

Job Name: 26-3051 ADS Aiken Ridge Ph.2
Job Location: Louisville, KY
Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam
7/27/2026 1:53:03 PM

Tech: S. Felletter
PC: T. Ryan



Structure ID: WQU1

P3 MH120RS96

MH RISER T/G

- P7) 24" - CASTING HEIGHT - 7"
P6) 24" - GRADE RING F/F - 3"
P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18"
P4) 120" - MH RISER T/G - 36"
P3) 120" - MH RISER T/G - 96"
P2) 120" - MH RISER T/G - 96"
P1) 120" - MH BASE T/n - 24"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ASSEMBLY REQUIRED - BRACKETS ONLY
1) CASTING - HOE MC-420 F/C Storm LOU-MSD
4) 120" - Conseal CS-102 1.00"
2) 24" - Conseal CS-102 1.00"
2) Hole - 24"

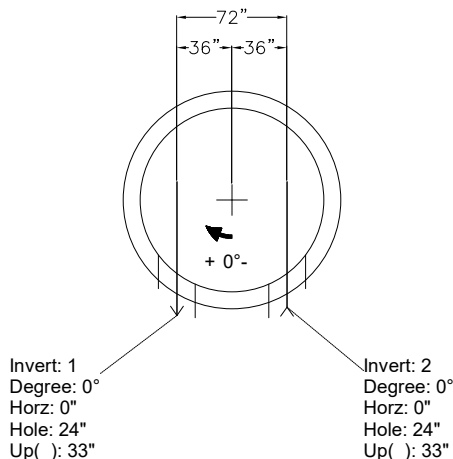
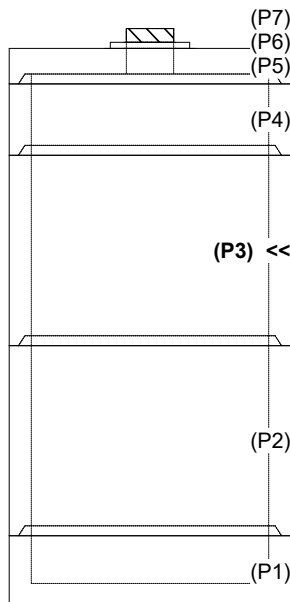
- 0 lb
202 lb
16678 lb
13675 lb
35438 lb
36468 lb
25064 lb
0 lb
0 lb
0 lb
340 lb
0 lb
0 lb
0 lb
- Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-420 F/C LOU-MSD "STORM").
4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.
5. ASSEMBLY REQUIRED - BRACKETS ONLY.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .36)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Structure Total: 127865 lb

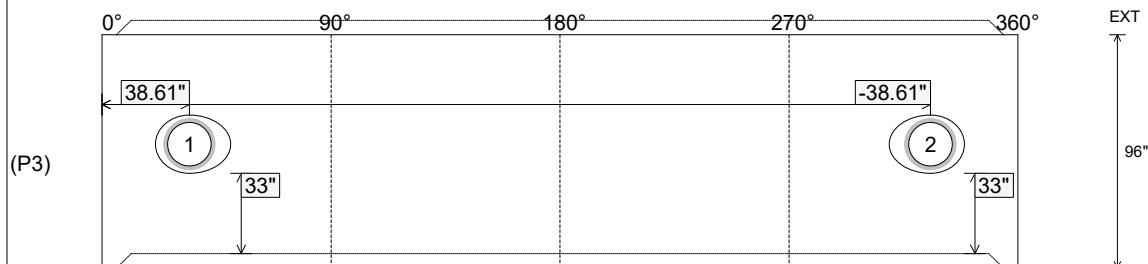
Rim: 642.5' Rim to Invert: 9.85' Slack: 0.2" Sump: 162" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	632.65'	0°	37.754"	18" HDPE	21.2"	Hole 24	24"	30.947"	33"	36"
Invert 2	632.65'	0°	-37.754"	18" HDPE	21.2"	Hole 24	24"	30.947"	33"	-36"
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): 96"
Height (Ext): 96"

Weight (Net): 35438 lb
Volume (Net): 9.05cu.yd

Job Name: 26-1800 - Georgetown Community Park
Job Location: Georgetown, IN
Contractor: Song Construction

Plant: 100

7/24/2026 12:15:26 PM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: San. MH 2 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE - 30"
P1) 48" - MH BASE Custom Ht - 33"
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) CASTING - HOE MC-375 F/C Sanitary
1) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
1) PSX - 12-08 NYLO
5) MH Step ML-10-TDS-NCR - 10"

- 0 lb
2050 lb
3588 lb
0 lb
1440 lb
0 lb
271 lb
0 lb
0 lb
8 lb
0 lb
0 lb
- Structure Notes:**
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

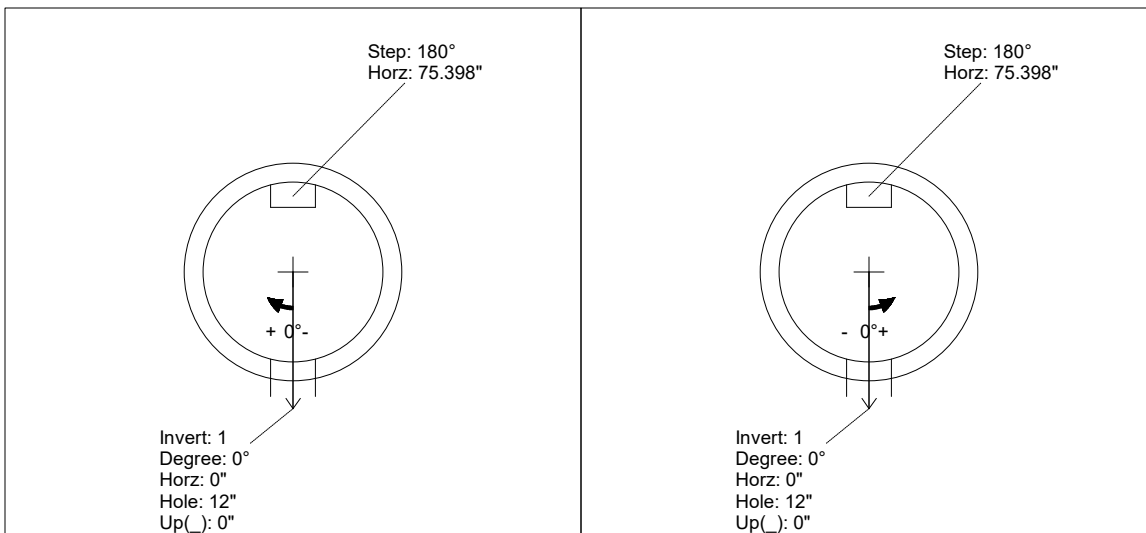
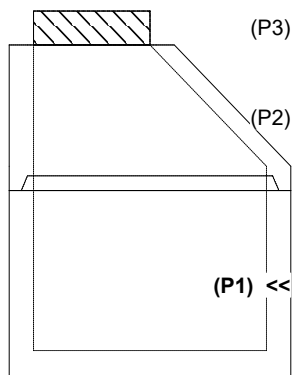
Structure Total: 7357 lb

Rim: 703.29' Rim to Invert: 5.67' Slack: 0.04" Sump: 2" Step Position: 180°

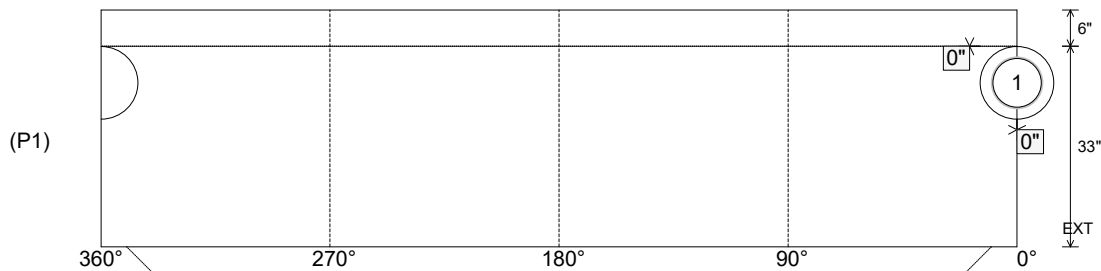
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	697.62'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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): 33"
Height (Ext): 39"

Weight (Net): 3588 lb
Volume (Net): 0.92cu.yd

Job Name: 26-1800 - Georgetown Community Park

Job Location: Georgetown, IN

Contractor: Song Construction

Plant: 100

7/24/2026 12:15:26 PM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: San. MH 2 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - ECC CONE w/ 24" HOLE - 30"

P1) 48" - MH BASE Custom Ht - 33"

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

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

1) 48" - Conseal CS-102 1.00" (Double)

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

1) PSX - 12-08 NYLO

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

0 lb

2050 lb

3588 lb

0 lb

1440 lb

0 lb

271 lb

0 lb

0 lb

8 lb

0 lb

Structure Total: 7357 lb

Structure Notes:

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

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

INVERT CHANNEL DRAWING

FULL HEIGHT INVERT

Rim: 703.29'

Rim to Invert: 5.67'

Slack: 0.04"

Sump: 2"

Step Position: 180°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	697.62'	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)

(P3)

(P2)

(P1) <<

Step: 180°

Horz: 75.398"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 12"

Up(): 0"

Step: 180°

Horz: 75.398"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 12"

Up(): 0"

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

6"

33"

EXT

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): 3588 lb

Volume (Net): 0.92cu.yd

Job Name: 26-1800 - Georgetown Community Park
Job Location: Georgetown, IN
Contractor: Song Construction

Plant: 100

7/24/2026 12:15:26 PM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: San. MH 1 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE - 30"
P1) 48" - MH BASE Custom Ht - 34"
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
1) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 12-08 NYLO
5) MH Step ML-10-TDS-NCR - 10"

- 0 lb
2050 lb
3610 lb
0 lb
0 lb
1440 lb
271 lb
0 lb
0 lb
0 lb
16 lb
0 lb
- Structure Notes:**
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

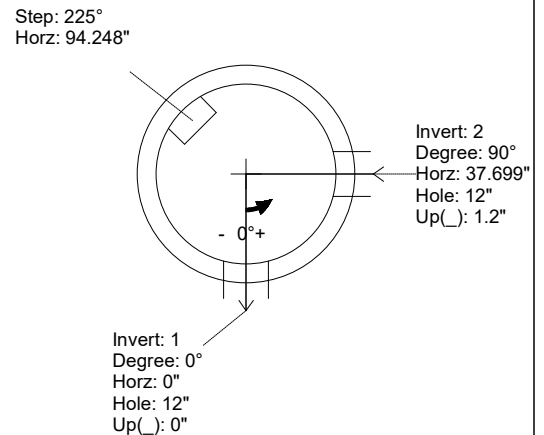
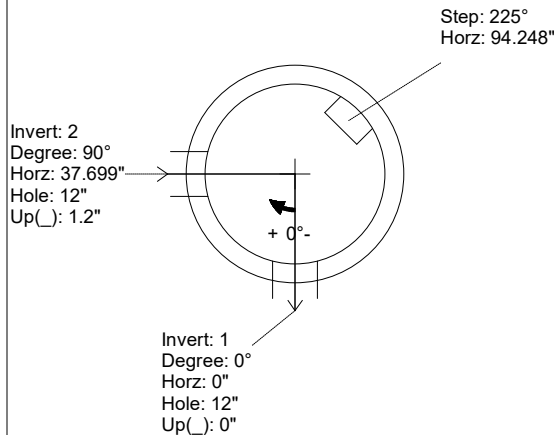
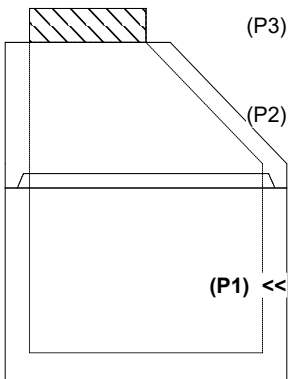
Structure Total: 7387 lb

Rim: 699.43' Rim to Invert: 5.77' Slack: 0.24" Sump: 2" Step Position: 225°

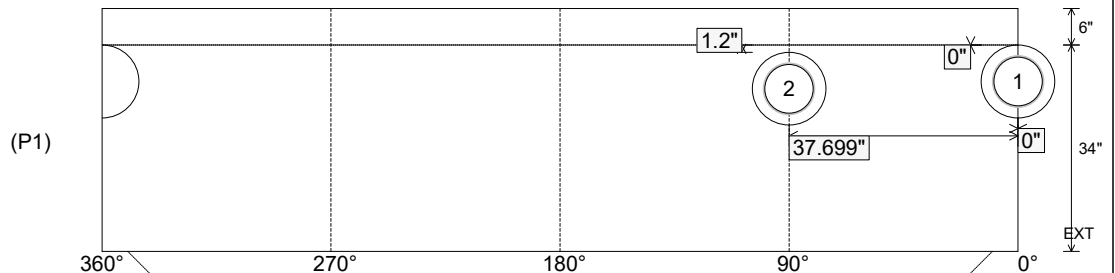
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	693.66'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	693.76'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 34"
Height (Ext): 40"

Weight (Net): 3610 lb
Volume (Net): 0.92cu.yd

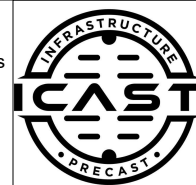
Job Name: 26-1800 - Georgetown Community Park
Job Location: Georgetown, IN
Contractor: Song Construction

Plant: 100

7/24/2026 12:15:26 PM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: San. MH 1 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE - 30"
P1) 48" - MH BASE Custom Ht - 34"
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
1) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 12-08 NYLO
5) MH Step ML-10-TDS-NCR - 10"

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

Structure Total: 7387 lb

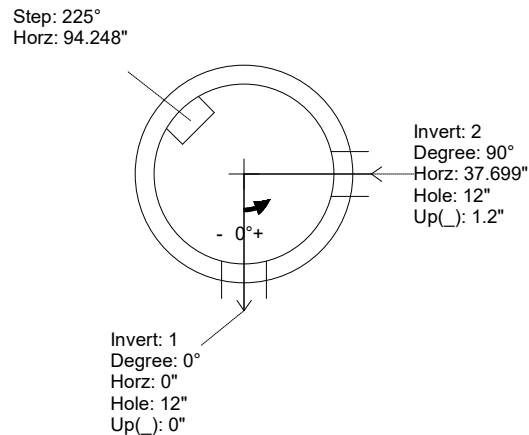
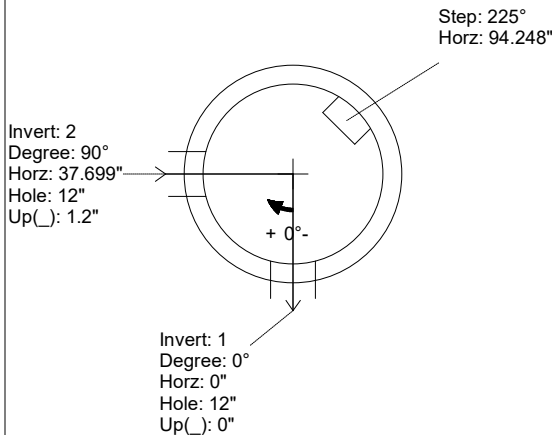
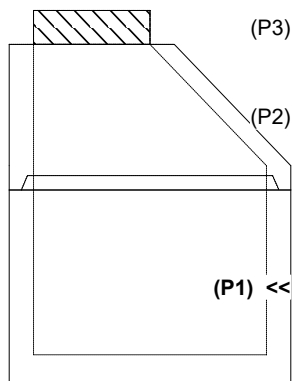
**INVERT CHANNEL DRAWING
FULL HEIGHT INVERT**

Rim: 699.43' Rim to Invert: 5.77' Slack: 0.24" Sump: 2" Step Position: 225°

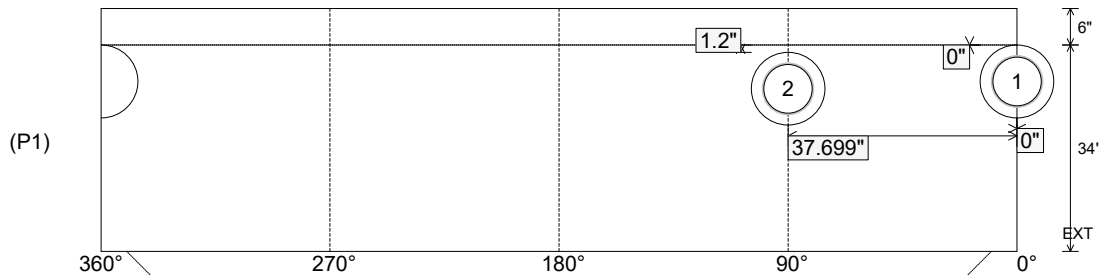
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	693.66'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	693.76'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 34"
Height (Ext): 40"

Weight (Net): 3610 lb
Volume (Net): 0.92cu.yd

Job Name: 26-2270 - Walmart #299 Fuel Station

Job Location: Bowling Green, KY

Contractor: Stewart Richey

Plant: 100

8/10/2026 2:19:41 PM

Tech: Jared - F

PC: T. Lewis



Structure ID: S5 SS-MHDH

P2 MH048DHVF

MH DH RISER Custom Ht T/F

P4) 24" - CASTING HEIGHT - 7"

P3) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"

P2) 48" - MH DH RISER Custom Ht T/F - 34"

P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"

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

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

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

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

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

2) DOGHOUSE - 12"x16"

1) PSX - 8QRS-S NYLO

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

0 lb

1561 lb

2209 lb

0 lb

0 lb

0 lb

271 lb

0 lb

0 lb

0 lb

6 lb

0 lb

Structure Total: 4047 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 BGMU SANITARY).

REINFORCING PER ASTM A615 (GRADE 60).

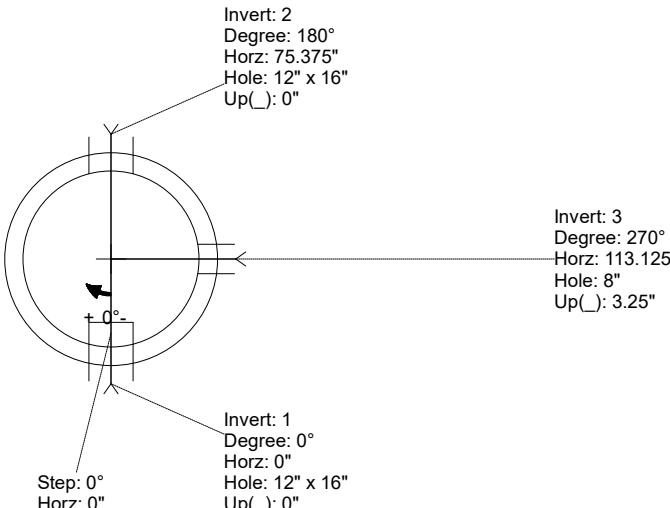
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..

- RISER/WALLS (As .18)

Rim: 547.89' Rim to Invert: 4.11' Slack: 0.349" Sump: 4.029" Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	543.78'	0°	0"	8" PVC SCH40	8.625"	DOGHOUSE 12"x16"	12" x 16"	12.129"	0"	0"
Invert 2	543.78'	180°	91.125"	8" PVC SCH40	8.625"	DOGHOUSE 12"x16"	12" x 16"	12.129"	0"	0"
Invert 3	543.88'	270°	136.625"	4" PVC SCH40	4.5"	PSX 8QRS-S NYLO	8"	8.038"	3.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

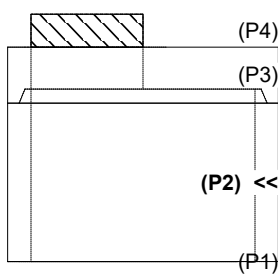


Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 12" x 16"
Up(_): 0"

Invert: 3
Degree: 270°
Horz: 113.125"
Hole: 8"
Up(_): 3.25"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 12" x 16"
Up(_): 0"

Step: 0°
Horz: 0"



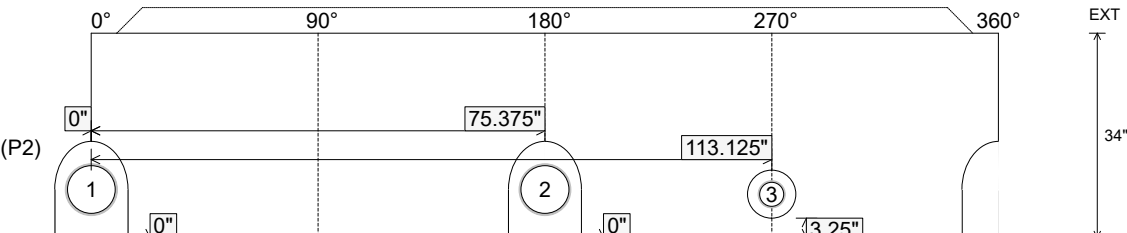
(P4)

(P3)

(P2) <<

(P1)

INSIDE WALL DIMENSIONS



0° 90° 180° 270° 360°

0" 75.375" 113.125" 3.25"

0" 0" 0" 0"

1 2 3

EXT 34"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Flat

Wall Thickness: 5"

Floor Height: 0"

Height (Int): 34"

Height (Ext): 34"

Weight (Net): 2209 lb

Volume (Net): 0.56cu.yd

Job Name: 26-2270 - Walmart #299 Fuel Station
Job Location: Bowling Green, KY
Contractor: Stewart Richey

Plant: 100

8/10/2026 11:47:13 AM

Tech: Jared - F

PC: T. Lewis



Structure ID: 1.5 ST-CI

P1 MH048BA30

MH BASE Custom Ht T/n

- P3) 24" x 34" - CASTING HEIGHT - 6.5"
P2) 48" - MH FLAT TOP w/24"x34" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 30"
1) CASTING - JBS 3080 SET (F/G/H)
1) 48" - Con Seal CS-102 1.00"
2) Hole - 22"
3) MH Step ML-10-TDS-NCR - 10"

Structure Total: 5435 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (JBS 3080 SET (F/G/H)).

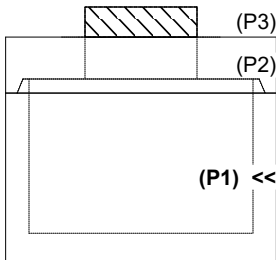
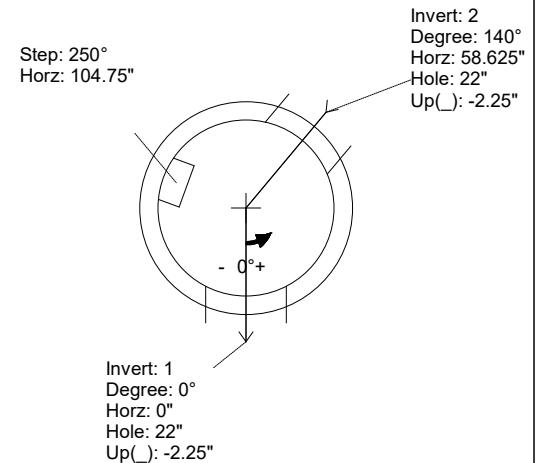
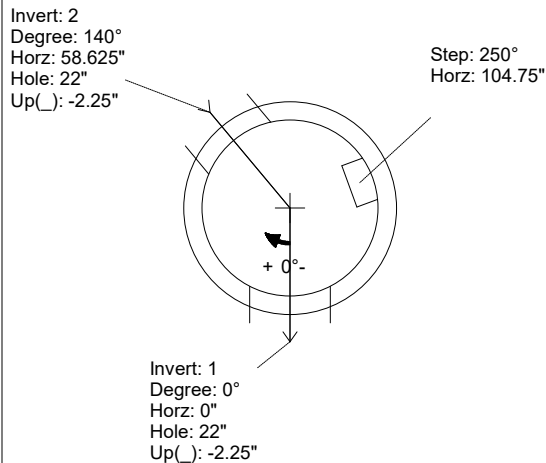
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 546.16' Rim to Invert: 4.18' Slack: 1.66' Sump: 0" Step Position: 250"

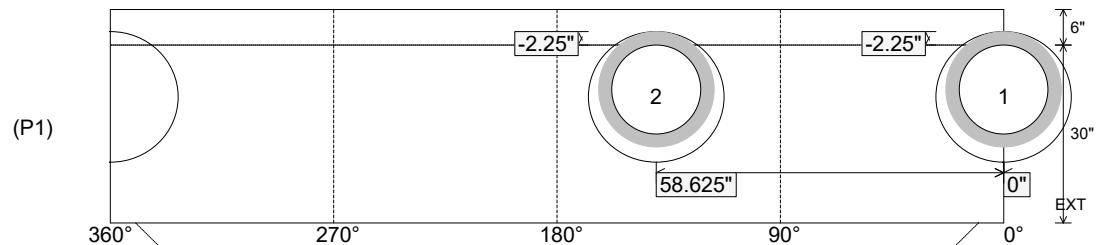
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	541.98'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2	541.98'	140°	70.875"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
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): 3097 lb
Volume (Net): 0.79cu.yd

Job Name: 26-2270 - Walmart #299 Fuel Station
Job Location: Bowling Green, KY
Contractor: Stewart Richey

Plant: 100

8/10/2026 11:48:42 AM

Tech: Jared - F

PC: T. Lewis



Structure ID: 1.5 ST-CI

P2 MH048LD12S

MH FLAT TOP w/24"x34" Hole F/G

- P3) 24" x 34" - CASTING HEIGHT - 6.5"
P2) 48" - MH FLAT TOP w/24"x34" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 30"
1) CASTING - JBS 3080 SET (F/G/H)
1) 48" - Conseal CS-102 1.00"
2) Hole - 22
3) MH Step ML-10-TDS-NCR - 10"

Structure Total:

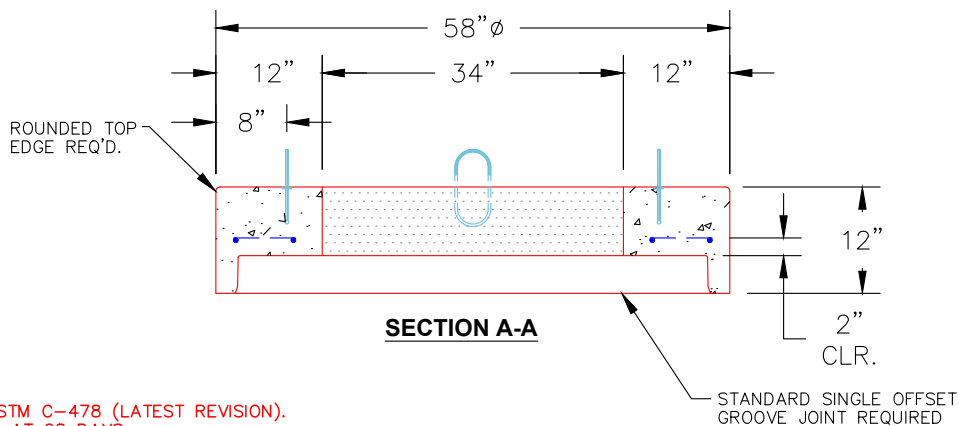
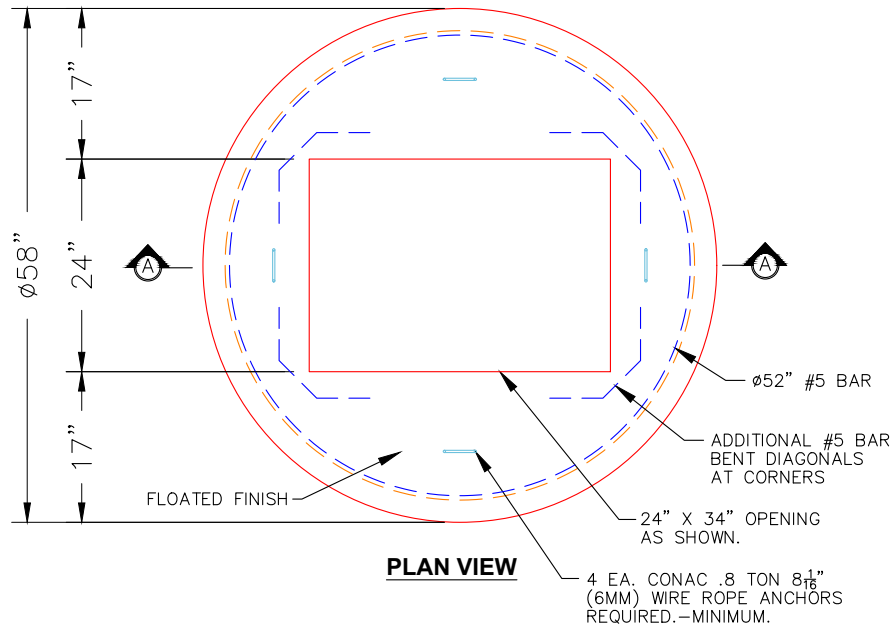
0 lb
1839 lb
3097 lb
500 lb
0 lb
0 lb
0 lb

5435 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (JBS 3080 SET (F/G/H)).

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.



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): 1839 lb
Volume (Net): 0.47cu.yd

Job Name: 26-2270 - Walmart #299 Fuel Station Job Location: Bowling Green, KY Contractor: Stewart Richey					Plant: 100		Tech: Jared - F			
					8/10/2026 11:47:13 AM		PC: T. Lewis			
Structure ID: 1.3 ST-CI										
P1 MH048BAVF			MH BASE Custom Ht T/n							
P3) 24" x 34" - CASTING HEIGHT - 6.5" P2) 48" - MH FLAT TOP w/24"x34" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 41" 1) CASTING - JBS 3080 SET (F/G/H) 1) 48" - Conseal CS-102 1.00" 2) Hole - 22 1) Hole - 20 3) MH Step ML-10-TDS-NCR - 10"					0 lb 1839 lb 3726 lb 500 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 6064 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (JBS 3080 SET (F/G/H)). . 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: 546.25' Rim to Invert: 4.98' Slack: 0.26" Sump: 0" Step Position: 248°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	541.27'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2	541.52'	85°	43"	12" RCP B WALL	16"	Hole 20	20"	20.629"	1"	0"
Invert 3	541.27'	136°	73.875"	15" RCP B WALL	19.5"	Hole 22	22"	23.578"	-2.25"	5"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 41"	Weight (Net): 3726 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 47"	Volume (Net): 0.95cu.yd

Job Name: 26-2270 - Walmart #299 Fuel Station
Job Location: Bowling Green, KY
Contractor: Stewart Richey

Plant: 100

8/10/2026 11:48:42 AM

Tech: Jared - F

PC: T. Lewis



Structure ID: 1.3 ST-CI

P2 MH048LD12S

MH FLAT TOP w/24"x34" Hole F/G

- P3) 24" x 34" - CASTING HEIGHT - 6.5"
P2) 48" - MH FLAT TOP w/24"x34" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 41"
1) CASTING - JBS 3080 SET (F/G/H)
1) 48" - Conseal CS-102 1.00"
2) Hole - 22
1) Hole - 20
3) MH Step ML-10-TDS-NCR - 10"

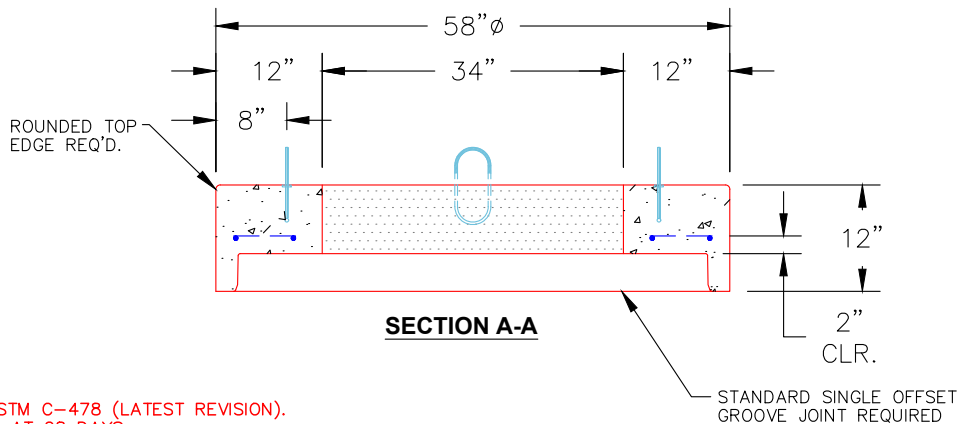
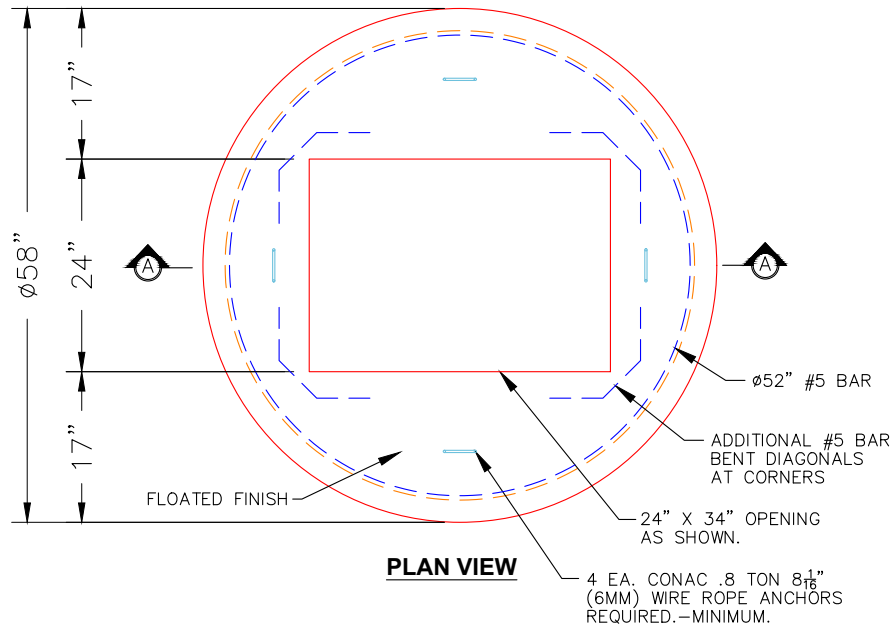
Structure Total:

0 lb
1839 lb
3726 lb
500 lb
0 lb
0 lb
0 lb
0 lb
0 lb
6064 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (JBS 3080 SET (F/G/H)).

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.



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): 1839 lb
Volume (Net): 0.47cu.yd

Job Name: 26-2270 - Walmart #299 Fuel Station
Job Location: Bowling Green, KY
Contractor: Stewart Richey

Plant: 100

8/10/2026 11:47:12 AM

Tech: Jared - F

PC: T. Lewis



Structure ID: 1.2 ST-CI

P1 MH048BAVF

MH BASE Custom Ht T/n

- P3) 24" x 34" - CASTING HEIGHT - 6.5"
P2) 48" - MH FLAT TOP w/24"x34" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 65"
1) CASTING - JBS 3080 SET (F/G/H)
1) 48" - Con Seal CS-102 1.00"
1) Hole - 26
1) Hole - 22
5) MH Step ML-10-TDS-NCR - 10"

0 lb
1839 lb
5473 lb
500 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 7812 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (JBS 3080 SET (F/G/H)).

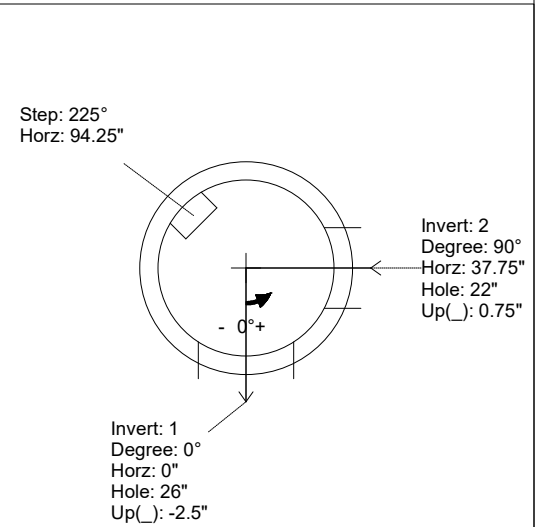
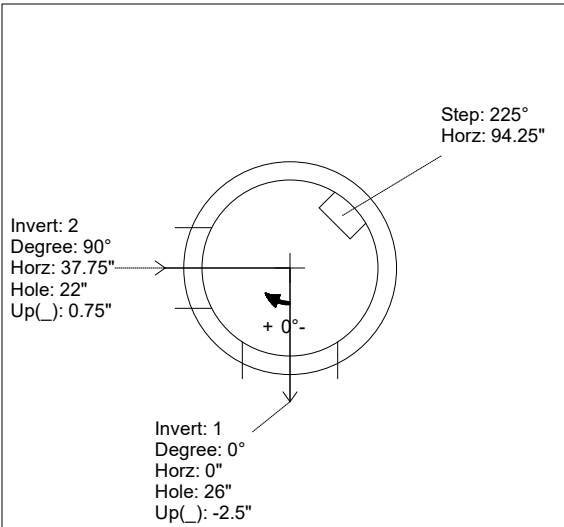
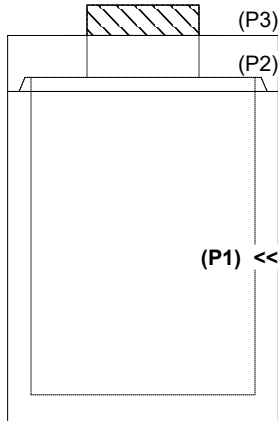
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 546.82' Rim to Invert: 6.98' Slack: 0.26" Sump: 0" Step Position: 225°

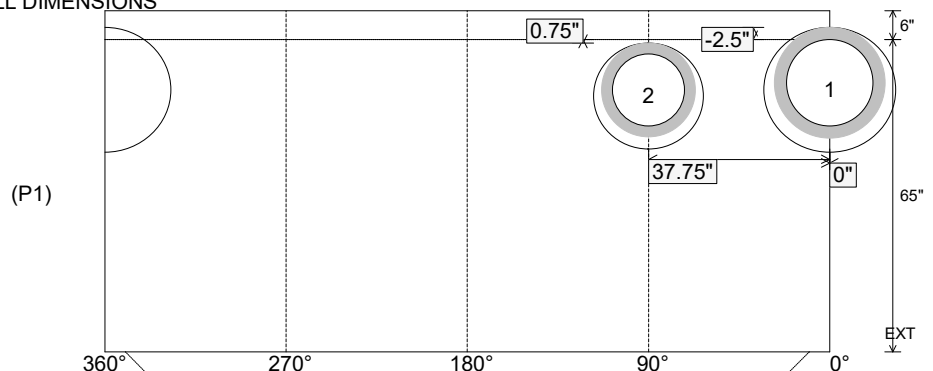
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	539.84'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 2	540.09'	90°	45.5"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	0.75"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
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: 5"
Floor Height: 6"

Height (Int): 65"
Height (Ext): 71"

Weight (Net): 5473 lb
Volume (Net): 1.4cu.yd

Job Name: 26-3076 ADS U of L New Health Building
Job Location: Louisville, KY
Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

8/5/2026 8:05:52 AM

Tech: S. Felletter

PC: T. Ryan



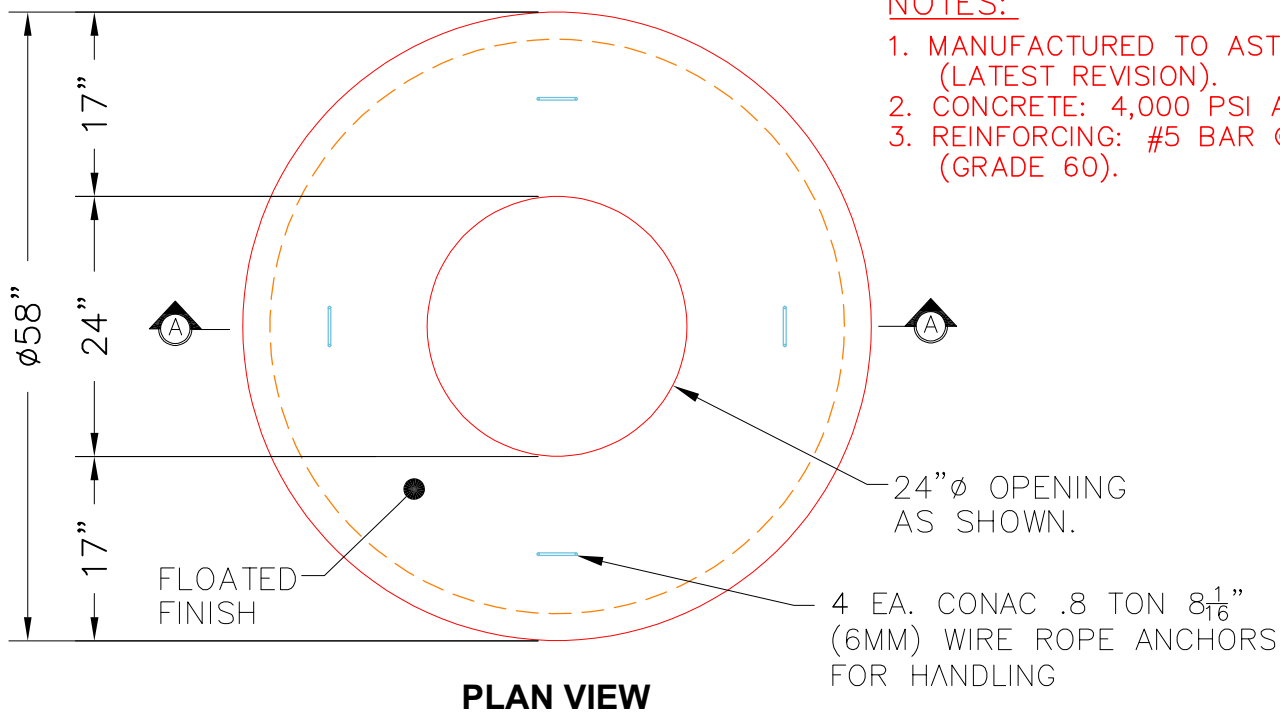
Structure ID: WQU-2

P6 MH048LD12CC

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

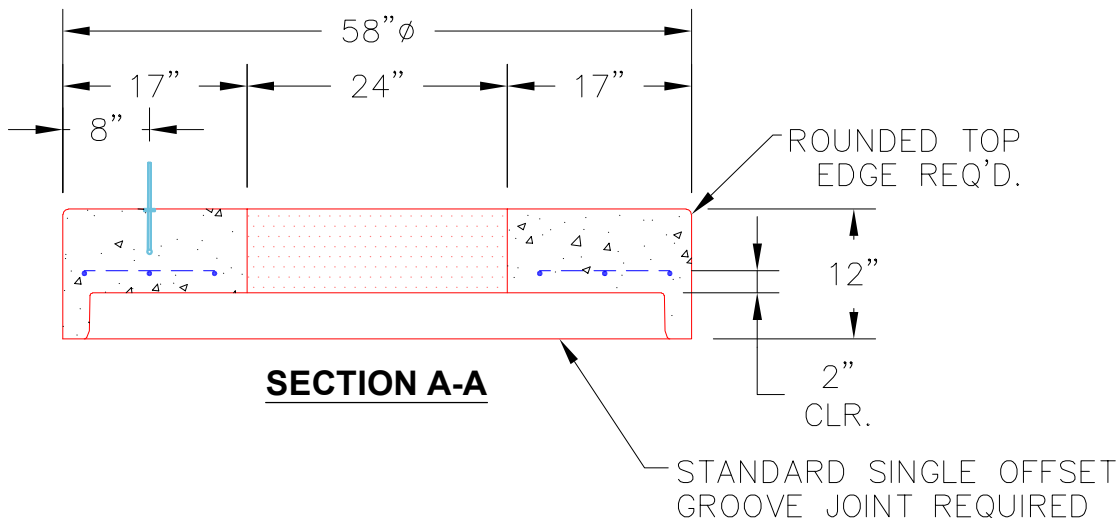
- P8) 24" - CASTING HEIGHT - 7"
P7) 24" - GRADE RING F/F - 3"
P6) 48" - MH FLAT LID w/24" Center Hole F/G - 12"
P5) 48" - MH RISER NO STEPS T/G - 18"
P4) 48" - MH RISER NO STEPS T/G - 60"
P3) 48" - MH RISER NO STEPS T/G - 72"
P2) 48" - MH RISER SPECIAL T/G - 72"
P1) 48" - MH BASE T/n - 24"
1) ASSEMBLY 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
5) 48" - Conseal CS-102 1.00" (Double)
2) 24" - Conseal CS-102 1.00" (Double)
2) Hole - 14

0 lb	Structure Notes:
202 lb	1. PER ASTM C478 SPECIFICATIONS.
1580 lb	2. CONCRETE = 4,000 PSI AT 28 DAYS.
1257 lb	3. CASTING BY ICAST (HOE MC-375 F/C "STORM").
4192 lb	4. LIFTING ANCHORS TO BE INSTALLED
5030 lb	ON THE OUTSIDE OF THE STRUCTURE.
4850 lb	
3007 lb	
0 lb	REINFORCING PER ASTM A615 (GRADE 60).
0 lb	- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
0 lb	- RISER/WALLS (As .12)
271 lb	- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
0 lb	
0 lb	
0 lb	
Structure Total:	20389 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).



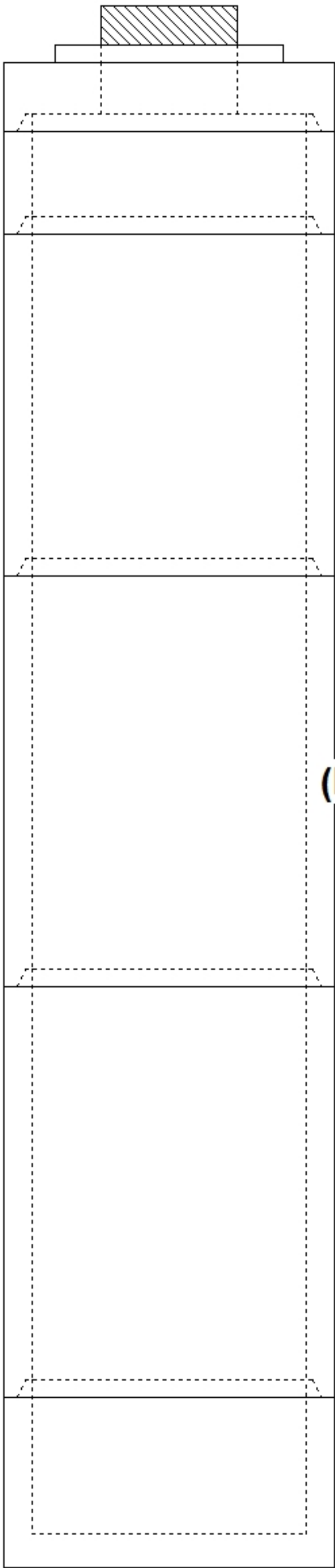
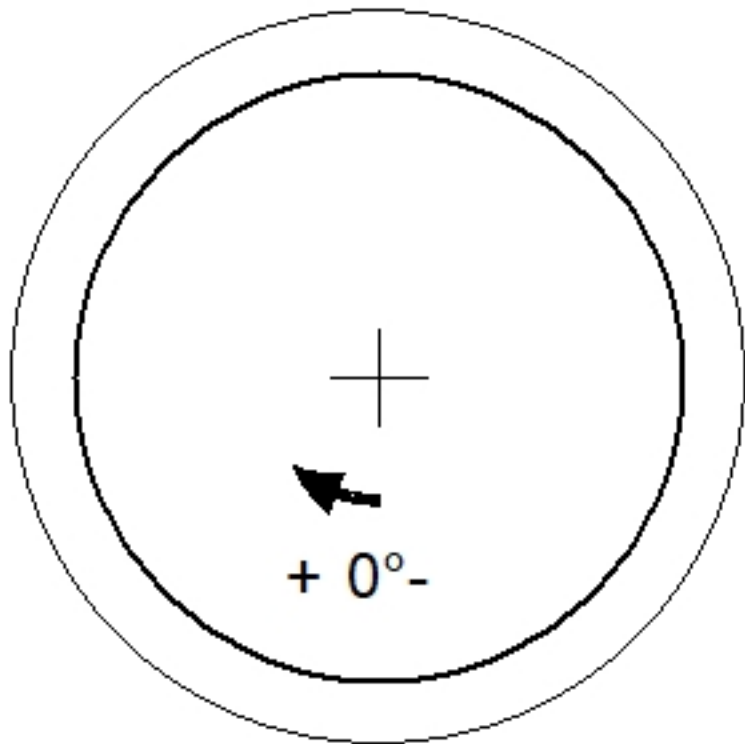
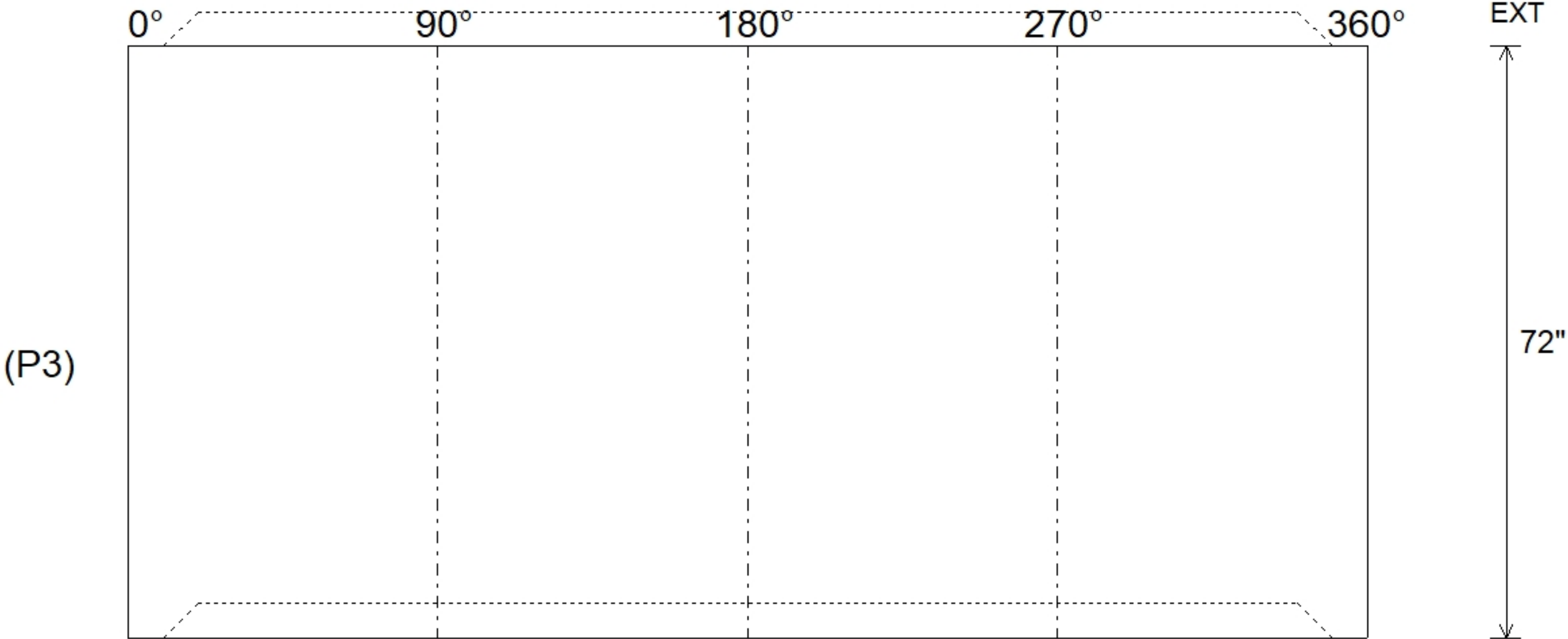
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

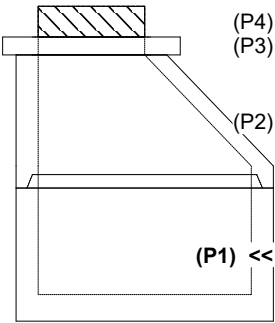
Wall Thickness: 5"

Height (Ext): 12"

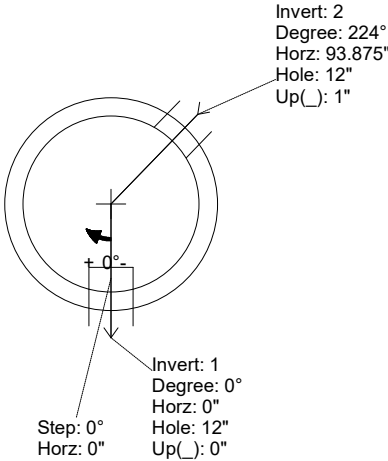
Weight (Net): 1580 lb
Volume (Net): 0.39cu.yd

Job Name: 26-3076 ADS U of L New Health Building Job Location: Louisville, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 8/5/2026 8:06:01 AM		Tech: S. Felletter PC: T. Ryan						
Structure ID: WQU-2													
P3		MH048RS72S		MH RISER NO STEPS T/G									
P8) 24" - CASTING HEIGHT - 7" P7) 24" - GRADE RING F/F - 3" P6) 48" - MH FLAT LID w/24" Center Hole F/G - 12" P5) 48" - MH RISER NO STEPS T/G - 18" P4) 48" - MH RISER NO STEPS T/G - 60" P3) 48" - MH RISER NO STEPS T/G - 72" P2) 48" - MH RISER SPECIAL T/G - 72" P1) 48" - MH BASE T/n - 24" 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 5) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) Hole - 14						0 lb 202 lb 1580 lb 1257 lb 4192 lb 5030 lb 4850 lb 3007 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 .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 460'		Rim to Invert: 15.54'		Slack: 0.2"		Sump: 81.72"		Structure Total: 20389 lb Step Position:					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (┘)	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)													
													
INSIDE WALL DIMENSIONS													
													
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 72" Height (Ext): 72"		Weight (Net): 5030 lb Volume (Net): 1.28cu.yd			

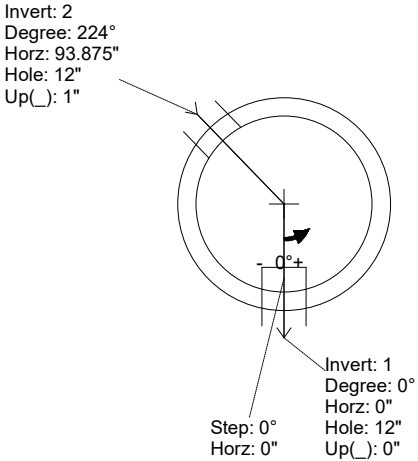
Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc				Plant: 100 7/23/2026 3:35:00 PM		Tech: Jared - F PC: T. Ryan				
Structure ID: MH28										
P1 MH048BA24		MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 4" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 4) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 2050 lb 2911 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 8 lb 8 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Structure Total: 6687 lb										
Rim: 1021.78' Rim to Invert: 5.33' Slack: 0.96" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1016.45'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1016.62'	224°	113.375"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



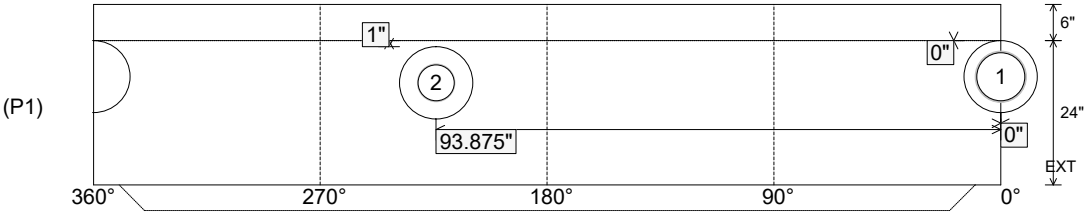
RIGHT-SIDE UP VIEW (int. dimensions)



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): 24" Height (Ext): 30"	Weight (Net): 2911 lb Volume (Net): 0.74cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:35:00 PM		PC: T. Ryan			
Structure ID: MH28										
P1 MH048BA24		MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 4" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 4) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2050 lb 2911 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 8 lb 8 lb 0 lb ----- Structure Total: 6687 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1021.78' Rim to Invert: 5.33' Slack: 0.96" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1016.45'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1016.62'	224°	113.375"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

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

Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:34:59 PM		PC: T. Ryan			
Structure ID: MH24										
P1 MH048BA30					MH BASE T/n					
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 4) PSX - 16M NYLO 6) MH Step ML-10-TDS-NCR - 10"					0 lb 3000 lb 1677 lb 3083 lb 0 lb 0 lb 1440 lb 0 lb 32 lb 0 lb ----- Structure Total: 9232 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1027.75' Rim to Invert: 8' Slack: 1" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1019.75'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1019.85'	90°	45.5"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 3	1019.85'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 4	1019.85'	270°	136.625"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	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): 30" Height (Ext): 36"	Weight (Net): 3083 lb Volume (Net): 0.79cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100 7/23/2026 3:34:59 PM		Tech: Jared - F PC: T. Ryan					
Structure ID: MH24												
P1 MH048BA30		MH BASE T/n										
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 4) PSX - 16M NYLO 6) MH Step ML-10-TDS-NCR - 10"						0 lb 3000 lb 1677 lb 3083 lb 0 lb 0 lb 1440 lb 0 lb 32 lb 0 lb ----- Structure Total: 9232 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1027.75' Rim to Invert: 8' Slack: 1" Sump: 2" Step Position: 0°												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	1019.75'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"		
Invert 2	1019.85'	90°	45.5"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"		
Invert 3	1019.85'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"		
Invert 4	1019.85'	270°	136.625"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"		
Invert 5												
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)

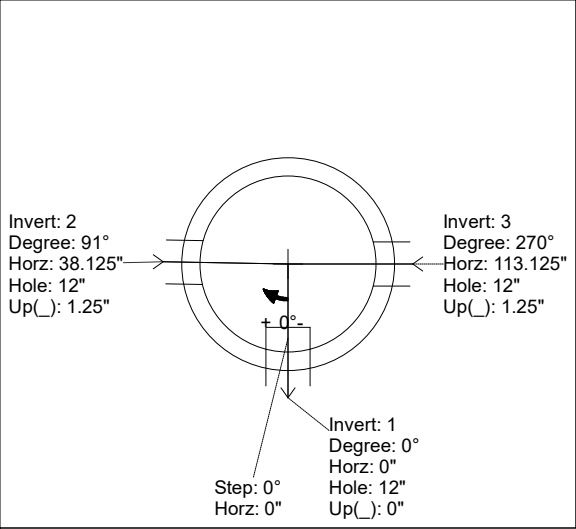
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

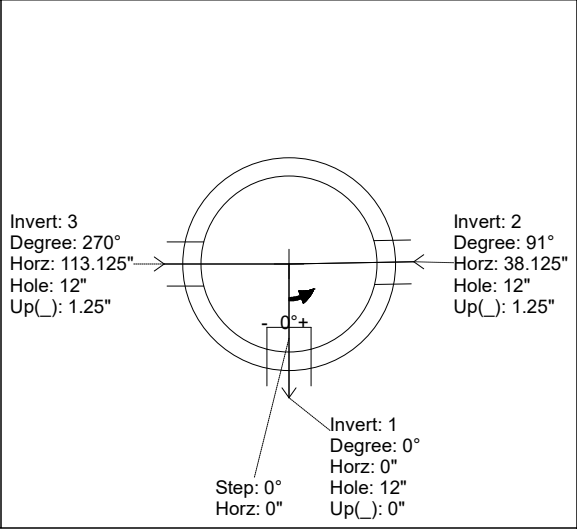
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3083 lb Volume (Net): 0.79cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100 7/23/2026 3:34:58 PM		Tech: Jared - F PC: T. Ryan				
Structure ID: MH23											
P1 MH048BA18		MH BASE T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 3353 lb 2444 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 8811 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1029.25' Rim to Invert: 8' Slack: 1" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1021.25'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	1021.35'	91°	46"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"	
Invert 3	1021.35'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

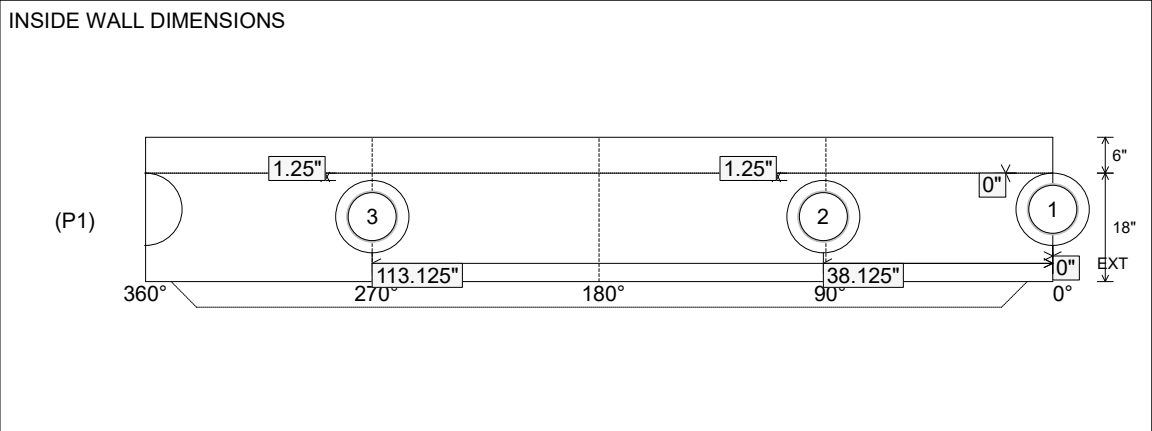
RIGHT-SIDE UP VIEW (int. dimensions)



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): 18" Height (Ext): 24"	Weight (Net): 2444 lb Volume (Net): 0.62cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:34:58 PM		PC: T. Ryan			

Structure ID: MH23
P1 MH048BA18

MH BASE T/n

P4) 24" - CASTING HEIGHT - 7"
 P3) 48" - ECC CONE w/ 24" HOLE F/G - 24"
 P2) 48" - MH RISER T/G - 48"
 P1) 48" - MH BASE T/n - 18"
 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
 2) 48" - Conseal CS-102 1.00" (Double)
 1) 24" - Conseal CS-102 1.00" (Double)
 3) PSX - 12-08 NYLO
 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 1550 lb
 3353 lb
 2444 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 0 lb
 24 lb
 0 lb

 Structure Total: 8811 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY).
 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: 1029.25'

Rim to Invert: 8'

Slack: 1"

Sump: 2"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1021.25'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1021.35'	91°	46"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3	1021.35'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

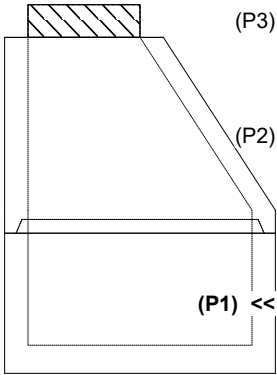
FOR INVERT ONLY

UPSIDE-DOWN VIEW (int. dimensions)

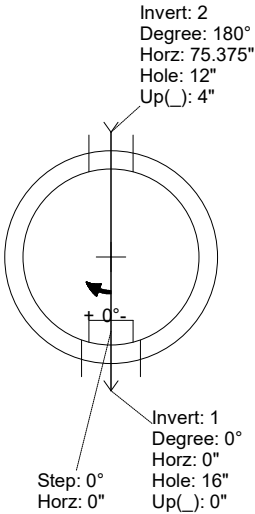
INSIDE WALL DIMENSIONS

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): 2444 lb Volume (Net): 0.62cu.yd
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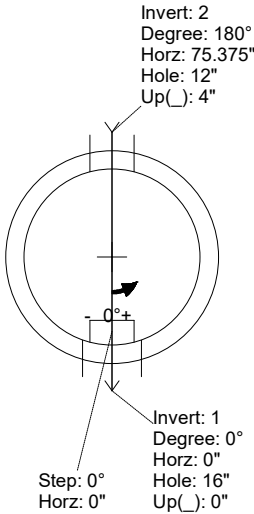
Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc				Plant: 100 7/23/2026 3:34:58 PM		Tech: Jared - F PC: T. Ryan				
Structure ID: MH22										
P1 MH048BA24		MH BASE T/n								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 16M NYLO 1) PSX - 12-08 NYLO 5) MH Step ML-10-TDS-NCR - 10" Structure Total: 7529 lb						0 lb 3200 lb 2873 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 8 lb 8 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1021.81' Rim to Invert: 6.08' Slack: 1.96" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1015.73'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1016.06'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	4"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



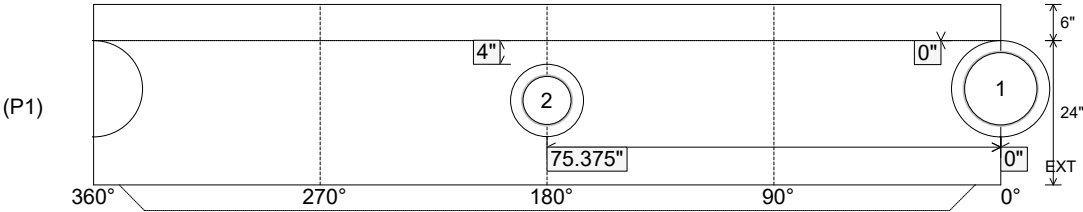
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

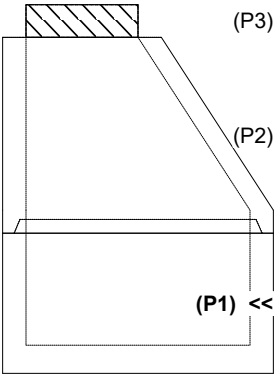


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2873 lb Volume (Net): 0.73cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc				Plant: 100 7/23/2026 3:34:58 PM		Tech: Jared - F PC: T. Ryan				
Structure ID: MH22										
P1 MH048BA24		MH BASE T/n								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 16M NYLO 1) PSX - 12-08 NYLO 5) MH Step ML-10-TDS-NCR - 10" Structure Total: 7529 lb						0 lb 3200 lb 2873 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 8 lb 8 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1021.81' Rim to Invert: 6.08' Slack: 1.96" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1015.73'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1016.06'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	4"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

FOR INVERT ONLY

Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 12"
Up(): 4"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): 0"

Step: 0°
Horz: 0"

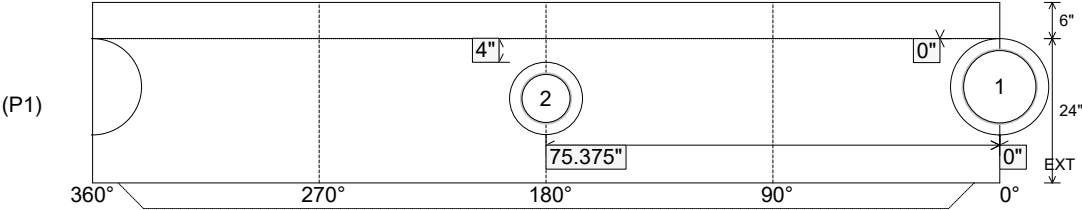
UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 12"
Up(): 4"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): 0"

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2873 lb Volume (Net): 0.73cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:34:57 PM		PC: T. Ryan			
Structure ID: MH21										
P1 MH048BA30			MH BASE T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 3" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 16M NYLO 4) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 2050 lb 3255 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 6963 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). . 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: 1020.34' Rim to Invert: 5.67' Slack: 0.04" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1014.67'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1014.77'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	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)

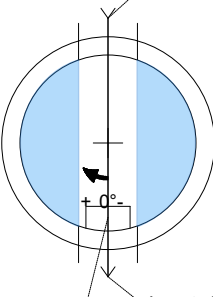
INSIDE WALL DIMENSIONS

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

Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100 7/23/2026 3:34:57 PM		Tech: Jared - F PC: T. Ryan				
Structure ID: MH21											
P1		MH048BA30		MH BASE T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 3" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 16M NYLO 4) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 2050 lb 3255 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 16 lb 0 lb ----- 6963 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1020.34' Rim to Invert: 5.67' Slack: 0.04" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1014.67'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"	
Invert 2	1014.77'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

FOR INVERT ONLY

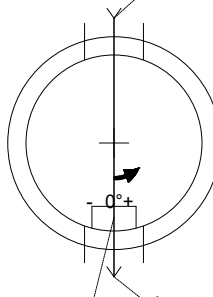
Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 16"
Up(): 1.25"



Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): 0"

Step: 0°
Horz: 0"

Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 16"
Up(): 1.25"



Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): 0"

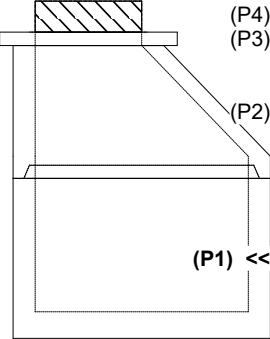
Step: 0°
Horz: 0"

(P4)

(P3)

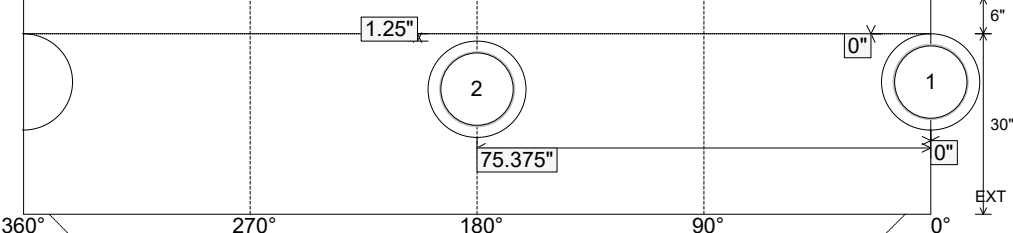
(P2)

(P1) <<



INSIDE WALL DIMENSIONS

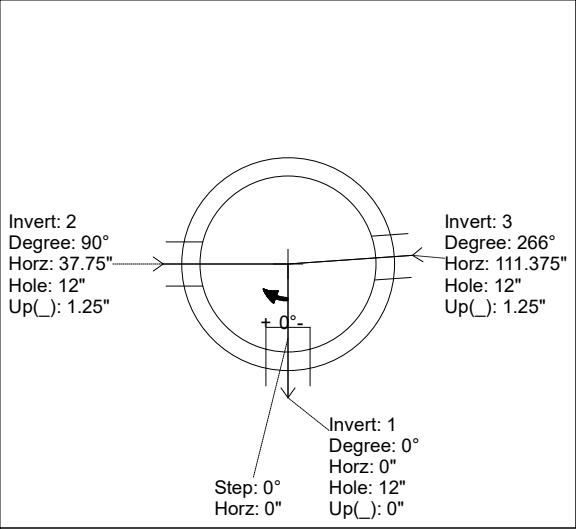
(P1)



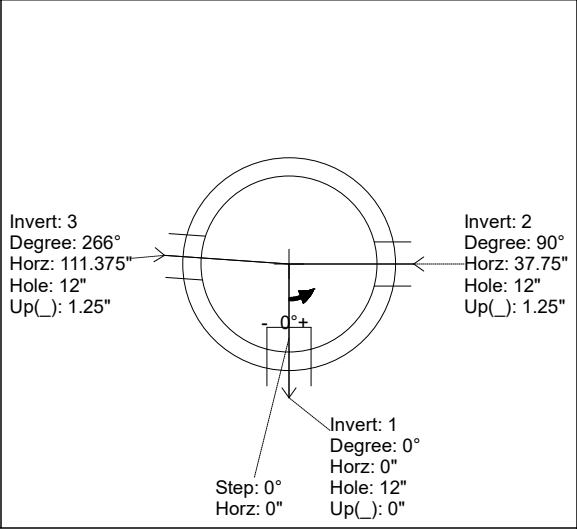
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3255 lb Volume (Net): 0.83cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100 7/23/2026 3:34:57 PM		Tech: Jared - F PC: T. Ryan			
Structure ID: MH20										
P1		MH048BA18		MH BASE T/n						
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 7) MH Step ML-10-TDS-NCR - 10" Structure Total: 8811 lb					0 lb 1550 lb 3353 lb 2444 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 24 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1035.75' Rim to Invert: 8' Slack: 1" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1027.75'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1027.85'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3	1027.85'	266°	134.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

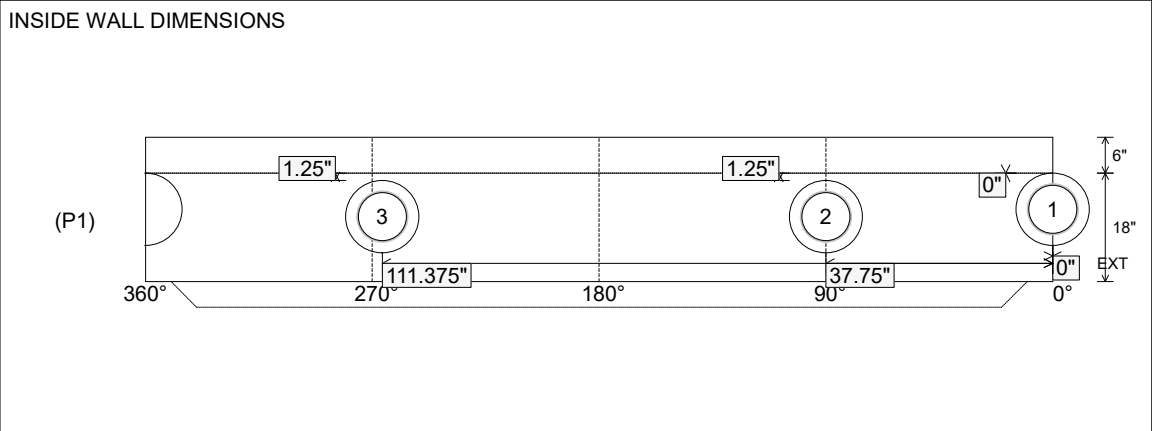
RIGHT-SIDE UP VIEW (int. dimensions)



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): 18" Height (Ext): 24"	Weight (Net): 2444 lb Volume (Net): 0.62cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:34:57 PM		PC: T. Ryan			
Structure ID: MH20										
P1 MH048BA18		MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 3353 lb 2444 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 8811 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1035.75' Rim to Invert: 8' Slack: 1" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1027.75'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1027.85'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3	1027.85'	266°	134.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

FOR INVERT ONLY

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): 2444 lb Volume (Net): 0.62cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:34:56 PM		PC: T. Ryan			
Structure ID: MH19										
P1 MH048BA30		MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 16M NYLO 1) PSX - 12-08 NYLO 6) MH Step ML-10-TDS-NCR - 10"					0 lb 3000 lb 1677 lb 3121 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 24 lb 8 lb 0 lb ----- Structure Total: 9269 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1029' Rim to Invert: 8' Slack: 1" Sump: 2" Step Position: 0"										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1021'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1021.33'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	4"	0"
Invert 3	1021.1'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 4	1021.1'	270°	136.625"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	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): 30" Height (Ext): 36"	Weight (Net): 3121 lb Volume (Net): 0.8cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:34:56 PM		PC: T. Ryan			
Structure ID: MH19										
P1 MH048BA30		MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 16M NYLO 1) PSX - 12-08 NYLO 6) MH Step ML-10-TDS-NCR - 10"					0 lb 3000 lb 1677 lb 3121 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 24 lb 8 lb 0 lb ----- Structure Total: 9269 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1029' Rim to Invert: 8' Slack: 1" Sump: 2" Step Position: 0"										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1021'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1021.33'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	4"	0"
Invert 3	1021.1'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 4	1021.1'	270°	136.625"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

	RIGHT-SIDE UP VIEW (int. dimensions)	UPSIDE-DOWN VIEW (int. dimensions)
	FOR INVERT ONLY	
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): 3121 lb Volume (Net): 0.8cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:34:55 PM		PC: T. Ryan			
Structure ID: MH18 P1 MH048BA30 MH BASE T/n										
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING F/F - 4" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 16M NYLO 6) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 3000 lb 1677 lb 3255 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 9657 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1027.67' Rim to Invert: 8.33' Slack: 0.96" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1019.34'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1019.44'	270°	136.625"	12" PVC SDR35	12.5"	PSX 16M NYLO	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
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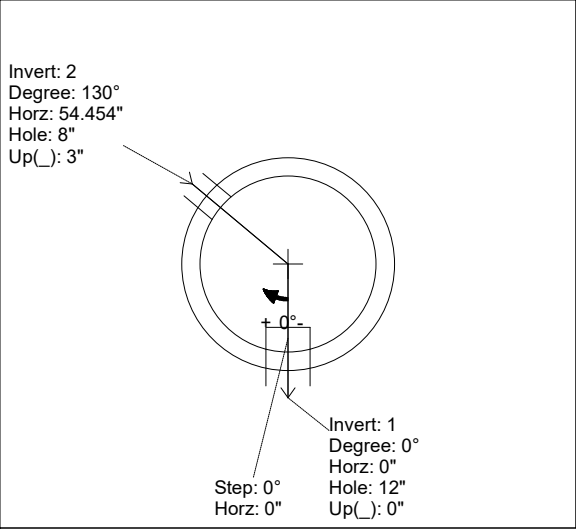
Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:34:55 PM		PC: T. Ryan			
Structure ID: MH18										
P1 MH048BA30			MH BASE T/n							
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING F/F - 4" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 16M NYLO 6) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 3000 lb 1677 lb 3255 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 9657 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS (HOE MC-350 F/C SANITARY). 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: 1027.67' Rim to Invert: 8.33' Slack: 0.96" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1019.34'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1019.44'	270°	136.625"	12" PVC SDR35	12.5"	PSX 16M NYLO	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)	
FOR INVERT ONLY			
INSIDE WALL DIMENSIONS			

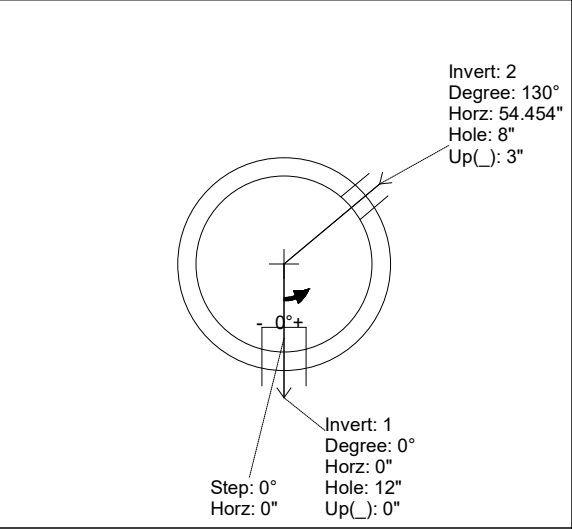
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3255 lb Volume (Net): 0.83cu.yd
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Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply				Plant: 100 7/24/2026 12:43:58 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH B5										
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) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 8QRS-S NYLO						0 lb 2050 lb 4565 lb 0 lb 0 lb 1440 lb 340 lb 0 lb 0 lb 0 lb 8 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.		
Structure Total: 8409 lb										
Rim: 844.75'		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	839.75'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	840'	130°	65.799"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	3"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

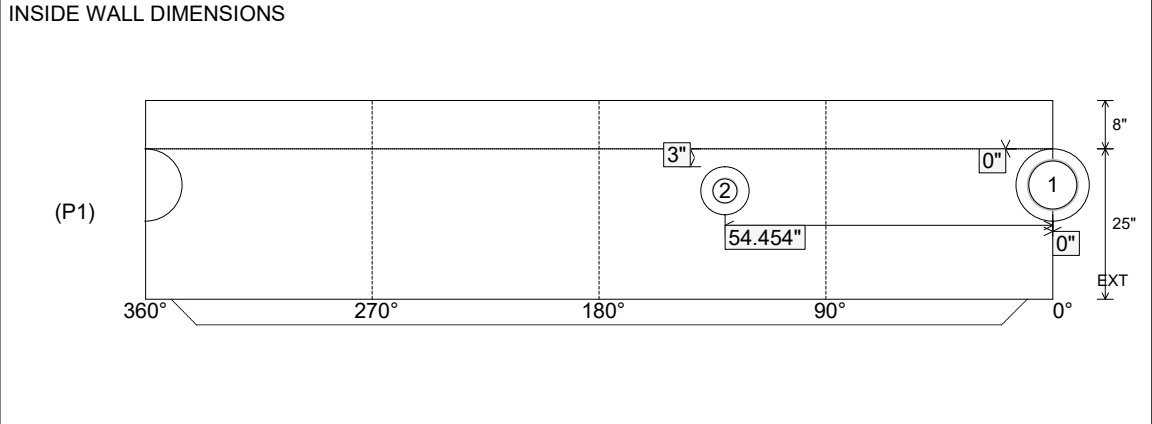
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



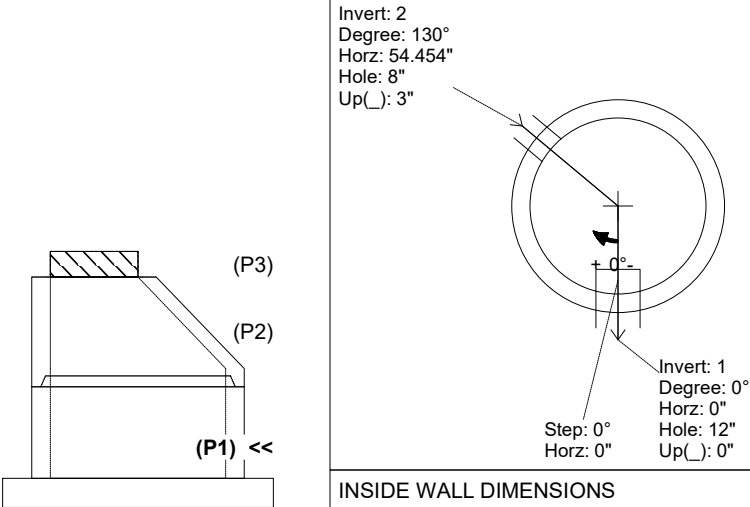
INSIDE WALL DIMENSIONS



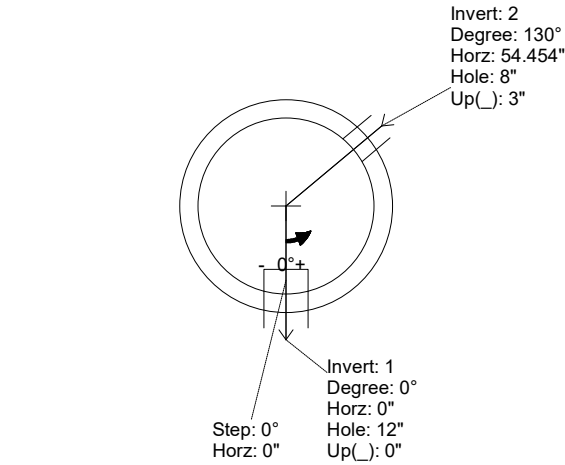
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 4565 lb Volume (Net): 1.17cu.yd
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Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:58 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH B5											
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) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 8QRS-S NYLO					0 lb 2050 lb 4565 lb 0 lb 0 lb 1440 lb 340 lb 0 lb 0 lb 8 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				
Structure Total: 8409 lb											
Rim: 844.75' 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	839.75'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	840'	130°	65.799"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	3"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

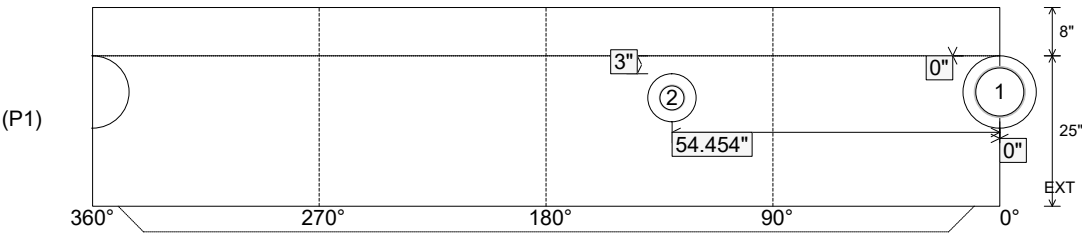
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

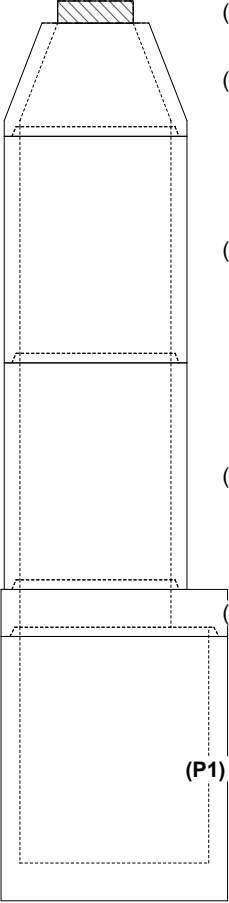


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 4565 lb Volume (Net): 1.17cu.yd
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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 1:21:41 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301556.5										
P1 MH060BAVF				MH BASE (12"F) Custom Ht T/n						
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 72" P3) 48" - MH RISER T/G - 72" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE (12"F) Custom Ht T/n - 72" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 3) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 21) MH Step ML-10-TDS-NCR - 10"				0 lb 2252 lb 5030 lb 5030 lb 2204 lb 10262 lb 2692 lb 0 lb 0 lb 2 lb 0 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: 763.2' Rim to Invert: 22.86' Slack: 3.32" Sump: 3" Step Position: 90°				Structure Total: 27472 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	740.34'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	740.44'	205°	128.75"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



(P6)

(P5)

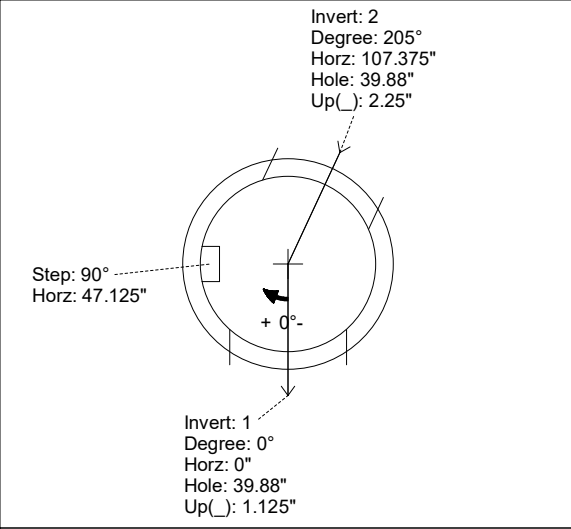
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

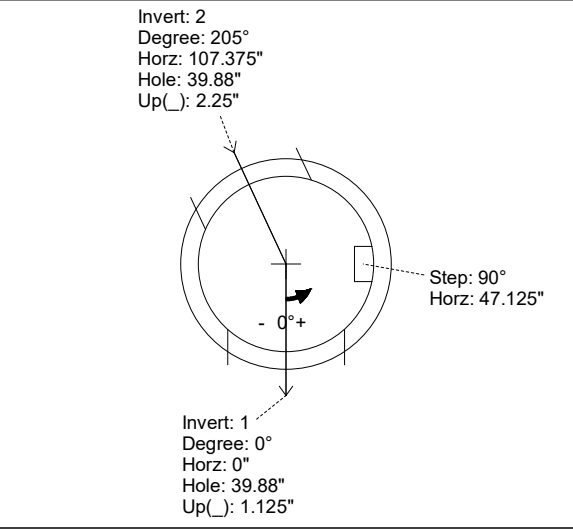


Invert: 2
Degree: 205°
Horz: 107.375"
Hole: 39.88"
Up(): 2.25"

Step: 90°
Horz: 47.125"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 39.88"
Up(): 1.125"

UPSIDE-DOWN VIEW (int. dimensions)

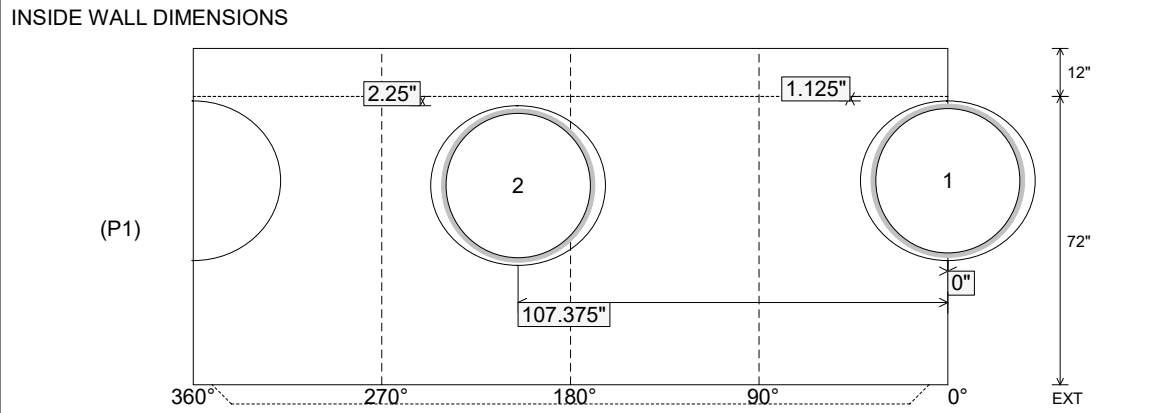


Invert: 2
Degree: 205°
Horz: 107.375"
Hole: 39.88"
Up(): 2.25"

Step: 90°
Horz: 47.125"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 39.88"
Up(): 1.125"

INSIDE WALL DIMENSIONS



(P1)

2

1

107.375"

2.25"

1.125"

0"

360° 270° 180° 90° 0°

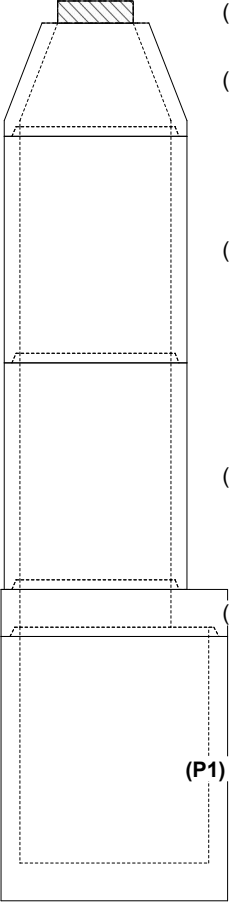
12"

72"

EXT

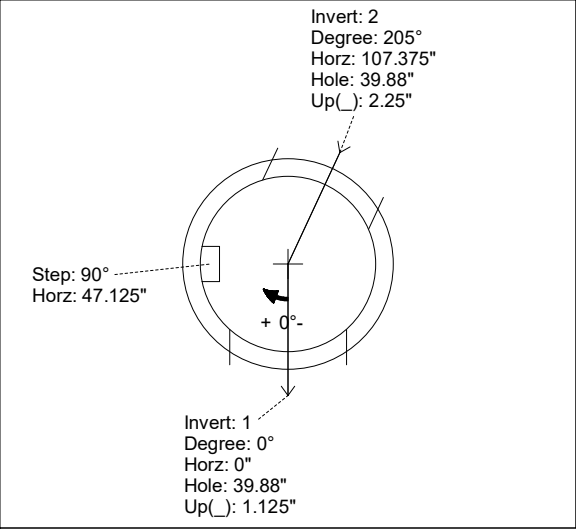
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 12"	Height (Int): 72" Height (Ext): 84"	Weight (Net): 10262 lb Volume (Net): 2.62cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting				Plant: 100 3/20/2026 1:21:41 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301556.5										
P1 MH060BAVF				MH BASE (12"F) Custom Ht T/n						
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 72" P3) 48" - MH RISER T/G - 72" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE (12"F) Custom Ht T/n - 72" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 3) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 21) MH Step ML-10-TDS-NCR - 10"				0 lb 2252 lb 5030 lb 5030 lb 2204 lb 10262 lb 2692 lb 0 lb 0 lb 2 lb 0 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: 763.2' Rim to Invert: 22.86' Slack: 3.32' Sump: 3' Step Position: 90°				Structure Total: 27472 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	740.34'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	740.44'	205°	128.75"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



(P6)
(P5)
(P4)
(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 205°
Horz: 107.375"
Hole: 39.88"
Up(): 2.25"

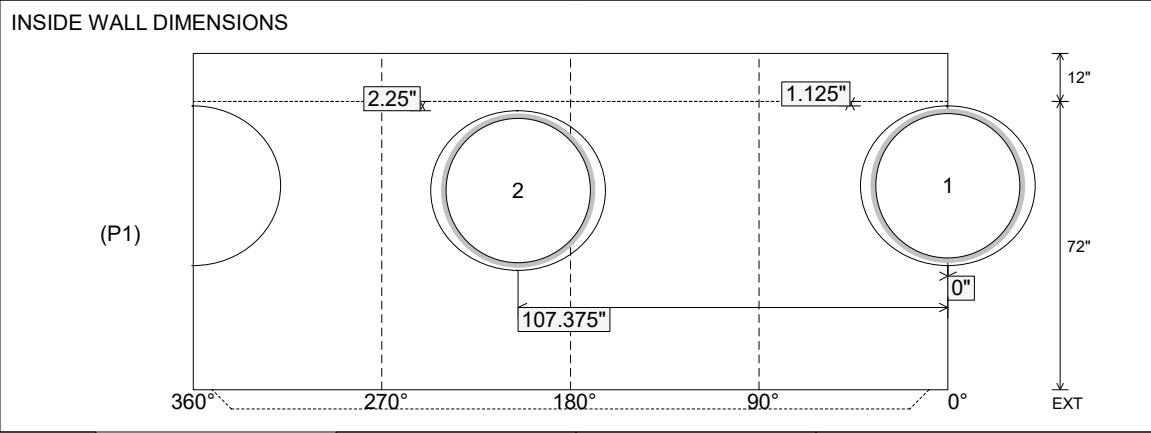
Step: 90°
Horz: 47.125"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 39.88"
Up(): 1.125"

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



(P1)

2.25" 1.125" 107.375" 0"

360° 270° 180° 90° 0°

12" 72" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 12"	Height (Int): 72" Height (Ext): 84"	Weight (Net): 10262 lb Volume (Net): 2.62cu.yd
----------------------------------	---------------------------------	---	--	---

Job Name: 26-1800 - Georgetown Community Park
Job Location: Georgetown, IN
Contractor: Song Construction

Plant: 100

7/24/2026 12:15:58 PM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: MH 1 ST-MH DH

P1 MH072MTVF-FB

MH MONOTOP (FB) w/24" Hole, Custom Ht

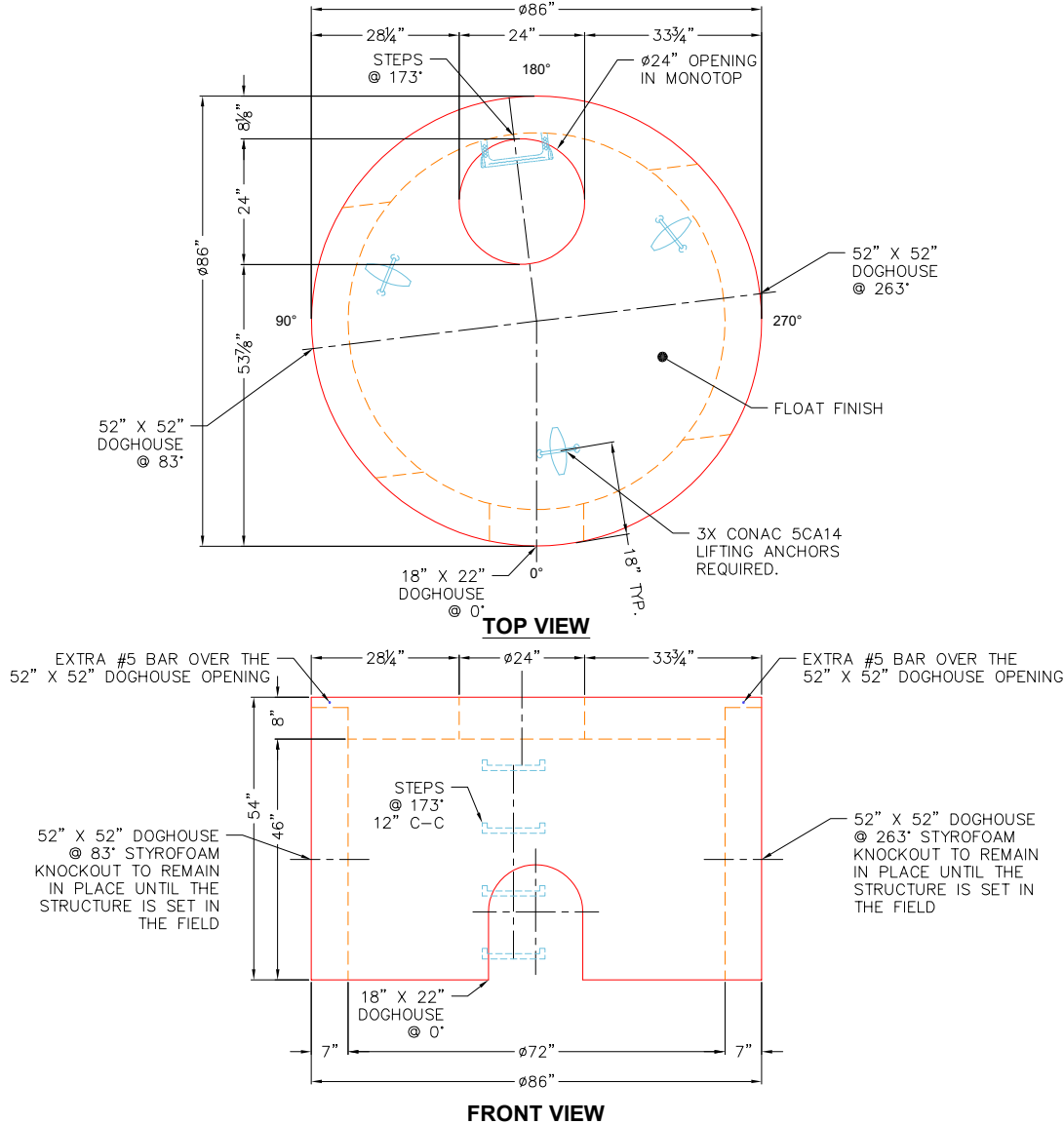
- P2) 24" - CASTING HEIGHT - 7"
P1) 72" - MH MONOTOP (FB) w/24" Hole, Custom Ht - 54"
1) CASTING - HOE MC-375 F/C Storm
1) 24" - Conseal CS-102 1.00"
2) DOGHOUSE - 52"x52"
1) DOGHOUSE - 18"x22"
5) MH Step ML-10-TDS-NCR - 10"

Structure Total: 7206 lb

- 0 lb
6935 lb
271 lb
0 lb
0 lb
0 lb
0 lb
0 lb
- Structure Notes:**
1. HOE MC-375 F/C STORM 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 (As .18)

Rim: 697.51' Rim to Invert: 5.01' Slack: 0.37" Sump: 0" Step Position: 173°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	692.5'	263°	197.379"	48" CMP	49"	DOGHOUSE 52"x52"	52" x 52"	58.105"	0"	0"
Invert 2	692.5'	0°	0"	12" HDPE	14.5"	DOGHOUSE 18"x22"	18" x 22"	18.193"	0"	0"
Invert 3	692.5'	83°	62.291"	48" CMP	49"	DOGHOUSE 52"x52"	52" x 52"	58.105"	0"	0"



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 7" Floor Height: 8"	Height (Int): 46" Height (Ext): 54"	Weight (Net): 6935 lb Volume (Net): 1.77cu.yd
----------------------------------	--------------------------------	--	--	--

Job Name: 24-4271C Lloyd 4U Tekoppel Ave Water Main Relocation
Job Location: Evansville, IN
Contractor: Blankenberger Brothers, Inc.

Plant: Beaver Dam
8/7/2026 11:12:49 AM

Tech: J. Copping
PC: A. Chambers



Structure ID: STR 30

P1 MH072BA84

MH BASE

P5) 24" - CASTING HEIGHT - 7"
P4) 24" - GRADE RING - 3"
P3) 72" - MH FLAT LID w/24in ECC Hole - 15"
P2) 72" - MH RISER - 84"
P1) 72" - MH BASE - 84"
2) 72" - Conseal CS-102 1.00"
2) 24" - Conseal CS-102 1.00"
2) Hole - 44"

Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. 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.
4. CASTING BY OTHERS.
5. THIS IS FOR THE BASE SECTION (P1) AND RISER (P2), AND GRADE RING (P4) ONLY. USE THE FLAT TOP (P3) THAT WAS PREVIOUSLY PROVIDED FOR STRUCTURE 32.

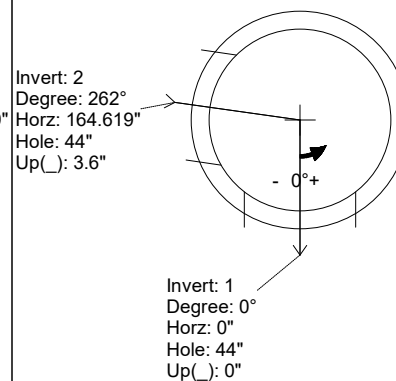
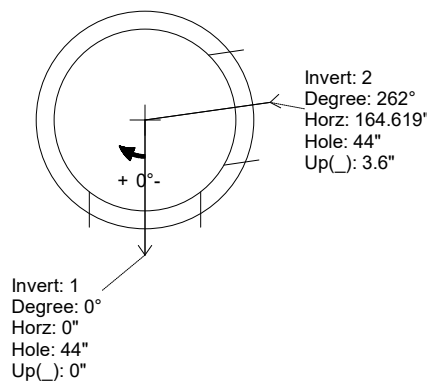
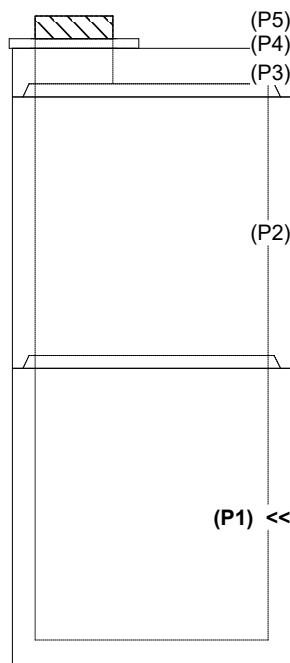
Structure Total: 31793 lb

Rim: 377.9' Rim to Invert: 16.11' Slack: 3.17' Sump: 2.85' Step Position:

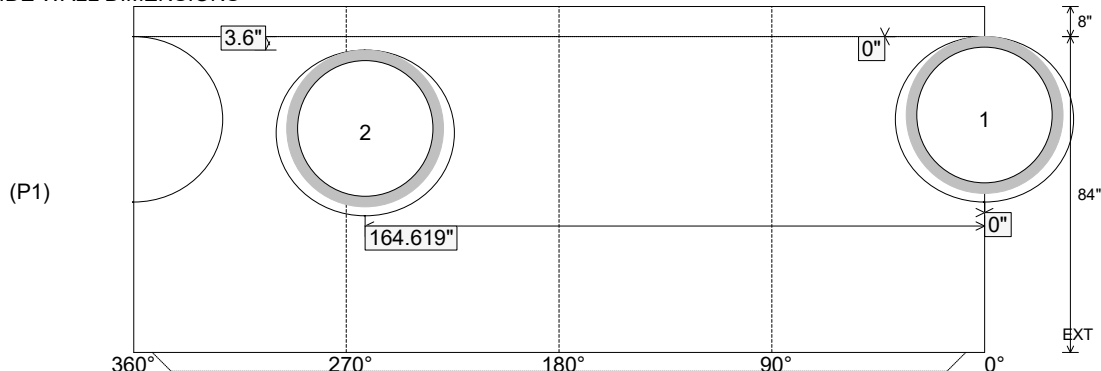
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	361.79'	0°	0"	36" HDPE	41.7"	Hole 44	44"	47.337"	0"	0"
Invert 2	362.09'	262°	196.629"	36" HDPE	41.7"	Hole 44	44"	47.337"	3.6"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 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: 7"
Floor Height: 8"

Height (Int): 84"
Height (Ext): 92"

Weight (Net): 14247 lb
Volume (Net): 3.64cu.yd



Weight (Net): 23846 lb
Volume (Net): 6.09cu.yd

Job Name: 26-1800 - Georgetown Community Park
Job Location: Georgetown, IN
Contractor: Song Construction

Plant: 100

7/24/2026 12:15:25 PM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: DI 1 ST-DCI

P1 BX2436-08BA42

BOX BASE 8inW, 8inF

- P2) 24" x 36" - CASTING HEIGHT - 6"
P1) 24" x 36" - BOX BASE 8inW, 8inF - 42"
1) CASTING - HOE 470 SET (F/G/H)
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 18"

Structure Total: 5833 lb

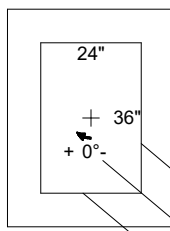
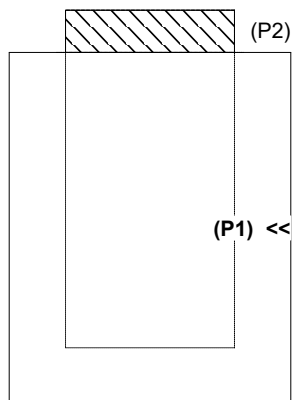
- Structure Notes:**
1. HOE 470 SET (F/G/H) PROVIDED BY ICAST.
 2. PER ASTM C913 SPECIFICATIONS.
 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 4. NO INVERT CHANNEL.
 5. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 697.27' Rim to Invert: 4' Slack: 1.25" Sump: 1.25" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	693.27'	310°	50.614"	12" HDPE	14.5"	Hole 18	18"	11.847", 13.884"	0"	6"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

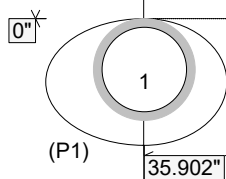
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 1
Degree: 310°
Horz: 35.902"
Hole: 18"
Up(): 0"

Invert: 1
Degree: 310°
Horz: 35.902"
Hole: 18"
Up(): 0"

INSIDE WALL DIMENSIONS



Left

Back (24")

Right (36")

Front

EXT

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): 5439 lb
Volume (Net): 1.39cu.yd

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

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:29:31 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 450

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

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

P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT - 18"

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

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

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

1) Hole - 20

2) Hole - 8

3398 lb

5270 lb

4485 lb

206 lb

0 lb

0 lb

0 lb

Structure Total: 13359 lb

Structure Notes:

** KYTC STATE PROJECT **

1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST.

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

3. REINFORCING PER ASTM A615 (GRADE 60).

- TOP PHASE (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.

4. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST

FRAME TO BE CAST INTO TOP PHASE TOP FLANGE

SIDE UP

Rim: 879.14'

Rim to Invert: 5.09'

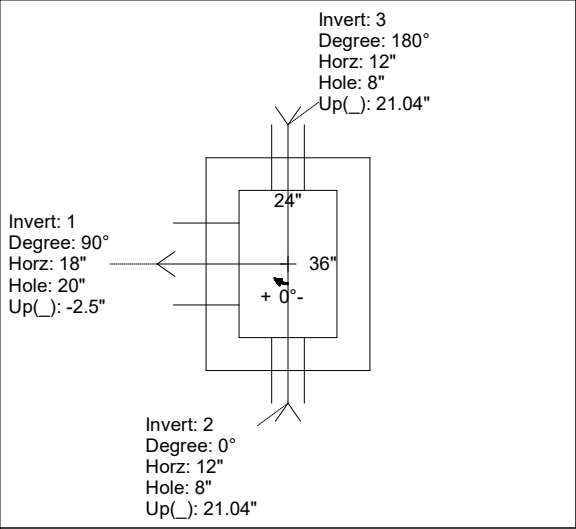
Slack: 0.08"

Sump: 0"

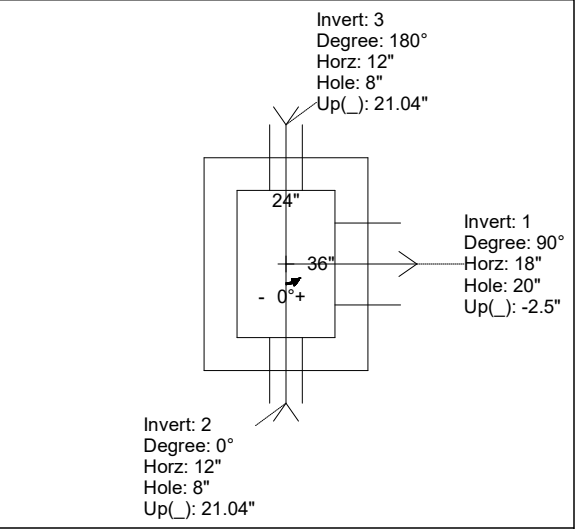
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	874.05'	90°	26"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	875.97'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 3	875.97'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

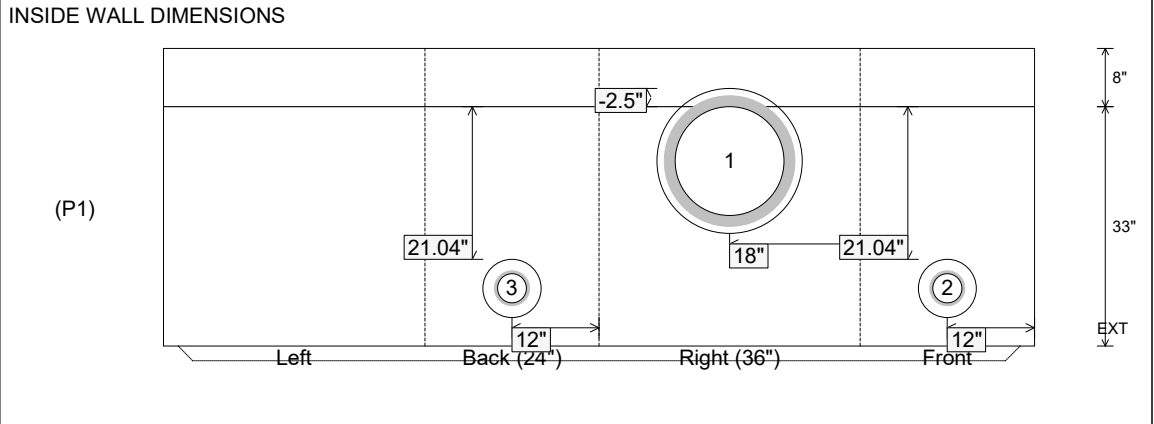
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 33"

Height (Ext): 41"

Weight (Net): 4485 lb

Volume (Net): 1.15cu.yd

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

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:29:29 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 451

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

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

P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT - 18"

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

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

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

1) Hole - 20

2) Hole - 8

3398 lb

5270 lb

4485 lb

206 lb

0 lb

0 lb

0 lb

Structure Total: 13359 lb

Structure Notes:

** KYTC STATE PROJECT **

1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST.

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

3. REINFORCING PER ASTM A615 (GRADE 60).

- TOP PHASE (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.

4. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST

FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP

Rim: 884.73'

Rim to Invert: 5.09'

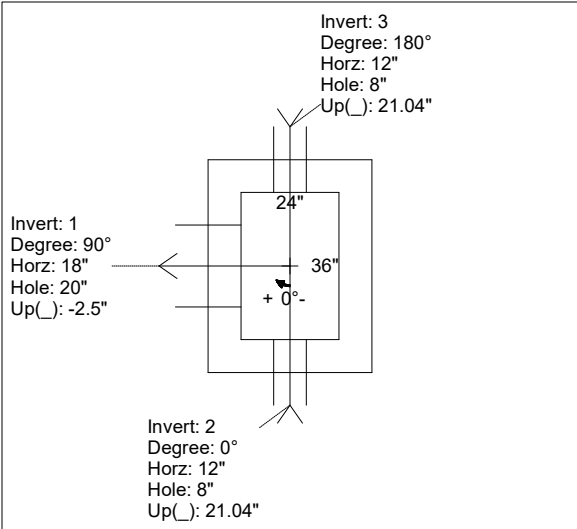
Slack: 0.08"

Sump: 0"

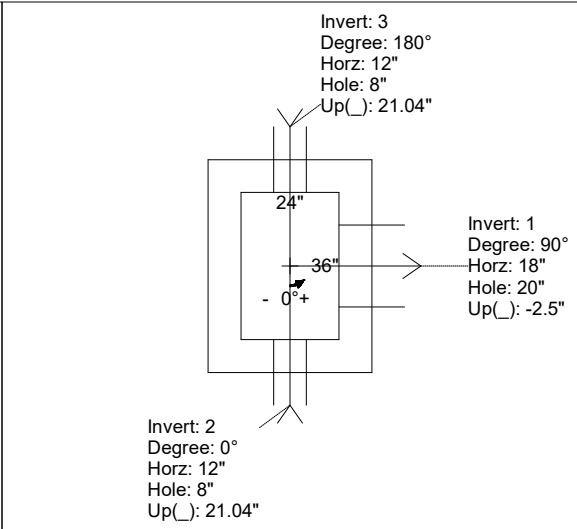
Step Position:

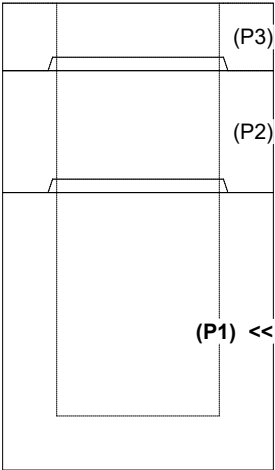
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	879.64'	90°	26"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	881.56'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 3	881.56'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

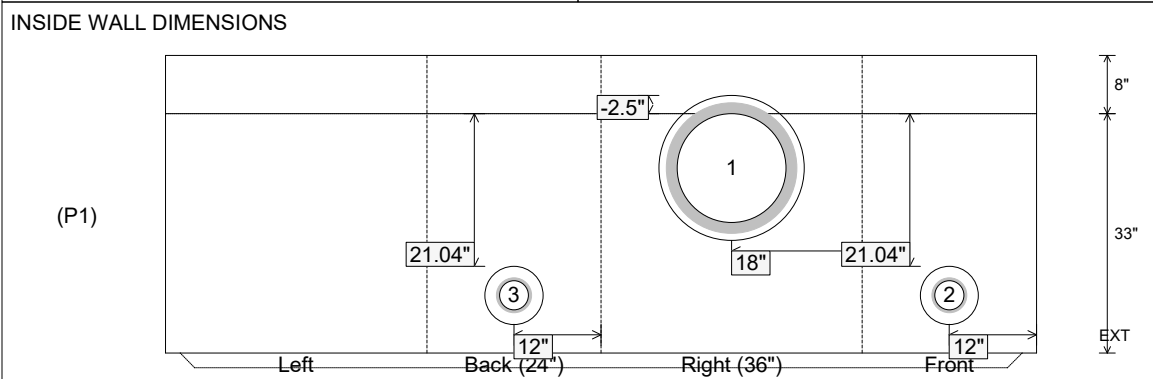


UPSIDE-DOWN VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 33"

Height (Ext): 41"

Weight (Net): 4485 lb

Volume (Net): 1.15cu.yd

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

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:29:26 PM

Tech: Jared - A

PC: J. Jarvis

Structure ID: 449

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

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

P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT - 18"

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

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

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

1) Hole - 20

2) Hole - 8

3398 lb

5270 lb

4485 lb

206 lb

0 lb

0 lb

0 lb

Structure Total: 13359 lb

Structure Notes:

** KYTC STATE PROJECT **

1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST.

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

3. REINFORCING PER ASTM A615 (GRADE 60).

- TOP PHASE (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.

4. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST

FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP

Rim: 875.04'

Rim to Invert: 5.09'

Slack: 0.08"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	869.95'	90°	26"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	871.87'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 3	871.87'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

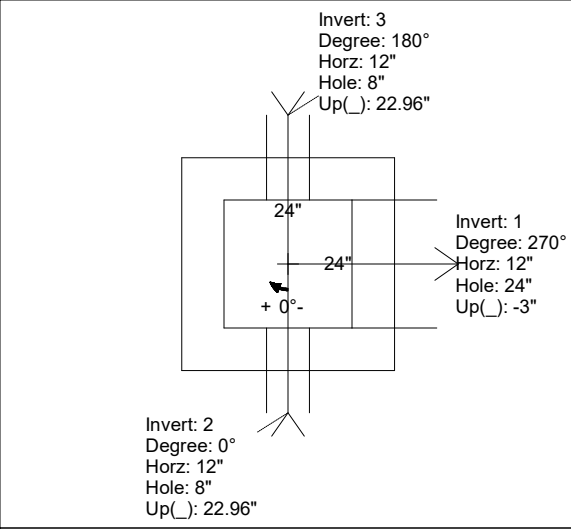
Height (Int): 33"

Height (Ext): 41"

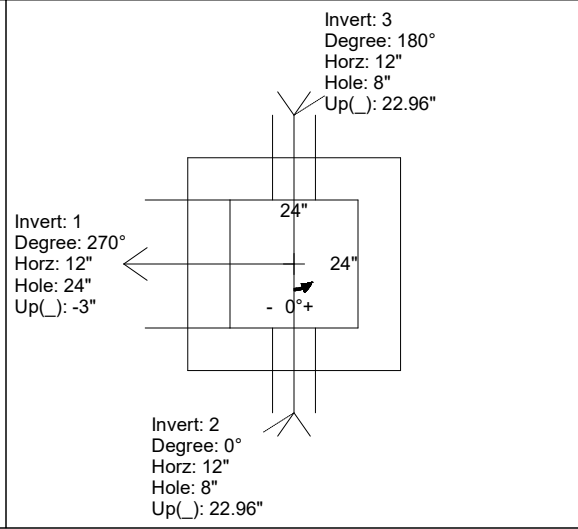
Weight (Net): 4485 lb

Volume (Net): 1.15cu.yd

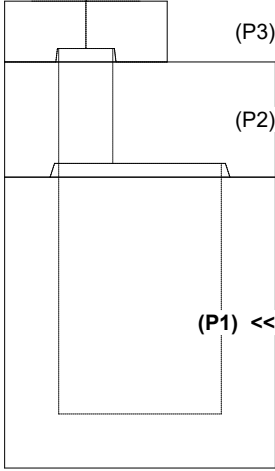
Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 7/1/2026 12:30:04 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 600											
P1 BX2424-08BAVF BOX BASE 8inW, 8inF, Variable Ht											
P3) 8" x 120" - CB INLET KY B 10' TOP - 9" P2) 24" x 120" - CB INLET KY B 10' BOTTOM LEFT - 17" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 35" 1) CASTING - HOE KY-345 SET (CBI B) 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 24 2) Hole - 8					1660 lb 2650 lb 3786 lb 290 lb 0 lb 0 lb 0 lb ----- Structure Total: 8387 lb		<u>Structure Notes:</u> ** KYTC STATE PROJECT ** 1. HOE KY-345 SET (CBI B) PROVIDED BY ICAST. 2. CONCRETE = 4,000 PI AT 28 DAYS. 3. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (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: 917.25' Rim to Invert: 5.1' Slack: 0.2" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	912.15'	270°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	914.23'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	22.96"	0"	
Invert 3	914.23'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	22.96"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

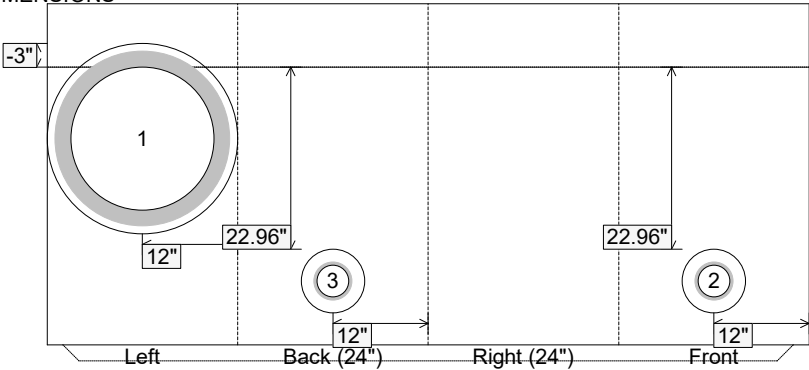


UPSIDE-DOWN VIEW (int. dimensions)



(P1) <<

INSIDE WALL DIMENSIONS



(P1)

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): 3786 lb Volume (Net): 0.97cu.yd
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Job Name: 26-2270 - Walmart #299 Fuel Station

Job Location: Bowling Green, KY

Contractor: Stewart Richey

Plant: 100

8/10/2026 2:19:41 PM

Tech: Jared - F

PC: T. Lewis



Structure ID: OCS ST-OCS

P2 BX4848-08RVF

BOX RISER 8inW, Variable Ht F/G

P3) 48" x 48" - CASTING HEIGHT - 0"

P2) 48" x 48" - BOX RISER 8inW, Variable Ht F/G - 45"

P1) 48" x 48" - BOX BASE 8inW, 12inF, Variable Ht T/n - 40"

1) CASTING - TRASHRACKS LFS-4848-P SQ. Flush Mount Grate

2) 48" x 48" - Conseal CS-102 1.00"

1) Hole - 40

1) Hole - 8

1) Weir n/n - 6"x36"

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

0 lb

6622 lb

9262 lb

289 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 16173 lb

Structure Notes: .

1. PER ASTM C913 SPECIFICATIONS.

2. CONCRETE = 4,500 PSI AT 28 DAYS.

3. NO STEPS AND NO INVERT CHANNEL.

4. CASTING BY ICAST (TRASHRACKS LFS-48 SQ. FLUSH MOUNT TRASH RACK).

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: 540'

Rim to Invert: 7.1'

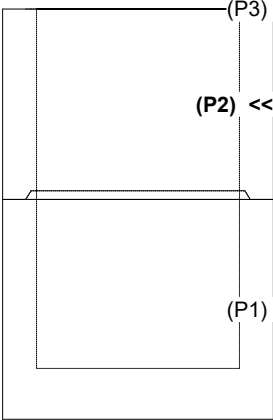
Slack: 0.2"

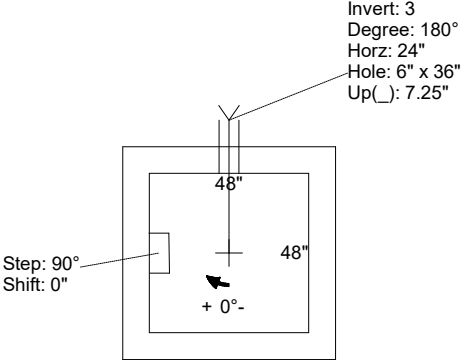
Sump: 0"

Step Position: 90°

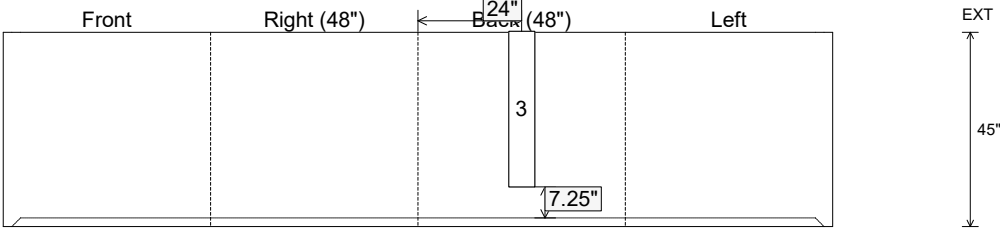
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2										
Invert 3	537'	180°	32"	6" x 36" Weir	6" x 36"	Weir 6"x36"	6" x 36"	6"	7.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 8"

Floor Height: 0"

Height (Int): 45"

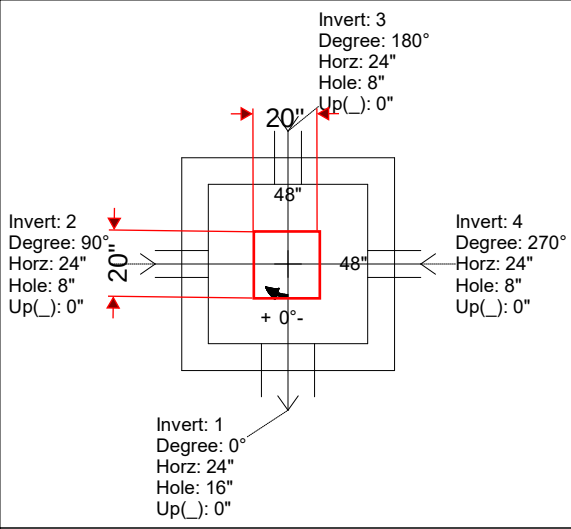
Height (Ext): 45"

Weight (Net): 6622 lb

Volume (Net): 1.69cu.yd

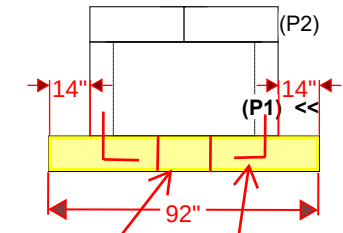
Job Name: 26-1635 - KYTC Oldham Co (261505) Job Location: Peewee Valley, KY Contractor: Cleary Construction, Inc.					Plant: 100 7/22/2026 12:46:24 PM		Tech: Jared - F PC: T. Ryan			
Structure ID: 37887-142 SBIA										
P1 BX4848-08W12FEBAV			BX BASE w/FLANGE 08W/12F/14EF F/n							
P2) 48" x 48" - BX FLAT LID 8inW SOLID F/F - 12" P1) 48" x 48" - BX BASE w/FLANGE 08W/12F/14EF F/n - 32" 1) 48" x 48" - Conseal CS-102 1.00" 1) Hole - 16 3) Hole - 8					4124 lb 13098 lb 0 lb 0 lb 0 lb ----- Structure Total: 17223 lb		Structure Notes: **KYTC STATE PROJECT** 1. PER KYTC SPRING BOX INLET A / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. SOLID TOP SLAB - NO CASTING. . REINFORCING PER ASTM A615 (GRADE 60.) - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 748.75' Rim to Invert: 3.75' Slack: 3" Sump: 2" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	745'	0°	32"	12" CMP	13"	Hole 16	16"	16"	0"	0"
Invert 2	745'	90°	32"	4" CMP	5"	Hole 8	8"	8"	0"	0"
Invert 3	745'	180°	32"	4" CMP	5"	Hole 8	8"	8"	0"	0"
Invert 4	745'	270°	32"	4" CMP	5"	Hole 8	8"	8"	0"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

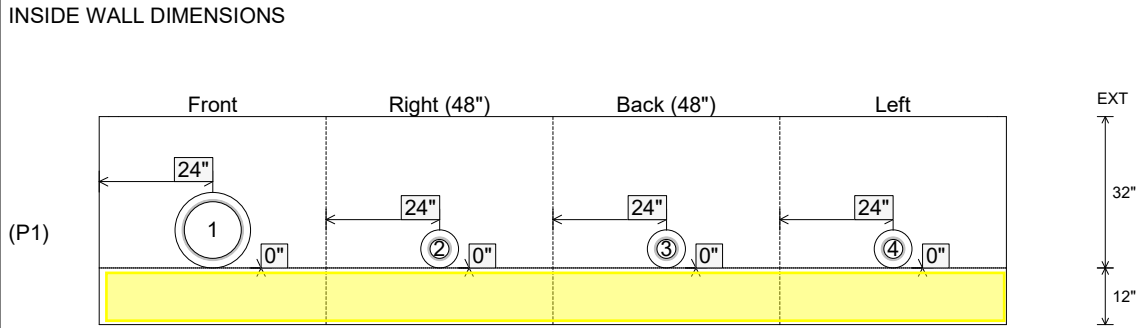
1ST POUR (FLOOR) = 8,120 LBS
 2ND POUR (WALLS) = 4,978 LBS



20"x20" Hole through the center of base slab

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

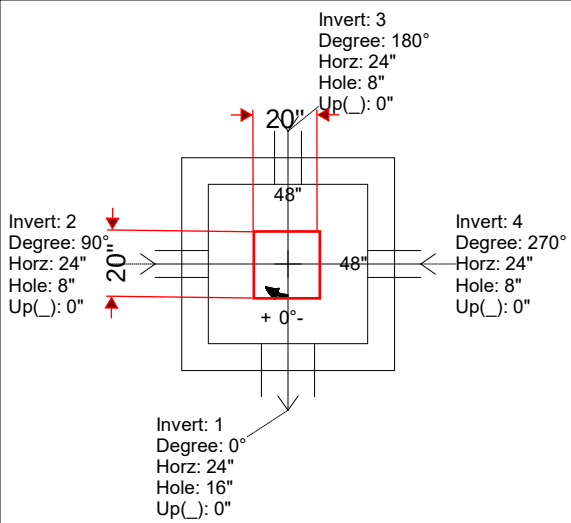
INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 8"	Height (Int): 32"	Weight (Net): 13098 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 12"	Height (Ext): 44"	Volume (Net): 3.35cu.yd

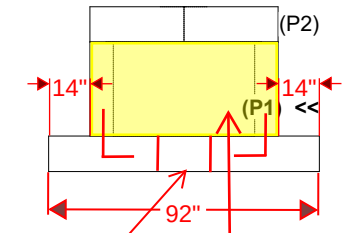
Job Name: 26-1635 - KYTC Oldham Co (261505) Job Location: Peewee Valley, KY Contractor: Cleary Construction, Inc.					Plant: 100 7/22/2026 12:46:24 PM		Tech: Jared - F PC: T. Ryan			
Structure ID: 37887-142 SBIA										
P1 BX4848-08W12FEBAV					BX BASE w/FLANGE 08W/12F/14EF F/n					
P2) 48" x 48" - BX FLAT LID 8inW SOLID F/F - 12" P1) 48" x 48" - BX BASE w/FLANGE 08W/12F/14EF F/n - 32" 1) 48" x 48" - Conseal CS-102 1.00" 1) Hole - 16 3) Hole - 8					4124 lb 13098 lb 0 lb 0 lb 0 lb ----- Structure Total: 17223 lb		Structure Notes: **KYTC STATE PROJECT** 1. PER KYTC SPRING BOX INLET A / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. SOLID TOP SLAB - NO CASTING. REINFORCING PER ASTM A615 (GRADE 60.) - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 748.75' Rim to Invert: 3.75' Slack: 3" Sump: 2" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	745'	0°	32"	12" CMP	13"	Hole 16	16"	16"	0"	0"
Invert 2	745'	90°	32"	4" CMP	5"	Hole 8	8"	8"	0"	0"
Invert 3	745'	180°	32"	4" CMP	5"	Hole 8	8"	8"	0"	0"
Invert 4	745'	270°	32"	4" CMP	5"	Hole 8	8"	8"	0"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

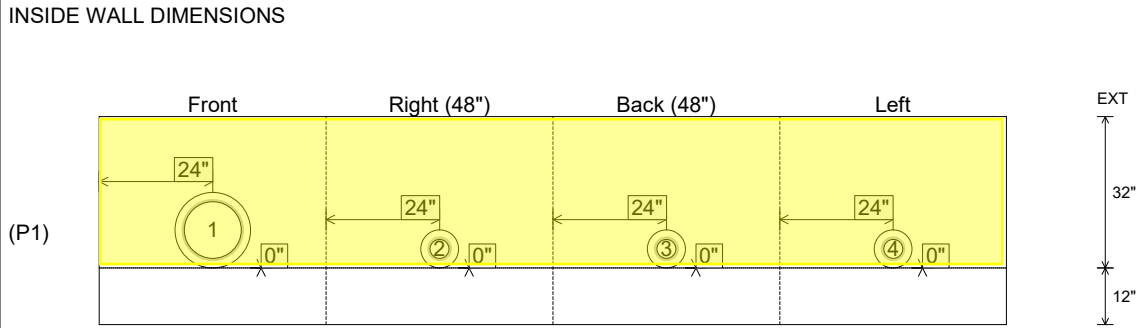
1ST POUR (FLOOR) = 8,120 LBS
2ND POUR (WALLS) = 4,978 LBS



20"x20" Hole through the center of base slab

2ND POUR (WALLS)

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 12"	Height (Int): 32" Height (Ext): 44"	Weight (Net): 13098 lb Volume (Net): 3.35cu.yd
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Job Name: 26-2038 - Sturgis Municipal Airport-Ph2

Job Location: Sturgis, KY

Contractor: M. Bowling, Inc.

Plant: 100

7/31/2026 11:12:09 AM

Tech: Jared - F

PC: A. Chambers



Structure ID: D8 DBI2

P1 BX3648-08BAVF

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

P3) 36" x 48" - P.I.P. - BY OTHERS - 8"

P2) 36" x 48" - BOX RISER 8inW F/G - 36"

P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht T/n - 47"

1) CASTING - HOE KY-398 SET (DBI 2)

2) 36" x 48" - Conseal CS-102 1.00"

2) Hole - 40

1) Hole - 10

0 lb

4772 lb

6857 lb

398 lb

0 lb

0 lb

0 lb

Structure Total: 12028 lb

Structure Notes:

1. KYTC DBI TYPE 2 / ASTM C913 SPECIFICATIONS.

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

3. STUB #5 BARS 20" OUT TOP OF WALLS (SPA@12"C/C)

4. CASTING SUPPLIED BY ICAST (HOE KY-398 SET (DBI 2)).

REINFORCING PER ASTM A615 (GRADE 60).

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

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

Rim: 367.76'

Rim to Invert: 7.17'

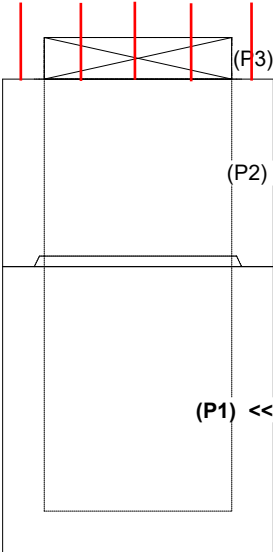
Slack: 0.04"

Sump: 5"

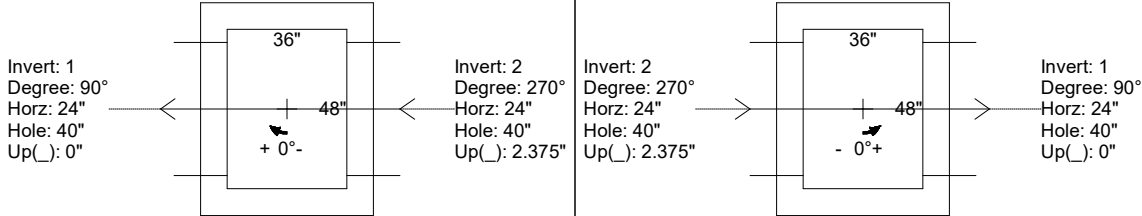
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	360.59'	90°	32"	30" RCP B WALL	37"	Hole 40	40"	40"	0"	0"
Invert 2	360.79'	270°	32"	30" RCP B WALL	37"	Hole 40	40"	40"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

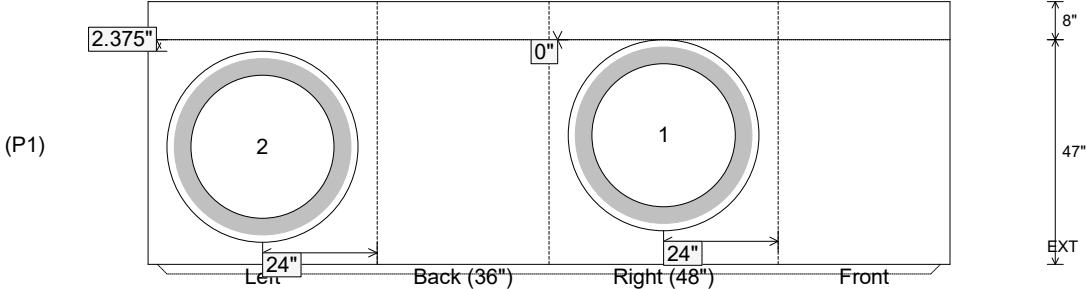
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 47"

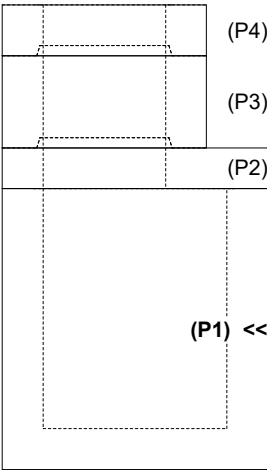
Height (Ext): 55"

Weight (Net): 6857 lb

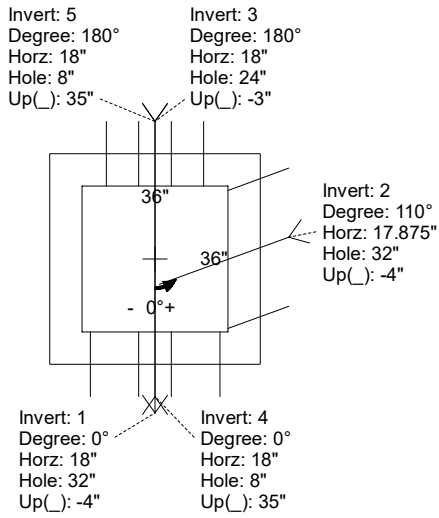
Volume (Net): 1.75cu.yd

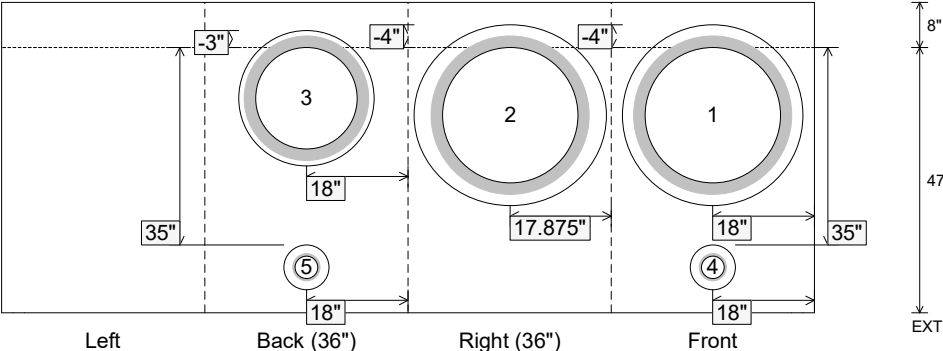
Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt				Plant: 100 6/4/2026 4:53:10 PM		Tech: Jared - A PC: J. Jarvis						
Structure ID: 537												
P1 BX3636-08BAVF				BOX BASE 8inW, 8inF, Variable Ht F/n								
P4) 24" x 60" - CB INLET KY A 5' TOP SAG F/G - 10" P3) 24" x 60" - CB INLET KY A 5' BOTTOM SAG T/G - 18" P2) 36" x 36" - CB FT REDUCER 24"X36" HOLE T/F - 8" P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 47" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 36" x 36" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 32 1) Hole - 24 2) Hole - 8						1895 lb 2670 lb 1235 lb 5883 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 11889 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP				
Rim: 833.43'				Rim to Invert: 6.93'		Slack: 0.16"		Sump: 0"		Step Position:		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	826.5'	0°	26"	24" ADS N-12	28"	Hole 32	32"	32"	-4"	0"		
Invert 2	826.5'	110°	28.75"	24" ADS N-12	28"	Hole 32	32"	34.054"	-4"	-6.25"		
Invert 3	826.5'	180°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"		
Invert 4	829.58'	0°	26"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	35"	0"		
Invert 5	829.58'	180°	26"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	35"	0"		
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)



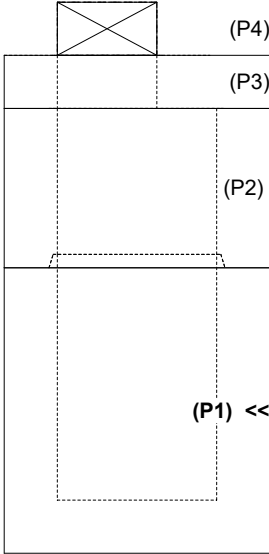
UPSIDE-DOWN VIEW (int. dimensions)



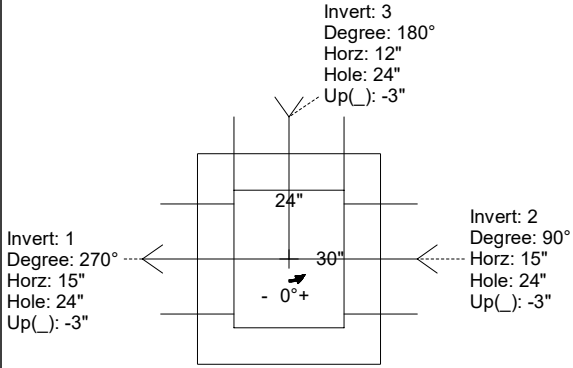
INSIDE WALL DIMENSIONS				
				
Coating (Int): Coating (Ext):		Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 47" Height (Ext): 55" Weight (Net): 5883 lb Volume (Net): 1.5cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/5/2026 9:03:56 AM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 542											
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 - 24" P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 35" 1) CASTING - HOE KY-230-G F/G (GRADE) 2) 24" x 30" - Conseal CS-102 1.00" 1) 15" x 27" - Conseal CS-102 1.00" 3) Hole - 24 2) Hole - 4						0 lb 963 lb 2239 lb 3689 lb 237 lb 0 lb 0 lb 0 lb 0 lb ----- 7128 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TY 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: 833.78' Rim to Invert: 6.33' Slack: 0.96" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	827.45'	270°	23"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	827.45'	90°	23"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 3	827.45'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

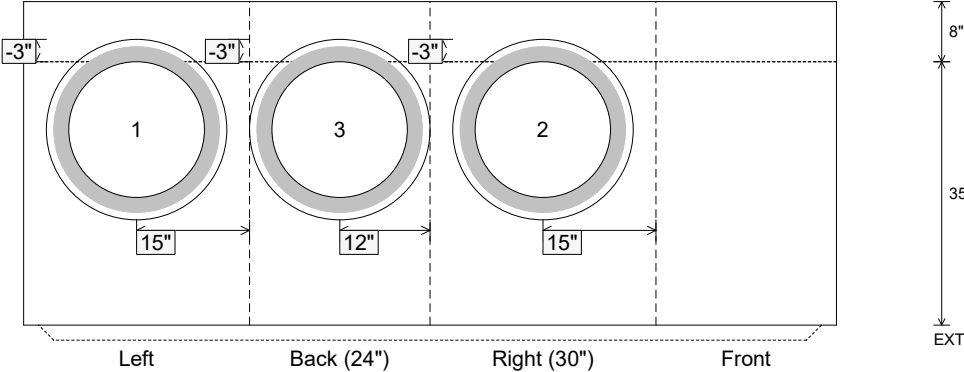
RIGHT-SIDE UP VIEW (int. dimensions)



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): 3689 lb Volume (Net): 0.94cu.yd
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Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:08:05 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 12in GR

P5 GR28x34x6x12

GRADE RING

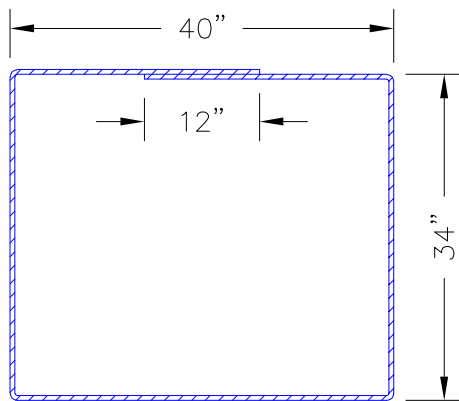
P7) 28" x 34" - GRADE RING - 12"
P6) 28" x 34" - GRADE RING - 12"
P5) 28" x 34" - GRADE RING - 12"
P4) 28" x 34" - GRADE RING - 12"
P3) 28" x 34" - GRADE RING - 12"
P2) 28" x 34" - GRADE RING - 12"
P1) 28" x 34" - GRADE RING - 12"
7) 28" x 34" - Conseal CS-102 1.00"

894 lb
894 lb
894 lb
894 lb
894 lb
894 lb
894 lb
0 lb

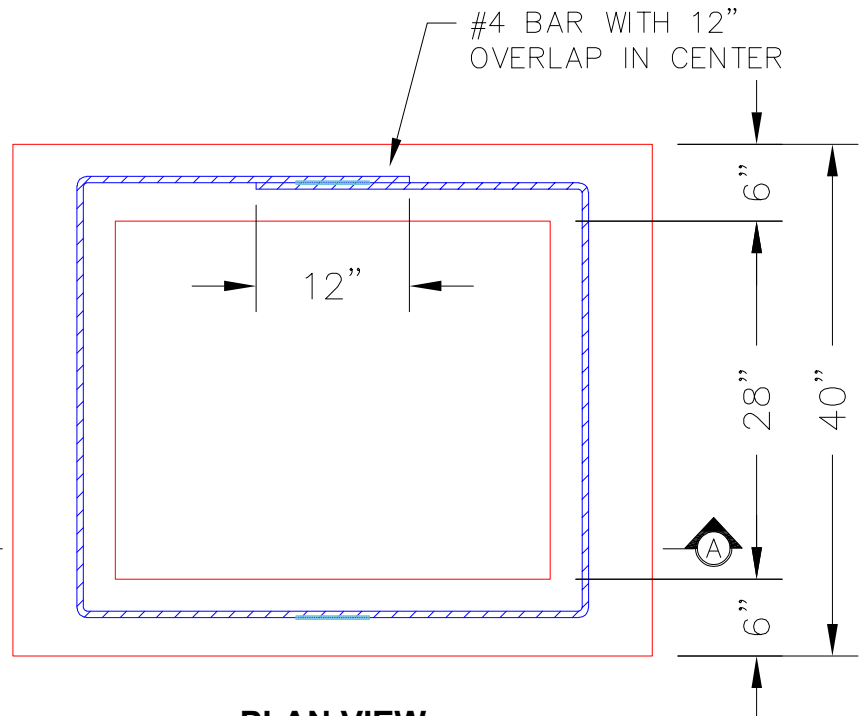
Structure Total: 6259 lb

Structure Notes:

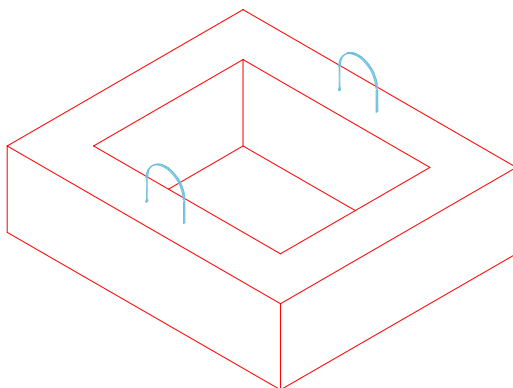
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW



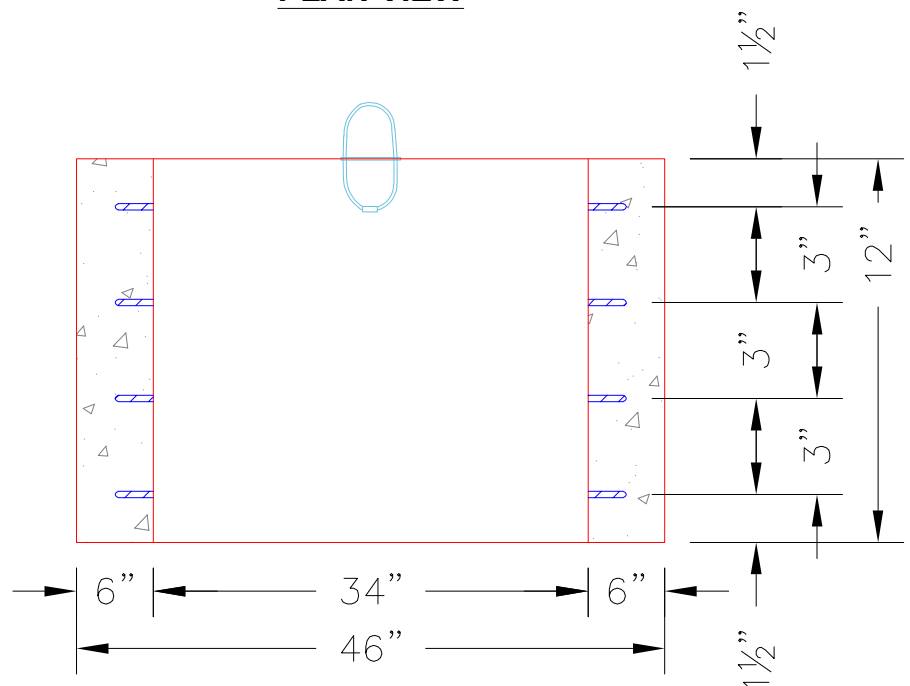
#4 BAR REINFORCING



PLAN VIEW



ISOMETRIC VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 12"

Weight (Net): 894 lb
Volume (Net): 0.23cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:08:05 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 12in GR

P6 GR28x34x6x12

GRADE RING

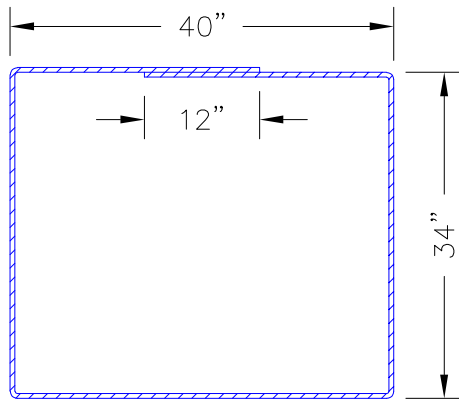
P7) 28" x 34" - GRADE RING - 12"
P6) 28" x 34" - GRADE RING - 12"
P5) 28" x 34" - GRADE RING - 12"
P4) 28" x 34" - GRADE RING - 12"
P3) 28" x 34" - GRADE RING - 12"
P2) 28" x 34" - GRADE RING - 12"
P1) 28" x 34" - GRADE RING - 12"
7) 28" x 34" - Conseal CS-102 1.00"

894 lb
894 lb
894 lb
894 lb
894 lb
894 lb
894 lb
0 lb

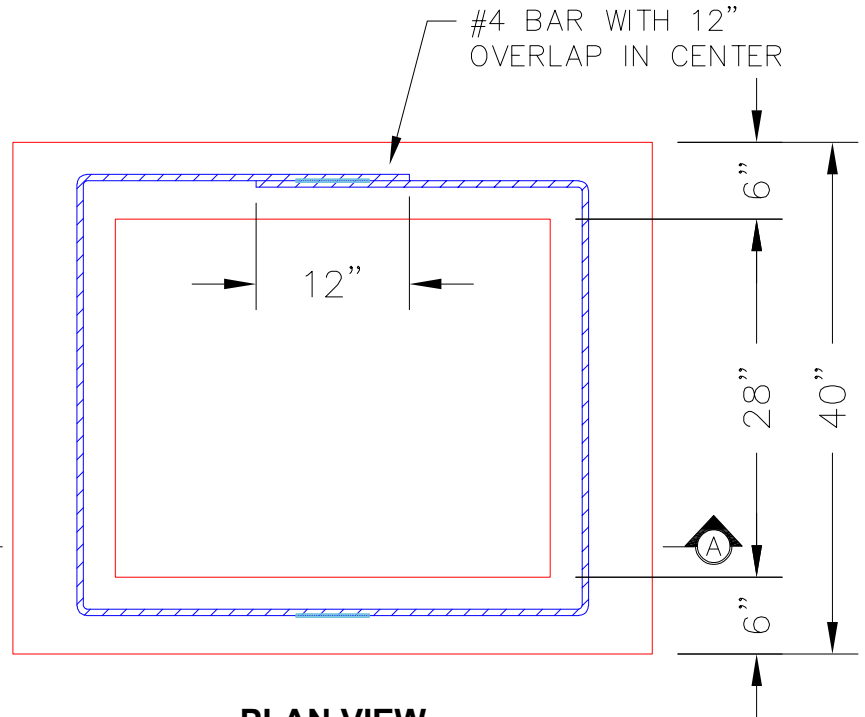
Structure Total: 6259 lb

Structure Notes:

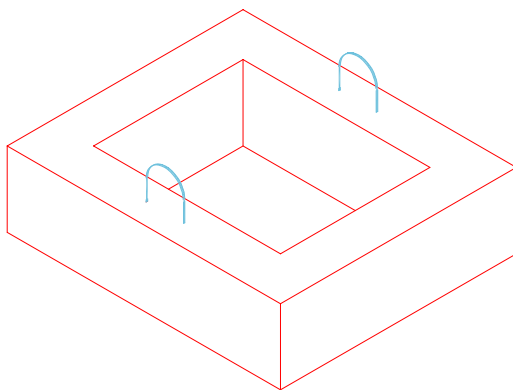
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW



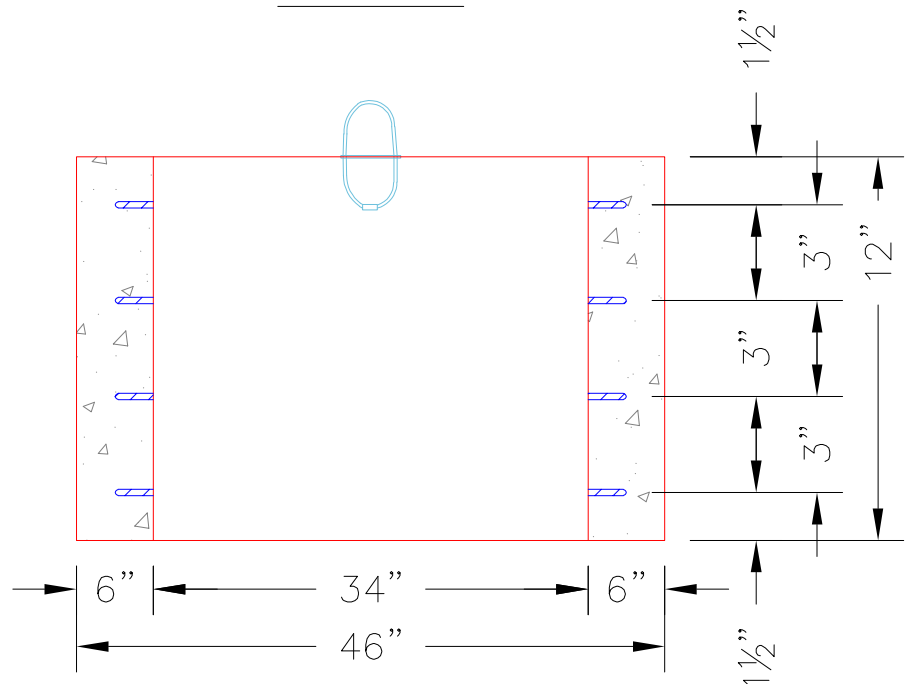
#4 BAR REINFORCING



PLAN VIEW



ISOMETRIC VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 12"

Weight (Net): 894 lb
Volume (Net): 0.23cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:08:06 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 12in GR

P7 GR28x34x6x12

GRADE RING

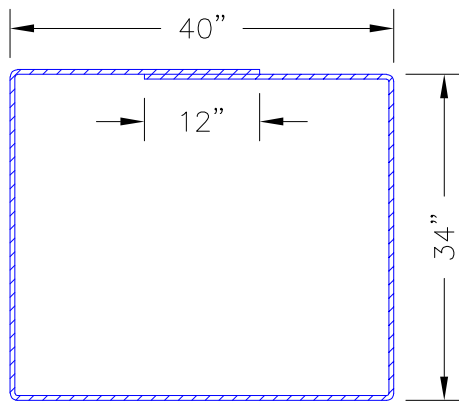
P7) 28" x 34" - GRADE RING - 12"
P6) 28" x 34" - GRADE RING - 12"
P5) 28" x 34" - GRADE RING - 12"
P4) 28" x 34" - GRADE RING - 12"
P3) 28" x 34" - GRADE RING - 12"
P2) 28" x 34" - GRADE RING - 12"
P1) 28" x 34" - GRADE RING - 12"
7) 28" x 34" - Conseal CS-102 1.00"

894 lb
894 lb
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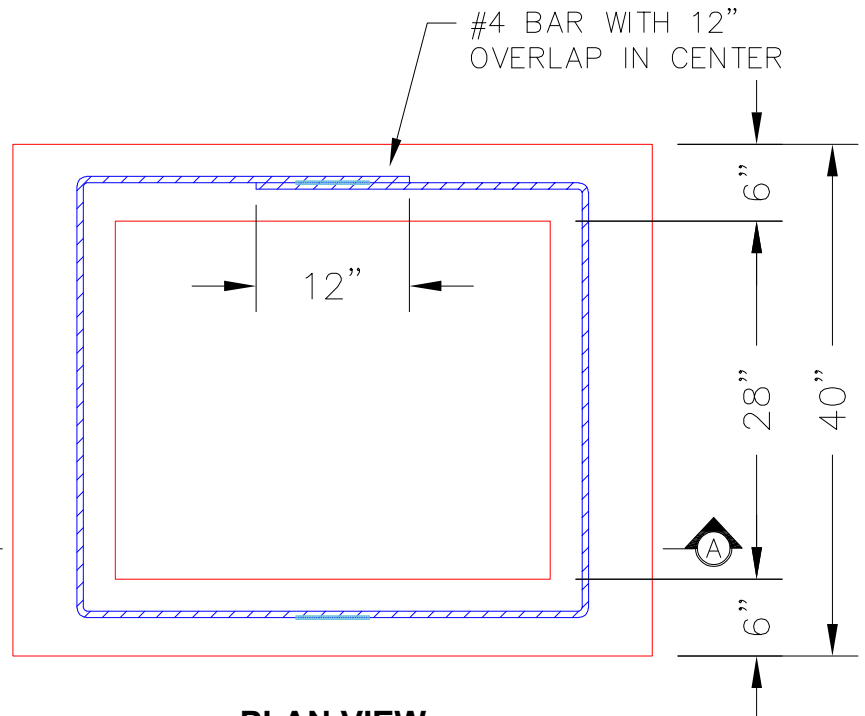
Structure Total: 6259 lb

Structure Notes:

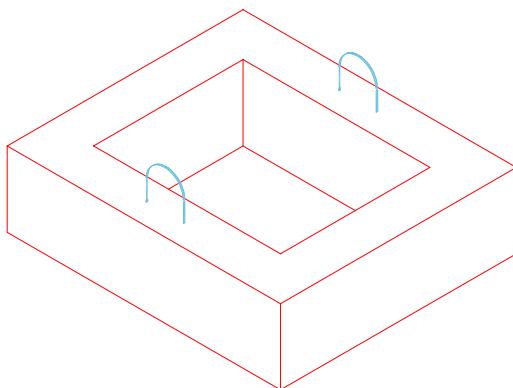
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW



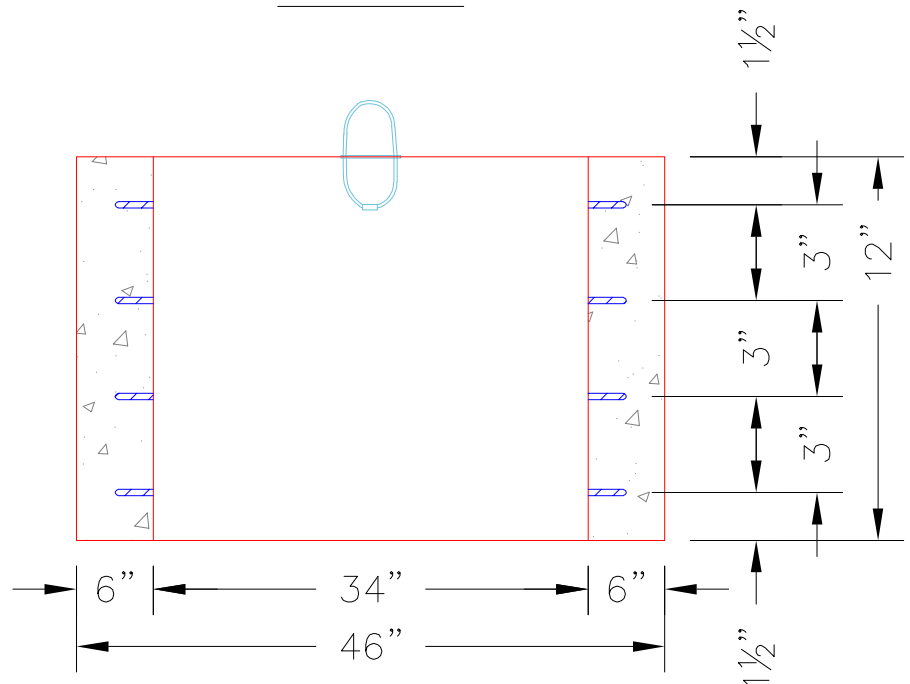
#4 BAR REINFORCING



PLAN VIEW



ISOMETRIC VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 12"

Weight (Net): 894 lb
Volume (Net): 0.23cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:07:59 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 6in GR

P4 GR28x34x6x6

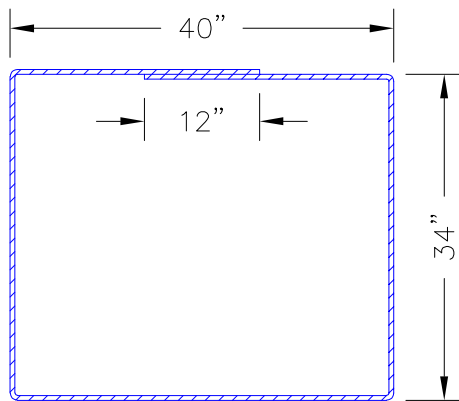
GRADE RING

P13) 28" x 34" - GRADE RING - 6"
P12) 28" x 34" - GRADE RING - 6"
P11) 28" x 34" - GRADE RING - 6"
P10) 28" x 34" - GRADE RING - 6"
P9) 28" x 34" - GRADE RING - 6"
P8) 28" x 34" - GRADE RING - 6"
P7) 28" x 34" - GRADE RING - 6"
P6) 28" x 34" - GRADE RING - 6"
P5) 28" x 34" - GRADE RING - 6"
P4) 28" x 34" - GRADE RING - 6"
P3) 28" x 34" - GRADE RING - 6"
P2) 28" x 34" - GRADE RING - 6"
P1) 28" x 34" - GRADE RING - 6"
13) 28" x 34" - Conseal CS-102 1.00"

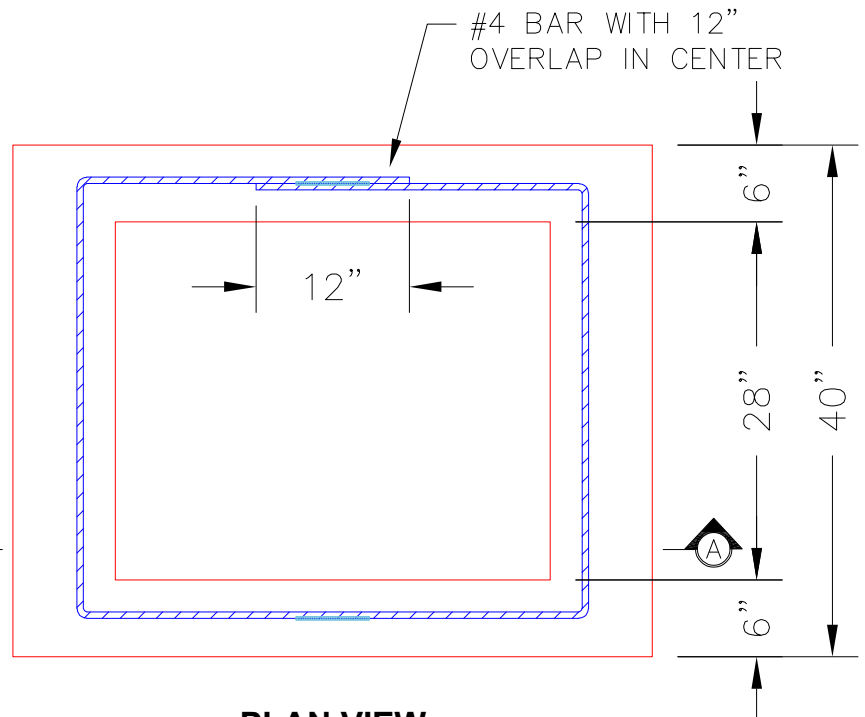
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

447 lb
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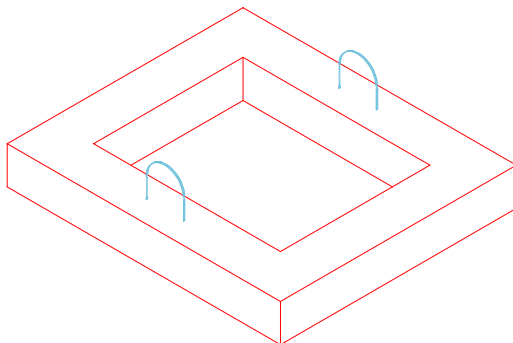
Structure Total: 5812 lb



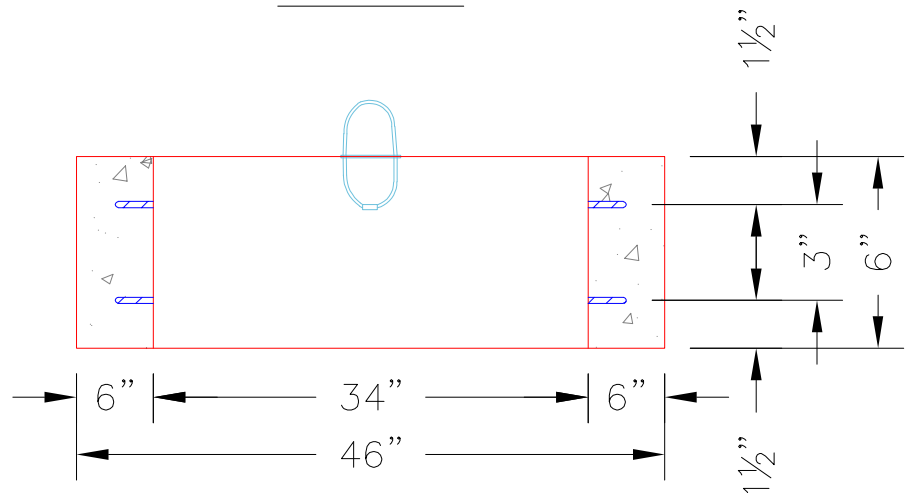
#4 BAR REINFORCING



PLAN VIEW



ISOMETRIC VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 6"

Weight (Net): 447 lb
Volume (Net): 0.11cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:07:59 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 6in GR

P5 GR28x34x6x6

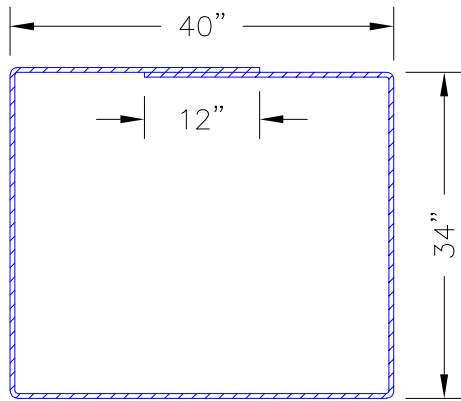
GRADE RING

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P12) 28" x 34" - GRADE RING - 6"
P11) 28" x 34" - GRADE RING - 6"
P10) 28" x 34" - GRADE RING - 6"
P9) 28" x 34" - GRADE RING - 6"
P8) 28" x 34" - GRADE RING - 6"
P7) 28" x 34" - GRADE RING - 6"
P6) 28" x 34" - GRADE RING - 6"
P5) 28" x 34" - GRADE RING - 6"
P4) 28" x 34" - GRADE RING - 6"
P3) 28" x 34" - GRADE RING - 6"
P2) 28" x 34" - GRADE RING - 6"
P1) 28" x 34" - GRADE RING - 6"
13) 28" x 34" - Conseal CS-102 1.00"

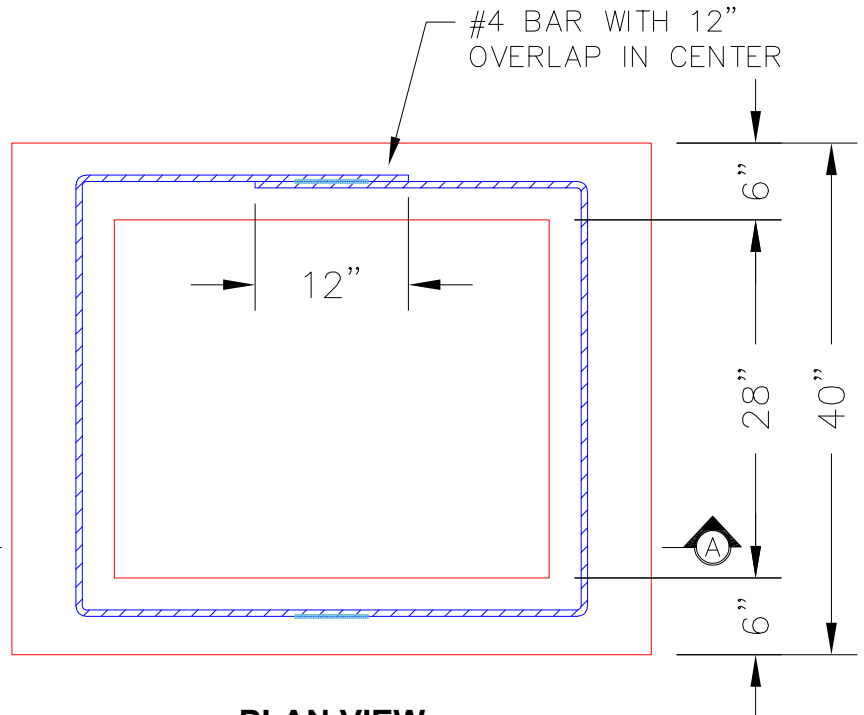
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

447 lb
447 lb
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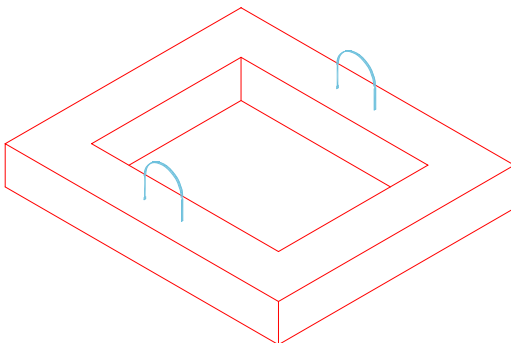
Structure Total: 5812 lb



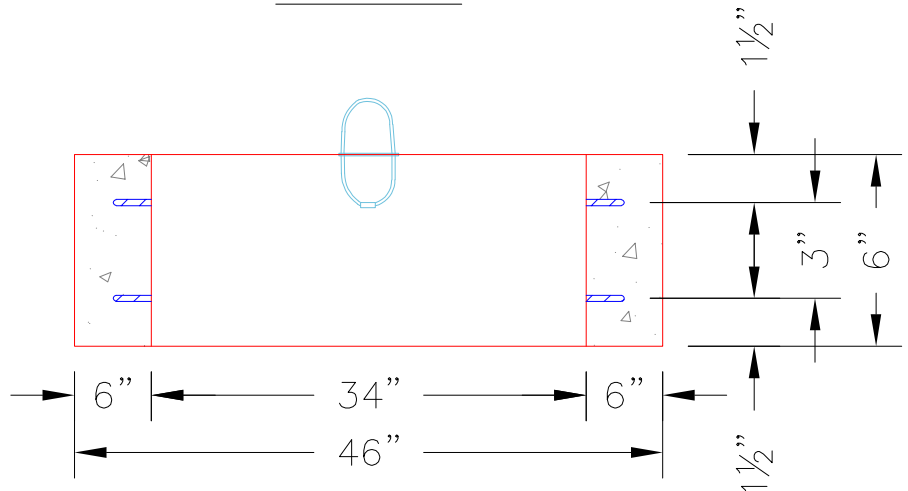
#4 BAR REINFORCING



PLAN VIEW



ISOMETRIC VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 6"

Weight (Net): 447 lb
Volume (Net): 0.11cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:08:00 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 6in GR

P6 GR28x34x6x6

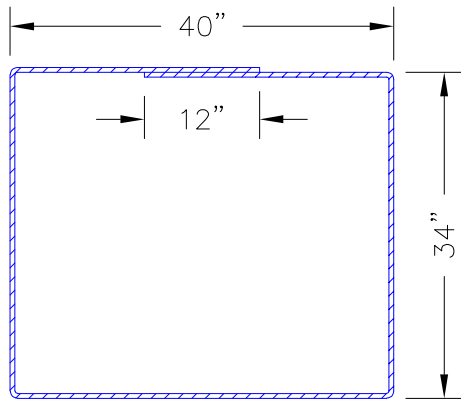
GRADE RING

P13) 28" x 34" - GRADE RING - 6"
P12) 28" x 34" - GRADE RING - 6"
P11) 28" x 34" - GRADE RING - 6"
P10) 28" x 34" - GRADE RING - 6"
P9) 28" x 34" - GRADE RING - 6"
P8) 28" x 34" - GRADE RING - 6"
P7) 28" x 34" - GRADE RING - 6"
P6) 28" x 34" - GRADE RING - 6"
P5) 28" x 34" - GRADE RING - 6"
P4) 28" x 34" - GRADE RING - 6"
P3) 28" x 34" - GRADE RING - 6"
P2) 28" x 34" - GRADE RING - 6"
P1) 28" x 34" - GRADE RING - 6"
13) 28" x 34" - Conseal CS-102 1.00"

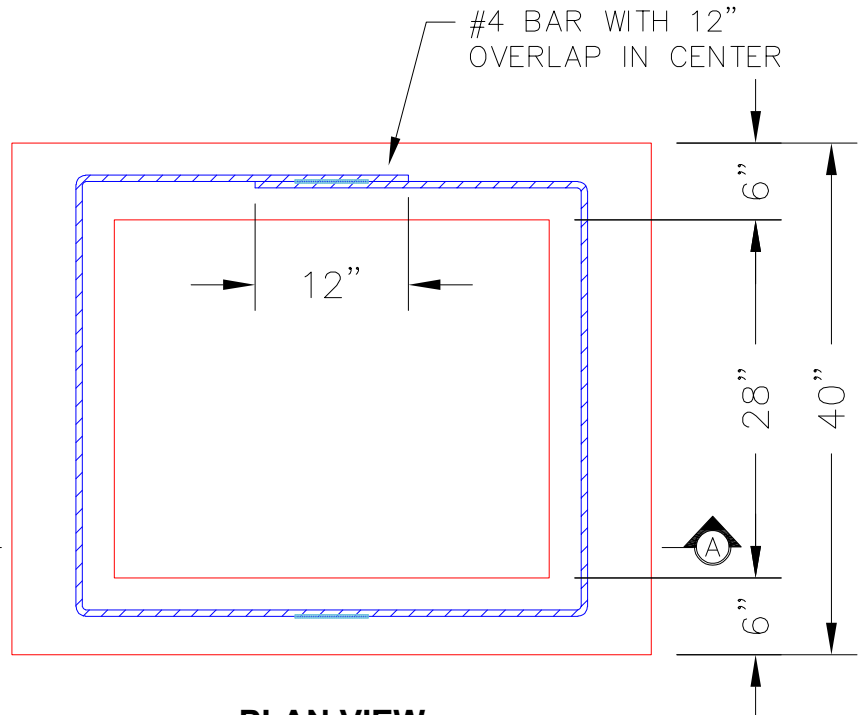
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

447 lb
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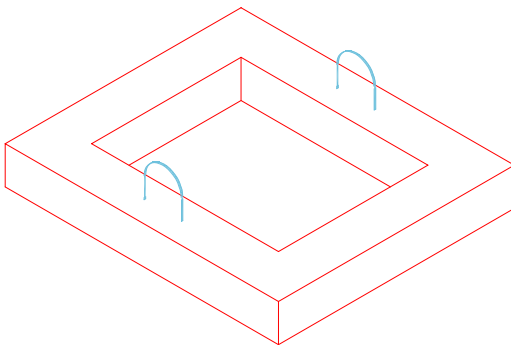
Structure Total: 5812 lb



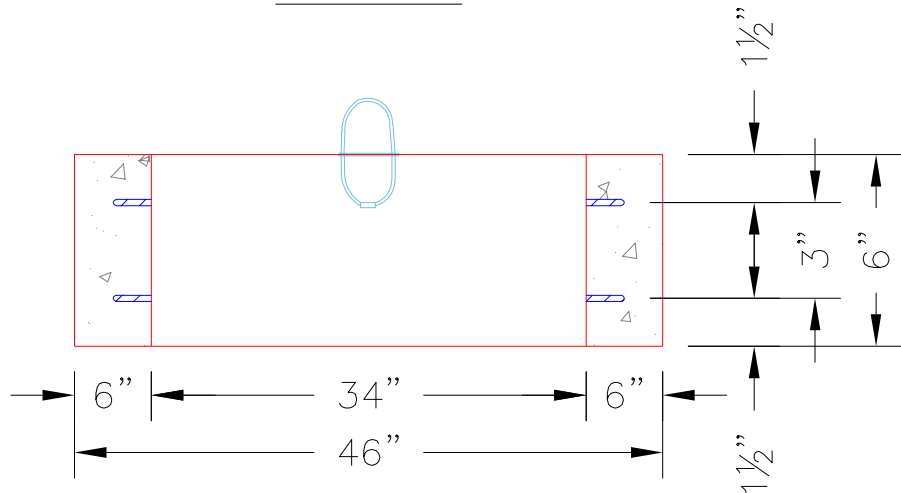
#4 BAR REINFORCING



PLAN VIEW



ISOMETRIC VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 6"

Weight (Net): 447 lb
Volume (Net): 0.11cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:08:01 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 6in GR

P7 GR28x34x6x6

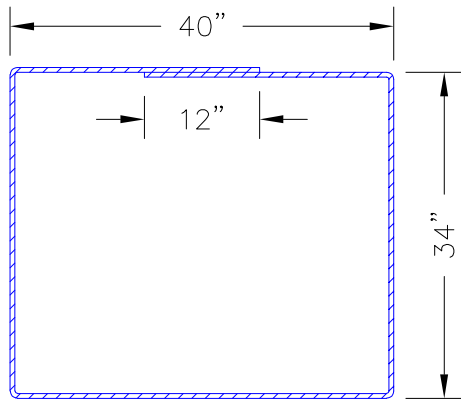
GRADE RING

P13) 28" x 34" - GRADE RING - 6"
P12) 28" x 34" - GRADE RING - 6"
P11) 28" x 34" - GRADE RING - 6"
P10) 28" x 34" - GRADE RING - 6"
P9) 28" x 34" - GRADE RING - 6"
P8) 28" x 34" - GRADE RING - 6"
P7) 28" x 34" - GRADE RING - 6"
P6) 28" x 34" - GRADE RING - 6"
P5) 28" x 34" - GRADE RING - 6"
P4) 28" x 34" - GRADE RING - 6"
P3) 28" x 34" - GRADE RING - 6"
P2) 28" x 34" - GRADE RING - 6"
P1) 28" x 34" - GRADE RING - 6"
13) 28" x 34" - Conseal CS-102 1.00"

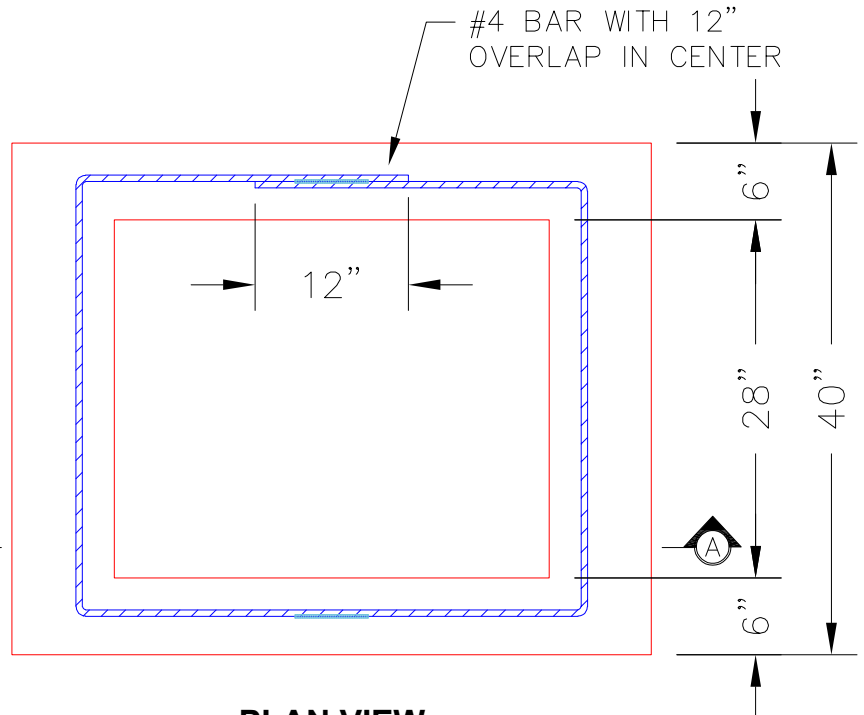
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

447 lb
447 lb
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0 lb

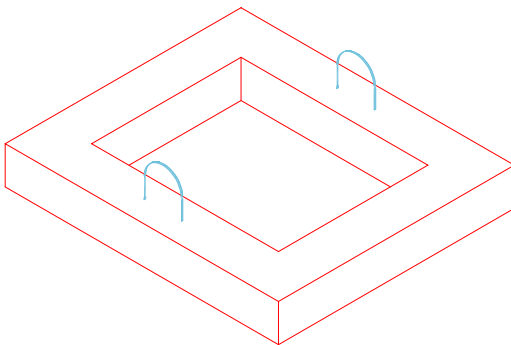
Structure Total: 5812 lb



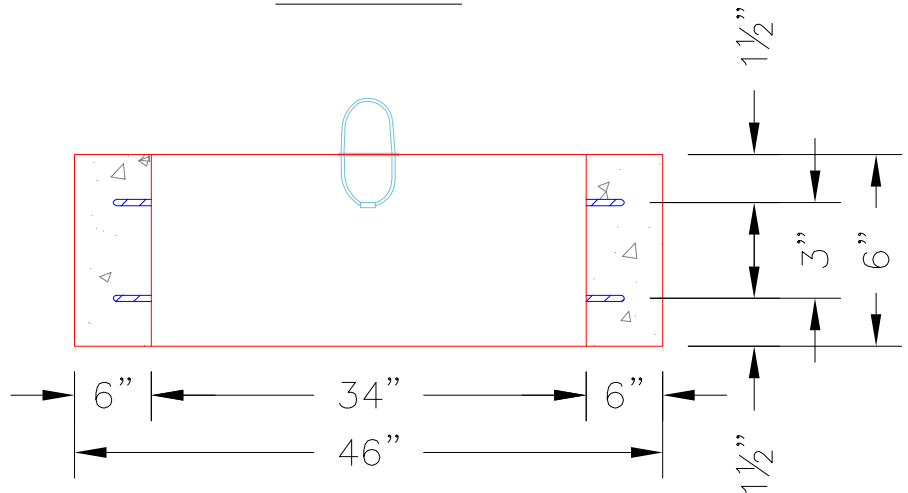
#4 BAR REINFORCING



PLAN VIEW



ISOMETRIC VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 6"

Weight (Net): 447 lb
Volume (Net): 0.11cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:07:52 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 3in GR

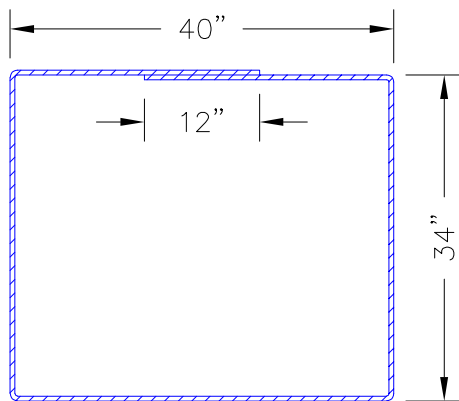
P5 GR28x34x6x3

GRADE RING

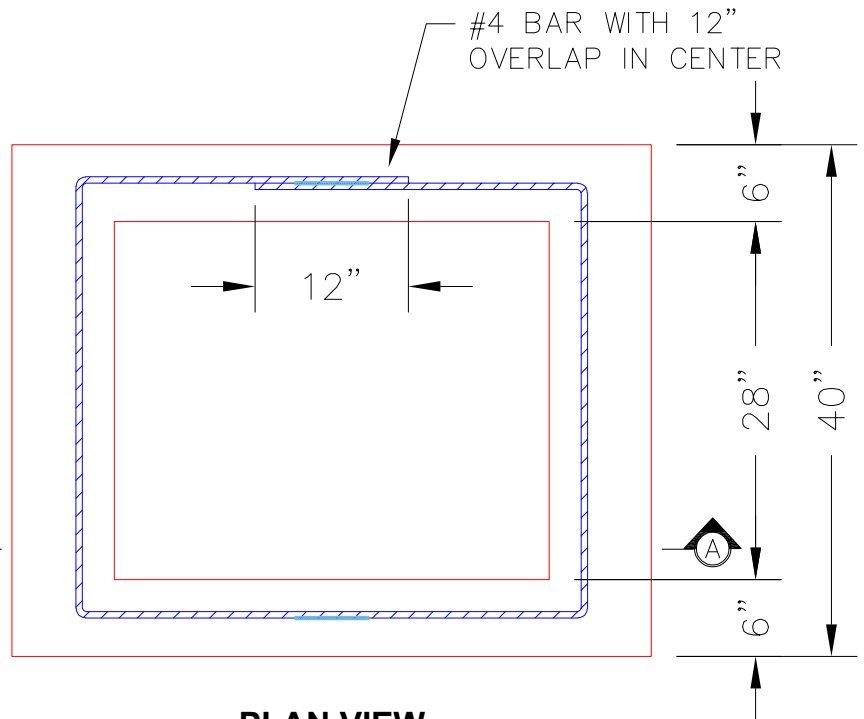
P13) 28" x 34" - GRADE RING - 3"
P12) 28" x 34" - GRADE RING - 3"
P11) 28" x 34" - GRADE RING - 3"
P10) 28" x 34" - GRADE RING - 3"
P9) 28" x 34" - GRADE RING - 3"
P8) 28" x 34" - GRADE RING - 3"
P7) 28" x 34" - GRADE RING - 3"
P6) 28" x 34" - GRADE RING - 3"
P5) 28" x 34" - GRADE RING - 3"
P4) 28" x 34" - GRADE RING - 3"
P3) 28" x 34" - GRADE RING - 3"
P2) 28" x 34" - GRADE RING - 3"
P1) 28" x 34" - GRADE RING - 3"
13) 28" x 34" - Conseal CS-102 1.00"

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

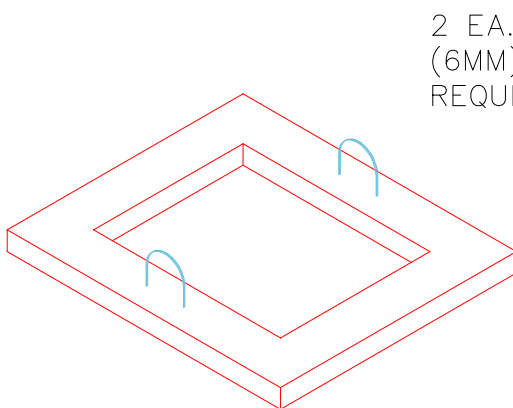
224 lb
224 lb
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224 lb
0 lb
Structure Total: 2906 lb



#4 BAR REINFORCING

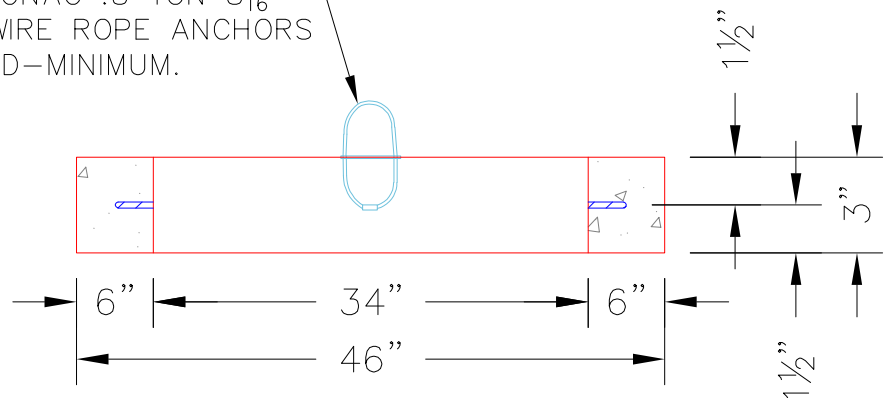


PLAN VIEW



ISOMETRIC VIEW

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



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

Weight (Net): 224 lb
Volume (Net): 0.06cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:07:53 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 3in GR

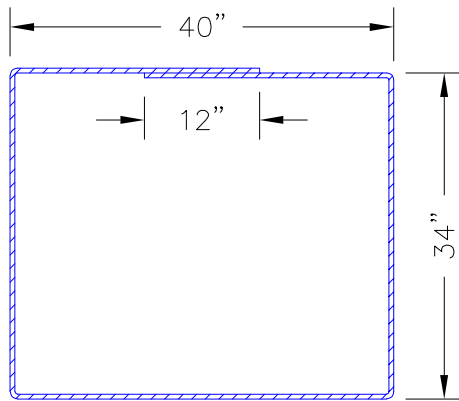
P6 GR28x34x6x3

GRADE RING

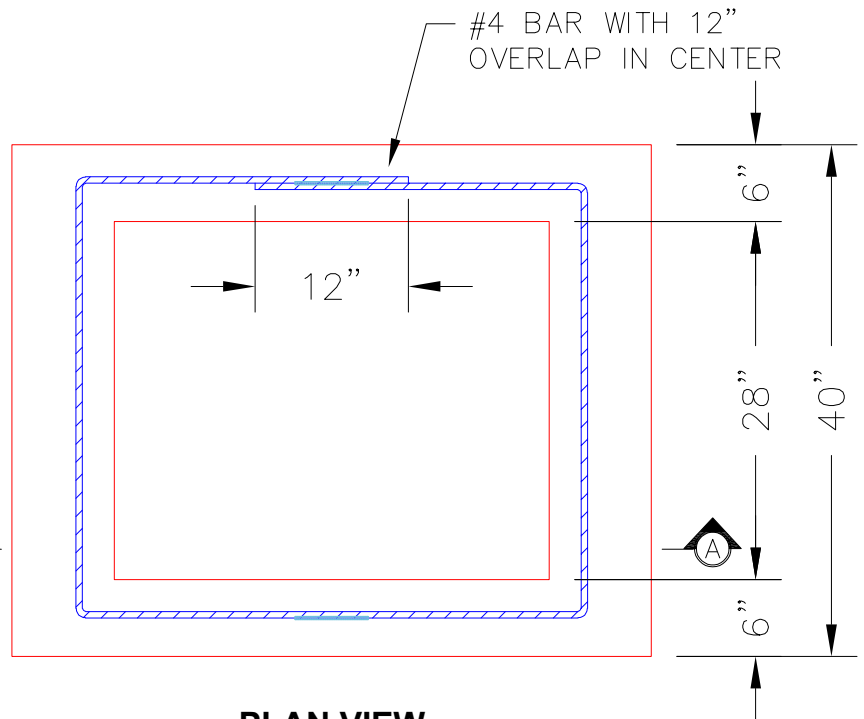
P13) 28" x 34" - GRADE RING - 3"
P12) 28" x 34" - GRADE RING - 3"
P11) 28" x 34" - GRADE RING - 3"
P10) 28" x 34" - GRADE RING - 3"
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P7) 28" x 34" - GRADE RING - 3"
P6) 28" x 34" - GRADE RING - 3"
P5) 28" x 34" - GRADE RING - 3"
P4) 28" x 34" - GRADE RING - 3"
P3) 28" x 34" - GRADE RING - 3"
P2) 28" x 34" - GRADE RING - 3"
P1) 28" x 34" - GRADE RING - 3"
13) 28" x 34" - Conseal CS-102 1.00"

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

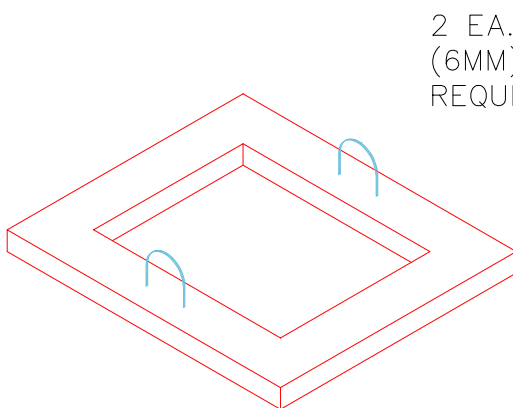
224 lb
224 lb
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224 lb
224 lb
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224 lb
224 lb
224 lb
0 lb
Structure Total: 2906 lb



#4 BAR REINFORCING

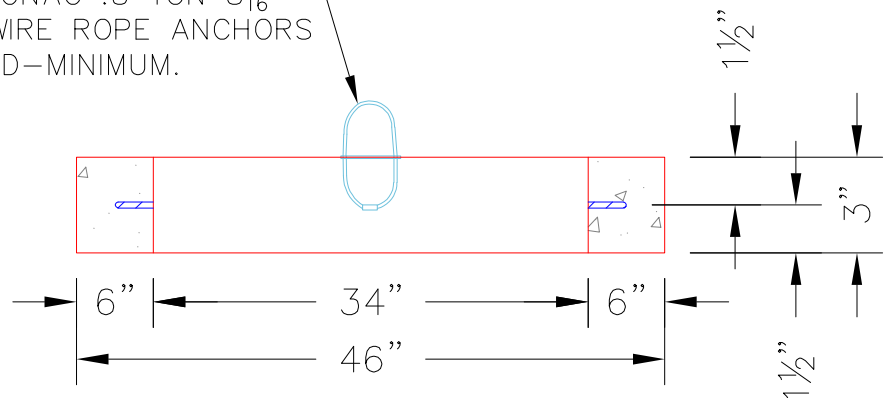


PLAN VIEW



ISOMETRIC VIEW

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



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

Weight (Net): 224 lb
Volume (Net): 0.06cu.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

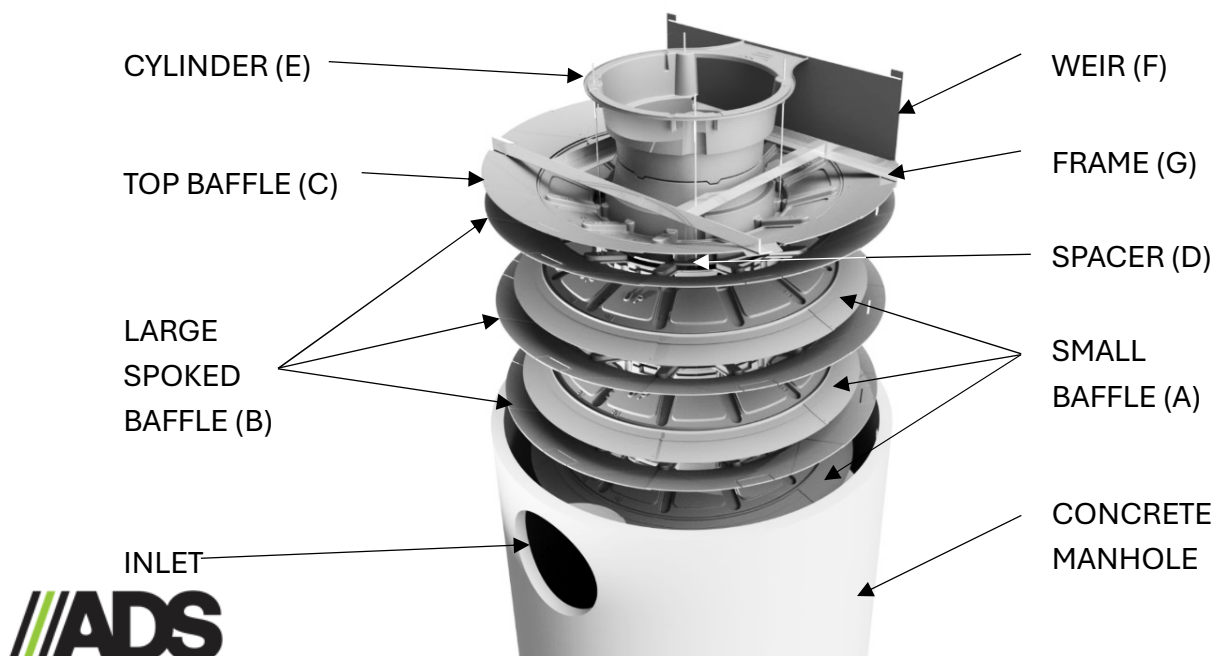
Section 3A: Rigging and Safety Methods

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



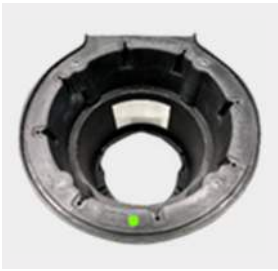
LARGE SPOKED BAFFLE (B)
Qty: 3



TOP BAFFLE (C)
Qty: 1



SPACER (D)
Qty: 1



CYLINDER (E) Qty: 1



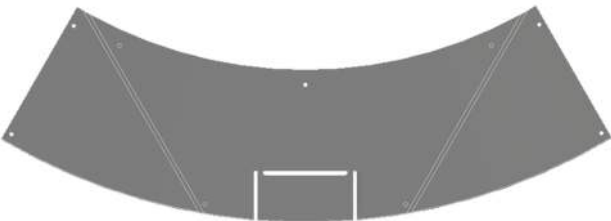
WEIR (F) Qty: 1



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

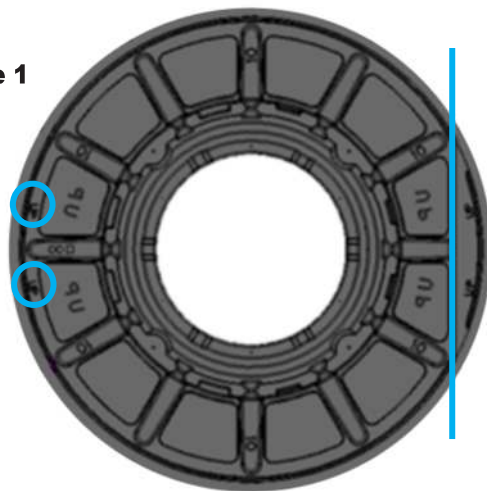
Section 2: Baffle Pre-Assembly

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.

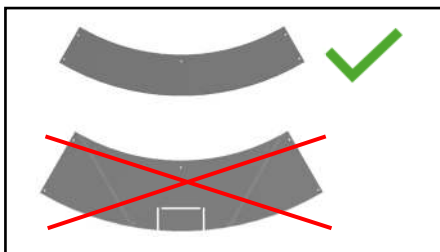


Figure 2

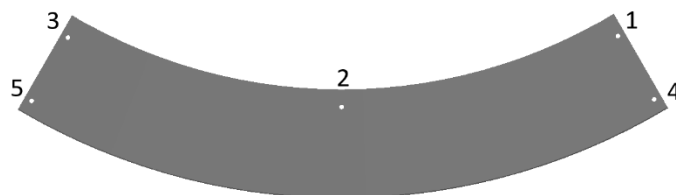
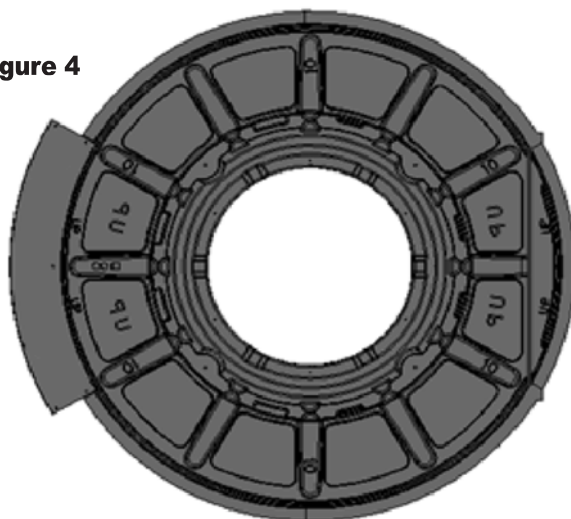


Figure 3



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

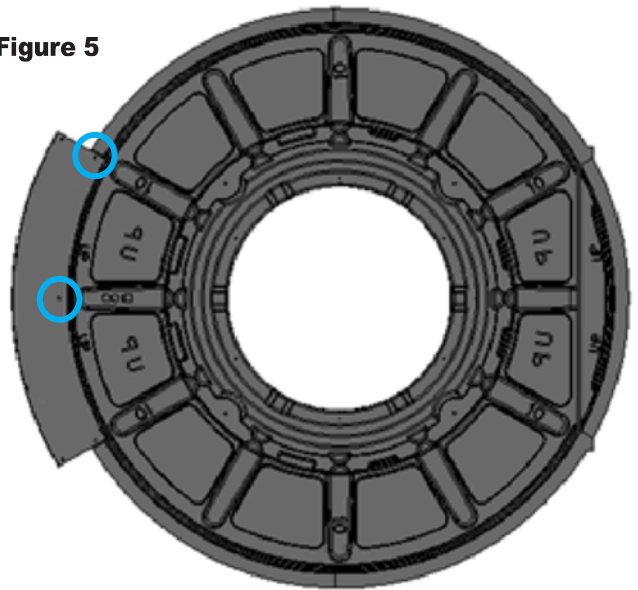


Figure 6

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.

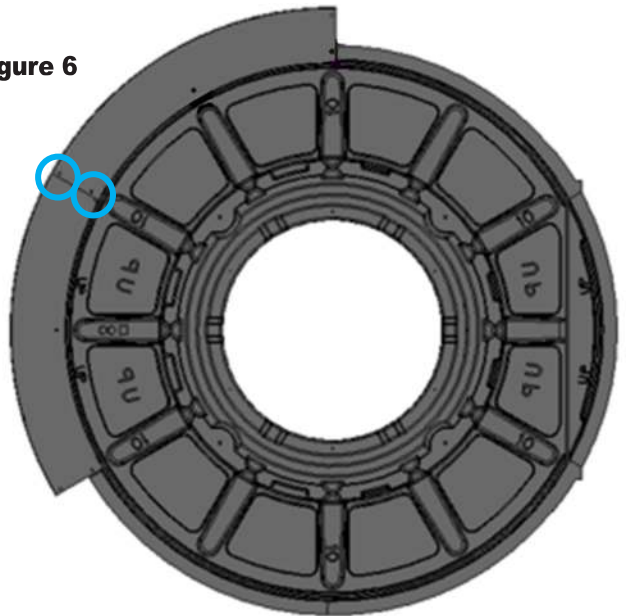
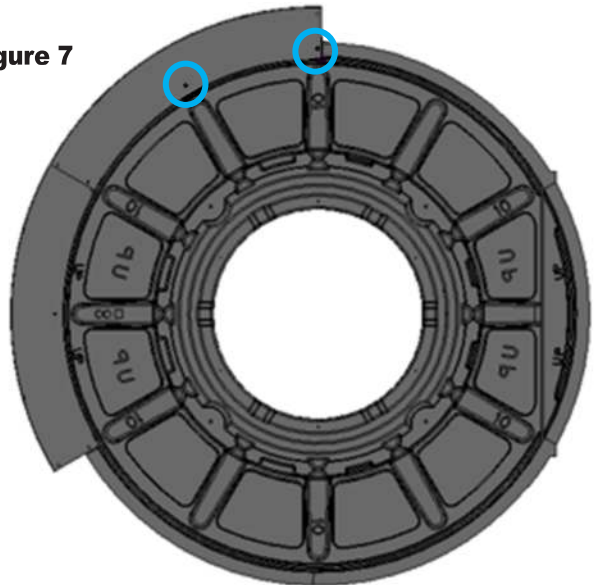


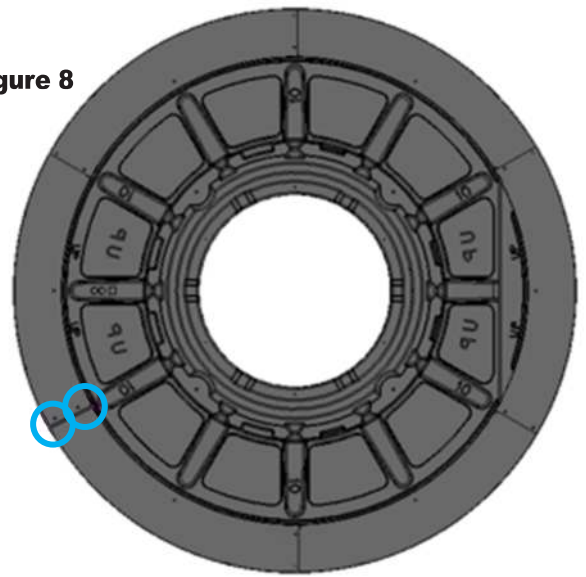
Figure 7

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



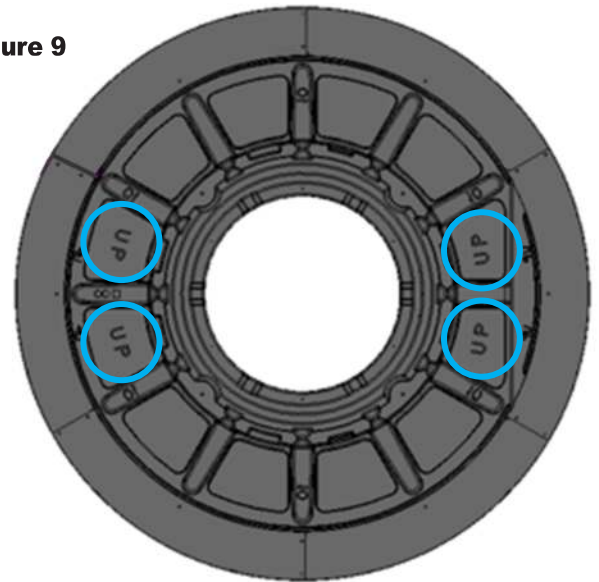
8. The third plate slides under the second plate. Continue the pattern all the way around the baffle. Bolt the plates and baffle together until it is one complete piece (Figure 8). When you get to bolting the last plate in place, align holes 3 and 5 of the last plate with holes 1 and 4 of the first plate. 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.

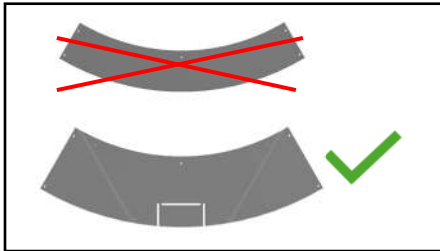
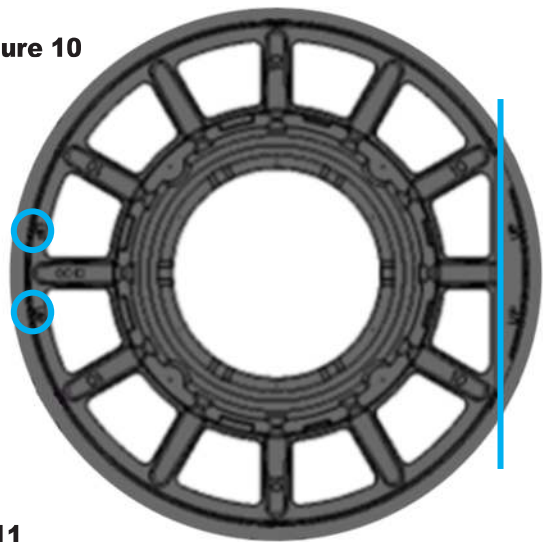


Figure 10



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 11

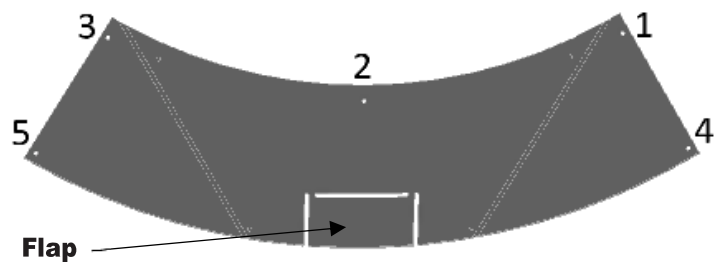


Figure 12

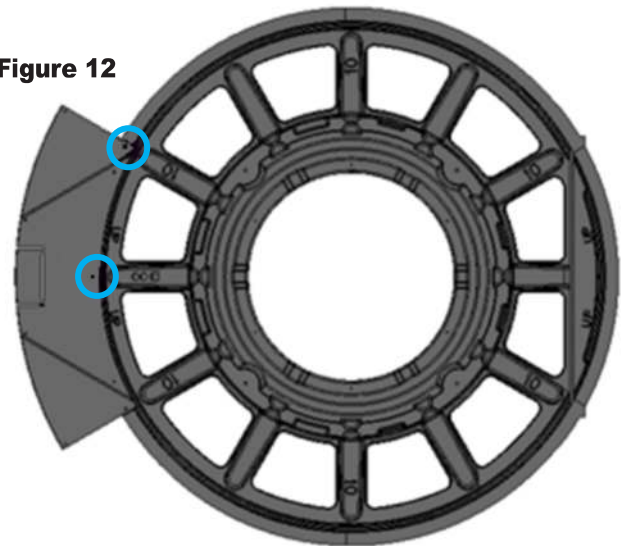
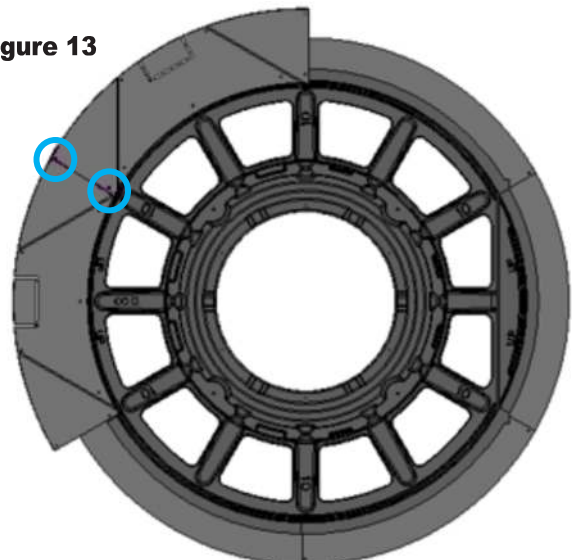


Figure 13



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

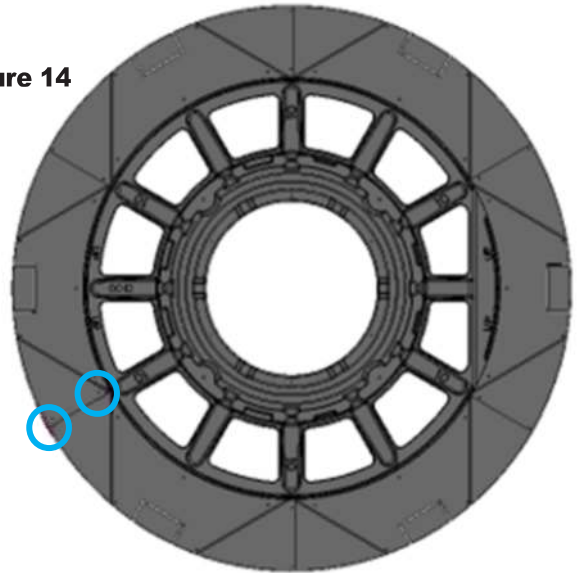
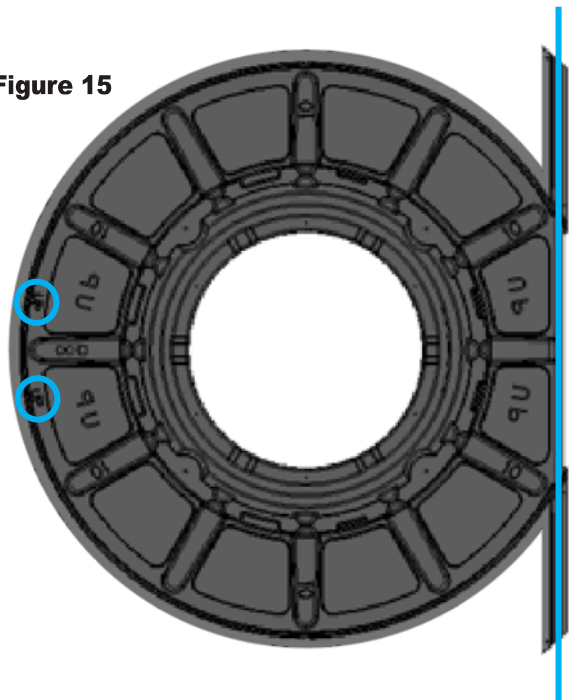


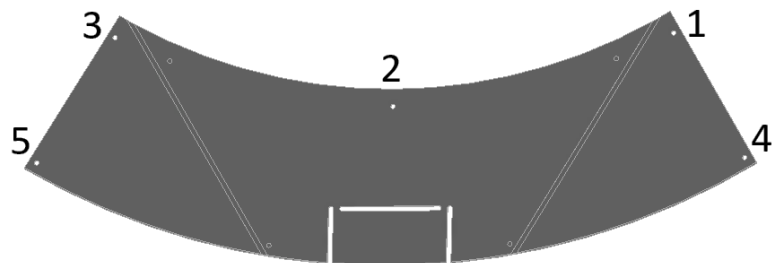
Figure 15



2C: Top Baffle (C)

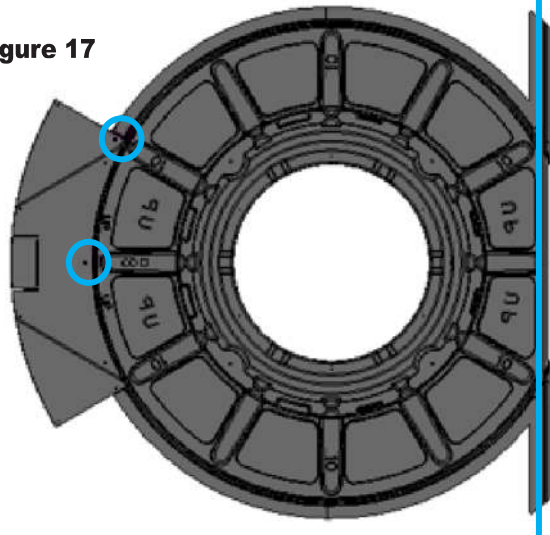
1. Place Top Baffle (C) on ground with small “UP” (circled) letters reading correctly (Figure15). Note the location of the weir slot (line). You will need to assemble 1 of these baffles.
2. Get one of the large plates (Figure 16) (16” wide, flap cutout). The hole numbers in Figure 16 will be referred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

Figure 16



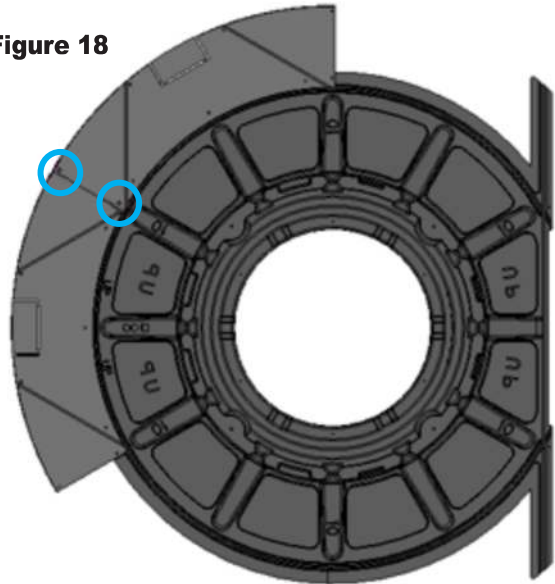
3. Starting opposite the weir slot, place the large plate in the recessed area. There is a registration mark, similar to the one shown in Figure 3, on the baffle to help you align the center. It is near the manufactured date wheels on the part. Hole 2 aligns with the registration mark. The entire plate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

Figure 17



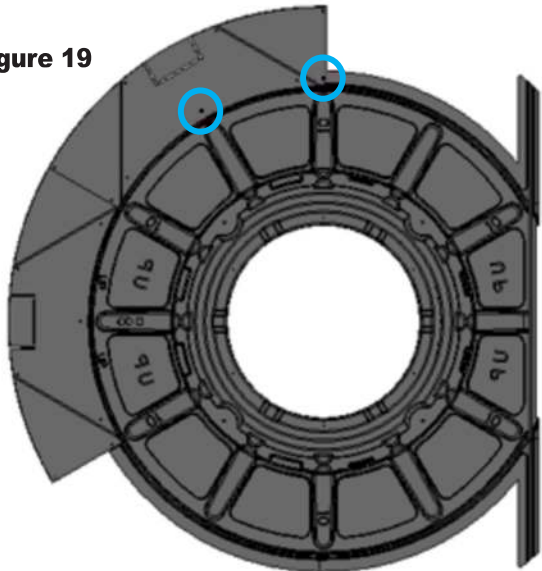
4. Drill the 2 holes as shown (Figure 17).
 - a. Start with hole 2. Use $\frac{5}{16}$ " drill to drill hole through baffle, using plate as a guide.
 - b. Bolt with $\frac{1}{4}$ " x 1.5" bolt, washers, and nut.
 - c. Flex plate to match the radius of the baffle.
 - d. Drill hole at location 3. **Do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

Figure 18



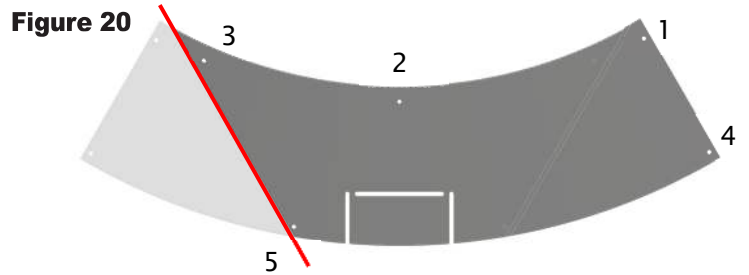
5. Add a second plate. The second plate will overlap **on top** of the first plate. Line up plates and bolt holes 5 (of plate 1) & 4 (of plate 2) together as shown (Figure 18). Bolt holes 3 (of plate 1) & 1 (of plate 2) and the baffle together.

Figure 19



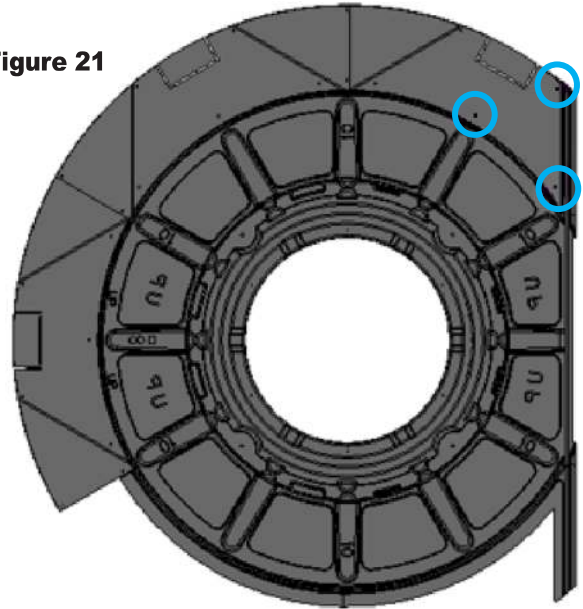
6. Drill hole 2 & 3 on the second plate. Bolt hole 2. (Figure 19)

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.

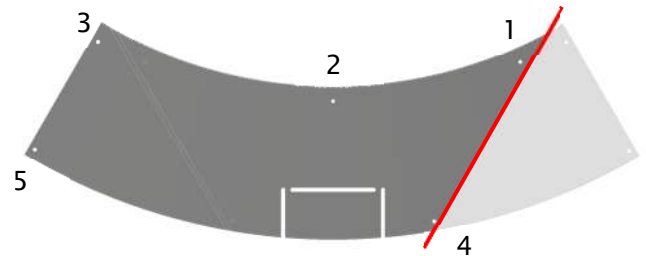
Figure 21



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.

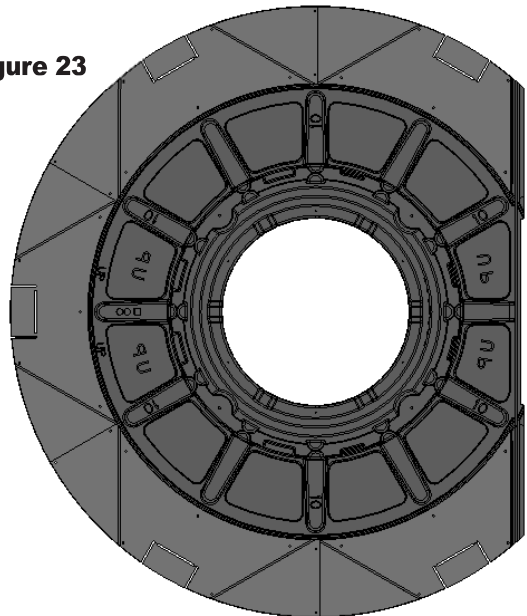
Figure 22



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

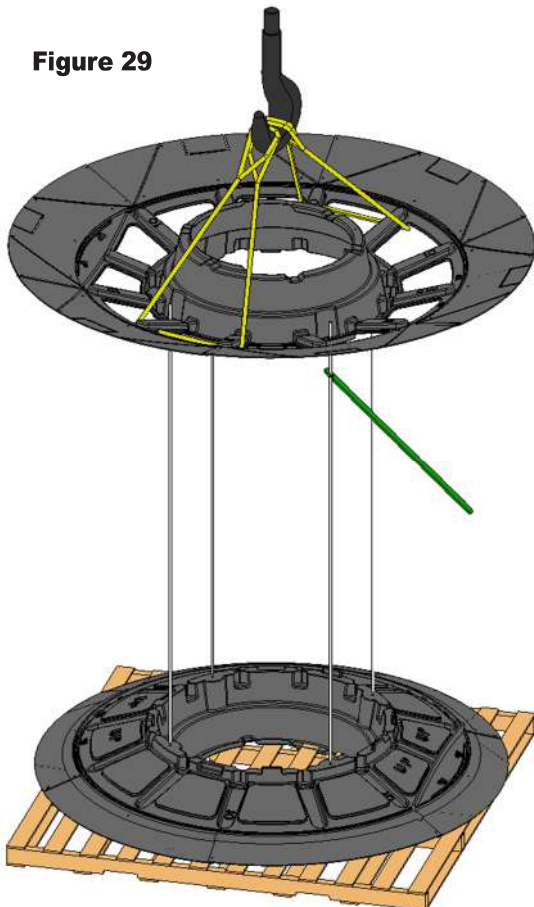


Figure 24

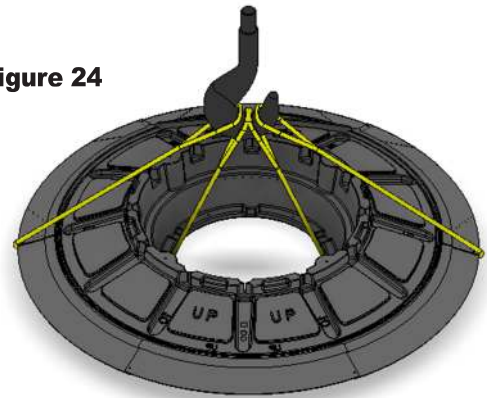


Figure 25



Figure 26



Figure 27

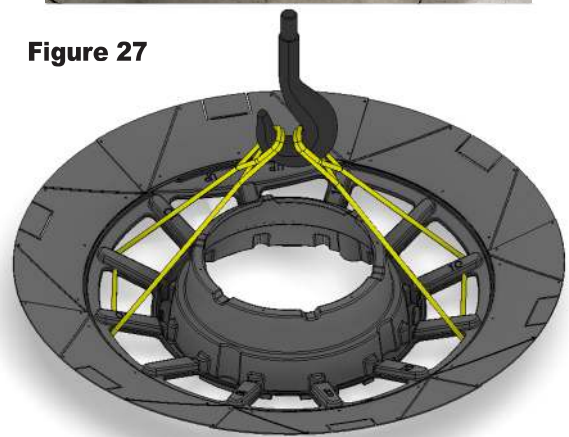
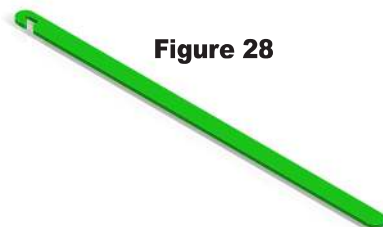


Figure 28



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



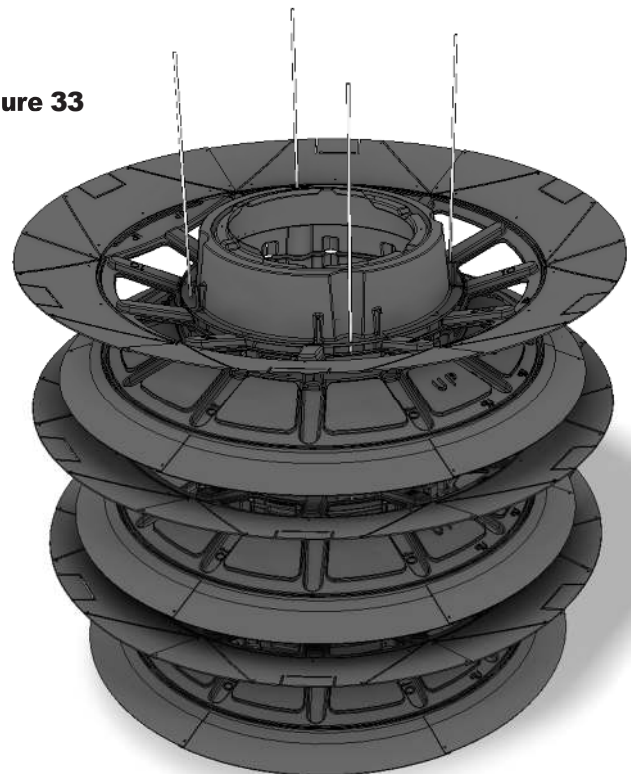
Figure 32



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

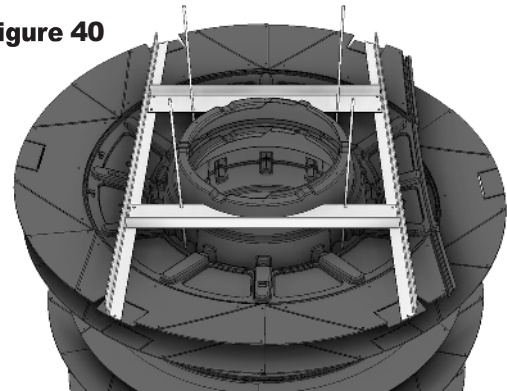


Figure 41



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



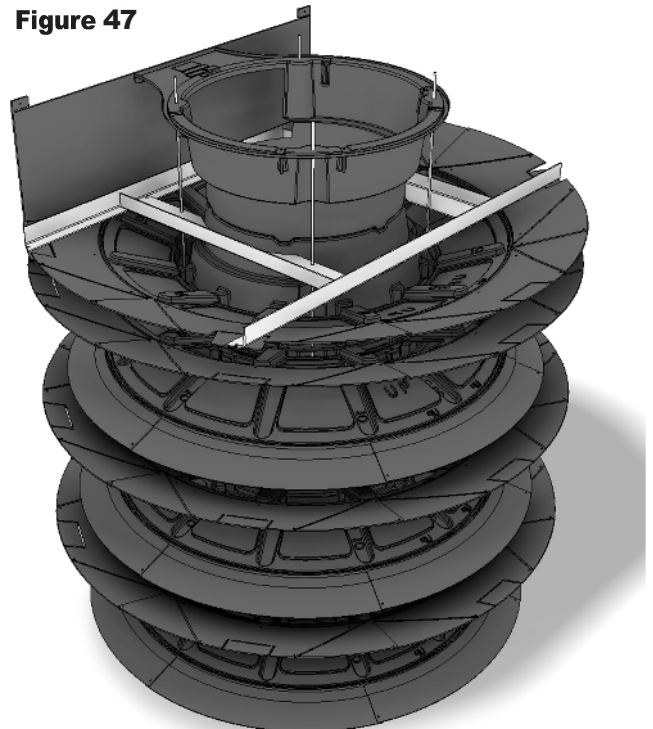
Figure 45



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

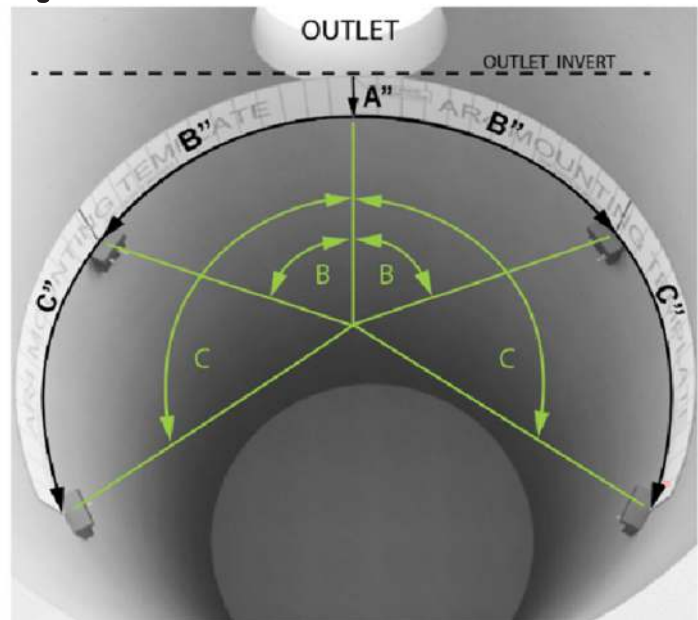


Table 1: Angular Measurements

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

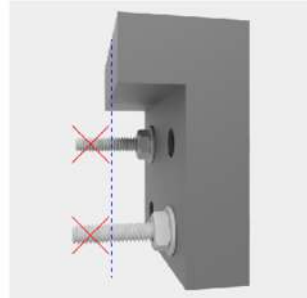
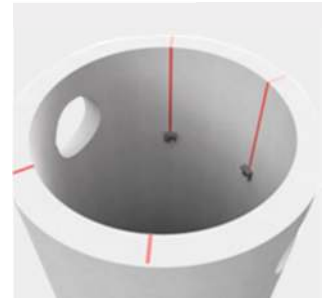


Figure 52



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



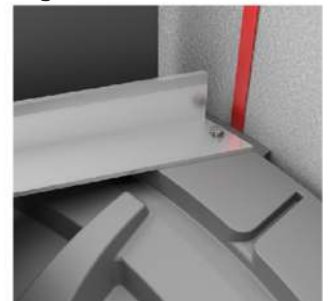
Figure 59



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

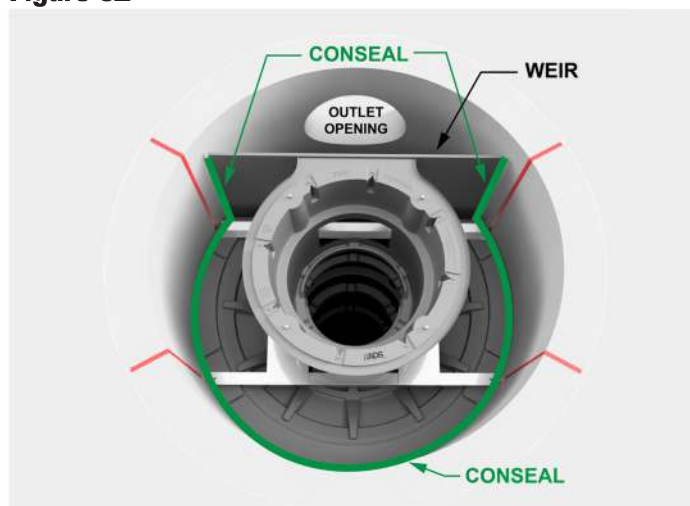


Figure 63

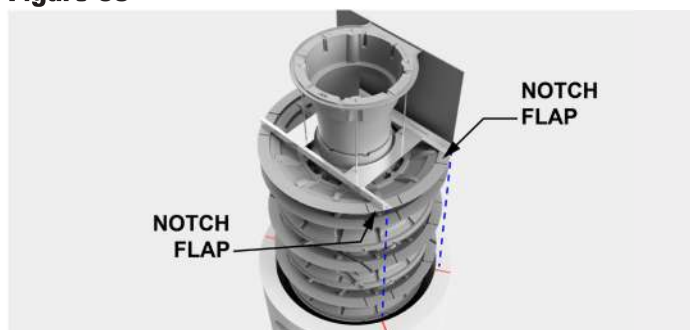


Figure 64

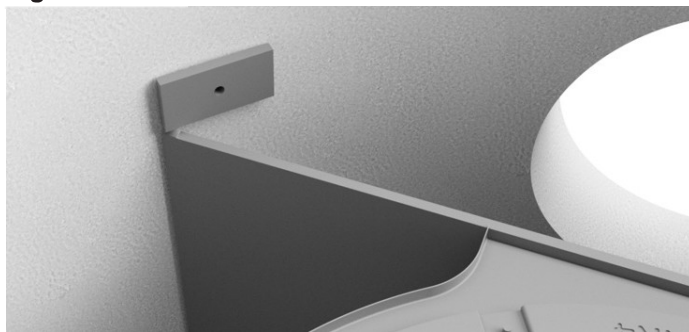
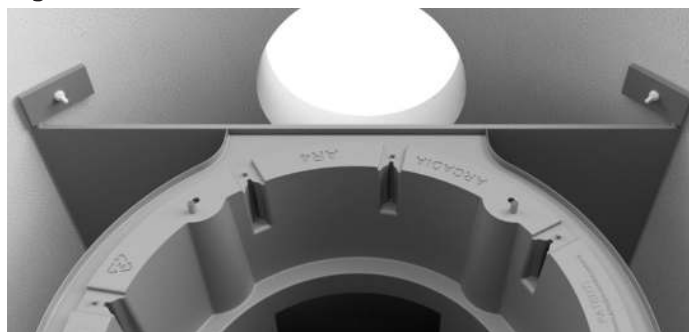


Figure 65



Job Name: 24-4271C Lloyd 4U Tekoppel Ave Water Main Relocation
Job Location: Evansville, IN
Contractor: Blankenberger Brothers, Inc.

Plant: Beaver Dam
8/7/2026 11:26:31 AM

Tech: J. Coppage
PC: A. Chambers



Structure ID: STR 31B

P2 BX2436-06R-VH

BOX RISER 6inW, Variable Ht

P3) 24" x 36" - CASTING HEIGHT - 8"
P2) 24" x 36" - BOX RISER 6inW, Variable Ht - 24"
P1) 24" x 36" - BOX BASE 6inW, 8inF, Variable Ht - 35"
2) 24" x 36" - SGL 1"x14.5' Butyl
1) Hole - 20
1) Hole - 4
1) Hole - 6

0 lb
1759 lb
3491 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 5250 lb

Structure Notes: .
1. INDOT INLET TYPE J / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
5. CASTING BY OTHERS.
6. THIS IS FOR THE RISER SECTION (P2) ONLY.
THE BASE SECTION (P1) HAS BEEN PREVIOUSLY PROVIDED.

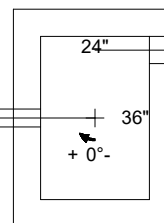
Rim: 376.5' Rim to Invert: 5.7' Slack: 3.4" Sump: 2" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	374.9'	90°	24"	2" HDPE DR17	2.375"	Hole 4	4"	4"	16.052"	0"
Invert 3	374.73'	270°	9"	3" HDPE DR17	3.5"	Hole 6	6"	6"	13.942"	-15"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

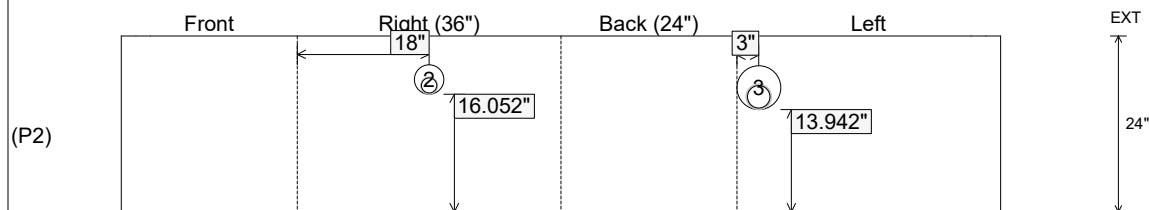


Invert: 2
Degree: 90°
Horz: 18"
Hole: 4"
Up(): 16.052"



Invert: 3
Degree: 270°
Horz: 3"
Hole: 6"
Up(): 13.942"

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"
Floor Height: 0"

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

Weight (Net): 1759 lb
Volume (Net): 0.45cu.yd

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

Plant: 100

7/22/2026 12:46:55 PM

Tech: Jared - F

PC: T. Ryan



Structure ID: 335-138 DBI13G

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 F/n - 42"
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
1) Hole - 18
2) Hole - 4

Structure Total:

0 lb
963 lb
4995 lb
0 lb
0 lb
0 lb
0 lb
5958 lb

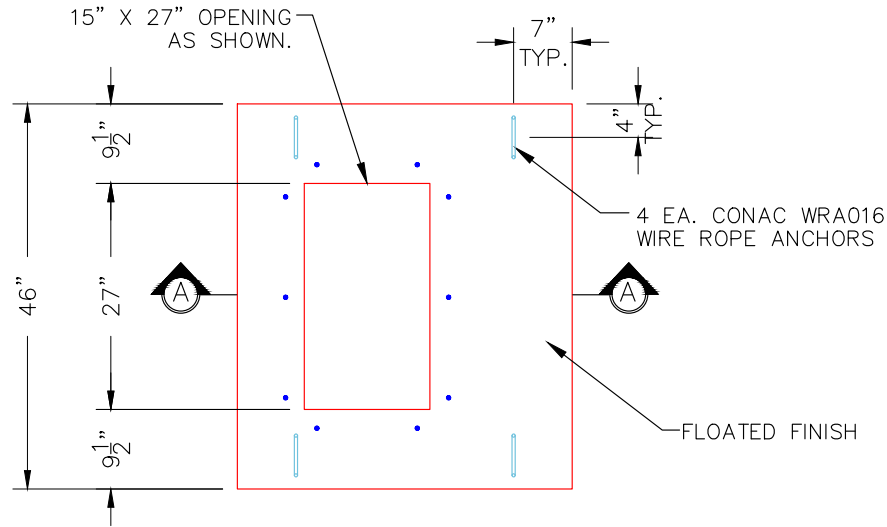
Structure Notes:

****KYTC STATE PROJECT****

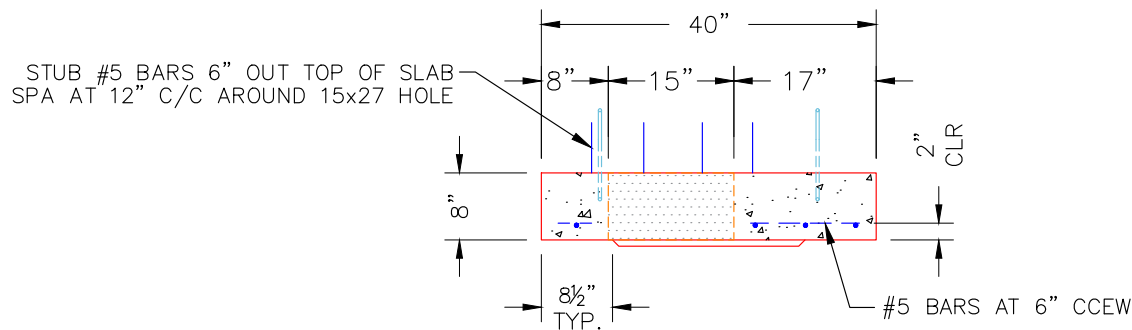
1. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. STUB #5 BARS 6" OUT TOP OF WALLS (SPA@12" C/C).
4. CASTING SUPPLIED BY OTHERS (HOE KY-230-G F/G (GRADE)).

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 12" C.C.E.W..
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



SECTION A-A

NOTES:

1. MANUFACTURED TO ASTM C-913 (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: Flat

Wall Thickness: 8"

Height (Ext): 8"

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

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

Plant: 100

7/23/2026 3:00:51 PM

Tech: Jared - F

PC: T. Ryan



Structure ID: 37887-149 MHC

P3 BX048048-12TS48

CB FT REDUCER 48" HOLE T/F

P8) 24" - CASTING HEIGHT - 4"
P7) 24" - GRADE RING F/F - 4"
P6) 48" - ECC CONE w/ 24" HOLE F/G - 42"
P5) 48" - MH RISER T/G - 72"
P4) 48" - MH RISER T/G - 72"
P3) 48" x 48" - CB FT REDUCER 48" HOLE T/F - 12"
P2) 48" x 48" - BOX RISER 8inW F/G - 36"
P1) 48" x 48" - BX BASE w/FLANGE 08W/12F/08EF T/n - 48"
2) 48" x 48" - Conseal CS-102 1.00"
3) 48" - Conseal CS-102 1.00"
2) 24" - Conseal CS-102 1.00"
2) Hole - 40
1) Hole - 18
24) MH Step ML-10-TDS-NCR - 10"

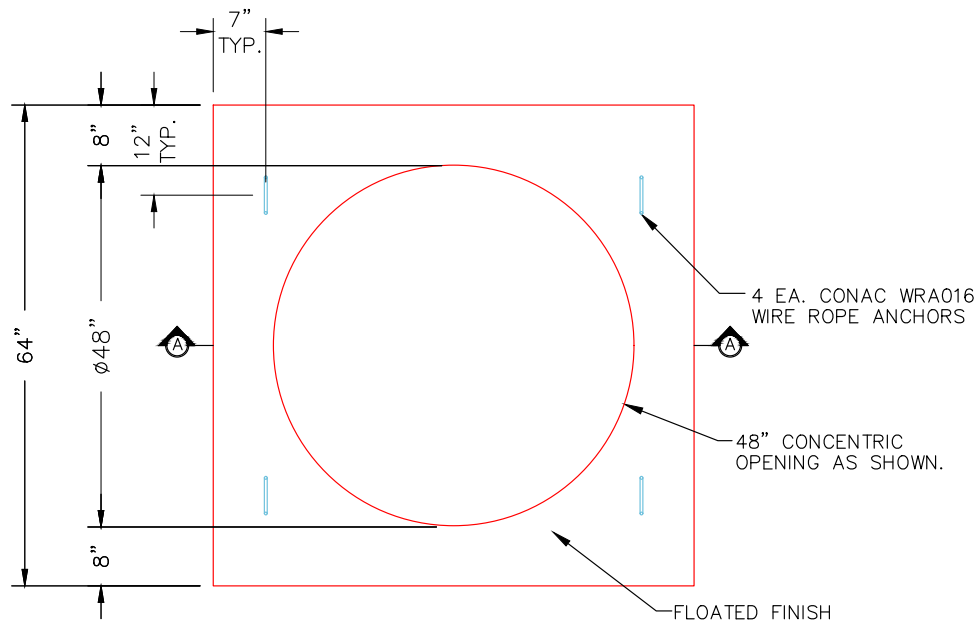
0 lb
270 lb
3200 lb
5030 lb
5030 lb
2302 lb
5216 lb
11975 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

33023 lb

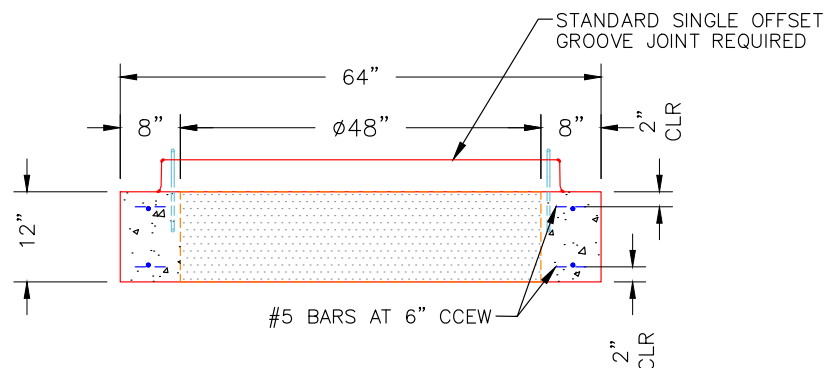
Structure Total:

Structure Notes: ** KYTC STATE PROJECT**

1. PER KYTC MANHOLE TYPE C / ASTM C913 SPEC'S.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING SUPPLIED BY OTHERS (HOE KY-206 F/C (KY TY1)).
 4. SECONDARY POUR REQ'D FOR EXTENDED FLANGE(8"WD x 12" THICK).
- REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As.12)
- RISER/WALLS (As.12)
- TRANS. SLAB #5's AT 6" C.C.E.W (DBL MAT).
- WALLS #5's AT 6" C.C.E.W.
- FLOOR #5's AT 12" C.C.E.W..



PLAN VIEW



SECTION A-A

NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" O.C. E.W. (DOUBLE MAT) (GRADE 60).

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 12"

Weight (Net): 2302 lb
Volume (Net): 0.59cu.yd

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

Plant: 100

7/22/2026 12:46:53 PM

Tech: Jared - F

PC: T. Ryan



Structure ID: 37887-150 ST- JB

P2 BX036048-12TS48

CB FLAT TOP 8"W SOLID F/F

- P2) 36" x 48" - CB FLAT TOP 8"W SOLID F/F - 12"
P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 44"
1) 36" x 48" - Conseal CS-102 1.00"
2) Hole - 40
2) Hole - 16

3351 lb
6122 lb
0 lb
0 lb
0 lb

9473 lb

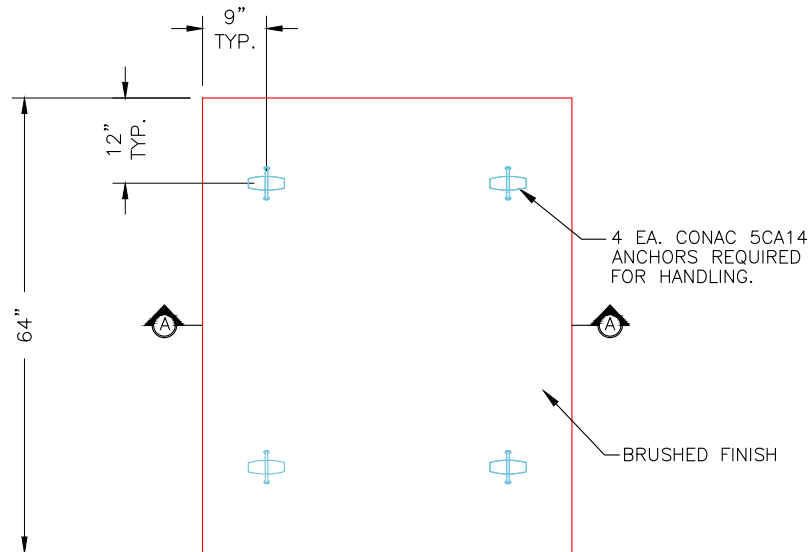
Structure Total:

Structure Notes:

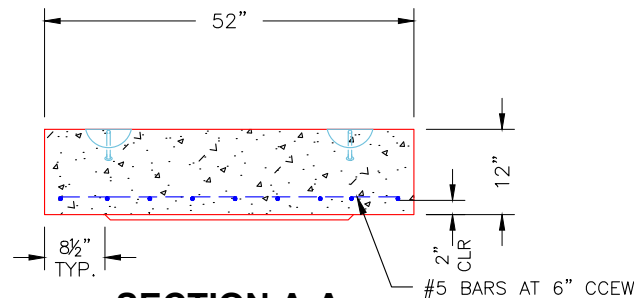
**** KYTC STATE PROJECT ****

1. KYTC JUNCTION BOX / PER ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. SOLID TOP SLAB - NO CASTING.

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.



PLAN VIEW



SECTION A-A

NOTES:

1. MANUFACTURED TO ASTM C-913 (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: Flat

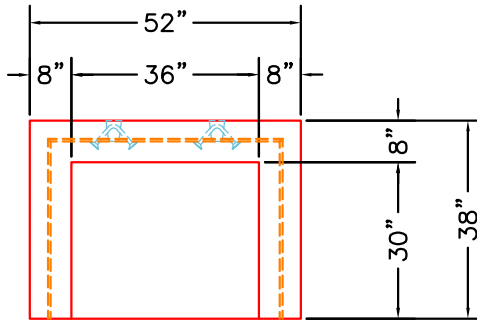
Wall Thickness: 8"

Height (Ext): 12"

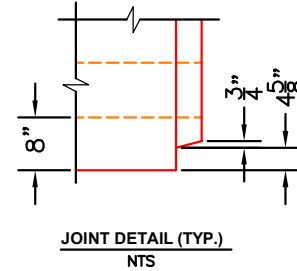
Weight (Net): 3351 lb
Volume (Net): 0.86cu.yd

GENERAL NOTES

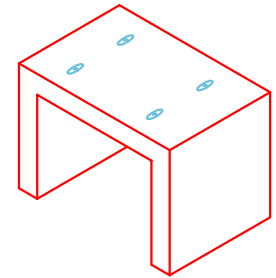
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCING: PER ASTM C1577 (GRADE 60). SEE ATTACHED STAMPED DESIGN CALCULATIONS.
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAS).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 36" X 30" X 48" LONG SECTION = 3,609 LBS.



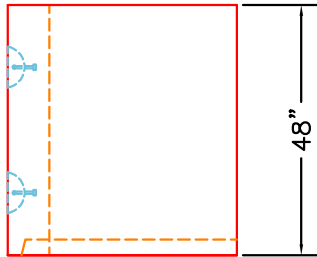
END VIEW



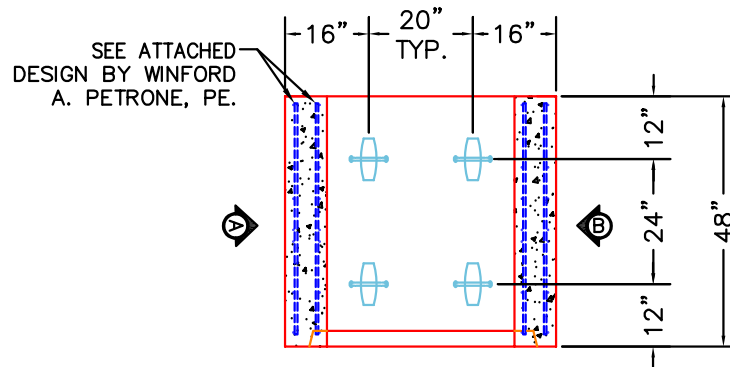
JOINT DETAIL (TYP.)
NTS



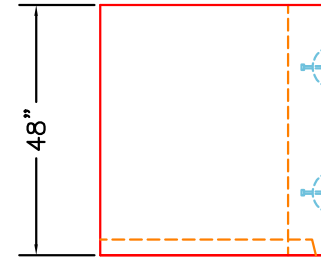
COMPONENT
ISOMETRIC VIEW



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

4 EA. CONAC 5CA14
LIFTING ANCHORS

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 3,609 LBS.

TOP JOINT: FLAT

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 36" X 30" X 48" LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 36" X 30" X 48" BOX CULVERT (P1)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/31/26

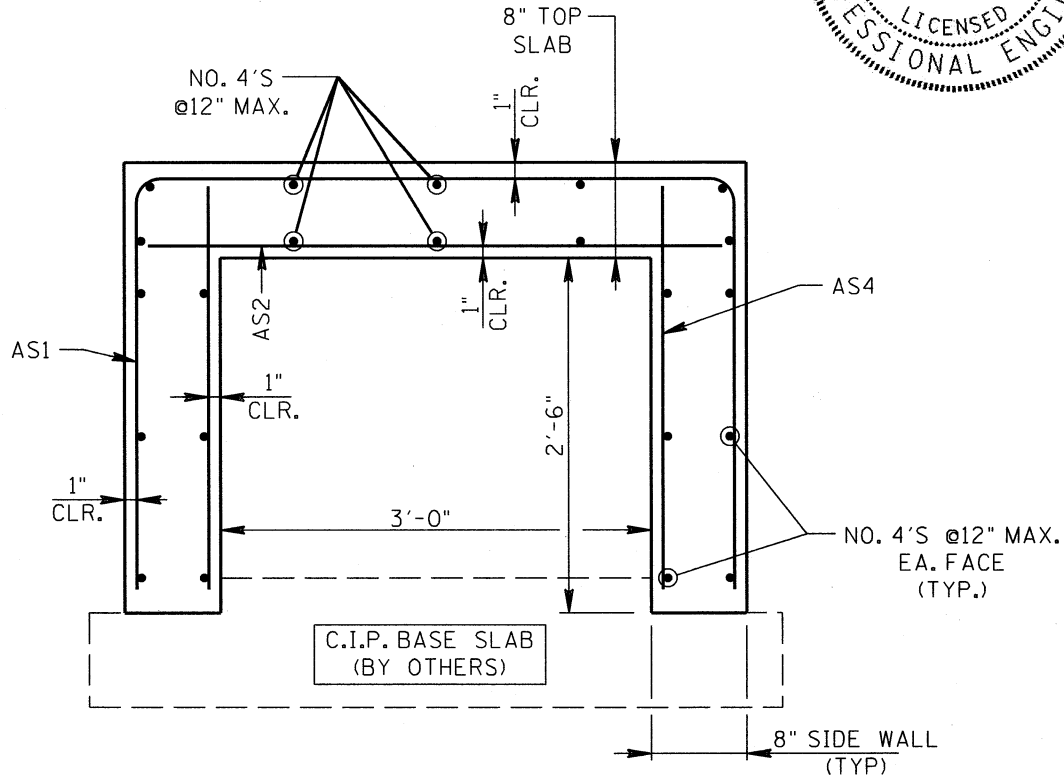
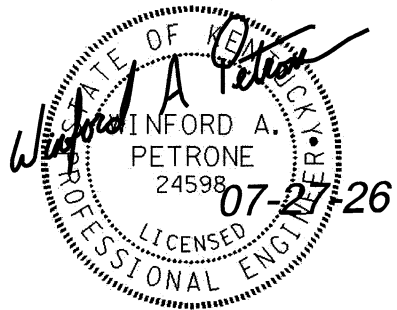
SCALE: NTS

PG. 1 of 1

58/60

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

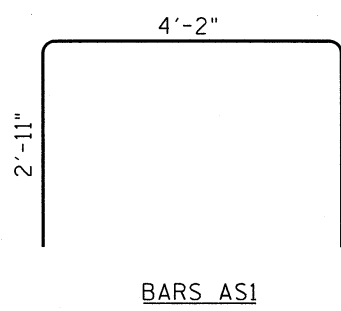
NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.



PRECAST TUNNEL SECTION
3'-0"X2'-6" STEAM TUNNEL RUN #2
NON-BEND UNITS

NOTE: CLEARANCE BETWEEN CUT-OFF ENDS OF BARS AND OUTSIDE FACES OF CONCRETE=2".

REINFORCING STEEL		
LOCATION	REQUIRED	COMMENTS
AS1	NO. 4'S@10"	BEND AS SHOWN
AS2	NO. 4'S@10"	EXTEND TO EXTER. FACES
AS3	NOT USED	NOT USED
AS4	NO. 4'S@12"	



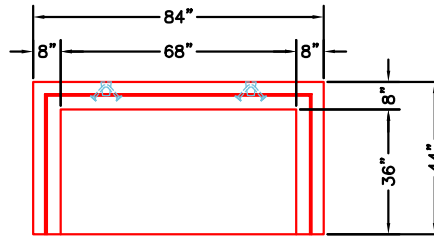
AS1, AS2, AND AS4 REINFORCING BARS
Fy-min=60 K.S.I.

THIS SECTION TO BE USED FOR ALL
RUN #2: NON-ANGLED UNITS,
RECTANGULAR IN PLAN VIEW.

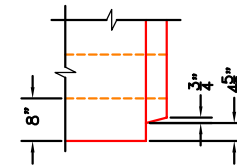
SK-4

GENERAL NOTES

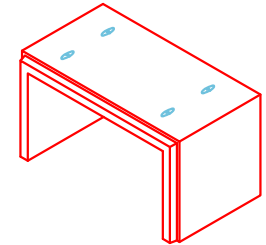
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. 2. CONCRETE: 5,000 PSI AT 28 DAYS
3. .LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCEMENT PER ATTACHED DESIGN BY WINFORD A. PETRONE, PE
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 68" X 36" X 81 $\frac{5}{8}$ " LONG SECTION = 8,478 LBS.



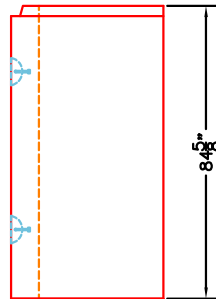
END VIEW



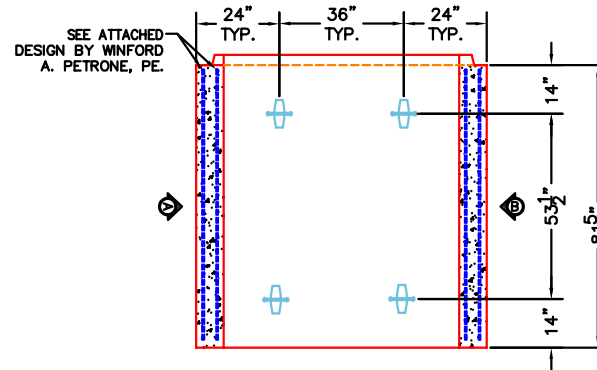
JOINT DETAIL (TYP.)
NTS



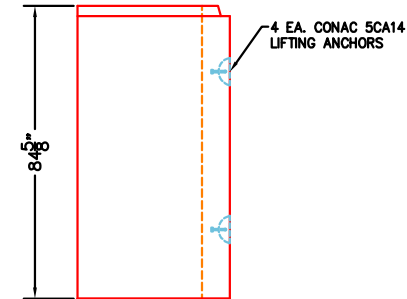
COMPONENT
ISOMETRIC VIEW



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 8,478 LBS.

TOP JOINT: TONGUE

BOTTOM JOINT: FLAT

QC CHECK INITIALS:

DESCRIPTION: 68" X 36" X 81 $\frac{5}{8}$ " LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 68" X 36" X 81 $\frac{5}{8}$ " BOX CULVERT (P1)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

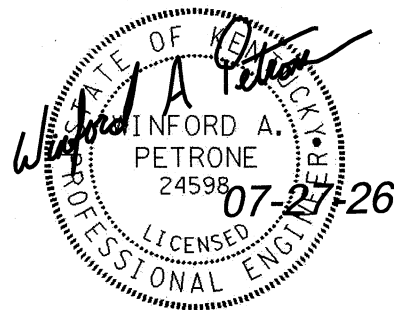
DATE: 07/31/26

SCALE: NTS

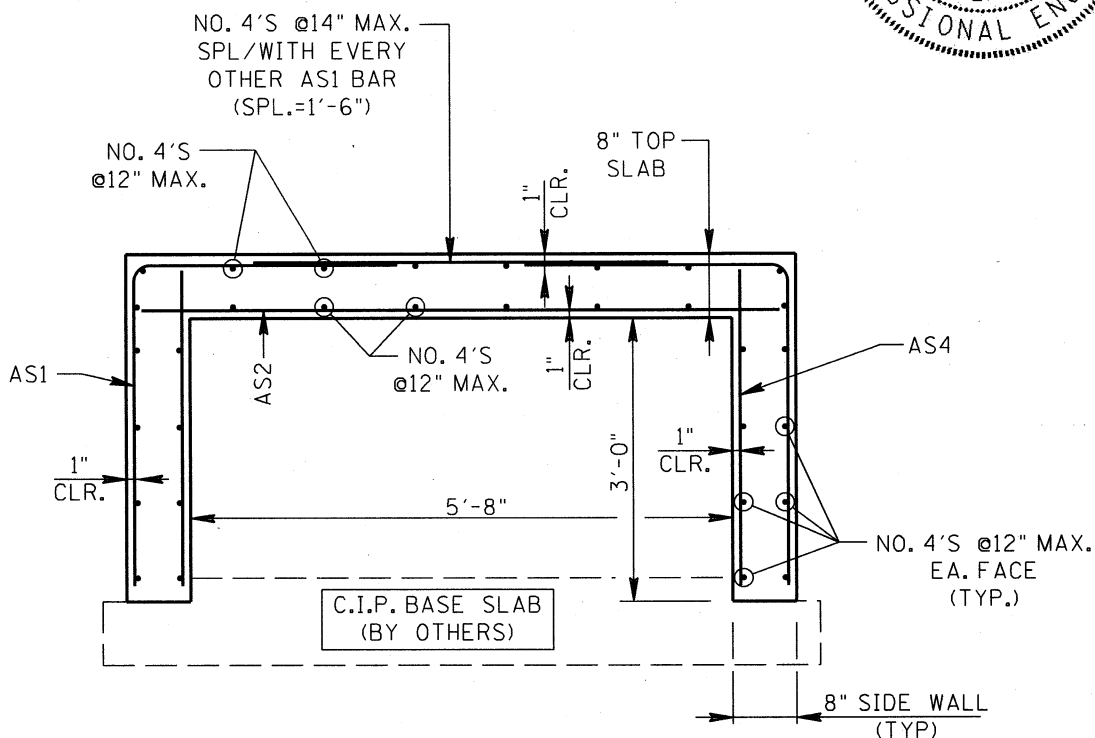
PG. 1 of 1

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

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



55/60

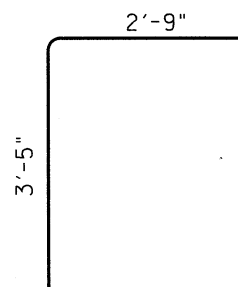


PRECAST TUNNEL SECTION

5'-8"X3'-0" STEAM TUNNEL RUN #1
NON-WEDGED UNITS

NOTE: CLEARANCE BETWEEN CUT-OFF
ENDS OF BARS AND OUTSIDE
FACES OF CONCRETE=2".

REINFORCING STEEL		
LOCATION	REQUIRED	COMMENTS
AS1	NO. 4'S@7"	BEND AS SHOWN
AS2	NO. 4'S@7"	EXTEND TO EXTER. FACES
AS3	NOT USED	NOT USED
AS4	NO. 4'S@12"	



BARS AS1

AS1, AS2, AND AS4 REINFORCING BARS

Fy-min=60 K.S.I.

THIS SECTION TO BE USED FOR ALL
RUN #1: NON-WEDGED UNITS,
RECTANGULAR IN PLAN VIEW.

SK-1

PRECAST STEAM TUNNELS: RUN NO.1, TYPICAL UNIT SECTION

UK BP9 SITE THERMAL AND ELECTRIC: 5'-8"X3'-0" STEAM TUNNEL RUN #1

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

Plant: 100

6/5/2026 9:04:29 AM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 544

P2 BX024030-08LD08-15X27

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

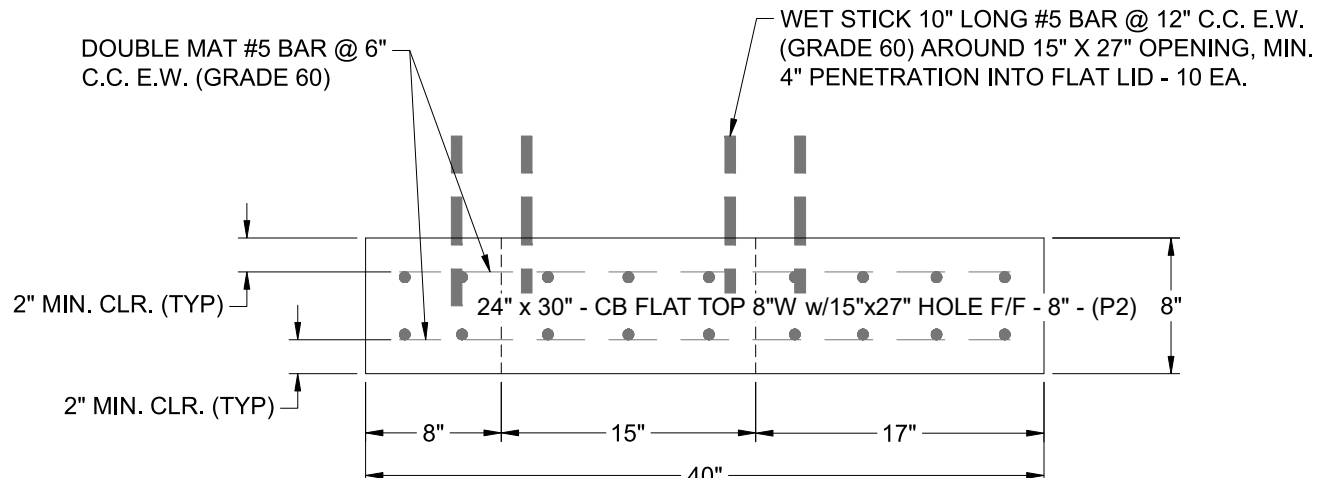
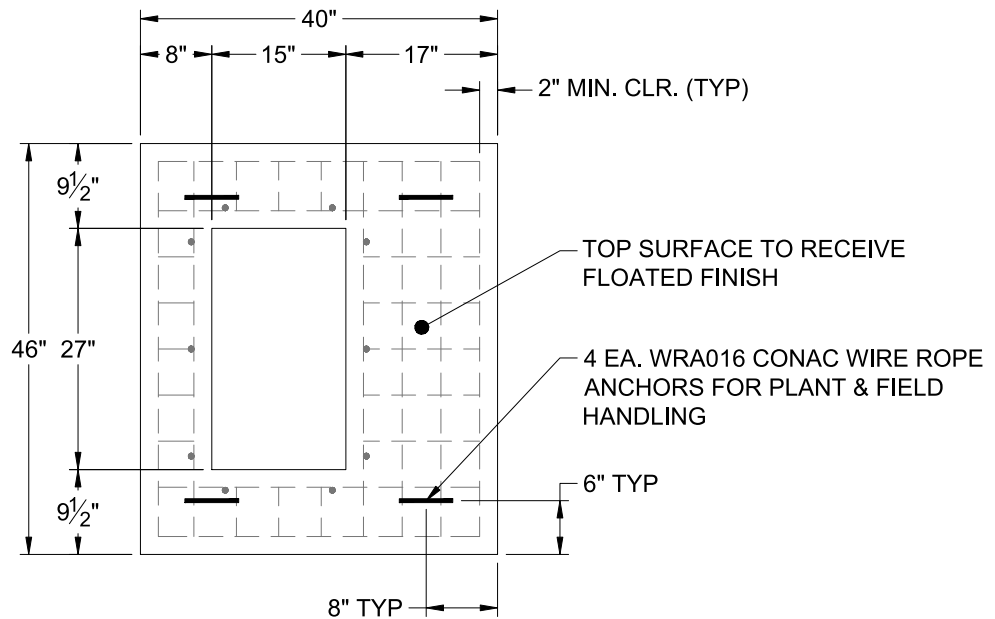
- P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht F/n - 44"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
1) Hole - 24
2) Hole - 4

0 lb
963 lb
5050 lb
237 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 6250 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: 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: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

6/5/2026 9:04:28 AM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 542

P3 BX024030-08LD08-15X27

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

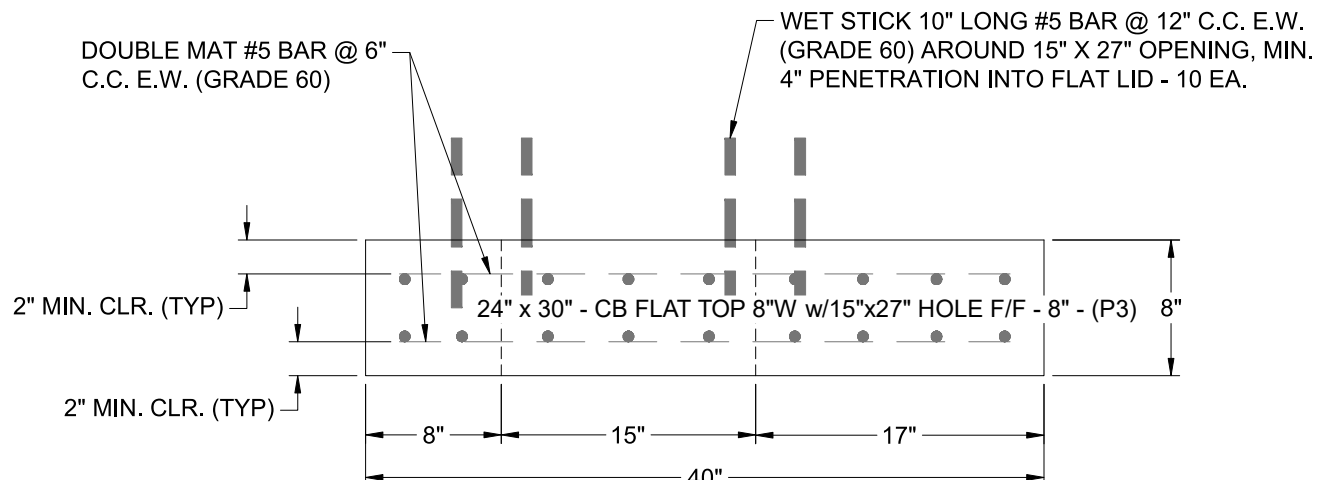
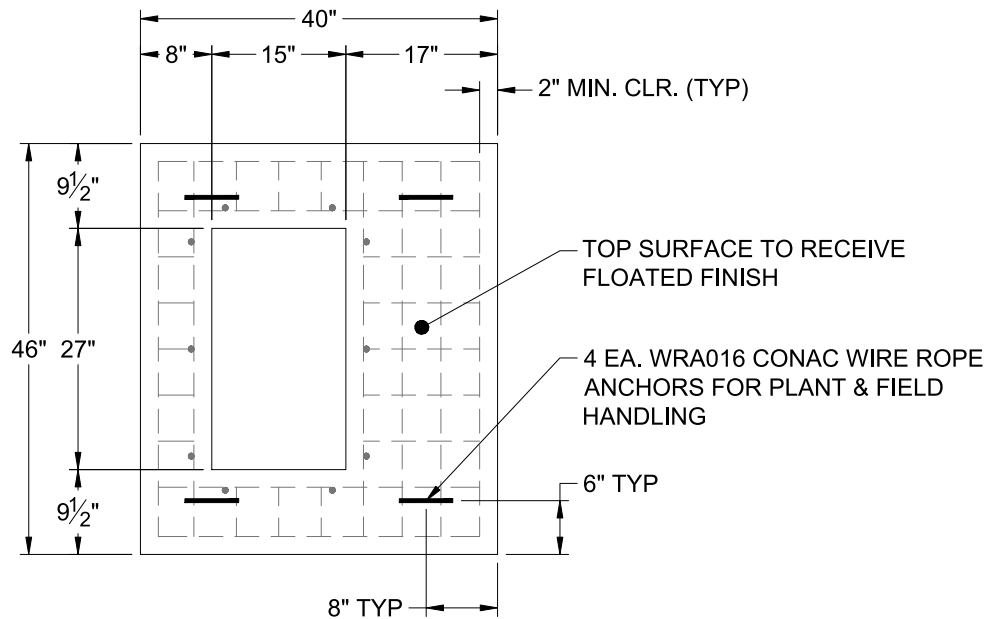
- P4) 15" x 27" - P.I.P. - BY OTHERS - 8"
P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"
P2) 24" x 30" - BOX RISER 8inW F/G - 24"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 35"
1) CASTING - HOE KY-230-G F/G (GRADE)
2) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
3) Hole - 24
2) Hole - 4

Structure Total: 7128 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: 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