

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 1:50:20 PM

Tech: S. Felletter
PC: T. Ryan



Structure ID: WQU1

P5 MH120LD18

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

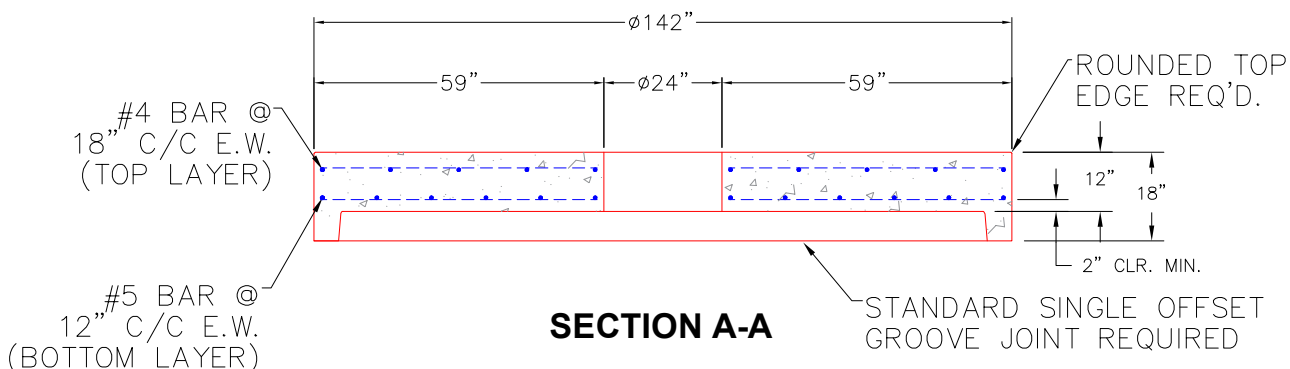
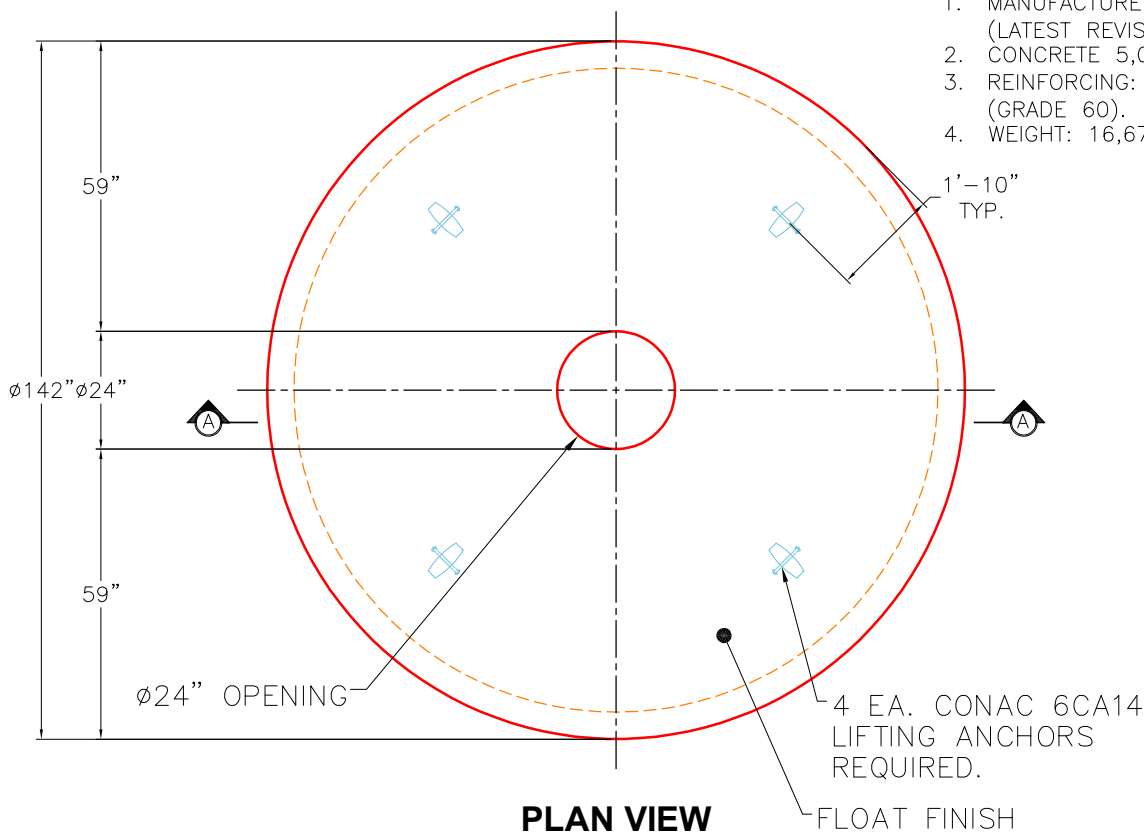
P7) 24" - CASTING HEIGHT - 7"
P6) 24" - GRADE RING F/F - 3"
P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18"
P4) 120" - MH RISER T/G - 36"
P3) 120" - MH RISER T/G - 96"
P2) 120" - MH RISER T/G - 96"
P1) 120" - MH BASE T/h - 24"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL 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
0 lb
Structure Total: 127865 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.

GENERAL NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 11"

Height (Ext): 18"

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

Job Name: 26-3051 ADS Aiken Ridge Ph.2

Job Location: Louisville, KY

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

7/27/2026 1:50:59 PM

Tech: S. Felletter

PC: T. Ryan



Structure ID: WQU1

P2MH120RS96MH 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 Total: 127865 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MC-420 F/C LOU-MSD "STORM").

4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.

5. ASSEMBLY REQUIRED - BRACKETS ONLY.

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .36)

- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Rim: 642.5'

Rim to Invert: 9.85'

Slack: 0.2"

Sump: 162"

Step Position:

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										

(P7)

(P6)

(P5)

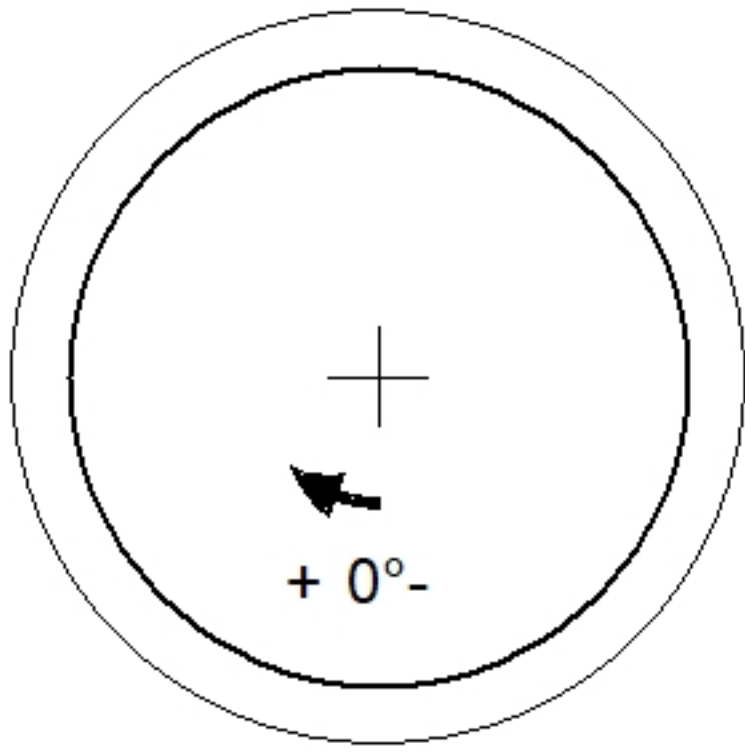
(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

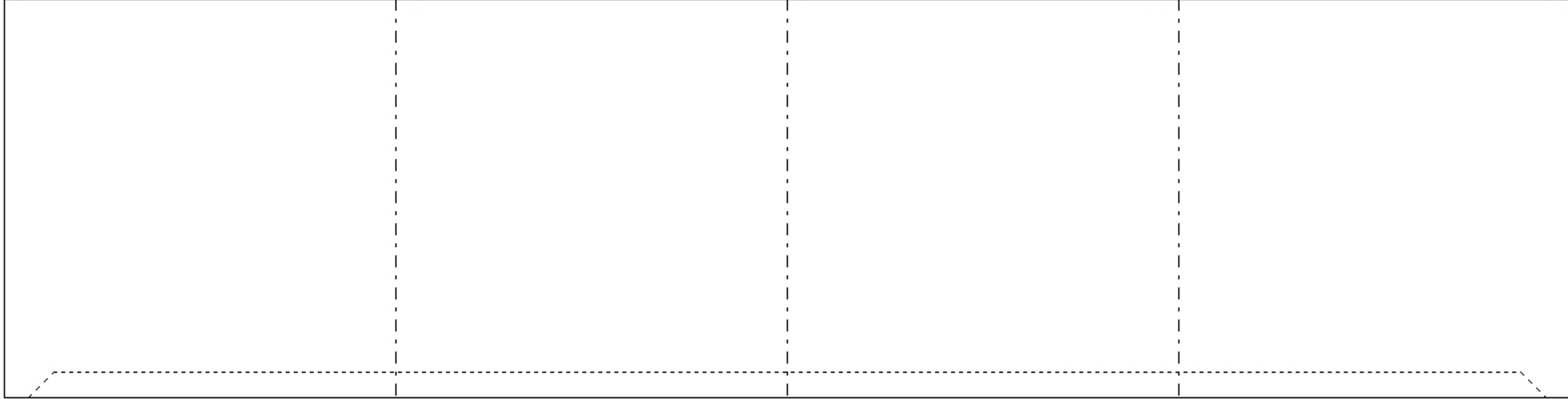
0°

90°

180°

270°

360°



(P2)

96"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 11"

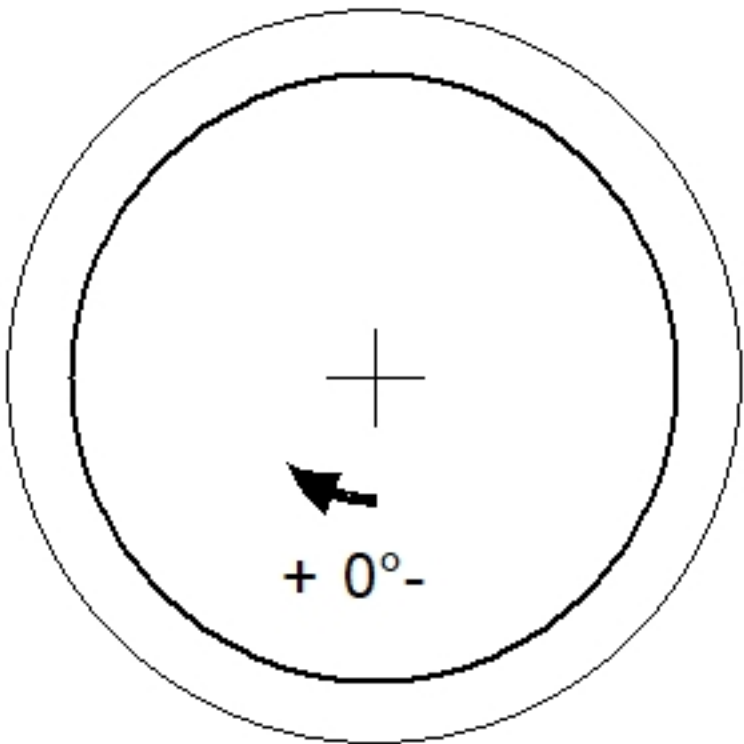
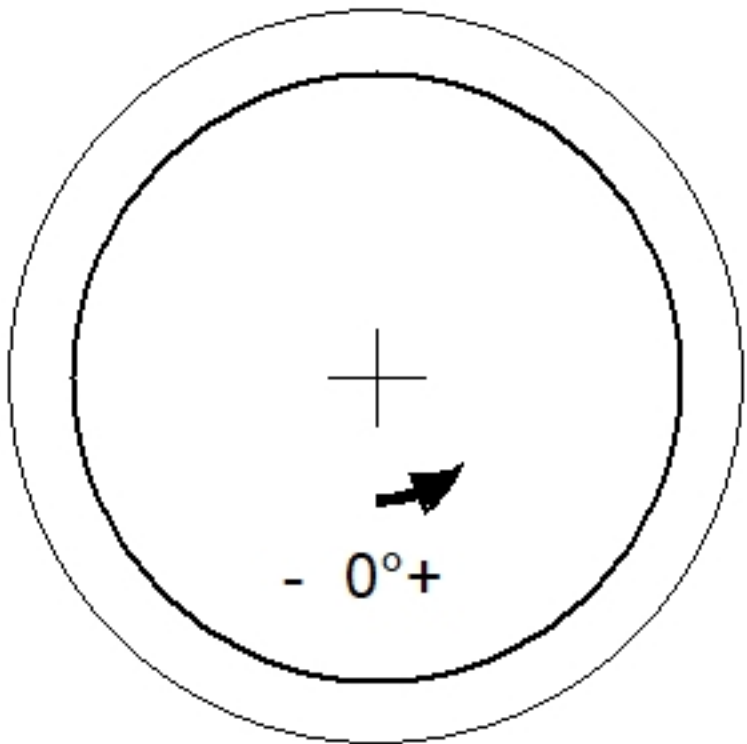
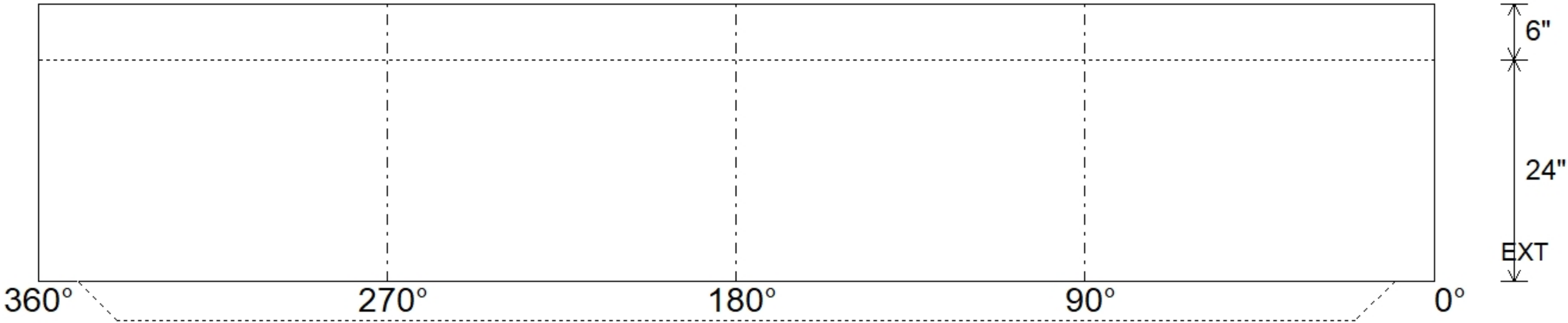
Floor Height: 0"

Height (Int): 96"

Height (Ext): 96"

Weight (Net): 36468 lb

Volume (Net): 9.32cu.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 8:05:17 AM		Tech: S. Felletter PC: T. Ryan					
Structure ID: WQU-2											
P1		MH048BA24			MH BASE T/n						
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											
  											
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): 3007 lb Volume (Net): 0.77cu.yd	

Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

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Tech: Jared - A

PC: Celina Goff

Structure ID: MH 1-3-10 (11)

P1 MH048BA30

MH BASE

P5) 24" - CASTING HEIGHT - 7"

P4) 24" - GRADE RING - 4"

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

P2) 48" - MH RISER - 48"

P1) 48" - MH BASE - 30"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

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

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

3) PSX - 12-06 NYLO

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

0 lb

270 lb

3200 lb

3353 lb

3282 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

24 lb

0 lb

Structure Total: 11840 lb

Structure Notes:

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

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 889.74'

Rim to Invert: 10.67'

Slack: 0.04"

Sump: 3"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	879.07'	0°	0"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0"	0"
Invert 2	879.17'	168°	85.032"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.2"	0"
Invert 3	879.17'	215°	108.821"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 30"

Height (Ext): 36"

Weight (Net): 3282 lb

Volume (Net): 0.84cu.yd

Weight (Net): 3282 lb
Volume (Net): 0.84cu.yd

Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

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Tech: Jared - A

PC: Celina Goff



Structure ID: MH 1-1 (8)

P1 MH048BA30

MH BASE

P5) 24" - CASTING HEIGHT - 7"

P4) 24" - GRADE RING - 4"

P3) 48" - ECC CONE w/ 24" HOLE - 36"

P2) 48" - MH RISER - 36"

P1) 48" - MH BASE - 30"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

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

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

1) PSX - 12-08 NYLO

2) PSX - 12-06 NYLO

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

0 lb

270 lb

3000 lb

2515 lb

3282 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

8 lb

16 lb

0 lb

Structure Total: 10802 lb

Structure Notes:

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

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 904.04'

Rim to Invert: 9.4'

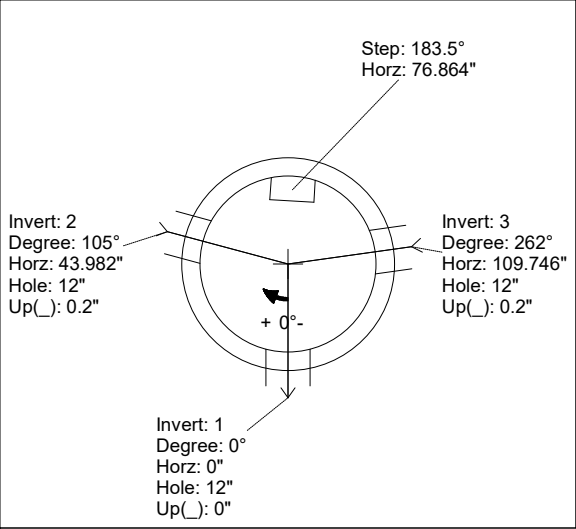
Slack: 1.8"

Sump: 2"

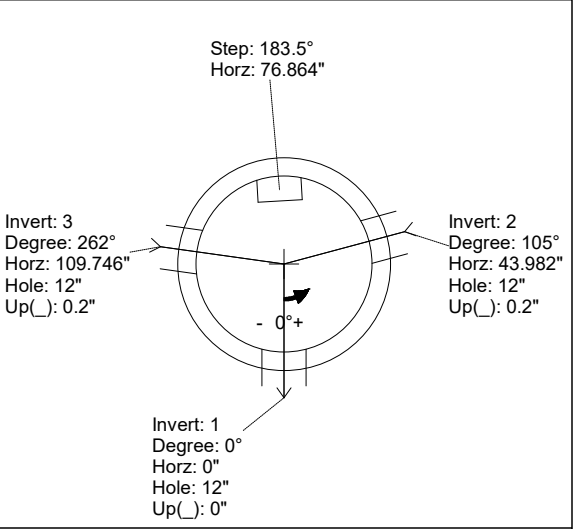
Step Position: 183.5"

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	894.64'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	894.74'	105°	53.145"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.2"	0"
Invert 3	894.74'	262°	132.61"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

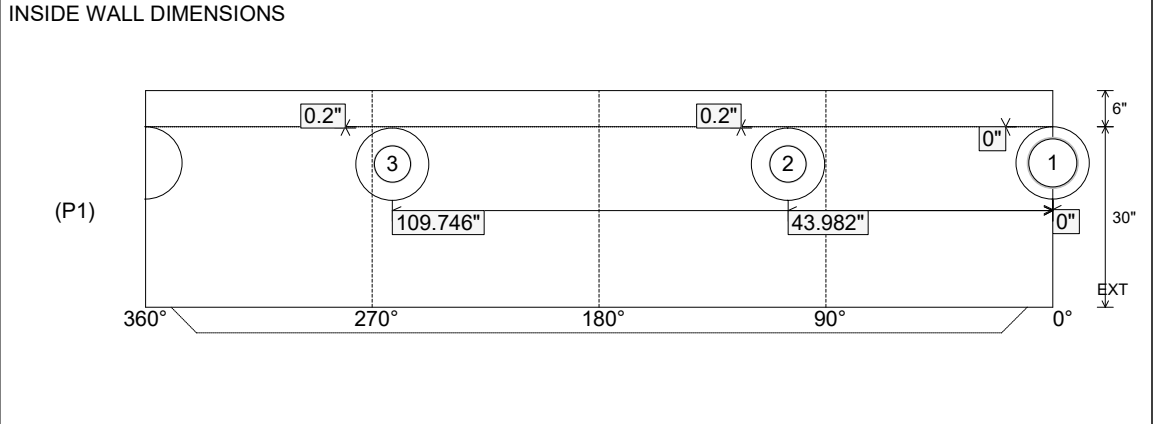
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 30"

Height (Ext): 36"

Weight (Net): 3282 lb

Volume (Net): 0.84cu.yd

Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

7/23/2026 12:03:40 PM

Tech: Jared - A

PC: Celina Goff



Structure ID: MH 1-1 (8)

P1 MH048BA30

MH BASE

P5) 24" - CASTING HEIGHT - 7"

P4) 24" - GRADE RING - 4"

P3) 48" - ECC CONE w/ 24" HOLE - 36"

P2) 48" - MH RISER - 36"

P1) 48" - MH BASE - 30"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

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

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

1) PSX - 12-08 NYLO

2) PSX - 12-06 NYLO

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

0 lb

270 lb

3000 lb

2515 lb

3282 lb

1440 lb

0 lb

0 lb

0 lb

271 lb

0 lb

0 lb

8 lb

16 lb

0 lb

Structure Total: 10802 lb

Structure Notes:

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

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 904.04'

Rim to Invert: 9.4'

Slack: 1.8"

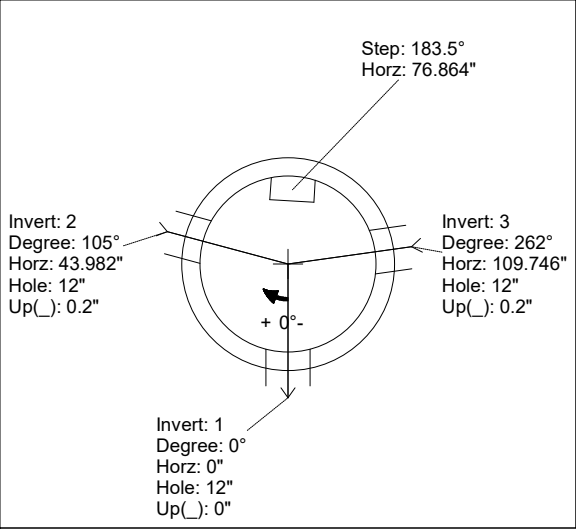
Sump: 2"

Step Position: 183.5"

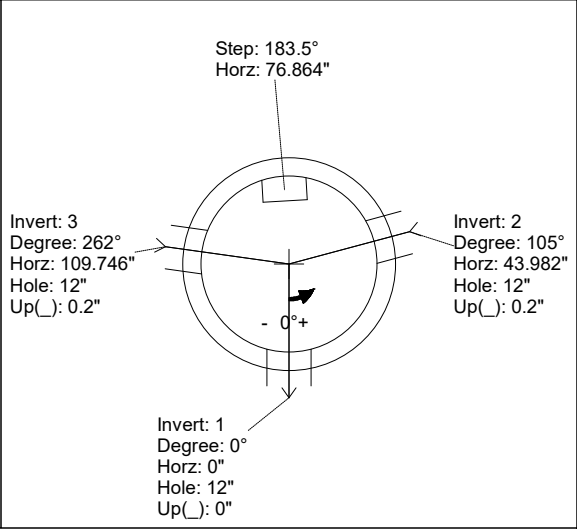
INVERT CHANNEL DRAWING

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	894.64'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	894.74'	105°	53.145"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.2"	0"
Invert 3	894.74'	262°	132.61"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

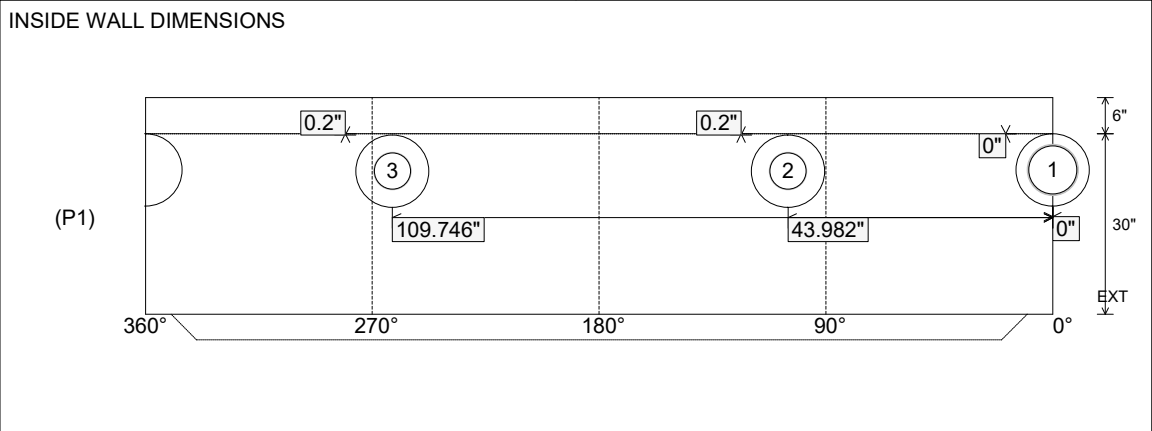
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 30"

Height (Ext): 36"

Weight (Net): 3282 lb

Volume (Net): 0.84cu.yd

Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/23/2026 3:34:52 PM		PC: T. Ryan			

Structure ID: MH13
P1 MH048BA30

MH BASE T/n

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"

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)

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

2) PSX - 16M NYLO

1) PSX - 12-08 NYLO

1) PSX - 12-06 NYLO

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

0 lb
 3000 lb
 3159 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 0 lb
 16 lb
 8 lb
 8 lb
 0 lb

 Structure Total: 7631 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: 1021.86'

Rim to Invert: 6'

Slack: 1"

Sump: 2"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1015.86'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1016.19'	98°	49.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	4"	0"
Invert 3	1015.96'	188°	95.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 4	1016.36'	240°	121.5"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	5"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

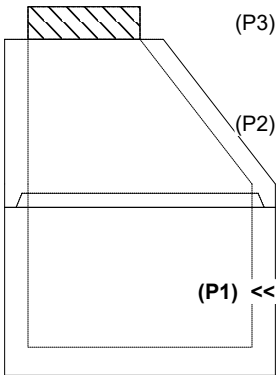
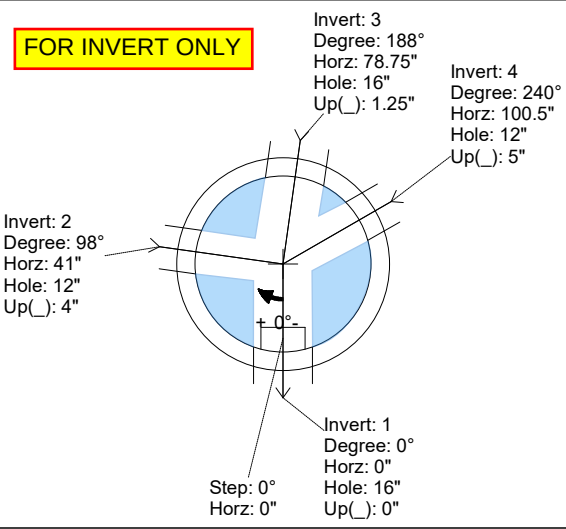
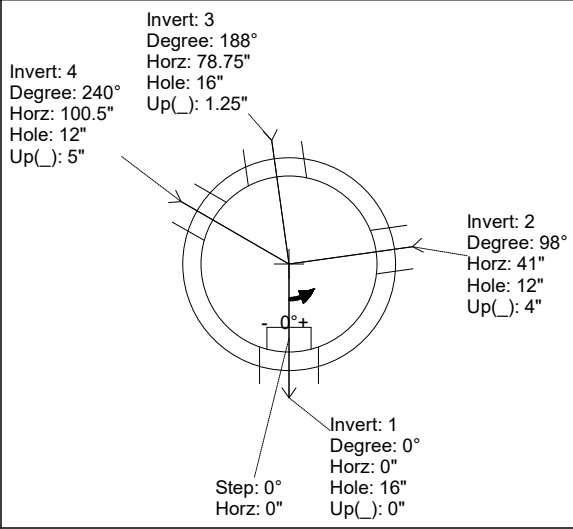
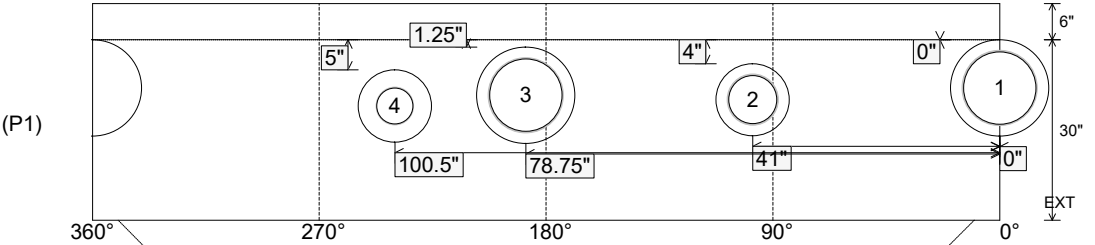
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3159 lb Volume (Net): 0.81cu.yd
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Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100 7/23/2026 3:34:52 PM		Tech: Jared - F PC: T. Ryan			
Structure ID: MH13										
P1 MH048BA30		MH BASE T/n								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" 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) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 16M NYLO 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 4) MH Step ML-10-TDS-NCR - 10"					0 lb 3000 lb 3159 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 16 lb 8 lb 8 lb 0 lb ----- Structure Total: 7631 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: 1021.86' Rim to Invert: 6' Slack: 1" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1015.86'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1016.19'	98°	49.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	4"	0"
Invert 3	1015.96'	188°	95.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 4	1016.36'	240°	121.5"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	5"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

	RIGHT-SIDE UP VIEW (int. dimensions)		UPSIDE-DOWN VIEW (int. dimensions)	
				
INSIDE WALL DIMENSIONS				
				

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3159 lb Volume (Net): 0.81cu.yd
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Job Name: 25-4490P1 Heartland Meadows Subdivision Job Location: Elizabethtown, KY 40165 Contractor: Kauffeld Brothers Construction					Plant: 100		Tech: Jared - A			
					7/23/2026 12:03:42 PM		PC: Celina Goff			
Structure ID: MH 1-4-11 (12)										
P1 MH048BA36			MH BASE							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 42" P1) 48" - MH BASE - 36" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 6) MH Step ML-10-TDS-NCR - 10"					0 lb 3200 lb 3749 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 8676 lb		Structure Notes: 1. HOE MC-375 F/C "SANITARY" PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 873.73' Rim to Invert: 7.04' Slack: 1.48" Sump: 2" Step Position: 252.5°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	866.69'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	866.79'	145°	73.391"	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): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 25-4490P1 Heartland Meadows Subdivision

Job Location: Elizabethtown, KY 40165

Contractor: Kauffeld Brothers Construction

Plant: 100

7/23/2026 12:03:42 PM

Tech: Jared - A

PC: Celina Goff

Structure ID: MH 1-4-11 (12)

P1 MH048BA36

MH BASE

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - ECC CONE w/ 24" HOLE - 42"

P1) 48" - MH BASE - 36"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

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

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

2) PSX - 12-08 NYLO

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

0 lb

3200 lb

3749 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

16 lb

0 lb

Structure Total: 8676 lb

Structure Notes:

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

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 873.73'

Rim to Invert: 7.04'

Slack: 1.48"

Sump: 2"

Step Position: 252.5°

INVERT CHANNEL DRAWING

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	866.69'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	866.79'	145°	73.391"	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"

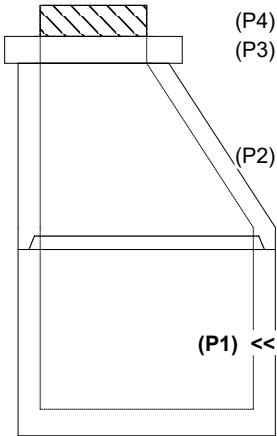
Height (Int): 36"

Height (Ext): 42"

Weight (Net): 3749 lb

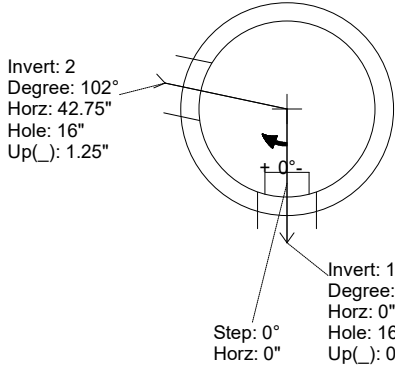
Volume (Net): 0.96cu.yd

Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100 7/23/2026 3:34:55 PM		Tech: Jared - F PC: T. Ryan						
Structure ID: MH17													
P1		MH048BA36		MH BASE T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 6" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 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 405 lb 3200 lb 3674 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- 8735 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: 1025.74' Rim to Invert: 7.42' Slack: 0.04" Sump: 2" Step Position: 0°													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1	1018.32'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"			
Invert 2	1018.42'	102°	51.625"	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													



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

RIGHT-SIDE UP VIEW (int. dimensions)

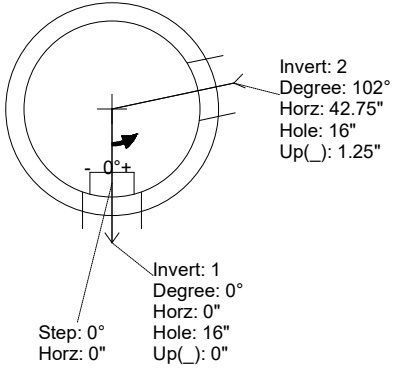


Invert: 2
Degree: 102°
Horz: 42.75"
Hole: 16"
Up(): 1.25"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

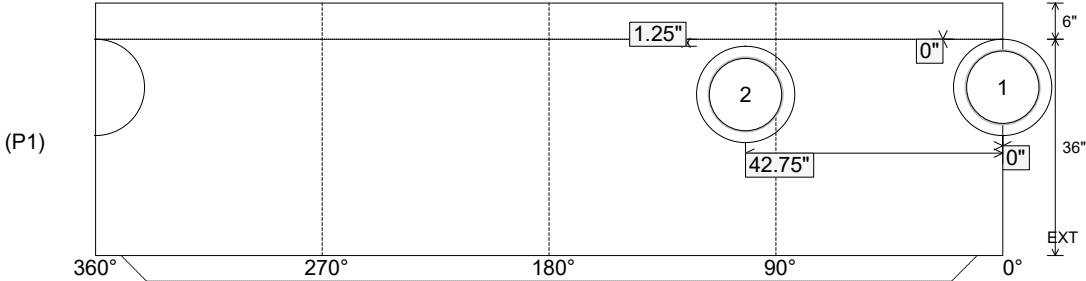


Invert: 2
Degree: 102°
Horz: 42.75"
Hole: 16"
Up(): 1.25"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

1.25" 0" 42.75" 0" 6" 36" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3674 lb Volume (Net): 0.94cu.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: MH17										
P1 MH048BA36		MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 6" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 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 405 lb 3200 lb 3674 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 8735 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: 1025.74' Rim to Invert: 7.42' Slack: 0.04" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1018.32'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1018.42'	102°	51.625"	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)

FOR INVERT ONLY

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 36"	Weight (Net): 3674 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 42"	Volume (Net): 0.94cu.yd

Job Name: 25-3040B - Stonedale Farms Job Location: Nicholasville, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F				
					7/23/2026 3:34:54 PM		PC: T. Ryan				
Structure ID: MH16											
P1 MH048BA48			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 - 48" 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) 2) PSX - 16M NYLO 1) PSX - 12-06 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 3200 lb 4464 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 16 lb 8 lb 0 lb ----- Structure Total: 9128 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: 1025.9' Rim to Invert: 7.92' Slack: 0.04" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1017.98'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"	
Invert 2	1019.97'	180°	91.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	22.875"	0"	
Invert 3	1018.08'	257°	130.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	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): 48" Height (Ext): 54"	Weight (Net): 4464 lb Volume (Net): 1.14cu.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 3:34:54 PM		PC: T. Ryan					
Structure ID: MH16												
P1 MH048BA48			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 - 48" 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) 2) PSX - 16M NYLO 1) PSX - 12-06 NYLO 7) MH Step ML-10-TDS-NCR - 10"						0 lb 3200 lb 4464 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 16 lb 8 lb 0 lb ----- Structure Total: 9128 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: 1025.9' Rim to Invert: 7.92' Slack: 0.04" Sump: 2" Step Position: 0°												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset		
Invert 1	1017.98'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"		
Invert 2	1019.97'	180°	91.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	22.875"	0"		
Invert 3	1018.08'	257°	130.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	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): 48" Height (Ext): 54"	Weight (Net): 4464 lb Volume (Net): 1.14cu.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 3:34:54 PM		PC: T. Ryan			
Structure ID: MH15 P1 MH048BA48 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 - 30" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE T/n - 48" 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) 3) PSX - 16M NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2050 lb 1677 lb 4426 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 9887 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: 1026.34' Rim to Invert: 9.33' Slack: 0.96" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1017.01'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1017.11'	90°	45.5"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 3	1019'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	23.875"	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): 48" Height (Ext): 54"	Weight (Net): 4426 lb Volume (Net): 1.13cu.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 3:34:54 PM		PC: T. Ryan			
Structure ID: MH15										
P1 MH048BA48			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 - 30" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE T/n - 48" 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) 3) PSX - 16M NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2050 lb 1677 lb 4426 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 9887 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: 1026.34' Rim to Invert: 9.33' Slack: 0.96" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1017.01'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1017.11'	90°	45.5"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 3	1019'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	23.875"	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): 48" Height (Ext): 54"	Weight (Net): 4426 lb Volume (Net): 1.13cu.yd
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Job Name: 26-2270 - Walmart #299 Fuel Station Job Location: Bowling Green, KY Contractor: Stewart Richey					Plant: 100		Tech: Jared - F				
					8/10/2026 11:47:12 AM		PC: T. Lewis				
Structure ID: 1.1.2 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 - 64" 1) CASTING - JBS 3080 SET (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) Hole - 26 5) MH Step ML-10-TDS-NCR - 10"					0 lb 1839 lb 5568 lb 500 lb 0 lb 0 lb 0 lb ----- Structure Total: 7907 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: 546.01' Rim to Invert: 6.95' Slack: 0.9" Sump: 0" Step Position: 180°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	539.06'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions) 	UPSIDE-DOWN VIEW (int. dimensions)
INSIDE WALL DIMENSIONS 	

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 64" Height (Ext): 70"	Weight (Net): 5568 lb Volume (Net): 1.42cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-3040B - Stonedale Farms
Job Location: Nicholasville, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

Tech: Jared - F

7/23/2026 3:34:53 PM

PC: T. Ryan



Structure ID: DMH14

P1 MH048BAVF-D

MH BASE w/DROP Custom Ht T/n

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE F/G - 24"
P2) 48" - MH RISER T/G - 36"
P1) 48" - MH BASE w/DROP Custom Ht T/n - 58"
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)
2) PSX - 16M NYLO
1) Drop Tee - 8" PVC
1) Drop Elbow - 8" PVC
10) MH Step ML-10-TDS-NCR - 10"

0 lb
1550 lb
2515 lb
7921 lb
0 lb
0 lb
1440 lb
0 lb
0 lb
0 lb
16 lb
0 lb
0 lb
0 lb

Structure Total: 13442 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).

4. EXTERIOR DROP ASSEMBLY @ 270 DEGREES.

REINFORCING PER ASTM A615 (GRADE 60).

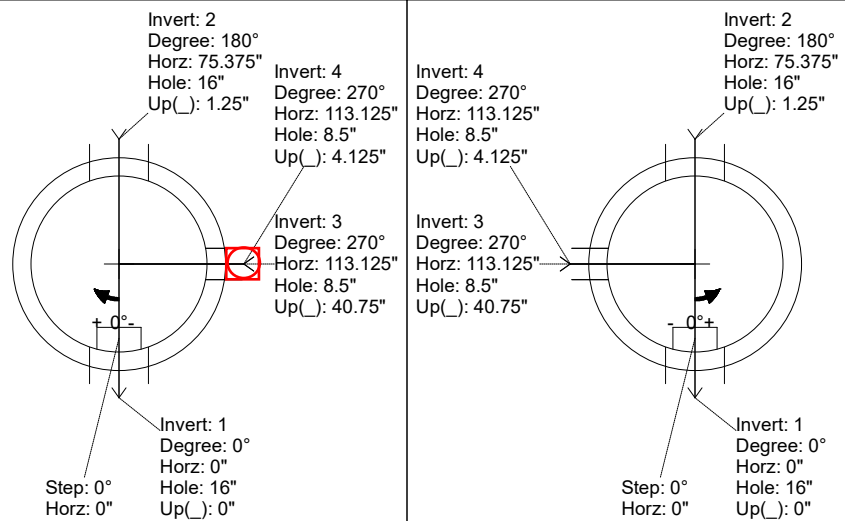
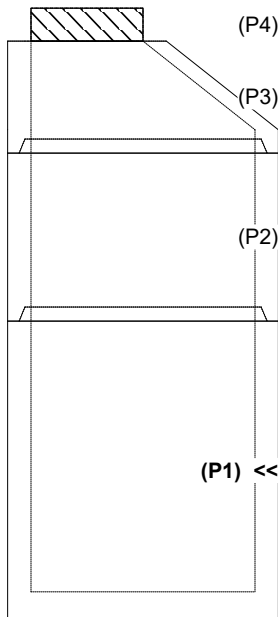
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 1026.86' Rim to Invert: 10.25' Slack: 0" Sump: 2" Step Position: 0"

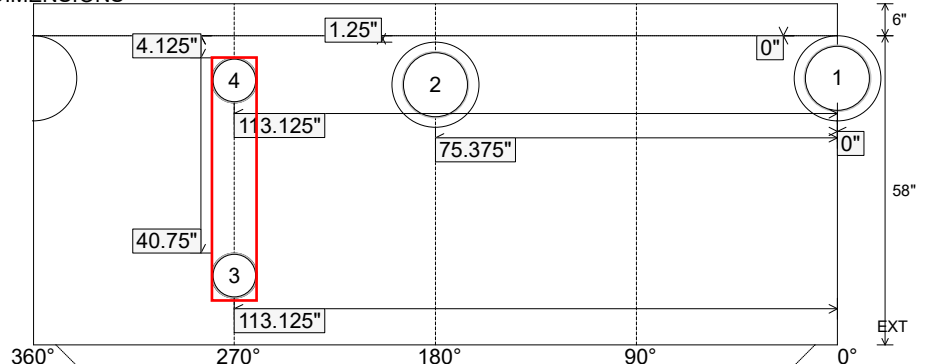
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1016.61'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1016.71'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 3	1019.86'	270°	136.625"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.545"	40.75"	0"
Invert 4	1016.81'	270°	136.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	4.125"	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): 58"
Height (Ext): 64"

Weight (Net): 7921 lb
Volume (Net): 2.02cu.yd

Job Name: 25-3040B - Stonedale Farms
Job Location: Nicholasville, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

Tech: Jared - F

7/23/2026 3:34:53 PM

PC: T. Ryan



Structure ID: DMH14

P1 MH048BAVF-D

MH BASE w/DROP Custom Ht T/n

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE F/G - 24"
P2) 48" - MH RISER T/G - 36"
P1) 48" - MH BASE w/DROP Custom Ht T/n - 58"
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)
2) PSX - 16M NYLO
1) Drop Tee - 8" PVC
1) Drop Elbow - 8" PVC
10) MH Step ML-10-TDS-NCR - 10"

0 lb
1550 lb
2515 lb
7921 lb
0 lb
0 lb
1440 lb
0 lb
0 lb
0 lb
16 lb
0 lb
0 lb
0 lb

Structure Total: 13442 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).
 4. EXTERIOR DROP ASSEMBLY @ 270 DEGREES.
- REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

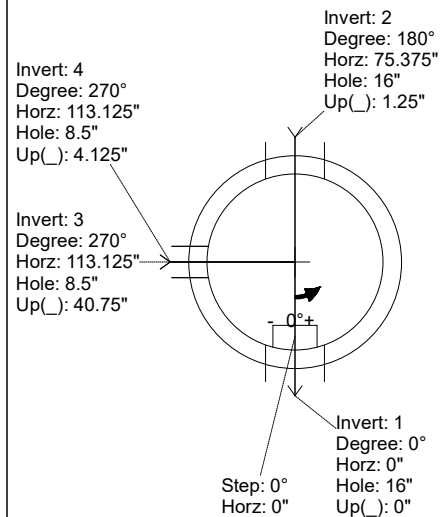
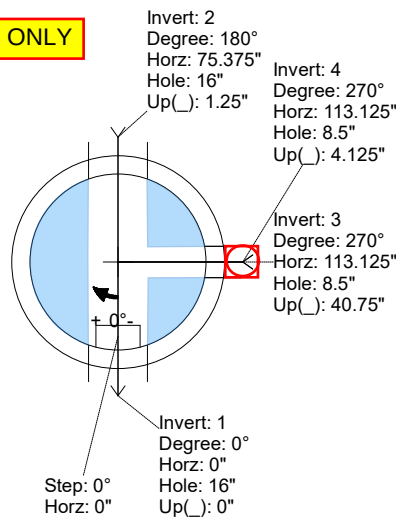
Rim: 1026.86' Rim to Invert: 10.25' Slack: 0" Sump: 2" Step Position: 0"

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1016.61'	0°	0"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	0"	0"
Invert 2	1016.71'	180°	91.125"	12" PVC SDR35	12.5"	PSX 16M NYLO	16"	16.312"	1.25"	0"
Invert 3	1019.86'	270°	136.625"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.545"	40.75"	0"
Invert 4	1016.81'	270°	136.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	4.125"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

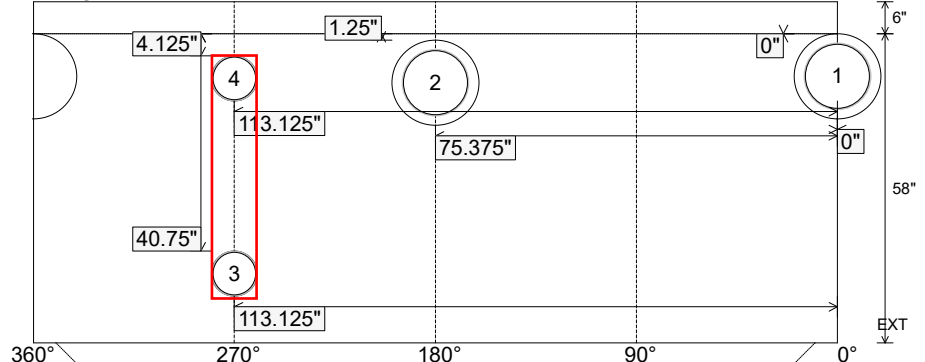
RIGHT-SIDE UP VIEW (int. dimensions)

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): 58"
Height (Ext): 64"

Weight (Net): 7921 lb
Volume (Net): 2.02cu.yd

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

Plant: 100

8/10/2026 11:48:41 AM

Tech: Jared - F

PC: T. Lewis



Structure ID: 1.2 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 - 65"
1) CASTING - JBS 3080 SET (F/G/H)
1) 48" - Conseal CS-102 1.00"
1) Hole - 26
1) Hole - 22
5) MH Step ML-10-TDS-NCR - 10"

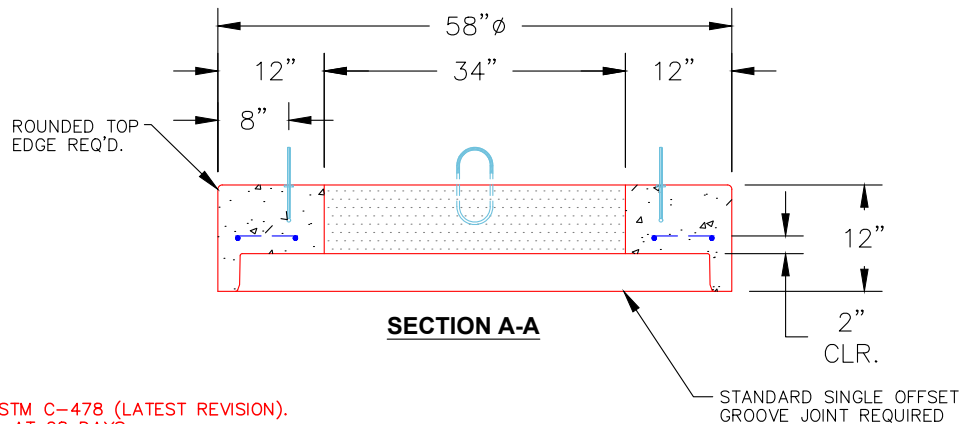
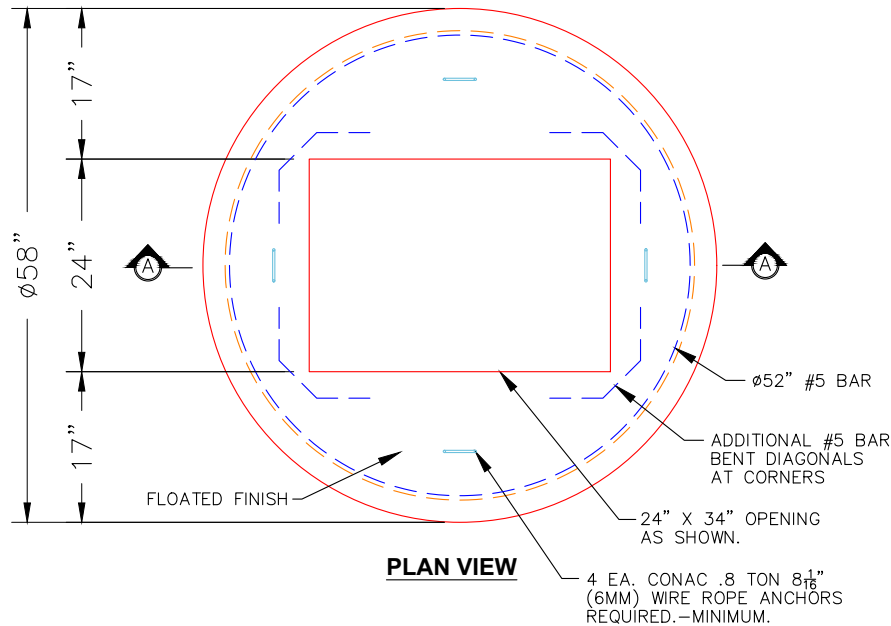
Structure Total:

0 lb
1839 lb
5473 lb
500 lb
0 lb
0 lb
0 lb
0 lb
0 lb
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.



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 11:48:41 AM

Tech: Jared - F

PC: T. Lewis



Structure ID: 1.1.2 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 - 64"
1) CASTING - JBS 3080 SET (F/G/H)
1) 48" - Conseal CS-102 1.00"
1) Hole - 26
5) MH Step ML-10-TDS-NCR - 10"

Structure Total:

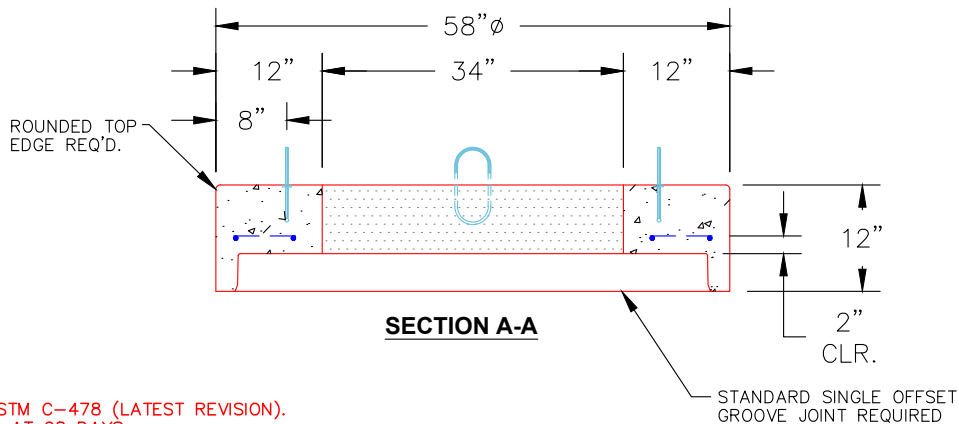
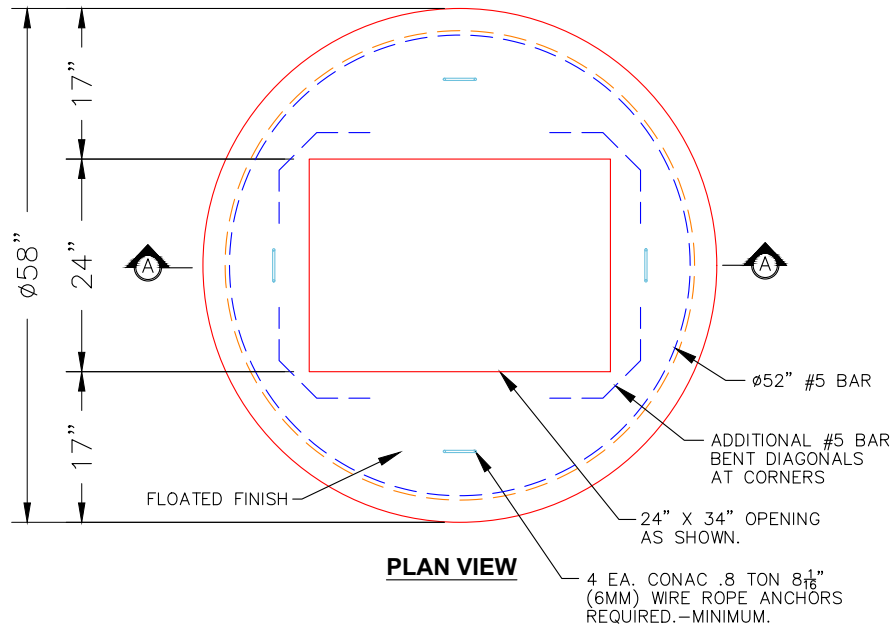
0 lb
1839 lb
5568 lb
500 lb
0 lb
0 lb
0 lb

7907 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).

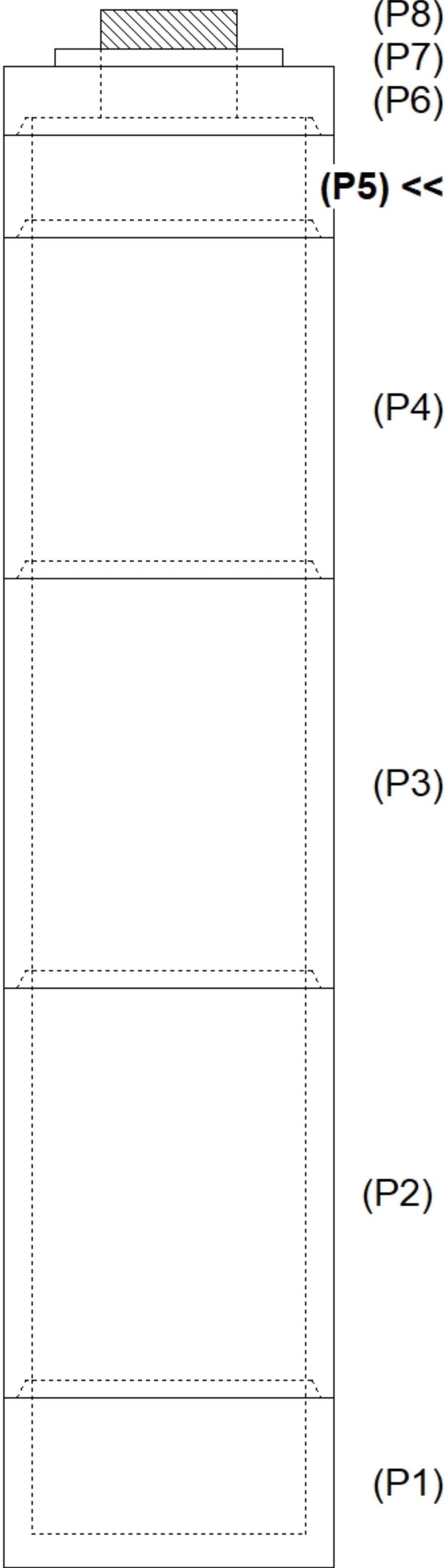
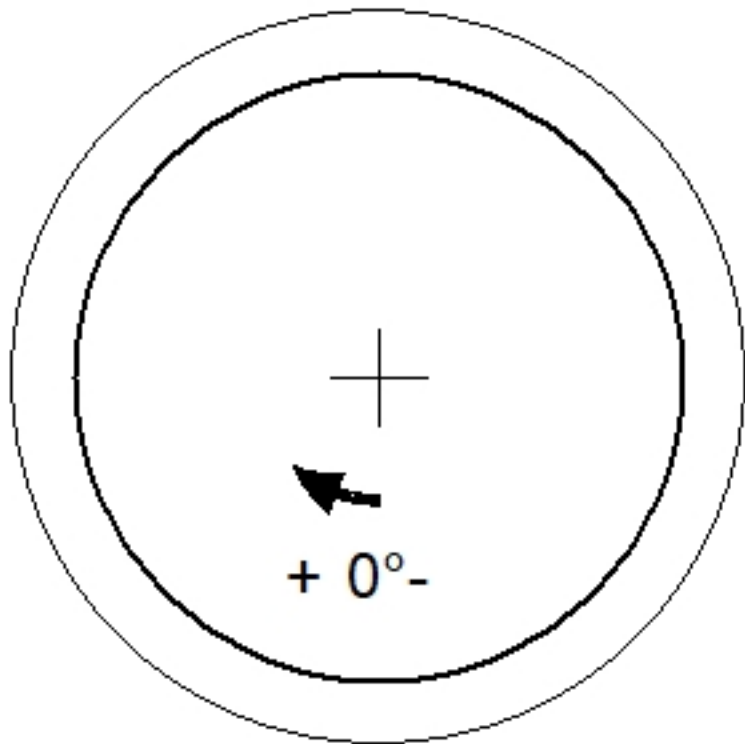
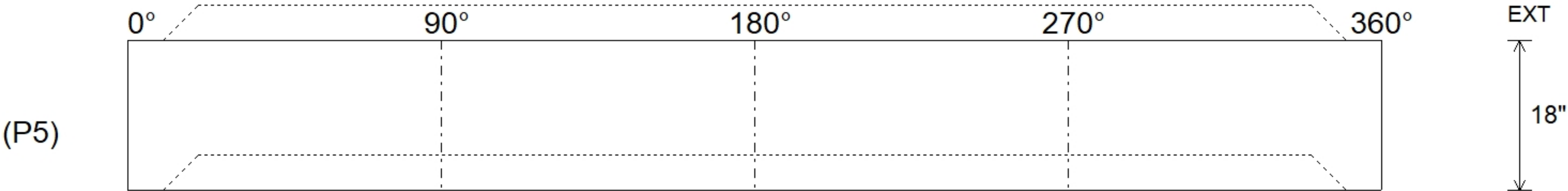
Coating (Int):
Coating (Ext):

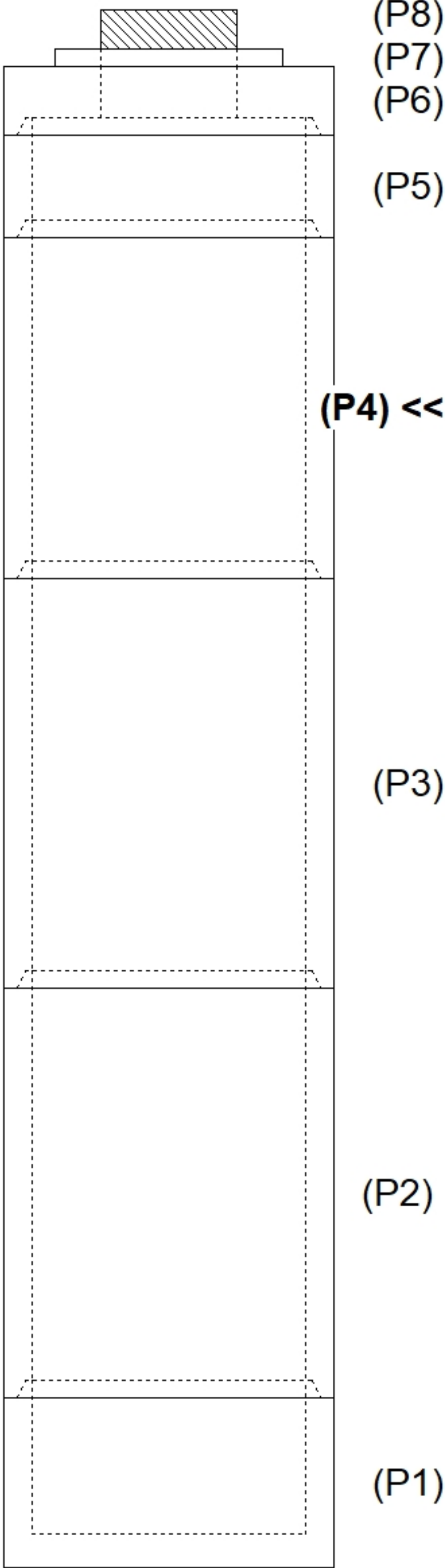
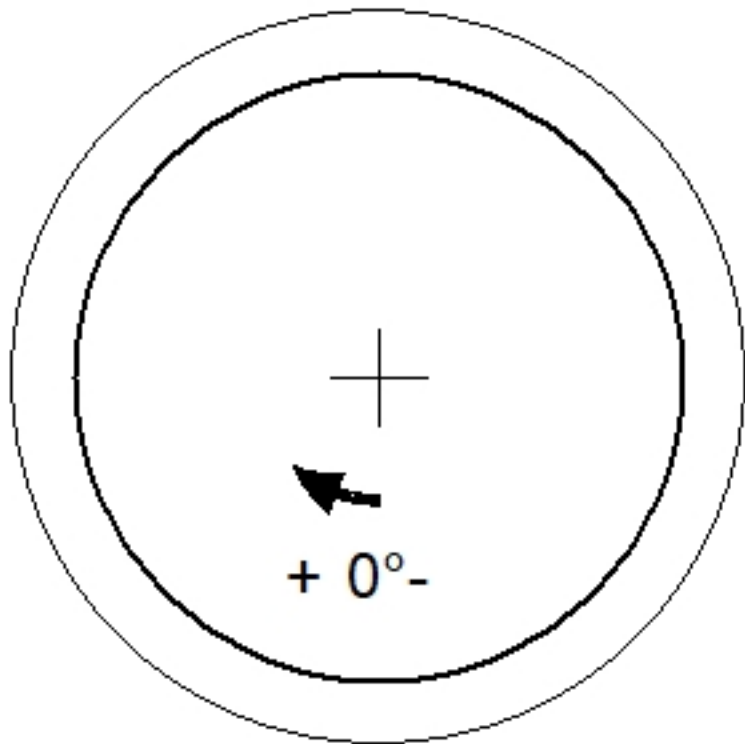
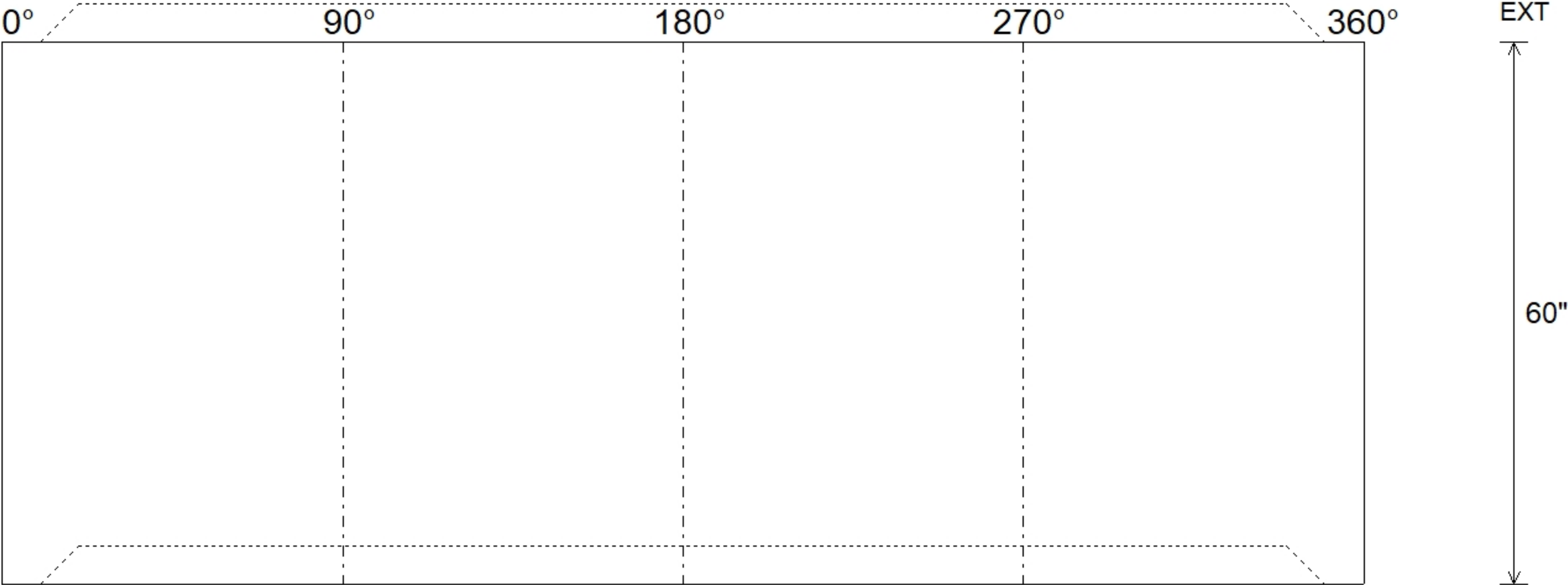
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 26-3076 ADS U of L New Health Building Job Location: Louisville, KY Contractor: ADS Advanced Drainage Systems, Inc.				Plant: Beaver Dam 8/5/2026 8:06:02 AM		Tech: S. Felletter PC: T. Ryan					
Structure ID: WQU-2 P5 MH048RS18S 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): 18" Height (Ext): 18"		Weight (Net): 1257 lb Volume (Net): 0.32cu.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												
P4			MH048RS60S								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): 60" Height (Ext): 60"		Weight (Net): 4192 lb Volume (Net): 1.07cu.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 8:06:11 AM

Tech: S. Felletter
PC: T. Ryan



Structure ID: WQU-2

P2 MH048RS72S

MH RISER SPECIAL T/G

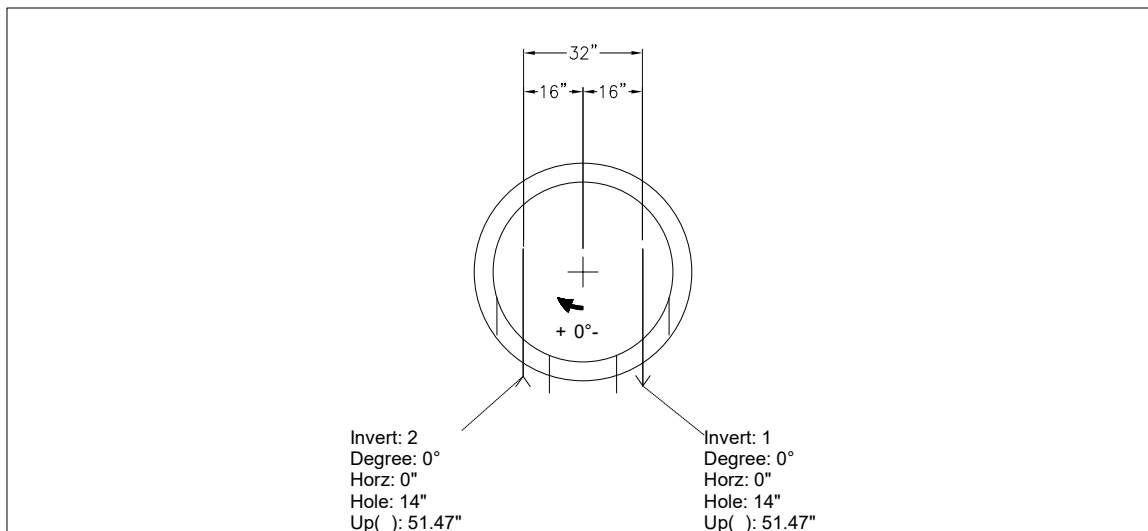
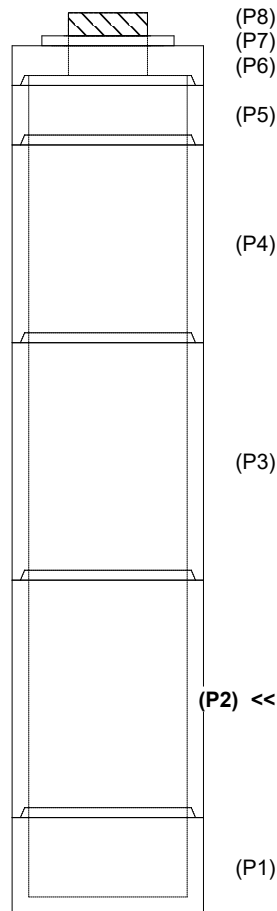
- P8) 24" - CASTING HEIGHT - 7"
P7) 24" - GRADE RING F/F - 3"
P6) 48" - MH FLAT LID w/24" Center Hole F/G - 12"
P5) 48" - MH RISER NO STEPS T/G - 18"
P4) 48" - MH RISER NO STEPS T/G - 60"
P3) 48" - MH RISER NO STEPS T/G - 72"
P2) 48" - MH RISER SPECIAL T/G - 72"
P1) 48" - MH BASE T/n - 24"
1) ASSEMBLY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

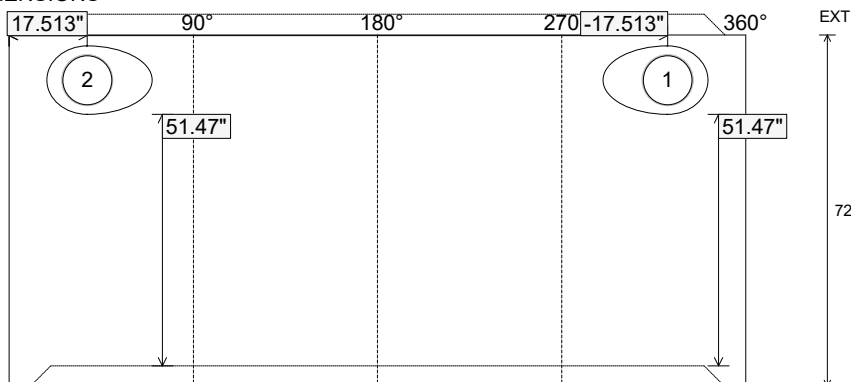
Rim: 460' Rim to Invert: 15.54' Slack: 0.2' Sump: 81.72' Structure Step Position: 80.89'

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	444.46'	0°	-16.948"	10" PVC SDR35	10.5"	Hole 14	14"	21.521"	51.47"	-16"
Invert 2	444.46'	0°	16.948"	10" PVC SDR35	10.5"	Hole 14	14"	21.521"	51.47"	16"
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): 4850 lb Volume (Net): 1.24cu.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		Tech: J. Horsley - A			
					3/20/2026 1:21:39 PM		PC: Celina Goff			
Structure ID: 2301555										
P1 MH060BA72					MH BASE T/n					
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 48" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE T/n - 72" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 12) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 3353 lb 2204 lb 8895 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- Structure Total: 19398 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 261 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 753.29' Rim to Invert: 13.69' Slack: 1.28" Sump: 3" Step Position: 261°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	739.6'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	739.7'	162°	101.75"	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										

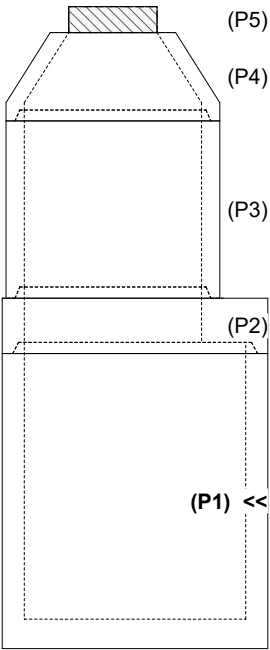
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

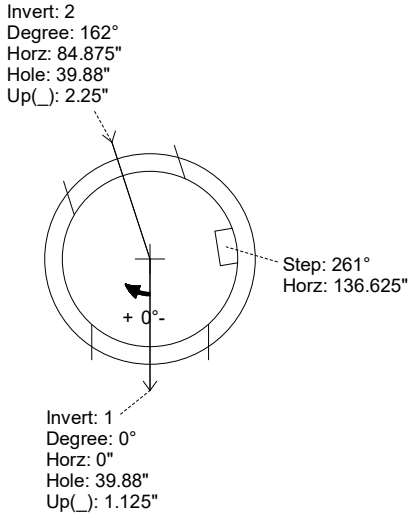
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 72" Height (Ext): 80"	Weight (Net): 8895 lb Volume (Net): 2.27cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting				Plant: 100 3/20/2026 1:21:39 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301555										
P1 MH060BA72				MH BASE T/n						
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 48" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE T/n - 72" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 12) MH Step ML-10-TDS-NCR - 10"				0 lb 2252 lb 3353 lb 2204 lb 8895 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 19398 lb Structure Total:		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 261 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS				
Rim: 753.29' Rim to Invert: 13.69' Slack: 1.28" Sump: 3" Step Position: 261°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	739.6'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	739.7'	162°	101.75"	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										



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

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 162°
Horz: 84.875"
Hole: 39.88"
Up(): 2.25"

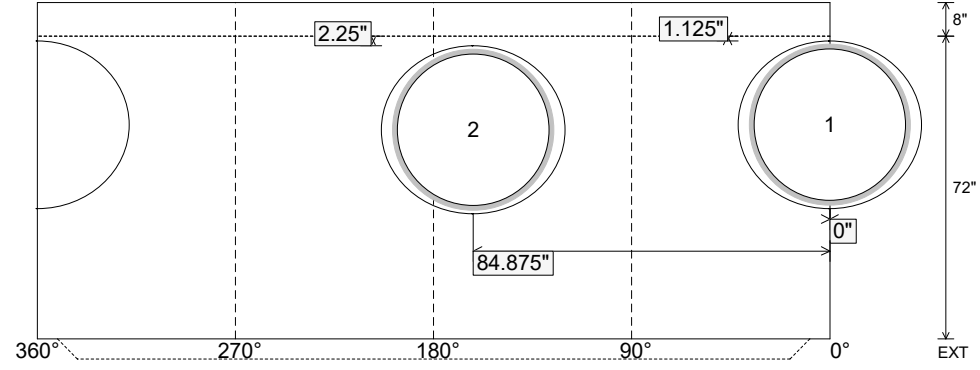
Step: 261°
Horz: 136.625"

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

UPSIDE-DOWN VIEW (int. dimensions)

**INVERT CHANNEL
DRAWING**

INSIDE WALL DIMENSIONS

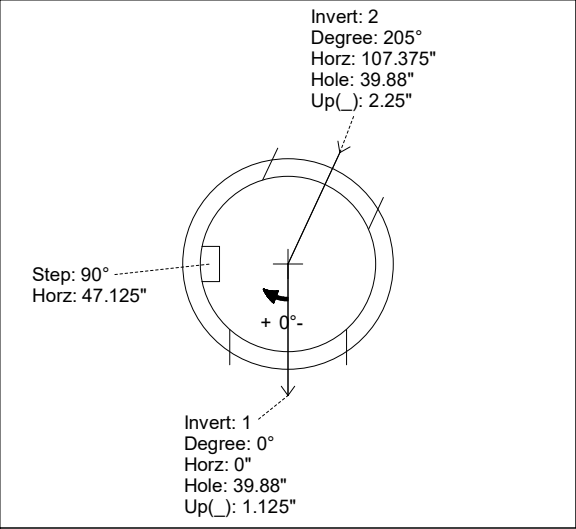


2.25" 1.125" 8" 72" 0" 84.875" 360° 270° 180° 90° 0° EXT

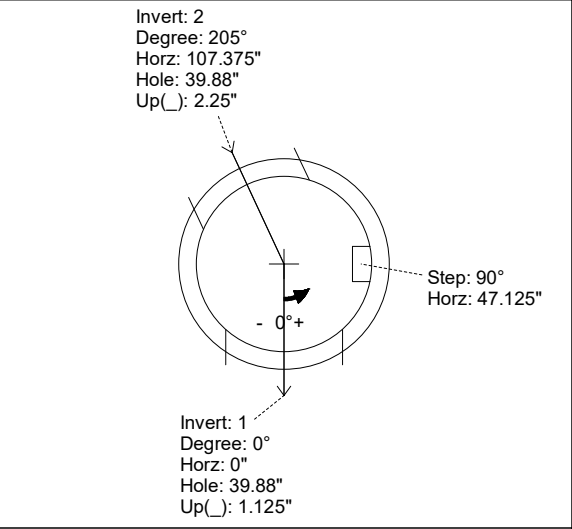
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 72" Height (Ext): 80"	Weight (Net): 8895 lb Volume (Net): 2.27cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting				Plant: 100 3/20/2026 1:21:41 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										

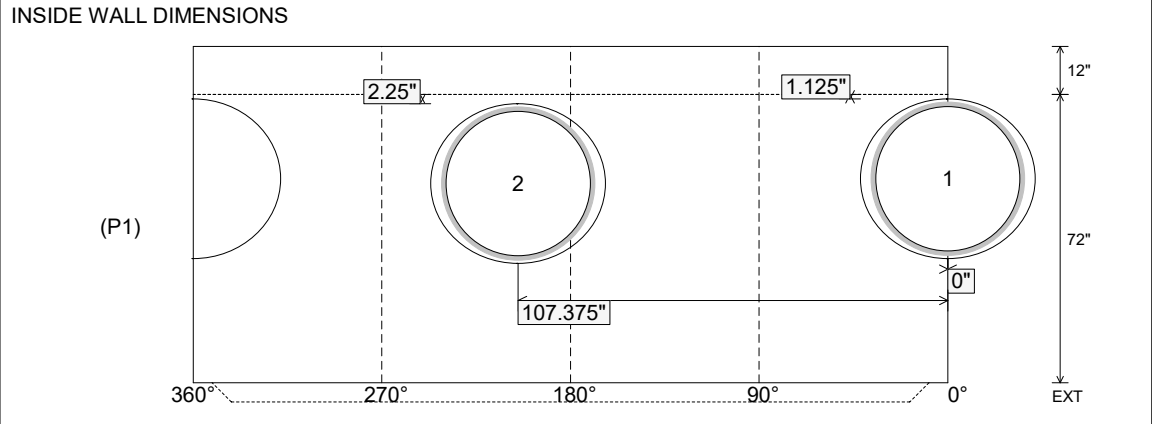
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

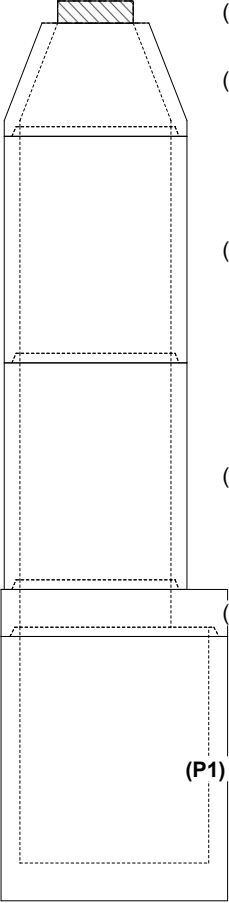


INSIDE WALL DIMENSIONS



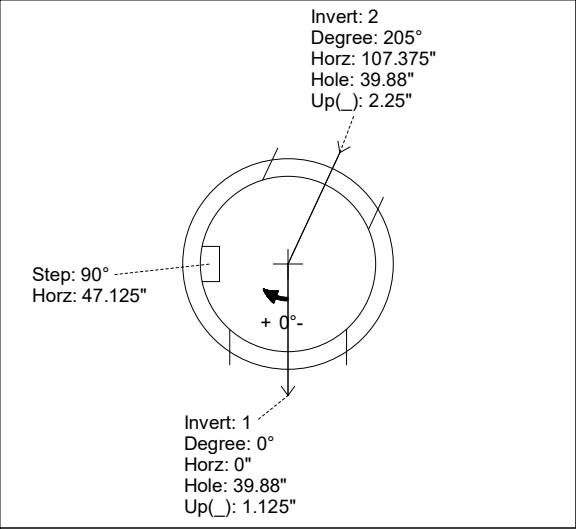
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 12"	Height (Int): 72" Height (Ext): 84"	Weight (Net): 10262 lb Volume (Net): 2.62cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort 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"

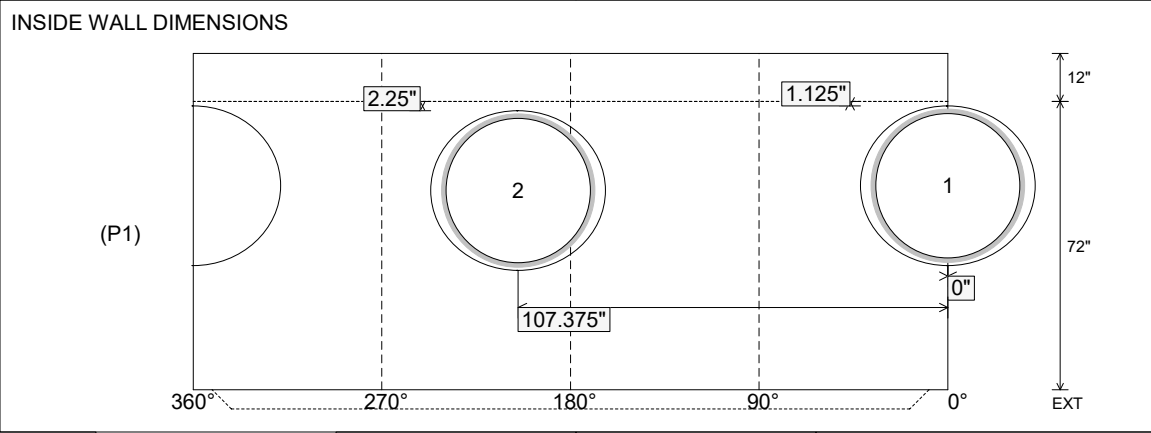
Step: 90°
Horz: 47.125"

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

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



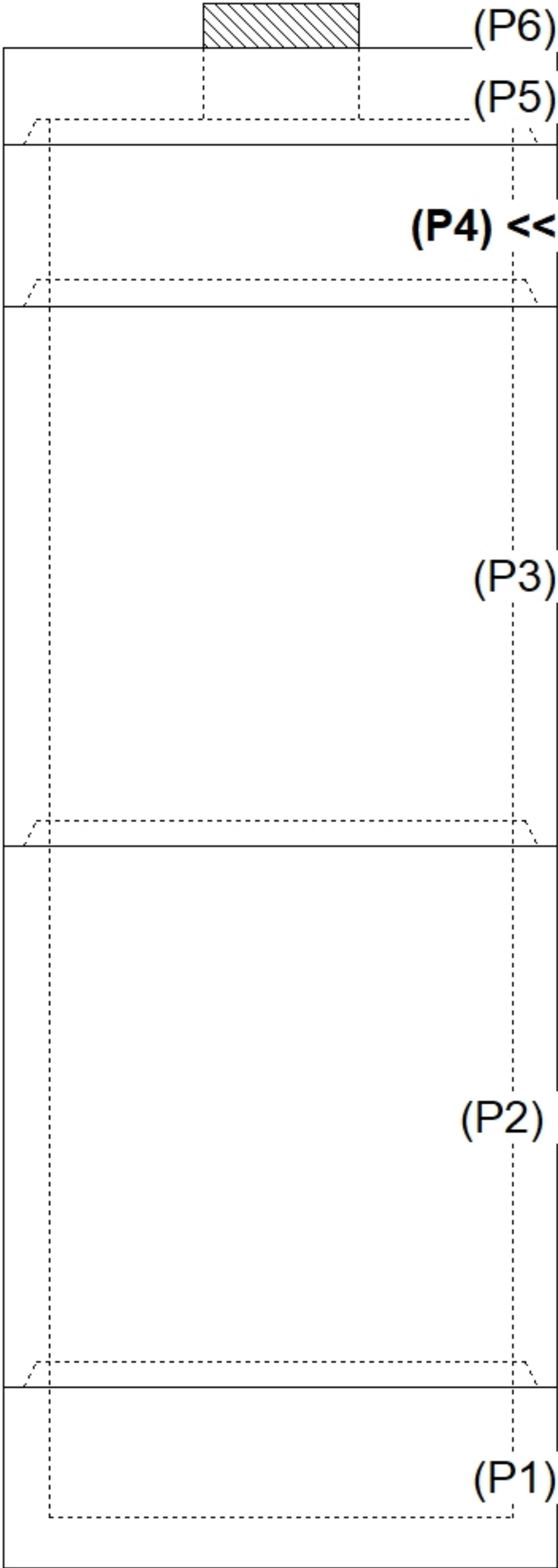
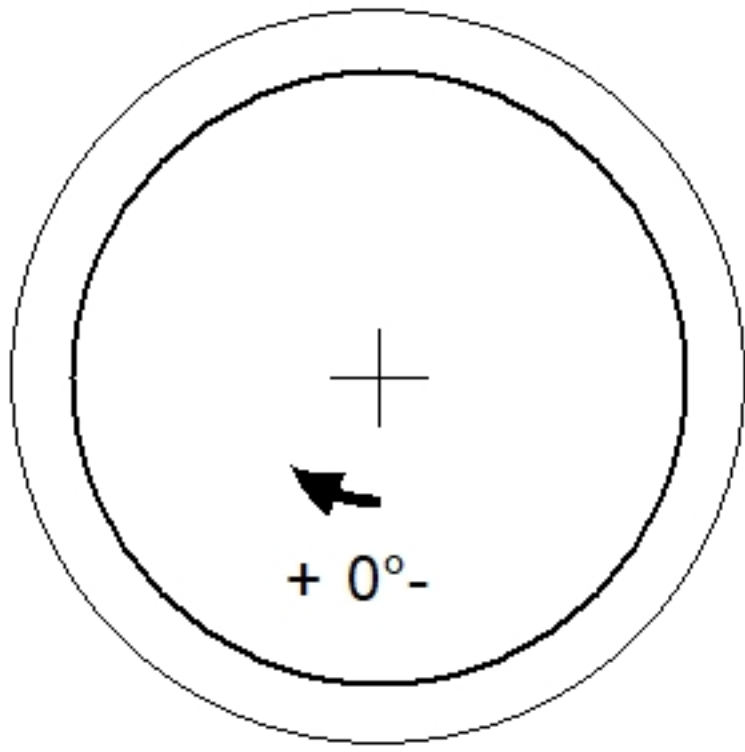
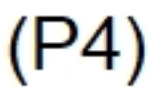
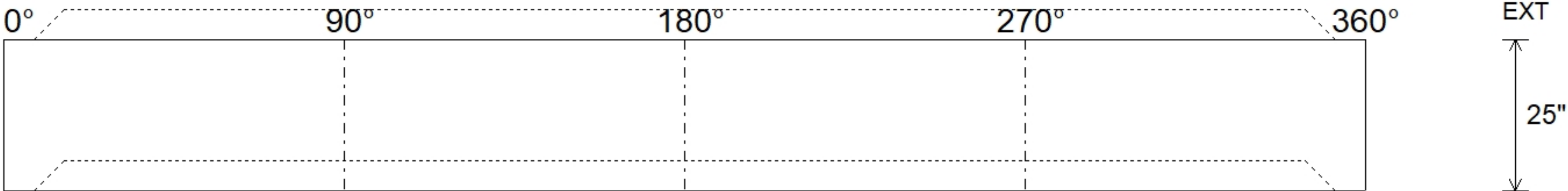
(P1)

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
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Job Name: 26-3054 ADS Couchville Online Job Location: Nashville, TN Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 7/23/2026 12:30:38 PM		Tech: S. Felletter PC: T. Ryan						
Structure ID: WQU3													
P4		MH072RSVF		MH RISER Custom Ht T/G									
P6) 24" - CASTING HEIGHT - 7" P5) 72" - MH FLAT LID w/24" CC Hole F/G - 15" P4) 72" - MH RISER Custom Ht T/G - 25" P3) 72" - MH RISER T/G - 84" P2) 72" - MH RISER SPECIAL T/G - 84" P1) 72" - MH BASE Custom Ht T/n - 20" 1) ASSEMBLY REQUIRED 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Storm 4) 72" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 26						0 lb 5097 lb 3645 lb 12246 lb 11610 lb 6815 lb 0 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-375 F/C "STORM"). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.					
Rim: 561.01' Rim to Invert: 12.87' Slack: 0.44" Sump: 81" Step Position: 0°						Structure Total: 39683 lb							
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)													
													
INSIDE WALL DIMENSIONS													
													
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 7" Floor Height: 0"		Height (Int): 25" Height (Ext): 25"		Weight (Net): 3645 lb Volume (Net): 0.93cu.yd			

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

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

Tech: Jared - A
PC: Jay Ross Jarvis



Structure ID: MH-4-5 SS-MH

P4 MH084RS84X

MH RISER w/XYPEX

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

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

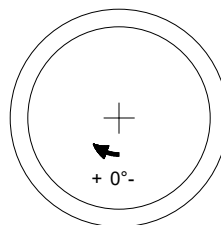
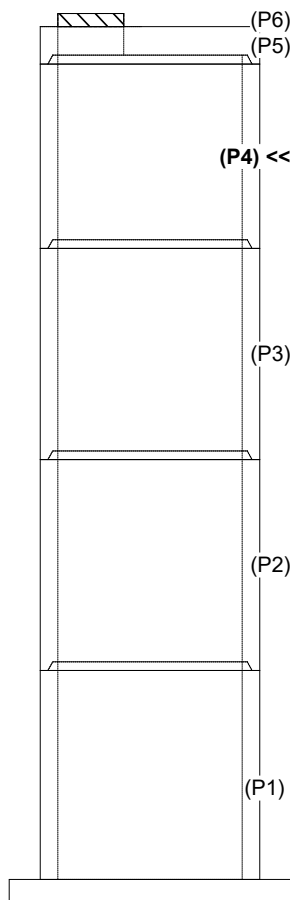
88536 lb
- Structure Notes: .
PLAN LABEL: MH-4
1. JBS 1312 WT F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. ADMIXTURE = XYPEX C-1000 RED.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .24)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

Structure Total: 88536 lb

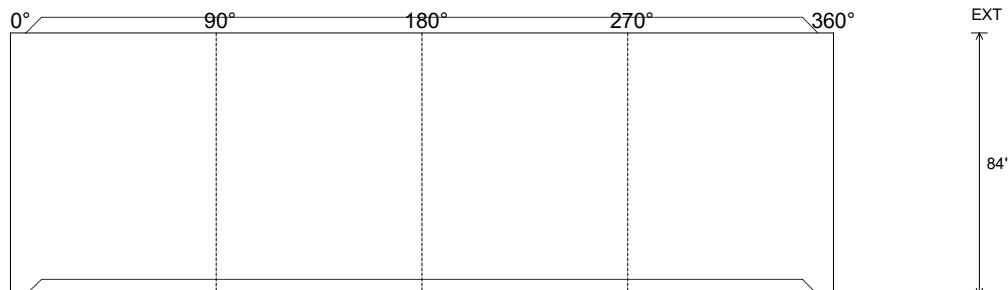
Rim: 416.22' Rim to Invert: 32.66' Slack: 0.42" Sump: 2.5" Step Position:

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 8"	Height (Int): 84"	Weight (Net): 16298 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 84"	Volume (Net): 4.16cu.yd

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

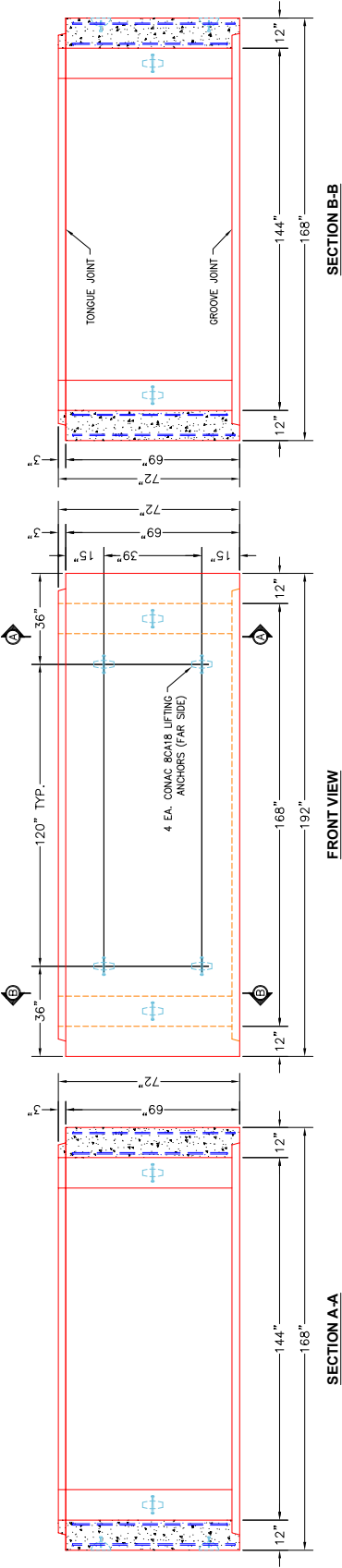
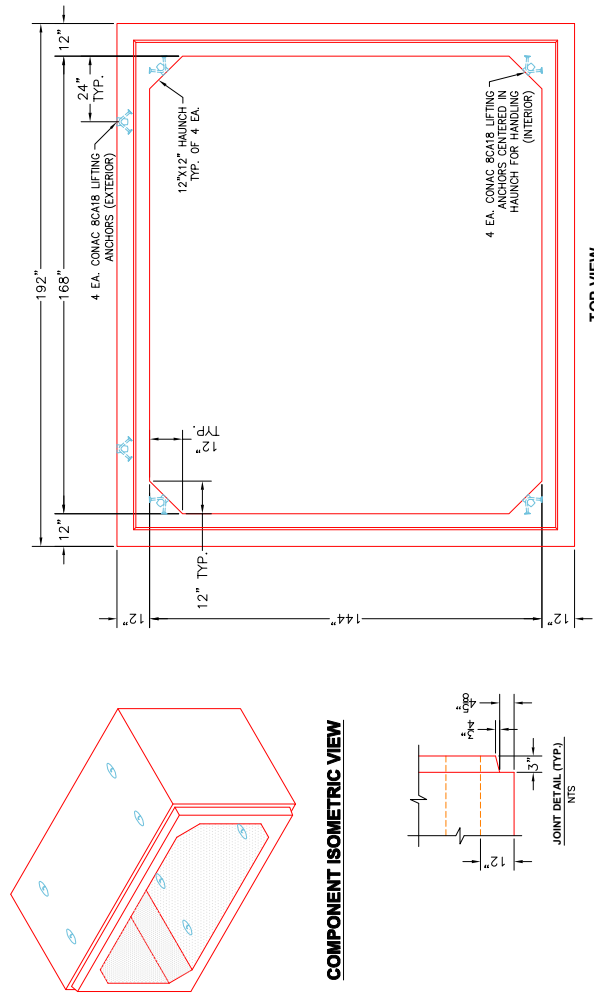
Plant: 100
7/6/2026 1:23:17 PM

Tech: Jared - A
PC: E. Bradley



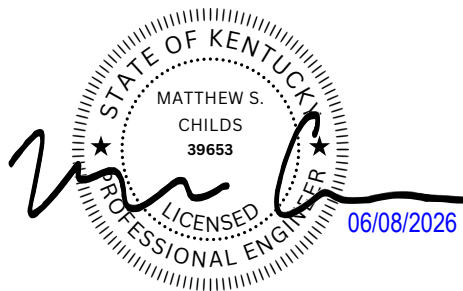
Structure ID: Box Culvert
P14 BC168144-12W12T12F-12H BOX CULVERT (12W/12F/12T) T/G

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



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 12" Floor Height: 0"	Height (Int): 69" Height (Ext): 69"	Weight (Net): 48363 lb Volume (Net): 12.35cu.yd
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Project: Mooch Road
Product: 14' x 12' Box Culvert
Job: 26-2254
Design No.:
Location: Wilder, KY
Reference #:



MATT CHILDS ENGINEERING, PLLC

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

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

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

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

Physical Dimensions

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

Material Properties

Concrete	
Strength, f _c :	5.000 ksi
Density:	0.150 kcf
Elasticity, E _c :	3834 ksi
Type:	Normal wt
Steel	
Yield, f _y :	65 ksi
Allow Stress:	39 ksi
Elasticity, E _s :	29000 ksi
Soil	
Density:	0.120 kcf
Exposure Factor	
Class 2 Exposure	
Reinforcement Covers	
Ext. Cover Top Slab:	1"
Ext. Cover Bottom Slab	1"
Ext. Cover Walls	1"
Int. Cover Walls	1"
Int. Cover Top Slab	1"
Int. Cover Bottom Slab	1"

Controlling Ratings

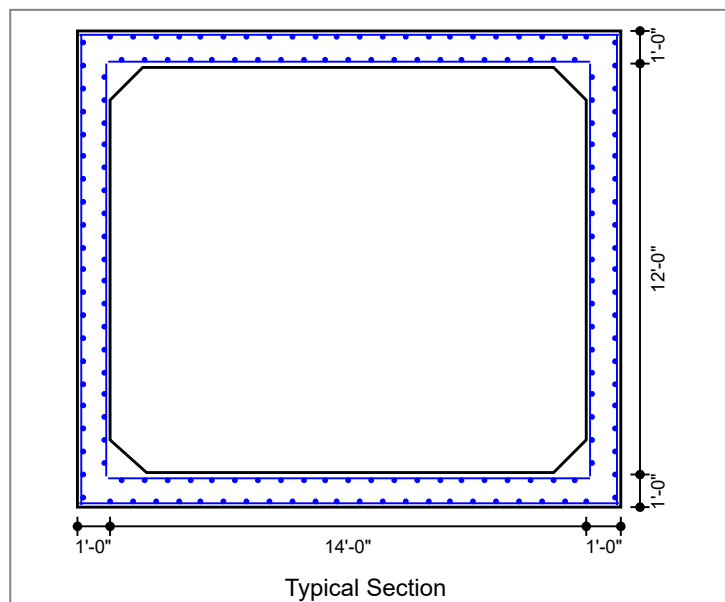
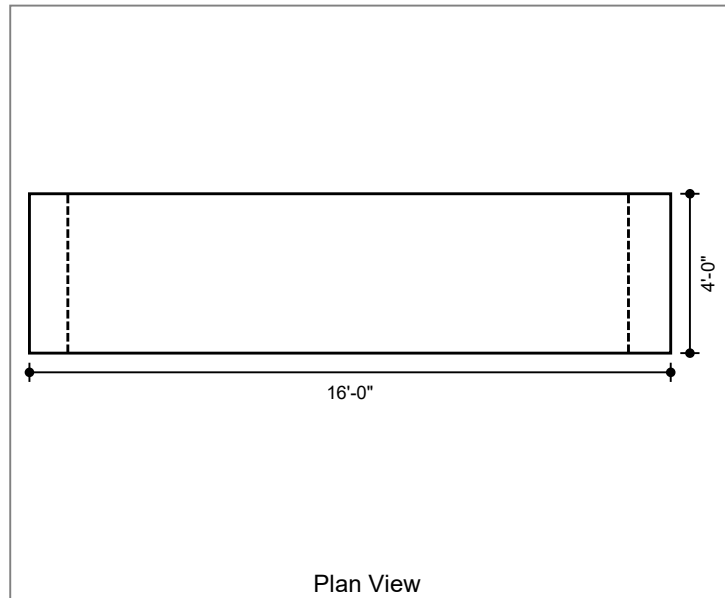
Inventory Rating: 5.85
Operating Rating: 7.59

Loads

Live Load	
Vehicle Names:	HL-93
Traffic Direction:	Parallel
Eq. Height of Soil:	2.00 ft (Calc'd)
Dead Load	
Future Wearing Surface:	0.000 klf
Additional Dead Load:	0.000 klf
Concentrated Loads:	none

Lateral Soil Loads	
Eq. Fluid Press. Max:	60.00 pcf
Eq. Fluid Press. Min:	30.00 pcf

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



MATT CHILDS ENGINEERING, PLLC

Sht ____ of ____

By:MBJ

Ck:_____

6/5/2026 4:35:09 PM

p. 2 of 2

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

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

Concrete Summary

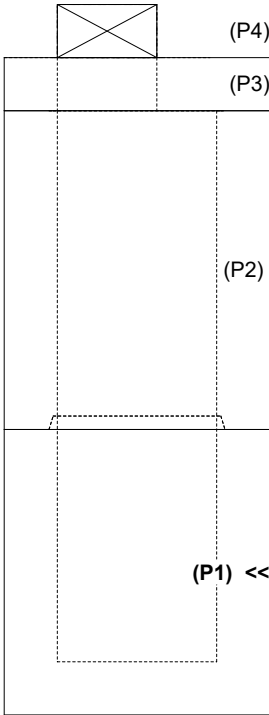
Volume of Concrete: 2.148 cy/ft Total Volume of Concrete: 8.593 cy

Reinforcing Steel Bar Schedule (lb)

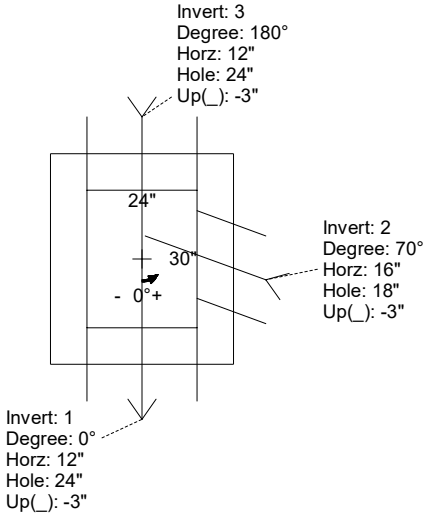
Location	Mark	Sheets Included	As Provided
Top Slab(Int)	A100 (AS2)	Top	1.200
Bot Slab(Int)	A200 (AS3)	Bot	1.290
Top Slab(Ext)	A300 (AS7)	Top	0.300
Bot Slab(Ext)	A400 (AS8)	Bot	0.300
Corner(Top)	A1 (AS1)	Top	0.780
Corner(Bot)	A2 (AS1)	Bot	0.780
Wall(Int)	B1 (AS4)	L&R	0.300
Wall(Ext)	B2 (AS1)	L&R	0.780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

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/12/2026 3:10:02 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 66											
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 - 48" P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 35" 2) 24" x 30" - Conseal CS-102 1.00" 1) 15" x 27" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 18 2) Hole - 4					0 lb 963 lb 4494 lb 3887 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 0 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TYPE 13G / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-230G FRAME & GRATE SUPPLIED BY OTHERS - POURED IN PLACE BY OTHERS				
Rim: 552.49' Rim to Invert: 8.25' Slack: 0" Sump: 0" Step Position:					Structure Total: 9345 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	544.24'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"	
Invert 2	544.24'	70°	21"	12" HDPE	14.5"	Hole 18	18"	19.155"	-3"	5"	
Invert 3	544.24'	180°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

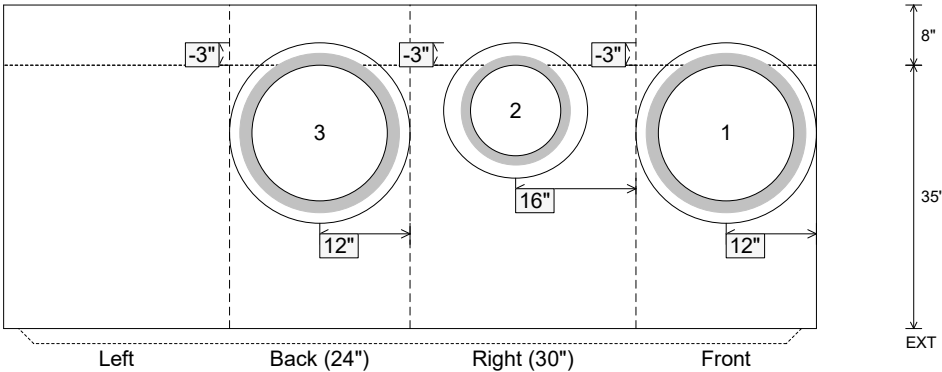
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 35" Height (Ext): 43"	Weight (Net): 3887 lb Volume (Net): 0.99cu.yd
----------------------------------	---------------------------------	--	--	--

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

Job Location: Bowling Green, KY

Contractor: Stewart Richey

Plant: 100

8/10/2026 3:20:59 PM

Tech: Jared - F

PC: T. Lewis



Structure ID: 1.6 ST-CI

P1 BX2436-08BVF

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

P2) 24" x 36" - CASTING HEIGHT - 6.5"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 26"

1) CASTING - JBS 3080 SET (F/G/H)

2) 24" x 36" - SGL 1"x14.5' Butyl

1) Hole - 22

0 lb

3794 lb

500 lb

0 lb

0 lb

0 lb

Structure Total: 4294 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO STEPS AND NO INVERT CHANNEL.

4. CASTING BY ICAST (JBS 3080 SET (F/G/H)).

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: 546.01'

Rim to Invert: 2.78'

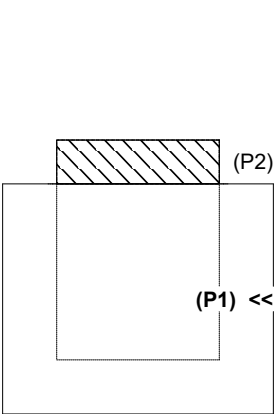
Slack: 0.86"

Sump: 0"

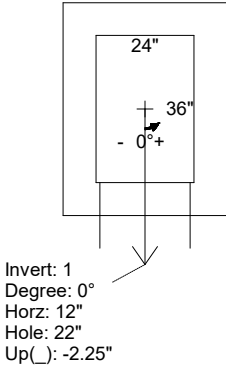
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	543.23'	0°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 26"

Height (Ext): 34"

Weight (Net): 3794 lb

Volume (Net): 0.97cu.yd

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

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

6/4/2026 4:51:27 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 464

P1 BX2436-08BVF

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

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

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

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

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

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

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

1) Hole - 24

2) Hole - 8

3398 lb

5270 lb

4536 lb

206 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 13410 lb

Structure Notes:

** KYTC STATE PROJECT **

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

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

4. NO STORM INVERT

5. NO STEPS

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

7. INVERT 3 OFFSET 14" FROM CENTER OF WALL

Rim: 899.58'

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	894.49'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	896.41'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"
Invert 3	896.41'	270°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	-14"
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): 4536 lb

Volume (Net): 1.16cu.yd

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

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

6/5/2026 9:03:57 AM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 535

P1 BX3636-08BAVF

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

P3) 15" x 27" - P.I.P. - BY OTHERS - 8"

P2) 36" x 36" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"

P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 53"

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

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

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

2) Hole - 24

2) Hole - 4

0 lb

1543 lb

7406 lb

237 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 9186 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: 833.17'

Rim to Invert: 5.75'

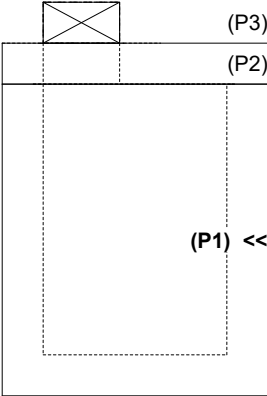
Slack: 0"

Sump: 0"

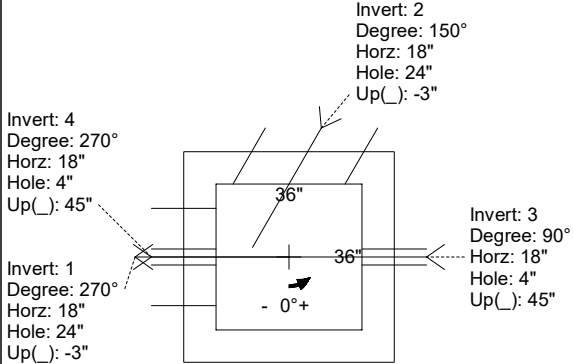
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	827.42'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	827.42'	150°	21.375"	18" ADS N-12	22"	Hole 24	24"	27.713"	-3"	9"
Invert 3	831.17'	90°	26"	4" WEEP HOLE	4"	Hole 4	4"	4"	45"	0"
Invert 4	831.17'	270°	26"	4" WEEP HOLE	4"	Hole 4	4"	4"	45"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

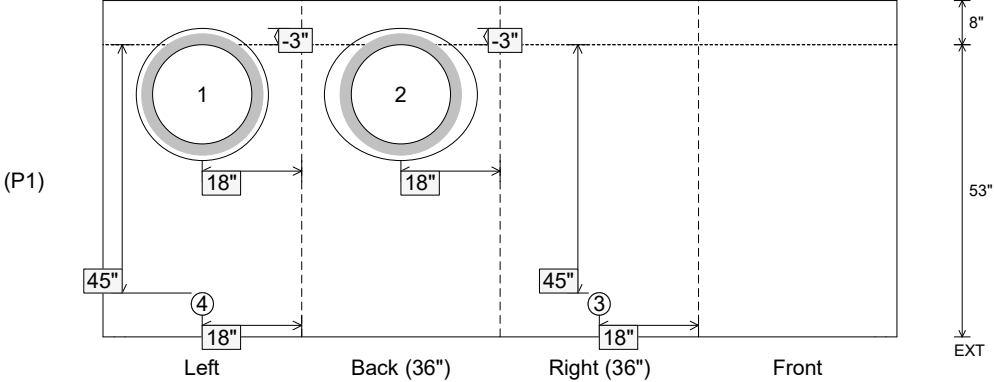
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 53"

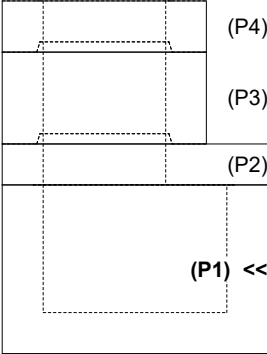
Height (Ext): 61"

Weight (Net): 7406 lb

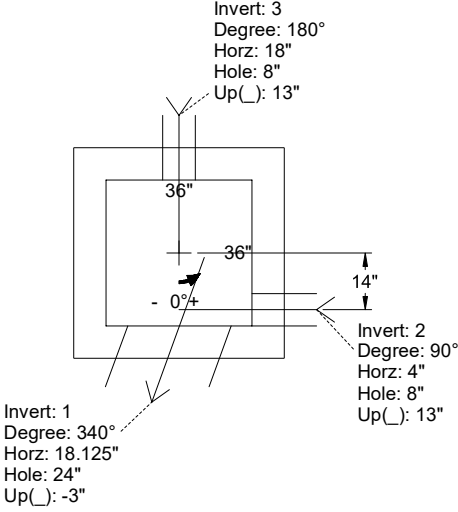
Volume (Net): 1.89cu.yd

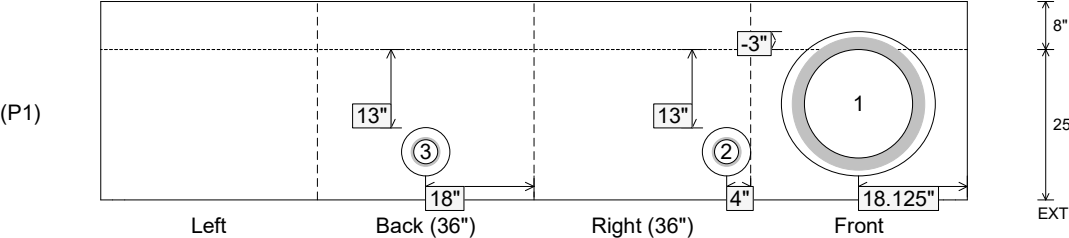
Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt				Plant: 100 6/5/2026 11:57:56 AM		Tech: Jared - A PC: J. Jarvis						
Structure ID: 529												
P1 BX3636-08BAVF				BOX BASE 8inW, 8inF, Variable Ht F/n								
P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P2) 36" x 36" - CB TRANSITION SLAB 24"X36" HOLE T/F - 8" P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25" 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" 1) Hole - 24 2) Hole - 8						3400 lb 5270 lb 1235 lb 4446 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY iCAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP 7. INVERT 2 OFFSET 14" FROM CENTER OF WALL				
Rim: 834.66' 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	829.57'	340°	23.25"	18" ADS N-12	22"	Hole 24	24"	25.54"	-3"	6.25"		
Invert 2	830.82'	90°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	13"	-14"		
Invert 3	830.82'	180°	26"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	13"	0"		
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)



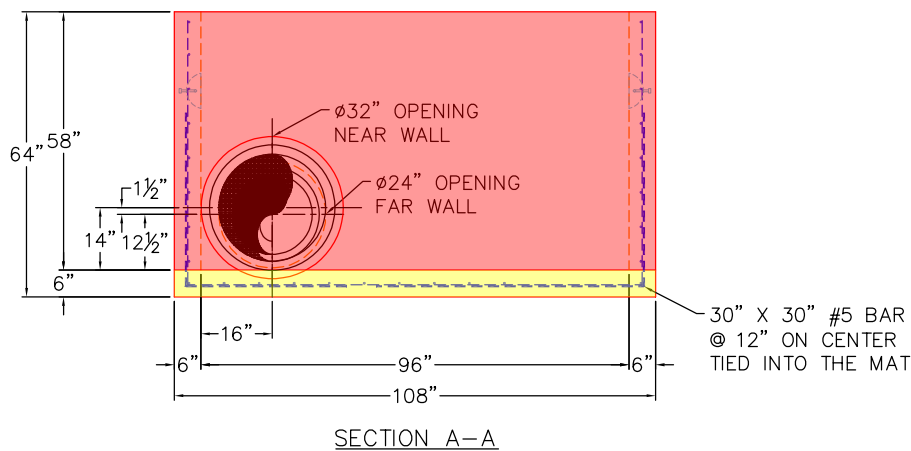
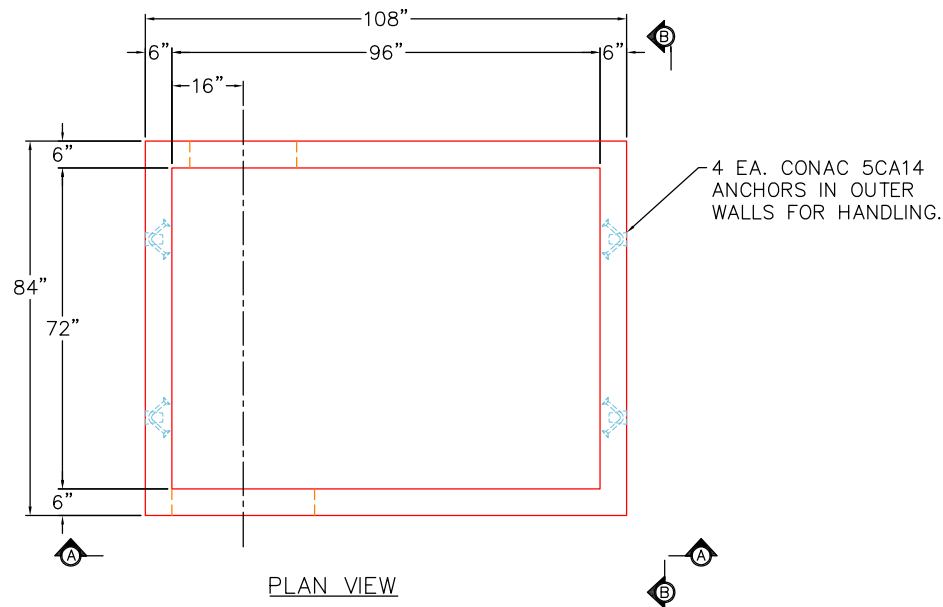
UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS				
				

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 4446 lb Volume (Net): 1.14cu.yd
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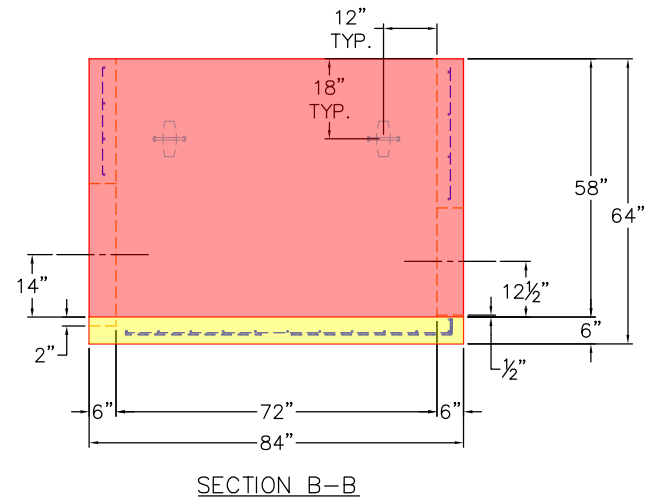
Job Name: 26-2038 - Sturgis Municipal Airport-Ph2 Job Location: Sturgis, KY Contractor: M. Bowling, Inc.					Plant: 100 7/31/2026 11:12:47 AM		Tech: Jared - F PC: A. Chambers				
Structure ID: D8 DBI2											
P2 BX3648-08R-VH			BOX RISER 8inW F/G								
P3) 36" x 48" - P.I.P. - BY OTHERS - 8" P2) 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											
Invert 2											
Invert 3	365.2'	210°	30.625"	6" HDPE	6.9"	Hole 10	10"	11.547"	9.375"	-12"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
#5 DOWELS @ 12" O.C. STUBBED 20" OUT THE TOP OF THE WALLS RIGHT-SIDE UP VIEW (int. dimensions) INVERT: 3 Degree: 210° Horz: 18" Hole: 10" Up() : 9.375" INSIDE WALL DIMENSIONS Front Right (48") Back (36") Left 18" 3 9.375" 36" Coating (Int): Coating (Ext): Seam Up: Flat Seam Dn: Groove Wall Thickness: 8" Floor Height: 0" Height (Int): 36" Height (Ext): 36" Weight (Net): 4772 lb Volume (Net): 1.22cu.yd											



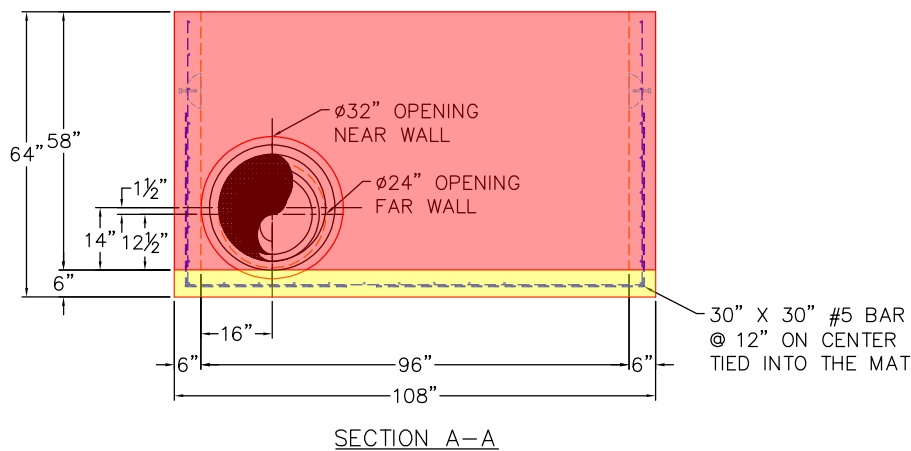
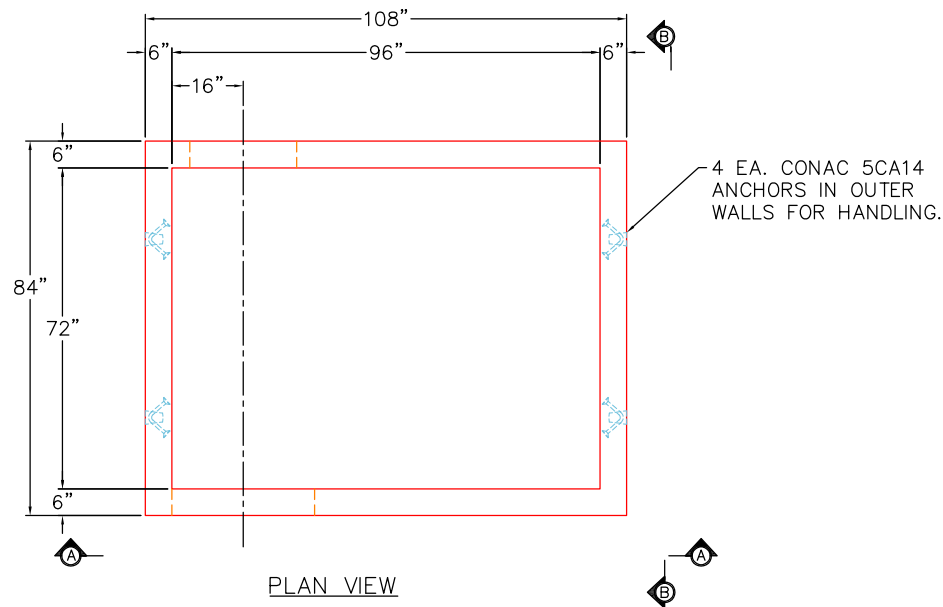
GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: PER ATTACHED DESIGN BY CONTECH.
4. WEIGHTS: TOTAL = 14,447 LBS
FIRST POUR = 4,568 LBS
SECOND POUR = 9,879 LBS
5. VAULT JOINT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST)
6. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
7. INLET & OUTLET PIPE OPENINGS TO BE STENCILED ONTO THE OUTSIDE OF THE PRODUCT.
8. LIFT ANCHORS TO BE PLACED ON THE OUTSIDE OF THE STRUCTURE

FIRST POUR DRAWING



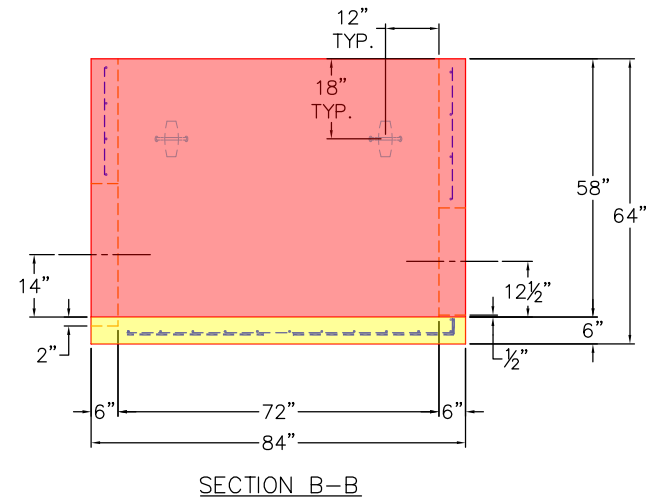
PRODUCTION WORK ORDER		PRODUCT I.D.: BX7296-06W06-VF	DESCRIPTION: 72" X 96" X 58" TALL VAULT BASE	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CORRECT LOCATION. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CONTECH ENGINEERING SOLUTIONS	
		PLANT: BEAVER DAM, KY.	PROJECT: 833109 WAWA NO. 7018	
		WEIGHT: 14,447 LBS.	STRUCTURE: 10-KFPD0608	
		TOP SECTION JOINT: N/A	ORDER NO: 26-3104	
		BASE SECTION JOINT: N/A	PC: C. GOFF	DRAWING: S. FELLETER
		QC CHECK INITIALS:	DATE: 07/28/26	SCALE: NTS PG. 1 of 1



GENERAL NOTES:

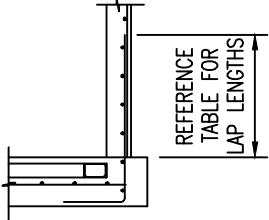
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: PER ATTACHED DESIGN BY CONTECH.
4. WEIGHTS: TOTAL = 14,447 LBS
FIRST POUR = 4,568 LBS
SECOND POUR = 9,879 LBS
5. VAULT JOINT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST)
6. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
7. INLET & OUTLET PIPE OPENINGS TO BE STENCILED ONTO THE OUTSIDE OF THE PRODUCT.
8. LIFT ANCHORS TO BE PLACED ON THE OUTSIDE OF THE STRUCTURE

SECOND POUR DRAWING

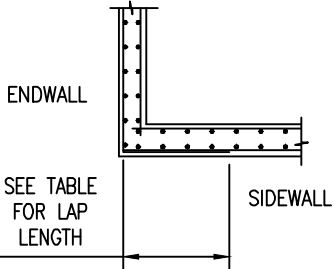


PRODUCTION WORK ORDER		PRODUCT I.D.: BX7296-06W06-VF	DESCRIPTION: 72" X 96" X 58" TALL VAULT BASE	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CORRECT LOCATION. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CONTECH ENGINEERING SOLUTIONS	
		PLANT: BEAVER DAM, KY.	PROJECT: 833109 WAWA NO. 7018	
		WEIGHT: 14,447 LBS.	STRUCTURE: 10-KFPD0608	
		TOP SECTION JOINT: N/A	ORDER NO: 26-3104	
		BASE SECTION JOINT: N/A	PC: C. GOFF	DRAWING: S. FELLETER
		QC CHECK INITIALS:	DATE: 07/28/26	SCALE: NTS PG. 1 of 1

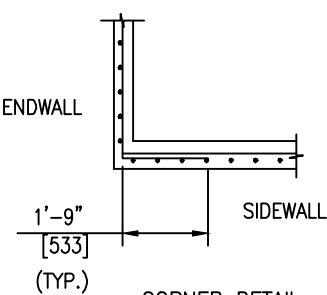
MINIMUM LAP	
BAR SIZE	LAP
#4[10M]	21"[535]
#5[15M]	26"[660]
#6[20M]	31"[790]
#7[20M]	36"[915]
#8[25M]	46"[1170]



ALTERNATE BASE DETAIL



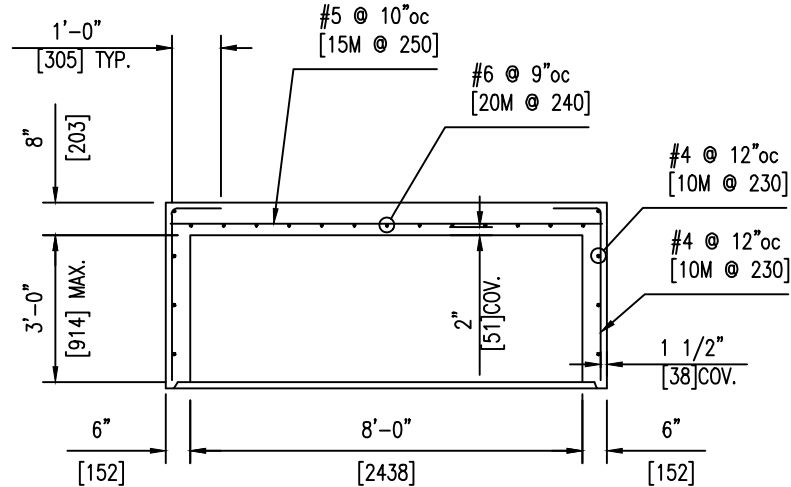
WALL CORNER DETAIL
(PLAN VIEW)
(DOUBLE MAT)



CORNER DETAIL
(PLAN VIEW)
(SINGLE MAT)

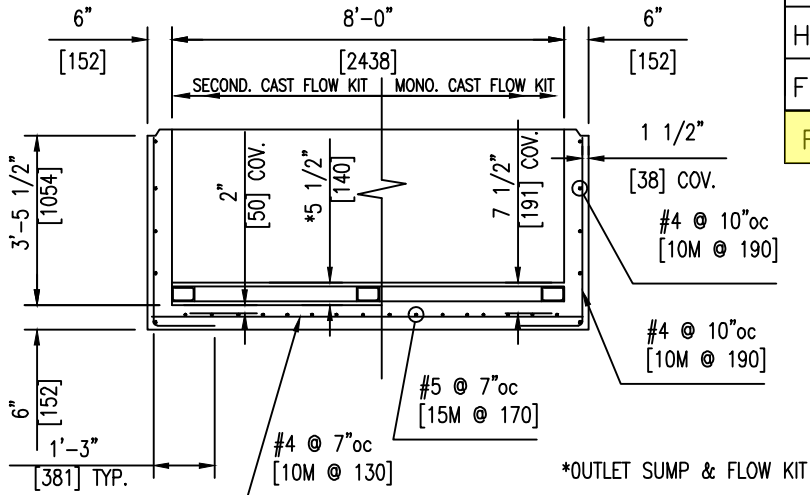
- NOTES:
- DESIGN LOAD = AASHTO HS20-44
 - CONCRETE STRENGTH = 5000psi
 - REINFORCING STEEL - GRADE 60
 - CHART BELOW SHOWS MAXIMUM DEPTH OF FILL FOR UNIT CLASS AT VARIOUS WATER TABLE DEPTHS. DRY INDICATED W/T BELOW UNIT. FILL DEPTHS GREATER THAN 10' SHALL REQUIRE SPECIAL DESIGN.
 - PIPE OPENINGS, SIZE AND LOCATION, AS REQUIRED. PROVIDE ADDITIONAL REINFORCING EQUAL TO THE BARS INTERRUPTED, 1/2 EACH SIDE. ADD #4 DIAGONAL TRIM BARS AROUND OPENINGS.
 - FULL HEIGHT MONO BASE UNIT MUST HAVE TOP SLAB IN PLACE PRIOR TO BACK FILLING.
 - BAR WEIGHTS AND DETAILS BASED ON VISUAL SHOWN.
 - SECONDARY CAST FLOW KIT SHALL BE IN PLACE PRIOR TO BACK FILLING.
 - THE OPENING SIZES AND LOCATIONS MAY VARY. FOR EXACT SIZES AND LOCATIONS SEE CONTECH PROJECT SPECIFIC DRAWINGS.

SECTION	0	3	6	9	DRY
MONO TOP	1.25	2.75	5.25	6.75	8.75
MONO BASE	1.25	2.75	5.25	6.75	8.75
HALF RISER	1.25	2.75	5.25	6.75	8.75
FULL RISER	2.75	4.25	5.75	8.25	10.00
FULL BASE	2.75	4.25	5.75	8.25	10.00



HALF HEIGHT MONOLITHIC TOP UNIT
(BAR WEIGHT = 393 LBS.)

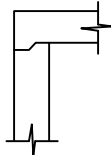
ALTERNATE WALL DESIGN (HORIZONTAL BARS TO OUTSIDE)			
WALLS	VERT.	HORIZ.	COV. TO HORIZ.
6"	#4 @ 12"	#4 @ 12"	1 1/2"



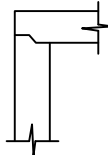
HALF HEIGHT MONOLITHIC BASE UNIT
(BAR WEIGHT = 413 LBS.)

ALTERNATE WALL DESIGN (HORIZONTAL BARS TO OUTSIDE)			
WALLS	VERT.	HORIZ.	COV. TO HORIZ.
6"	#4 @ 9"	#4 @ 10"	1 1/2"

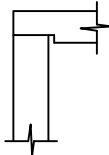
ALT. TOP SLAB
DETAIL A
*SEE BELOW



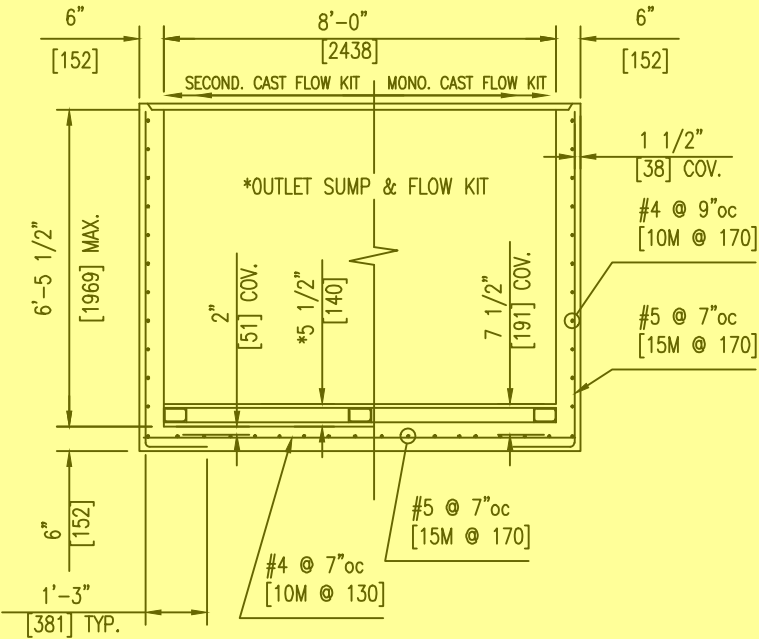
ALT. TOP SLAB
DETAIL B



ALT. TOP SLAB
DETAIL C

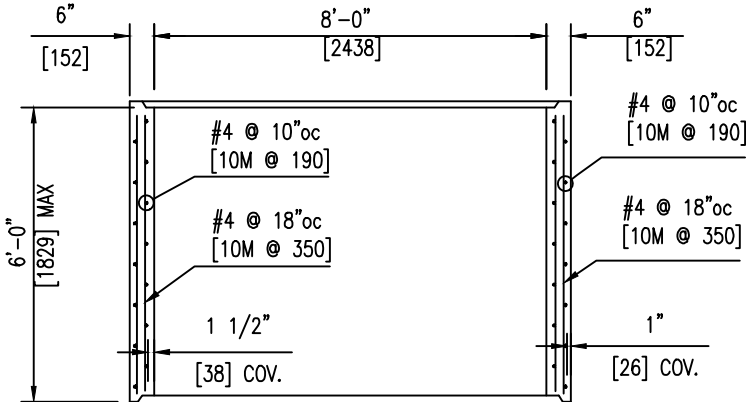


* ALTERNATE SLAB DETAIL "A" CANNOT BE USED WITH FULL HEIGHT MONO BASE. SEE NOTE 6 ABOVE.

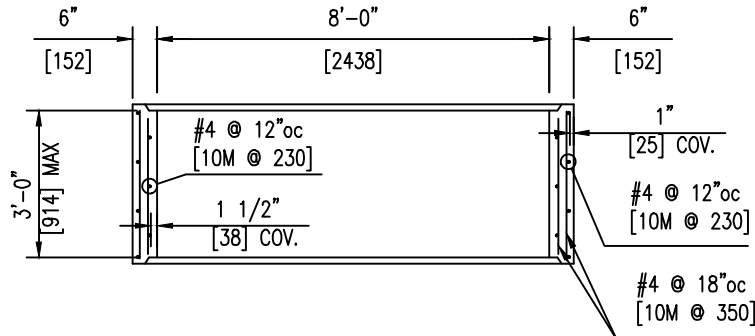


FULL HEIGHT MONOLITHIC BASE UNIT
(BAR WEIGHT = 839 LBS.)
SEE NOTE 6

ALTERNATE WALL DESIGN (HORIZONTAL BARS TO OUTSIDE)			
WALLS	VERT.	HORIZ.	COV. TO HORIZ.
6"	#5 @ 10"	#4 @ 10"	1 1/2"



FULL HEIGHT RISER UNIT
(BAR WEIGHT = 526 LBS.)



HALF HEIGHT TOP RISER UNIT
(BAR WEIGHT = 229 LBS.)

STORMFILTER 8' X 6': 600 CLASS 6'-0" L x 8'-0" W x 6'-0" I.D.

PREPARED FOR:

TITLE: STORMFILTER 8 X 6 - 600 CLASS

PREPARED BY: PROJECT: STORMFILTER

DRAWN BY: KMK

CHECKED BY: SLV

SCALE: NONE

DATE: 10/2009

JOB No: 2007.025.058

NUMBER: SFBX6

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 8:05:53 AM

Tech: S. Felletter

PC: T. Ryan



Structure ID: WQU-2

P7 GR3

GRADE RING F/F

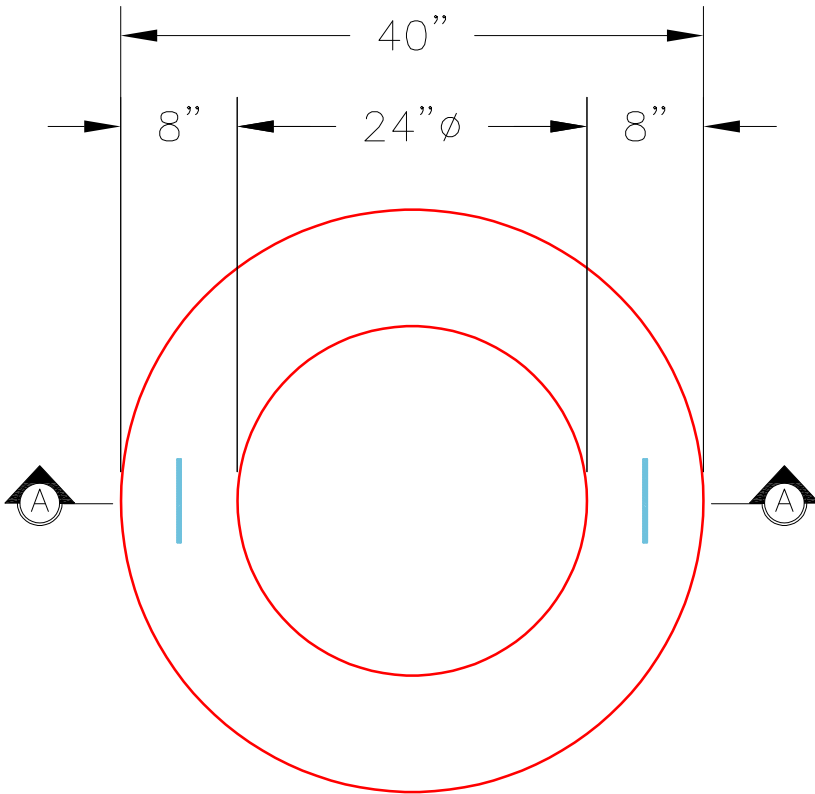
P8) 24" - CASTING HEIGHT - 7"
P7) 24" - GRADE RING F/F - 3"
P6) 48" - MH FLAT LID w/24" Center Hole F/G - 12"
P5) 48" - MH RISER NO STEPS T/G - 18"
P4) 48" - MH RISER NO STEPS T/G - 60"
P3) 48" - MH RISER NO STEPS T/G - 72"
P2) 48" - MH RISER SPECIAL T/G - 72"
P1) 48" - MH BASE T/n - 24"
1) ASSEMBLY 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 Total: 20389 lb

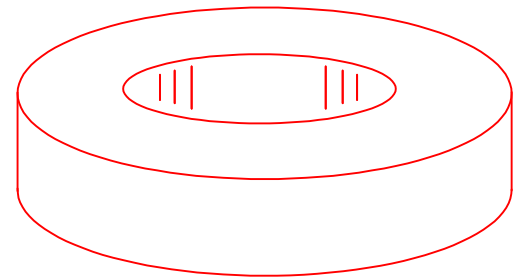
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-375 F/C "STORM").
4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)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

NOTES:

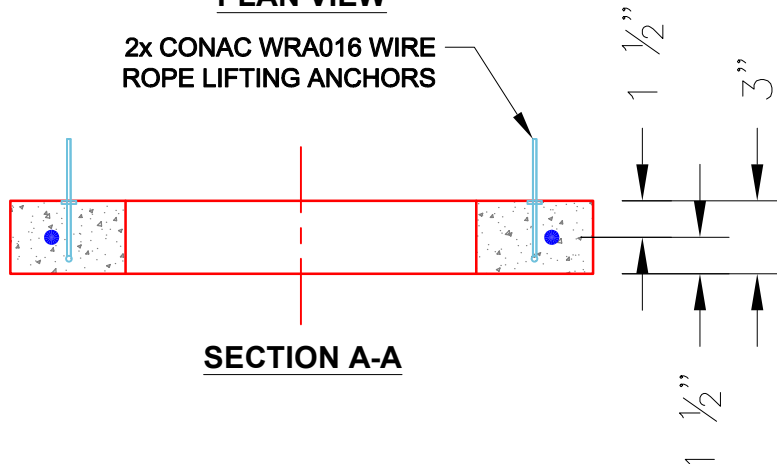
- GRADE RINGS MEET OR EXCEED THE FOLLOWING SPECIFICATIONS:
-CONCRETE: 4,000 PSI @ 28 DAYS.
-REINFORCING: (1) #3 HOOP CENTERED (GRADE 60)
- WEIGHT: 3" 202 LBS.



PLAN VIEW



ISOMETRIC VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 3"

Weight (Net): 202 lb
Volume (Net): 0.05cu.yd

Arcadia™ Hydrodynamic Separator Installation Guide

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

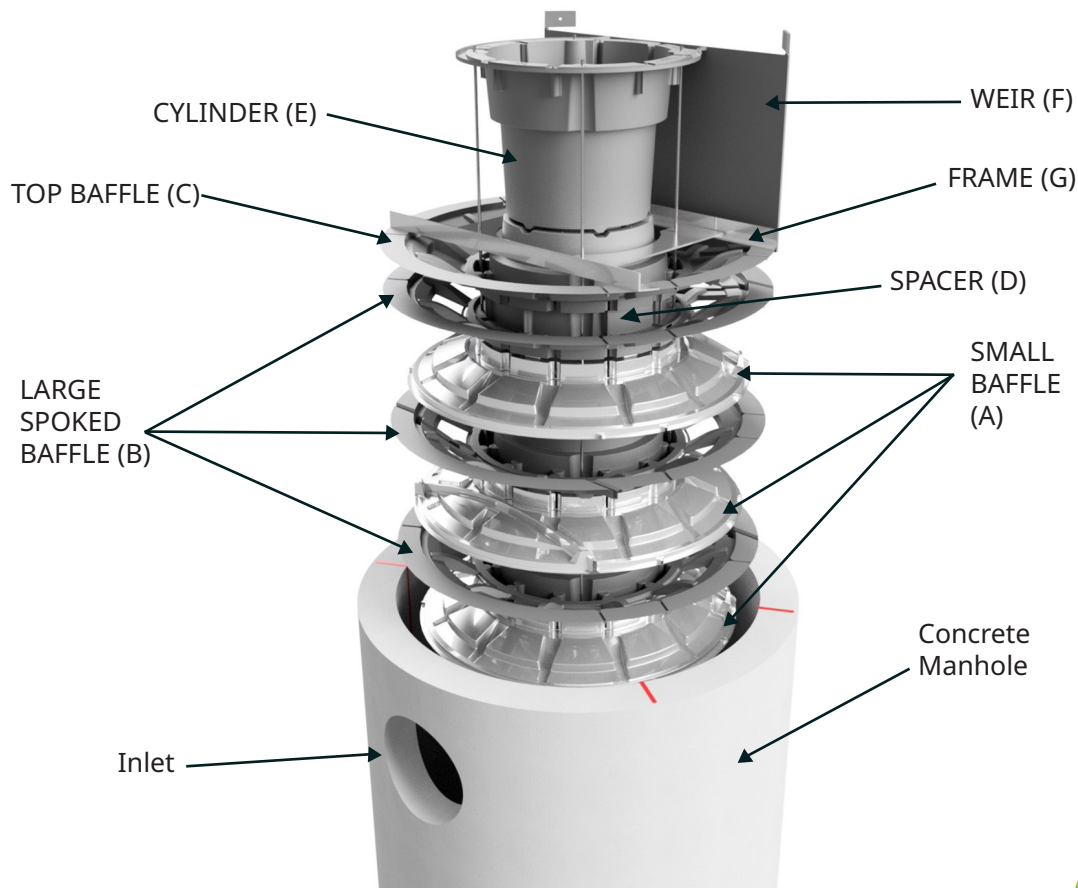
Section 1: Internal Components, Hardware & Tools

Section 2: Assembling Internal Components

Section 3: Mounting Brackets within Concrete Manhole Riser

Section 4: Transporting Assembled Arcadia Internals

Section 5: 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

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**

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)".
- Conesal 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
- Phillips screwdriver or screw gun with Phillips bit
- 4 small hand clamps
- Pair of sawhorses

Section 2: Assembling Internal Components

1. Suggested procedure to facilitate assembly:
 - Utilize a set of sawhorses to support the initial assembly.
 - Set the spacing between the sawhorses (outside distance, see **figure 1**) according to the table below.

Arcadia Model	Spacing in (mm)
AR3	10 (250)
AR4	15 (375)
AR5	17 (425)
AR6	19 (475)
AR8	25 (625)

2. Place one SMALL BAFFLE (A) on the saw horses with the molded word "UP" readable and facing upward."

*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 2**.*

3. Rotate the baffle as needed to ensure the word UP is aligned with that of the previous baffle, then slide one LARGE SPOKED BAFFLE (B) down the threaded rods until it rests on the previous part, as shown in **figure 3**. Each part mates with the previous part in only one orientation.
4. Place another SMALL BAFFLE (A) on top of the previous part, as shown in **figure 4**. There should now be a total of three (3) baffles in place (two SMALL BAFFLES (A) and one LARGE SPOKED BAFFLE (B)).

Note: The long threaded rods will not reach up to the third baffle yet.

5. One at a time, grasp each of the long threaded rods and feed / pull up through the three baffles until the washer end is tight against the underside of the bottom baffle. Place a hand clamp on each long threaded rod against the top-most baffle to hold it in position, as shown in **figures 5 and 6**.
6. Carefully lower the entire assembly to floor level. If picking up by hand, this is most easily done by grasping two of the long threaded rods in between baffles.
7. Once on the floor, remove all 4 clamps and allow long threaded rods to rest on the floor.

Scan the QR Code
to watch the
Arcadia
installation video



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

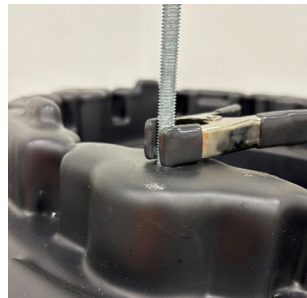


Figure 6



8. Repeat steps 2 & 3 once, then step 2 once more, such that two more LARGE SPOKED BAFFLE (B) and one more SMALL BAFFLE (A) have been added, for a total of six baffles, as shown in **figure 7**.
9. If SPACER (D) is supplied, slide it down the long threaded rods until it rests on the previous part. The SPACER (D) flange should be oriented down, as shown in **figure 8**.

Note: there is no SPACER (D) provided for the 3' (0.9 m) diameter unit (AR3) and the 6' (1.8 m) diameter unit (AR6). For these two sizes, skip this step.

10. Slide TOP BAFFLE (C) down the long threaded rods until it rests on the previous part, as shown in **figure 9**. 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.
11. 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 10**. 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.

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 **figure 11 and 12**.
13. Slide FRAME (G) onto the threaded rods until it rests flat on TOP BAFFLE (C). Orient FRAME (G) so that it aligns parallel to the flat portion of TOP BAFFLE (C), as shown in **figure 13**.

Note: Make sure the frame is installed upright, with the angled bends pointing upward, as shown in figure 13.

14. Add another washer and nut to each of the long threaded rods above FRAME (G). Do not screw the nut all the way down. 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. Leave the nut just below the coupling, as shown in **figure 14**. (This is to facilitate step 17.)

Figure 7



Figure 8

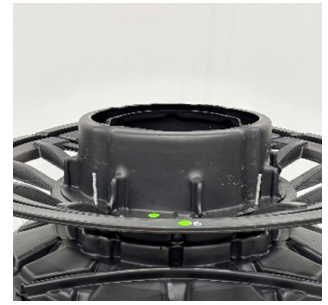


Figure 9



Figure 10



Figure 11



Figure 12

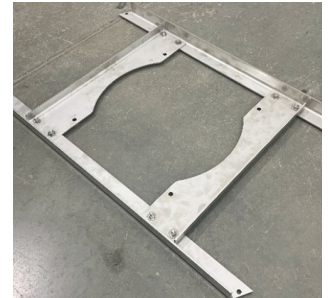


Figure 13

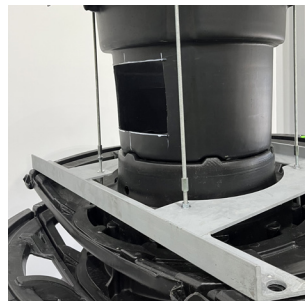


Figure 14



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 15**.
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 16**. 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 a 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 17 and 18**; then push the other end home and secure with screw. For the 8' (2.4 m) diameter unit (AR8), add additional screws into the slot and through the bottom of the weir at approximately the middle, 1/4, and 3/4 positions.
19. Screw down 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) if they have loosened. 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 19**.
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 20**.

Figure 15



Figure 16



Figure 17



Figure 18



Figure 19



Figure 20



Section 3: Mounting Brackets within Concrete Manhole Riser

Materials provided by ADS

- Mounting Template (Qty: 1)
- Brackets (Qty: 4)
- ¼" (6.35 mm) Diameter 20 thread size,
3 ¼" (82.55 mm) wedge anchors (Qty: 4)

Other Tools Needed

- Drill
 - ¼" (6.35mm) Masonry drill bit
 - Hammer
 - 7/16" (11.11 mm) socket or wrench
 - Masking Tape
 - Rigging
1. Use one of the 3 methods below to locate and mark the elevation and center line for each of the 4 brackets.
 - a. Mounting Template Method:
 1. Position top of template to match the outlet pipe invert elevation.
 2. Align centerline of template with the center of the outlet pipe hole.
 3. Spread template along inner circumference of the manhole wall, maintaining level. Affix with tape as you proceed. Check level as you proceed.
 4. Mark bracket elevations and centerlines at bottom of template.
 5. Remove template.
 - b. Angular Dimensions Method:
 1. 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.
 - c. Linear Dimensions Method:
 1. 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 22

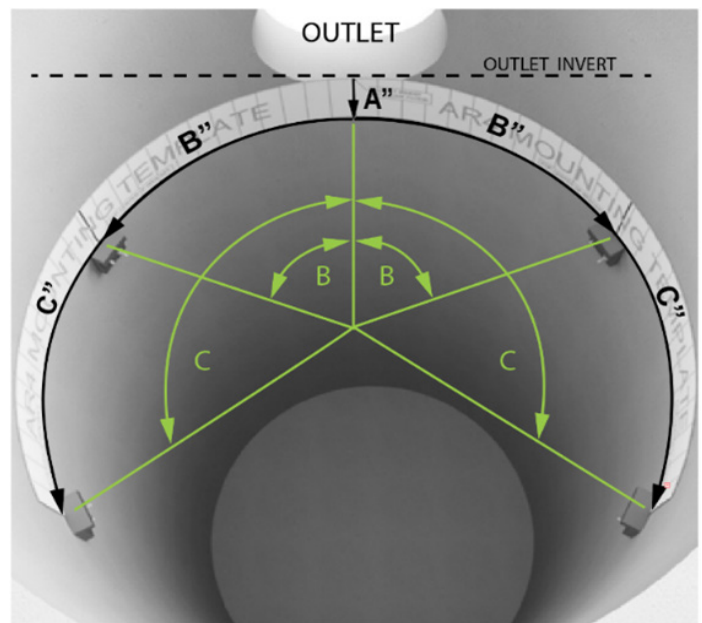


Table 1: Angular Measurements

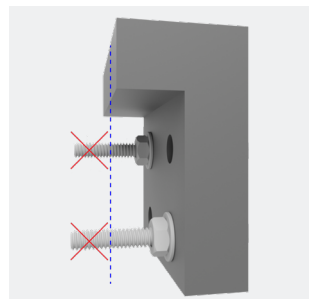
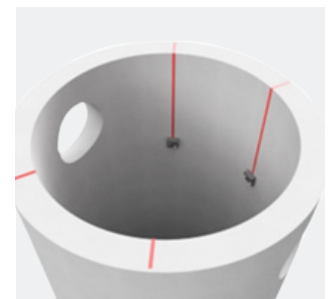
Arcadia Model	A. Depth from Outlet Invert in (mm)	B. Angle from Outlet Center	C. Angle from Outlet Center
AR3	4 1/2 (114.3)	65°	115°
AR4	5 1/2 (139.7)	60°	120°
AR5	6 (150)	65°	115°
AR6	6 1/2 (165.1)	60°	120°
AR8	8 (200)	60°	120°

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)
AR3	4 1/2 (114.3)	20 3/8 (517.5)	36 1/8 (917.6)
AR4	5 1/2 (139.7)	25 1/8 (638.1)	50 1/4 (1276.3)
AR5	6 (150)	34 (850)	60 1/8 (1527.2)
AR6	6 1/2 (165.1)	37 3/4 (958.8)	75 1/2 (1917.7)
AR8	8 (200)	50 1/4 (1276.3)	100 1/2 (2552.7)

- Hold bracket in position in manhole at locations indicated. Mark anchor holes for each bracket as shown in **figure 23**.
- Drill two 1/4" (6.35 mm) holes per bracket, 2 1/2" (63.5 mm) deep. Diagonal holes are recommended. Extra holes provided if needed as shown in **figure 24**.
- 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 25**.
- 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 26**.

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 23**Figure 24****Figure 25****Figure 26**

Section 4: Transporting Assembled Arcadia Internals

Placing assembled Arcadia inside concrete manhole riser section; Most common.

1. Choosing a segment of precast concrete manhole riser or base.
 - For transport, choose a riser section that does not contain the mounting brackets, with the following minimum riser depths. 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 5.
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 shown in **figures 27 and 28**.
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 below and seen in **figures 29 and 30**.

Minimum Depth Transport Riser Section ft (m)	Arcadia Model
3 (0.9)	AR3
4 (1.2)	AR4, AR5, AR6
5 (1.5)	AR8
6 (1.8)	AR10

Figure 27



Figure 28



Figure 29



Figure 30



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 the Installation Guide

Transporting without a concrete riser?
Contact ADS for guidance.

Table 4: Arcadia Separator Internals Weight Once Assembled

Arcadia Model	AR3	AR4	AR5	AR6	AR8	AR10
lbs (kg)	82 (37.1)	165 (74.8)	252 (411.3)	356 (161.4)	882 (400)	1306 (592.3)

Section 5: Installing Arcadia Internals into the Manhole

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)
- ¼" (6.35 mm) Diameter 20 thread count, 3 ¼" (82.55 mm) wedge anchors (Qty: 2)
- ⅝" (7.93 mm) Diameter 1 ½" (38.1 mm) hex head lag screws and washers (Qty: 4)
- ¼" (6.35 mm) high speed drill bit for drilling into steel brackets (only for AR8 model)
- Conseal Roll(s)

Other Tools Needed

- Drill
 - ¼" (6.35 mm) Masonry Drill Bit
 - ⅜" (4.76 mm) Multi-Purpose Drill Bit
 - Hammer
 - ⅞" (11.11 mm) 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 31 and 32**. Set the Arcadia unit on level ground.
 2. Locate the concrete riser section with Arcadia Mounting Brackets installed.
 3. 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 33**.
 4. Rig 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 31 and 32**.

Figure 31



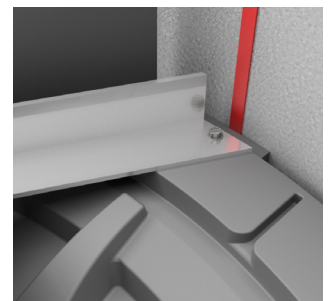
Figure 32



Figure 33



Figure 34



- a. Keep the WEIR (F) centered above the outlet pipe opening. See **figure 35**.
- 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 36**.

5. 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.
6. 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.
7. 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 plastic brackets beneath. First pre-drill each with a 3/16" (4.76 mm) drill bit, or for AR8 use the provided 1/4" (6.35 mm) drill bit into steel brackets below. Use 7/16" (11.11 mm) socket to drive in lag screws until snug.
8. Affix WEIR (F) edges to manhole walls using concrete anchors. See **figures 37 and 38**.
 - a. Bend WEIR (F) installation tabs to the manhole wall as shown in **figure 37**.
 - b. Mark holes for anchors, one hole per tab.
 - c. Drill a 1/4" (6.35 mm) hole 2 1/2" (63.5 mm) deep at each marked hole.
 - d. Bend WEIR (F) installation tabs to manhole wall.
 - e. Insert anchors and lightly hammer in place to secure WEIR (F) to manhole wall.
 - f. Tighten the locking nuts to firmly secure brackets to the manhole wall as shown in **figure 38**.
9. Finally, seal WEIR (F) & TOP BAFFLE (C) edges to manhole wall using conseal to fill any gaps. See **figure 35**.

Figure 35

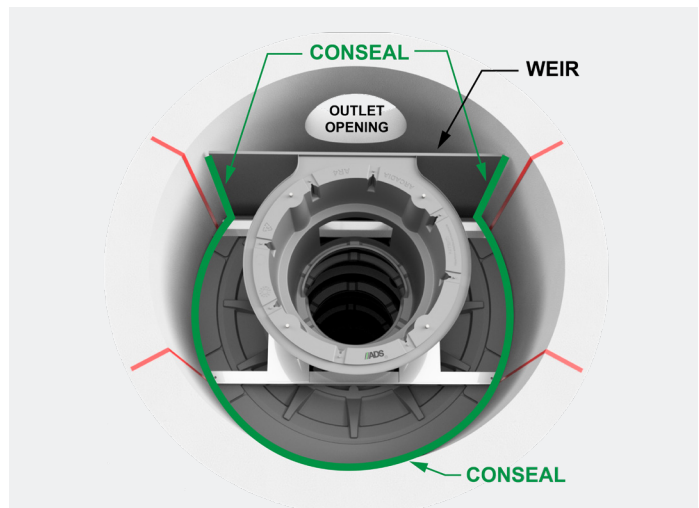


Figure 36

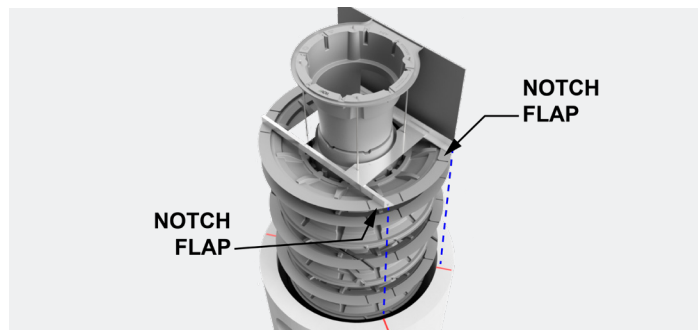


Figure 37

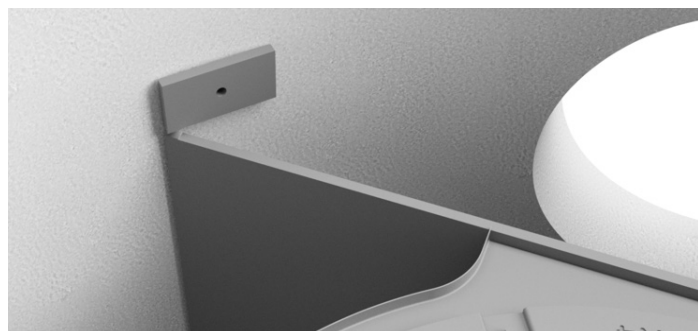
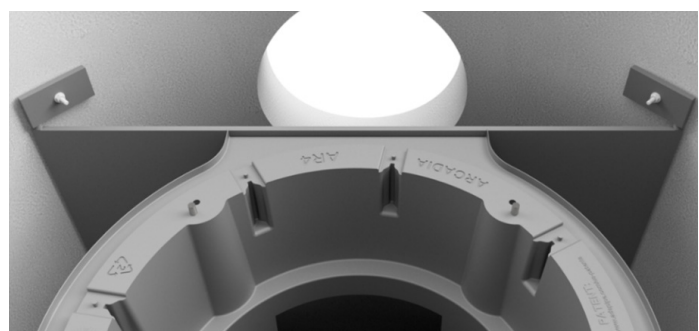


Figure 38



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: 535

P2 BX036036-08LD08-15X27

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

- P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
P2) 36" x 36" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"
P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 53"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 36" x 36" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 24
2) Hole - 4

Structure Total:

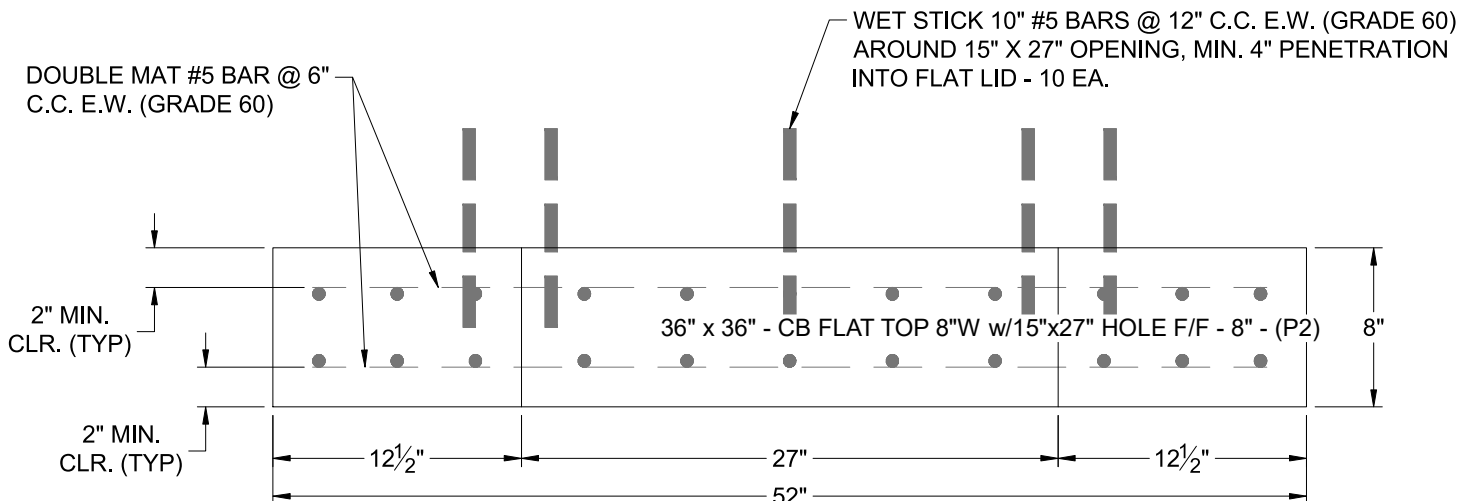
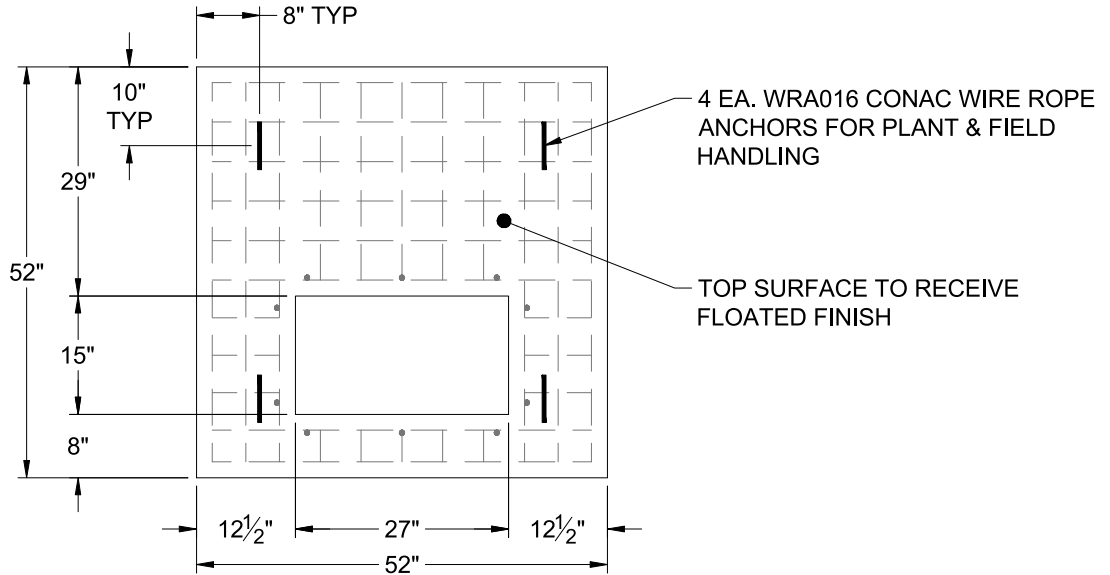
0 lb
1543 lb
7406 lb
237 lb
0 lb
0 lb
0 lb
0 lb

9186 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): 1543 lb
Volume (Net): 0.39cu.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: 37887-142 SBIA - 2

P2 BX048048-08LD12S

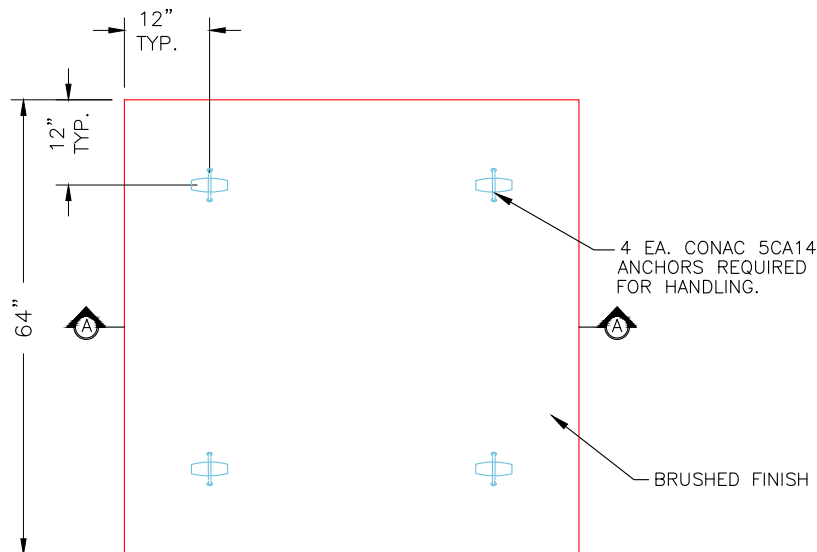
BX FLAT LID 8inW SOLID F/F

- 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

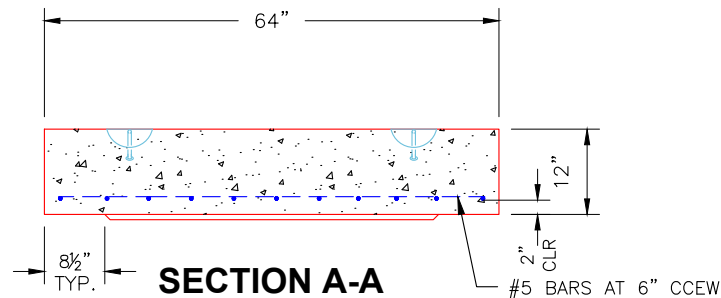
4124 lb
13069 lb
0 lb
0 lb
0 lb

Structure Total: 17193 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.



PLAN VIEW



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): 4124 lb
Volume (Net): 1.05cu.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: 37887-142 SBIA

P2 BX048048-08LD12S

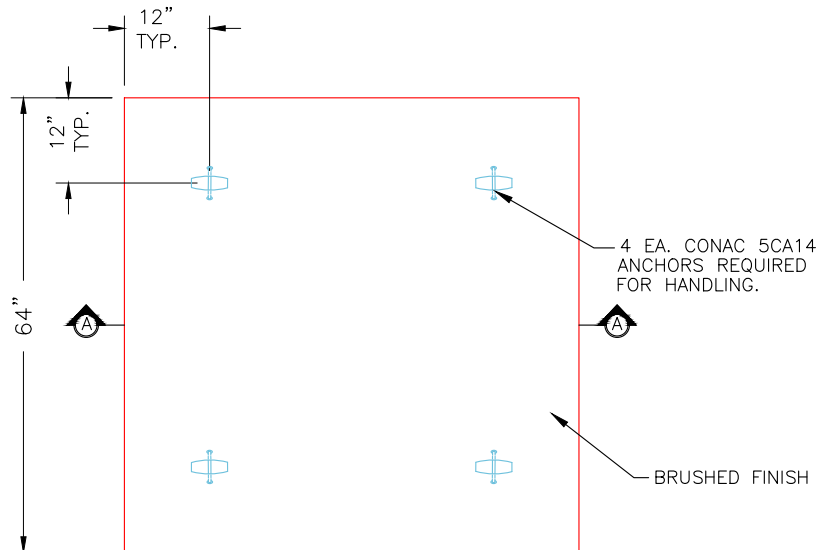
BX FLAT LID 8inW SOLID F/F

- 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

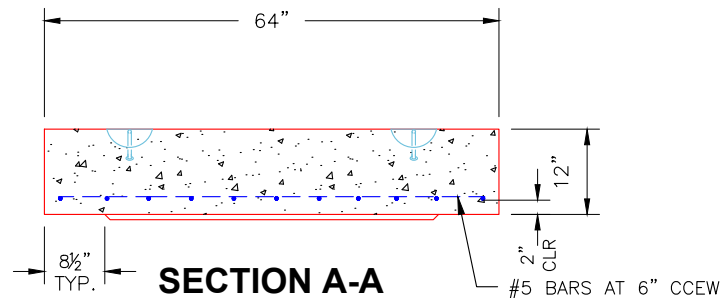
4124 lb
13098 lb
0 lb
0 lb
0 lb

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.



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

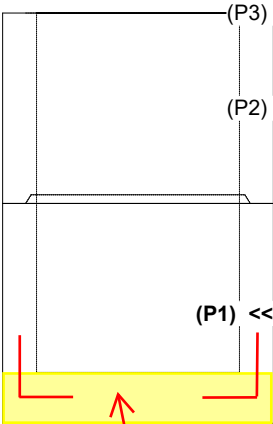
Wall Thickness: 8"

Height (Ext): 12"

Weight (Net): 4124 lb
Volume (Net): 1.05cu.yd

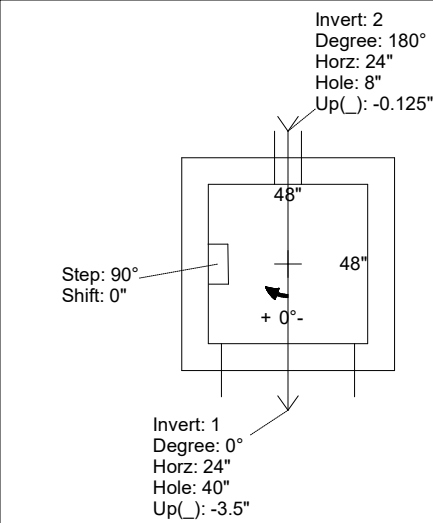
Job Name: 26-2270 - Walmart #299 Fuel Station Job Location: Bowling Green, KY Contractor: Stewart Richey					Plant: 100 8/10/2026 2:19:09 PM		Tech: Jared - F PC: T. Lewis				
Structure ID: OCS ST-OCS											
P1 BX4848-08W12F-BAVF BOX BASE 8inW, 12inF, Variable Ht T/n											
P3) 48" x 48" - CASTING 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 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.				
Structure Total: 16173 lb											
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	532.9'	0°	32"	30" RCP B WALL	37"	Hole 40	40"	40"	-3.5"	0"	
Invert 2	532.9'	180°	32"	6" PVC PERF	6.28"	Hole 8	8"	8"	-0.125"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

FIRST POUR DRAWING



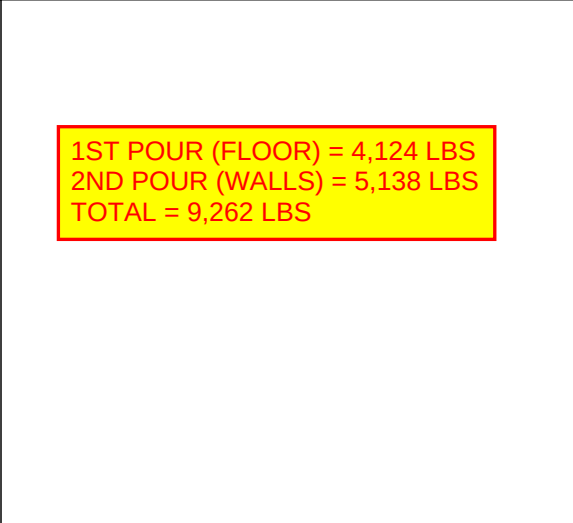
1ST POUR (FLOOR)
STUB #5 L BARS OUT
TOP FLOOR, SPA AT
12" C/C FOR
CONNECTING WALLS

RIGHT-SIDE UP VIEW (int. dimensions)

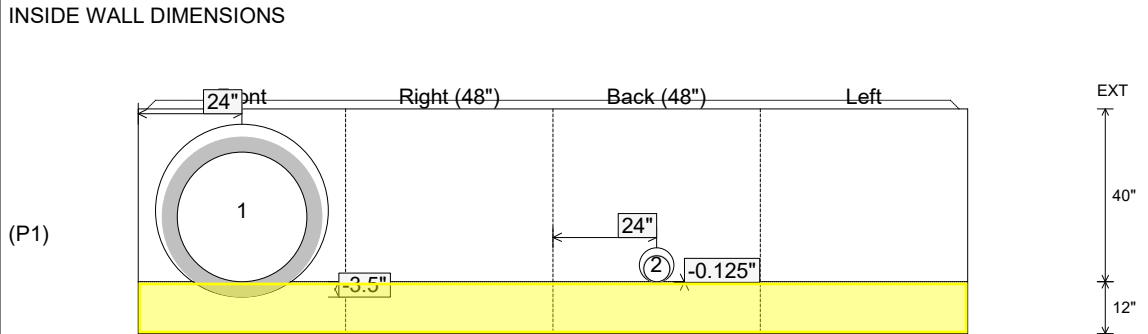


UPSIDE-DOWN VIEW (int. dimensions)

1ST POUR (FLOOR) = 4,124 LBS
2ND POUR (WALLS) = 5,138 LBS
TOTAL = 9,262 LBS



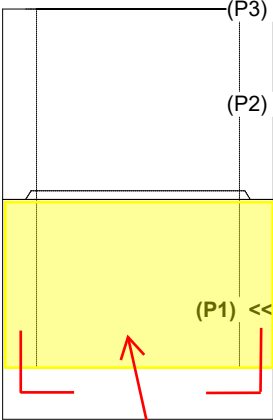
INSIDE WALL DIMENSIONS



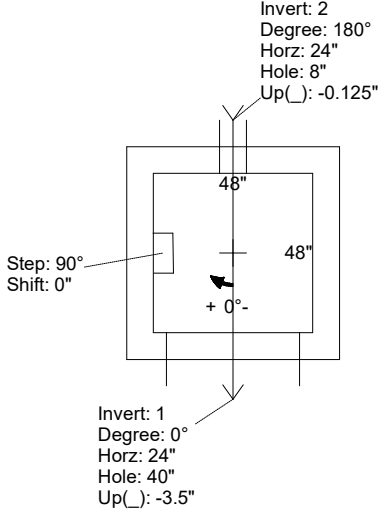
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 12"	Height (Int): 40" Height (Ext): 52"	Weight (Net): 9262 lb Volume (Net): 2.37cu.yd
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Job Name: 26-2270 - Walmart #299 Fuel Station Job Location: Bowling Green, KY Contractor: Stewart Richey					Plant: 100 8/10/2026 2:19:09 PM		Tech: Jared - F PC: T. Lewis				
Structure ID: OCS ST-OCS											
P1 BX4848-08W12F-BAVF BOX BASE 8inW, 12inF, Variable Ht T/n											
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 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.				
Structure Total: 16173 lb											
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	532.9'	0°	32"	30" RCP B WALL	37"	Hole 40	40"	40"	-3.5"	0"	
Invert 2	532.9'	180°	32"	6" PVC PERF	6.28"	Hole 8	8"	8"	-0.125"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

SECOND POUR DRAWING

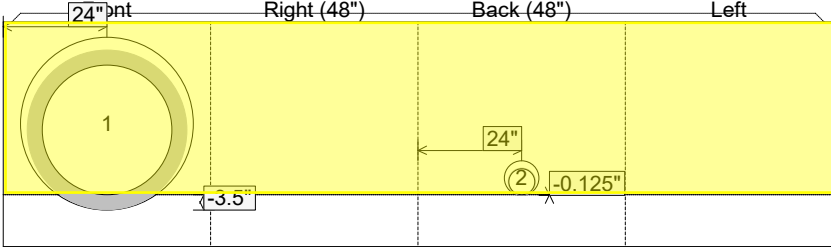


RIGHT-SIDE UP VIEW (int. dimensions)

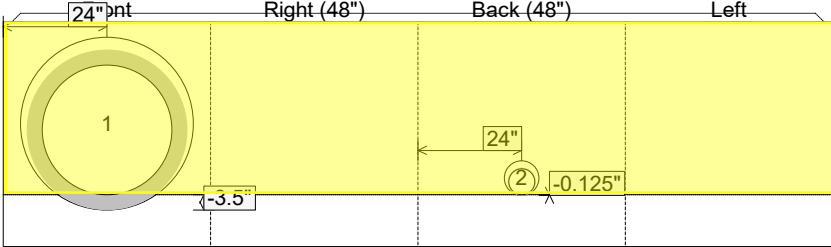


UPSIDE-DOWN VIEW (int. dimensions)

1ST POUR (FLOOR) = 4,124 LBS
2ND POUR (WALLS) = 5,138 LBS
TOTAL = 9,262 LBS



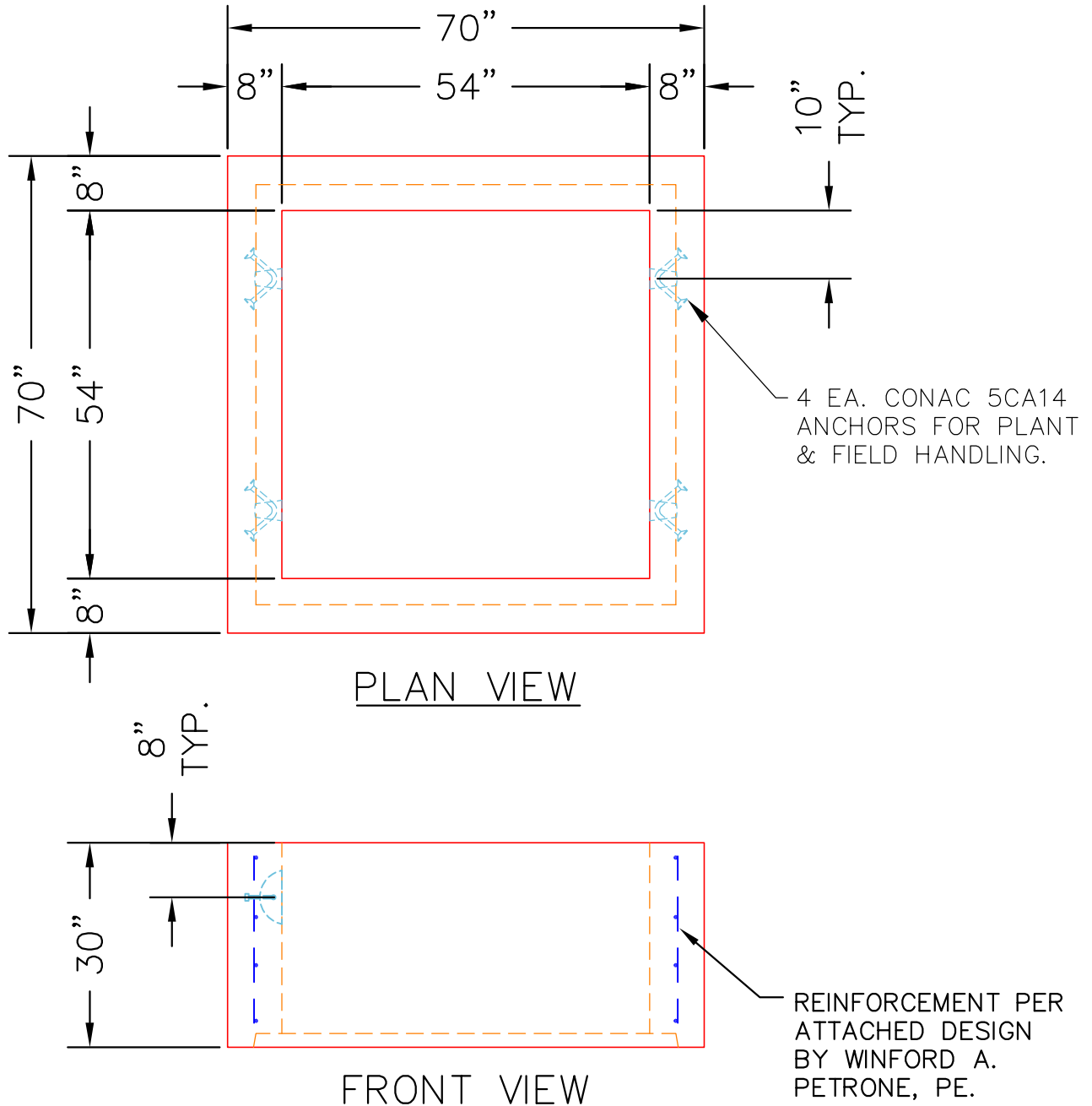
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 12"	Height (Int): 40" Height (Ext): 52"	Weight (Net): 9262 lb Volume (Net): 2.37cu.yd
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STRUCTURE NOTES:

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

**PRODUCTION WORK ORDER**

PRODUCT I.D.:
BX5454-08RVF

DESCRIPTION: 54" X 54" X 30" TALL BOX RISER

**QUALITY CONTROL CHECKLIST**

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

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 4,994 LBS.

TOP JOINT: FLAT

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: VAULT 3

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/31/26

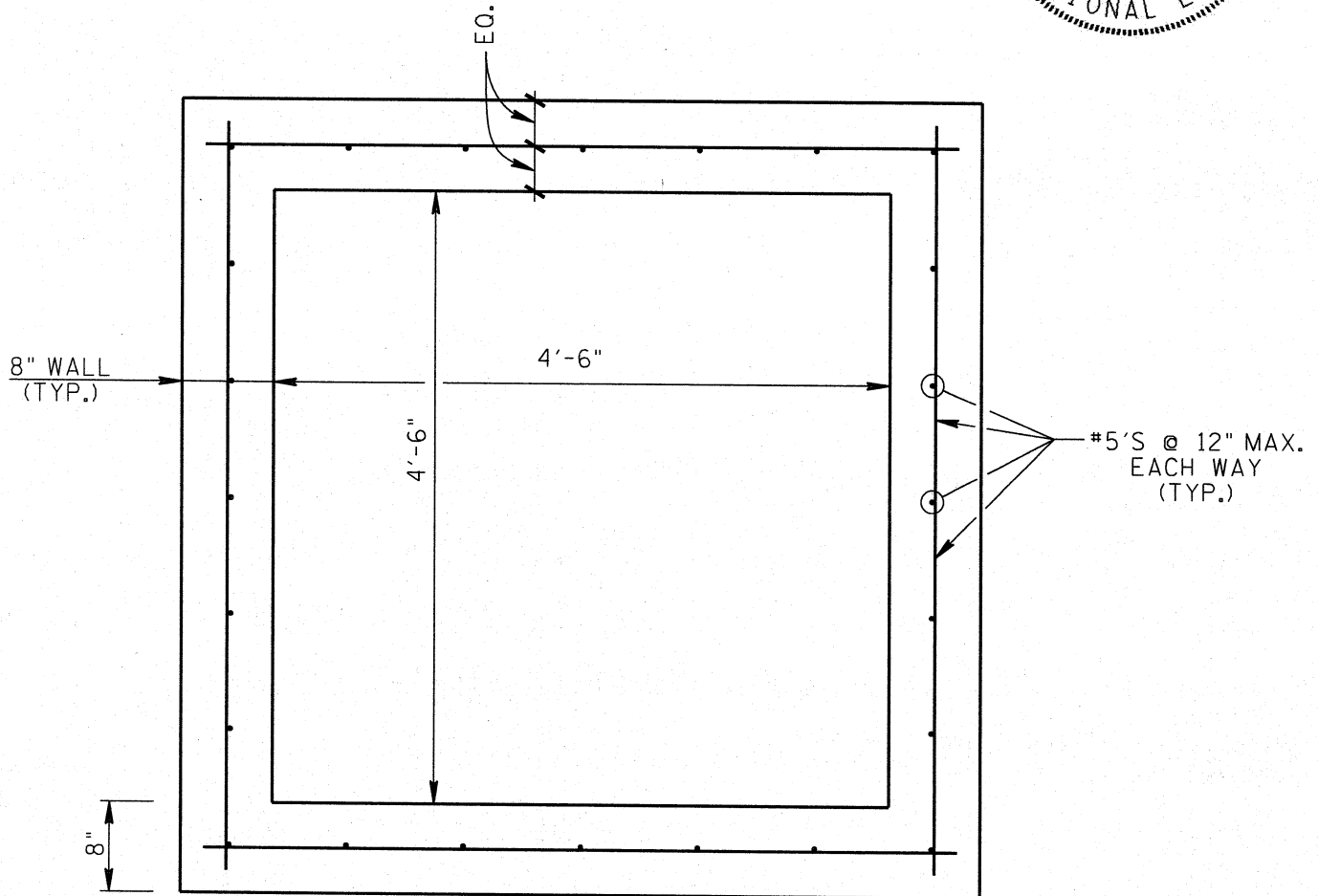
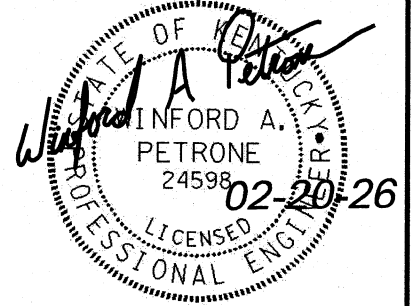
SCALE: NTS

PG.

1 of 1

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

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



TYPICAL WALL SECTION
54"X54" RISER: SHOWING REINFORCEMENT

SK-3

VAULT 3: 54"X54" RISER, WALL SECTION
UK BP9 SITE THERMAL AND ELECTRIC