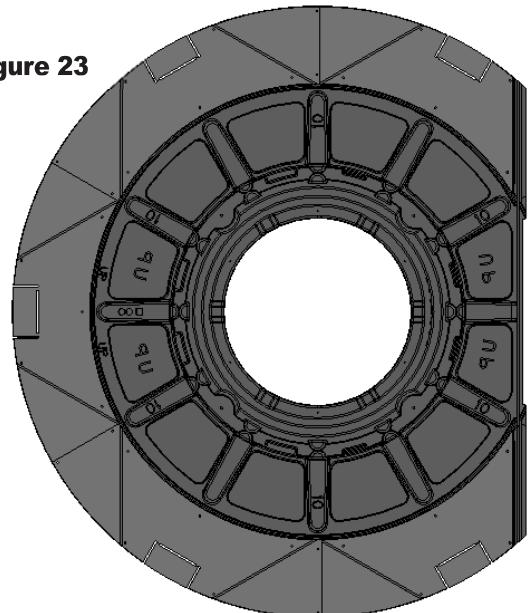
10. Cut a large plate on the pre-marked line as shown (Figure 22). Use this hole number guide for this part. Note: Holes 1 and 4 are in a different location compared to the uncut plate.

Figure 22



11. Add the last 2 plates in the same manner as steps 5,6, and 8. The final assembly will appear as shown (Figure 23).

Figure 23



12. The Top Baffle (C) is now complete. It does **NOT** need to be flipped over; it is already facing up. The assembly of the Arcadia unit can continue as each baffle is completed.

Section 3: Assembling Internal Components

3A: Rigging and Safety Methods:

1. Small Baffle (A)
 - a. Use minimum 14' long straps passed through the center hole and around the baffle edges. (Figure 24)
 - b. Alternately pass lifting straps between plates and baffle, leaving two bolts between pass-through locations. (Figure 25, 26)
 - c. Guy ropes or more straps may be needed to keep baffle horizontal while lifting.
2. Possible rigging method for Large Spoked Baffle (B) (Figure 27): Rig with lifting straps at least 14' long, looped through the baffle as shown. Guy ropes or more straps may be needed to keep baffle horizontal while lifting.
3. Rigging for TOP BAFFLE (C) is similar to the small baffles.
4. Arcadia All-Thread Alignment Tool (Figure 28). Use this to safely reach and adjust all-thread into the baffle holes as a baffle is lowered into place (see Figure 29). Do not work under suspended loads.

Figure 29

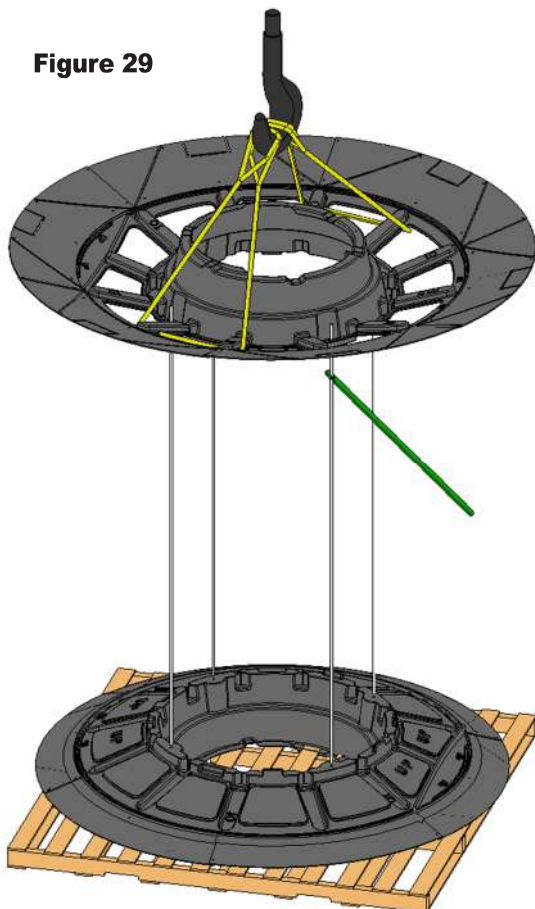


Figure 24

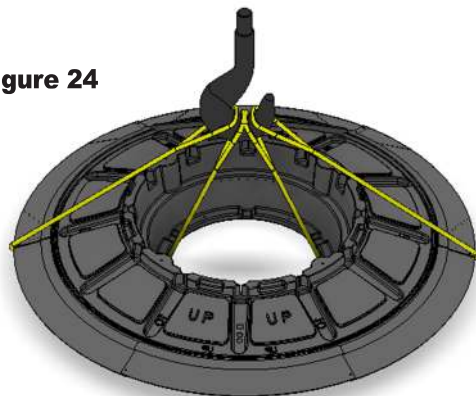


Figure 25



Figure 26



Figure 27

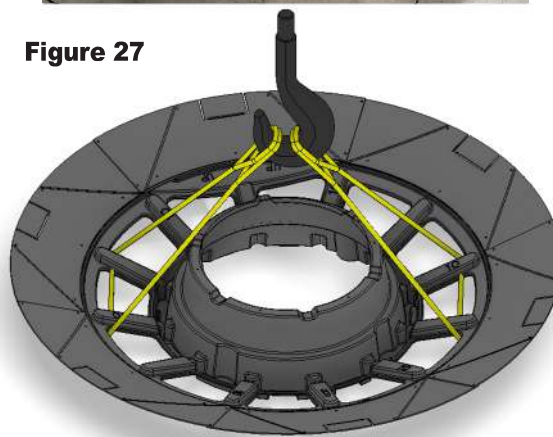
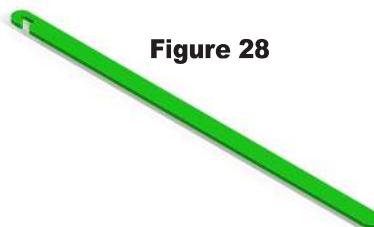


Figure 28



Section 3B: Assembling Internals

*Note: Throughout this procedure, as you stack up the baffles, make sure to align the molded word UP for each layer. For each baffle, UP should be readable and aligned with previous layers shown in **Figure 30**.*

1. Suggested procedure to facilitate assembly:
 - Utilize shipping pallet to support the initial assembly.
 - This step utilizes the Cylinder (E) as a template. Place Cylinder (E) on pallet with flanged side down. Align the 4 holes so they each fall on the wood pallet surface. (see Figure 31).
 - Drill four 1/2" holes into the pallet. Set Cylinder aside for later steps.

Note: Before beginning the next step, note that the correct orientation of the Small Baffle is indicated in Section 2A Step 9 (large "UP" reading correctly).

Figure 9

2. Rotate the first SMALL BAFFLE (A) onto its side and insert the 4 long threaded rods through the holes in the Baffle from the bottom side. The welded washer ends should be down when the baffle is rotated back to its upright orientation.
3. Place this SMALL BAFFLE (A) on the pallet with the molded word "UP" readable and facing upward.
4. Move the threaded rods so the bottom stub drops into the holes in the pallet that were drilled in step 1. This helps keep the threaded rods standing vertically.
5. Rotate one Large Spoked Baffle (B) as needed to ensure the word "UP" is aligned with the Small Baffle (A) as shown in Figure 30. Slide the Large Spoked Baffle (B) down the threaded rods until it rests on the Small Baffle (A) as shown in Figure 33. Each part mates with the previous part in only one orientation.
6. Rotate one Small Baffle (A) as needed to ensure the word "UP" is aligned with the Large Spoked Baffle (B) as shown in Figure 30. Slide the Small Baffle (A) down the threaded rods until it rests on the Large Spoked Baffle (B) as shown in Figure 33.
7. Repeat steps 5, then 6, then 5 again such that one more Small Baffle (A) and two more Large Spoked Baffles (B) have been added. The assembly should now have 6 total Baffles installed as shown in Figure 33.

Figure 30



Figure 31



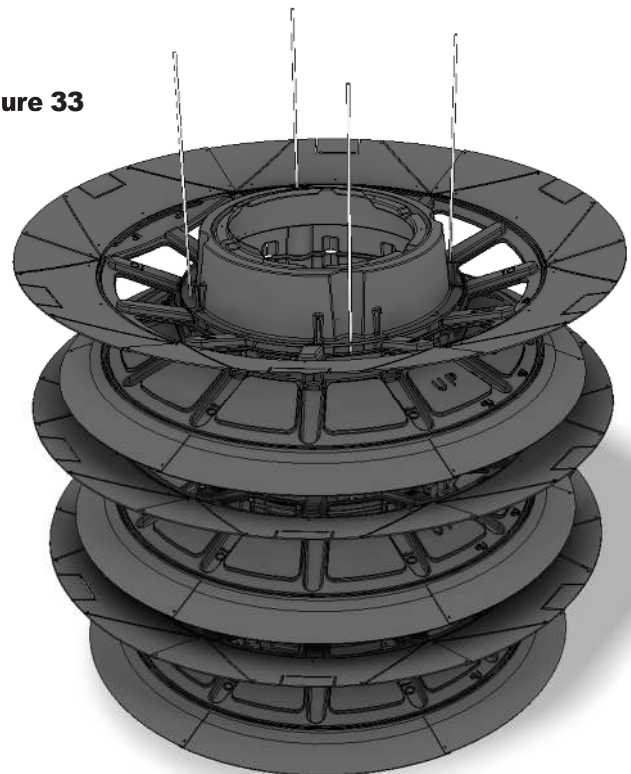
Figure 32



Note: Throughout this procedure, as you stack up the baffles, use the All-Thread Alignment Tool to reach in and align the rod to pass through the baffle holes.

Figure 27.

Figure 33



8. Slide SPACER (D) down the long threaded rods until it rests on the stack of 6 Baffles. The SPACER (D) flange should be oriented down, as shown in Figure 34.
9. Slide TOP BAFFLE (C) down the long threaded rods until it rests on the previous part, as shown in Figure 35. Each part mates with the previous part in only one orientation. Check that the molded word UP, on the outer edge is readable, facing upward, and aligned with the word UP on the previous part before sliding down the rods into position.
10. Grasping each long threaded rod between baffles, push each rod up until the washer is once again snug at the bottom of the stack, as shown in Figure 36. Hand snug a washer and nut to each long threaded rod with a wrench.

Note: Recommended to hold the nut with the wrench and turn the threaded rod to snug.

11. Add a nut and washer to each threaded rod. Top of washer shall be 12.75" above plastic baffle surface (Figure 37).
12. Two people are needed for this step. Assemble FRAME (G) by bolting the 4 metal pieces with provided short bolts, nuts, & washers, as shown in Figures 38 and 39.

Note: Make sure the frame is installed upright, with the angled bends pointing upward, as shown in Figure 39.

13. Slide FRAME (G) onto the threaded rods until it rests flat on nuts and washers added in Step 11. Orient FRAME (G) so that it aligns parallel to the flat portion of TOP BAFFLE (C), as shown in Figure 40.
14. Add another washer and nut to each of the long threaded rods above FRAME (G). Tighten. Then, attach a threaded coupling at the top end of each long threaded rod. Screw it down until the top of the coupling is flush with the top of the threaded rod. The hardware goes on as shown in Figure 41.

Figure 34



Figure 35



Figure 36



Figure 37



Figure 38



Figure 39



Figure 40

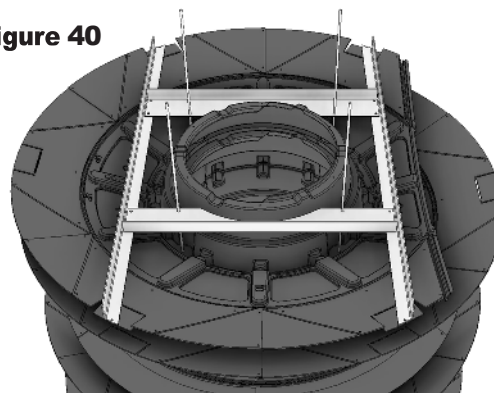


Figure 41



15. Place a washer and nut onto the end of the four short threaded rods, screwing about 3" (75 mm) down. Orient CYLINDER (E) with the flange facing up; feed the rods from the top through the holes in the CYLINDER (E) until the nuts rest on top of the CYLINDER, as shown in Figure 42.
16. Place CYLINDER (E) assembly on top of TOP BAFFLE (C). Each part mates with the previous part in only one orientation. Check that flat side of the flange of CYLINDER (E) is aligned with the flat side of the TOP BAFFLE (C) as shown in Figure 43. Attach the bottom end of the 4 short threaded rods to each threaded coupling at the top of the 4 long threaded rods. Hand tighten snug by twisting the long and short threaded rods in opposite directions.
17. Secure CYLINDER (E) onto each of the 4 short threaded rods with the washer and nut at the top. Hand snug with wrench.
18. Slide WEIR (F) into top slot with the curved edge down. Ensure WEIR (F) is centered in the slot. To easily insert WEIR (F), push one end home and secure lower corner of WEIR (F) to TOP BAFFLE (C) with a screw, as shown in Figures 44 and 45; then push the other end home and secure with screw. Add additional screws into the slot and through the bottom of the weir at approximately the middle, 1/4, and 3/4 positions.
19. Check and hand snug the nuts to the steel FRAME (G) with a wrench. Also hand snug the nuts to the top of the CYLINDER (E), and to the top of the TOP BAFFLE (C). Add a drop of Threadlocker to the rod threads near each nut before final tightening.
20. Secure the top of WEIR (F) with three screws into CYLINDER (E), as shown in Figure 46.
21. Attach Rod Caps to the top of each threaded rod, on top of the unit.
22. The finished assembly should appear as shown in Figure 47.

Figure 42



Figure 43



Figure 44



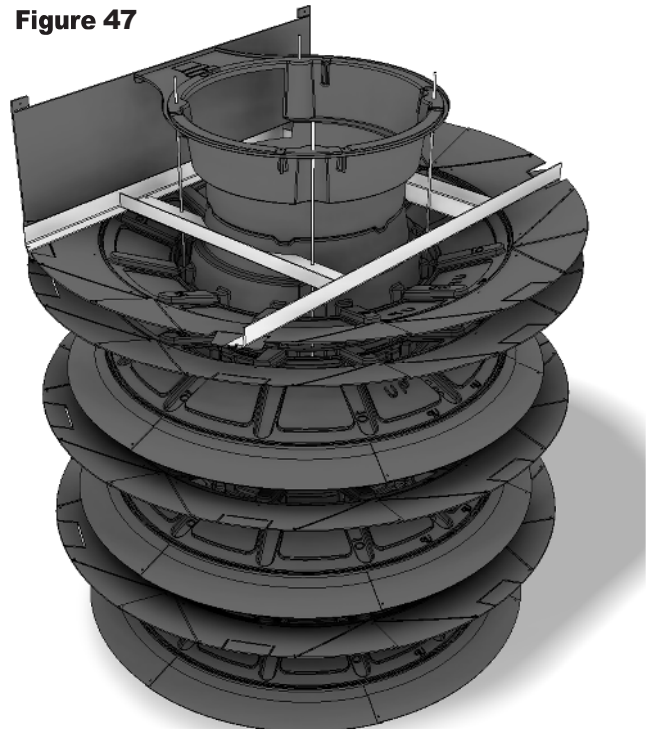
Figure 45



Figure 46



Figure 47



Section 4: Mounting Brackets within Concrete Manhole Riser

Materials provided by ADS

- Brackets (Qty: 4)
- 3/8" (6.35 mm) Diameter 20 tpi, 3 1/4" (82.55 mm) wedge anchors (Qty: 4)

Other Tools Needed

- Drill
- 3/8" (6.35mm) Masonry drill bit
- Hammer
- 9/16" socket or wrench
- Masking Tape
- Rigging

1. Use one of the 2 methods below to locate and mark the elevation and center line for each of the 4 brackets.

a. Angular Dimensions Method:

From the outlet invert, measure depth A (Table 1) and around B° and C° in each direction to locate the top of each bracket. Mark top of bracket.

b. Linear Dimensions Method:

From the outlet invert, measure depth A (Table 2) and around the inside arc B" and C" in each direction to locate the top of each bracket. Mark top of bracket.

Crosscheck outlet invert elevations from approved job specific drawings.

Figure 48

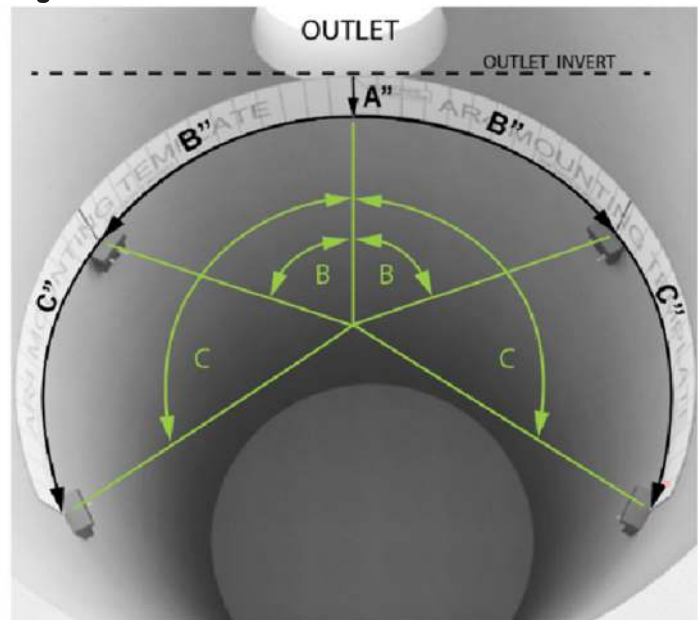


Table 1: Angular Measurements

Arcadia Model	A. Depth from Outlet Invert, in (mm)	B. Angle from Outlet Center, degrees	C. Angle from Outlet Center, degrees
AR10	9 (228.6)	60	120

Table 2: Linear Measurements

Arcadia Model	A. Depth from Outlet Invert, in (mm)	B. Measurement from Outlet Center, in (mm)	C. Measurement from Outlet Center, in (mm)
AR10	9 (228.6)	62 3/4 (1595.9)	125 5/8 (3191.9)

2. Hold bracket in position in manhole at locations indicated. Mark anchor holes for each bracket as shown in Figure 49.
3. Drill two 3/8" holes per bracket, 2½" (63.5 mm) deep. Diagonal holes are recommended. Extra holes provided if needed as shown in Figure 50.
4. Attach 4 brackets to manhole at positions marked, aligned with top of bracket. Lightly hammer the anchors in place. Tighten the locking nuts to firmly secure brackets to the concrete.

Trim any excess anchor that extends beyond the bracket edge as shown in Figure 51.

5. Extend center lines up the manhole wall to the top. Also extend lines across top edge. These center lines will be used by installers at the jobsite to align the unit during installation as shown in Figure 52.

Note: These center lines are part of the bracket installation and should be made with a suitable marking device that can be easily seen, such as a level and marker, or chalk line.

Figure 49



Figure 50



Figure 51

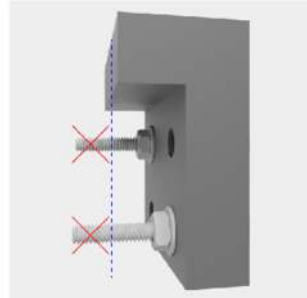
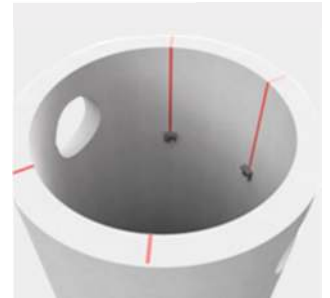


Figure 52



Section 5: Transporting Assembled Arcadia Internals

Placing assembled Arcadia inside concrete manhole riser section for transportation.

1. Choosing a segment of precast concrete manhole riser or base.
 - For transport, choose a riser section that does not contain the mounting brackets, minimum riser depth shown in Table 3. This riser section will serve as shipping containment for the internals.
 - The Arcadia internals will be permanently installed onto the mounting brackets at the jobsite. See Section 6.

Table 3: Angular Measurements

Minimum Depth Transport Riser Section ft (m)	Arcadia Model
6 (1.8)	AR10

2. Rigging Arcadia Internals for lifting.
 - Use the stainless-steel frame arms as pick points for straps, chains, or other qualified rigging. It is recommended to attach at diagonally opposite arms.
 - Appropriate rigging examples are shown in Figures 53 and 54.
3. Place Arcadia Internals within the riser segment using hoisting equipment.
4. Secure with strapping.
5. Along with the internals, be sure to also deliver the 3 additional items listed in the note to the right and seen in Figures 55, 56, and 57.

Figure 53



Figure 54



Figure 55



Figure 56



Figure 57



Note: Please deliver the following additional items to the jobsite along with the assembled Arcadia unit.

- Small hardware package marked "Arcadia Installation, For Jobsite Contractor (NOT FOR PRECASTER)"
- Con Seal roll(s)
- Copy of this Installation Guide

Table 4: Arcadia Separator Internals Weight Once Assembled

Arcadia Model	AR10
lbs (kg)	1306 (592.3)

Section 6: Installing Arcadia Internals into the Manhole – For Contractor/Jobsite

These directions assume the manhole base and riser have not been assembled, and that the top slab has not been set.

Note: Do not insert the inlet or outlet pipes until after the Arcadia internals have been installed. If pipes must be inserted in advance, the pipes should not protrude into the structure as they can interfere with installation of the Arcadia Internals.

Materials provided by ADS

- Arcadia Internals (Qty: 1)
- 3/8" Diameter 20 tpi, 3 1/4" (82.55 mm) wedge anchors (Qty: 2)
- 1/4" (6.35 mm) Diameter 1 1/2" (38.1 mm) long hex head lag screws and washers (Qty: 4)
- 1/4" (6.35 mm) high speed drill bit for drilling into steel brackets
- Conseal Roll(s)

Other Tools Needed

- Drill
- 3/8" Masonry Drill Bit
- 3/16" (4.76 mm) Multi-Purpose Drill Bit
- Hammer
- 3/8" socket or wrench
- Rigging

1. Before assembling the manhole base and riser(s), remove the assembled Arcadia unit from the precast segment that was used for protection during transport, if applicable. Rig the Arcadia internals for overhead lifting. Use the stainless-steel frame arms as pick points for straps, chains, or other qualified rigging. It is recommended to attach diagonally to opposite arms. See Figures 58 and 59. Set the Arcadia unit on level ground.
2. Locate the concrete riser section with Arcadia Mounting Brackets installed.
3. Begin installation of concrete manholes up to and including the section identified in Step 2.
4. For the section identified in Step 2, check for bracket centerline markings inside and on top edge of the manhole. If no markings are present, find and extend the centerlines of each bracket along the inside of the riser all the way to the riser top edge as shown. These centerlines will be used to align the unit during installation. See Figure 60.
5. Rig Arcadia internals for overhead lifting. Use the stainless-steel frame arms as pick points for straps, chains, or other qualified rigging. It is

Figure 58



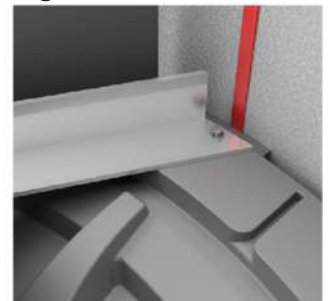
Figure 59



Figure 60



Figure 61



recommended to attach diagonally to opposite arms. See Figures 58 and 59.

6. Lift Arcadia internals at slow speed. Before lowering the unit into the manhole, check for proper alignment with the mounting brackets inside the manhole. Orientation is important throughout the entire installation process.
 - a. Keep the WEIR (F) centered above the outlet pipe opening. See Figure 62.
 - b. Keep frame arms aligned with bracket centerlines during the entire lowering process. Failure to maintain alignment could result in damage to the unit. See Figure 63.
7. Once aligned, slowly lower Arcadia internals into manhole. Utilize a spotter to guide the alignment of the unit with tagline. Proceed until the stainless- steel frame arms are resting on the pre-installed mounting brackets within the manhole.
8. Use the provided 1/4" (6.35 mm) drill bit to make a pilot hole in steel brackets. Affix Arcadia internals with provided lag screws and washers through the holes in the ends of the stainless-steel frame arms, through the top plastic of the unit and into the metal brackets beneath. Use 3/8" socket to drive in lag screws until snug (Figure 61).
9. Affix WEIR (F) edges to manhole walls using concrete anchors. See Figures 64 and 65.
10. Bend WEIR (F) installation tabs to the manhole wall as shown in Figure 64.
11. Mark holes for anchors, one hole per tab.
12. Drill a 3/8" hole 2 1/2" (63.5 mm) deep at each marked hole.
13. Bend WEIR (F) installation tabs to manhole wall.
14. Insert anchors and lightly hammer in place to secure WEIR (F) to manhole wall.
15. Tighten the locking nuts to firmly secure brackets to the manhole wall as shown in Figure 65.
16. Finally, seal WEIR (F) & TOP BAFFLE (C) edges to manhole wall using conseal to fill any gaps. See Figure 62.

Figure 62

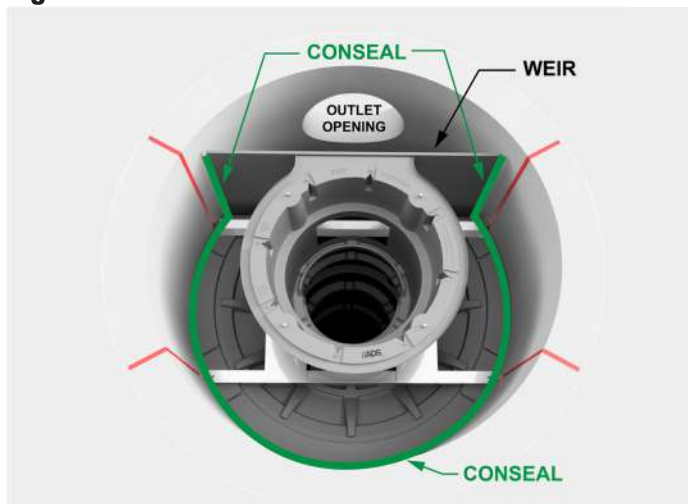


Figure 63

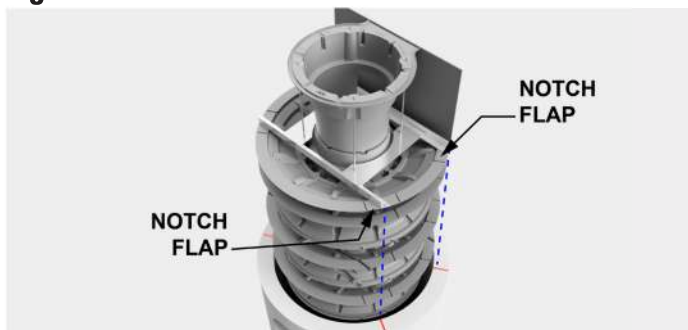


Figure 64

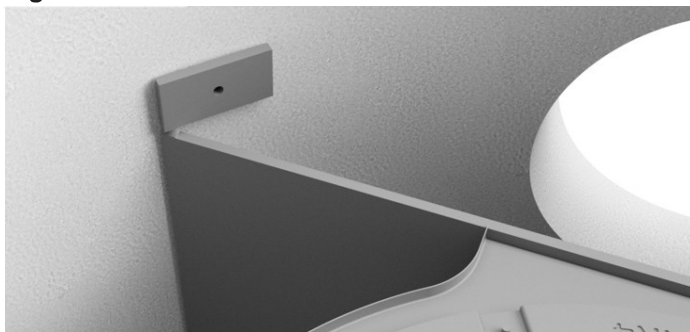
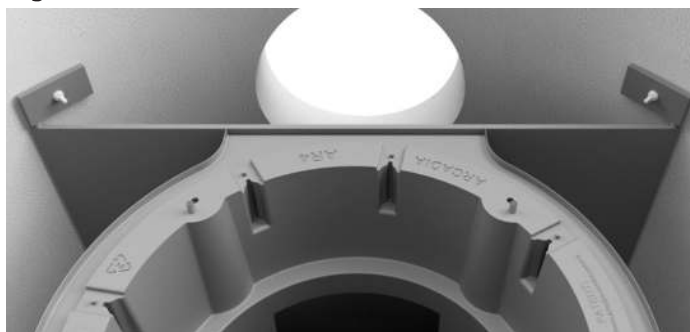


Figure 65



Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

6/5/2026 9:04:27 AM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 528

P2 BX024030-08LD08-15X27

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

- 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, Variable Ht F/n - 44"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
1) Hole - 24
2) Hole - 4

0 lb
963 lb
5126 lb
237 lb
0 lb
0 lb
0 lb
0 lb

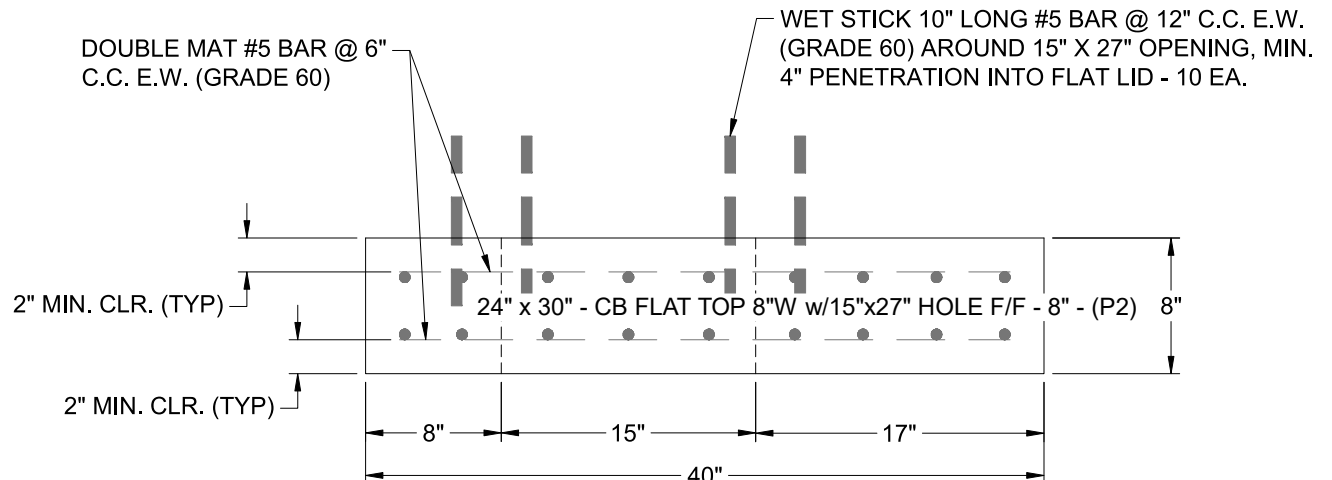
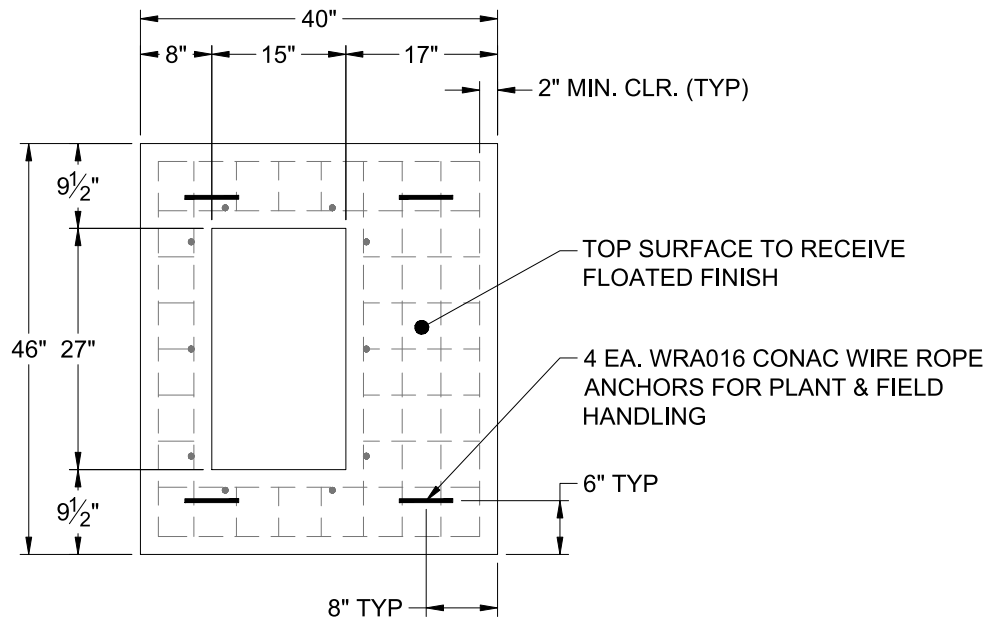
6326 lb

Structure Total:

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI 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. KY-230G FRAME & GRATE SUPPLIED BY ICAST - POURED IN PLACE BY OTHERS
5. WET STICK #5 BAR @ 12" C.C. (GRADE 60) OUT TOP OF FLAT LID AROUND 15" X 27" OPENING FOR FIELD POUR TIE-IN - MIN. 4" 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: 26-2146 - Fairview Apartments
Job Location: Russell Springs, KY 42642
Contractor: Dirt Design Construction LLC

Plant: 100

8/3/2026 11:47:16 AM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 10 ST-DCB

P2 BX2436_08LD08

CB FLAT TOP 8"W (18"x36" HOLE)

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"
1) Hole - 16

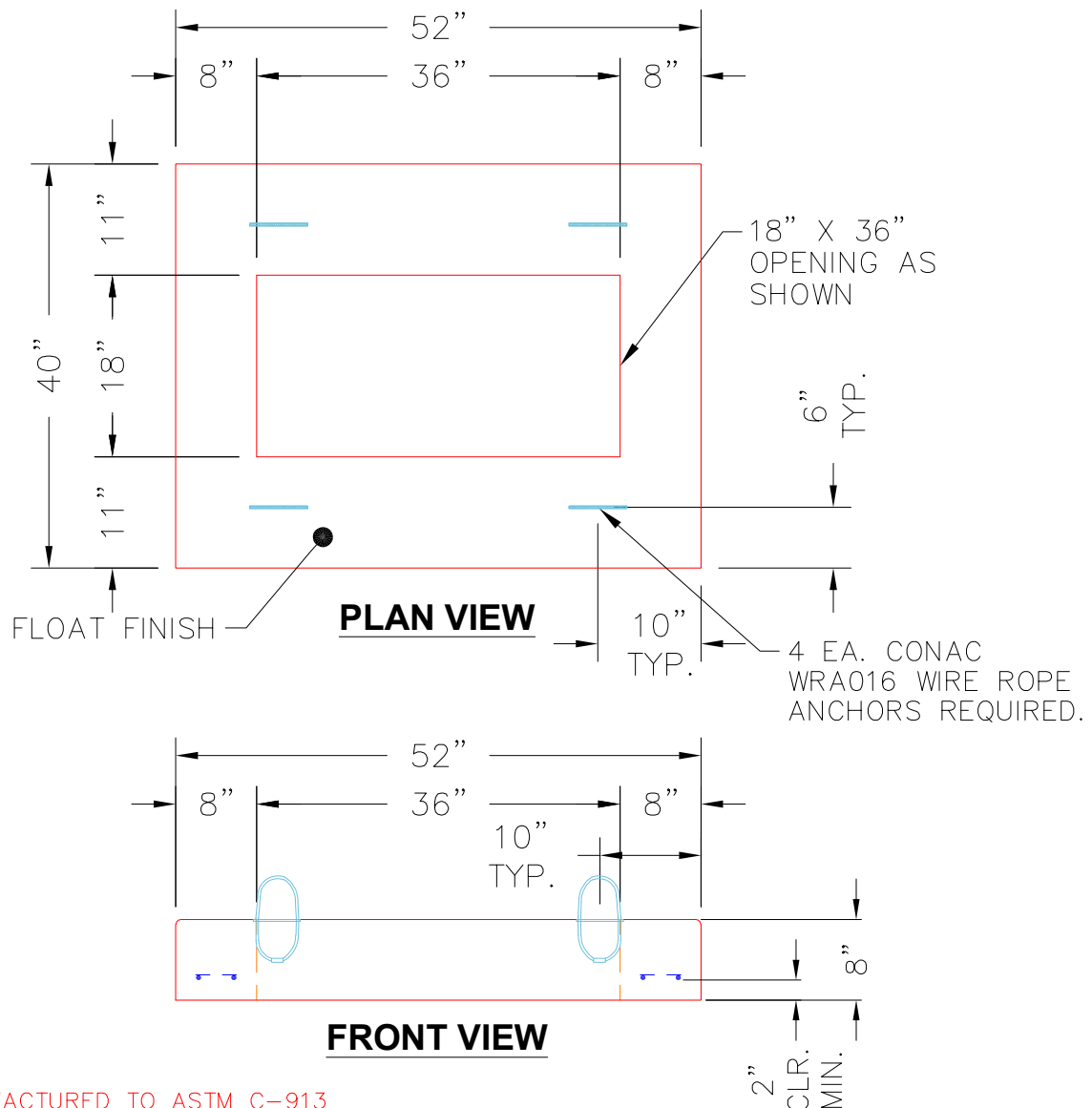
Structure Total: 4263 lb

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.



NOTES:

1. MANUFACTURED TO ASTM C-913 (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: 8"

Height (Ext): 8"

Weight (Net): 961 lb
Volume (Net): 0.25cu.yd

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

Plant: 100

8/3/2026 11:47:15 AM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 07 ST-SCB

P2 BX2436_08LD08

CB FLAT TOP 8"W (18"x36" HOLE)

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 - 36"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 16
1) Hole - 10

Structure Total:

0 lb
961 lb
4739 lb
0 lb
0 lb
0 lb

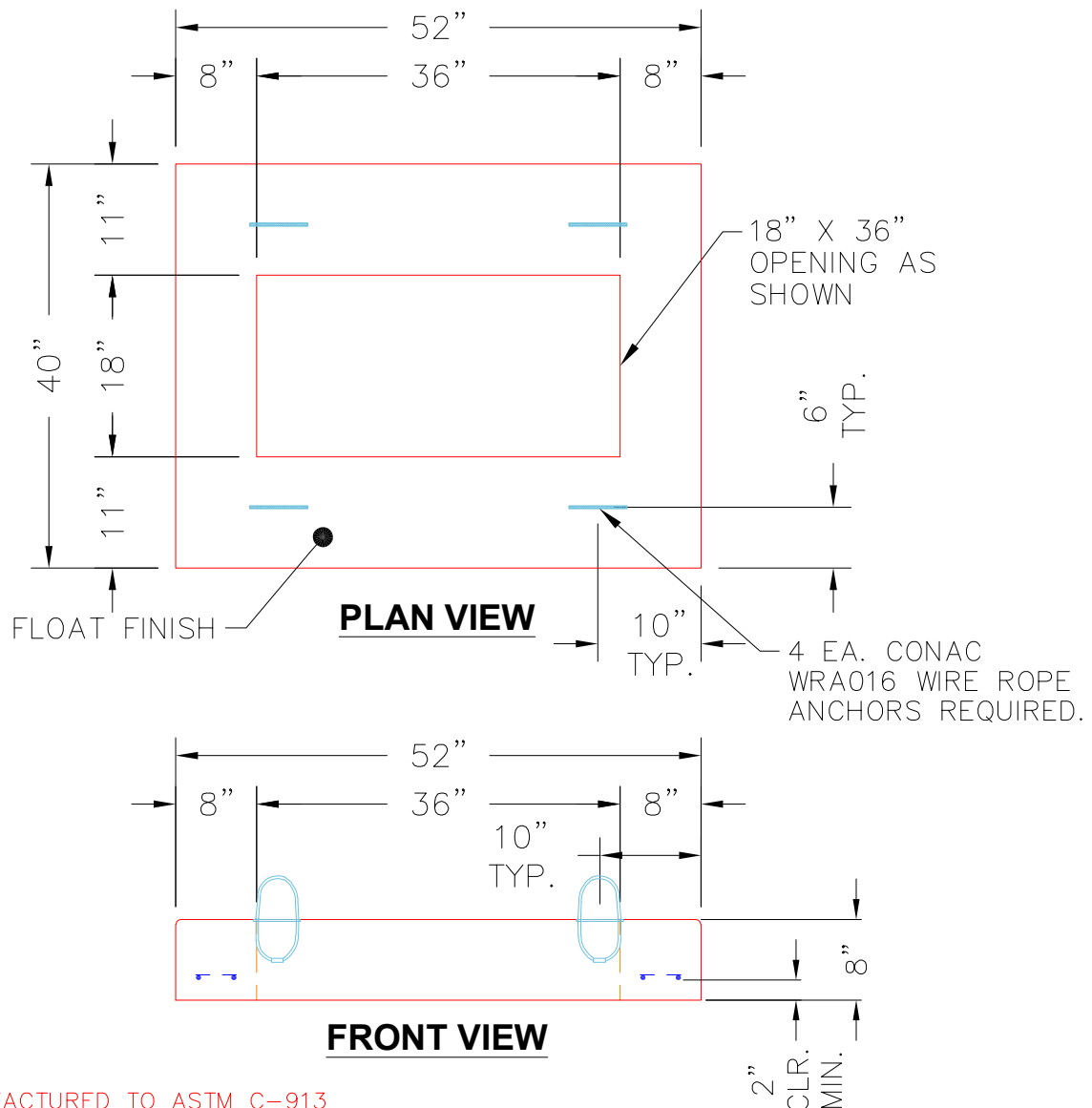
5700 lb

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.



NOTES:

1. MANUFACTURED TO ASTM C-913 (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: 8"

Height (Ext): 8"

Weight (Net): 961 lb
Volume (Net): 0.25cu.yd

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

Plant: 100

8/3/2026 11:47:14 AM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 04 ST-CB1

P2 BX2436_08LD08

CB FLAT TOP 8"W (18"x36" HOLE)

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"
1) Hole - 20
1) Hole - 16

Structure Total:

0 lb
961 lb
3069 lb
0 lb
0 lb
0 lb

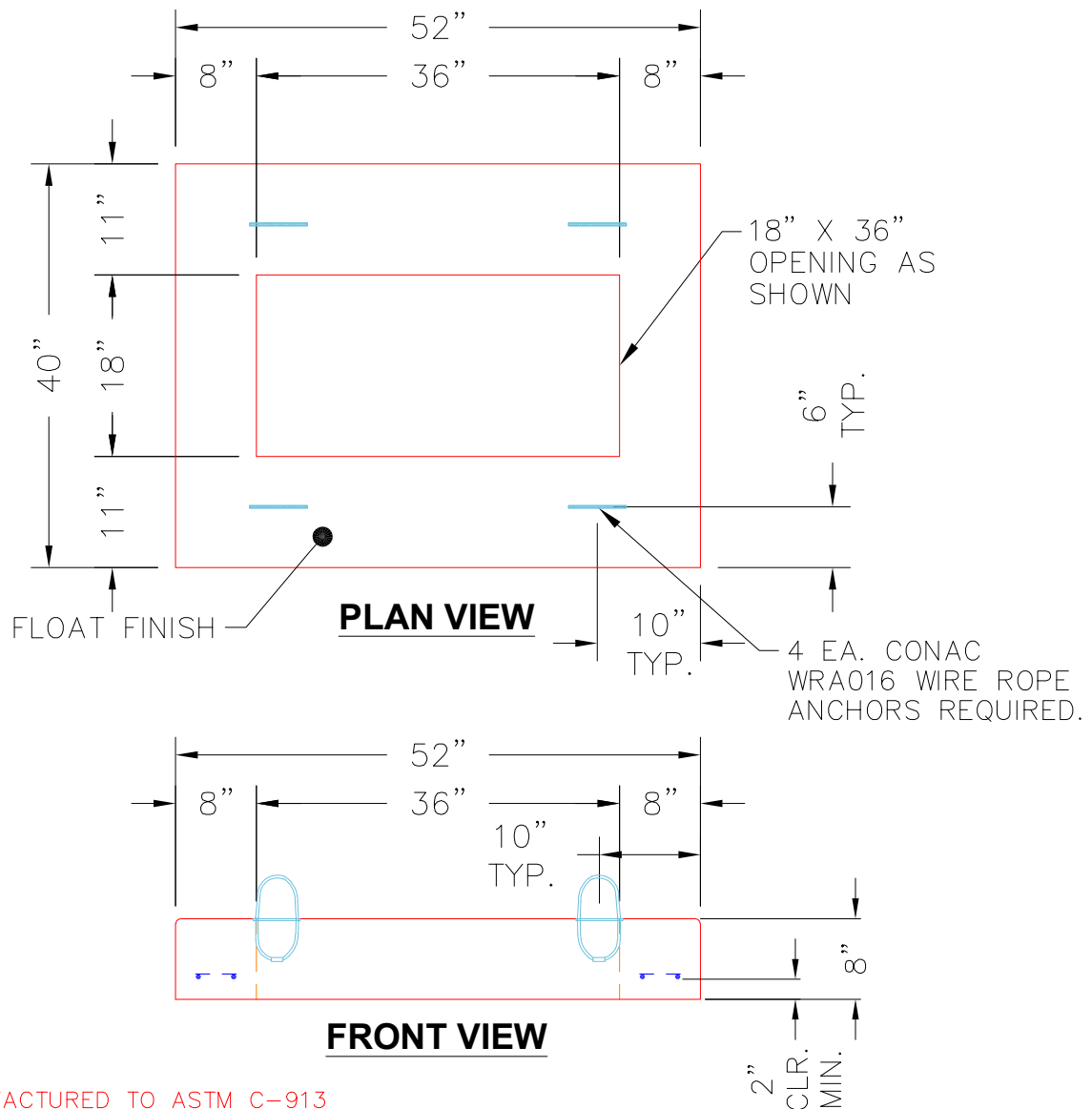
4030 lb

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).

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



NOTES:

1. MANUFACTURED TO ASTM C-913 (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: 8"

Height (Ext): 8"

Weight (Net): 961 lb
Volume (Net): 0.25cu.yd

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

Plant: 100

8/3/2026 11:47:19 AM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 20 ST-DCB

P2 BX2436_08LD08

CB FLAT TOP 8"W (18"x36" HOLE)

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

Structure Total:

0 lb
961 lb
3015 lb
0 lb
0 lb
0 lb

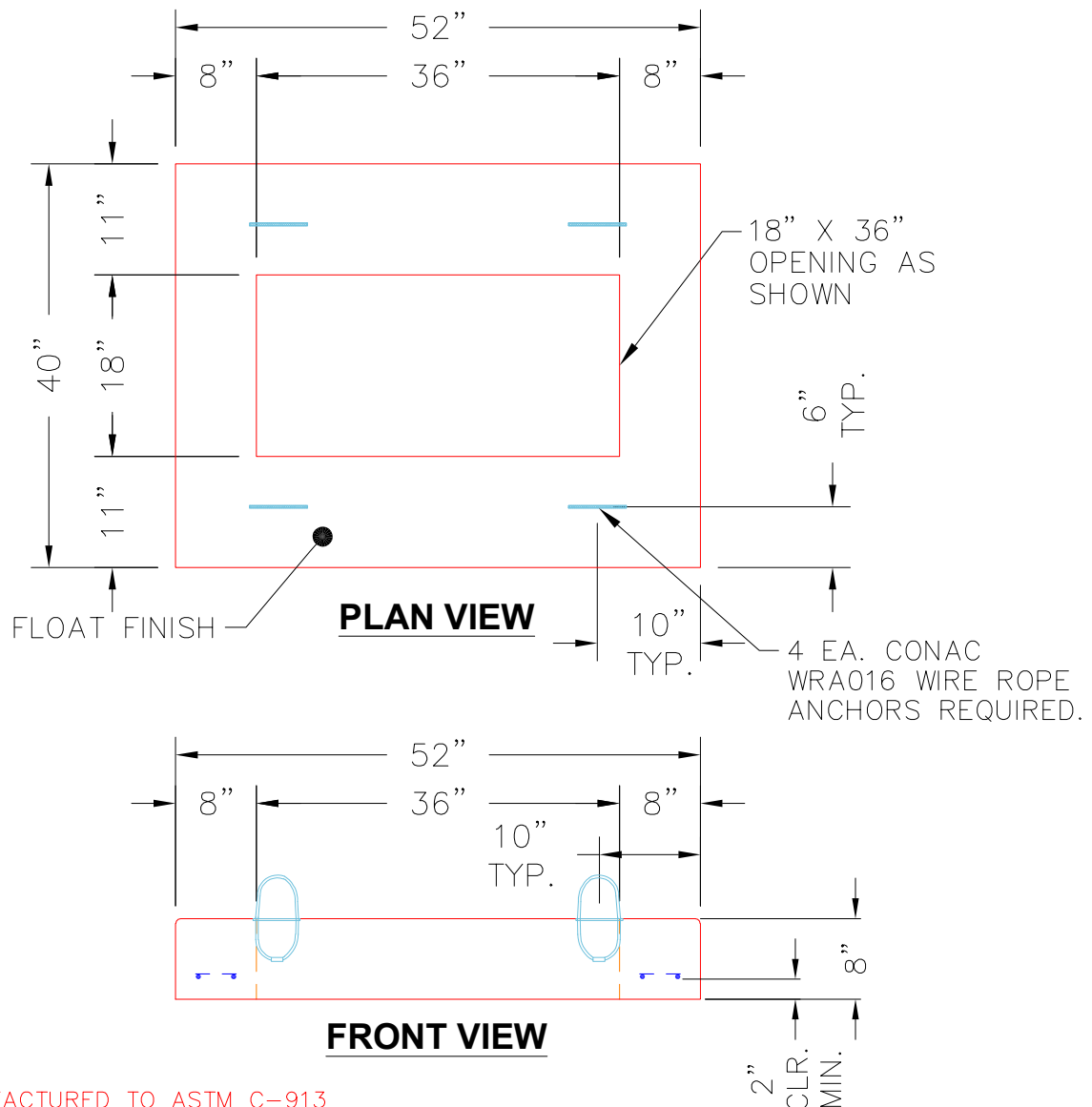
3977 lb

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.



NOTES:

1. MANUFACTURED TO ASTM C-913 (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: 8"

Height (Ext): 8"

Weight (Net): 961 lb
Volume (Net): 0.25cu.yd

Job Name: 26-3067 - McKinney Package Station Floor Slab
Job Location: McKinney, KY
Contractor: Endesol, Inc.

Plant: Beaver Dam

7/22/2026 10:51:07 AM

Tech: J. Coppinge

PC: E. Bradley



Structure ID: QL1

P1 CTS

102IN X 126IN OD FLAT SLAB SPECIAL

P1) 102" x 126" - 102IN X 126IN OD FLAT SLAB SPECIAL - 8"

1) CASTING - HOE 60-A GRATE

8409 lb

14 lb

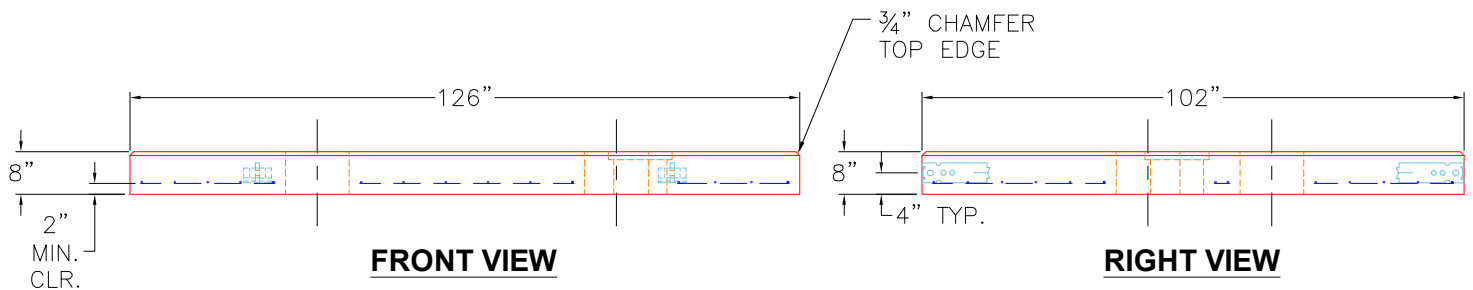
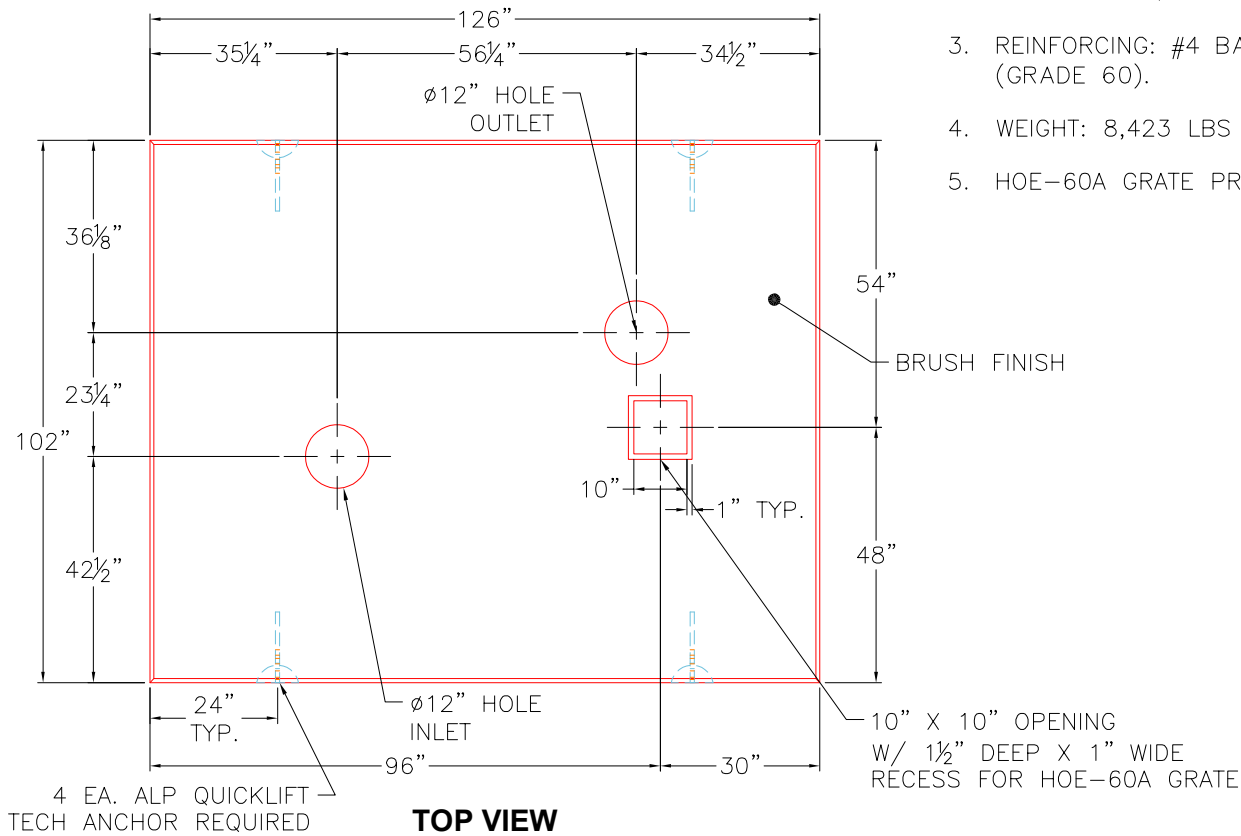
Structure Total:

8423 lb

Structure Notes:

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #4 BAR @ 8" E.W. O.C. (GRADE 60).
4. WEIGHT: 8,423 LBS
5. HOE-60A GRATE PROVIDED BY ICAST.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 0"
Floor Height: 0"

Height (Int): 8"
Height (Ext): 8"

Weight (Net): 8409 lb
Volume (Net): 2.15cu.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

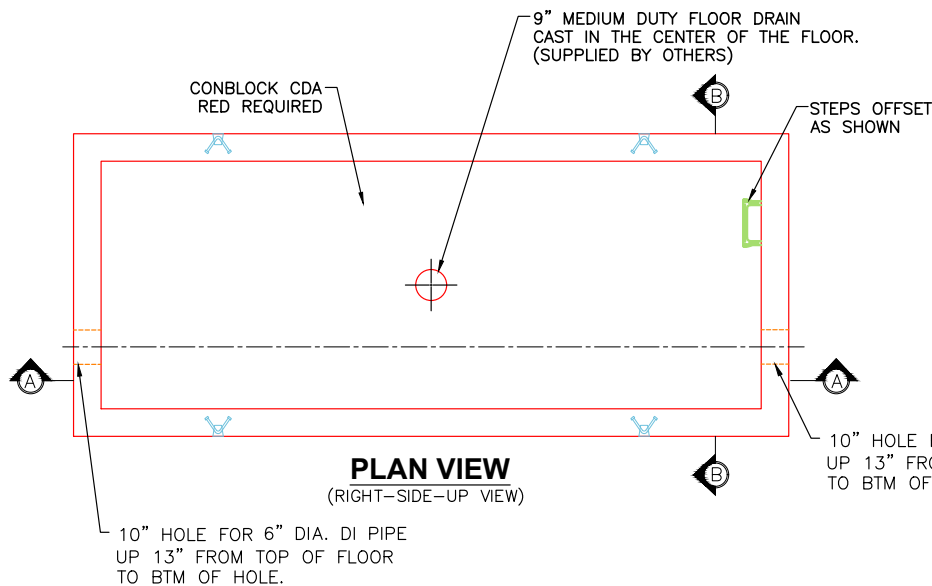
Structure Notes:

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.

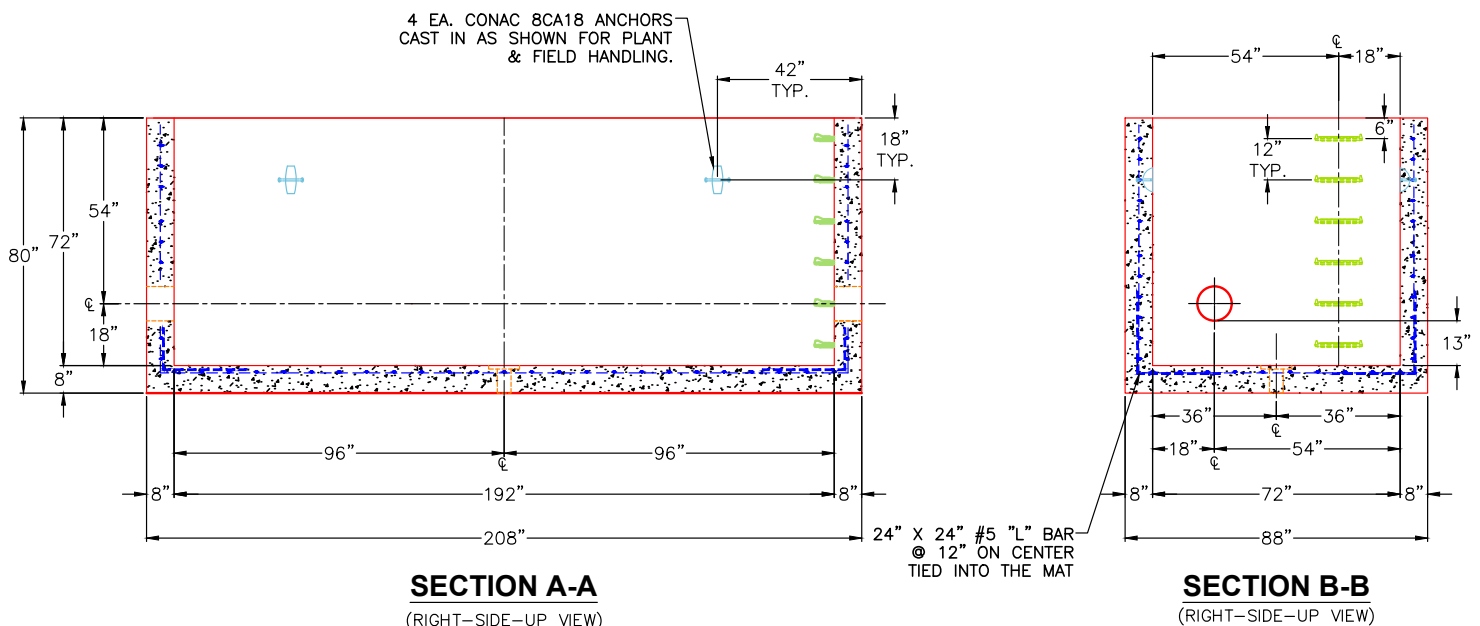
Rim: 6.667' Rim to Invert: 5.417' Slack: 0" Sump: 15" Step Position:



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:

100 lb
10813 lb
39249 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 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).

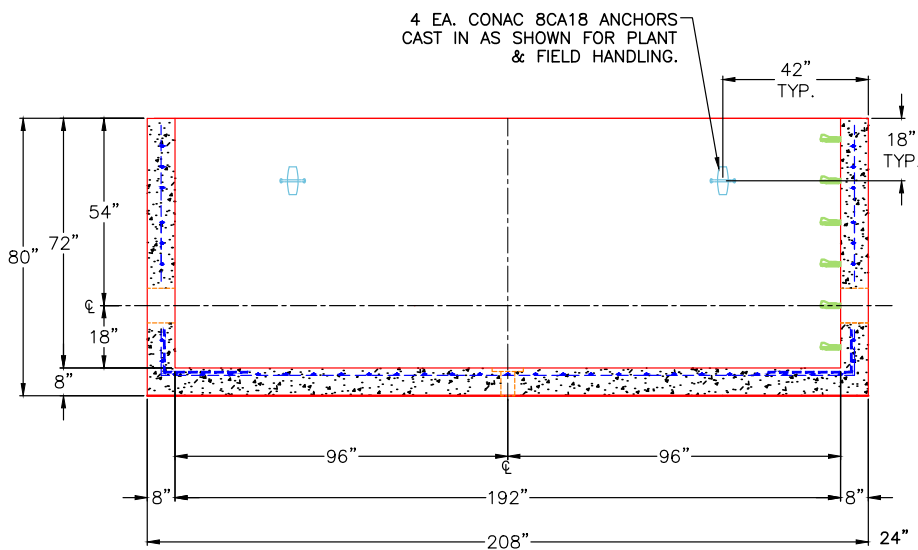
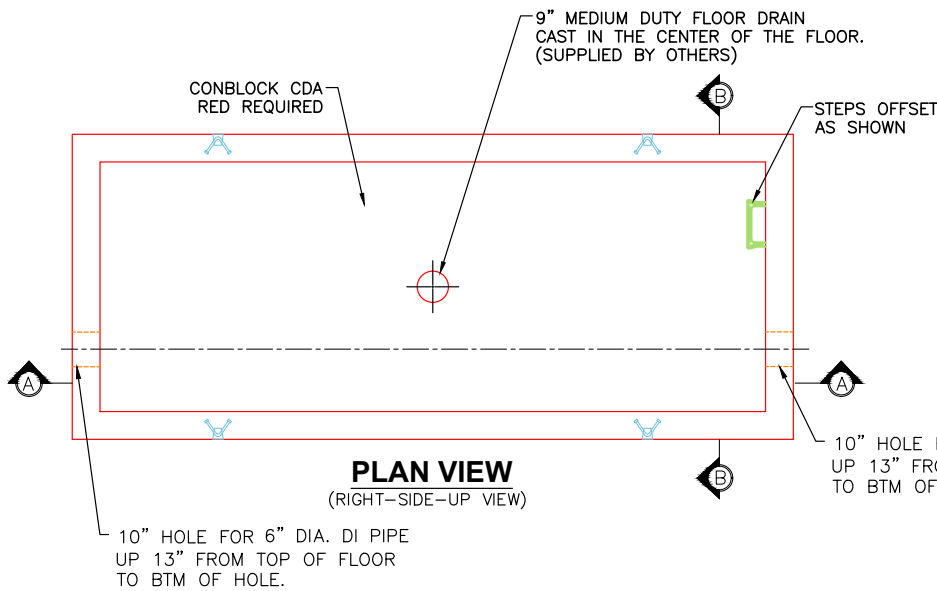
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

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

GENERAL NOTES:

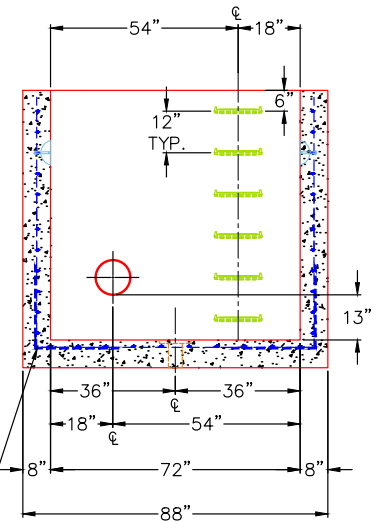
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 8" E.W. O.C. (GRADE 60).
4. WEIGHT:
FIRST POUR - 12,287 LBS.
SECOND POUR - 26,918 LBS.
TOTAL - 39,205 LBS.
5. ALL SECTION REQUIRE CONBLOCK CDA RED ADMIXTURE

SECOND POUR DRAWING



SECTION A-A

(RIGHT-SIDE-UP VIEW)



SECTION B-B

(RIGHT-SIDE-UP VIEW)

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: 26-2227 - UK Research and Education Center Entrance
Job Location: Princeton, KY
Contractor: J & J Excavating

Plant: Beaver Dam, KY

Tech: K. Cardwell

7/18/2026 11:10:07 AM

PC: E. Bradley



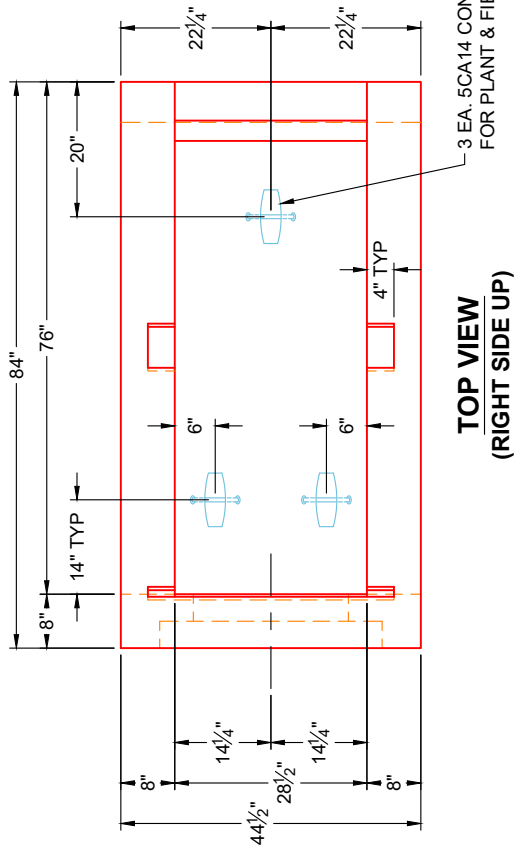
Structure ID: QL2 HW

P1 HWSB02314

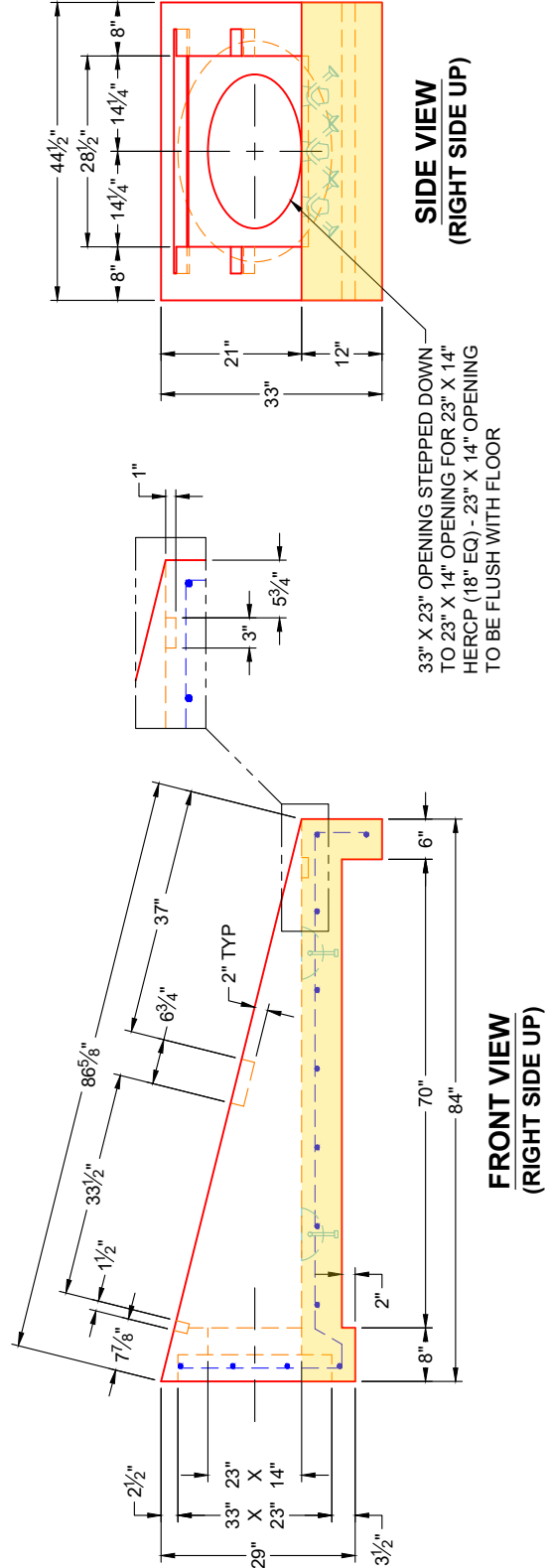
23" x 14" - SLOPED BOX INLET/OUTLET TYPE 1 F/F

GENERAL NOTES:

- THIS DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWING RDH-110-08 & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
- CONCRETE: 4,500 PSI AT 28 DAYS
- REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- REINFORCING BARS TO BE TACK WELDED OR TIED
- $\frac{3}{4}$ " CHAMFER REQUIRED ON ALL EXPOSED EDGES
- PIPE & LIFTING ANCHOR POCKETS TO BE GROUTED BY CONTRACTOR
- TOTAL WEIGHT: 3,358 LBS
- FIRST POUR: 2,076 LBS
- SECOND POUR: 1,282 LBS
- JR HOE KY-298 GRATES SUPPLIED BY ICAST



TOP VIEW
(RIGHT SIDE UP)



Job Name: 26-2227 - UK Research and Education Center Entrance
Job Location: Princeton, KY
Contractor: J & J Excavating

Plant: Beaver Dam, KY

Tech: K. Cardwell

7/18/2026 11:10:07 AM

PC: E. Bradley



Structure ID: QL2 HW

P1 HWSB02314

23" x 14" - SLOPED BOX INLET/OUTLET TYPE 1 F/F

GENERAL NOTES:

- THIS DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWING RDH-110-08 & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
- CONCRETE: 4,500 PSI AT 28 DAYS
- REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- REINFORCING BARS TO BE TACK WELDED OR TIED
- $\frac{3}{4}$ " CHAMFER REQUIRED ON ALL EXPOSED EDGES
- PIPE & LIFTING ANCHOR POCKETS TO BE GROUTED BY CONTRACTOR
- TOTAL WEIGHT: 3,358 LBS
- FIRST POUR: 2,076 LBS
- SECOND POUR: 1,282 LBS
- JR HOE KY-298 GRATES SUPPLIED BY ICAST

