

Job Name: 25-4508 - Georgetown Commons Target
Job Location: Georgetown, KY
Contractor: Winwater Hartford KY Co.

Plant: 100

5/28/2026 11:26:57 AM

Tech: Jared - F
PC: A. Chambers



Structure ID: 105 (27)

P2 MH048LD12ECC

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

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 69"
1) CASTING - HOE MC-375 F/C Storm
1) 48" - Conseal CS-102 1.00"
2) Hole - 30
1) Hole - 16
6) MH Step ML-10-TDS-NCR - 10"

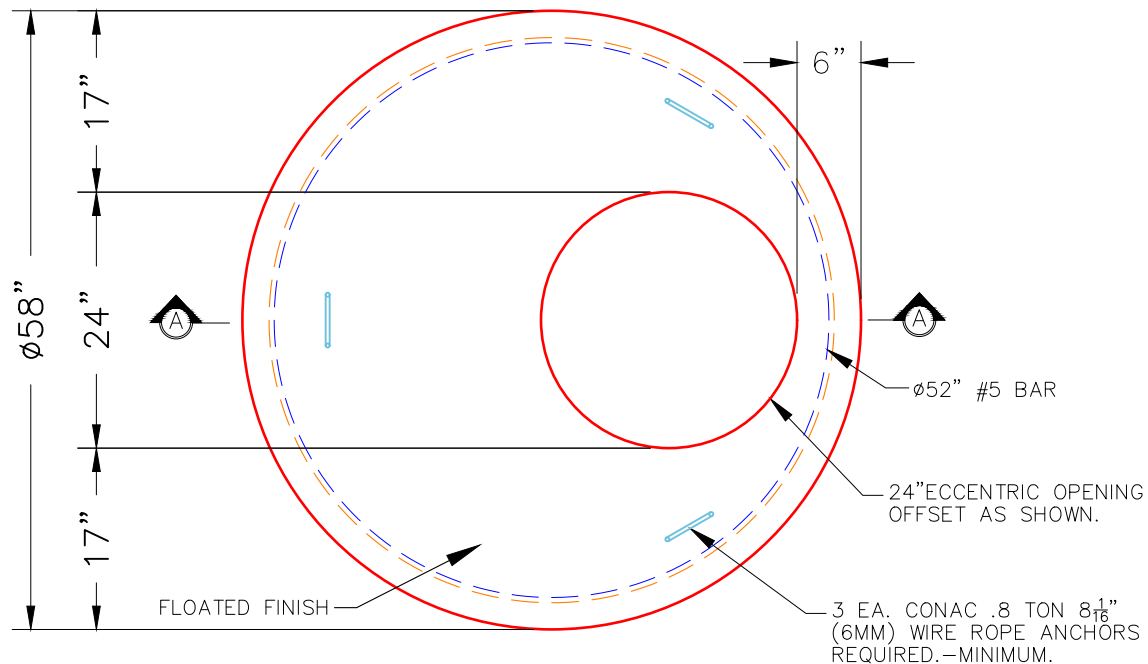
0 lb
1561 lb
5433 lb
271 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 7265 lb

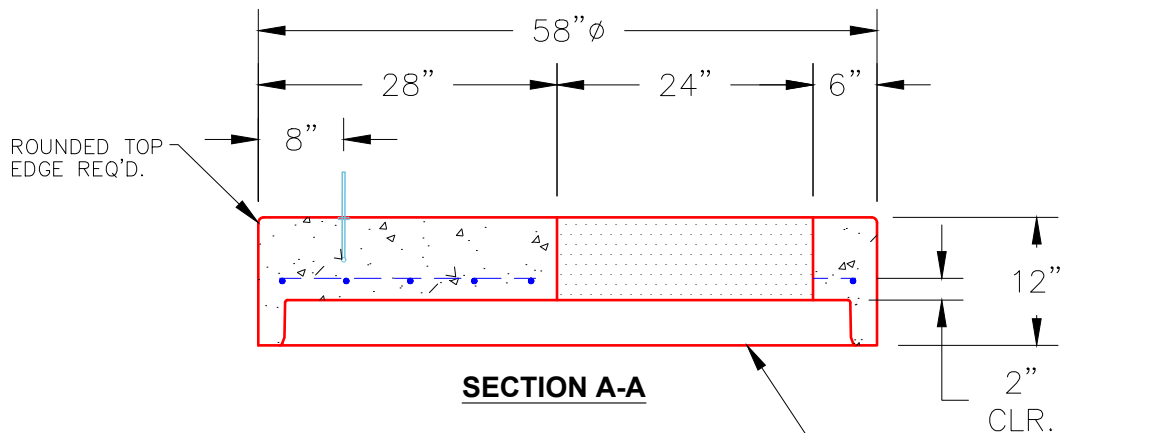
Structure Notes:

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

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



PLAN VIEW



SECTION A-A

NOTES:

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

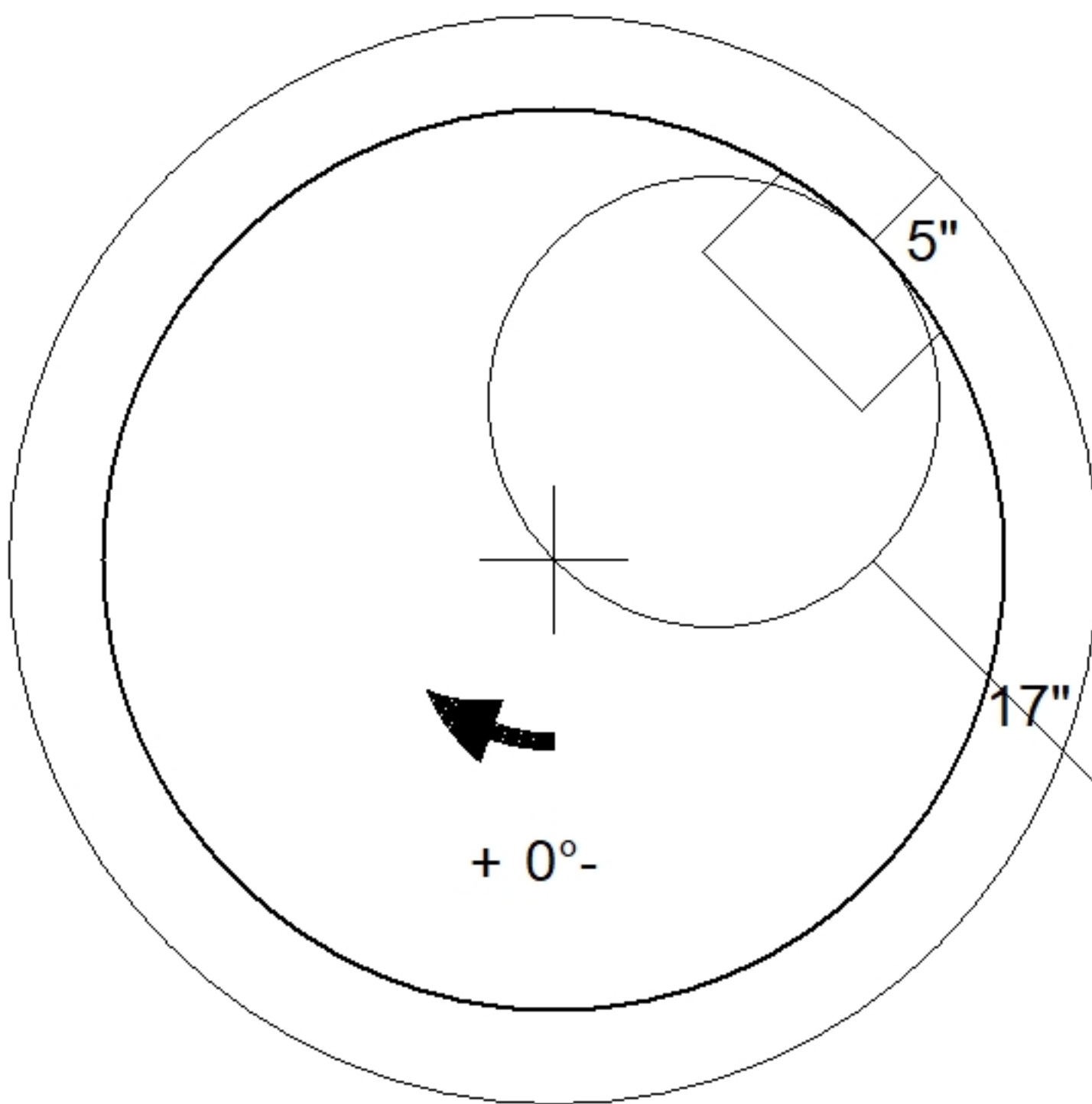
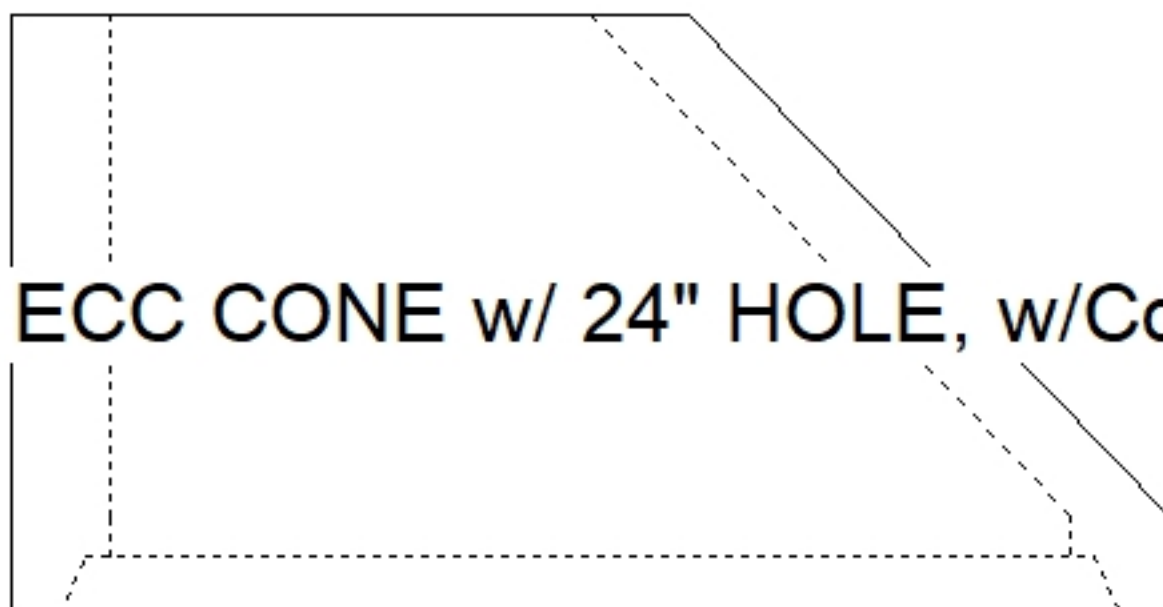
Coating (Int):
Coating (Ext):

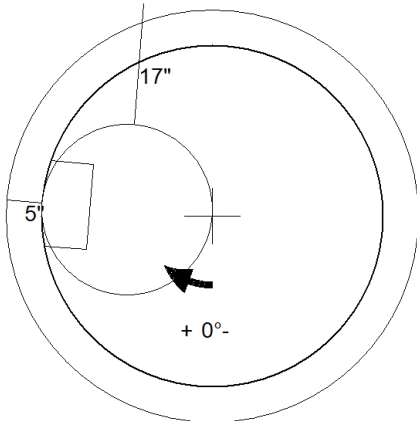
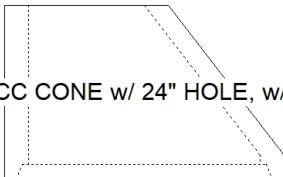
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

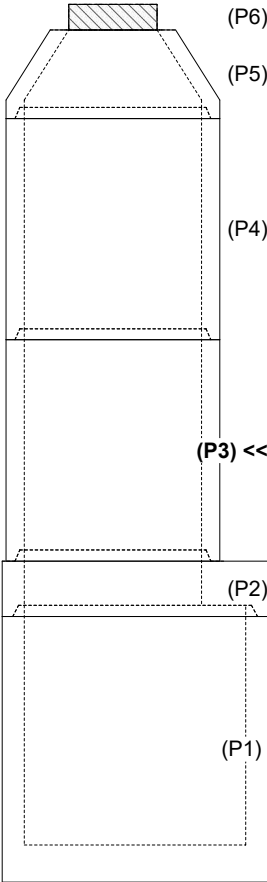
Height (Ext): 12"

Weight (Net): 1561 lb
Volume (Net): 0.42cu.yd

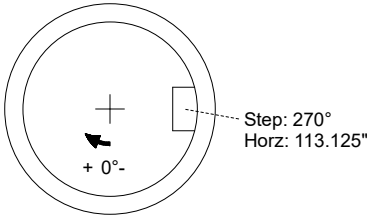
Job Name: 26-1952 - HCWD 2 Fire Station Sanitary Sewer Extension		Plant: 100	Tech: J. Horsley	
Job Location: Glendale, KY		5/20/2026 3:40:58 PM	PC: T. Ryan	
Contractor: Phillips Bros. Construction, LLC				
Structure ID: D SS-MH				
P2 MH048CN30CDARED		ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G		
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24" 1) JOINT WRAP - 0.065"x12"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 5) MH Step ML-10-TDS-NCR - 10"		0 lb 1961 lb 2911 lb 0 lb 0 lb 1440 lb 258 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 6586 lb	<u>Structure Notes:</u> . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY OTHERS (HOE MC-315 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.	
				
				
48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" - (P2)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 30"	Weight (Net): 1961 lb Volume (Net): 0.5cu.yd

Job Name: 26-1952 - HCWD 2 Fire Station Sanitary Sewer Extension		Plant: 100	Tech: J. Horsley	
Job Location: Glendale, KY Contractor: Phillips Bros. Construction, LLC		5/20/2026 3:40:56 PM	PC: T. Ryan	
Structure ID: B SS-MHD				
P3 MH048CN36CDARED		ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G		
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/DROP/ConBlock-CDA Red T/G - 60" P1) 48" - MH BASE w/DROP/ConBlock-CDA Red T/n - 48" 1) JOINT WRAP - 0.065"x12"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) CASTING - HOE MC-315 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 1) A-Lok - 0285 1) Drop Elbow - 8" PVC 1) Drop Tee - 8" PVC 12) MH Step ML-10-TDS-NCR - 10"		0 lb 202 lb 2251 lb 4192 lb 4604 lb 0 lb 0 lb 1440 lb 258 lb 0 lb 0 lb 1 lb 0 lb 0 lb 0 lb Structure Total: 12948 lb	Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-315 F/C SANITARY) 4. EXTERIOR DROP ASSEMBLY AT 189°. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
				
48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" - (P3)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 36"	Weight (Net): 2251 lb Volume (Net): 0.57cu.yd

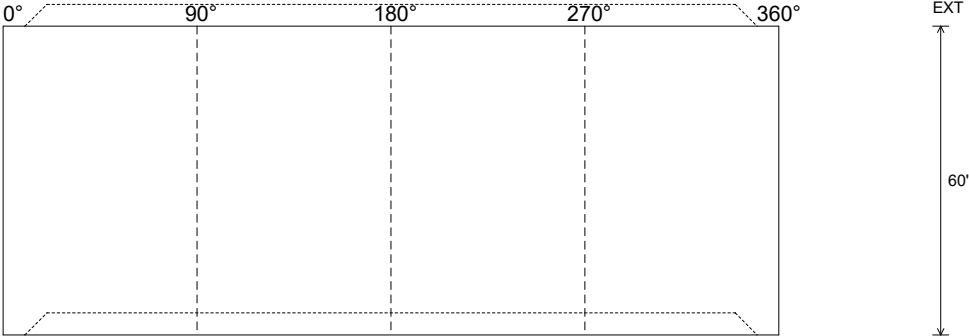
Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/26/2026 2:14:35 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301541											
P3 MH048RS60			MH RISER T/G								
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 24" P4) 48" - MH RISER T/G - 60" P3) 48" - MH RISER T/G - 60" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE (10"F) Custom Ht T/n - 62" 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 17) MH Step ML-10-TDS-NCR - 10"						0 lb 2252 lb 4192 lb 4192 lb 2204 lb 8534 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 24068 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 270 DEGREES 5. 7" CASTING SUPPLIED BY OTHERS			
Rim: 752.73' Rim to Invert: 19.01' Slack: 3.12" Sump: 3" Step Position: 270°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 60" Height (Ext): 60"	Weight (Net): 4192 lb Volume (Net): 1.07cu.yd
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Weight (Net): 5030 lb
Volume (Net): 1.28cu.yd



Weight (Net): 4192 lb
Volume (Net): 1.07cu.yd

Job Name: 26-2402 ADS UK Johnson Center

Job Location: Lexington, KY

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

6/3/2026 2:11:33 PM

Tech:

PC: T. Ryan



Structure ID: DS31

P1 MH048BA18

MH BASE T/n

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - MH FLAT TOP SPEC. HT. (6") w/24" Hole CC F/F - 6"

P3) 48" - MH RISER Custom Ht F/G - 44"

P2) 48" - MH RISER T/G - 54"

P1) 48" - MH BASE T/n - 18"

1) ASSEMBLY REQUIRED

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

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

1) CASTING - HOE MCB-375-B F/Bar Grt

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

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

1) Hole - 28

1) DOGHOUSE INVRTD - 22"x22"

0 lb

1102 lb

2600 lb

3772 lb

2588 lb

0 lb

0 lb

0 lb

250 lb

0 lb

0 lb

0 lb

0 lb

10313 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MCB-375-B F/BAR GRT).

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

5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INTERNAL INSTALLATION/DELIVERY.

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .18)

- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Structure Total:

10313 lb

Rim: 992.4'

Rim to Invert: 4'

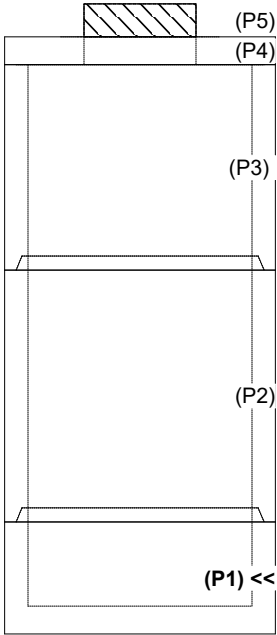
Slack: 0"

Sump: 81"

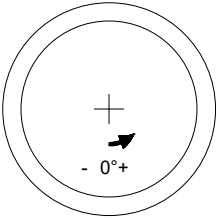
Step Position: 0°

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

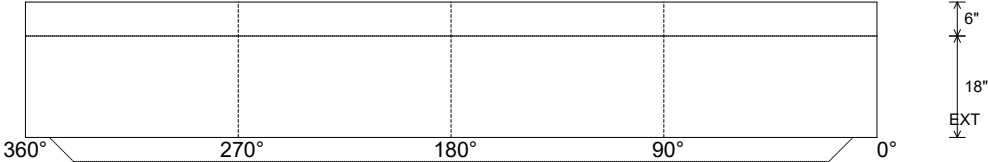
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

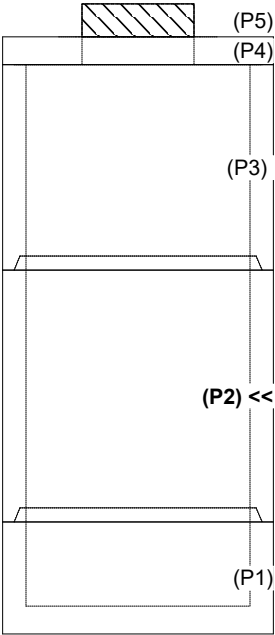
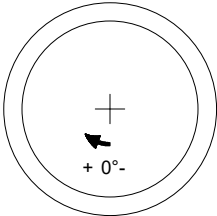
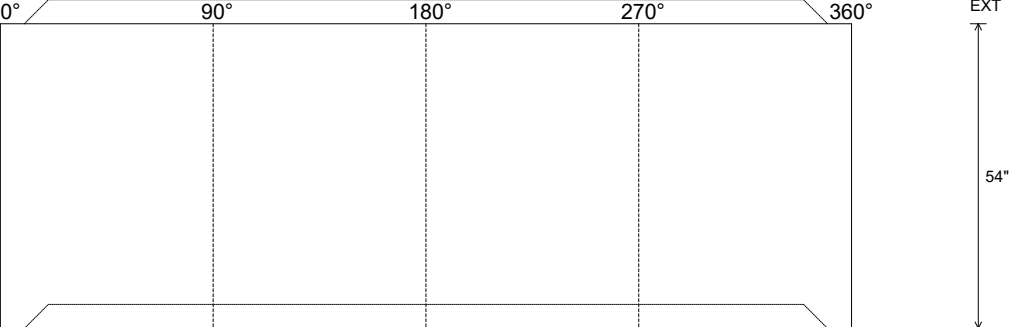
Floor Height: 6"

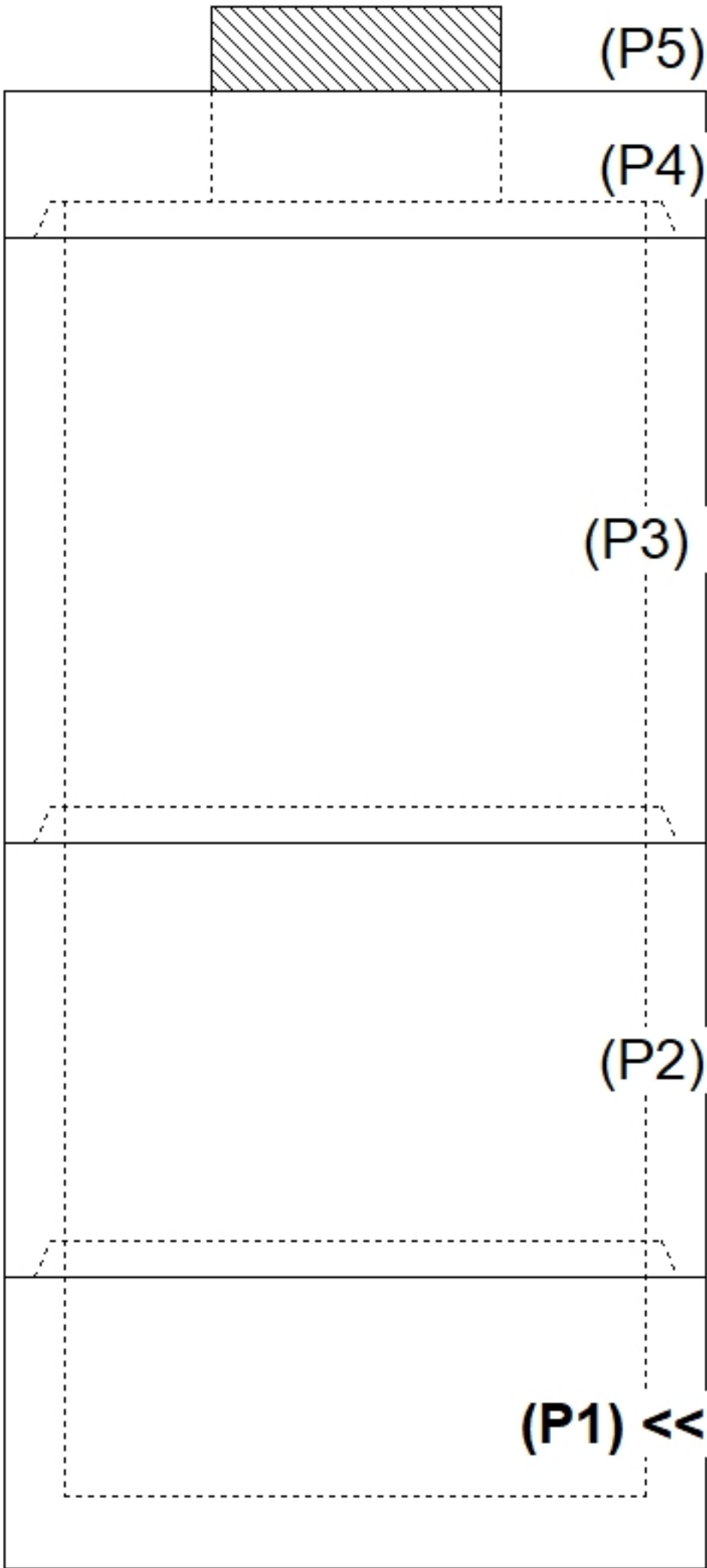
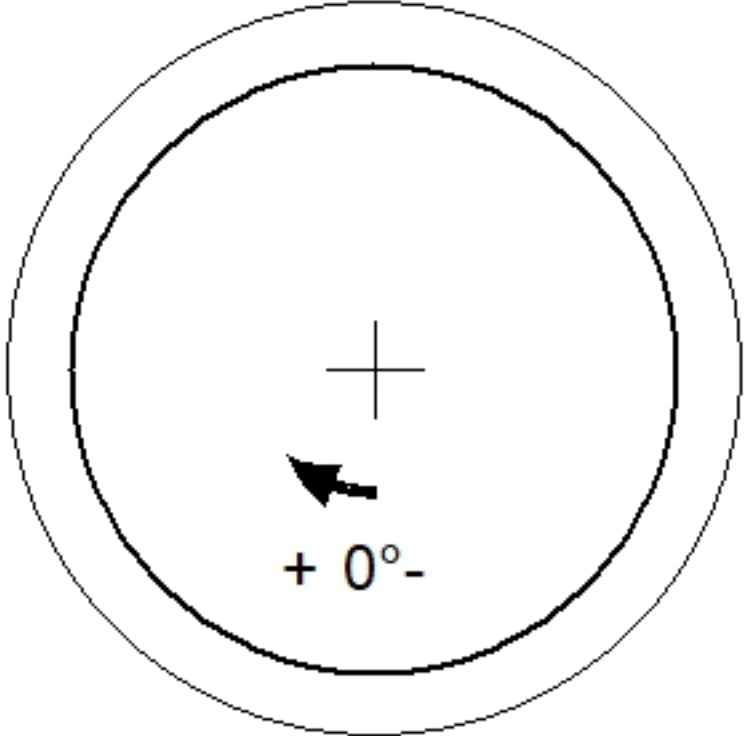
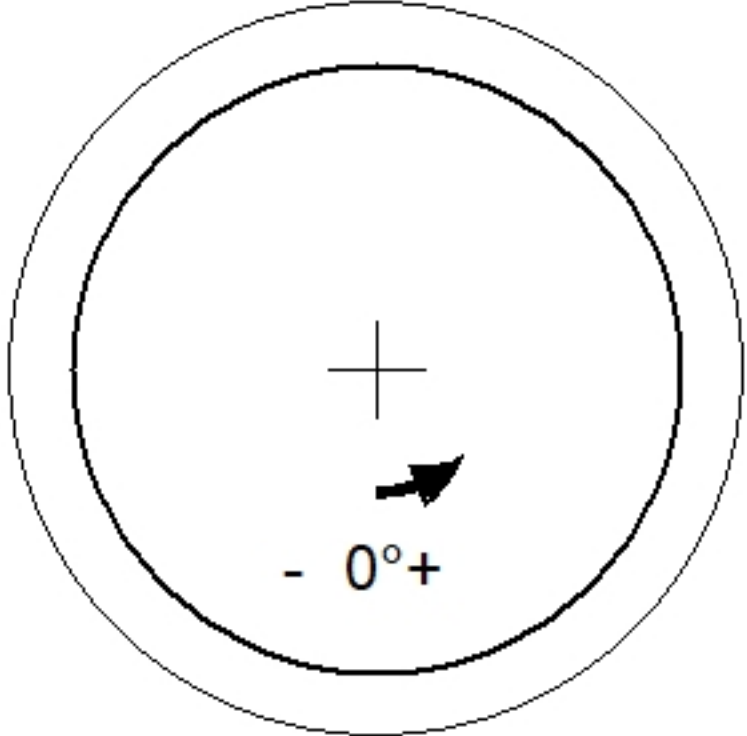
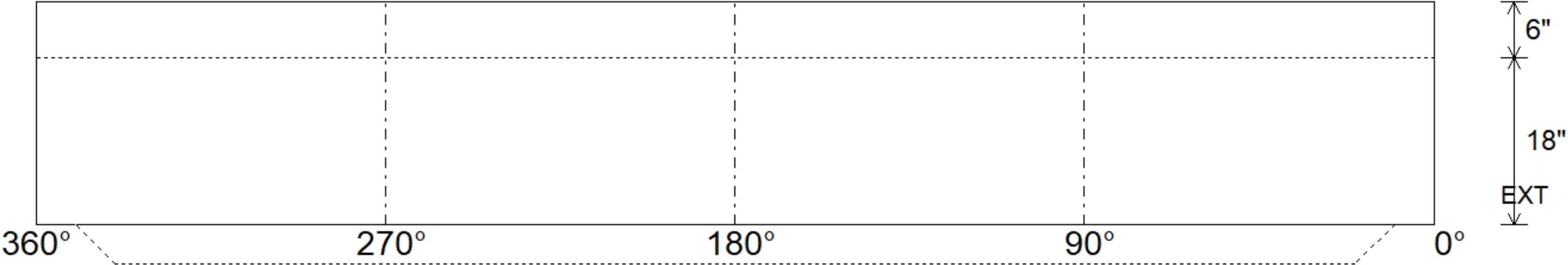
Height (Int): 18"

Height (Ext): 24"

Weight (Net): 2588 lb

Volume (Net): 0.66cu.yd

Job Name: 26-2402 ADS UK Johnson Center Job Location: Lexington, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 6/3/2026 2:12:00 PM		Tech: PC: T. Ryan				
Structure ID: DS31											
P2		MH048RS54		MH RISER T/G							
P5) 24" - CASTING HEIGHT - 7" P4) 48" - MH FLAT TOP SPEC. HT. (6") w/24" Hole CC F/F - 6" P3) 48" - MH RISER Custom Ht F/G - 44" P2) 48" - MH RISER T/G - 54" P1) 48" - MH BASE T/h - 18" 1) ASSEMBLY REQUIRED 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) CASTING - HOE MCB-375-B F/Bar Grt 3) 48" - Con seal CS-102 1.00" (Double) 1) 24" - Con seal CS-102 1.00" (Double) 1) Hole - 28 1) DOGHOUSE INVRTD - 22"x22"					0 lb 1102 lb 2600 lb 3772 lb 2588 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- 10313 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MCB-375-B F/BAR GRT). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. 5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INTERNAL INSTALLATION/DELIVERY. 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: 992.4'		Rim to Invert: 4'		Slack: 0"		Sump: 81"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):		Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 54" Height (Ext): 54"		Weight (Net): 3772 lb Volume (Net): 0.96cu.yd			

Job Name: 26-2447 ADS West Wilson Middle Job Location: Mt Juliet, TN Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 6/4/2026 9:27:15 AM		Tech: S. Felletter PC: T. Ryan									
Structure ID: QL1																
P1		MH048BA18		MH BASE T/n												
P5) 24" - CASTING HEIGHT - 7" P4) 48" - MH FLAT LID w/24" Center Hole F/G - 12" P3) 48" - MH RISER Custom Ht T/G - 50" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ASSEMBLY REQUIRED 1) CASTING - HOE MC-375 F/C Storm 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Hole - 20						0 lb 1580 lb 3222 lb 2515 lb 2588 lb 0 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 10176 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-375 F/C "STORM"). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. 5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INTERNAL INSTALLATION/DELIVERY. . 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: 553.9'		Rim to Invert: 3.55'		Slack: 0.6"		Sump: 81"		Step Position: 0°								
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset						
Invert 1																
Invert 2																
Invert 3																
Invert 4																
Invert 5																
Invert 6																
Invert 7																
Invert 8																
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)    INSIDE WALL DIMENSIONS  <table><tr><td>Coating (Int): Coating (Ext):</td><td>Seam Up: Tongue Seam Dn: n/a</td><td>Wall Thickness: 5" Floor Height: 6"</td><td>Height (Int): 18" Height (Ext): 24"</td><td>Weight (Net): 2588 lb Volume (Net): 0.66cu.yd</td></tr></table>												Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 18" Height (Ext): 24"	Weight (Net): 2588 lb Volume (Net): 0.66cu.yd
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 18" Height (Ext): 24"	Weight (Net): 2588 lb Volume (Net): 0.66cu.yd												

Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 1:01:05 PM

Tech: J. Horsley

PC: C. Golf

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: SSMH AA-4

P2 MH048RS48

MH RISER T/G

P4) 24" - CASTING HEIGHT - 7"

P3) 48" - ECC CONE w/ 24" HOLE F/G - 30"

P2) 48" - MH RISER T/G - 48"

P1) 48" - MH BASE Custom Ht T/n - 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-350 F/C Sanitary

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

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

2) PSX - 12-08 NYLO

1) PSX - 12-06 NYLO

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

0 lb

2050 lb

3353 lb

3282 lb

1440 lb

0 lb

0 lb

305 lb

0 lb

0 lb

16 lb

8 lb

0 lb

Structure Total: 10455 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE.

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: 885.59'

Rim to Invert: 9.52'

Slack: 1.24"

Sump: 2"

Step Position: 0°

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

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

0°

90°

180°

270°

360°

EXT

48"

INSIDE WALL DIMENSIONS

(P2)

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

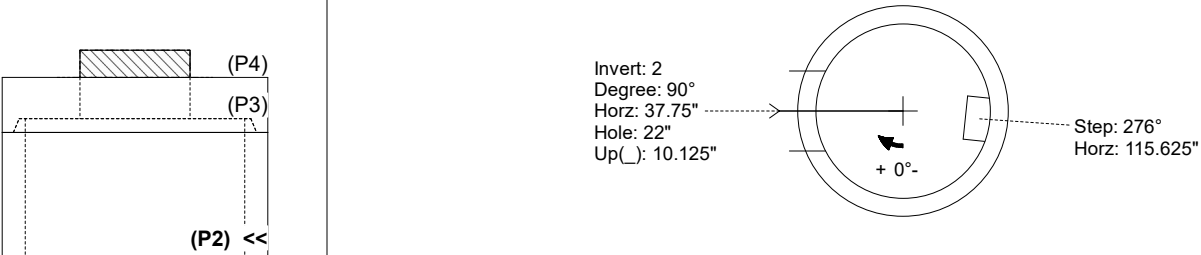
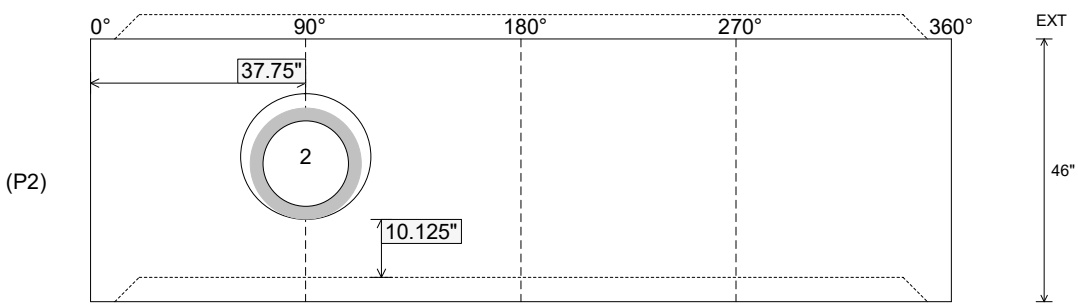
Floor Height: 0"

Height (Int): 48"

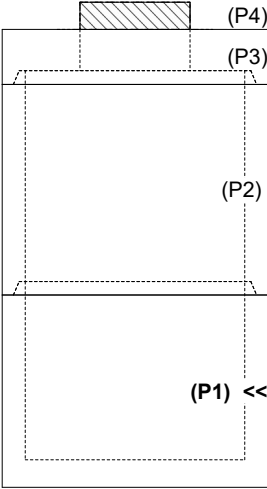
Height (Ext): 48"

Weight (Net): 3353 lb

Volume (Net): 0.86cu.yd

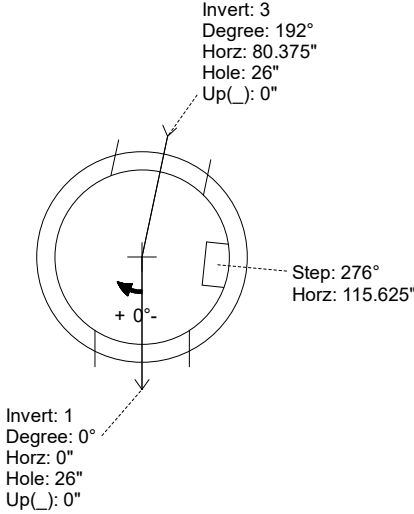
Job Name: 25-2898 - Hunter's Ridge Ph.1 Job Location: Owensboro, KY Contractor: Ernie Davis & Sons Mechanical, Inc.					Plant: 100 5/29/2026 8:45:15 AM		Tech: Jared - A PC: A. Chambers						
Structure ID: AA-6 - AE-1													
P2		MH048RSVF										MH RISER Custom Ht T/G	
P4) 24" x 36" - CASTING HEIGHT - 6" P3) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P2) 48" - MH RISER Custom Ht T/G - 46" P1) 48" - MH BASE T/n - 36" 2) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 26 1) Hole - 22 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1300 lb 3049 lb 3379 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb		<u>Structures Notes:</u> 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 276 DEGREES 5. HOE-525 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS						
Structure Total:					7728 lb								
Rim: 455.47' Rim to Invert: 8.18' Slack: 0.66" Sump: 2.5" Step Position: 276°													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2	451.47'	90°	45.5"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	10.125"	0"			
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): 46" Height (Ext): 46"		Weight (Net): 3049 lb Volume (Net): 0.78cu.yd				

Job Name: 25-2898 - Hunter's Ridge Ph.1 Job Location: Owensboro, KY Contractor: Ernie Davis & Sons Mechanical, Inc.					Plant: 100 5/29/2026 8:44:14 AM		Tech: Jared - A PC: A. Chambers				
Structure ID: AA-6 - AE-1											
P1 MH048BA36		MH BASE T/n									
P4) 24" x 36" - CASTING HEIGHT - 6" P3) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P2) 48" - MH RISER Custom Ht T/G - 46" P1) 48" - MH BASE T/n - 36" 2) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 26 1) Hole - 22 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1300 lb 3049 lb 3379 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 7728 lb		Structures Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STORM INVERT 5. STEPS AT 276 DEGREES 6. HOE-525 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS				
Rim: 455.47' Rim to Invert: 8.18' Slack: 0.66" Sump: 2.5" Step Position: 276°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	447.29'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2											
Invert 3	447.29'	192°	97.125"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)

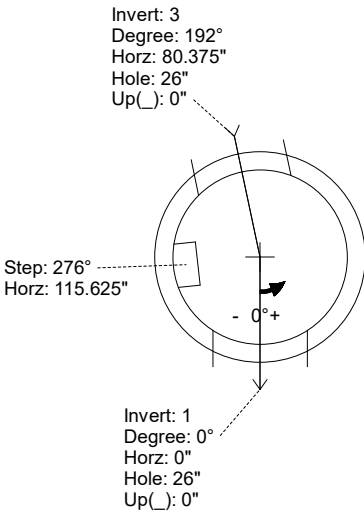


Invert: 3
Degree: 192°
Horz: 80.375"
Hole: 26"
Up(): 0"

Step: 276°
Horz: 115.625"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 26"
Up(): 0"

UPSIDE-DOWN VIEW (int. dimensions)

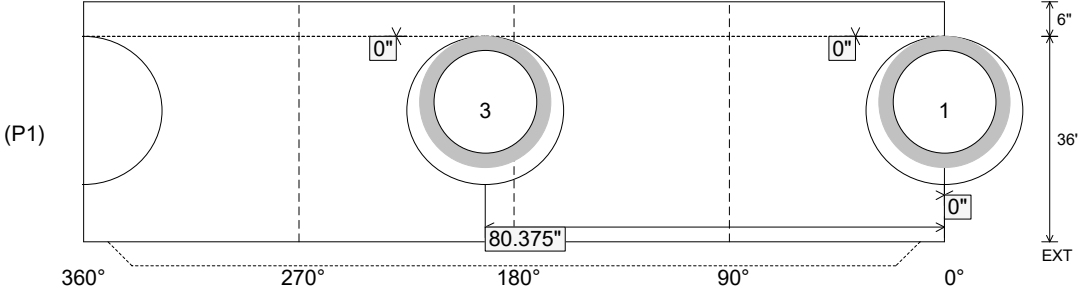


Invert: 3
Degree: 192°
Horz: 80.375"
Hole: 26"
Up(): 0"

Step: 276°
Horz: 115.625"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 26"
Up(): 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

80.375"

6"

36"

EXT

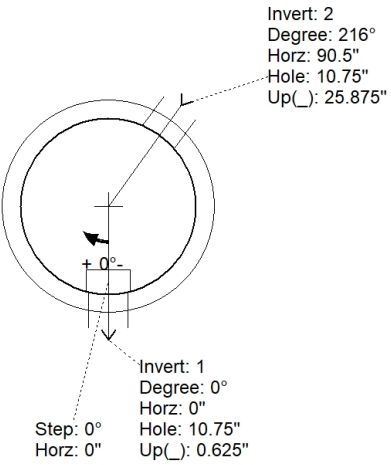
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3379 lb Volume (Net): 0.86cu.yd
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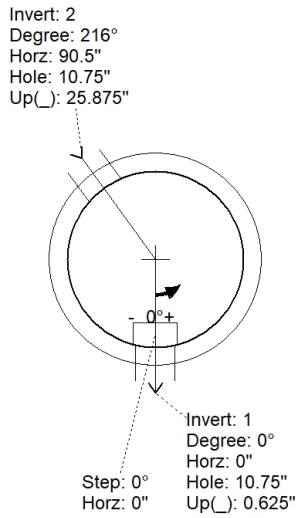
Weight (Net): 1593 lb
Volume (Net): 0.41cu.yd

Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:29 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: SSMH BB-3											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE Custom Ht T/n - 43" 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-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) Quik-Lok - QL-08-C 9) MH Step ML-10-TDS-NCR - 10"					0 lb 3000 lb 2515 lb 4257 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 2 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 876.1' Rim to Invert: 10' Slack: 0" Sump: 2" Step Position: 0°					Structure Total: 11519 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	866.1'	0°	0"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	0.625"	0"	
Invert 2	868.2'	216°	109.375"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	25.875"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

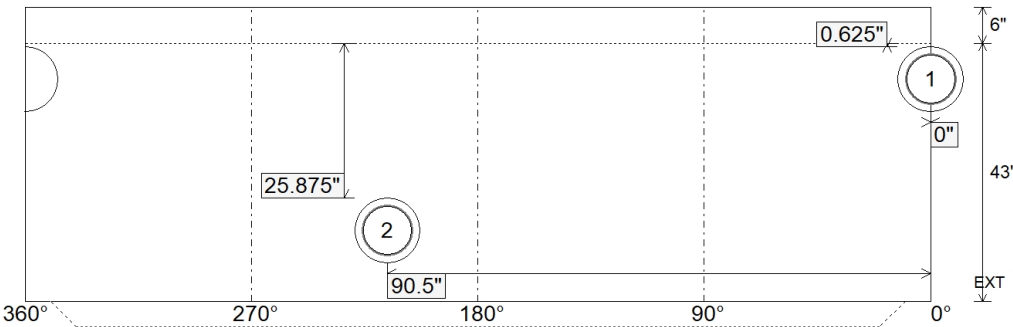
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 43" Height (Ext): 49"	Weight (Net): 4257 lb Volume (Net): 1.09cu.yd
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Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 12:59:29 PM

Tech: J. Horsley

PC: C. Golf



Structure ID: SSMH BB-3

P1A MH048BAVF

MH BASE Custom Ht T/n

P4) 24" - CASTING HEIGHT - 7"

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

P2) 48" - MH RISER T/G - 36"

P1) 48" - MH BASE Custom Ht T/n - 43"

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-350 F/C Sanitary

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

2) Quik-Lok - QL-08-C

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

0 lb

3000 lb

2515 lb

4257 lb

1440 lb

0 lb

0 lb

305 lb

0 lb

2 lb

0 lb

Structure Total: 11519 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE.

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 876.1'

Rim to Invert: 10'

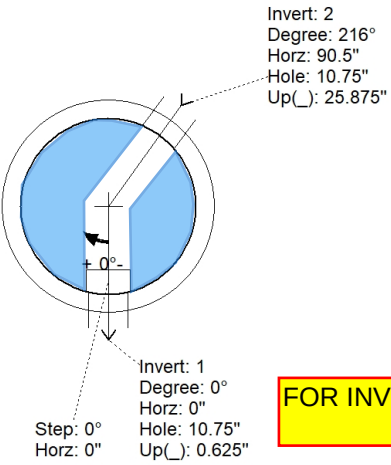
Slack: 0"

Sump: 2"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	866.1'	0°	0"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	0.625"	0"
Invert 2	868.2'	216°	109.375"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	25.875"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

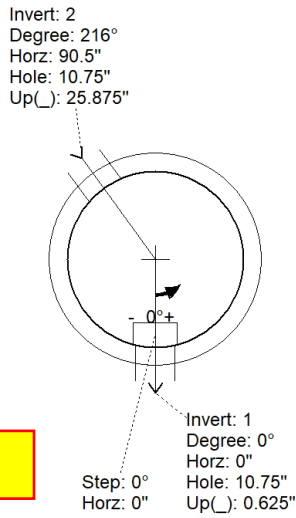


Invert: 2
Degree: 216°
Horz: 90.5"
Hole: 10.75"
Up(): 25.875"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 10.75"
Up(): 0.625"

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)



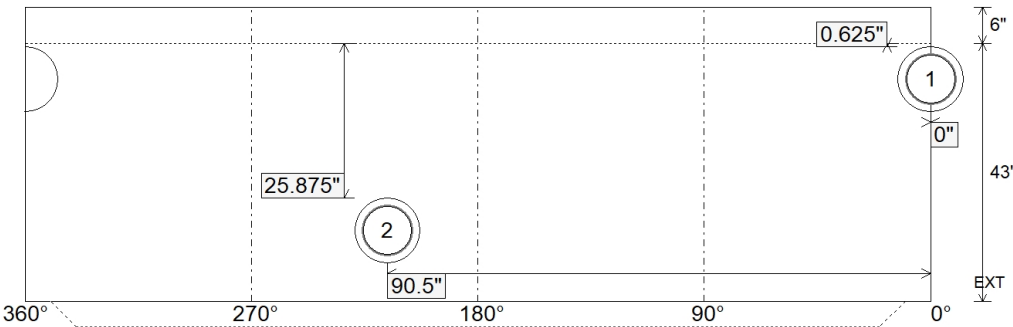
Invert: 2
Degree: 216°
Horz: 90.5"
Hole: 10.75"
Up(): 25.875"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 10.75"
Up(): 0.625"

Step: 0°
Horz: 0"

FOR INVERT ONLY

INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

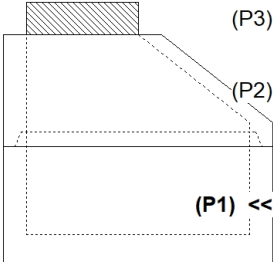
Height (Int): 43"

Height (Ext): 49"

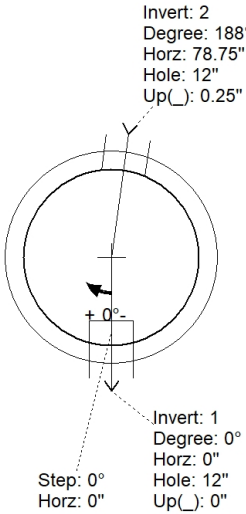
Weight (Net): 4257 lb

Volume (Net): 1.09cu.yd

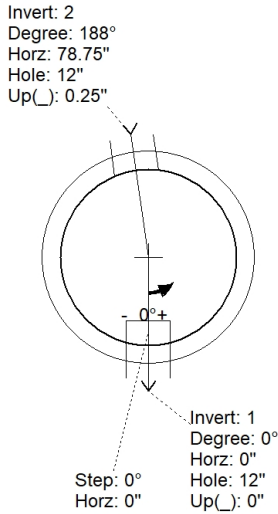
Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:31 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: SSMH CC-4											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 24" P1) 48" - MH BASE Custom Ht T/n - 19" 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-350 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 3) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 2562 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 8 lb 8 lb 0 lb ----- Structure Total: 5873 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. 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: 890.95' Rim to Invert: 4' Slack: 0" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	886.95'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	887.05'	188°	95.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



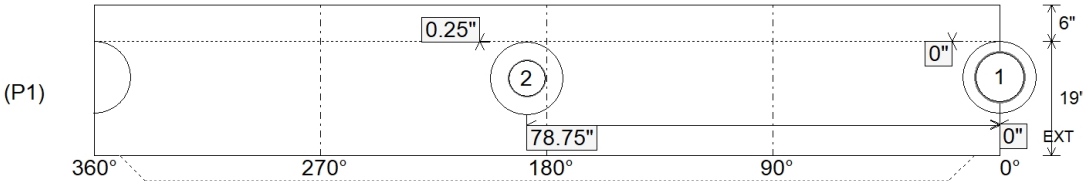
RIGHT-SIDE UP VIEW (int. dimensions)



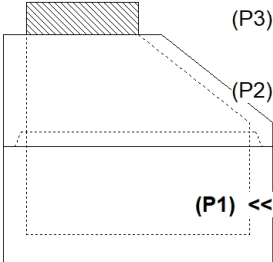
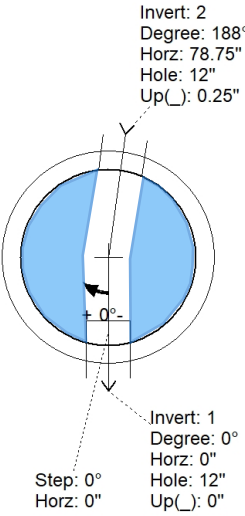
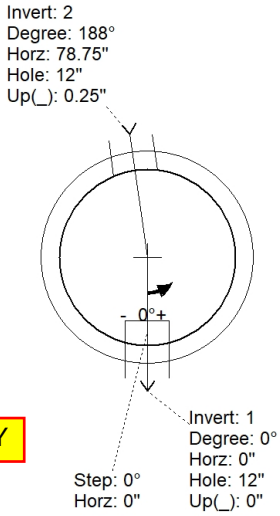
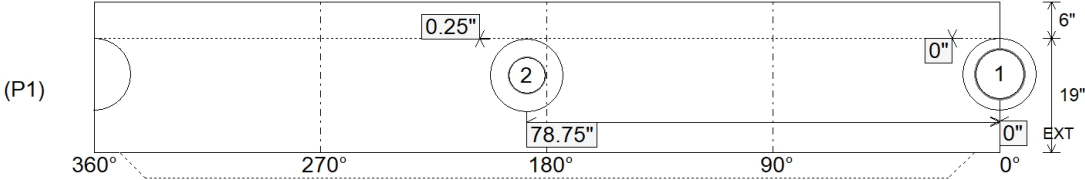
UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 19" Height (Ext): 25"	Weight (Net): 2562 lb Volume (Net): 0.65cu.yd
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Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:31 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: SSMH CC-4											
P1A MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 24" P1) 48" - MH BASE Custom Ht T/n - 19" 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-350 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 3) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 2562 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 8 lb 8 lb 0 lb ----- Structure Total: 5873 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. 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: 890.95' Rim to Invert: 4' Slack: 0" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	886.95'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	887.05'	188°	95.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimensions)											
											
FOR INVERT ONLY											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 19" Height (Ext): 25"		Weight (Net): 2562 lb Volume (Net): 0.65cu.yd		

Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:29 PM		Tech: J. Horsley PC: C. Golf			
Structure ID: SSMH BB-2-DROP										
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 - 30" P2) 48" - MH RISER w/DROP T/G - 60" P1) 48" - MH BASE w/DROP Custom Ht T/n - 20" 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-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 10) MH Step ML-10-TDS-NCR - 10"					0 lb 2050 lb 4168 lb 3774 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 8 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 11745 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. 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: 862.85' Rim to Invert: 9.65' Slack: 0.8" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	853.2'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3	853.3'	180°	91.125"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	3"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 20" Height (Ext): 26"	Weight (Net): 3774 lb Volume (Net): 0.96cu.yd
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Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100		Tech: J. Horsley			
					5/19/2026 12:59:29 PM		PC: C. Golf			
Structure ID: SSMH BB-2-DROP										
P1A MH048BAVF-D			MH BASE w/DROP Custom Ht T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER w/DROP T/G - 60" P1) 48" - MH BASE w/DROP Custom Ht T/n - 20" 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-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 10) MH Step ML-10-TDS-NCR - 10"					0 lb 2050 lb 4168 lb 3774 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 8 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Structure Total:					11745 lb					
Rim: 862.85'		Rim to Invert: 9.65'		Slack: 0.8"		Sump: 2"		Step Position: 0°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	853.2'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3	853.3'	180°	91.125"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	3"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 20" Height (Ext): 26"	Weight (Net): 3774 lb Volume (Net): 0.96cu.yd
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Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:28 PM		Tech: J. Horsley PC: C. Golf			
Structure ID: SSMH BB-1-DROP										
P1 MH048BAVF-D			MH BASE w/DROP Custom Ht T/n							
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC CONE w/ 24" HOLE F/G - 42" P3) 48" - MH RISER w/DROP T/G - 48" P2) 48" - MH RISER w/DROP T/G - 48" P1) 48" - MH BASE w/DROP Custom Ht T/n - 25" 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-350 F/C Sanitary 3) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 14) MH Step ML-10-TDS-NCR - 10"					0 lb 3200 lb 3329 lb 3353 lb 4291 lb 1440 lb 0 lb 0 lb 0 lb 305 lb 0 lb 16 lb 0 lb 0 lb 0 lb ----- Structure Total: 15935 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. 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: 858' Rim to Invert: 14.02' Slack: 0.24" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	843.98'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	844.08'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4	844.08'	232°	117.375"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	3"	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): 25" Height (Ext): 31"	Weight (Net): 4291 lb Volume (Net): 1.1cu.yd
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Job Name: 23-2404 Hampton Hills (Phase 1)
 Job Location: Richmond, KY
 Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 12:59:28 PM

Tech: J. Horsley

PC: C. Golf



Structure ID: SSMH BB-1-DROP

P1 MH048BAVF-D

MH BASE w/DROP Custom Ht T/n

- P5) 24" - CASTING HEIGHT - 7"
 P4) 48" - ECC CONE w/ 24" HOLE F/G - 42"
 P3) 48" - MH RISER w/DROP T/G - 48"
 P2) 48" - MH RISER w/DROP T/G - 48"
 P1) 48" - MH BASE w/DROP Custom Ht T/n - 25"
 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-350 F/C Sanitary
 3) 48" - Conseal CS-102 1.00" (Double)
 2) PSX - 12-08 NYLO
 1) Drop Tee - 8" PVC
 1) Drop Elbow - 8" PVC
 14) MH Step ML-10-TDS-NCR - 10"

0 lb
 3200 lb
 3329 lb
 3353 lb
 4291 lb
 1440 lb
 0 lb
 0 lb
 305 lb
 0 lb
 16 lb
 0 lb
 0 lb
 0 lb

Structure Total: 15935 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE.

REINFORCING PER ASTM A615 (GRADE 60).

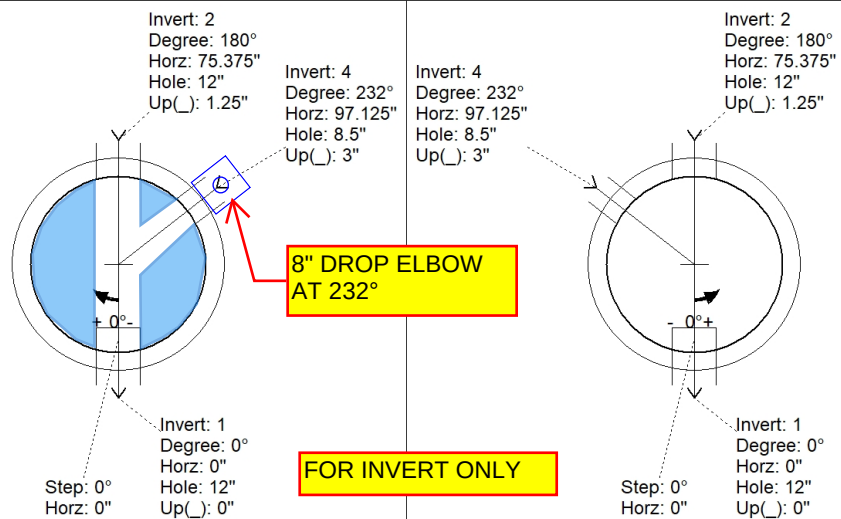
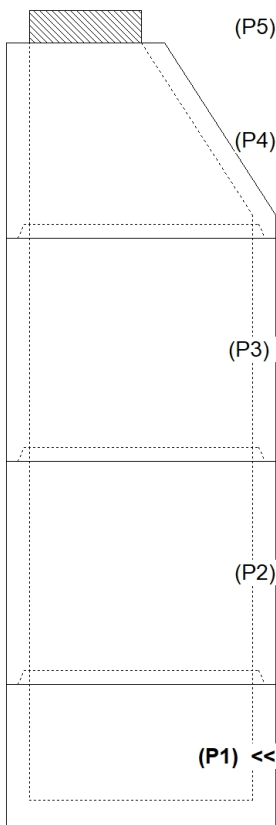
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 858' Rim to Invert: 14.02' Slack: 0.24" Sump: 2" Step Position: 0°

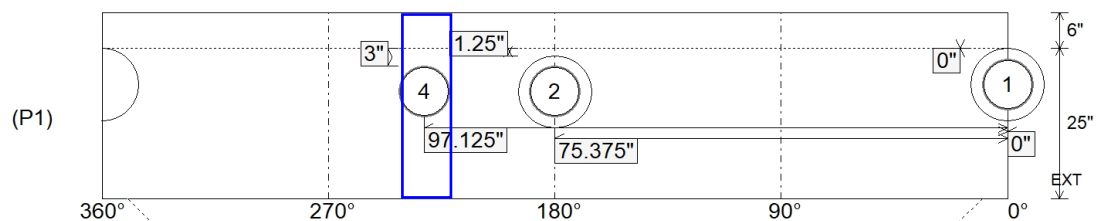
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	843.98'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	844.08'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4	844.08'	232°	117.375"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	3"	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): 25"
 Height (Ext): 31"

Weight (Net): 4291 lb
 Volume (Net): 1.1cu.yd

Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100		Tech: J. Horsley			
					5/19/2026 12:59:26 PM		PC: C. Golf			
Structure ID: SSMH AA-4										
P1 MH048BA30			MH BASE Custom Ht T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE Custom Ht T/n - 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-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 9) MH Step ML-10-TDS-NCR - 10"					0 lb 2050 lb 3353 lb 3282 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 0 lb 16 lb 8 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Structure Total:					10455 lb					
Rim: 885.59'		Rim to Invert: 9.52'		Slack: 1.24"		Sump: 2"		Step Position: 0°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	876.07'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	876.17'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3	876.17'	180°	91.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	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): 30" Height (Ext): 36"	Weight (Net): 3282 lb Volume (Net): 0.84cu.yd
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Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100		Tech: J. Horsley			
					5/19/2026 12:59:26 PM		PC: C. Golf			
Structure ID: SSMH AA-4										
P1A MH048BA30			MH BASE Custom Ht T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE Custom Ht T/n - 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-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 9) MH Step ML-10-TDS-NCR - 10"					0 lb 2050 lb 3353 lb 3282 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 0 lb 16 lb 8 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Structure Total:					10455 lb					
Rim: 885.59'		Rim to Invert: 9.52'		Slack: 1.24"		Sump: 2"		Step Position: 0°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	876.07'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	876.17'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3	876.17'	180°	91.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	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): 30"
 Height (Ext): 36"

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

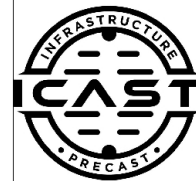
Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100		Tech: J. Horsley			
					5/19/2026 12:59:26 PM		PC: C. Golf			
Structure ID: SSMH AA-2										
P1 MH048BAVF			MH BASE Custom Ht T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 24" P1) 48" - MH BASE Custom Ht T/n - 43.5" 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-350 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) Quik-Lok - QL-08-C 5) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 4283 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 8 lb 1 lb 0 lb ----- Structure Total: 7587 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. 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: 859.25' Rim to Invert: 6.08' Slack: 0.46" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	853.17'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	855.17'	165°	83.5"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	24.625"	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): 43.5" Height (Ext): 49.5"	Weight (Net): 4283 lb Volume (Net): 1.09cu.yd
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Weight (Net): 4283 lb
Volume (Net): 1.09cu.yd

Job Name: 25-4488 - WVDOT Wood Co NHPP-0068(192) Job Location: Parkersburg, WV Contractor: Triton Construction					Plant: 100		Tech: Jared - F			
					3/26/2026 1:41:41 PM		PC: E. Bradley			
Structure ID: MH-03										
P1 MH048BAVF		MH BASE Custom Ht T/n								
P3) 24" - CASTING HEIGHT - 8.85" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE Custom Ht T/n - 41" 1) CASTING - NEENAH R-1785 (F/C) 1) 48" - Conseal CS-102 1.00" 2) Hole - 24 6) MH Step ML-10-TDS-NCR - 10"					0 lb 3000 lb 3800 lb 294 lb 0 lb 0 lb 0 lb ----- Structure Total: 7094 lb		Structure Notes: **WVDOT STATE PROJECT** 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. INVERT CHANNEL (BY OTHERS). 4. CASTING BY I-CAST (NEENAH R-1785 (F/C)). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 601.93' Rim to Invert: 7.2' Slack: 0.55" Sump: 0" Step Position: 270										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	594.73'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.625"	0"
Invert 2	594.83'	174°	88.125"	18" HDPE	21.2"	Hole 24	24"	25.133"	-0.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 41" Height (Ext): 47"	Weight (Net): 3800 lb Volume (Net): 0.97cu.yd
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Job Name: 25-4508 - Georgetown Commons Target
Job Location: Georgetown, KY
Contractor: Winwater Hartford KY Co.

Plant: 100

5/28/2026 11:26:54 AM

Tech: Jared - F

PC: A. Chambers



Structure ID: 11 (14)

P2 MH060LD13-24X36RECT

MH FLAT TOP w/24"x36" Hole F/G

P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 60" - MH FLAT TOP w/24"x36" Hole F/G - 13"
P1) 60" - MH BASE Custom Ht T/n - 61"
1) CASTING - HOE 470 SET LV (F/G/H)
1) 60" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 38
1) Hole - 10

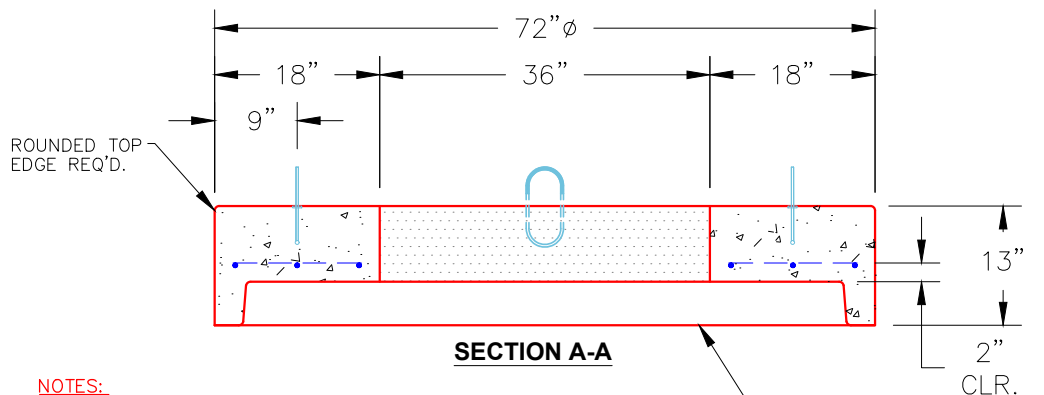
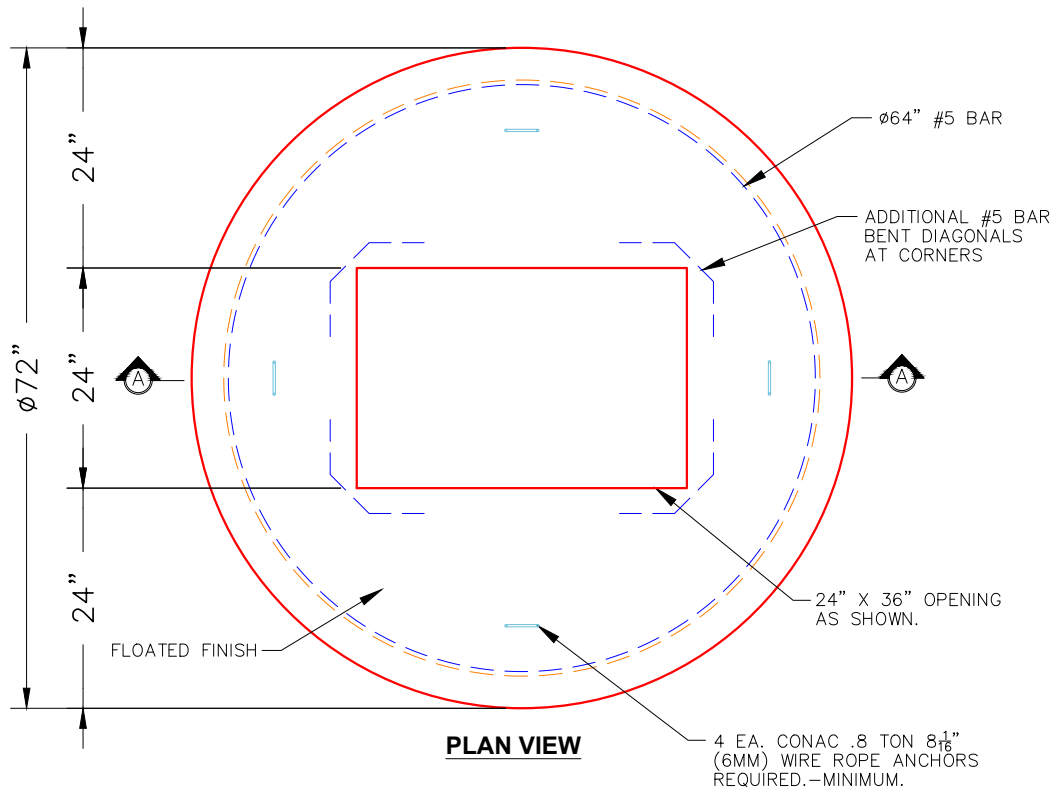
0 lb
3499 lb
7842 lb
394 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 11734 lb

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 (HOE 470 SET LV (F/G/H)).

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.



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).

STANDARD SINGLE OFFSET
GROOVE JOINT REQUIRED

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 3499 lb
Volume (Net): 0.89cu.yd

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2

Job Location: Danville, KY

Contractor: Hubert Excavating & Contracting

Plant: 100

6/3/2026 1:48:09 PM

Tech: J. Horsley

PC: C. Goff



Structure ID: MH A8

P1 MH060BAEVF

MH BASE w/FLANGE (08F/07EF) w/Coating T/n

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - ECC CONE w/ 24" HOLE, w/Coating F/G - 42"

P3) 48" - MH RISER w/COATING T/G - 72"

P2) 60" - MH Trans. Slab - 48" Hole ECC, w/Coating T/G - 13"

P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 70"

1) JOINT WRAP - 12" WD x 060" MAC WRAP

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

1) SPECIAL EXTERNAL COATING - Carboline 300M

1) SECONDARY POUR - Extended Flange

2) JOINT WRAP - 12" WD x 048" MAC WRAP

1) 60" - Conseal CS-102 1.00" (Double)

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

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

2) A-Lok - 1040

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

308.6 SqFt) Carboline Bitumastic 300M [EXT]

0 lb

3116 lb

5030 lb

1928 lb

10274 lb

0 lb

2692 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

2 lb

0 lb

0 lb

Structure Total: 23043 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. INVERT CHANNEL REQUIRED

5. CARBOLINE 300M EXTERIOR COATING REQUIRED

6. STEPS AT 260 DEGREES

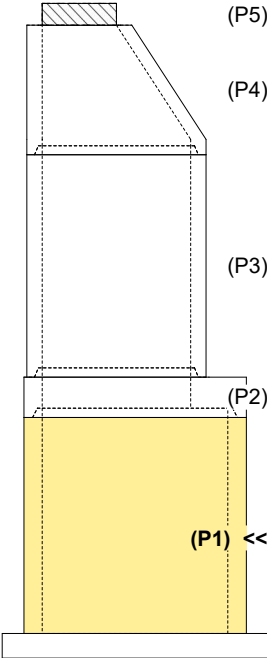
7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS

FIRST POUR (BASE): 8,924 LBS

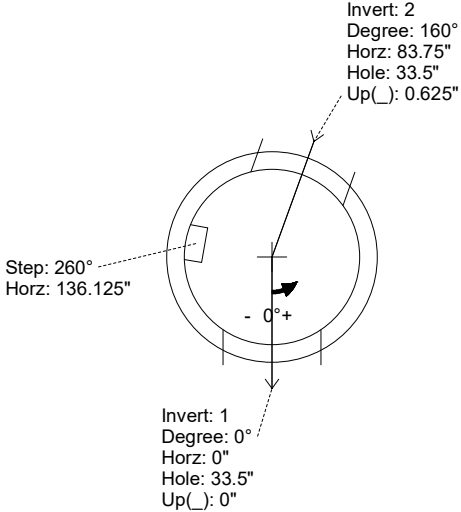
SECOND POUR (FLANGE): 1,350 LBS

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	888.015'	0°	0"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0"	0"
Invert 2	888.065'	160°	100.5"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0.625"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

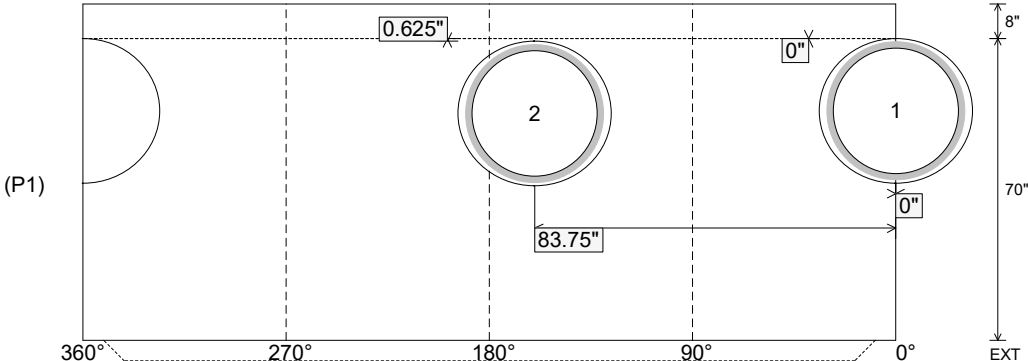
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



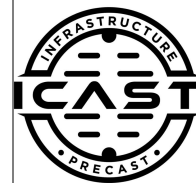
Coating (Int): Coating (Ext): Carboline Bitumastic 300M

Seam Up: Tongue Seam Dn: n/a

Wall Thickness: 6" Floor Height: 8"

Height (Int): 70" Height (Ext): 78"

Weight (Net): 10274 lb Volume (Net): 2.62cu.yd



Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 70" Height (Ext): 78"	Weight (Net): 10274 lb Volume (Net): 2.62cu.yd
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Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2

Job Location: Danville, KY

Contractor: Hubert Excavating & Contracting

Plant: 100

6/3/2026 1:48:09 PM

Tech: J. Horsley

PC: C. Goff



Structure ID: MH A8

P1 MH060BAEVF

MH BASE w/FLANGE (08F/07EF) w/Coating T/n

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - ECC CONE w/ 24" HOLE, w/Coating F/G - 42"

P3) 48" - MH RISER w/COATING T/G - 72"

P2) 60" - MH Trans. Slab - 48" Hole ECC, w/Coating T/G - 13"

P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 70"

1) JOINT WRAP - 12" WD x 060" MAC WRAP

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

1) SPECIAL EXTERNAL COATING - Carboline 300M

1) SECONDARY POUR - Extended Flange

2) JOINT WRAP - 12" WD x 048" MAC WRAP

1) 60" - Conseal CS-102 1.00" (Double)

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

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

2) A-Lok - 1040

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

308.6 SqFt) Carboline Bitumastic 300M [EXT]

0 lb

3116 lb

5030 lb

1928 lb

10274 lb

0 lb

2692 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

2 lb

0 lb

0 lb

Structure Total: 23043 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. INVERT CHANNEL REQUIRED

5. CARBOLINE 300M EXTERIOR COATING REQUIRED

6. STEPS AT 260 DEGREES

7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS

Rim: 905'

Rim to Invert: 16.985'

Slack: 2.035"

Sump: 2.215"

Step Position: 260°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	888.015'	0°	0"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0"	0"
Invert 2	888.065'	160°	100.5"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0.625"	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: 160°

Horz: 83.75"

Hole: 33.5"

Up(): 0.625"

Step: 260°

Horz: 136.125"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 33.5"

Up(): 0"

+ 0°-

UPSIDE-DOWN VIEW (int. dimenions)

INVERT CHANNEL

DRAWING

INSIDE WALL DIMENSIONS

0.625"

0"

83.75"

0"

360°

270°

180°

90°

0°

8"

70"

EXT

Coating (Int):

Coating (Ext): Carboline Bitumastic 300M

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 8"

Height (Int): 70"

Height (Ext): 78"

Weight (Net): 10274 lb

Volume (Net): 2.62cu.yd

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

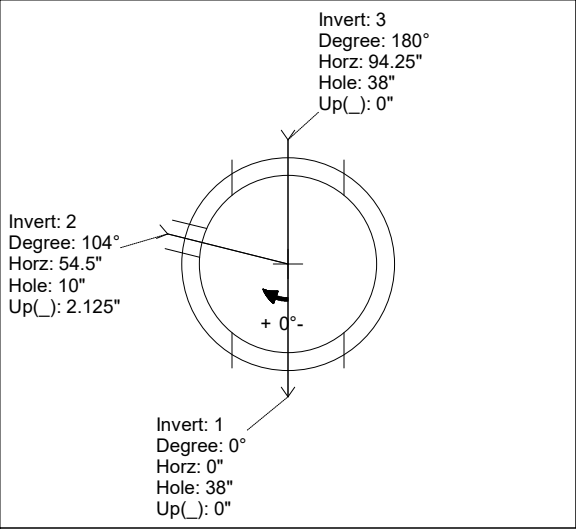
MH A8

Note:

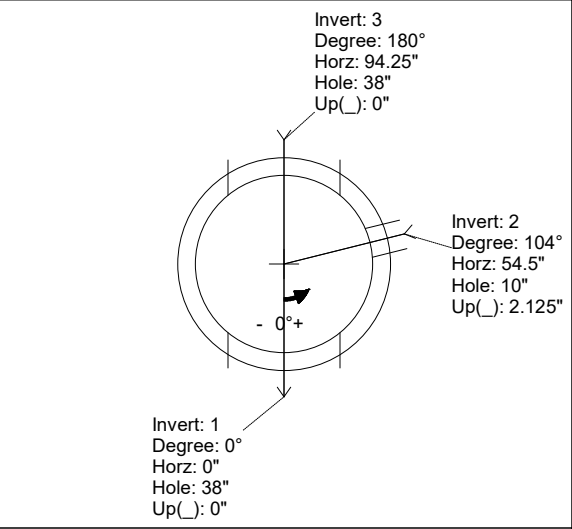
This Structure Is To Receive An
External Coating of Carboline 300M
(Supplied By iCast)

Job Name: 25-4508 - Georgetown Commons Target Job Location: Georgetown, KY Contractor: Winwater Hartford KY Co.					Plant: 100 5/28/2026 11:25:32 AM		Tech: Jared - F PC: A. Chambers			
Structure ID: 11 (14)										
P1 MH060BAVF		MH BASE Custom Ht T/n								
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 60" - MH FLAT TOP w/24"x36" Hole F/G - 13" P1) 60" - MH BASE Custom Ht T/n - 61" 1) CASTING - HOE 470 SET LV (F/G/H) 1) 60" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 38 1) Hole - 10					0 lb 3499 lb 7842 lb 394 lb 0 lb 0 lb 0 lb 0 lb 0 lb 11734 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 (HOE 470 SET LV (F/G/H)). 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: 871' Rim to Invert: 6.5' Slack: 0.55' Sump: 2.55' Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	864.5'	0°	0"	30" HDPE	35.1"	Hole 38	38"	41.151"	0"	0"
Invert 2	864.5'	104°	65.375"	6" HDPE	6.9"	Hole 10	10"	10.047"	2.125"	0"
Invert 3	864.5'	180°	113.125"	30" HDPE	35.1"	Hole 38	38"	41.151"	0"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

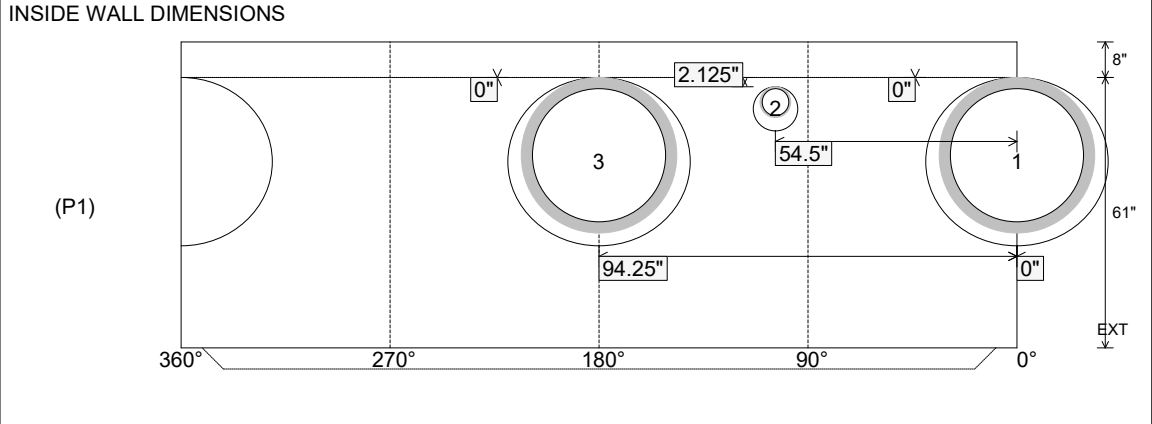
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 61" Height (Ext): 69"	Weight (Net): 7842 lb Volume (Net): 2cu.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 1:21:13 PM		Tech: J. Horsley - A PC: Celina Goff			
Structure ID: 2301535										
P1 MH060BAVF			MH BASE Custom Ht T/n							
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 36" P3) 48" - MH RISER T/G - 48" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 67" 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 8373 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- Structure Total: 18877 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 103 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 745.18' Rim to Invert: 14.42' Slack: 3.04" Sump: 3" Step Position: 103°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	730.76'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	730.86'	206°	129.375"	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): 67" Height (Ext): 75"	Weight (Net): 8373 lb Volume (Net): 2.14cu.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 1:21:13 PM

Tech: J. Horsley - A

PC: Celina Goff

Structure ID: 2301535

P1 MH060BAVF

MH BASE Custom Ht T/n

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - CON CONE w/24" HOLE F/G - 36"

P3) 48" - MH RISER T/G - 48"

P2) 60" - MH Transition Slab 48" Hole T/G - 15"

P1) 60" - MH BASE Custom Ht T/n - 67"

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

8373 lb

2692 lb

0 lb

0 lb

2 lb

0 lb

Structure Total: 18877 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 103 DEGREES

6. 7" CASTING SUPPLIED BY OTHERS

Rim: 745.18' Rim to Invert: 14.42' Slack: 3.04" Sump: 3" Step Position: 103°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	730.76'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	730.86'	206°	129.375"	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)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

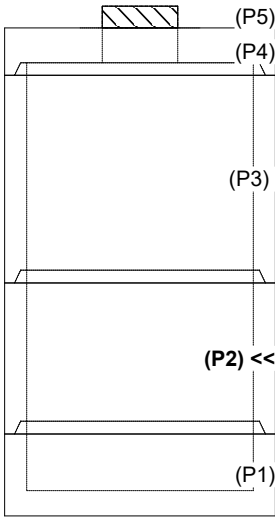
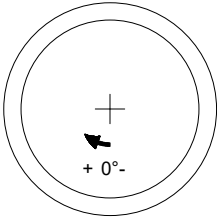
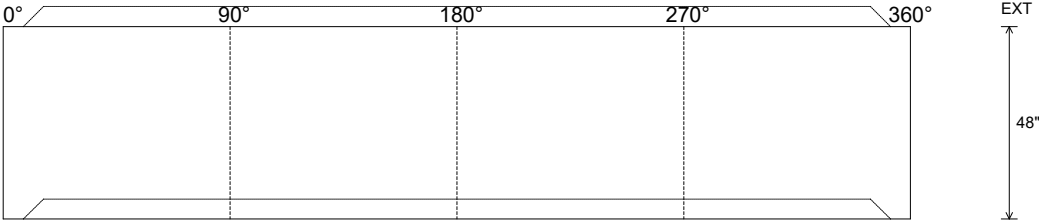
Floor Height: 8"

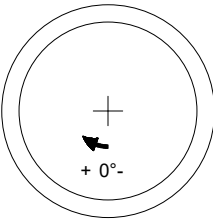
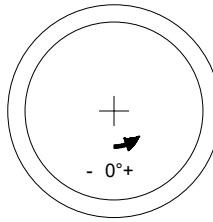
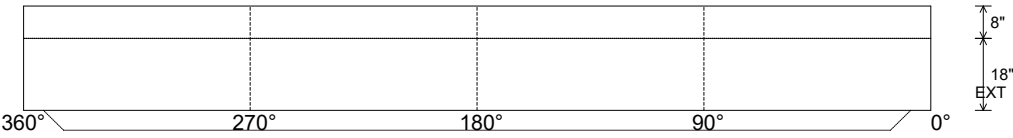
Height (Int): 67"

Height (Ext): 75"

Weight (Net): 8373 lb

Volume (Net): 2.14cu.yd

Job Name: 26-2402 ADS UK Johnson Center Job Location: Lexington, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 6/3/2026 2:11:59 PM		Tech: PC: T. Ryan				
Structure ID: DS24											
P2		MH072RS48		MH RISER T/G							
P5) 24" - CASTING HEIGHT - 7" P4) 72" - MH FLAT LID w/24" CC Hole F/G - 15" P3) 72" - MH RISER T/G - 66" P2) 72" - MH RISER T/G - 48" P1) 72" - MH BASE T/h - 18" 1) ASSEMBLY REQUIRED 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) CASTING - HOE MCB-375-B F/Bar Grt 3) 72" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Hole - 28 1) Hole - 16					0 lb 5097 lb 8763 lb 6997 lb 6523 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 27631 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MCB-375-B F/BAR GRT). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. 5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INTERNAL INSTALLATION/DELIVERY. 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: 992.51'		Rim to Invert: 6.23'		Slack: 0.32"		Sump: 79.56"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):		Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 7" Floor Height: 0"		Height (Int): 48" Height (Ext): 48"		Weight (Net): 6997 lb Volume (Net): 1.79cu.yd			

Job Name: 26-2402 ADS UK Johnson Center Job Location: Lexington, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 6/3/2026 2:11:32 PM		Tech: PC: T. Ryan				
Structure ID: DS24											
P1 MH072BA18			MH BASE T/n								
P5) 24" - CASTING HEIGHT - 7" P4) 72" - MH FLAT LID w/24" CC Hole F/G - 15" P3) 72" - MH RISER T/G - 66" P2) 72" - MH RISER T/G - 48" P1) 72" - MH BASE T/n - 18" 1) ASSEMBLY REQUIRED 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) CASTING - HOE MCB-375-B F/Bar Grt 3) 72" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Hole - 28 1) Hole - 16					0 lb 5097 lb 8763 lb 6997 lb 6523 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- 27631 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MCB-375-B F/BAR GRT). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. 5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INTERNAL INSTALLATION/DELIVERY. 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: 992.51'		Rim to Invert: 6.23'		Slack: 0.32"		Sump: 79.56"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions)  INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 7" Floor Height: 8"		Height (Int): 18" Height (Ext): 26"		Weight (Net): 6523 lb Volume (Net): 1.67cu.yd		

Job Name: 25-4508 - Georgetown Commons Target
Job Location: Georgetown, KY
Contractor: Winwater Hartford KY Co.

Plant: 100

5/28/2026 11:26:55 AM

Tech: Jared - F

PC: A. Chambers



Structure ID: 13

P2 MH072LD15-24X36RECT

MH FLAT TOP w/24"x36" Hole F/G

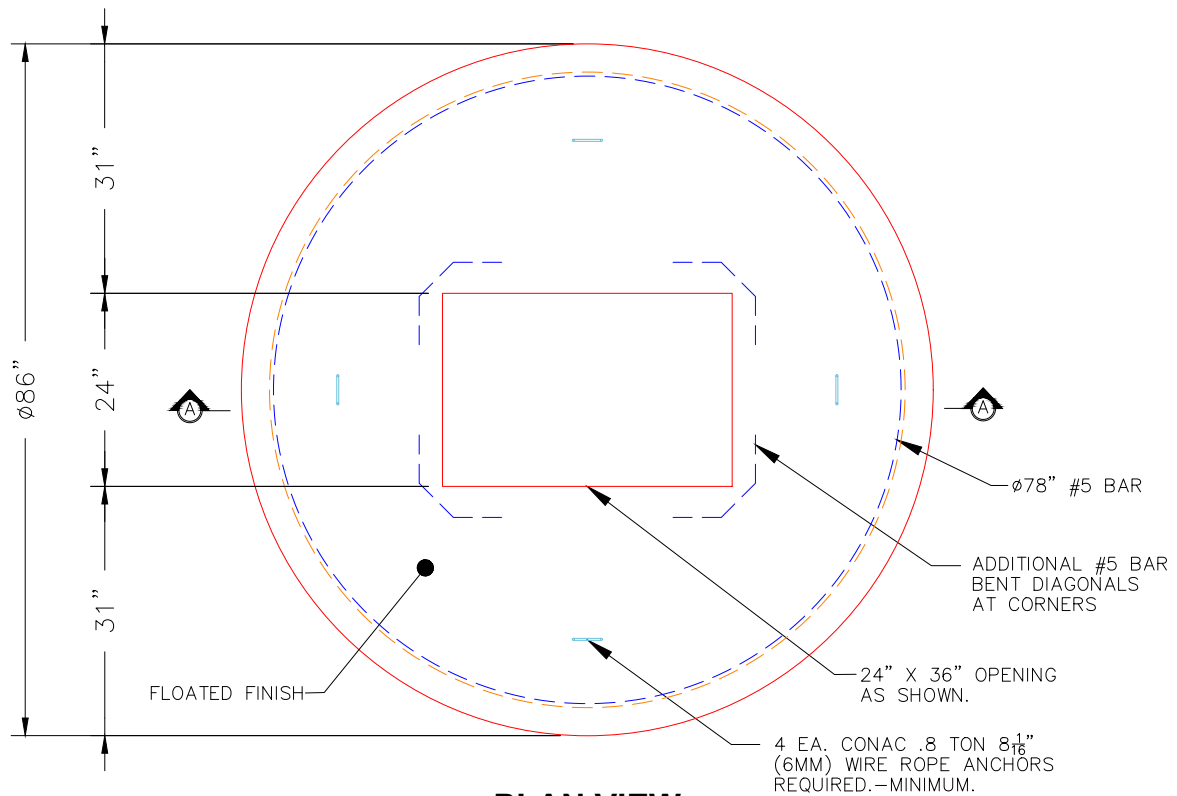
- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 72" - MH FLAT TOP w/24"x36" Hole F/G - 15"
P1) 72" - MH BASE Custom Ht T/n - 67"
1) CASTING - HOE 470 SET LV (F/G/H)
1) 72" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 30
1) Hole - 20
2) Hole - 38

0 lb
4530 lb
11662 lb
394 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 16586 lb

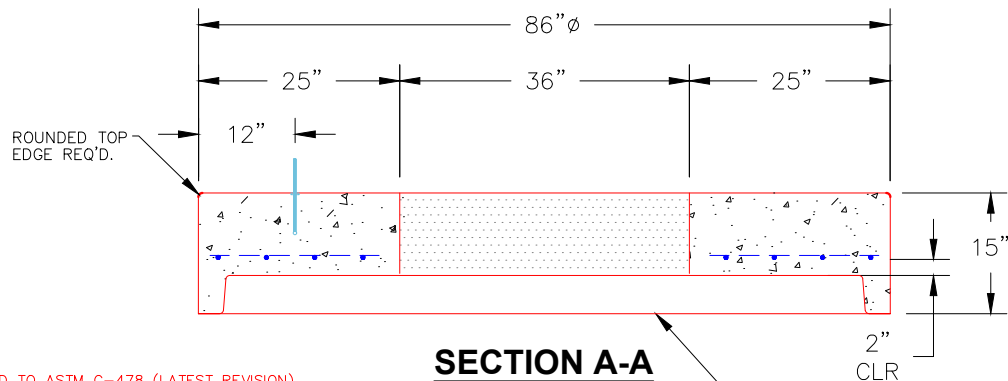
Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 470 SET LV (F/G/H)).

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.



PLAN VIEW



SECTION A-A

NOTES:

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

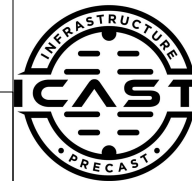
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 7"

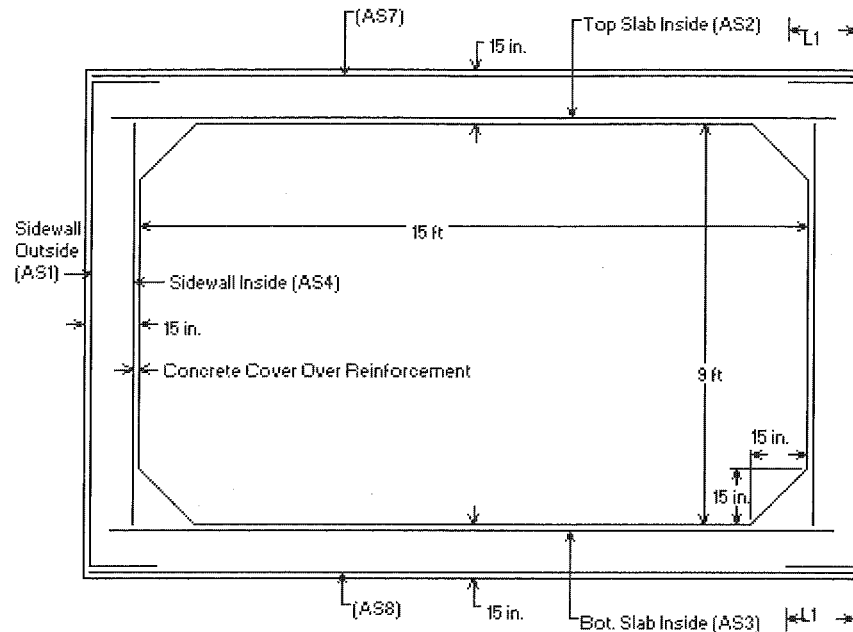
Height (Ext): 15"

Weight (Net): 4530 lb
Volume (Net): 1.16cu.yd



BOX CULVERT (08W/08F/08T) G/T

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- * <L1> is Splice Length
- * (AS7) is Top Slab Outside
- * (AS8) is Bottom Slab Outside
- * See Box Culvert Design Summary Sheet for transverse and distribution reinforcement, as required.
- * For sidewall thicknesses of 6 in. and above, extend AS2 and AS3 a min. of 4 in. beyond the inside face of the sidewall. For thicknesses less than 6 in., extend AS2 and AS3 at least to within 1-1/2 in. of the outside face of the sidewall.

Notes:

- 1) Other reinforcement schemes that provide the required reinforcement areas at all locations identified in the program output are acceptable.
- 2) Longitudinal reinforcement is not shown for clarity, see AASHTO M259 for longitudinal reinforcement and for additional requirements.

KY Table 1

Precast Culvert KYHL-93 Design Table

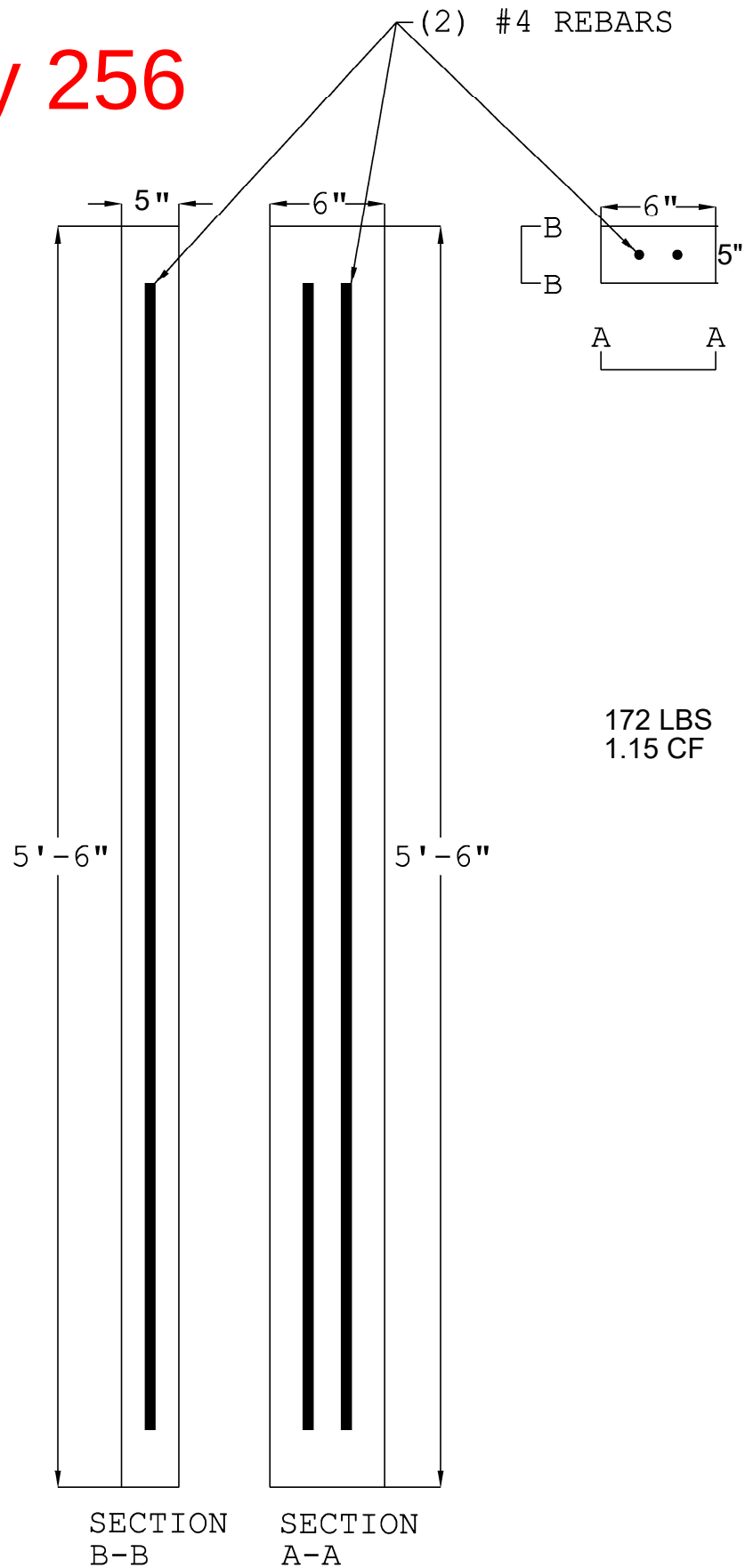
Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
6x4x7	0<2*	0.202	0.421	0.266	0.168	0.192	0.168	0.192	0.192
	2<3	0.251	0.368	0.288	0.168	0.168	0.168		
	3-5	0.19	0.271	0.24	0.168	0.168	0.168		
	10	0.168	0.228	0.234	0.168	0.168	0.168		
	15	0.216	0.306	0.313	0.168	0.168	0.168		
	20	0.275	0.391	0.398	0.168	0.168	0.168		
	25	0.338	0.479	0.487	0.168	0.168	0.168		
	30	0.404	0.571	0.579	0.168	0.168	0.168		
	35	0.473	0.667	0.675	0.168	0.168	0.168		
*top slab 8"									

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
6x5x7	0<2*	0.192	0.449	0.291	0.168	0.192	0.168	0.192	0.192
	2<3	0.22	0.398	0.316	0.168	0.168	0.168		
	3-5	0.168	0.294	0.262	0.168	0.168	0.168		
	10	0.168	0.243	0.252	0.168	0.168	0.168		
	15	0.188	0.326	0.336	0.168	0.168	0.168		
	20	0.238	0.417	0.427	0.168	0.168	0.168		
	25	0.291	0.512	0.522	0.168	0.168	0.168		
	30	0.347	0.611	0.622	0.168	0.168	0.168		
	35	0.406	0.714	0.725	0.168	0.168	0.168		
*top slab 8"									

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
6x6x7	0<2*	0.192	0.47	0.311	0.168	0.192	0.168	0.192	0.192
	2<3	0.195	0.421	0.337	0.168	0.168	0.168		
	3-5	0.168	0.311	0.277	0.168	0.168	0.168		
	10	0.168	0.252	0.263	0.168	0.168	0.168		
	15	0.168	0.338	0.349	0.168	0.168	0.168		
	20	0.212	0.432	0.444	0.168	0.168	0.168		
	25	0.259	0.531	0.543	0.168	0.168	0.168		
	30	0.308	0.634	0.647	0.168	0.168	0.168		
	35	0.359	0.741	0.755	0.168	0.168	0.168		
*top slab 8"									

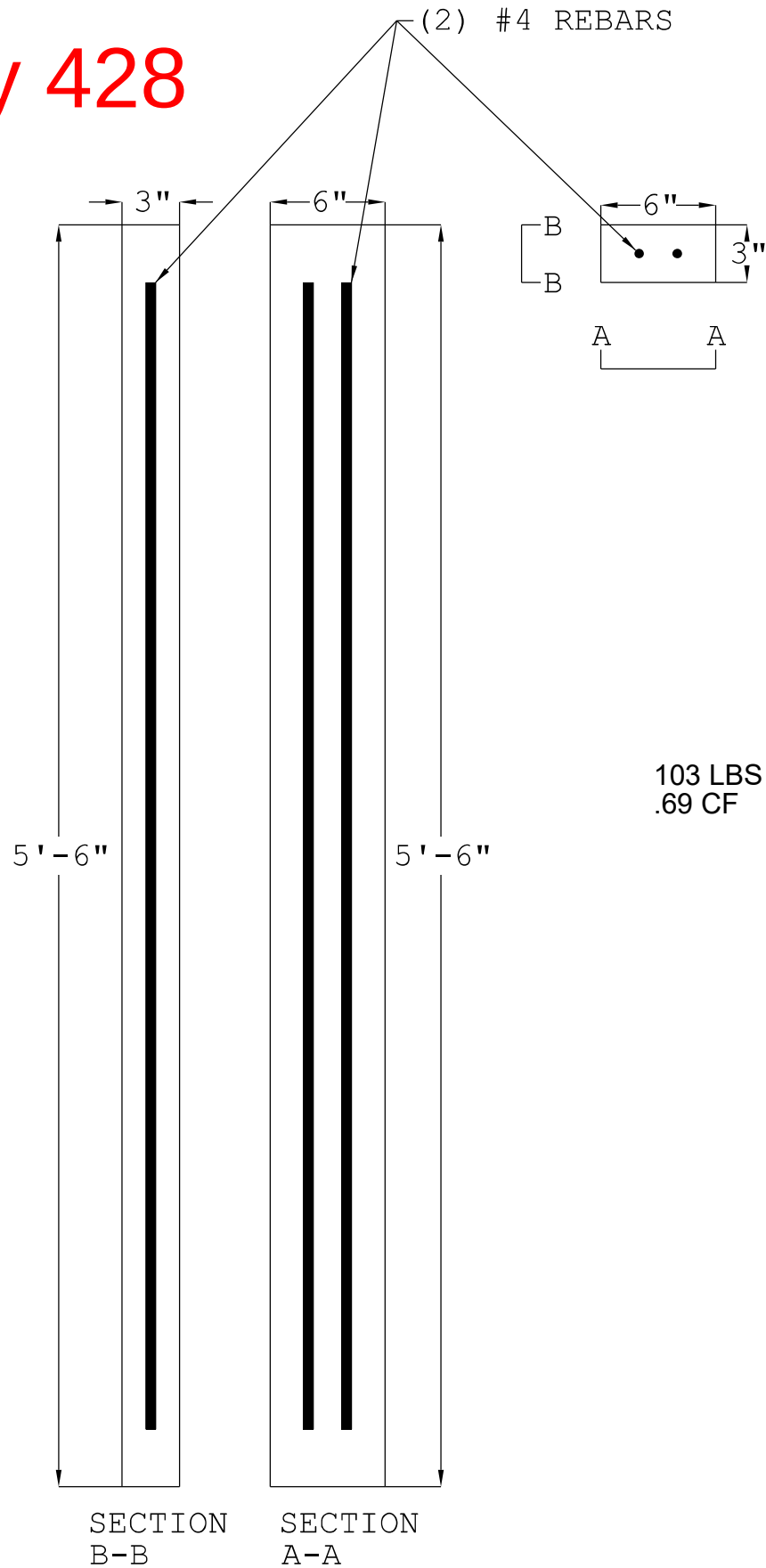
ALCOA CONCRETE LOGS

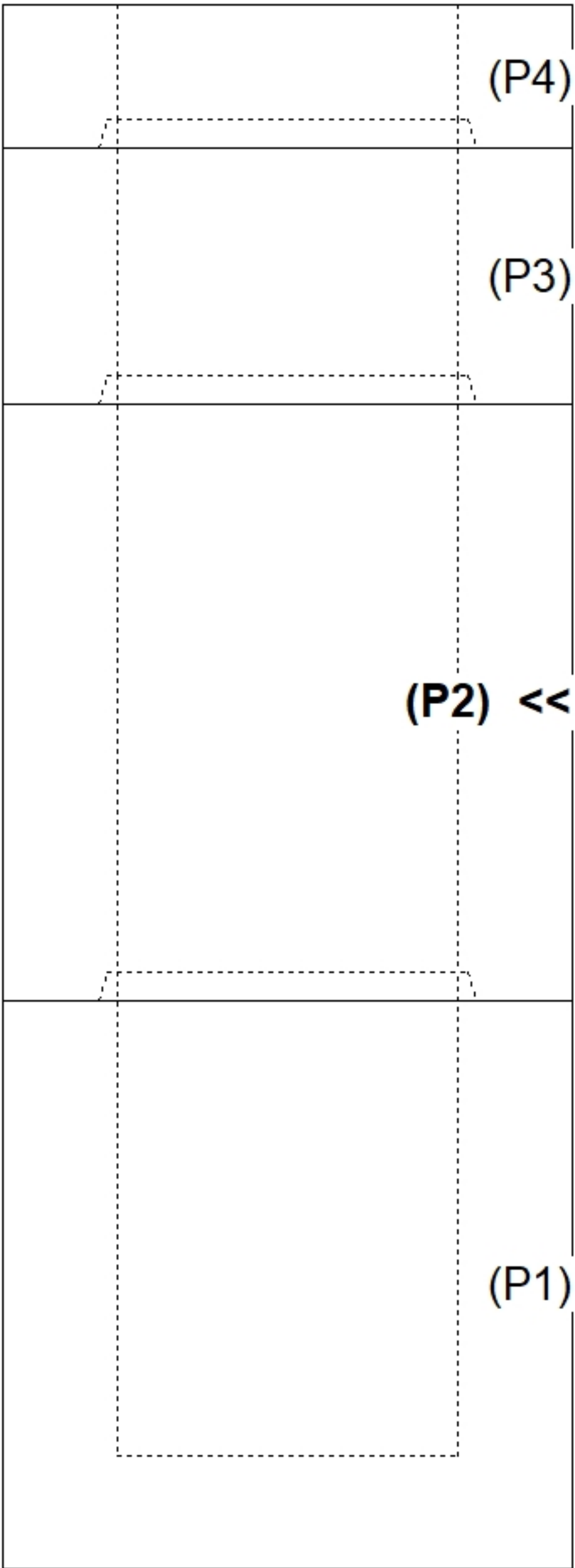
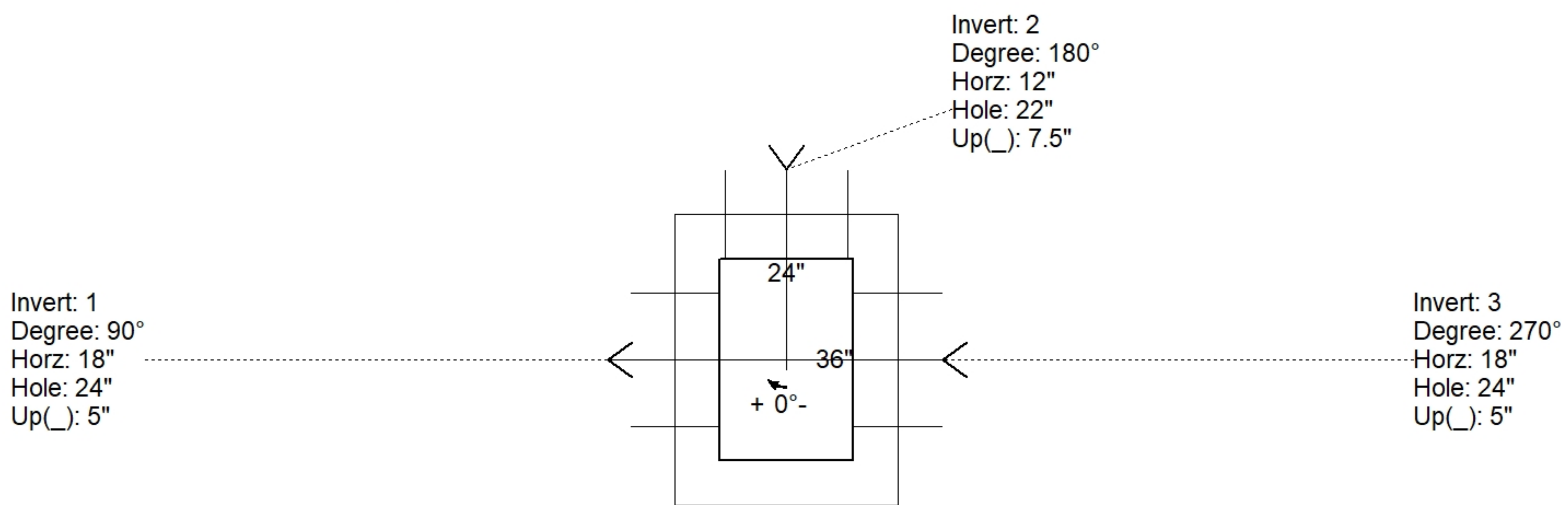
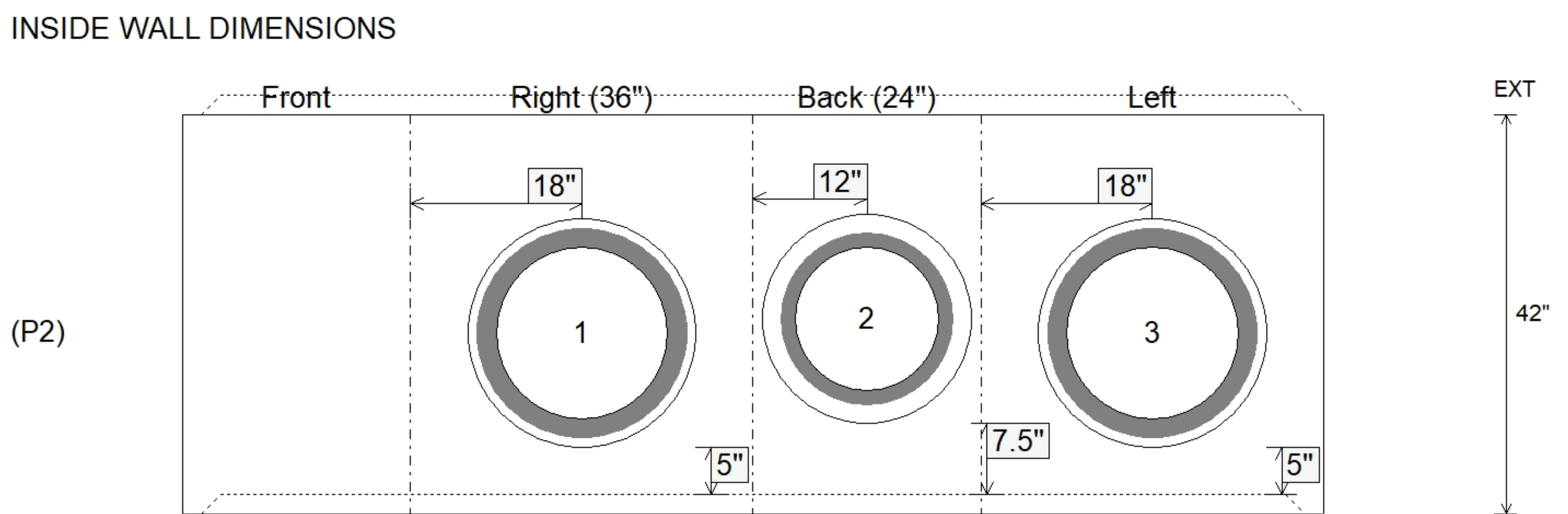
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ALCOA CONCRETE LOGS

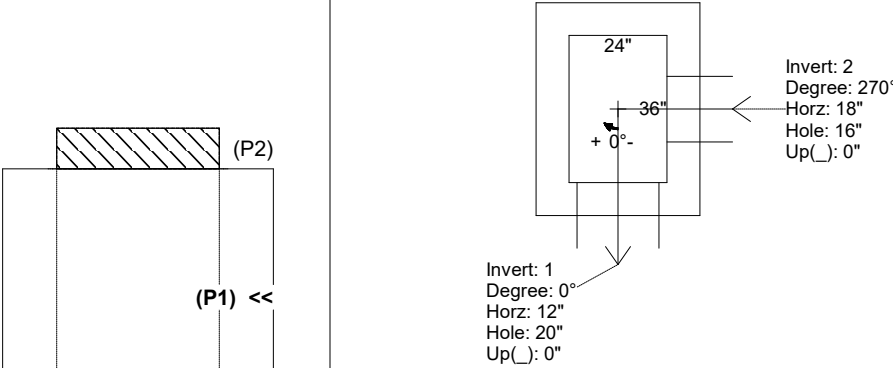
Quantity 428



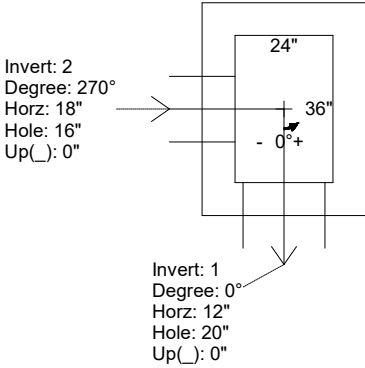
Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC				Plant: 100 5/19/2026 1:01:04 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: CBI-E2										
P2		BX2436-08R42		BOX RISER 8inW T/G						
P4) 24" x 120" - CB INLET KY A 10' TOP SAG F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM SAG T/G - 18" P2) 24" x 36" - BOX RISER 8inW T/G - 42" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 32" 1) CASTING - HOE KY-206 F/C (KY CBI A) 1) SNOOT - BMP SNOOT 24F w/ KIT 2) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 22						3398 lb 5270 lb 3423 lb 4661 lb 206 lb 25 lb 0 lb 0 lb 0 lb ----- Structure Total: 16983 lb		Structure Notes: 1. PER KYTC CBI A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING (HOE KY-206) TO BE CAST INTO TOP PHASE. 4. BMP SNOOT 18F w/KIT. REINFORCING PER ASTM AS615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - BASE WALLS (As .31) #5 BARS AT 12" C.C.E.W. - BASE FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Rim: 906.98'		Rim to Invert: 5'		Slack: 0"		Sump: 42"		Step Position:		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	901.98'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	5"	0"
Invert 2	902.23'	180°	20"	15" ADS N-12	18"	Hole 22	22"	22"	7.5"	0"
Invert 3	901.98'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	5"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										
RIGHT-SIDE UP VIEW (int. dimensions)										
										
INSIDE WALL DIMENSIONS										
										
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 8" Floor Height: 0"		Height (Int): 42" Height (Ext): 42"		Weight (Net): 3423 lb Volume (Net): 0.87cu.yd	

Job Name: 25-4508 - Georgetown Commons Target Job Location: Georgetown, KY Contractor: Winwater Hartford KY Co.					Plant: 100 5/28/2026 11:25:35 AM		Tech: Jared - F PC: A. Chambers			
Structure ID: 17 (20)										
P1 BX2436-08BA30		BOX BASE 8inW, 8inF F/n								
P2) 24" x 36" - CASTING HEIGHT - 6" P1) 24" x 36" - BOX BASE 8inW, 8inF F/n - 30" 1) CASTING - HOE 470 SET LV (F/G/H) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 20 1) Hole - 16					0 lb 4112 lb 394 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 4506 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 (HOE 470 SET LV (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: 870.85' Rim to Invert: 2.95' Slack: 0.65' Sump: 1.25' Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	867.9'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2	867.9'	270°	26"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

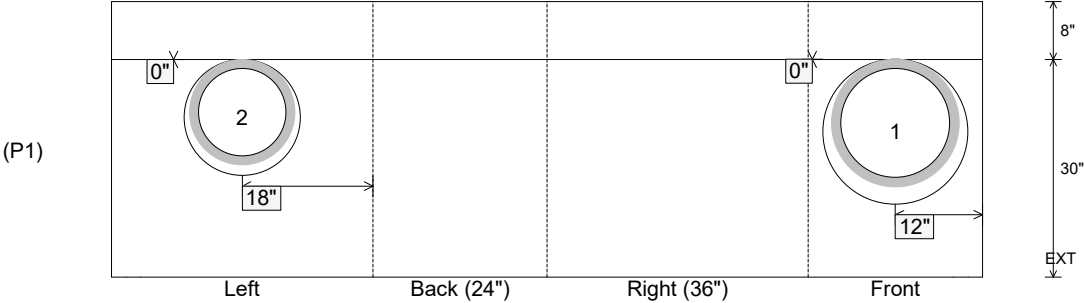
RIGHT-SIDE UP VIEW (int. dimensions)



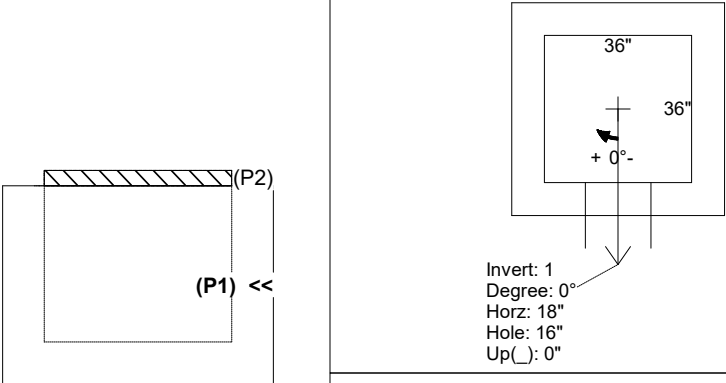
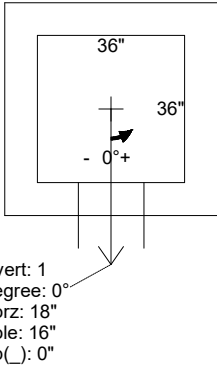
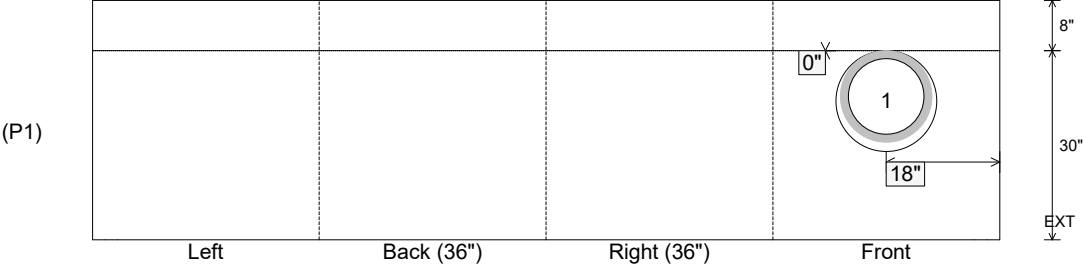
UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 30" Height (Ext): 38"	Weight (Net): 4112 lb Volume (Net): 1.05cu.yd
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Job Name: 25-4508 - Georgetown Commons Target Job Location: Georgetown, KY Contractor: Winwater Hartford KY Co.				Plant: 100 5/28/2026 11:25:41 AM		Tech: Jared - F PC: A. Chambers				
Structure ID: 114 (30)										
P1 BX3636-08BA30				BOX BASE 8inW, 8inF F/n						
P2) 36" x 36" - CASTING HEIGHT - 3" P1) 36" x 36" - BOX BASE 8inW, 8inF F/n - 30" 1) CASTING - HOE 595 F/G 1) 36" x 36" - Conseal CS-102 1.00" 1) Hole - 16				0 lb 5225 lb 376 lb 0 lb 0 lb ----- 0 lb Structure Total: 5601 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 (HOE 595 F/G). 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: 870.93' Rim to Invert: 2.68' Slack: 0.41' Sump: 1.25" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	868.25'	0°	26"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)  										
INSIDE WALL DIMENSIONS										
										
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 30" Height (Ext): 38"		Weight (Net): 5225 lb Volume (Net): 1.34cu.yd	

Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 12:59:33 PM

Tech: J. Horsley

PC: C. Golf



Structure ID: BASIN B1 - OCS

P1 BX4848-08BAVF

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

P2) 48" x 48" - CASTING HEIGHT - 1"

P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 35"

1) 48" x 48" - Conseal CS-102 1.00"

1) Hole - 24

1) Hole - 6

0 lb

7690 lb

0 lb

0 lb

0 lb

Structure Total: 7690 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. CASTING/BAR GRATE SUPPLIED BY OTHERS.

REINFORCING PER ASTM A615 (GRADE 60).

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

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

Rim: 870'

Rim to Invert: 3'

Slack: 0"

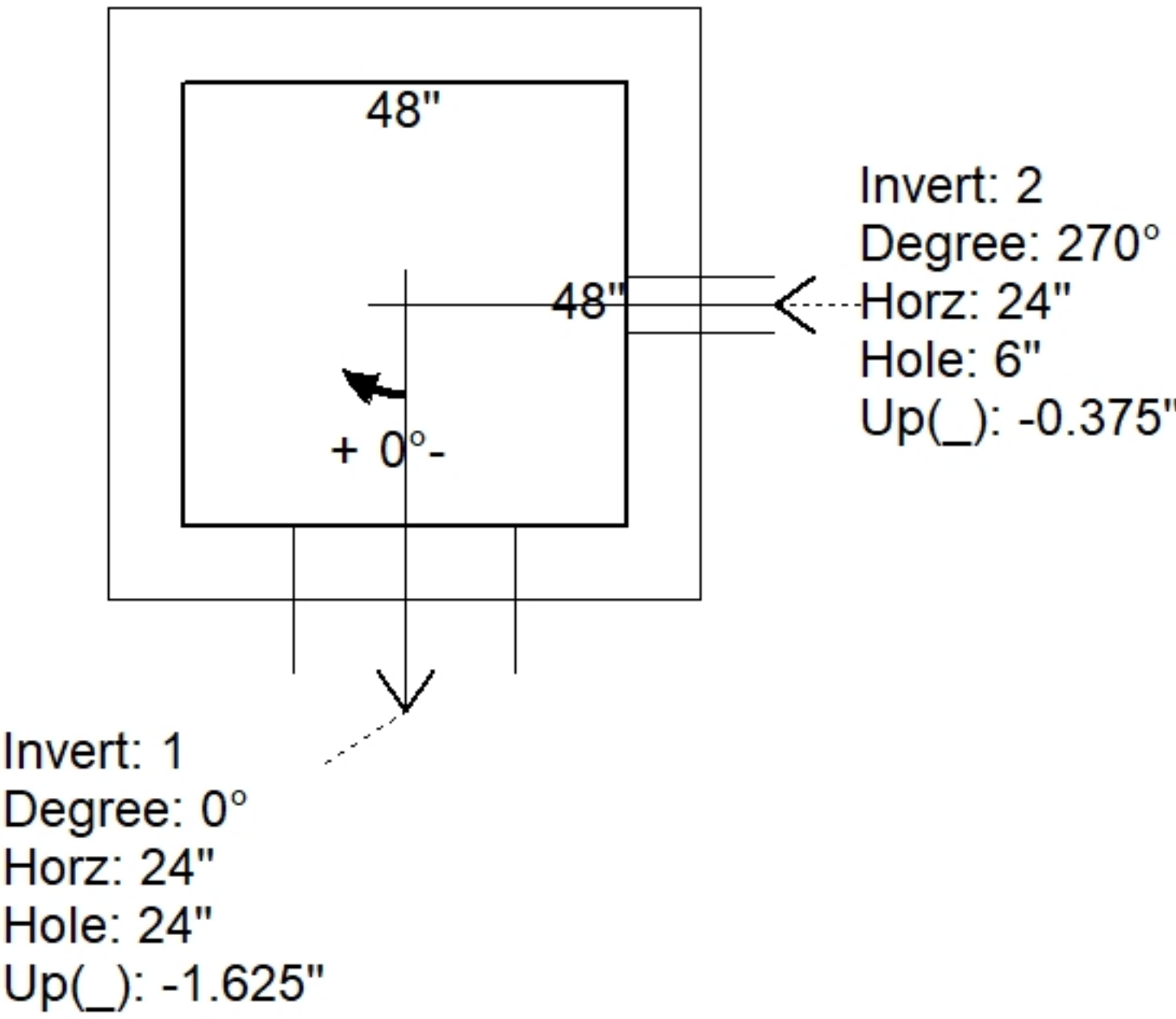
Sump: 0"

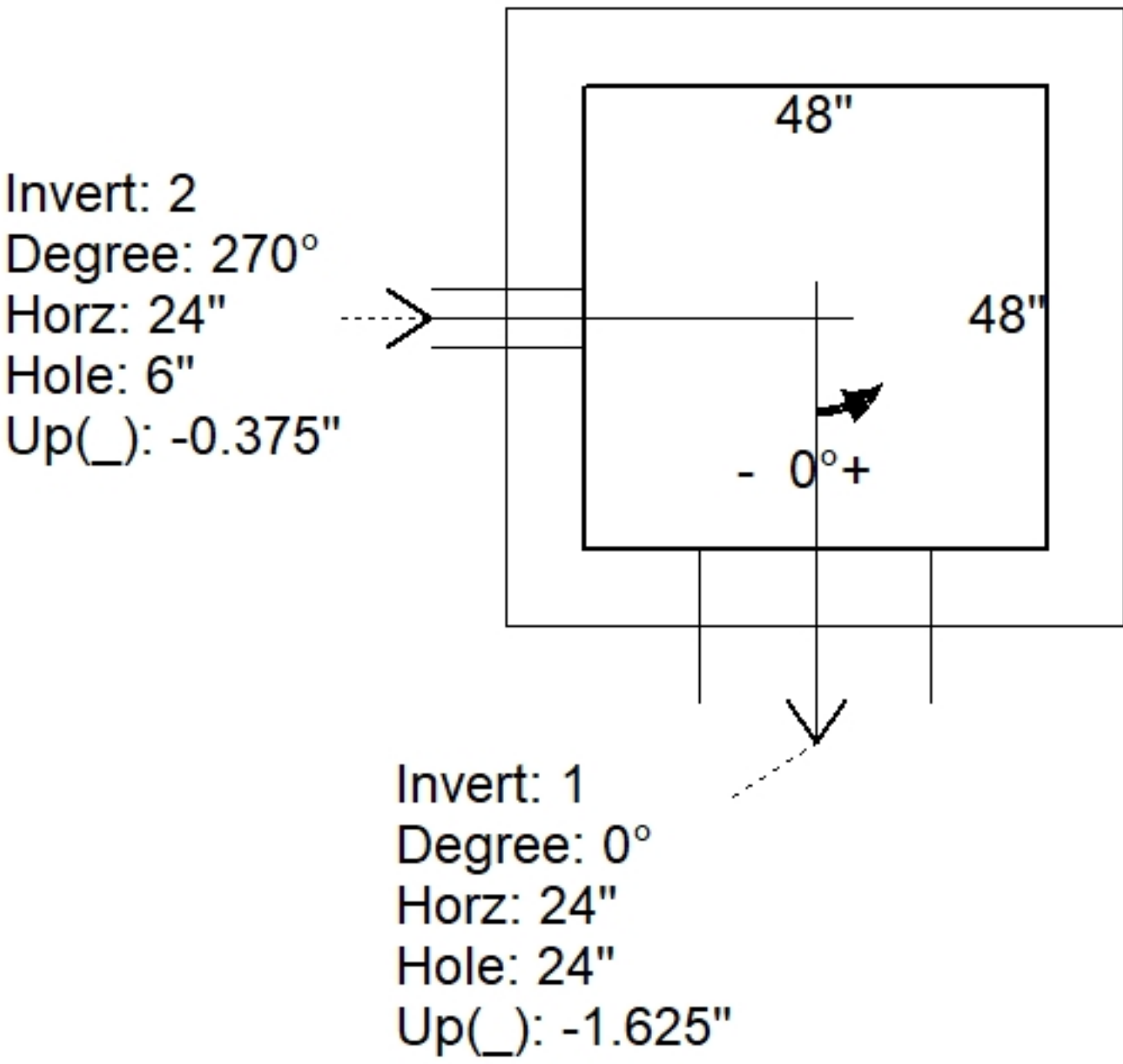
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	867'	0°	32"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2	867'	270°	32"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	-0.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

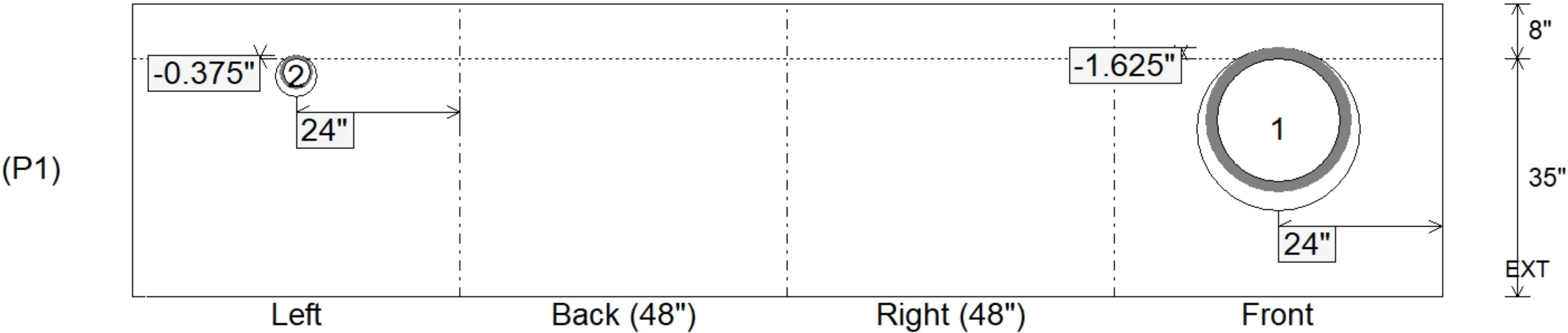
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)





INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

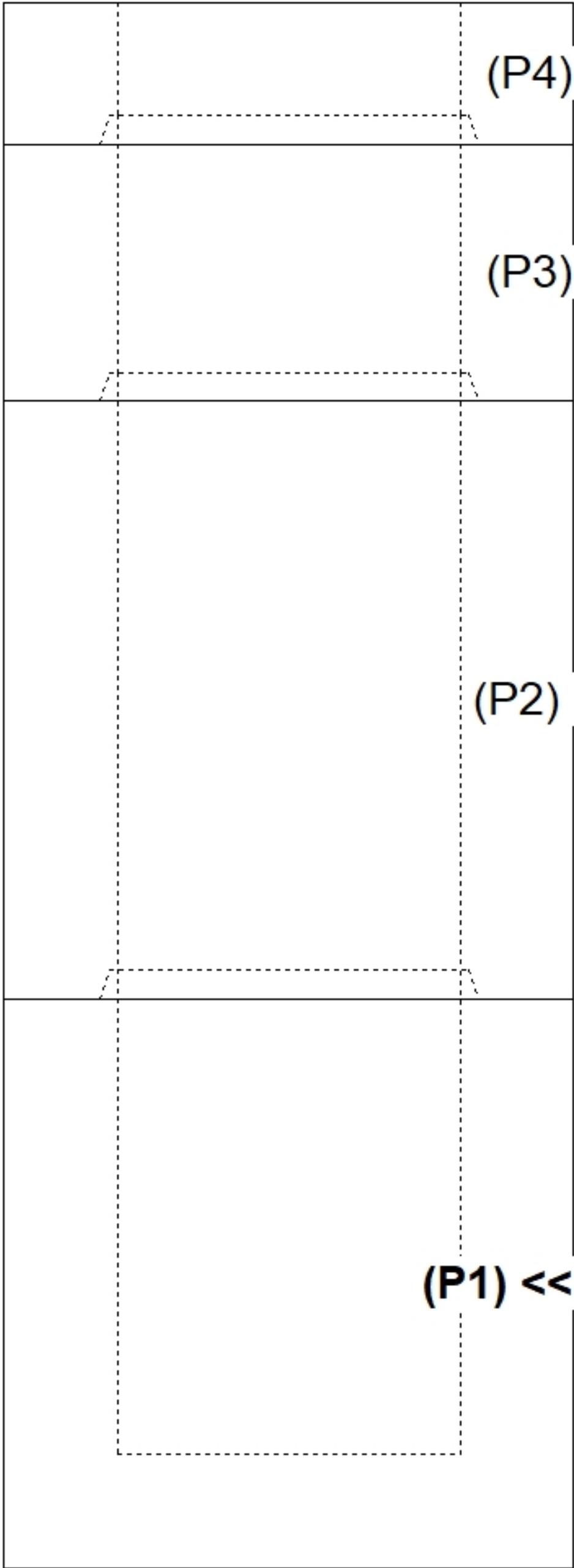
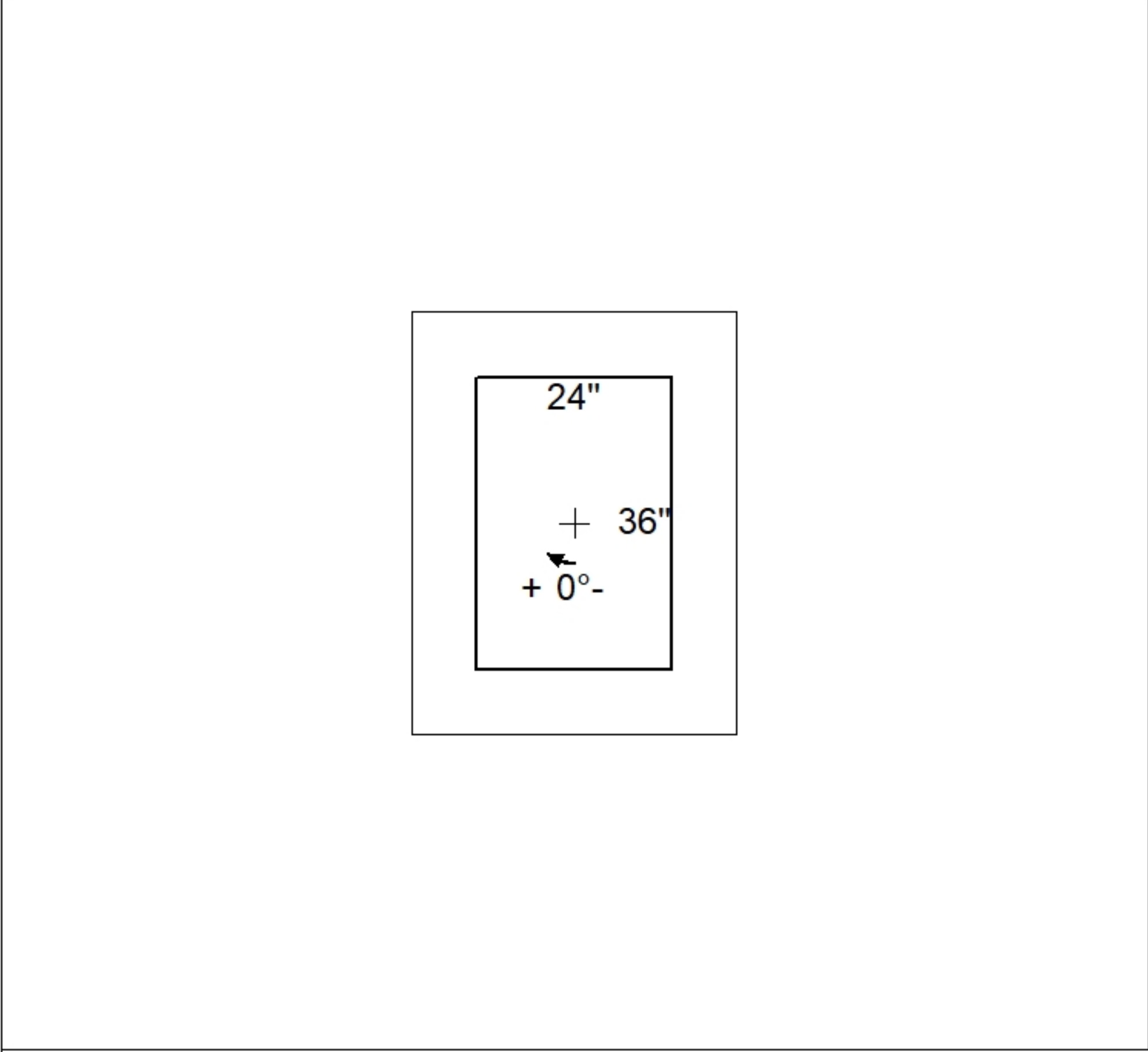
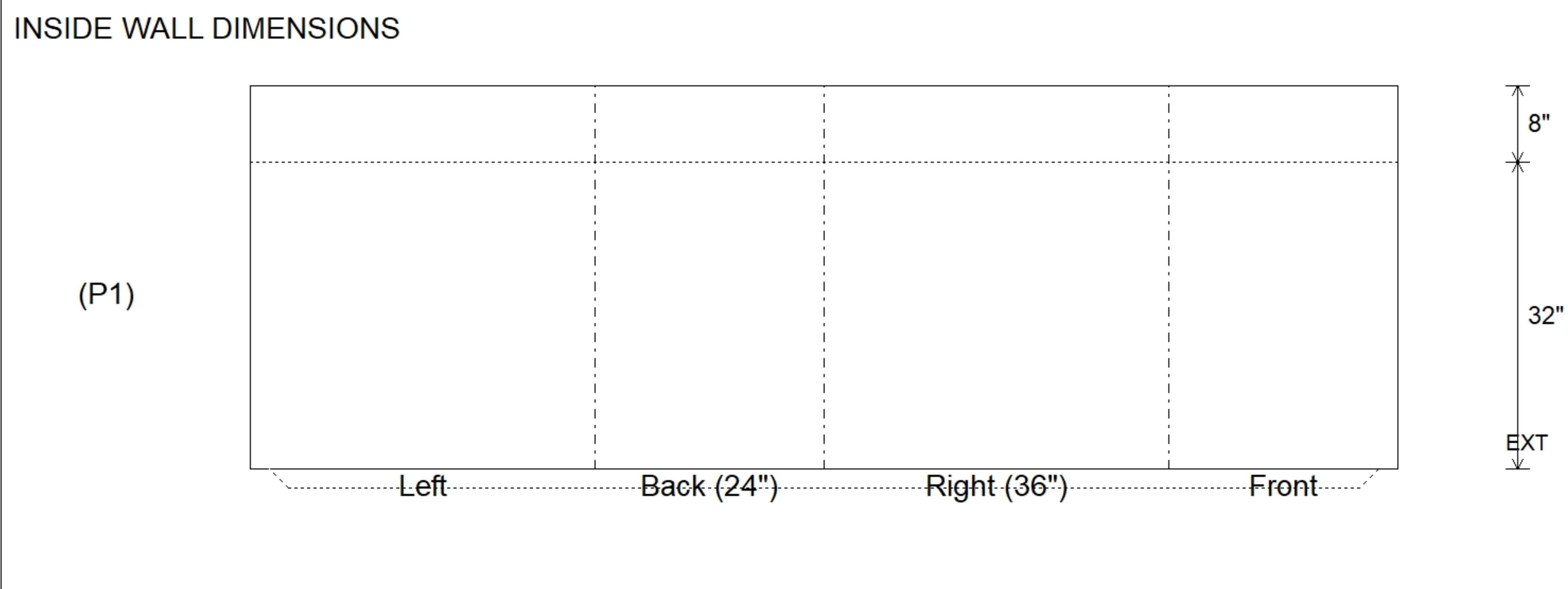
Floor Height: 8"

Height (Int): 35"

Height (Ext): 43"

Weight (Net): 7690 lb

Volume (Net): 1.96cu.yd

Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC				Plant: 100 5/19/2026 12:59:21 PM		Tech: J. Horsley PC: C. Golf					
Structure ID: CBI-E2											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht T/n							
P4) 24" x 120" - CB INLET KY A 10' TOP SAG F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM SAG T/G - 18" P2) 24" x 36" - BOX RISER 8inW T/G - 42" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 32" 1) CASTING - HOE KY-206 F/C (KY CBI A) 1) SNOUT - BMP SNOUT 24F w/ KIT 2) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 22				3398 lb 5270 lb 3423 lb 4661 lb 206 lb 25 lb 0 lb 0 lb 0 lb ----- Structure Total: 16983 lb		Structure Notes: 1. PER KYTC CBI A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING (HOE KY-206) TO BE CAST INTO TOP PHASE. 4. BMP SNOUT 18F w/KIT. REINFORCING PER ASTM AS615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - BASE WALLS (As .31) #5 BARS AT 12" C.C.E.W. - BASE FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 906.98'				Rim to Invert: 5'		Slack: 0"		Sump: 42"		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)  UPSIDE-DOWN VIEW (int. dimenions)  INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 32" Height (Ext): 40"		Weight (Net): 4661 lb Volume (Net): 1.19cu.yd	

Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 12:59:20 PM

Tech: J. Horsley

PC: C. Golf

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: CBI-C6

P1 BX2424-08BA36

BOX BASE 8inW, 8inF F/n

P2) 24" x 24" - CASTING HEIGHT - 11"

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

1) CASTING - HOE KY-465 SET (CBI TY F)

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

2) Hole - 20

0 lb

3713 lb

465 lb

0 lb

0 lb

Structure Total: 4178 lb

Structure Notes:

1. PER KYTC CBI F / ASTM C913 SPEC'S.

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

3. CASTING BY ICAST (HOE KY-465 F/G/H) SHIPPED LOOSE.

REINFORCING PER ASTM AS615 (GRADE 60).

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

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

Rim: 906.28'

Rim to Invert: 4'

Slack: 1"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	902.28'	0°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	902.28'	120°	24.625"	15" ADS N-12	18"	Hole 20	20"	23.094"	-2.5"	-6"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2

Degree: 120°

Horz: 12"

Hole: 20"

Up(): -2.5"

Invert: 1

Degree: 0°

Horz: 12"

Hole: 20"

Up(): -2.5"

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2

Degree: 120°

Horz: 12"

Hole: 20"

Up(): -2.5"

Invert: 1

Degree: 0°

Horz: 12"

Hole: 20"

Up(): -2.5"

INSIDE WALL DIMENSIONS

Left

Back (24")

Right (24")

Front

8"

36"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 36"

Height (Ext): 44"

Weight (Net): 3713 lb

Volume (Net): 0.95cu.yd

Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 12:59:19 PM

Tech: J. Horsley

PC: C. Golf

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: CBI-C5

P1BX2436-08BVF

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 - 23"

1) CASTING - HOE KY-206 F/C (KY CBI A)

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

2) Hole - 22

3398 lb

5270 lb

3233 lb

206 lb

0 lb

0 lb

Structure Total: 12107 lb

Structure Notes:

1. PER KYTC CBI A / ASTM C913 SPEC'S.

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

3. CASTING (HOE KY-206) TO BE CAST INTO TOP PHASE.

REINFORCING PER ASTM AS615 (GRADE 60).

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

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

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

Rim: 896.83'

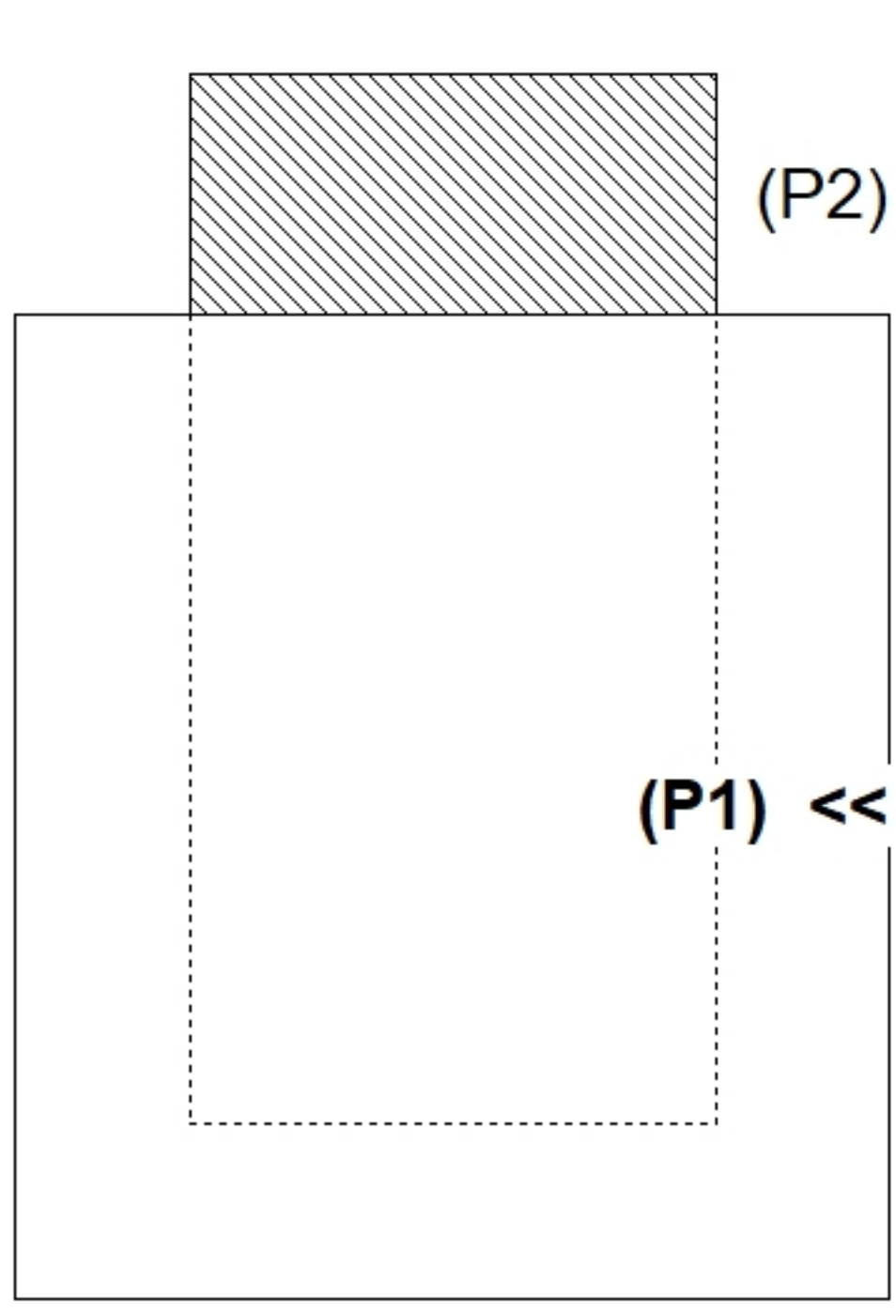
Rim to Invert: 4.25'

Slack: 0"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	892.58'	0°	20"	15" ADS N-12	18"	Hole 22	22"	22"	-3.5"	0"
Invert 2	892.58'	180°	20"	15" ADS N-12	18"	Hole 22	22"	22"	-3.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:25 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: CBI-H4											
P1		BX2424-08BAVF			BOX BASE 8inW, 8inF, Variable Ht F/n						
P2) 24" x 24" - CASTING HEIGHT - 11" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 37" 1) CASTING - HOE KY-465 SET (CBI TY F) 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 22					0 lb 3998 lb 465 lb 0 lb 0 lb ----- Structure Total: 4463 lb		Structure Notes: 1. PER KYTC CBI F / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-206) TO BE CAST INTO TOP PHASE. REINFORCING PER ASTM AS615 (GRADE 60). - BASE WALLS (As .31) #5 BARS AT 12" C.C.E.W. - BASE FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 912.79'		Rim to Invert: 4'		Slack: 0"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	908.79'	0°	20"	15" ADS N-12	18"	Hole 22	22"	22"	-3.5"	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. dimenions)						
											
INSIDE WALL DIMENSIONS											

Job Name: 26-1100 - TVA Shawnee

Job Location: Paducah, KY

Contractor: TVA

Plant: 100

4/27/2026 12:21:02 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: 61100 (2)

P1 BX4848-08BA60

BOX BASE 8inW, 8inF F/n

P3) 32" x 32" - CASTING HEIGHT - 4"

P2) 48" x 48" - BX FLAT LID 8inW w/32"x32" HOLE F/F - 8"

P1) 48" x 48" - BOX BASE 8inW, 8inF F/n - 60"

1) CASTING - JBS 4315 F/G

1) 48" x 48" - Conseal CS-102 1.00"

1) 32" x 32" - Conseal CS-102 1.00"

2) Hole - 2

2) Hole - 8

0 lb

2062 lb

11700 lb

500 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 14262 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

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. JBS 4315 FRAME & GRATE SUPPLIED BY ICAST

7. INVERTS 1 & 2 OFFSET 3" FROM CENTER (6" CENTER-TO-CENTER)

8. INVERTS 3 & 4 OFFSET 12" FROM CENTER (24" CENTER-TO-CENTER)

Rim: 344.25'

Rim to Invert: 1.67'

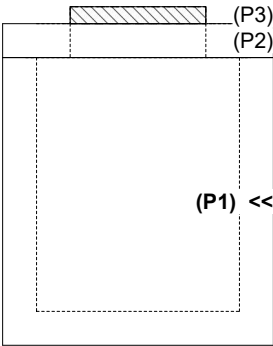
Slack: 0"

Sump: 51.96"

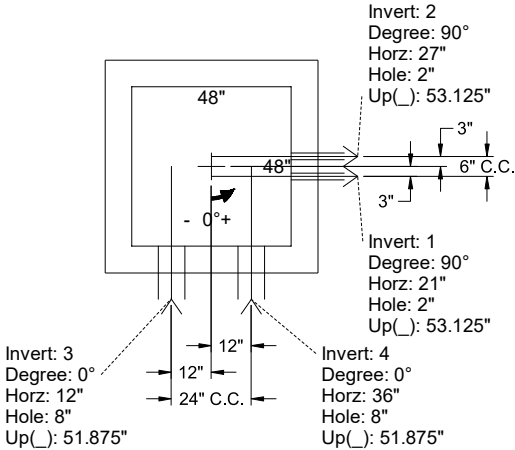
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	342.68'	90°	29"	2" Orifice	2"	Hole 2	2"	2"	53.125"	-3"
Invert 2	342.68'	90°	35"	2" Orifice	2"	Hole 2	2"	2"	53.125"	3"
Invert 3	342.58'	0°	20"	4" PVC SDR35	4.25"	Hole 8	8"	8"	51.875"	-12"
Invert 4	342.58'	0°	44"	4" PVC SDR35	4.25"	Hole 8	8"	8"	51.875"	12"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

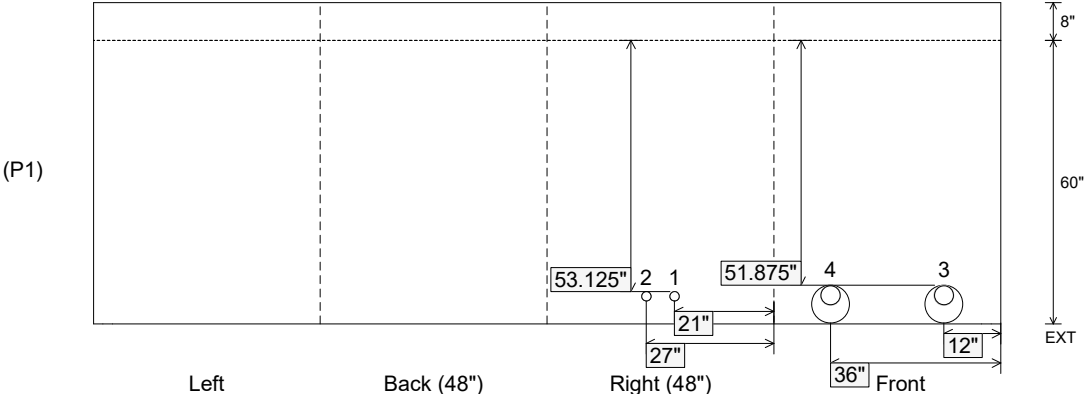
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

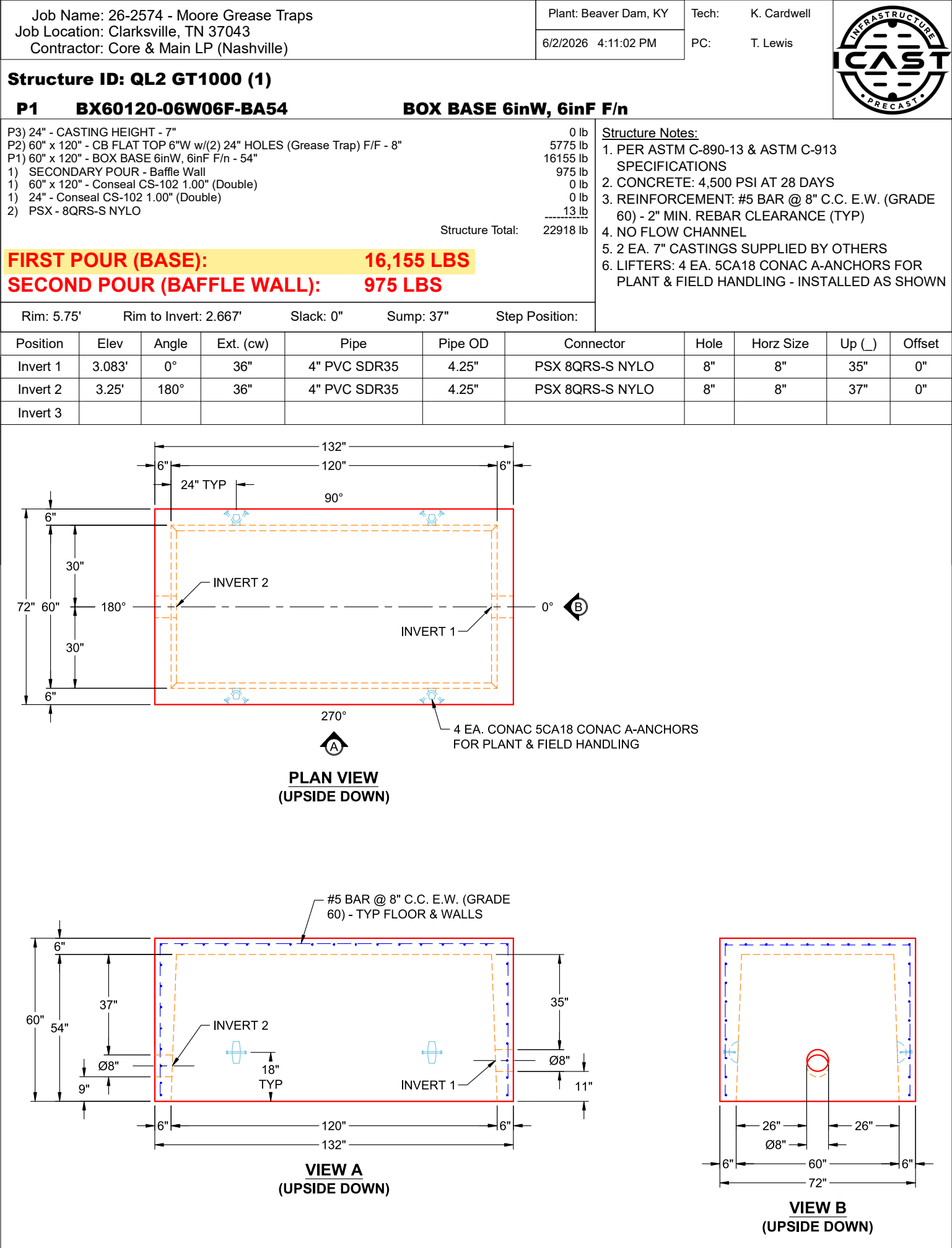
Floor Height: 8"

Height (Int): 60"

Height (Ext): 68"

Weight (Net): 11700 lb

Volume (Net): 2.99cu.yd



Job Name: 26-2574 - Moore Grease Traps
Job Location: Clarksville, TN 37043
Contractor: Core & Main LP (Nashville)

Plant: Beaver Dam, KY
6/2/2026 4:11:02 PM

Tech: K. Cardwell
PC: T. Lewis



Structure ID: QL2 GT1000 (1)

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

P3) 24" - CASTING HEIGHT - 7"
P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"
P1) 60" x 120" - BOX BASE 6inW, 6inF F/n - 54"
1) SECONDARY POUR - Baffle Wall
1) 60" x 120" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 8QRS-S NYLO

0 lb
5775 lb
16155 lb
975 lb
0 lb
0 lb
13 lb

22918 lb

Structure Total: 22918 lb

Structure Notes:

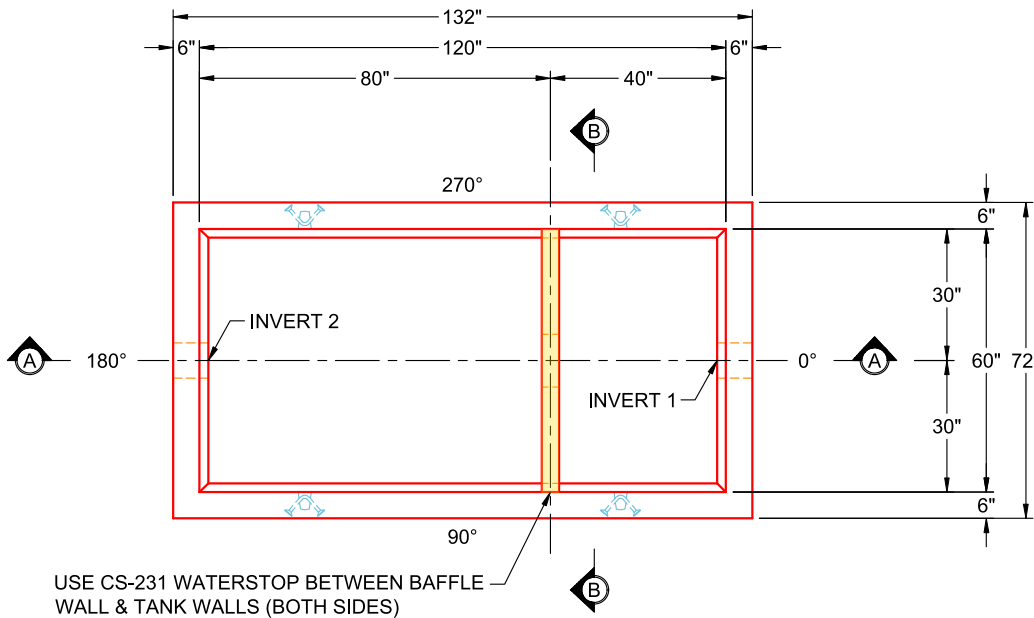
1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. DRILL & DOWEL #4 BAR @ 12" C.C. E.W. (GRADE 60) INTO BASE FLOOR FOR BAFFLE WALL TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR
5. PRIOR TO BAFFLE WALL POUR, ADD STRIP OF CS-231 BETWEEN BALLE WALL & TANK WALLS (BOTH SIDES)

FIRST POUR (BASE): 16,155 LBS

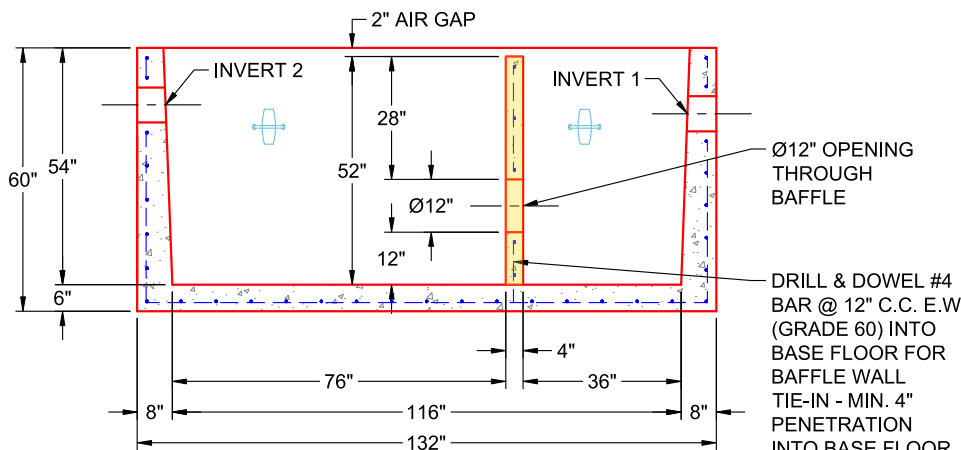
SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.75' Rim to Invert: 2.667' Slack: 0" Sump: 37" Step Position:

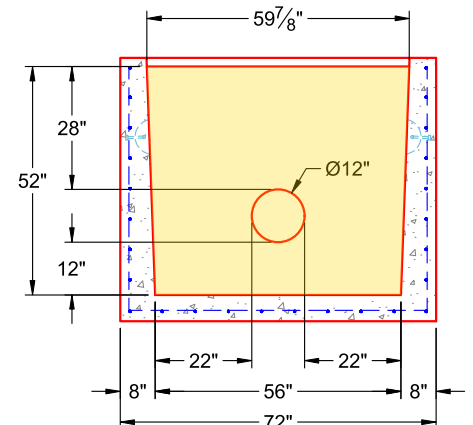
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



**PLAN VIEW
(RIGHT SIDE UP)**



**SECTION A-A
(RIGHT SIDE UP)**



**SECTION B-B
(RIGHT SIDE UP)**

Job Name: 25-2898 - Hunter's Ridge Ph.1
Job Location: Owensboro, KY
Contractor: Ernie Davis & Sons Mechanical, Inc.

Plant: 100
5/29/2026 8:42:13 AM

Tech: Jared - A
PC: A. Chambers



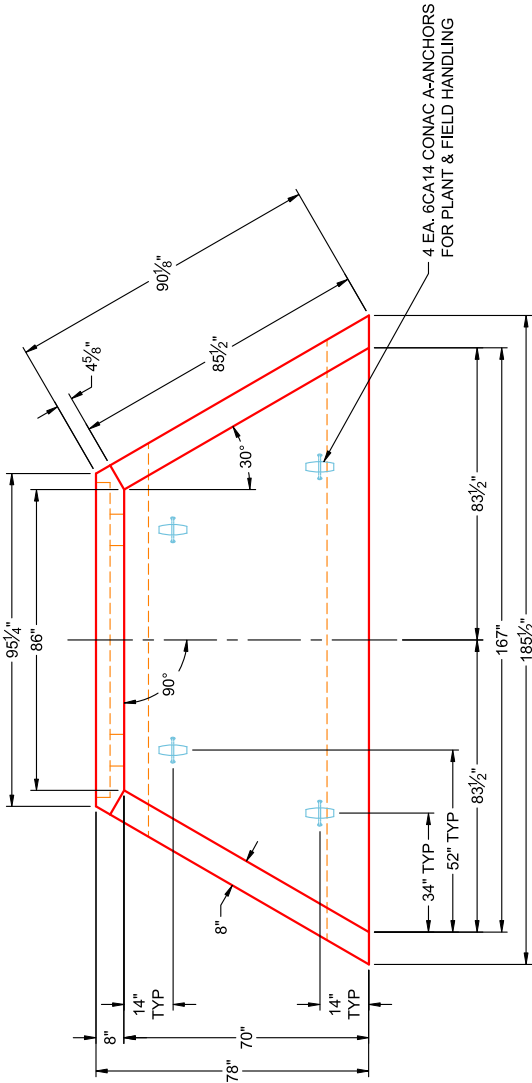
Structure ID: BC 6 x 4 HW (1)

P1 HWCUSTOM

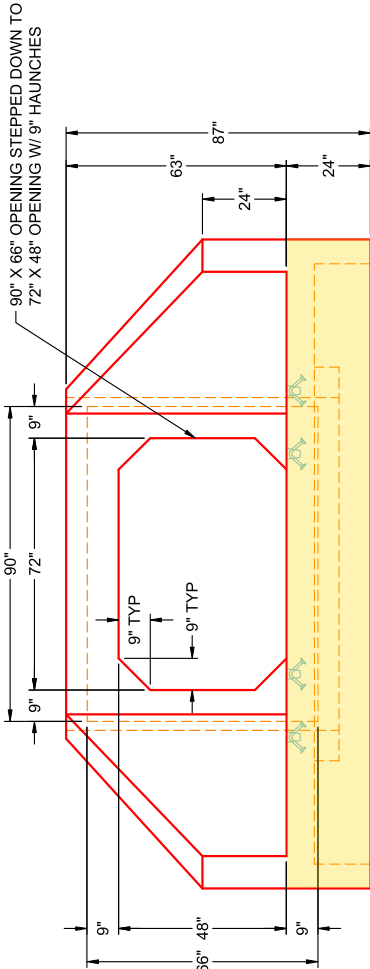
72" x 48" - BOX CULVERT HEADWALL F/F

GENERAL NOTES:

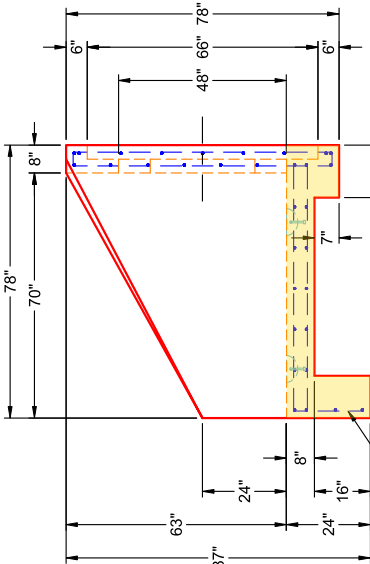
- DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWINGS RDH-1000-02, RDH-1100-02, RDH-1200-02, & RDH-1300-03
- REINFORCEMENT PER ATTACHED KYTC STANDARD DRAWINGS RDH-1000-02, RDH-1200-02, & RDH-1300-03 - 2" MIN. REBAR CLEARANCE (TYP)
- CONCRETE: 5,000 PSI AT 28 DAYS
- TOTAL WEIGHT: 17,065 LBS
- FIRST POUR: 10,870 LBS
- SECOND POUR: 6,195 LBS



PLAN VIEW
(RIGHT SIDE UP)



FRONT VIEW
(RIGHT SIDE UP)



SIDE VIEW
(RIGHT SIDE UP)

SEE ATTACHED KYTC STANDARD
DRAWINGS FOR REINFORCEMENT
DETAILS

PRODUCTION WORK ORDER



- QUALITY CONTROL CHECKLIST
- ☐ ALL DIMENSIONS CORRECT.
 - ☐ LIFTERS INSTALLED
 - ☐ OPENING CENTERED.
 - ☐ REINFORCING CORRECT.
 - ☐ SURFACE QUALITY ACCEPTABLE.
 - ☐ EDGES CHAMFERED.
 - ☐ ALL PATCHWORK ACCEPTABLE.

PRODUCT I.D.: HWCUSTOM
PRODUCT VIEW: RIGHT SIDE UP
PLANT: BEAVER DAM, KY
WEIGHT: 17,065 LBS
TOP SECTION JOINT: N / A
BASE SECTION JOINT: N / A
QC CHECK INITIALS:

DESCRIPTION: 72" X 48" BOX CULVERT HEADWALL - 0° SKEW
CUSTOMER: ERNIE DAVIS & SONS MECHANICAL, INC
PROJECT: HUNTER'S RIDGE PH 1
STRUCTURE: BC 6 X 4 HW (1)
ORDER NO: 25-2898
PE: J.H. ROSS
DRAWING: K. CARDWELL
DATE: 05/29/26
SCALE: NTS
PG. 1 OF 1

THIS DRAWING IS THE PROPERTY OF INFRASTRUCTURE PRECAST, INC. ANY USE OR DUPLICATION OF THIS DRAWING WITHOUT PRIOR AUTHORIZATION IS STRICTLY PROHIBITED.



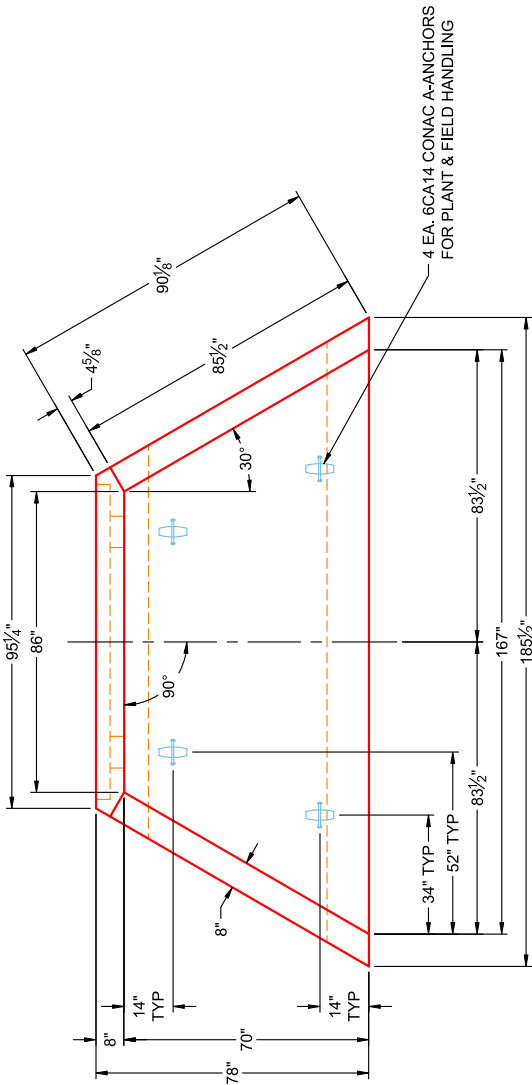
Structure ID: BC 6 x 4 HW (1)

P1 HWCUSTOM

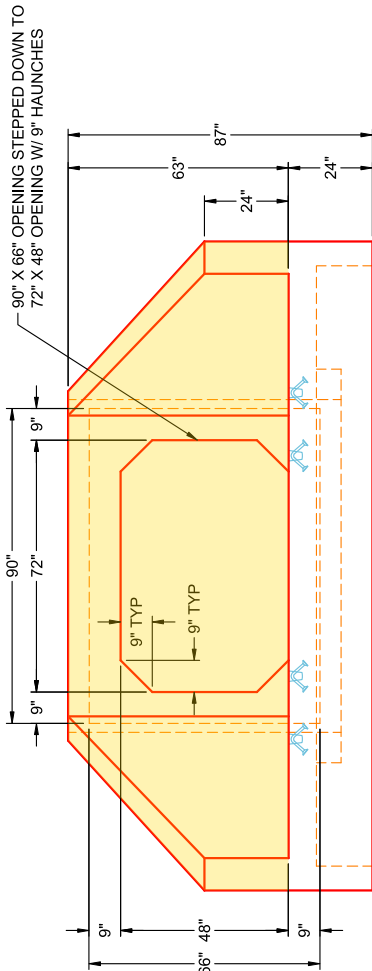
72" x 48" - BOX CULVERT HEADWALL F/F

GENERAL NOTES:

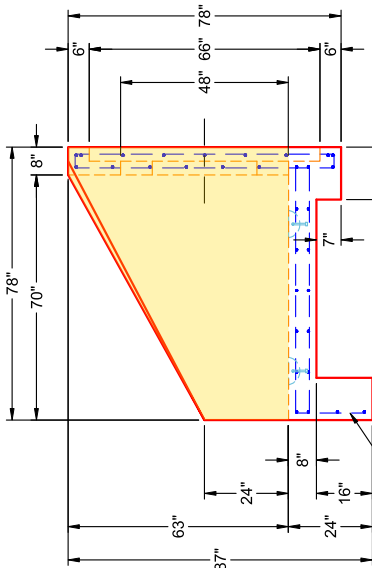
- DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWINGS RDH-1000-02, RDH-1100-02, RDH-1200-02, & RDH-1300-03
- REINFORCEMENT PER ATTACHED KYTC STANDARD DRAWINGS RDH-1000-02, RDH-1200-02, & RDH-1300-03 - 2" MIN. REBAR CLEARANCE (TYP)
- CONCRETE: 5,000 PSI AT 28 DAYS
- TOTAL WEIGHT: 17,065 LBS
- FIRST POUR: 10,870 LBS
- SECOND POUR: 6,195 LBS



PLAN VIEW
(RIGHT SIDE UP)



FRONT VIEW
(RIGHT SIDE UP)



SIDE VIEW
(RIGHT SIDE UP)

PRODUCTION WORK ORDER



- QUALITY CONTROL CHECKLIST
- ☐ ALL DIMENSIONS CORRECT.
 - ☐ LIFTERS INSTALLED
 - ☐ OPENING CENTERED.
 - ☐ REINFORCING CORRECT.
 - ☐ SURFACE QUALITY ACCEPTABLE.
 - ☐ EDGES CHAMFERED.
 - ☐ ALL PATCHWORK ACCEPTABLE.

PRODUCT I.D.: HWCUSTOM

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 17,065 LBS

TOP SECTION JOINT: N / A

BASE SECTION JOINT: N / A

QC CHECK INITIALS:

DESCRIPTION: 72" X 48" BOX CULVERT HEADWALL - 0° SKEW

CUSTOMER: ERNIE DAVIS & SONS MECHANICAL, INC

PROJECT: HUNTER'S RIDGE PH 1

STRUCTURE: BC 6 X 4 HW (1)

ORDER NO: 25-2898

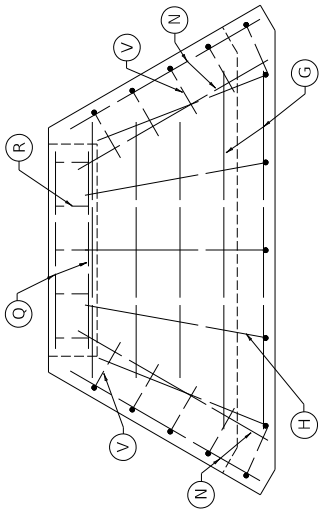
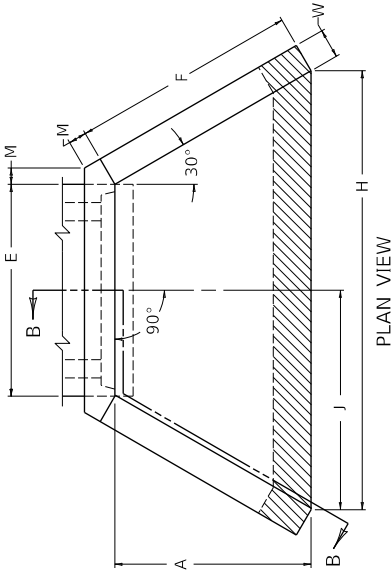
PE: J.H. ROSS

DRAWING: K. CARDWELL

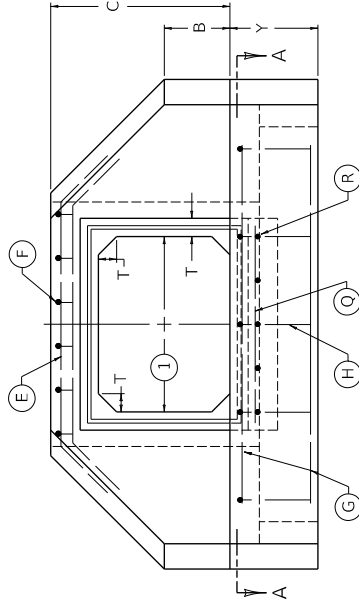
SCALE: NTS

PG. 1 OF 1

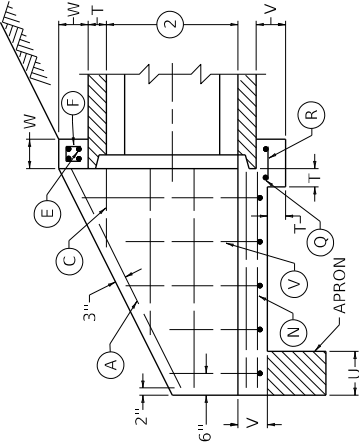
DRAWING SCALE:
1/2" = 1'



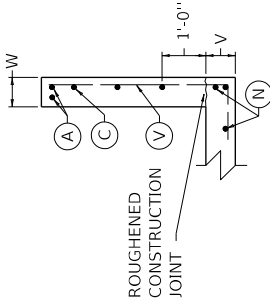
SECTION A-A



FRONT ELEVATION



SECTION B-B



WING SECTION

NOTES

1. SPAN OF BOX CULVERT
2. RISE OF BOX CULVERT
3. FOR DIMENSIONS, QUANTITIES, AND BILL OF REINFORCEMENT SEE CUR. STD. DWGS. RDH-1100, RDH-1200 AND RDH-1300 SERIES.
4. DIMENSIONS FROM FACE OF CONCRETE TO STEEL SHALL BE 2" CLEAR DISTANCE.
5. ENCLOSED LETTERS, O, INDICATE STEEL BAR LOCATIONS.
6. BARS (C), (G), AND (V) ARE SPACED 1'-0" O.C. ALL OTHER BARS SHALL BE EVENLY SPACED.
7. BARS (U) ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE END OF EACH WING.
8. BARS (C) ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE TOP OF EACH WING.
9. HEADWALLS LOCATED AT SHOULDER EDGE SHALL BE PARALLEL TO CENTERLINE OF ROAD.
10. [Hatched area symbol] LIMITS OF APRON.
11. PAVING SHALL BE REQUIRED AND SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF BOX. FRONT FACE OF HEADWALL AND ENDS OF WINGS SHALL REMAIN VERTICAL.

(LAYOUT AND STEEL PATTERN)	KENTUCKY DEPARTMENT OF HIGHWAYS
	PRECAST BOX CULVERT HEADWALLS - 0° SKEW (BOX RISE LESS THAN 6'-0")
	STANDARD DRAWING NO. RDH-1000-02
SUBMITTED	DIRECTOR DIVISION OF DESIGN
APPROVED	STATE HIGHWAY ENGINEER
	DATE

DIMENSION	PRECAST BOX CULVERT												DIMENSION
	3'x2'	3'x3'	4'x2'	4'x3'	4'x4'	5'x3'	5'x4'	5'x5'	6'x3'	6'x4'	6'x5'	6'x6'	
A	3'-4"	4'-4"	3'-6"	4'-6"	5'-6"	4'-8"	5'-8"	6'-8"	4'-10"	5'-10"	6'-10"	8'-0"	A
B	1'-0"	1'-6"	1'-0"	1'-6"	2'-0"	1'-6"	2'-0"	2'-6"	1'-6"	2'-0"	2'-6"	3'-0"	B
C	3'-0"	4'-0"	3'-1"	4'-1"	5'-1"	4'-2"	5'-2"	6'-2"	4'-3"	5'-3"	6'-3"	7'-5"	C
E	3'-8"			4'-10"			6'-0"			7'-2"			E
F	3'-10"	5'-0"	4'-0"	5'-2"	6'-4"	5'-5"	6'-7"	7'-8"	5'-7"	6'-9"	7'-11"	9'-3"	F
H	7'-6"	8'-8"	8'-10"	10'-0"	11'-2"	11'-5"	12'-7"	13'-8"	12'-9"	13'-11"	15'-1"	16'-5"	H
J	3'-9"	4'-4"	4'-5"	5'-0"	5'-7"	5'-8"	6'-3"	6'-10"	6'-4"	6'-11"	7'-6"	8'-2"	J
M	0'-5"												M
T	0'-4"		0'-5"			0'-6"			0'-7"				T
U	1'-0"												U
V	0'-8"												V
W	0'-8"												W
X	----												X
Y	2'-0"												Y
Z	----												Z

BOX SIZE ①	CONCRETE 2 HEADWALLS					REINFORCEMENT 2 HEADWALLS	
	②	③	④	⑤	⑥	⑦	⑧
3 X 2	3.17	0.82	—	—	—	271	—
3 X 3	4.39	0.94	—	—	—	365	—
4 X 2	3.74	0.96	—	—	—	311	—
4 X 3	5.06	1.07	—	—	—	389	—
4 X 4	6.60	1.18	—	—	—	497	—
5 X 3	5.76	1.20	—	—	—	430	—
5 X 4	7.39	1.32	—	—	—	576	—
5 X 5	9.24	1.43	—	—	—	681	—
6 X 3	6.51	1.34	—	—	—	483	—
6 X 4	8.22	1.45	—	—	—	603	—
6 X 5	10.16	1.57	—	—	—	738	—
6 X 6	19.81	2.39	2.24	3.26	18.43	1619	273
7 X 4	9.10	1.59	—	—	—	652	—
7 X 5	11.13	1.70	—	—	—	796	—
7 X 6	21.08	2.54	2.56	3.43	19.40	1678	292
7 X 7	24.13	2.67	3.00	3.69	22.15	2092	353
8 X 4	9.59	1.68	—	—	—	693	—
8 X 5	11.67	1.80	—	—	—	805	—
8 X 6	21.80	2.65	2.78	3.54	19.90	1736	325
8 X 7	24.88	2.78	3.25	3.80	22.64	2117	350
8 X 8	31.42	4.03	3.34	5.47	29.52	2749	427

BOX SIZE ①	CONCRETE 2 HEADWALLS					REINFORCEMENT 2 HEADWALLS	
	②	③	④	⑤	⑥	⑦	⑧
9 X 5	12.70	1.93	—	—	—	877	—
9 X 6	23.13	2.81	3.12	3.71	20.91	1791	327
9 X 7	26.26	2.93	3.62	3.97	23.68	2204	397
9 X 8	33.01	4.23	3.73	5.70	30.75	2846	479
9 X 9	36.81	4.40	4.25	6.04	34.20	3431	509
10 X 5	13.79	2.07	—	—	—	971	—
10 X 6	24.50	2.96	3.47	3.89	21.96	1972	376
10 X 7	27.69	3.09	4.00	4.14	24.75	2419	444
10 X 8	34.64	4.43	4.12	5.93	32.01	3081	482
10 X 9	38.50	4.60	4.68	6.27	35.49	3539	565
10 X 10	53.89	7.29	5.40	9.95	51.16	4748	674
11 X 4	12.60	2.09	—	—	—	870	—
11 X 6	25.92	3.11	3.83	4.06	23.04	2049	413
11 X 8	36.32	4.63	4.53	6.16	33.32	3180	534
11 X 10	56.04	7.59	5.89	10.29	52.85	4801	677
11 X 11	69.84	7.77	6.93	10.66	65.81	5688	778
12 X 4	13.72	2.22	—	—	—	903	—
12 X 6	27.39	3.26	4.19	4.23	24.17	2134	457
12 X 8	38.05	4.84	4.94	6.39	34.66	3424	587
12 X 10	60.16	7.88	6.38	10.62	56.52	5075	740
12 X 12	92.85	8.01	8.83	10.98	86.98	6916	929

① PRECAST CONCRETE BOX CULVERT SECTIONS EQUALS THE INTERIOR SPAN (S) BY THE INTERIOR RISE (R) IN FEET.

② CU. YDS. OF CONCRETE IN TWO HEADWALLS WITH PAVING.

③ CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITH PAVING).

④ CU. YDS. OF CONCRETE IN TWO PAVED AREAS OF THE HEADWALLS.

⑤ CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITHOUT PAVING).

⑥ CU. YDS. OF CONCRETE IN TWO HEADWALLS WITHOUT PAVING.

⑦ POUNDS OF REINFORCING STEEL IN TWO HEADWALLS WITH PAVING.

⑧ POUNDS OF REINFORCING STEEL TO DEDUCT WHEN PAVING FOR TWO HEADWALLS IS ELIMINATED.

KENTUCKY
DEPARTMENT OF HIGHWAYS

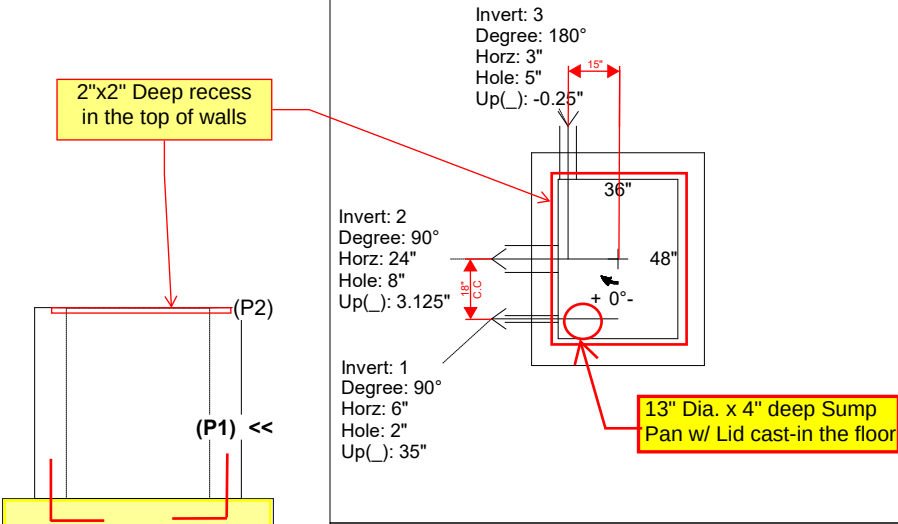
QUANTITIES
3' x 2' - 12' x 12' H-WALLS
PRECAST BOX CULVERTS
0° SKEW

STANDARD DRAWING NO. RDH-1200-02

SUBMITTED: _____ DATE: _____
APPROVED: _____ STATE HIGHWAY ENGINEER _____

Job Name: 26-1534 - Will Chancellor Rd Vaults Job Location: Stanford, KY Contractor: CITCO Water					Plant: 100 5/25/2026 11:54:24 AM		Tech: Jared - F PC: C. Goff				
Structure ID: Outlet Sump Basin											
P1 BX3648-08W12F08EF-BAVF			BX BASE W/FLANGE 8W/12F/8EF F/n								
P2) 36" x 48" - CASTING HEIGHT - 0" P1) 36" x 48" - BX BASE W/FLANGE 8W/12F/8EF - 48" 1) SECONDARY POUR - WALLS 1) Hole - 2 1) Hole - 8 1) Hole - 5					0 lb 11873 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 11873 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. 2"x2" RECESSED GROOVE OPENING TO ACCOMMODATE GRATING SUPPLIED BY OTHERS. 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: 950.5'		Rim to Invert: 4'		Slack: 0"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	949.43'	90°	14"	1.5" PVC SCH80	1.9"	Hole 2	2"	2"	35"	-18"	
Invert 2	946.79'	90°	32"	4" DI	4.75"	Hole 8	8"	8"	3.125"	0"	
Invert 3	946.5'	180°	11"	3" PVC SCH40	3.5"	Hole 5	5"	5"	-0.25"	-15"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



2"x2" Deep recess in the top of walls

Invert: 3
Degree: 180°
Horz: 3"
Hole: 5"
Up(): -0.25"

Invert: 2
Degree: 90°
Horz: 24"
Hole: 8"
Up(): 3.125"

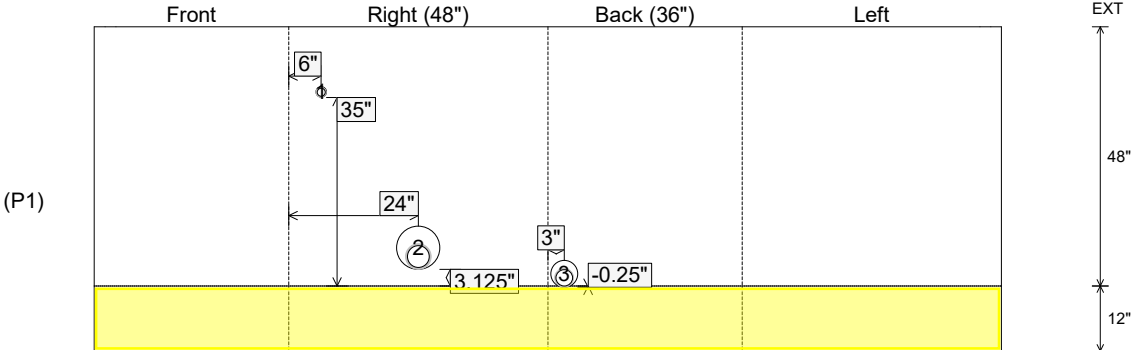
Invert: 1
Degree: 90°
Horz: 6"
Hole: 2"
Up(): 35"

13" Dia. x 4" deep Sump Pan w/ Lid cast-in the floor

UPSIDE-DOWN VIEW (int. dimenions)

1ST POUR (FLOOR) = 5,434 LBS
2ND POUR (WALLS) = 6,337 LBS

INSIDE WALL DIMENSIONS



Front Right (48") Back (36") Left

6" 35" 24" 3" 3.125" -0.25"

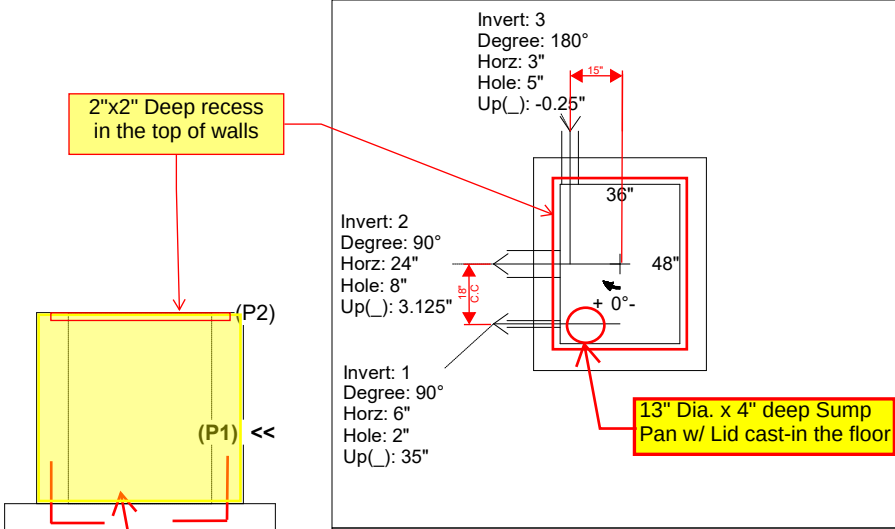
(P1)

EXT 48" 12"

Coating (Int): Coating (Ext):		Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 12"	Height (Int): 48" Height (Ext): 60"	Weight (Net): 11873 lb Volume (Net): 3.03cu.yd
----------------------------------	--	-------------------------------	---	--	---

Job Name: 26-1534 - Will Chancellor Rd Vaults Job Location: Stanford, KY Contractor: CITCO Water					Plant: 100 5/25/2026 11:54:24 AM		Tech: Jared - F PC: C. Goff			
Structure ID: Outlet Sump Basin										
P1 BX3648-08W12F08EF-BAVF					BX BASE W/FLANGE 8W/12F/8EF F/n					
P2) 36" x 48" - CASTING HEIGHT - 0" P1) 36" x 48" - BX BASE W/FLANGE 8W/12F/8EF - 48" 1) SECONDARY POUR - WALLS 1) Hole - 2 1) Hole - 8 1) Hole - 5					0 lb 11873 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 11873 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. 2"x2" RECESSED GROOVE OPENING TO ACCOMMODATE GRATING SUPPLIED BY OTHERS. 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: 950.5' Rim to Invert: 4' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	949.43'	90°	14"	1.5" PVC SCH80	1.9"	Hole 2	2"	2"	35"	-18"
Invert 2	946.79'	90°	32"	4" DI	4.75"	Hole 8	8"	8"	3.125"	0"
Invert 3	946.5'	180°	11"	3" PVC SCH40	3.5"	Hole 5	5"	5"	-0.25"	-15"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



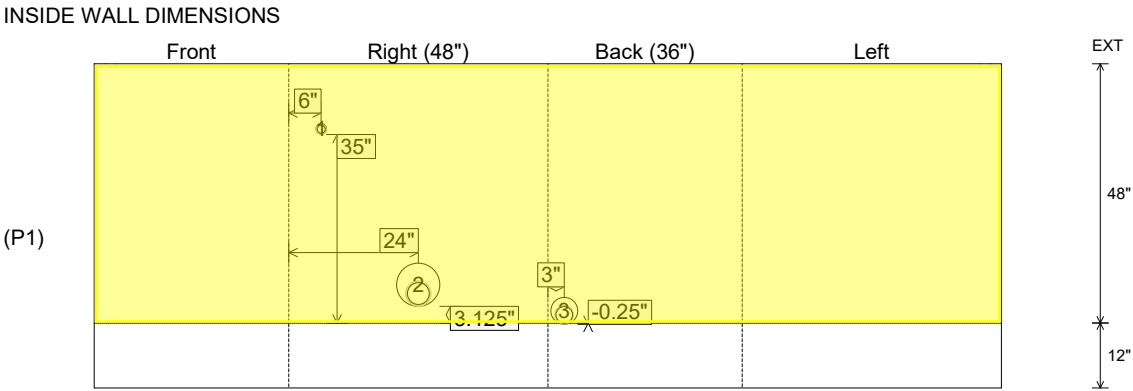
2"x2" Deep recess in the top of walls

2ND POUR (WALLS)

UPSIDE-DOWN VIEW (int. dimensions)

1ST POUR (FLOOR) = 5,434 LBS
 2ND POUR (WALLS) = 6,337 LBS

INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 8"	Height (Int): 48"	Weight (Net): 11873 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 12"	Height (Ext): 60"	Volume (Net): 3.03cu.yd

Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 1:01:03 PM

Tech: J. Horsley

PC: C. Golf



Structure ID: CBI-C2

P2 BX3660-08R-VH

BOX RISER 8inW, Variable Ht F/G

P5) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10"

P4) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18"

P3) 36" x 60" - CB FT REDUCER 24"X36" HOLE T/F - 8"

P2) 36" x 60" - BOX RISER 8inW, Variable Ht F/G - 42"

P1) 36" x 60" - BOX BASE 8inW, 8inF, Variable Ht T/n - 87"

1) CASTING - HOE KY-206 F/C (KY CBI A)

1) SNOUT - BMP SNOUT 30F w/ KIT

2) 36" x 60" - Conseal CS-102 1.00"

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

1) Hole - 32

1) DOGHOUSE INVRTD - 32"x29"

3398 lb

5270 lb

2073 lb

5521 lb

15195 lb

206 lb

25 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 31688 lb

Structure Notes:

1. PER KYTC CBI A / ASTM C913 SPEC'S.

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

3. CASTING (HOE KY-206) TO BE CAST INTO TOP PHASE.

4. BMP SNOUT 18F w/KIT.

REINFORCING PER ASTM AS615 (GRADE 60).

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

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

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

Rim: 884.19'

Rim to Invert: 9.79'

Slack: 0.48"

Sump: 48"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	878.92'	135°	42.75"	24" ADS N-12	28"	DOGHOUSE INVRTD 32"x29"	32" x 29"	45.255"	10.75"	-15"
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: 135°

Horz: 26.75"

Hole: 32" x 29"

Up(): 10.75"

36"

60"

0°

ADD 3 ETRA #5 U BARS BELOW THE HOLE AND LEAVE STYORFOAM IN PLACE

INSIDE WALL DIMENSIONS

Front

Back (36")

Left

26.75" (60")

2

10.75"

42"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 8"

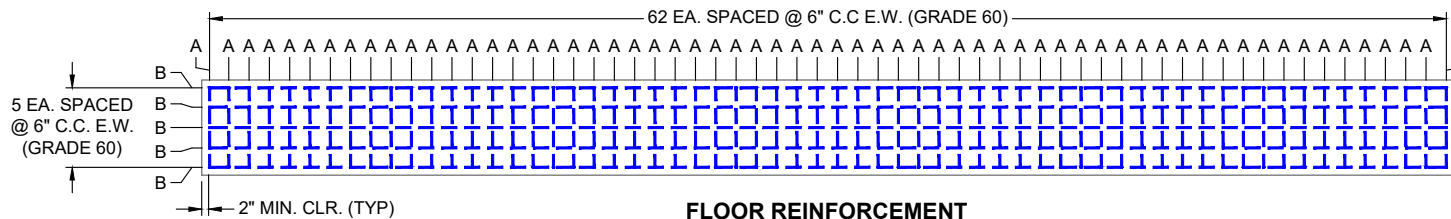
Floor Height: 0"

Height (Int): 42"

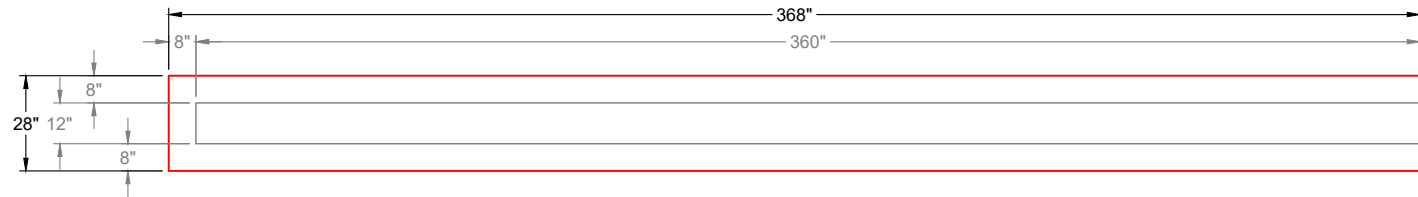
Height (Ext): 42"

Weight (Net): 5521 lb

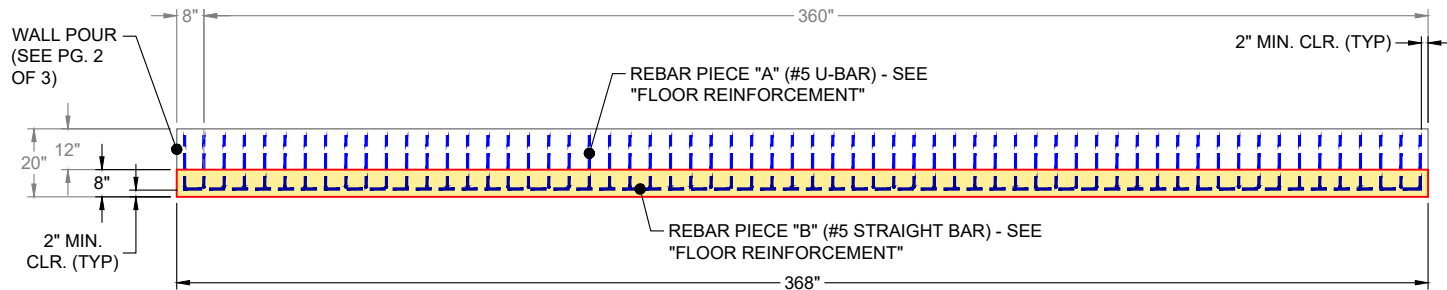
Volume (Net): 1.41cu.yd



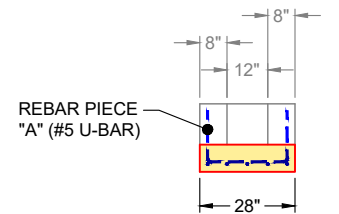
**FLOOR REINFORCEMENT
(PLAN VIEW)**



**PLAN VIEW
(RIGHT SIDE UP)**



**VIEW A
(RIGHT SIDE UP)**



**VIEW B
(RIGHT SIDE UP)**

GENERAL NOTES:

1. PER KYTC DBI TYPE 12 / ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- SEE "FLOOR REINFORCEMENT" ON THIS PAGE & REBAR DETAILS ON PG. 3 FOR ADDITIONAL INFORMATION
4. TOTAL WEIGHT: 12,943 LBS
- FIRST POUR (FLOOR): 6,917 LBS
- SECOND POUR (WALLS): 6,026 LBS
5. SEE PG. 2 OF 3 FOR SECOND POUR (WALL POUR)

PRODUCTION WORK ORDER

PRODUCT I.D.: BX012360-08BAVF

DESCRIPTION: 368" X 28" X 8" THICK BASE FLOOR (FIRST POUR)



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ CORRECT THICKNESS.
- ☐ REINFORCING CORRECT.
- ☐ #5 U-BAR STUBS CORRECT.
- ☐ BASE MAT CORRECT.
- ☐ PRODUCT SQUARE.

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: EDMONSON PLUMBING & HEATING SUPPLY

PLANT: BEAVER DAM, KY

PROJECT: BUCK HILLS SUBDIVISION

WEIGHT: 6,917 LBS (12,943 LBS TOTAL)

STRUCTURE: ICAST LI10

TOP SECTION JOINT: N / A

ORDER NO: 25-3241

BASE SECTION JOINT: FLAT

PE: J.H. ROSS

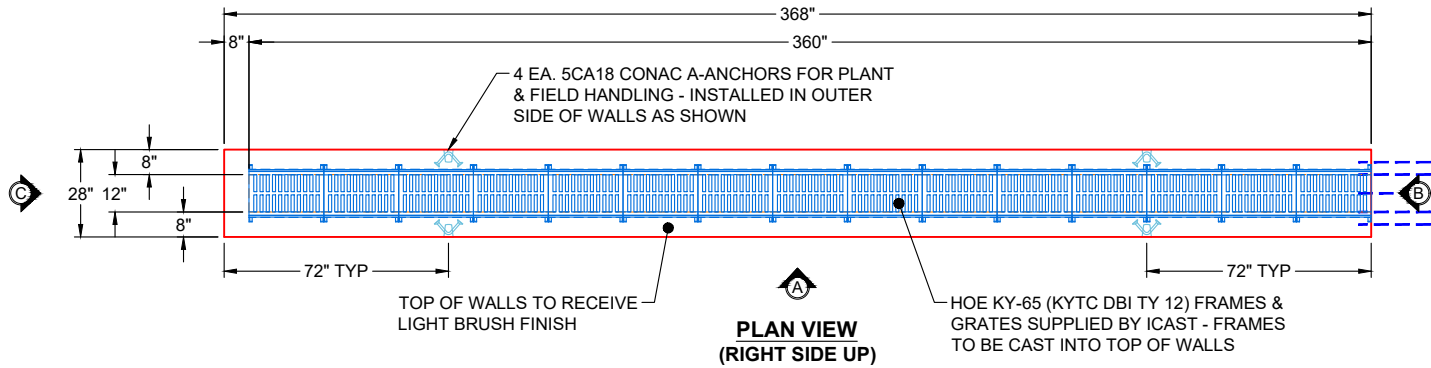
DRAWING: K. CARDWELL

QC CHECK INITIALS:

DATE: 05/19/26

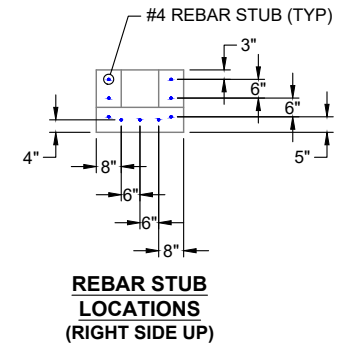
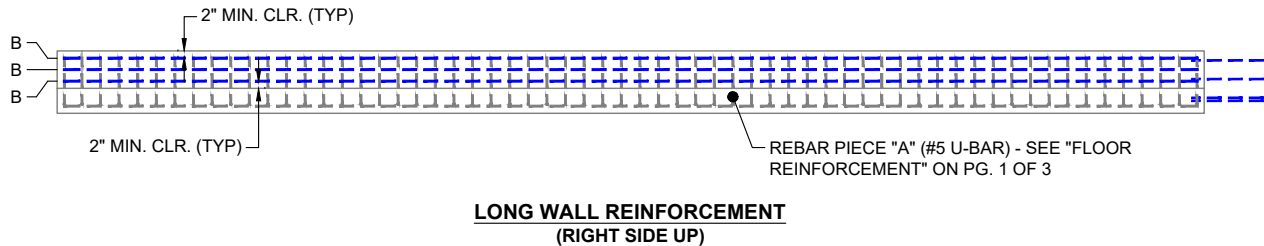
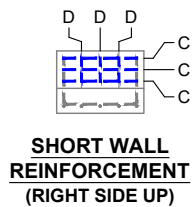
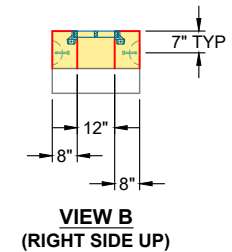
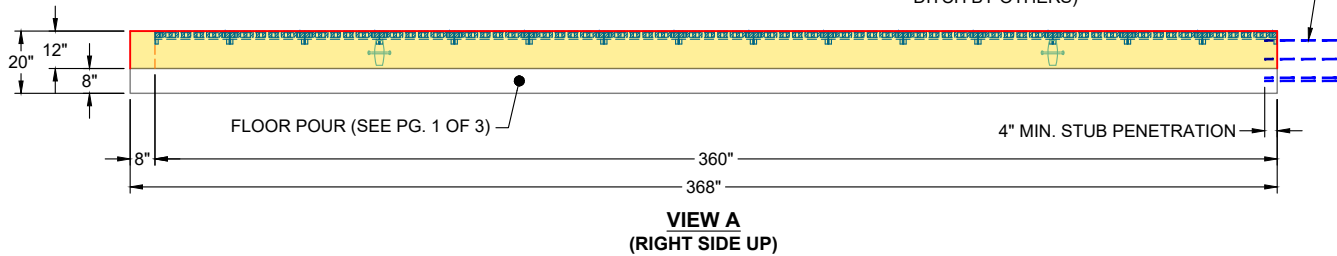
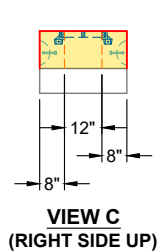
SCALE: NTS

PG. 1 OF 3



GENERAL NOTES:

1. PER KYTC DBI TYPE 12 / ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- SEE "LONG WALL REINFORCEMENT", "SHORT WALL REINFORCEMENT", & "REBAR STUB LOCATIONS" ON THIS PAGE & REBAR DETAILS ON PG. 3 FOR ADDITIONAL INFORMATION
4. HOE KY-65 (KYTC DBI TY 12) FRAMES & GRATES SUPPLIED BY ICAST - FRAMES TO BE CAST INTO TOP OF WALLS
6. TOTAL WEIGHT: 12,943 LBS
- FIRST POUR (FLOOR): 6,917 LBS
- SECOND POUR (WALLS): 6,026 LBS
7. SEE PG. 1 OF 3 FOR FIRST POUR (FLOOR POUR)



PRODUCTION WORK ORDER

PRODUCT I.D.: BX012360-08BAVF

DESCRIPTION: 360" X 12" X 12" BASE WALLS (SECOND POUR)



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ CORRECT THICKNESS.
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ EDGES CHAMFERED.
- ☐ ALL PATCHWORK ACCEPTABLE.

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 6,026 LBS (12,943 LBS TOTAL)

TOP SECTION JOINT: N / A

BASE SECTION JOINT: FLAT

QC CHECK INITIALS:

CUSTOMER: EDMONSON PLUMBING & HEATING SUPPLY

PROJECT: BUCK HILLS SUBDIVISION

STRUCTURE: ICAST LI10

ORDER NO: 25-3241

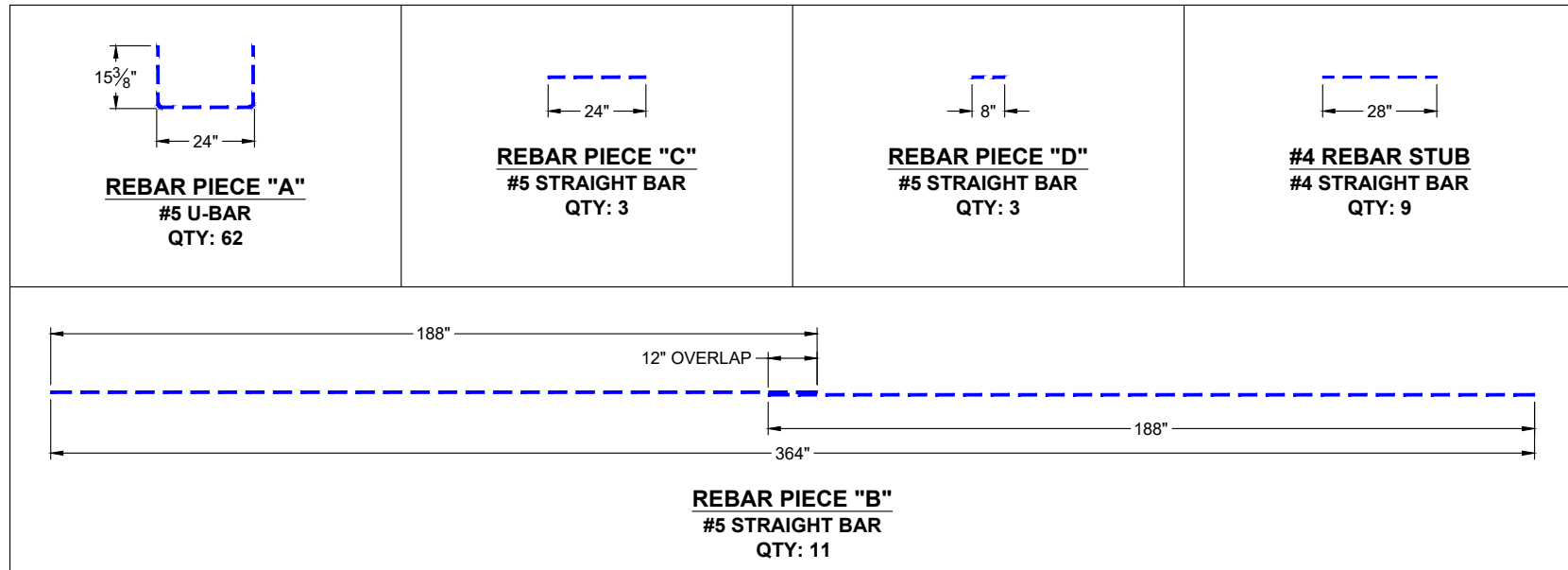
PE: J.H. ROSS

DRAWING: K. CARDWELL

DATE: 05/19/26

SCALE: NTS

PG. 2 OF 3



PRODUCTION WORK ORDER		PRODUCT I.D.: BX012360-08BAVF	DESCRIPTION: 360" X 12" X 12" BASE - REBAR DETAILS	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ CORRECT THICKNESS. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: EDMONSON PLUMBING & HEATING SUPPLY	
		PLANT: BEAVER DAM, KY	PROJECT: BUCK HILLS SUBDIVISION	
		WEIGHT: 12,943 LBS TOTAL	STRUCTURE: ICAST LI10	
		TOP SECTION JOINT: N / A	ORDER NO: 25-3241	
		BASE SECTION JOINT: FLAT	PE: J.H. ROSS	DRAWING: K. CARDWELL
		QC CHECK INITIALS:	DATE: 05/19/26	SCALE: NTS PG. 3 OF 3

Job Number:

25-3241

Job Name:

Buck Hills Subdivision

Structure:

ICAST LI10

Note:

HOE KY-65 Frames Supplied By
iCast To Be Cast Into Top of Walls