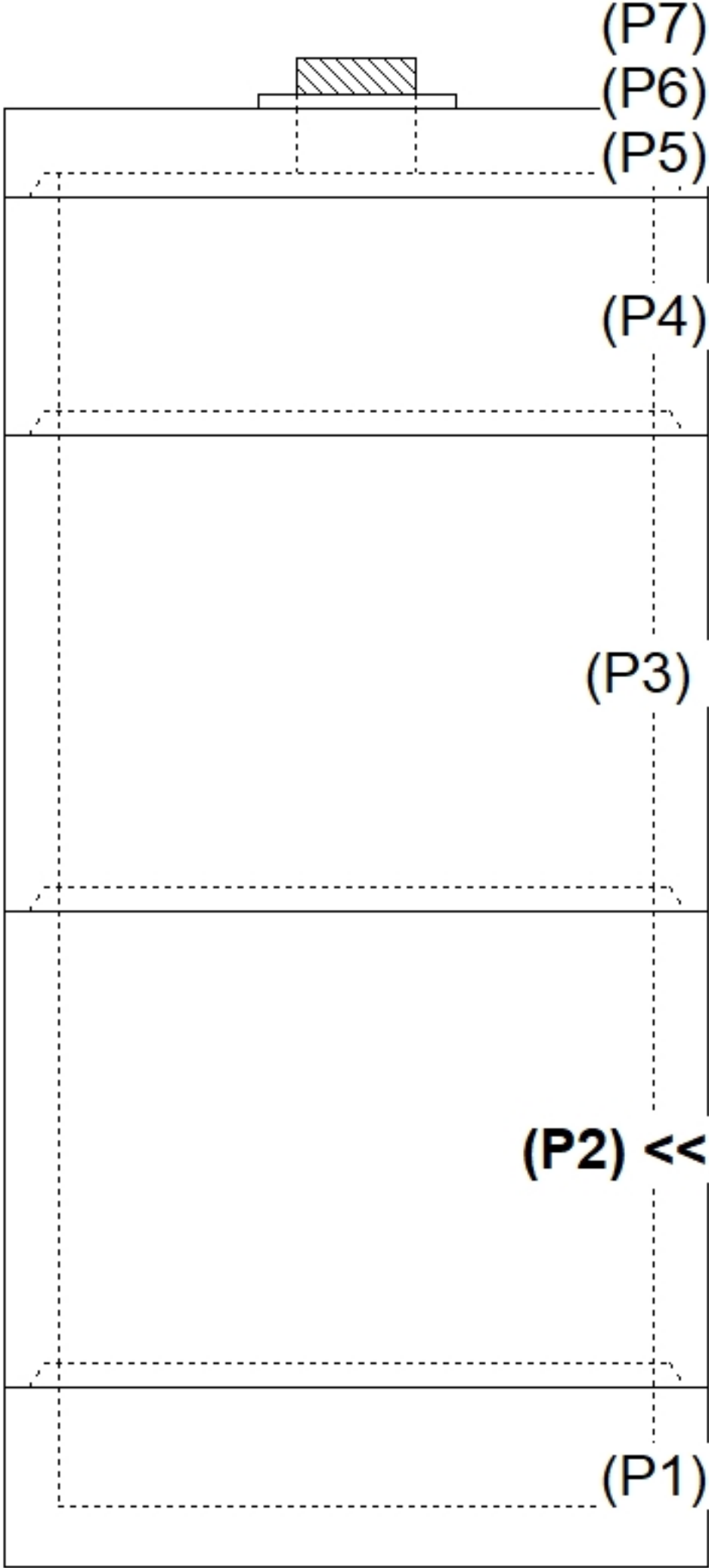
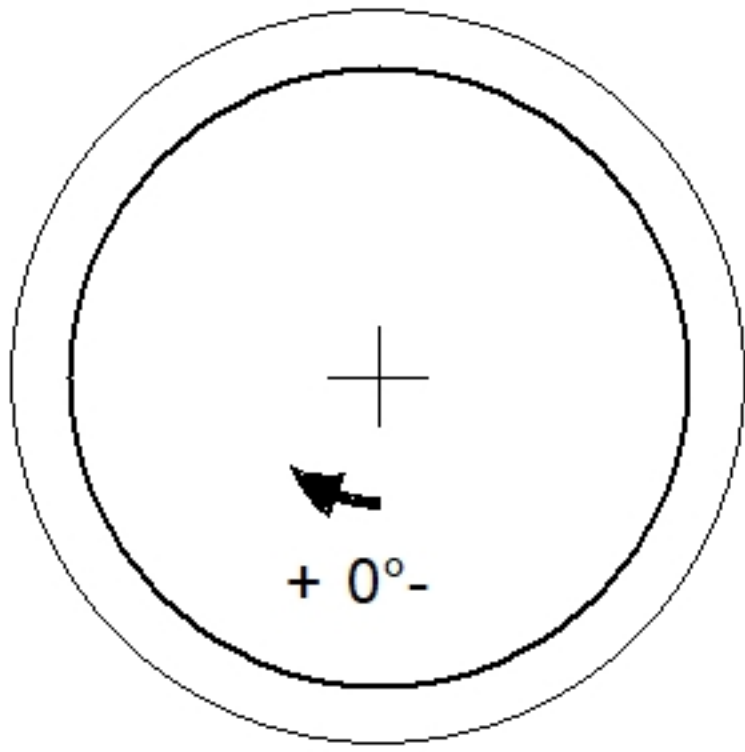
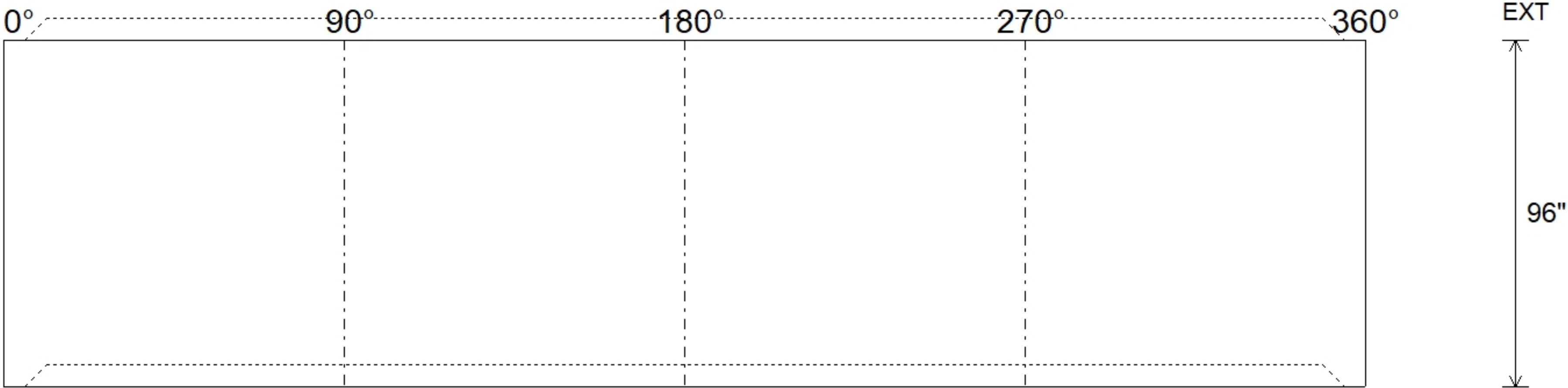
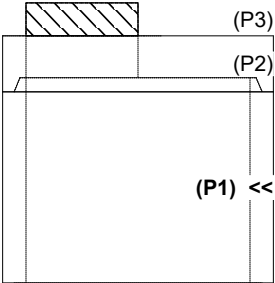
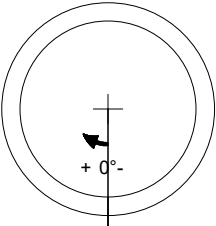
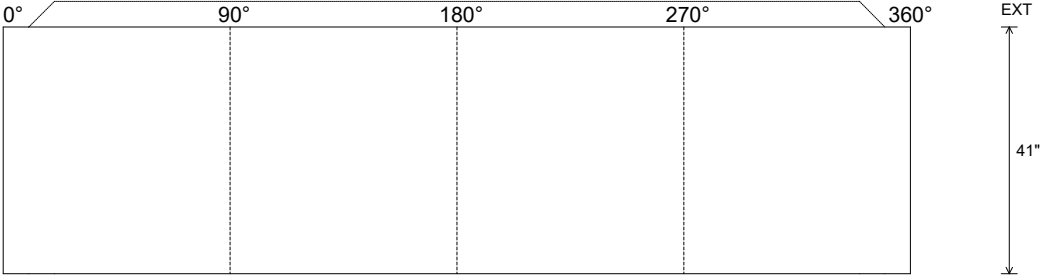


Job Name: 26-3051 ADS Aiken Ridge Ph.2 Job Location: Louisville, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 7/27/2026 1:51:01 PM		Tech: S. Felletter PC: T. Ryan						
Structure ID: WQU2													
P2			MH120RS96			MH RISER T/G							
P7) 24" - CASTING HEIGHT - 7" P6) 24" - GRADE RING F/F - 3" P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18" P4) 120" - MH RISER T/G - 48" P3) 120" - MH RISER T/G - 96" P2) 120" - MH RISER T/G - 96" P1) 120" - MH BASE T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ASSEMBLY REQUIRED - BRACKETS ONLY 1) CASTING - HOE MC-420 F/C Storm LOU-MSD 4) 120" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 2) Hole - 24						0 lb 202 lb 16678 lb 18234 lb 35438 lb 36468 lb 25064 lb 0 lb 0 lb 0 lb 340 lb 0 lb 0 lb 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-420 F/C LOU-MSD "STORM"). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. 5. ASSEMBLY REQUIRED - BRACKETS ONLY. . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .36) - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.					
Rim: 643.5' Rim to Invert: 10.85' Slack: 0.2" Sump: 162" Step Position:						Structure Total: 132424 lb							
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)													
													
			INSIDE WALL DIMENSIONS										
													
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 11" Floor Height: 0"		Height (Int): 96" Height (Ext): 96"		Weight (Net): 36468 lb Volume (Net): 9.32cu.yd			

Job Name: 26-1814 - Brownsville Sewer System Additions Job Location: Cave City, KY Contractor: Luttrell & Sons, LLC					Plant: 100 7/31/2026 1:28:09 PM		Tech: Jared - F PC: A. Chambers			
Structure ID: 33+50 ARV										
P1 MH048DHVF			MH DH RISER Custom Ht T/F							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH DH RISER Custom Ht T/F - 41" 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) Hole - 0					0 lb 1561 lb 2864 lb 271 lb 0 lb 0 lb 0 lb ----- Structure Total: 4696 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY") REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12)			
Rim: 5' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	0'	0°	0"	0" No Hole	0.01"	Hole 0	0"	0"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										
 (P3) (P2) (P1) << RIGHT-SIDE UP VIEW (int. dimensions)  Invert: 1 Degree: 0° Horz: 0" Hole: 0" Up(_): 0" UPSIDE-DOWN VIEW (int. dimenions)										
INSIDE WALL DIMENSIONS  (P1)										
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: Flat		Wall Thickness: 5" Floor Height: 0"		Height (Int): 41" Height (Ext): 41"		Weight (Net): 2864 lb Volume (Net): 0.73cu.yd	

Job Name: 26-1814 - Brownsville Sewer System Additions

Job Location: Cave City, KY

Contractor: Luttrell & Sons, LLC

Plant: 100

7/31/2026 1:28:08 PM

Tech: Jared - F

PC: A. Chambers



Structure ID: 1+50 ARV

P1 MH048DHVF

MH DH RISER Custom Ht T/F

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"

P1) 48" - MH DH RISER Custom Ht T/F - 41"

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

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

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

1) Hole - 0

0 lb

1561 lb

2864 lb

271 lb

0 lb

0 lb

0 lb

Structure Total: 4696 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. NO STEPS.

4. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY")

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB = H20 LOADING.

- RISER/WALLS (As .12)

Rim: 5'

Rim to Invert: 5'

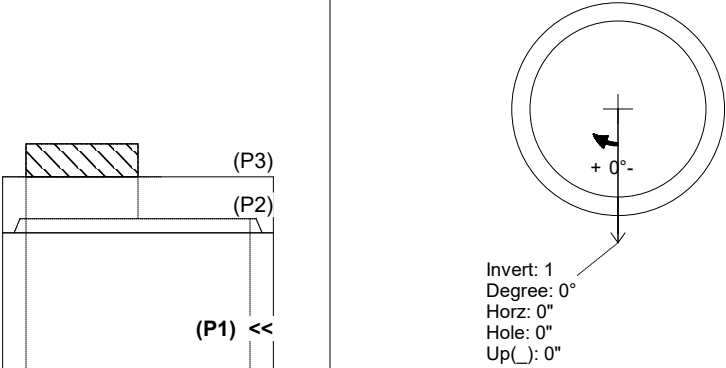
Slack: 0"

Sump: 0"

Step Position:

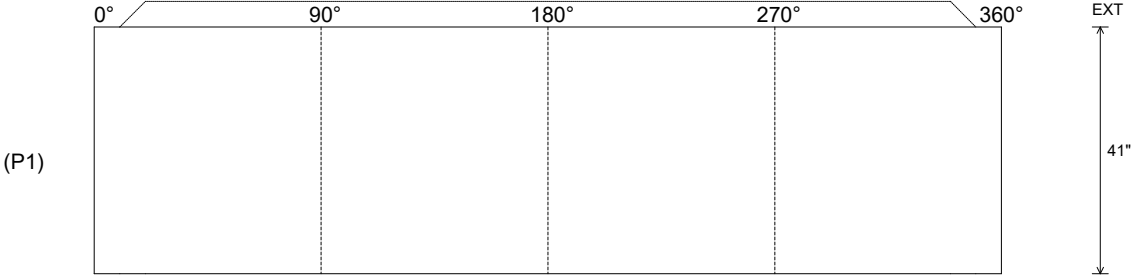
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	0'	0°	0"	0" No Hole	0.01"	Hole 0	0"	0"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Flat

Wall Thickness: 5"

Floor Height: 0"

Height (Int): 41"

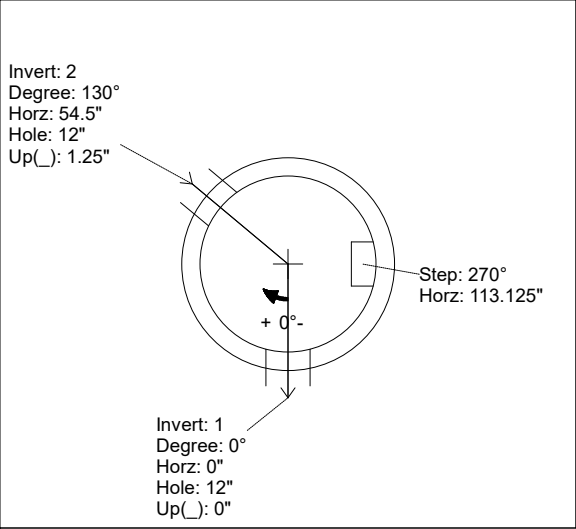
Height (Ext): 41"

Weight (Net): 2864 lb

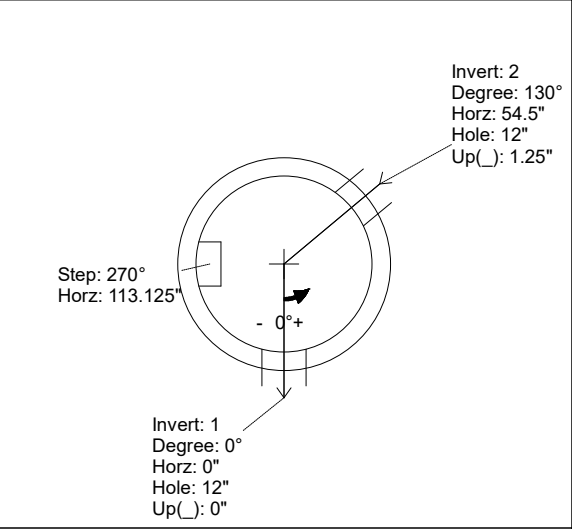
Volume (Net): 0.73cu.yd

Job Name: 26-1814 - Brownsville Sewer System Additions Job Location: Cave City, KY Contractor: Luttrell & Sons, LLC					Plant: 100 7/31/2026 1:28:16 PM		Tech: Jared - F PC: A. Chambers				
Structure ID: 0+10 SS-MH											
P1 MH048BA30		MH BASE T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - CON CONE w/24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 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 2252 lb 2515 lb 3330 lb 0 lb 1440 lb 0 lb 271 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 9824 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY") REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 545.5'		Rim to Invert: 8.1'		Slack: 2.2"		Sump: 2"		Step Position: 270			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	537.4'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	537.5'	130°	65.75"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

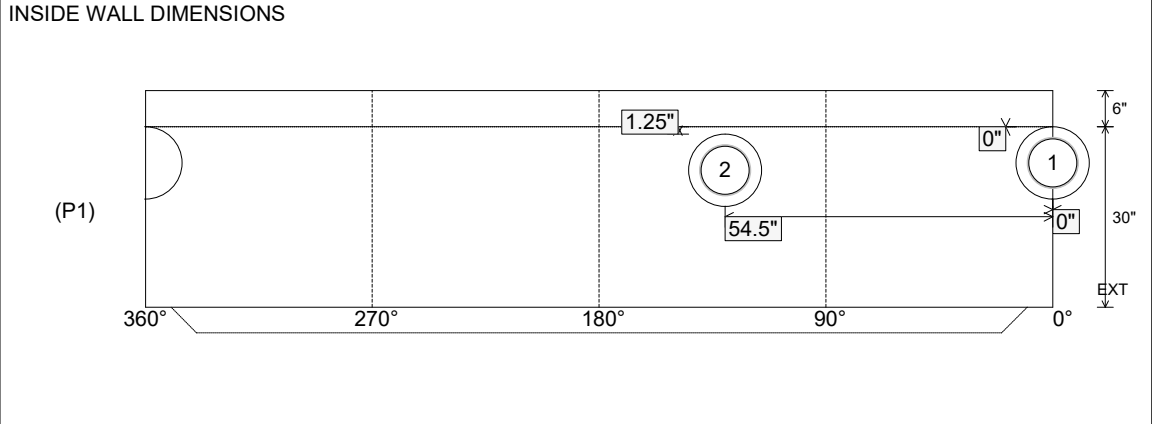
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
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Job Name: 26-1814 - Brownsville Sewer System Additions

Job Location: Cave City, KY

Contractor: Luttrell & Sons, LLC

Plant: 100

7/31/2026 1:28:16 PM

Tech: Jared - F

PC: A. Chambers

Structure ID: 0+10 SS-MH

P1 MH048BA30

MH BASE T/n

P4) 24" - CASTING HEIGHT - 7"

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

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

P1) 48" - MH BASE T/n - 30"

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

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

1) 48" - Conseal CS-102 1.00"

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

2252 lb

2515 lb

3330 lb

0 lb

1440 lb

0 lb

271 lb

0 lb

0 lb

0 lb

16 lb

0 lb

Structure Total: 9824 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY")

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 545.5'

Rim to Invert: 8.1'

Slack: 2.2"

Sump: 2"

Step Position: 270

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	537.4'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	537.5'	130°	65.75"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2

Degree: 130°

Horz: 54.5"

Hole: 12"

Up(): 1.25"

FOR INVERT ONLY

Invert: 1

Degree: 0°

Horz: 0"

Hole: 12"

Up(): 0"

Step: 270°

Horz: 113.125"

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2

Degree: 130°

Horz: 54.5"

Hole: 12"

Up(): 1.25"

Step: 270°

Horz: 113.125"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 12"

Up(): 0"

INSIDE WALL DIMENSIONS

360°

270°

180°

90°

0°

1.25"

54.5"

0"

0"

6"

30"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 30"

Height (Ext): 36"

Weight (Net): 3330 lb

Volume (Net): 0.85cu.yd

Job Name: 26-1814 - Brownsville Sewer System Additions Job Location: Cave City, KY Contractor: Luttrell & Sons, LLC					Plant: 100		Tech: Jared - F			
					7/31/2026 1:28:16 PM		PC: A. Chambers			
Structure ID: QL5 SS-MH										
P1 MH048BA36			MH BASE T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 4" P2) 48" - CON CONE w/24" HOLE F/G - 36" P1) 48" - MH BASE T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 2) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2252 lb 3749 lb 0 lb 1440 lb 0 lb 271 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 7999 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY") REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 496' Rim to Invert: 6.9' Slack: 1.8" Sump: 2" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	489.1'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	489.4'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	3.625"	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): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 26-1814 - Brownsville Sewer System Additions

Job Location: Cave City, KY

Contractor: Luttrell & Sons, LLC

Plant: 100

7/31/2026 1:28:16 PM

Tech: Jared - F

PC: A. Chambers



Structure ID: QL5 SS-MH

P1 MH048BA36

MH BASE T/n

P4) 24" - CASTING HEIGHT - 7"

P3) 24" - GRADE RING F/F - 4"

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

P1) 48" - MH BASE T/n - 36"

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

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

1) 48" - Conseal CS-102 1.00"

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

2) PSX - 12-08 NYLO

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

0 lb

270 lb

2252 lb

3749 lb

0 lb

1440 lb

0 lb

271 lb

0 lb

0 lb

16 lb

0 lb

Structure Total: 7999 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY")

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 496'

Rim to Invert: 6.9'

Slack: 1.8"

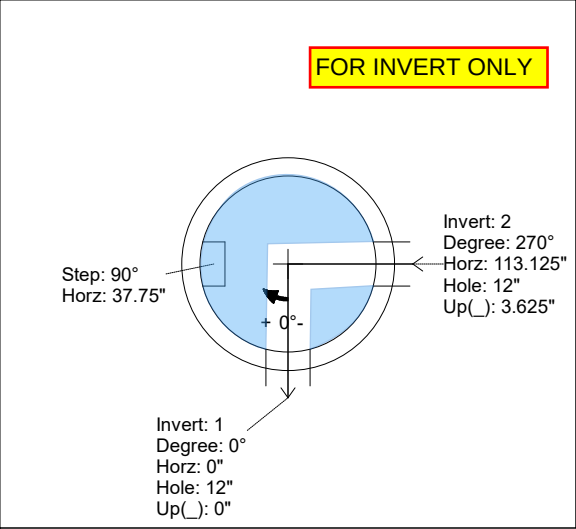
Sump: 2"

Step Position: 90°

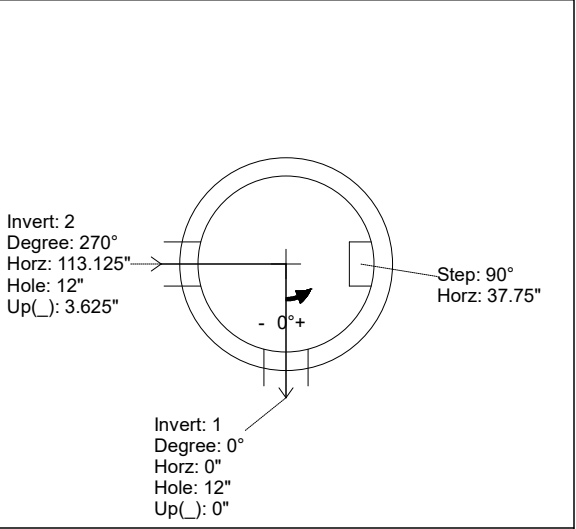
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	489.1'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	489.4'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	3.625"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

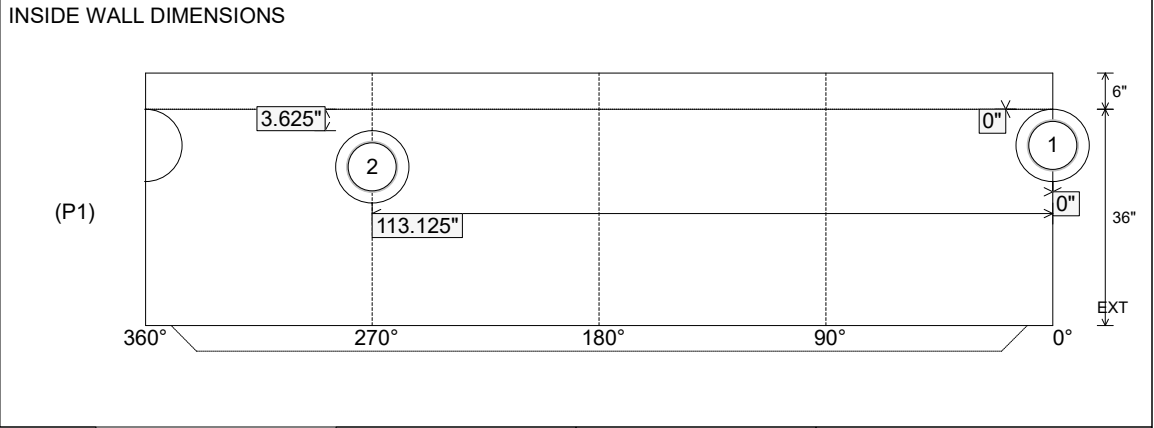
FOR INVERT ONLY



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

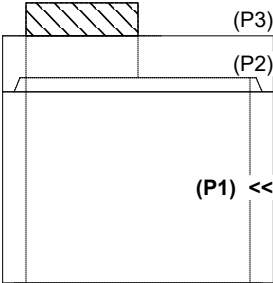
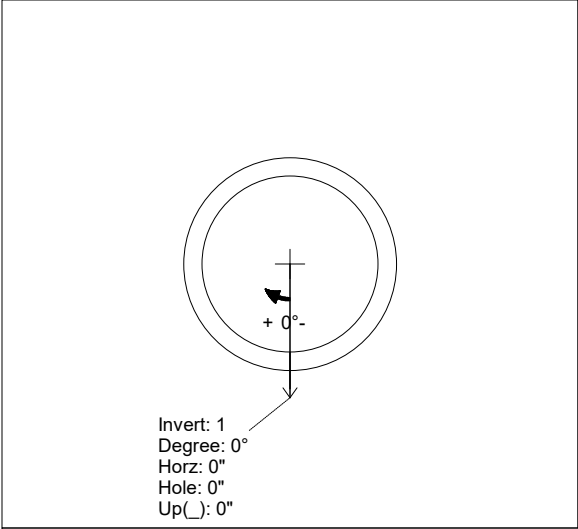
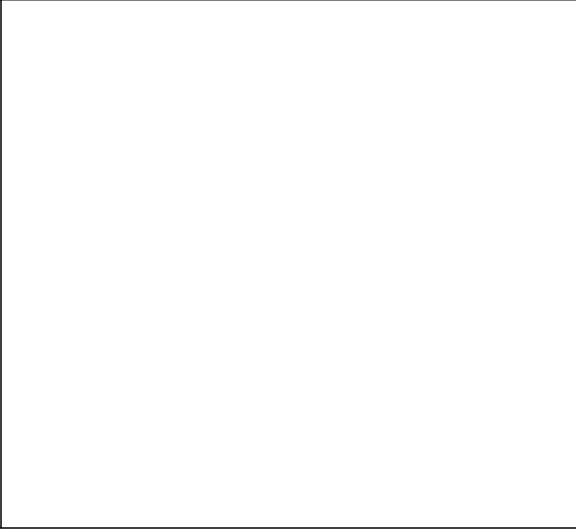
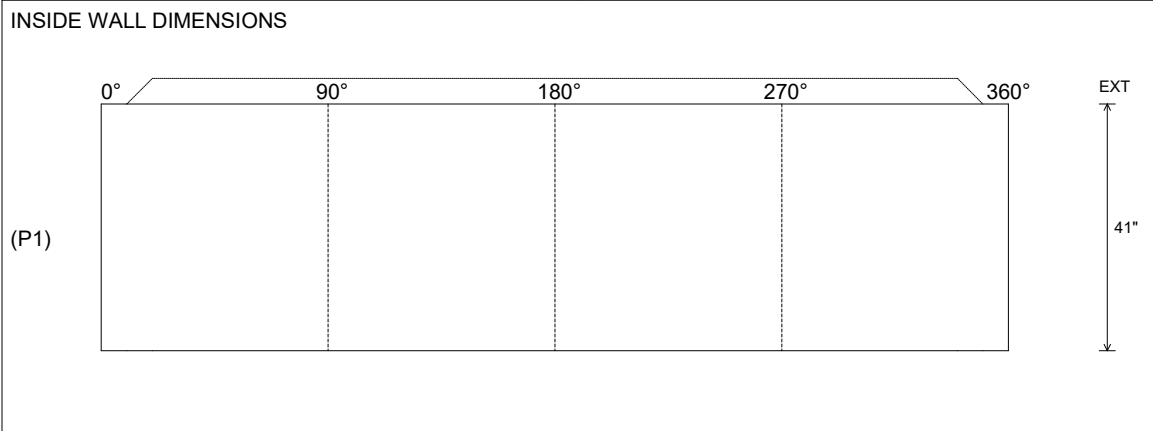
Floor Height: 6"

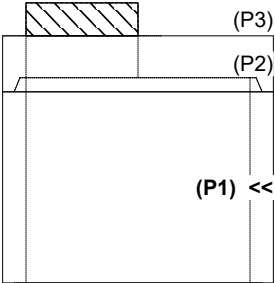
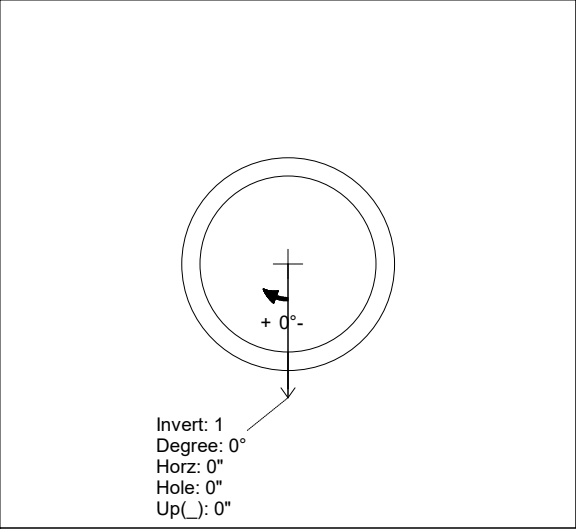
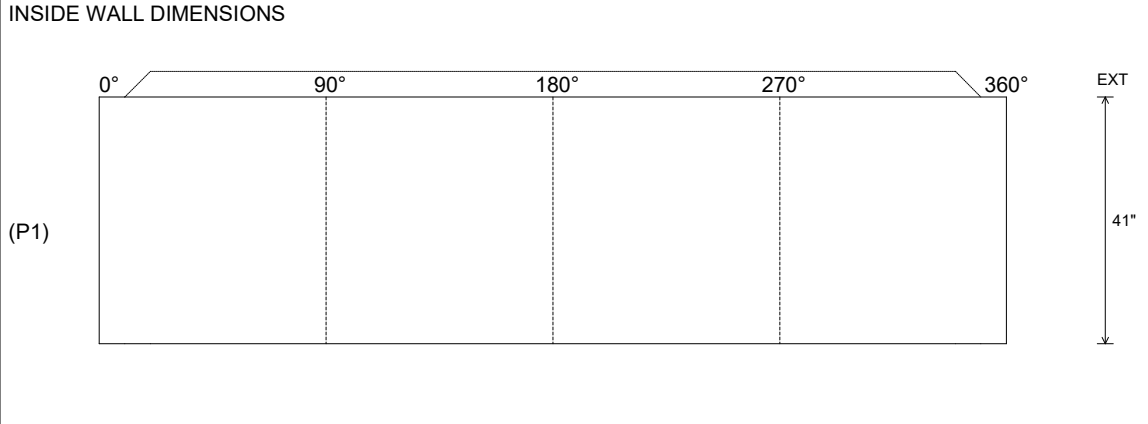
Height (Int): 36"

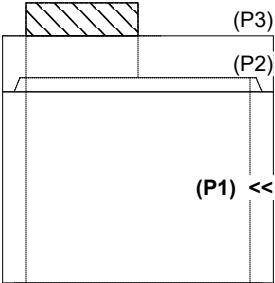
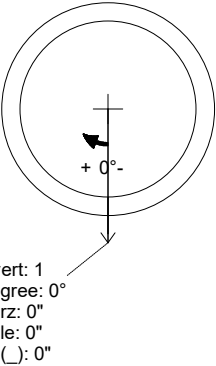
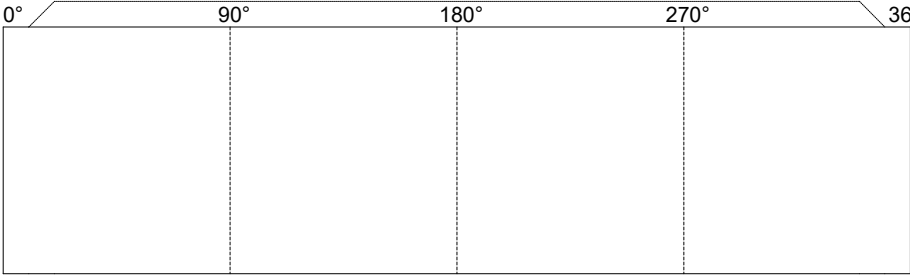
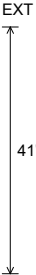
Height (Ext): 42"

Weight (Net): 3749 lb

Volume (Net): 0.96cu.yd

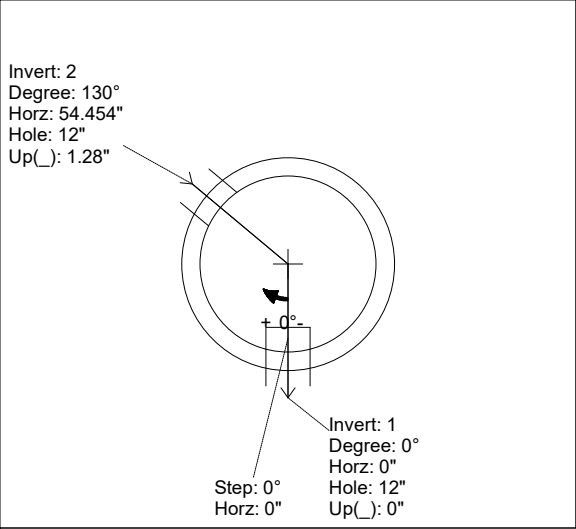
Job Name: 26-1814 - Brownsville Sewer System Additions Job Location: Cave City, KY Contractor: Luttrell & Sons, LLC					Plant: 100 7/31/2026 1:28:11 PM		Tech: Jared - F PC: A. Chambers			
Structure ID: 65+50 ARV										
P1 MH048DHVF			MH DH RISER Custom Ht T/F							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH DH RISER Custom Ht T/F - 41" 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) Hole - 0					0 lb 1561 lb 2864 lb 271 lb 0 lb 0 lb 0 lb ----- Structure Total: 4696 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY") REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12)			
Rim: 5' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	0'	0°	0"	0" No Hole	0.01"	Hole 0	0"	0"	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: Tongue Seam Dn: Flat		Wall Thickness: 5" Floor Height: 0"		Height (Int): 41" Height (Ext): 41"		Weight (Net): 2864 lb Volume (Net): 0.73cu.yd	

Job Name: 26-1814 - Brownsville Sewer System Additions Job Location: Cave City, KY Contractor: Luttrell & Sons, LLC					Plant: 100 7/31/2026 1:28:10 PM		Tech: Jared - F PC: A. Chambers					
Structure ID: 49+63 ARV												
P1		MH048DHVF									MH DH RISER Custom Ht T/F	
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH DH RISER Custom Ht T/F - 41" 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) Hole - 0					0 lb 1561 lb 2864 lb 271 lb 0 lb 0 lb 0 lb ----- Structure Total: 4696 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY") REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12)					
Rim: 5'		Rim to Invert: 5'		Slack: 0"		Sump: 0"		Step Position:				
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	0'	0°	0"	0" No Hole	0.01"	Hole 0	0"	0"	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: Tongue Seam Dn: Flat		Wall Thickness: 5" Floor Height: 0"		Height (Int): 41" Height (Ext): 41"		Weight (Net): 2864 lb Volume (Net): 0.73cu.yd			

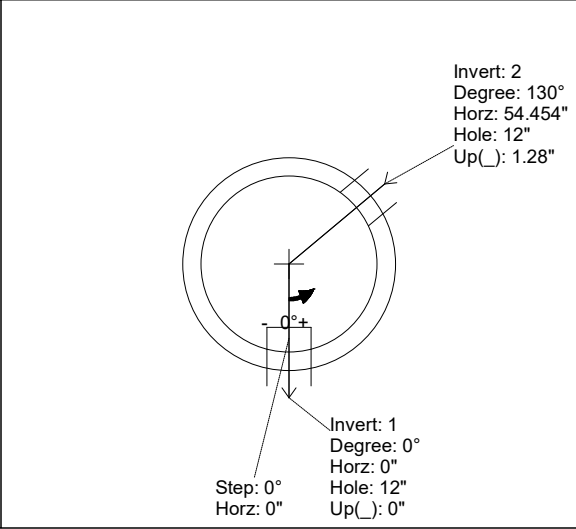
Job Name: 26-1814 - Brownsville Sewer System Additions Job Location: Cave City, KY Contractor: Luttrell & Sons, LLC					Plant: 100 7/31/2026 1:28:10 PM		Tech: Jared - F PC: A. Chambers			
Structure ID: 31+31 ARV										
P1 MH048DHVF			MH DH RISER Custom Ht T/F							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH DH RISER Custom Ht T/F - 41" 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) Hole - 0					0 lb 1561 lb 2864 lb 271 lb 0 lb 0 lb 0 lb ----- Structure Total: 4696 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY") REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12)			
Rim: 5' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	0'	0°	0"	0" No Hole	0.01"	Hole 0	0"	0"	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: Tongue Seam Dn: Flat		Wall Thickness: 5" Floor Height: 0"		Height (Int): 41" Height (Ext): 41"		Weight (Net): 2864 lb Volume (Net): 0.73cu.yd	

Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:44:02 PM		Tech: Jared - A PC: C. Goff			
Structure ID: MH C5										
P1 MH048BAEVF		MH BASE w/FLANGE (08F/08EF)								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 36" P1) 48" - MH BASE w/FLANGE (08F/08EF) - 31" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO					0 lb 3000 lb 4957 lb 0 lb 0 lb 1440 lb 340 lb 0 lb 0 lb 8 lb 8 lb		Structure Notes: 1. HOE MC-420 F/C SANITARY PROVIDED BY ICAST 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Structure Total: 9753 lb										
Rim: 839.81' Rim to Invert: 6' Slack: 0" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	833.81'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	834'	130°	65.799"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.28"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

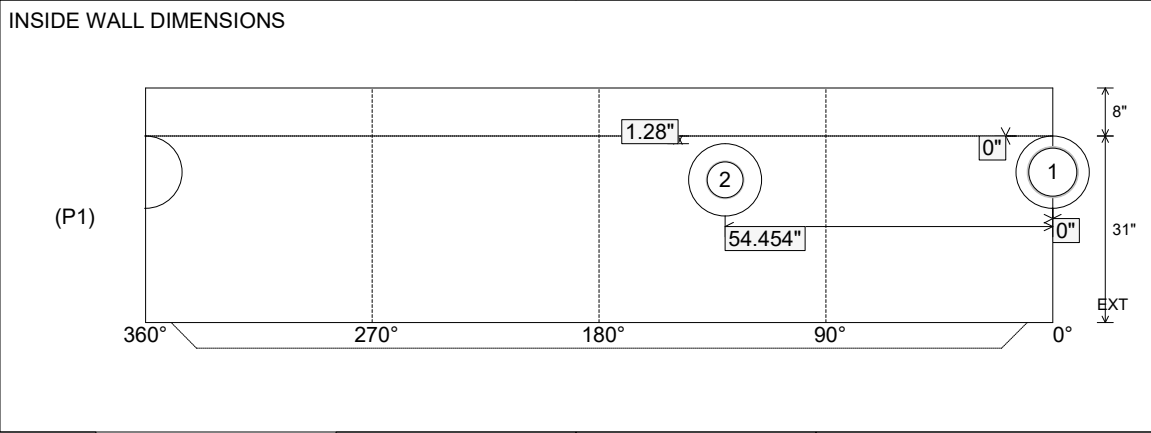
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



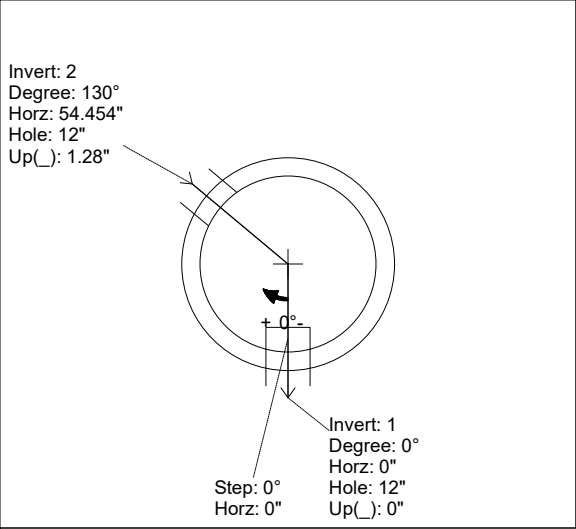
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 31" Height (Ext): 39"	Weight (Net): 4957 lb Volume (Net): 1.27cu.yd
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Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:44:02 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH C5											
P1 MH048BAEVF		MH BASE w/FLANGE (08F/08EF)									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 36" P1) 48" - MH BASE w/FLANGE (08F/08EF) - 31" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO					0 lb 3000 lb 4957 lb 0 lb 0 lb 1440 lb 340 lb 0 lb 0 lb 8 lb 8 lb		Structure Notes: 1. HOE MC-420 F/C SANITARY PROVIDED BY ICAST 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W. INVERT CHANNEL DRAWING FULL HEIGHT INVERT				
Structure Total: 9753 lb											
Rim: 839.81' Rim to Invert: 6' Slack: 0" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	833.81'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	834'	130°	65.799"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.28"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)

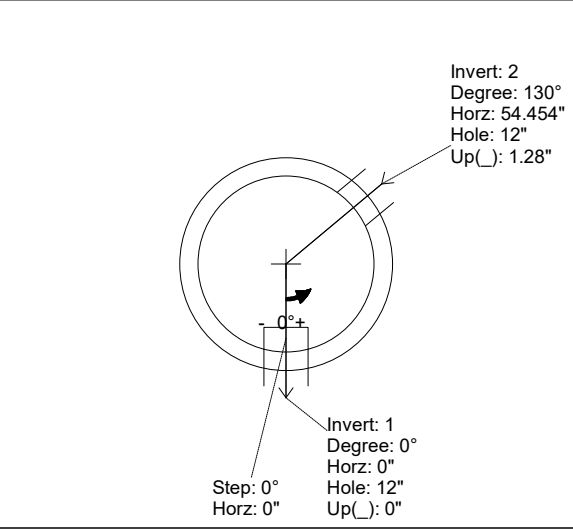


Invert: 2
Degree: 130°
Horz: 54.454"
Hole: 12"
Up(): 1.28"

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

Step: 0°
Horz: 0"

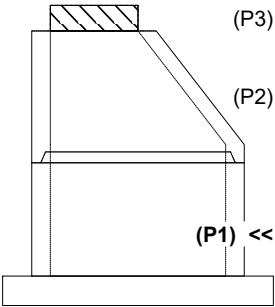
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2
Degree: 130°
Horz: 54.454"
Hole: 12"
Up(): 1.28"

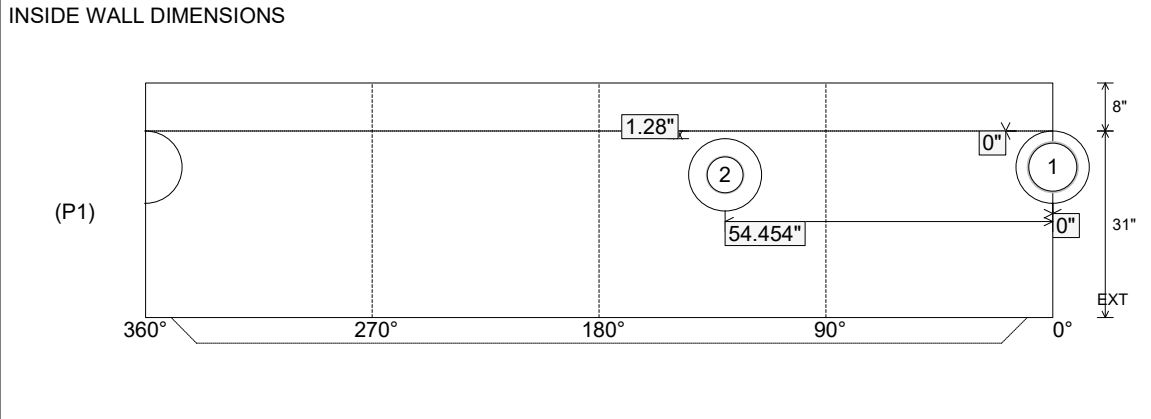
Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

Step: 0°
Horz: 0"



(P3)
(P2)
(P1) <<

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

1.28" 54.454" 0" 0"

8" 31" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 31" Height (Ext): 39"	Weight (Net): 4957 lb Volume (Net): 1.27cu.yd
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Job Name: 26-1322B - KYTC Warren Co Call 104 (261503) Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC					Plant: 100 4/21/2026 3:37:01 PM		Tech: Jared - A PC: Celina Goff				
Structure ID: 246-87 SS-MH											
P2 MH048RS48S			MH RISER SPECIAL T/G								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER SPECIAL T/G - 48" P1) 48" - MH BASE (08"F) T/n - 38" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-28 1) PSX - 12-06 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 3305 lb 3883 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 8 lb 0 lb ----- Structure Total: 10470 lb		Structure Notes: 1. PER KYTC & ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 0 DEGREES 5. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST				
Rim: 479.98' Rim to Invert: 9.83' Slack: 2.96" 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	475.67'	296°	149.875"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	23"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 48" Height (Ext): 48"	Weight (Net): 3305 lb Volume (Net): 0.84cu.yd
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Job Name: 26-1322B - KYTC Warren Co Call 104 (261503) Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC					Plant: 100 4/21/2026 2:25:13 PM		Tech: Jared - A PC: Celina Goff				
Structure ID: 178-83 SS-MH											
P1		MH048BAVF		MH BASE (08"F) T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE (08"F) T/n - 44" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-28 5) MH Step ML-10-TDS-NCR - 10"						0 lb 3000 lb 4302 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 0 lb		Structure Notes: 1. PER KYTC & ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST			
Structure Total: 9026 lb											
Rim: 475.96' Rim to Invert: 7.18' Slack: 1.16" Sump: 2" Step Position: 0											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	468.78'	0°	0"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	0"	0"	
Invert 2	468.88'	171°	86.5"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 171°
Horz: 71.625"
Hole: 28"
Up(): 1.25"

Step: 0°
Horz: 0"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 28"
Up(): 0"

INSIDE WALL DIMENSIONS

(P1)

2

1

1.25"

0"

71.625"

0"

360°

270°

180°

90°

0°

8"

44"

EXT

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 8"

Height (Int): 44"
Height (Ext): 52"

Weight (Net): 4302 lb
Volume (Net): 1.1cu.yd

Job Name: 26-1322B - KYTC Warren Co Call 104 (261503) Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC				Plant: 100 4/21/2026 2:25:13 PM		Tech: Jared - A PC: Celina Goff				
Structure ID: 178-83 SS-MH										
P1 MH048BAVF				MH BASE (08"F) T/n						
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE (08"F) T/n - 44" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-28 5) MH Step ML-10-TDS-NCR - 10" 0 lb 3000 lb 4302 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 0 lb ----- Structure Total: 9026 lb						Structure Notes: 1. PER KYTC & ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST				
Rim: 475.96' Rim to Invert: 7.18' Slack: 1.16' Sump: 2" Step Position: 0										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	468.78'	0°	0"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	0"	0"
Invert 2	468.88'	171°	86.5"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

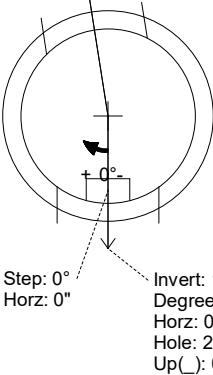
(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 171°
Horz: 71.625"
Hole: 28"
Up(_): 1.25"



Step: 0°
Horz: 0"

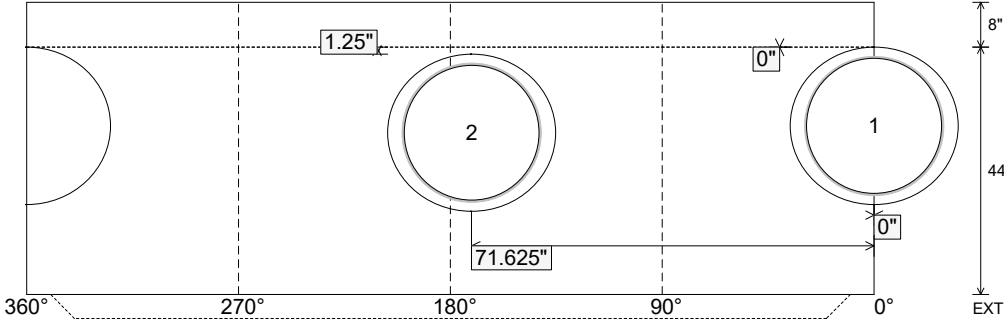
Invert: 1
Degree: 0°
Horz: 0"
Hole: 28"
Up(_): 0"

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL
DRAWING

INSIDE WALL DIMENSIONS

(P1)



360° 270° 180° 90° 0°

8" 44" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 44" Height (Ext): 52"	Weight (Net): 4302 lb Volume (Net): 1.1cu.yd
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Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures

Job Location: Bowling Green, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/11/2026 9:19:10 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: DBI-17

P1MH060BA60MH BASE T/n

P4) 24" x 30" - CASTING HEIGHT - 3.50"

P3) 60" - MH FLAT TOP w/24"x30" Hole F/G - 13"

P2) 60" - MH RISER Custom Ht T/G - 25"

P1) 60" - MH BASE T/n - 60"

1) CASTING - HOE KY-460-11 F/G (DBI 11)

2) 60" - Conseal CS-102 1.00"

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

2) Hole - 44

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

0 lb

2668 lb

2610 lb

7314 lb

421 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 13013 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE KY-460-11 F/G).

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: 591'

Rim to Invert: 8.51'

Slack: 0.62"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	582.49'	0°	0"	36" HDPE	41.7"	Hole 44	44"	49.393"	-2.85"	0"
Invert 2	582.49'	180°	113.097"	36" HDPE	41.7"	Hole 44	44"	49.393"	-2.85"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

(P4)

(P3)

(P2)

(P1) <<

Invert: 2

Degree: 180°

Horz: 94.248"

Hole: 44"

Up(): -2.85"

Step: 90°

Horz: 47.124"

+ 0°-

Invert: 1

Degree: 0°

Horz: 0"

Hole: 44"

Up(): -2.85"

Invert: 2

Degree: 180°

Horz: 94.248"

Hole: 44"

Up(): -2.85"

Step: 90°

Horz: 47.124"

- 0°+

Invert: 1

Degree: 0°

Horz: 0"

Hole: 44"

Up(): -2.85"

INSIDE WALL DIMENSIONS

(P1)

2

1

-2.85"

-2.85"

94.248"

0"

360°

270°

180°

90°

0°

8"

60"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 8"

Height (Int): 60"

Height (Ext): 68"

Weight (Net): 7314 lb

Volume (Net): 1.87cu.yd

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

Plant: 100

7/6/2026 11:03:32 AM

Tech: J. Horsley

PC: E. Bradley



Structure ID: SCUM WW

P2 MH060RS72S

MH RISER SPECIAL

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

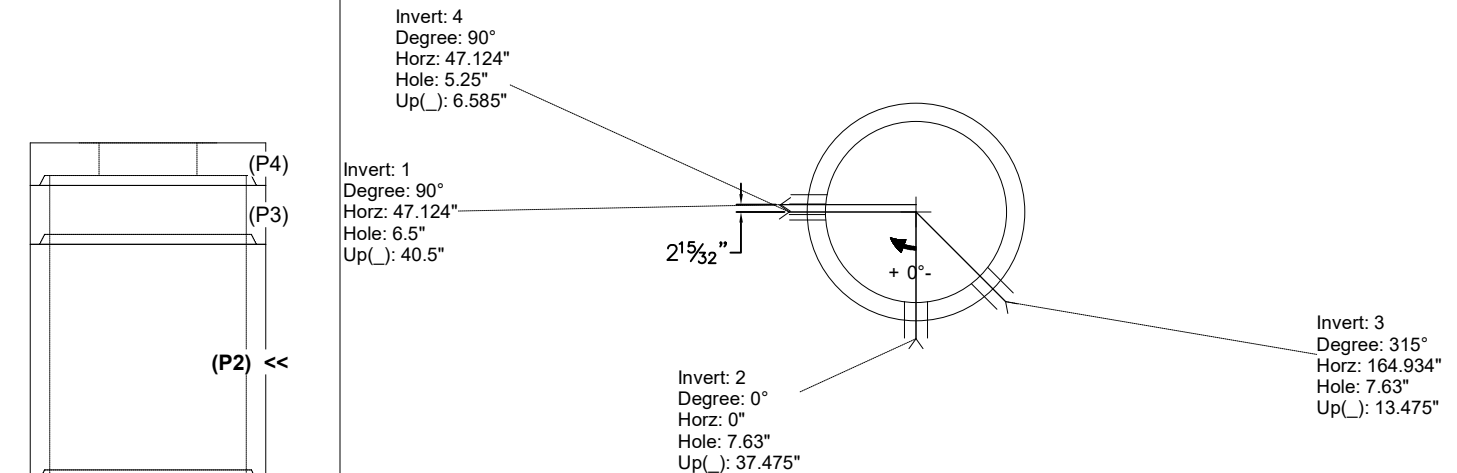
2455 lb
1879 lb
7442 lb
8388 lb
0 lb
62 lb
0 lb
0 lb
1 lb
2 lb
1 lb
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. NO STEPS / NO INVERT CHANNEL.
4. HATCH BY ICAST (HALLIDAY W1S 30"x30")
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.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

Structure Total: 20230 lb

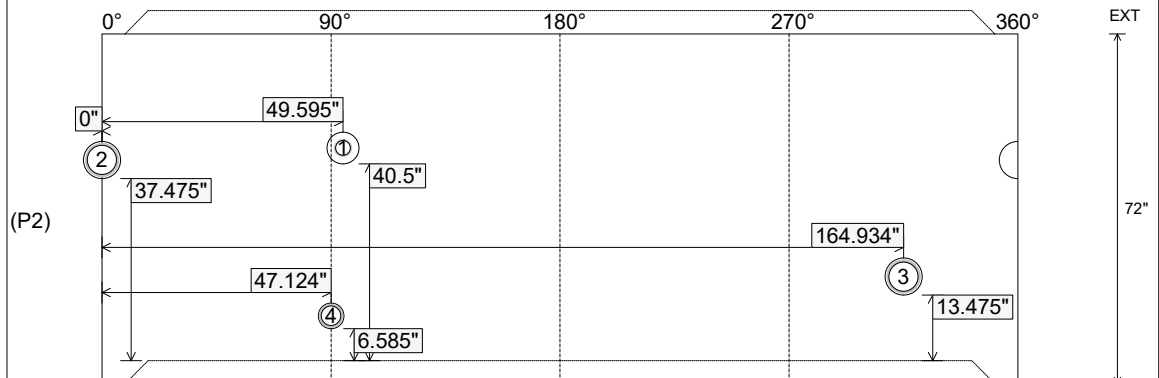
Rim: 890.5' Rim to Invert: 7.59' Slack: 0.04" Sump: 54.96" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	885.83'	90°	59.019"	3" DI	3.5"	Z-Lok C107-3	6.5"	6.535"	40.5"	2.469"
Invert 2	885.5'	0°	0"	6" DI	6.875"	A-Lok 0225	7.63"	7.651"	37.475"	0"
Invert 3	883.5'	315°	197.92"	6" DI	6.875"	A-Lok 0225	7.63"	7.651"	13.475"	0"
Invert 4	882.91'	90°	56.549"	4" DI	4.75"	A-Lok 0150	5.25"	5.257"	6.585"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

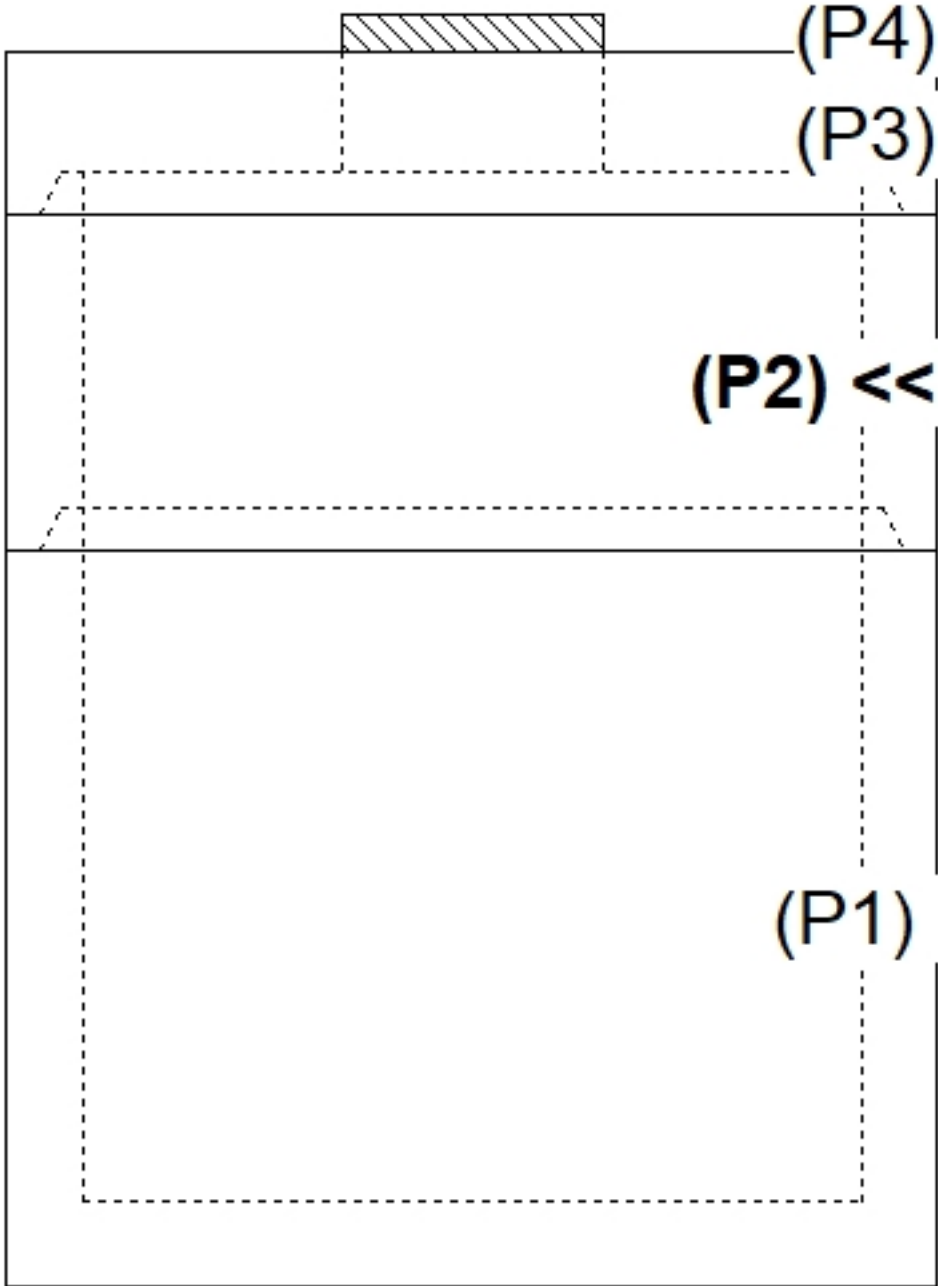
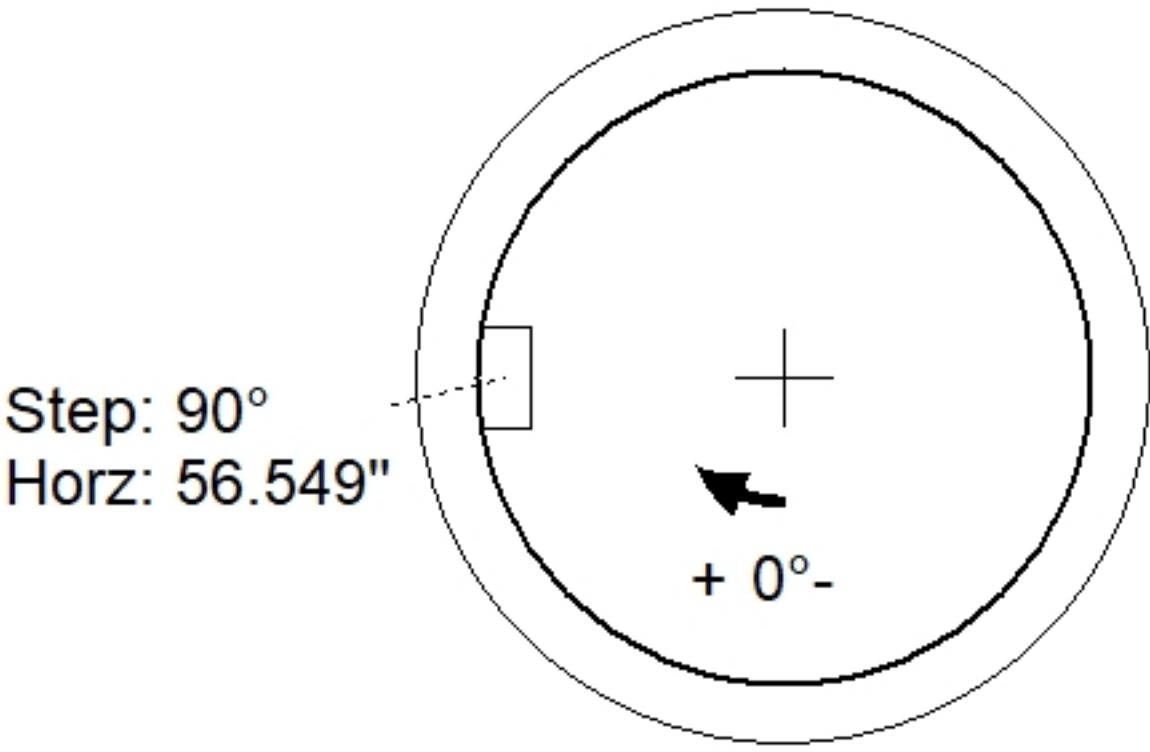
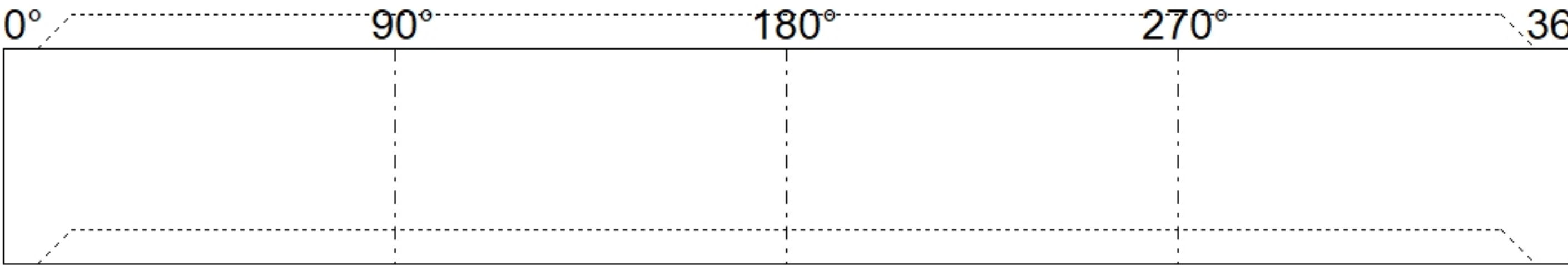
Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 6"
Floor Height: 0"

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

Weight (Net): 7442 lb
Volume (Net): 1.9cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures Job Location: Bowling Green, KY Contractor: Scotty's Contracting & Stone, LLC							Plant: Beaver Dam 8/11/2026 9:19:06 AM		Tech: S. Felletter PC: M. Sullivan					
Structure ID: DBI-10														
P1 MH072BA66 MH BASE T/n														
P3) 48" x 48" - CASTING HEIGHT - 4.5" P2) 72" - MH FLAT TOP w/48"x48" Hole F/G - 15" P1) 72" - MH BASE T/n - 66" 1) CASTING - HOE 918 F/G 1) 72" - Conseal CS-102 1.00" 1) 48" x 48" - Conseal CS-102 1.00" 2) Hole - 44 2) Hole - 18 6) MH Step ML-10-TDS-NCR - 10"							0 lb 4411 lb 11321 lb 228 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 15960 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE 918 F/G). . 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: 587.36'	Rim to Invert: 7.14'	Slack: 0.18"	Sump: 0"	Step Position: 60°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset				
Invert 1	580.22'	0°	0"	36" HDPE	41.7"	Hole 44	44"	47.337"	-2.85"	0"				
Invert 2	580.22'	120°	90.059"	15" PVC SDR35	15.3"	Hole 18	18"	18.193"	-0.15"	0"				
Invert 3	580.22'	210°	157.603"	36" HDPE	41.7"	Hole 44	44"	47.337"	-2.85"	0"				
Invert 4	580.22'	295°	221.395"	12" HDPE	14.5"	Hole 18	18"	18.193"	-1.25"	0"				
Invert 5														
Invert 6														
Invert 7														
Invert 8														
RIGHT-SIDE UP VIEW (int. dimensions)							UPSIDE-DOWN VIEW (int. dimenions)							
Invert: 2 Degree: 120° Horz: 75.398" Hole: 18" Up(): -0.15" Invert: 3 Degree: 210° Horz: 131.947" Hole: 44" Up(): -2.85" Invert: 4 Degree: 295° Horz: 185.354" Hole: 18" Up(): -1.25" Invert: 1 Degree: 0° Horz: 0" Hole: 44" Up(): -2.85" Step: 70° Horz: 43.982" (P1) <<							Invert: 3 Degree: 210° Horz: 131.947" Hole: 44" Up(): -2.85" Invert: 2 Degree: 120° Horz: 75.398" Hole: 18" Up(): -0.15" Invert: 4 Degree: 295° Horz: 185.354" Hole: 18" Up(): -1.25" Invert: 1 Degree: 0° Horz: 0" Hole: 44" Up(): -2.85" Step: 70° Horz: 43.982"							
INSIDE WALL DIMENSIONS							(P1) Offsets: -1.25", -2.85", -0.15", -2.85" Horizontal Distances: 185.354", 75.398", 131.947" Angles: 360°, 270°, 180°, 90°, 0° Vertical Dimensions: 8", 66", EXT							
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 7" Floor Height: 8"		Height (Int): 66" Height (Ext): 74"		Weight (Net): 11321 lb Volume (Net): 2.89cu.yd					

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures					Plant: Beaver Dam		Tech: S. Felletter				
Job Location: Bowling Green, KY					8/11/2026 9:22:30 AM		PC: M. Sullivan				
Contractor: Scotty's Contracting & Stone, LLC											
Structure ID: DBI-15											
P2		MH072RSVF		MH RISER Custom Ht T/G							
P4) 24" x 30" - CASTING HEIGHT - 3.50" P3) 72" - MH FLAT TOP w/24"x30" Hole LOU-MSD F/G - 15" P2) 72" - MH RISER Custom Ht T/G - 31" P1) 72" - MH BASE T/n - 60" 1) CASTING - HOE KY-460-11 F/G (DBI 11) 2) 72" - Conseal CS-102 1.00" 1) 24" x 30" - Conseal CS-102 1.00" 2) Hole - 50 1) Hole - 16 5) MH Step ML-10-TDS-NCR - 10"					0 lb 6405 lb 4519 lb 10022 lb 421 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 21367 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-460-11 F/G). . 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: 589.34' Rim to Invert: 9.13' Slack: 0.06" Sump: 0" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (┘)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)  											
INSIDE WALL DIMENSIONS  EXT 31"											
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 7" Floor Height: 0"		Height (Int): 31" Height (Ext): 31"		Weight (Net): 4519 lb Volume (Net): 1.15cu.yd	

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

Plant: 100

8/5/2026 9:31:24 AM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: MH-4-5 SS-MH

P1 MH084BAEVFX

MH BASE w/FLANGE (12F/14EF) w/XYPEX

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

FIRST POUR DRAWING

WEIGHTS:

FIRST POUR: 22,343 LBS

SECOND POUR: 5,049 LBS

TOTAL: 27,392 LBS

- 0 lb Structure Notes:
6992 lb PLAN LABEL: MH-4
16298 lb 1. JBS 1312 WT F/C SANITARY PROVIDED BY ICAST.
18626 lb 2. PER ASTM C478 SPECIFICATIONS.
18626 lb 3. CONCRETE = 4,000 PSI AT 28 DAYS.
27392 lb 4. ADMIXTURE = XYPEX C-1000 RED.
0 lb 5. REINFORCING PER ASTM A615 (GRADE 60).
0 lb - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
0 lb - RISER/WALLS (As .24)
600 lb - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.
0 lb 6. ANY REQUIRED INTERIOR COATINGS TO BE
2 lb SUPPLIED & APPLIED BY OTHERS.
7. **NO STEPS**

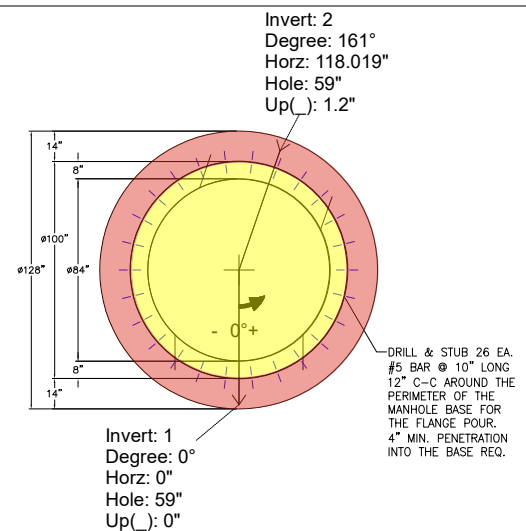
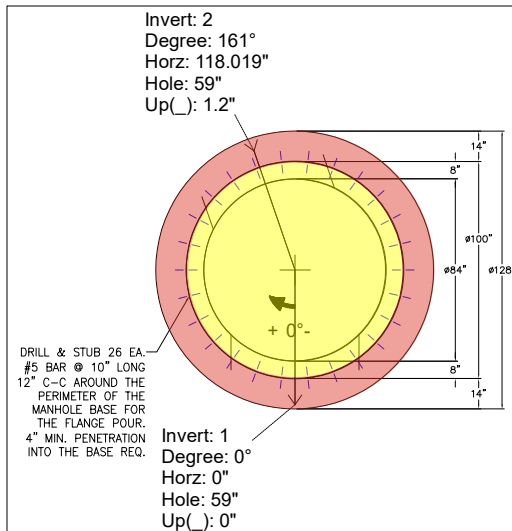
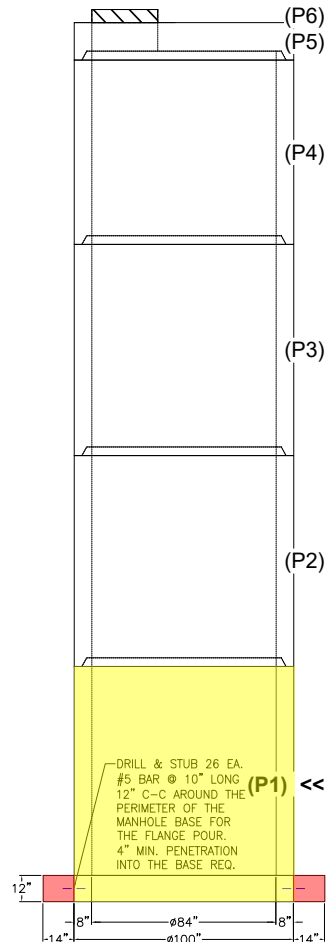
Structure Total: 88536 lb

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

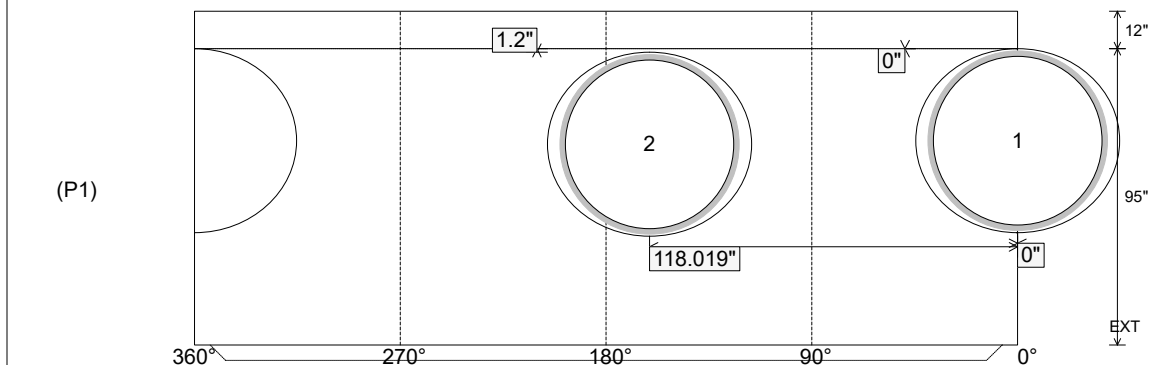
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	383.56'	0°	0"	54" DI	57.5"	A-Lok 1840	59"	65.414"	0"	0"
Invert 2	383.66'	161°	140.499"	54" DI	57.5"	A-Lok 1840	59"	65.414"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 12"

Height (Int): 95"
Height (Ext): 107"

Weight (Net): 27392 lb
Volume (Net): 7cu.yd

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

Plant: 100

8/5/2026 9:31:24 AM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: MH-4-5 SS-MH

P1 MH084BAEVFX

MH BASE w/FLANGE (12F/14EF) w/XYPEX

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

SECOND POUR DRAWING

WEIGHTS:

FIRST POUR: 22,343 LBS

SECOND POUR: 5,049 LBS

TOTAL: 27,392 LBS

- 0 lb Structure Notes:
6992 lb PLAN LABEL: MH-4
16298 lb 1. JBS 1312 WT F/C SANITARY PROVIDED BY ICAST.
18626 lb 2. PER ASTM C478 SPECIFICATIONS.
18626 lb 3. CONCRETE = 4,000 PSI AT 28 DAYS.
27392 lb 4. ADMIXTURE = XYPEX C-1000 RED.
0 lb 5. REINFORCING PER ASTM A615 (GRADE 60).
0 lb - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
0 lb - RISER/WALLS (As .24)
600 lb - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.
0 lb 6. ANY REQUIRED INTERIOR COATINGS TO BE
2 lb SUPPLIED & APPLIED BY OTHERS.
7. **NO STEPS**

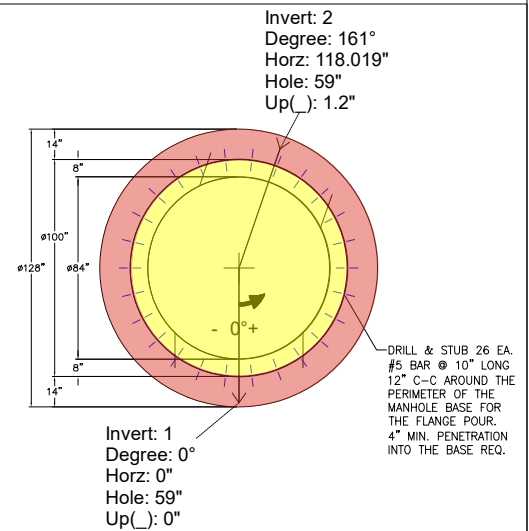
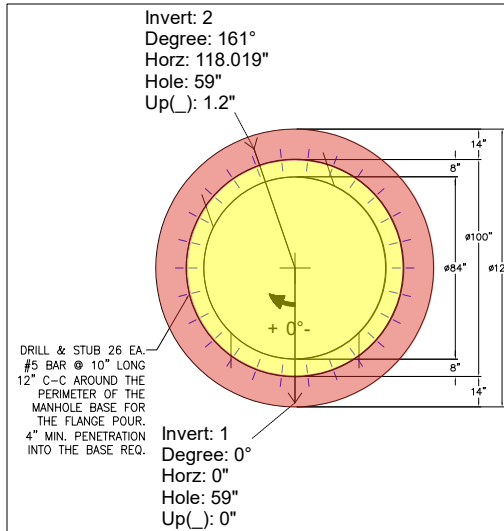
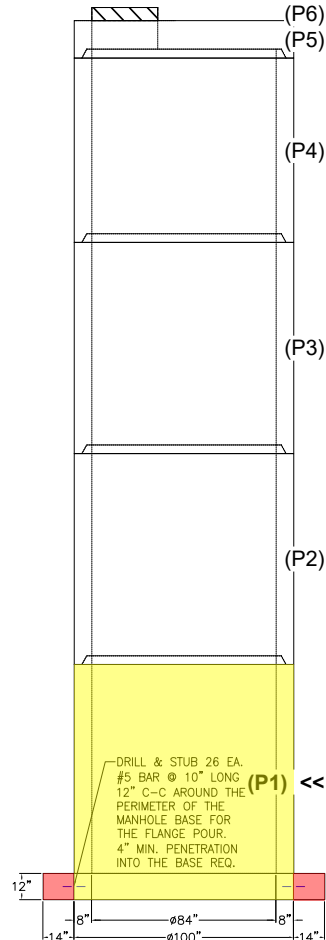
Structure Total: 88536 lb

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

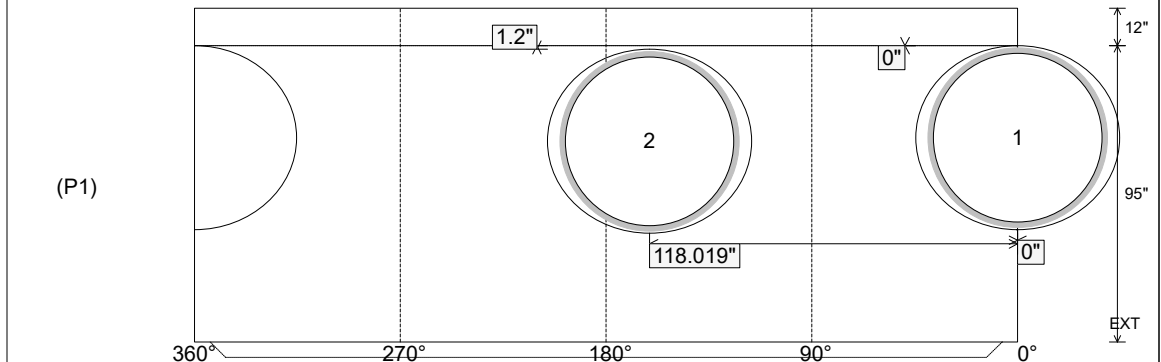
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1	383.56'	0°	0"	54" DI	57.5"	A-Lok 1840	59"	65.414"	0"	0"
Invert 2	383.66'	161°	140.499"	54" DI	57.5"	A-Lok 1840	59"	65.414"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 12"

Height (Int): 95"
Height (Ext): 107"

Weight (Net): 27392 lb
Volume (Net): 7cu.yd

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

Plant: 100

7/6/2026 11:03:59 AM

Tech: J. Horsley

PC: E. Bradley



Structure ID: RAS/WAS WW

P5 MH096LD17SP

MH FLAT TOP w/36"x54" Hatch

P5) 96" - MH FLAT TOP w/36"x54" Hatch - 17"

P4) 96" - MH RISER Custom Ht - 88"

P3) 96" - MH RISER - 96"

P2) 96" - MH RISER - 96"

P1) 96" - MH SEPARATE BASE-T EXT. 14" (142" OD) - 12"

4) JOINT WRAP - 12" WD x 0.96" MAC WRAP

1) HATCH (Alum.) - HALLIDAY W1S 36"x54"

4) 96" - Con Seal CS-231 1.00" (Double)

1) A-Lok - 0150

2) Quik-Lok - QL-04-C

5) A-Lok - 0225

8969 lb Structure Notes:

21734 lb

23881 lb

23881 lb

19580 lb

0 lb

107 lb

0 lb

1 lb

2 lb

5 lb

Structure Total:

98160 lb

1. PER ASTM C478 SPECIFICATIONS.

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

3. NO STEPS / NO INVERT CHANNEL.

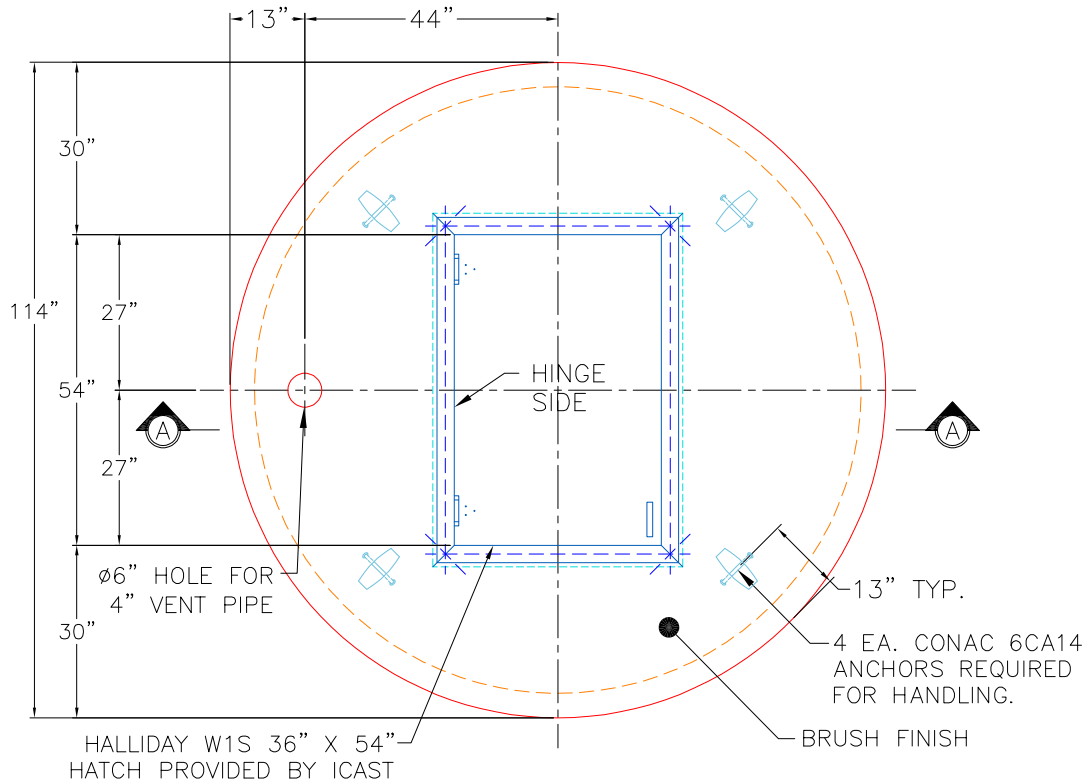
4. HATCH BY ICAST (HALLIDAY W1S 36"x54")

REINFORCING PER ASTM A615 (GRADE 60).

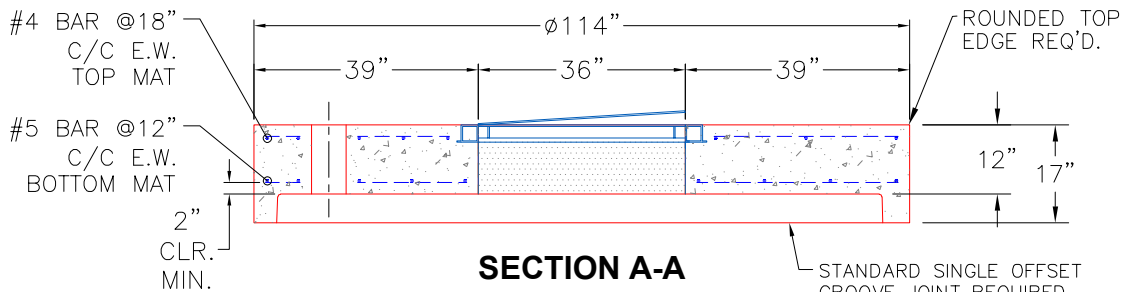
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.

- RISER/WALLS (As .24)

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



PLAN VIEW



SECTION A-A

NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS.
3. REINFORCING: PER ASTM A615 (GRADE 60)
TOP LAYER: #4 BAR @ 18" C-C E.W.
BOTTOM LAYER: #5 BAR @ 12" C-C E.W.
4. WEIGHT: 8,969 LBS.
5. HATCH: HALLIDAY W1S 36" X 54" PROVIDED BY ICAST.
6. HATCH TO BE CAST INTO TOP OF LID.

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

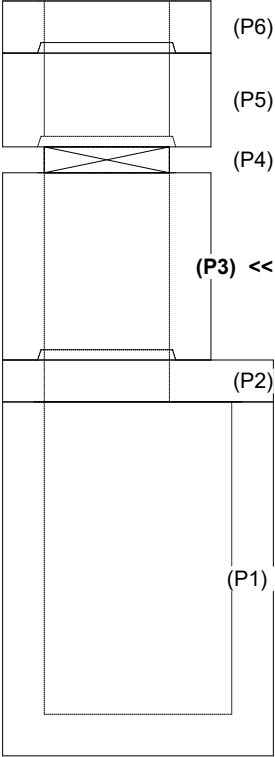
Wall Thickness: 9"

Height (Ext): 17"

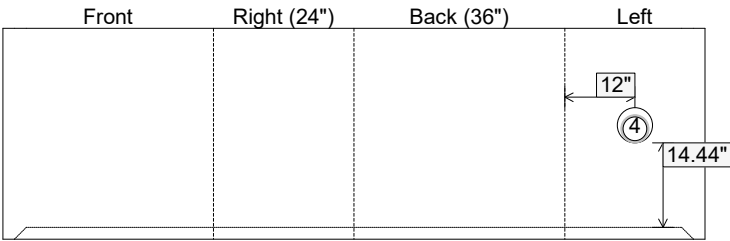
Weight (Net): 8969 lb
Volume (Net): 2.29cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC				Plant: Beaver Dam 7/30/2026 8:59:17 AM		Tech: J. Horsley PC: C. Goff						
Structure ID: 262 (433+25 RT)												
P3 BX2436-08R36				BOX RISER 8inW F/G								
P6) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P5) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P4) 24" x 36" - FIELD ADJUSTMENT - 5" P3) 24" x 36" - BOX RISER 8inW F/G - 36" P2) 36" x 48" - CB FT REDUCER 24"x36" HOLE T/F - 8" P1) 36" x 48" - BOX BASE 8inW, 8inF F/n - 60" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 36" x 48" - Conseal CS-102 1.00" 3) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 44 1) DOGHOUSE INVRTD - 26"x24.50" 1) Hole - 6						3400 lb 5270 lb 0 lb 3654 lb 1654 lb 7857 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 22041 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PI AT 28 DAYS. 3. HOE KY-206 F/C CAST INTO TOP SLAB. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W (DBL MAT) - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 544.53' Rim to Invert: 11.44' Slack: 0.28" Sump: 0" Step Position:												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1												
Invert 2												
Invert 3												
Invert 4	540.16'	270°	26"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	14.44"	0"		
Invert 5												
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)



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



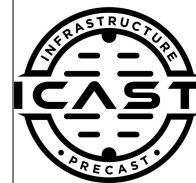
INSIDE WALL DIMENSIONS

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

12" 14.44" 36"

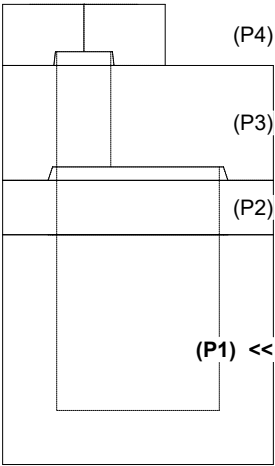
(P3)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 3654 lb Volume (Net): 0.93cu.yd
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Weight (Net): 4763 lb
Volume (Net): 1.22cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:52 AM		Tech: J. Coppage PC: T. Ryan				
Structure ID: 4001+70 LT CBIB INLET 19											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht							
P4) 8" x 120" - CB INLET KY B 10' TOP - 9" P3) 24" x 120" - CB INLET KY B 10' BOTTOM RIGHT - 17" P2) 24" x 36" - CB FT REDUCER 24"X24" HOLE - 8" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 26" 1) 24" x 36" - Conseal CS-102 1.00" 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 22"					1660 lb 2650 lb 1010 lb 3523 lb 0 lb 0 lb 0 lb ----- Structure Total: 8842 lb		Structure Notes: -KYTC STATE PROJECT 251007 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.) -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST). -KYTC CERTIFICATIONS REQUIRED.				
Rim: 588.18' Rim to Invert: 5.28' Slack: 3.36" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	582.9'	70°	25.106"	18" CMP	19"	Hole 22	22"	23.412"	-2"	6"	
Invert 2	582.9'	180°	20"	18" CMP	19"	Hole 22	22"	22"	-2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



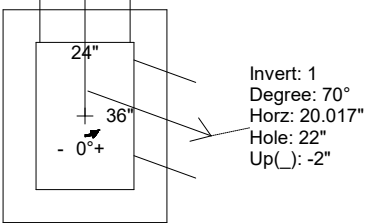
(P4)

(P3)

(P2)

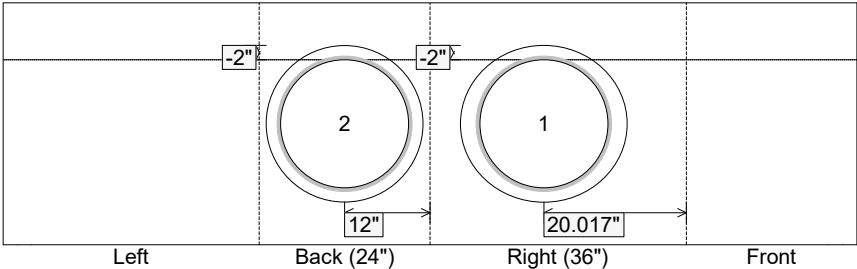
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

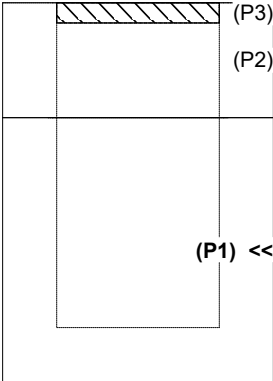
INSIDE WALL DIMENSIONS



(P1)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 26" Height (Ext): 34"	Weight (Net): 3523 lb Volume (Net): 0.9cu.yd
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Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:28 AM		Tech: J. Coppage PC: T. Ryan				
Structure ID: 5082+33 RT CBBI-MOD B1											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht							
P3) 24" x 120" - CASTING (cast in) - 3" P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 31" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 18					0 lb 4000 lb 4389 lb 0 lb 0 lb ----- 8389 lb		Structure Notes: . -KYTC STATE PROJECT 251007 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.) -CASTING FRAMES & GRATES BY OTHERS. -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST). -KYTC CERTIFICATIONS REQUIRED.				
Rim: 580.78' Rim to Invert: 4.3' Slack: 3.6" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	576.48'	0°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 31" Height (Ext): 39"	Weight (Net): 4389 lb Volume (Net): 1.12cu.yd
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Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)

Job Location: I-264 Louisville, Ky.

Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY

8/4/2026 11:26:28 AM

Tech: J. Coppage

PC: T. Ryan



Structure ID: 5080+02 RT CBBI-MOD B1

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

P3) 24" x 120" - CASTING (cast in) - 3"

P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17"

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

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

1) Hole - 18

0 lb

4000 lb

3878 lb

0 lb

0 lb

0 lb

Structure Total: 7878 lb

Structure Notes:

-KYTC STATE PROJECT 251007

-REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)

-CASTING FRAMES & GRATES BY OTHERS.

-CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).

-KYTC CERTIFICATIONS REQUIRED.

Rim: 580.07'

Rim to Invert: 3.9'

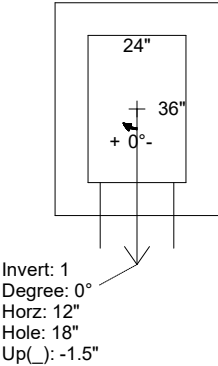
Slack: 3.8"

Sump: 0"

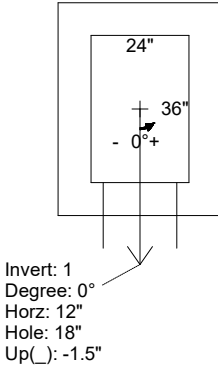
Step Position:

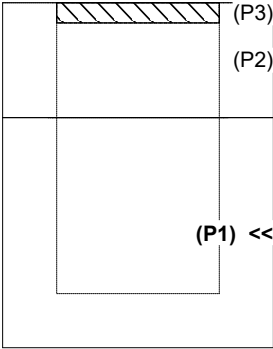
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	576.17'	0°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



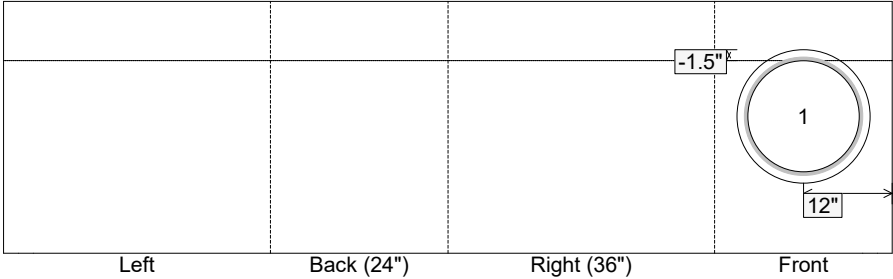
UPSIDE-DOWN VIEW (int. dimensions)





(P1) <<

INSIDE WALL DIMENSIONS



LeftBack (24")Right (36")Front

8"

26"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 26"

Height (Ext): 34"

Weight (Net): 3878 lb

Volume (Net): 0.99cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)

Job Location: Hopkinsville, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

7/30/2026 8:55:44 AM

Tech: J. Horsley

PC: C. Goff

Structure ID: 261 (433+35 LT)

P1 BX2436-08BVF

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

P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10"

P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18"

P2) 24" x 36" - FIELD ADJUSTMENT - 3"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 57"

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

2) 24" x 36" - Conseal CS-102 1.00"

1) Hole - 26

1) Hole - 20

1) Hole - 6

3400 lb

5270 lb

0 lb

6592 lb

206 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 15467 lb

Structure Notes:

** KYTC STATE PROJECT **

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

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

3. HOE KY-206 F/C CAST INTO TOP SLAB.

REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

Rim: 544.69'

Rim to Invert: 7.34'

Slack: 0.08"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	537.35'	285°	26.183"	18" RCP B WALL	23"	Hole 26	26"	26.917"	-2.5"	-5"
Invert 2	537.6'	25°	22.769"	15" HDPE	17.6"	Hole 20	20"	22.068"	1.7"	-8.479"
Invert 3	540.92'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	42.44"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

(P4)

(P3)

(P2)

(P1) <<

INVERT 3

Degree: 180°

Horz: 12"

Hole: 6"

Up(): 42.44"

INVERT 1

Degree: 285°

Horz: 16.039"

Hole: 26"

Up(): -2.5"

INVERT 2

Degree: 25°

Horz: 11.038"

Hole: 20"

Up(): 1.7"

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

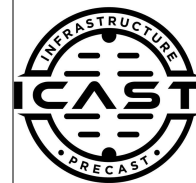
Floor Height: 8"

Height (Int): 57"

Height (Ext): 65"

Weight (Net): 6592 lb

Volume (Net): 1.68cu.yd



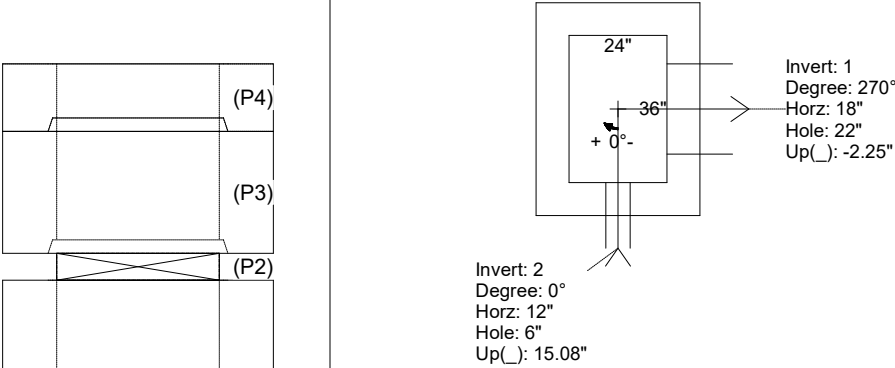
Weight (Net): 3719 lb
Volume (Net): 0.95cu.yd



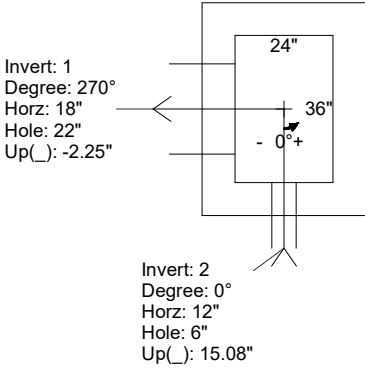
Weight (Net): 4167 lb
Volume (Net): 1.06cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:11 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 228 (423+15 LT)											
P1		BX2436-08BVF									
BOX BASE 8inW, 8inF, Variable Ht F/n											
P4) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18" P2) 24" x 36" - FIELD ADJUSTMENT - 4" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22 1) Hole - 6					3398 lb 5270 lb 0 lb 3673 lb 206 lb 0 lb 0 lb 0 lb ----- Structure Total: 12547 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HOE KY-206 F/C CAST INTO TOP SLAB. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 551.38'		Rim to Invert: 4.75'		Slack: 0"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	546.63'	270°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"	
Invert 2	547.92'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	15.08"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

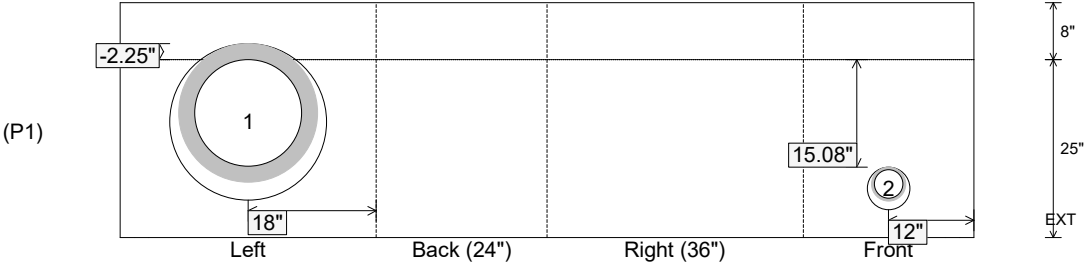
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



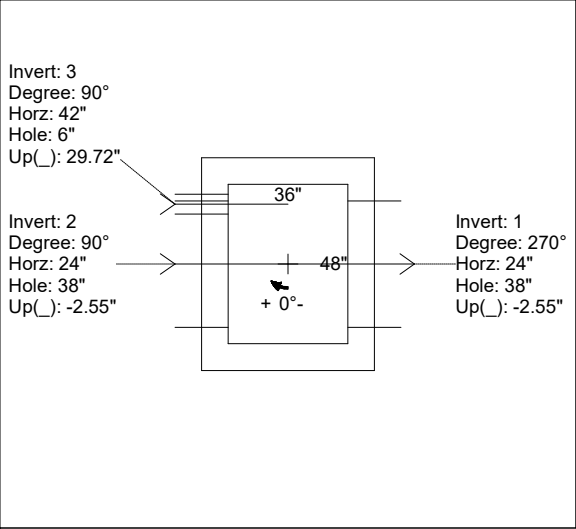
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 3673 lb Volume (Net): 0.94cu.yd
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Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:29 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 244 (428+40 RT)											
P1		BX3648-08BAVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P2) 36" x 48" - CB FT REDUCER 24"X36" HOLE T/F - 8" P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 41" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 36" x 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 38 1) Hole - 6					3400 lb 5270 lb 1654 lb 6197 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 16727 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HOE KY-206 F/C CAST INTO TOP SLAB. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W (DBL MAT) - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 541.57' Rim to Invert: 6.42' Slack: 0.04" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	535.15'	270°	32"	30" HDPE	35.1"	Hole 38	38"	38"	-2.55"	0"	
Invert 2	535.15'	90°	32"	30" HDPE	35.1"	Hole 38	38"	38"	-2.55"	0"	
Invert 3	537.66'	90°	50"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	29.72"	18"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)

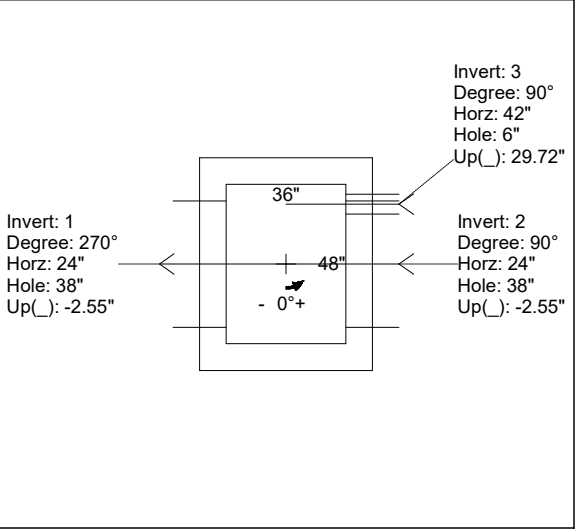


Invert: 3
Degree: 90°
Horz: 42"
Hole: 6"
Up(): 29.72"

Invert: 2
Degree: 90°
Horz: 24"
Hole: 38"
Up(): -2.55"

Invert: 1
Degree: 270°
Horz: 24"
Hole: 38"
Up(): -2.55"

UPSIDE-DOWN VIEW (int. dimensions)

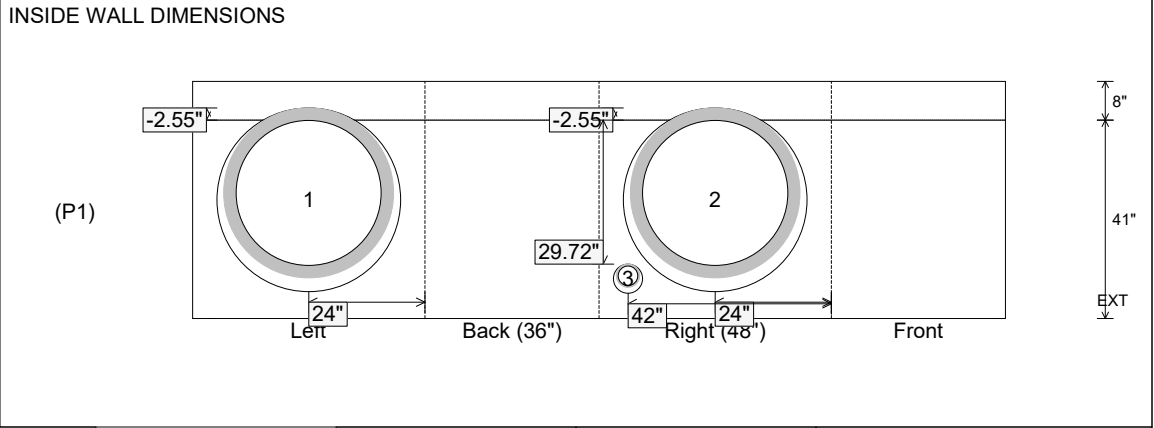


Invert: 3
Degree: 90°
Horz: 42"
Hole: 6"
Up(): 29.72"

Invert: 2
Degree: 90°
Horz: 24"
Hole: 38"
Up(): -2.55"

Invert: 1
Degree: 270°
Horz: 24"
Hole: 38"
Up(): -2.55"

INSIDE WALL DIMENSIONS



(P1)

1

2

24"

Back (36")

Right (48")

Front

Left

29.72"

42"

24"

8"

41"

EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 41" Height (Ext): 49"	Weight (Net): 6197 lb Volume (Net): 1.58cu.yd
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Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)
 Job Location: Hopkinsville, KY
 Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

Tech: J. Horsley

7/30/2026 8:55:48 AM

PC: C. Goff



Structure ID: 267 (435+52 RT)

P1 BX4848-08W12FEBAVF

BX BASE w/FLANGE 08W/12F/08EF F/n

- P6) 24" - CASTING HEIGHT - 8"
 P5) 24" - GRADE RING F/F - 4"
 P4) 48" - ECC CONE w/ 24" HOLE F/G - 42"
 P3) 48" - MH RISER T/G - 48"
 P2) 48" x 48" - CB FT REDUCER 48" HOLE T/F - 8"
 P1) 48" x 48" - BX BASE w/FLANGE 08W/12F/08EF F/n - 60"
- 1) CASTING - HOE KY-510 F/C (KY TY.2)
 1) 48" x 48" - Con Seal CS-102 1.00"
 2) 48" - Con Seal CS-102 1.00"
 2) Hole - 44"

0 lb
 270 lb
 3200 lb
 3353 lb
 1535 lb
 13425 lb
 510 lb
 0 lb
 0 lb
 0 lb

Structure Notes:

** KYTC STATE PROJECT**

1. PER KYTC MANHOLE TYPE C / ASTM C913 SPEC'S.

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

3. CASTING BY ICAST (HOE KY-510 F/C)

4. SECONDARY POUR REQ'D FOR EXTENDED FLANGE (8"WD x 12" THICK).

Structure Total: 22293 lb

REINFORCING PER ASTM A615 (GRADE 60).
 - TRANS. SLAB #5's AT 6" C.C.E.W (DBL MAT).
 - WALLS #5's AT 6" C.C.E.W.
 - FLOOR #5's AT 12" C.C.E.W..

First pour drawing

First pour weight = 11,105 LBS

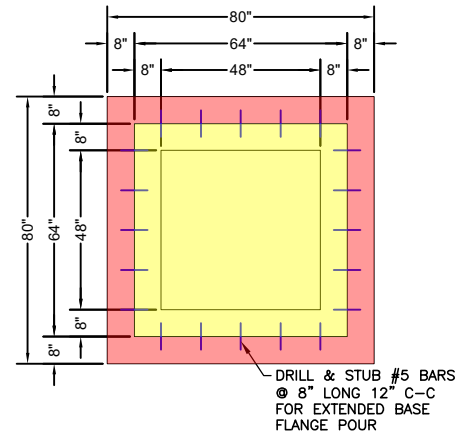
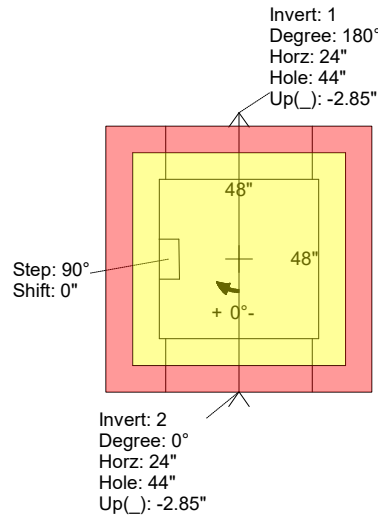
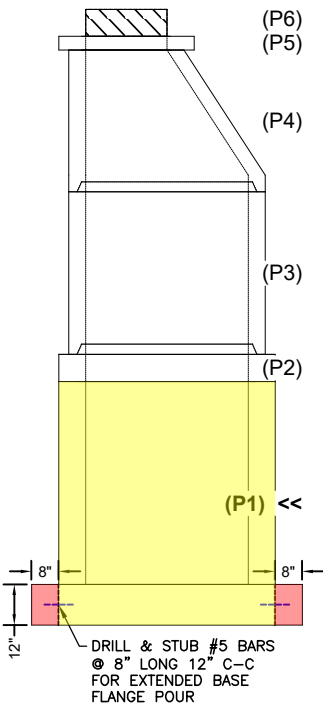
Second pour weight = 2320 LBS

Rim: 546.75' Rim to Invert: 14.32' Slack: 1.84" Sump: 0" Step Position: 90°

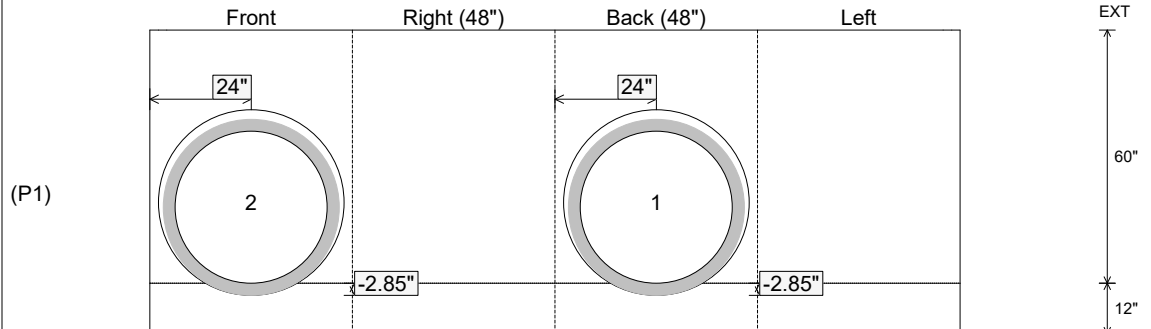
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	532.43'	180°	32"	36" HDPE	41.7"	Hole 44	44"	44"	-2.85"	0"
Invert 2	532.43'	0°	32"	36" HDPE	41.7"	Hole 44	44"	44"	-2.85"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
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: 12"

Height (Int): 60"
 Height (Ext): 72"

Weight (Net): 13425 lb
 Volume (Net): 3.43cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)
 Job Location: Hopkinsville, KY
 Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

Tech: J. Horsley

7/30/2026 8:55:48 AM

PC: C. Goff



Structure ID: 267 (435+52 RT)

P1 BX4848-08W12FEBAVF

BX BASE w/FLANGE 08W/12F/08EF F/n

- P6) 24" - CASTING HEIGHT - 8"
 P5) 24" - GRADE RING F/F - 4"
 P4) 48" - ECC CONE w/ 24" HOLE F/G - 42"
 P3) 48" - MH RISER T/G - 48"
 P2) 48" x 48" - CB FT REDUCER 48" HOLE T/F - 8"
 P1) 48" x 48" - BX BASE w/FLANGE 08W/12F/08EF F/n - 60"
- 1) CASTING - HOE KY-510 F/C (KY TY.2)
 1) 48" x 48" - Con Seal CS-102 1.00"
 2) 48" - Con Seal CS-102 1.00"
 2) Hole - 44"

0 lb
 270 lb
 3200 lb
 3353 lb
 1535 lb
 13425 lb
 510 lb
 0 lb
 0 lb
 0 lb

Structure Notes:

** KYTC STATE PROJECT**

1. PER KYTC MANHOLE TYPE C / ASTM C913 SPEC'S.

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

3. CASTING BY ICAST (HOE KY-510 F/C)

4. SECONDARY POUR REQ'D FOR EXTENDED FLANGE (8"WD x 12" THICK).

REINFORCING PER ASTM A615 (GRADE 60).

- TRANS. SLAB #5's AT 6" C.C.E.W (DBL MAT).

- WALLS #5's AT 6" C.C.E.W.

- FLOOR #5's AT 12" C.C.E.W..

Structure Total: 22293 lb

Second pour drawing

First pour weight = 11,105 LBS

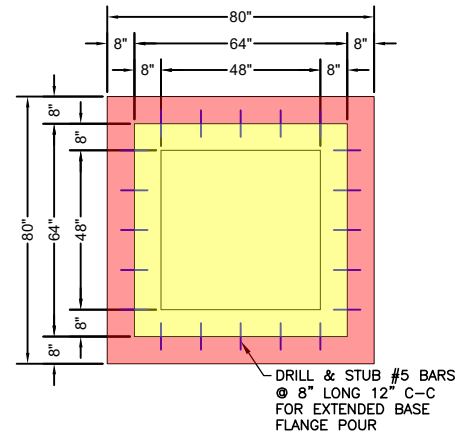
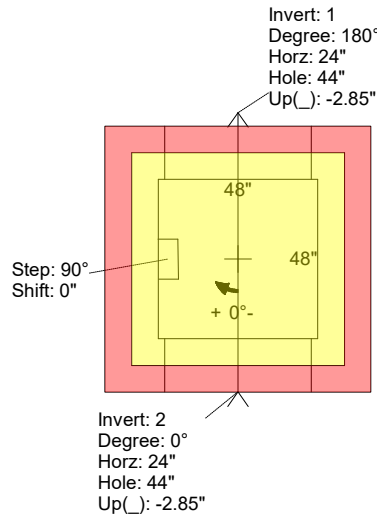
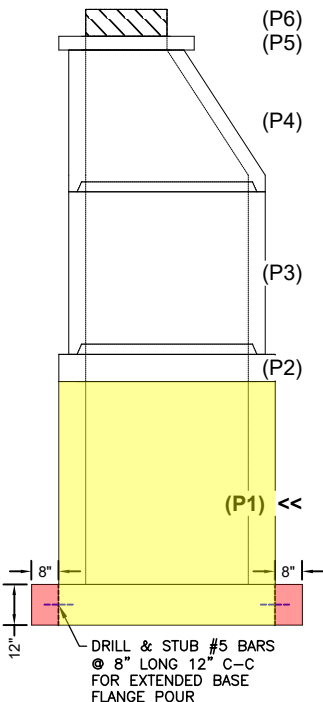
Second pour weight = 2320 LBS

Rim: 546.75' Rim to Invert: 14.32' Slack: 1.84" Sump: 0" Step Position: 90°

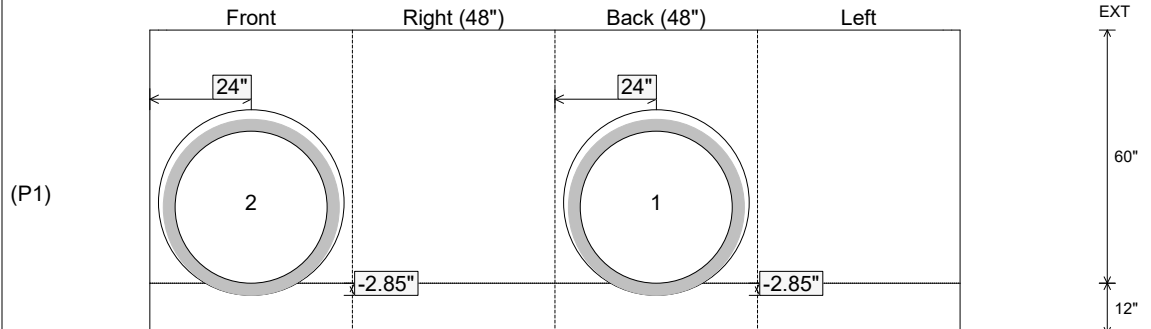
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	532.43'	180°	32"	36" HDPE	41.7"	Hole 44	44"	44"	-2.85"	0"
Invert 2	532.43'	0°	32"	36" HDPE	41.7"	Hole 44	44"	44"	-2.85"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
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: 12"

Height (Int): 60"
 Height (Ext): 72"

Weight (Net): 13425 lb
 Volume (Net): 3.43cu.yd

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

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:36:38 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 460

P2 BX2430-08R18

BOX RISER 8inW

P4) 15" x 27" - P.I.P. - BY OTHERS - 8"

P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"

P2) 24" x 30" - BOX RISER 8inW - 18"

P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 44"

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

2) 24" x 30" - Conseal CS-102 1.00"

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

2) Hole - 24

2) Hole - 4

0 lb

963 lb

1675 lb

4839 lb

237 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 7714 lb

Structure Notes:

KYTC STATE PROJECT

1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.

2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB

(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE

Rim: 892.74'

Rim to Invert: 6.54'

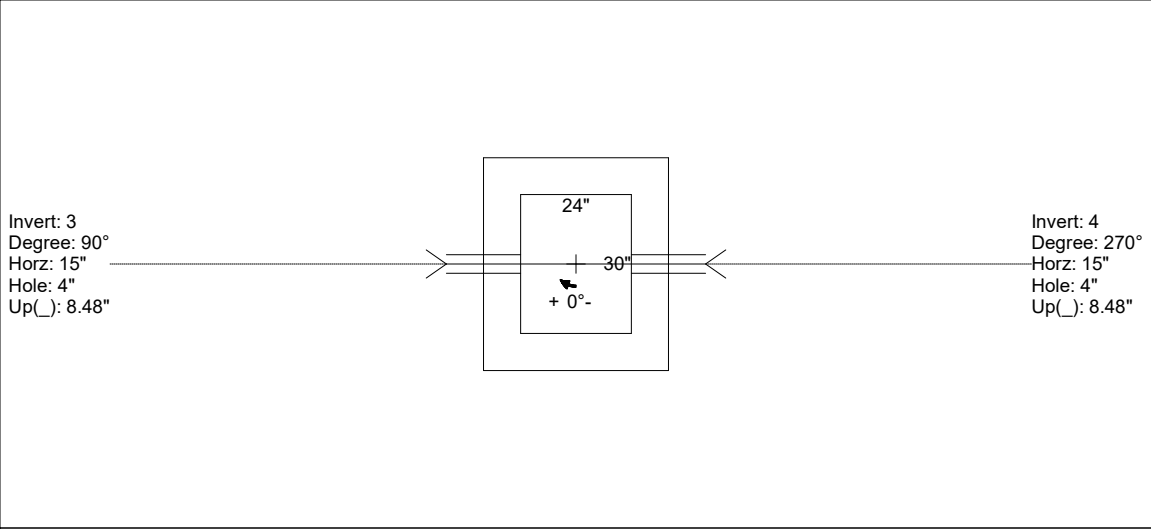
Slack: 0.48"

Sump: 0"

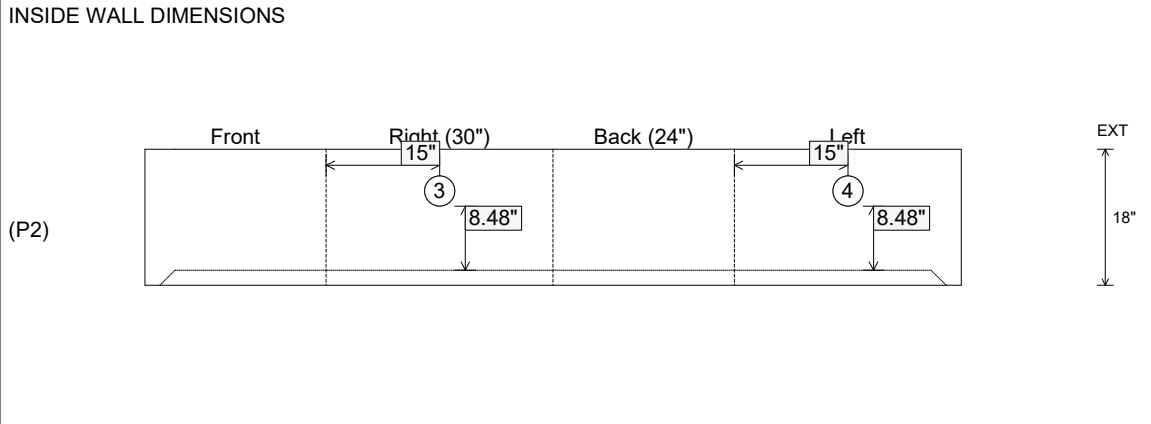
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2										
Invert 3	890.74'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	8.48"	0"
Invert 4	890.74'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	8.48"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 8"

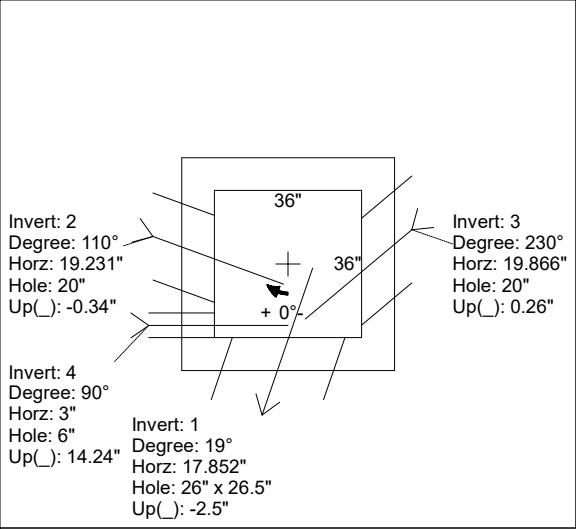
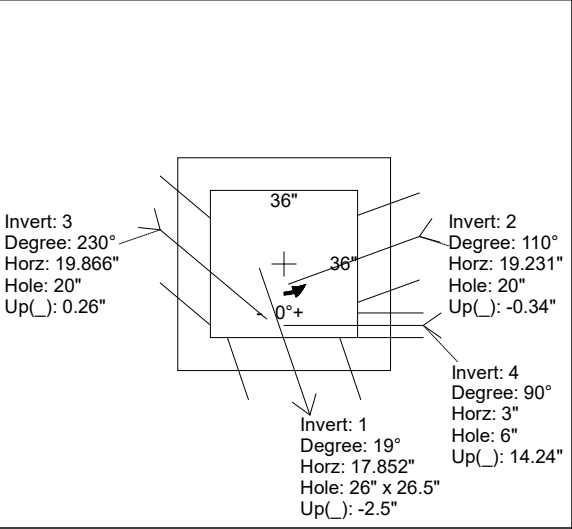
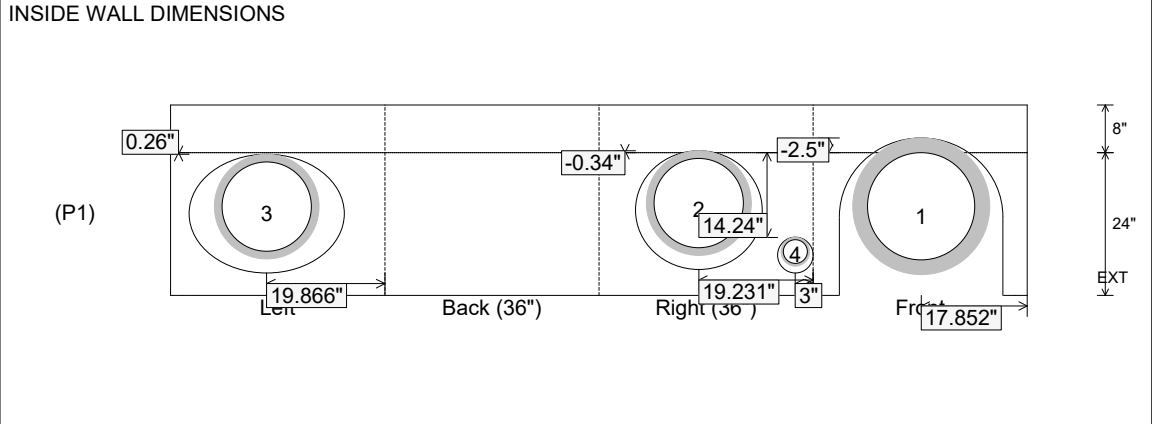
Floor Height: 0"

Height (Int): 18"

Height (Ext): 18"

Weight (Net): 1675 lb

Volume (Net): 0.43cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC				Plant: Beaver Dam 7/30/2026 8:55:24 AM		Tech: J. Horsley PC: C. Goff																	
Structure ID: 239 (426+67 LT)																							
P1		BX3636-08BA24		BOX BASE 8inW, 8inF F/n																			
P4) 24" x 60" - CB INLET KY A 5' TOP RIGHT F/G - 10" P3) 24" x 60" - CB INLET KY A 5' BOTTOM RIGHT T/G - 18" P2) 36" x 36" - CB FT REDUCER 24"X36" HOLE T/F - 8" P1) 36" x 36" - BOX BASE 8inW, 8inF F/n - 24" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 36" x 36" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 26"x26.50" 2) Hole - 20 1) Hole - 6				1895 lb 2670 lb 1235 lb 3748 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 9754 lb		Structure Notes: . ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HOE KY-206 F/C CAST INTO TOP SLAB. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W (DBL MAT) - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.																	
Rim: 543.36'				Rim to Invert: 5.08'		Slack: 0.96"		Sump: 0"		Step Position:													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset													
Invert 1	538.28'	19°	28.607"	18" RCP B WALL	23"	DOGHOUSE INVRTD 26"x26.50"	26" x 26.5"	27.498"	-2.5"	-6"													
Invert 2	538.36'	110°	30.142"	15" HDPE	17.6"	Hole 20	20"	21.284"	-0.34"	-5"													
Invert 3	538.41'	230°	21.154"	15" HDPE	17.6"	Hole 20	20"	26.108"	0.26"	13"													
Invert 4	539.5'	90°	11"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	14.24"	-15"													
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): 24" Height (Ext): 32"				Weight (Net): 3748 lb Volume (Net): 0.96cu.yd							

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

Plant: 100

Tech: Jared - F

7/28/2026 5:35:45 PM

PC: E. Bradley



Structure ID: One SS-MH

P3 GR32X8X4CDARED

GRADE RING w/ConBlock-CDA Red F/F

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

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

Structure Total: 6934 lb

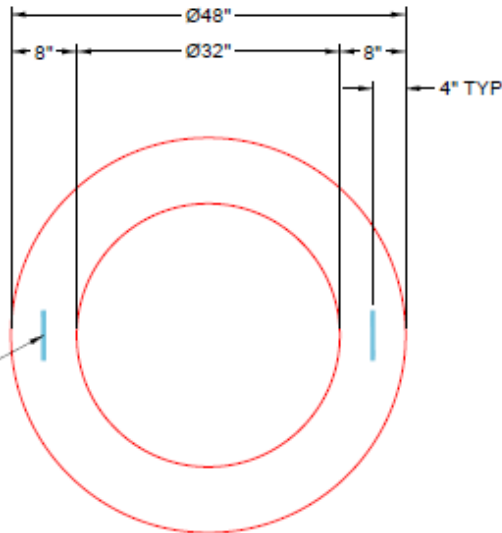
Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. ADMIXTURE = CONBLOCK CDA RED.
 4. CASTING SUPPLIED BY OTHERS (NASH LOGO SAN SEWER F&C).
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62)#5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

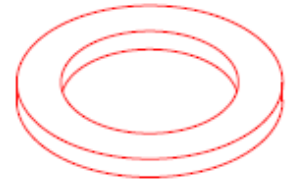
GENERAL NOTES:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: (1) #3 HOOP CENTERED (GRADE 60)
4. WEIGHT: 337 LBS
5. ADMIXTURE: CONBLOCK CDA RED

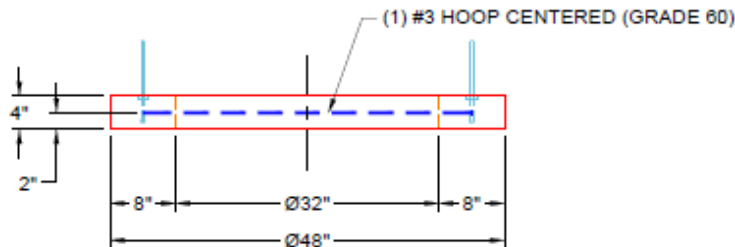
2 EA. WRA016 CONAC WIRE
ROPE ANCHORS FOR PLANT
& FIELD HANDLING



PLAN VIEW
(RIGHT SIDE UP)



ISOMETRIC VIEW



FRONT VIEW
(RIGHT SIDE UP)

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 4"

Weight (Net): 337 lb
Volume (Net): 0.09cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures
Job Location: Bowling Green, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/11/2026 3:45:04 PM

Tech: S. Felletter

PC: M. Sullivan

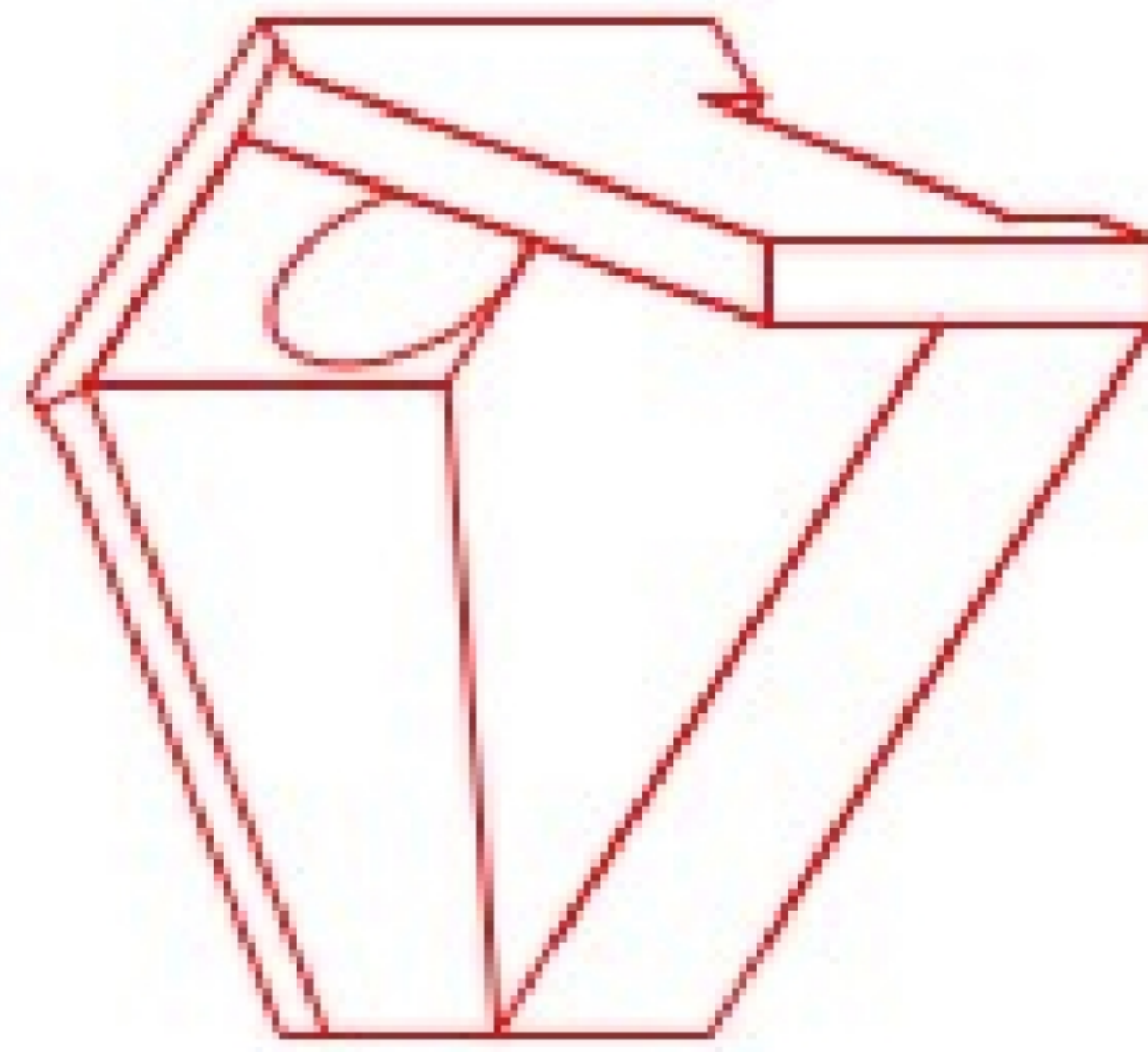


Structure ID: HDW 5

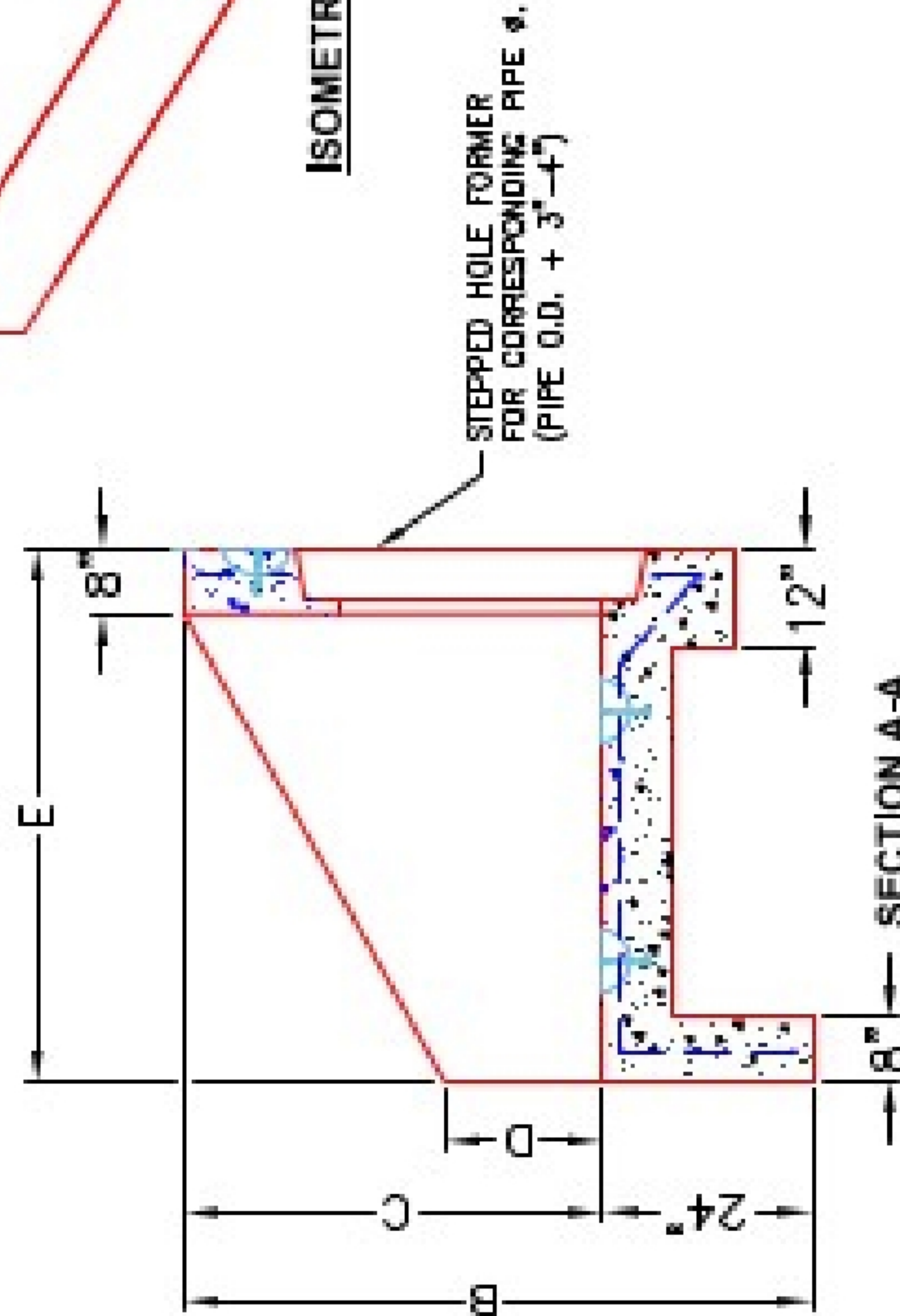
P1 HWPC42F

42" - PIPE CULVERT HEADWALL w/Flat Bottom F/F

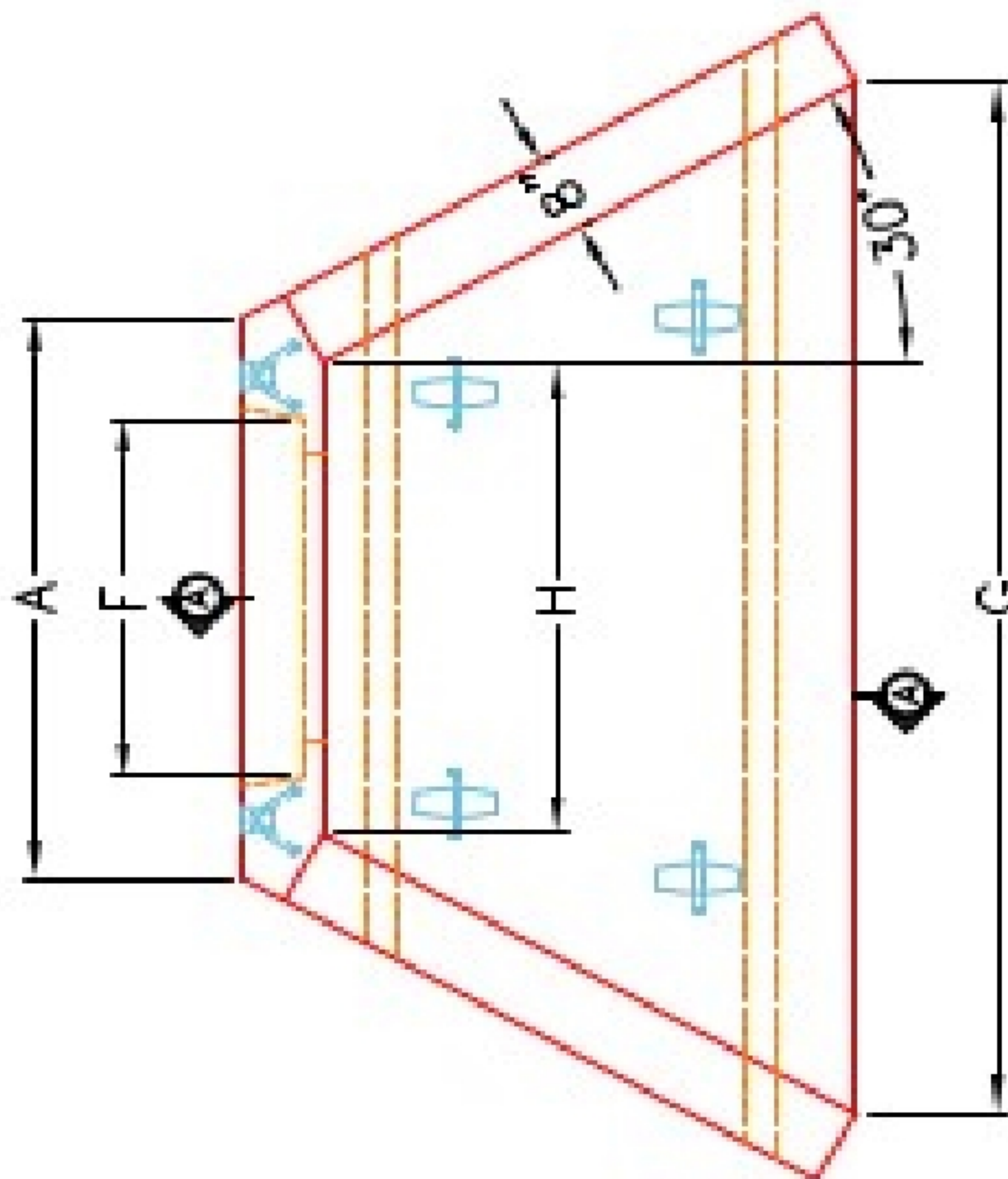
DIMENSIONS									
PIPE #	A	B	C	D	E	F	G	H	WEIGHT
36"	6'-4"	6'-4"	6'-0"	1'-4"	5'-0"	1'-0"	1'-8"	3'-4"	11,230 lbs.
36"	6'-4"	6'-4"	6'-0"	1'-4"	5'-0"	1'-0"	1'-8"	3'-4"	11,230 lbs.
42"	6'-4"	6'-7"	5'-5"	2'-4"	6'-5"	1'-6"	1'-8"	4'-11"	13,230 lbs.
48"	6'-4"	6'-7"	5'-5"	2'-4"	6'-5"	5'-2"	1'-8"	4'-11"	13,230 lbs.
54"	7'-4"	7'-8"	6'-6"	2'-4"	7'-4"	5'-8"	1'-8"	6'-0"	18,422 lbs.
60"	7'-4"	7'-8"	6'-6"	2'-4"	7'-4"	6'-4"	1'-8"	6'-0"	18,422 lbs.



ISOMETRIC VIEW

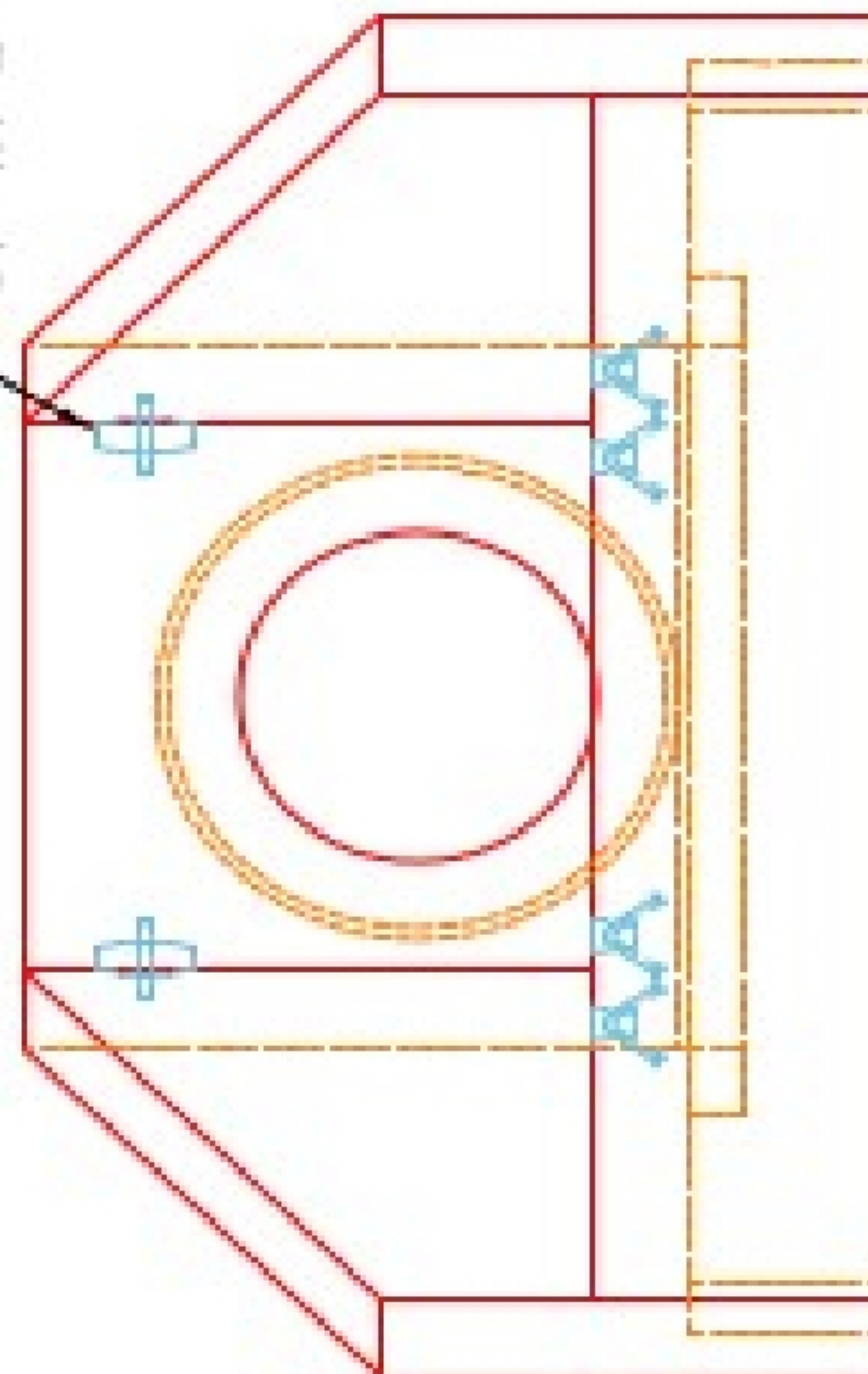


FRONT ELEVATION



PLAN VIEW

"A-ANCHOR" LIFTING SYSTEM
FOR PLANT & FIELD HANDLING.



NOTES:

1. CONCRETE: KYTC APPROVED.
2. REINFORCING: #5 BAR @ 12" C/C E.W.-GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH KYTC APPROVED NON-SHRINK GROUT.
5. DRAWING TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWING RDH-110-02, RDH-210-03 AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. 1/4" CHAMFER ON ALL EXPOSED EDGES.
7. PREFORMED STEPPED HOLE SIZED AS PER O.D. OF PIPE + 3"-4".

APPROVED FOR DESIGN ONLY

APPROVED

AS PER SPECIFICATION 105.02

DATE: 1/20/2021 9:50 am

BY: KYTC DIV. OF CONSTRUCTION

INSTRUCTION



INFRASTRUCTURE PRECAST, INC.
801 WEST 7TH ST., BEAVER DAM, KY. 40009
PHONE: (502) 338-2222, FAX: (502) 338-2222

KYTC 30"-60" PIPE CULVERT HEADWALL

DRAWING NO.: KYTC PG-118 DATE: 12-14-20

DESIGNED BY: J.H. ROSS, PE DRAWN BY: M. SULLIVAN

WEB: WWW.INFRASTRUCTUREPRECAST.COM SCALE: NTS

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:28:38 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 18+23 CBBI-MOD A1

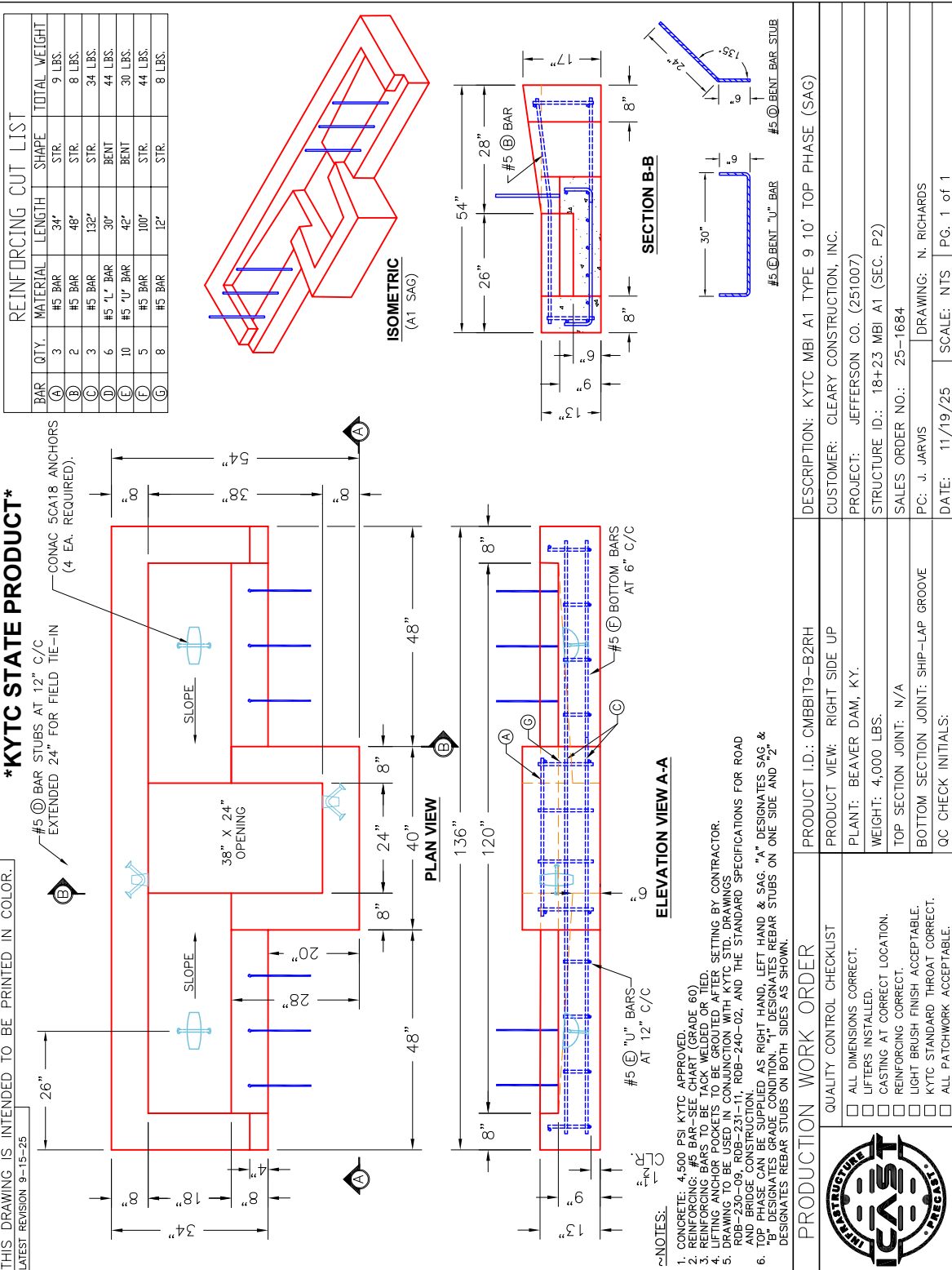
P2 CMBBIT9-A1SG

CB MED BAR BOX INLET 9A1 SAG

- P3) 24" x 120" - CASTING (cast in) - 3"
P2) 24" x 120" - CB MED BAR BOX INLET 9A1 SAG - 17"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 40"
1) 24" x 36" - Con seal CS-102 1.00"
2) Hole - 22

0 lb
4000 lb
4967 lb
0 lb
0 lb
Structure Total: 8967 lb

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 17"

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

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:28:42 AM

Tech: J. Coppage
PC: T. Ryan



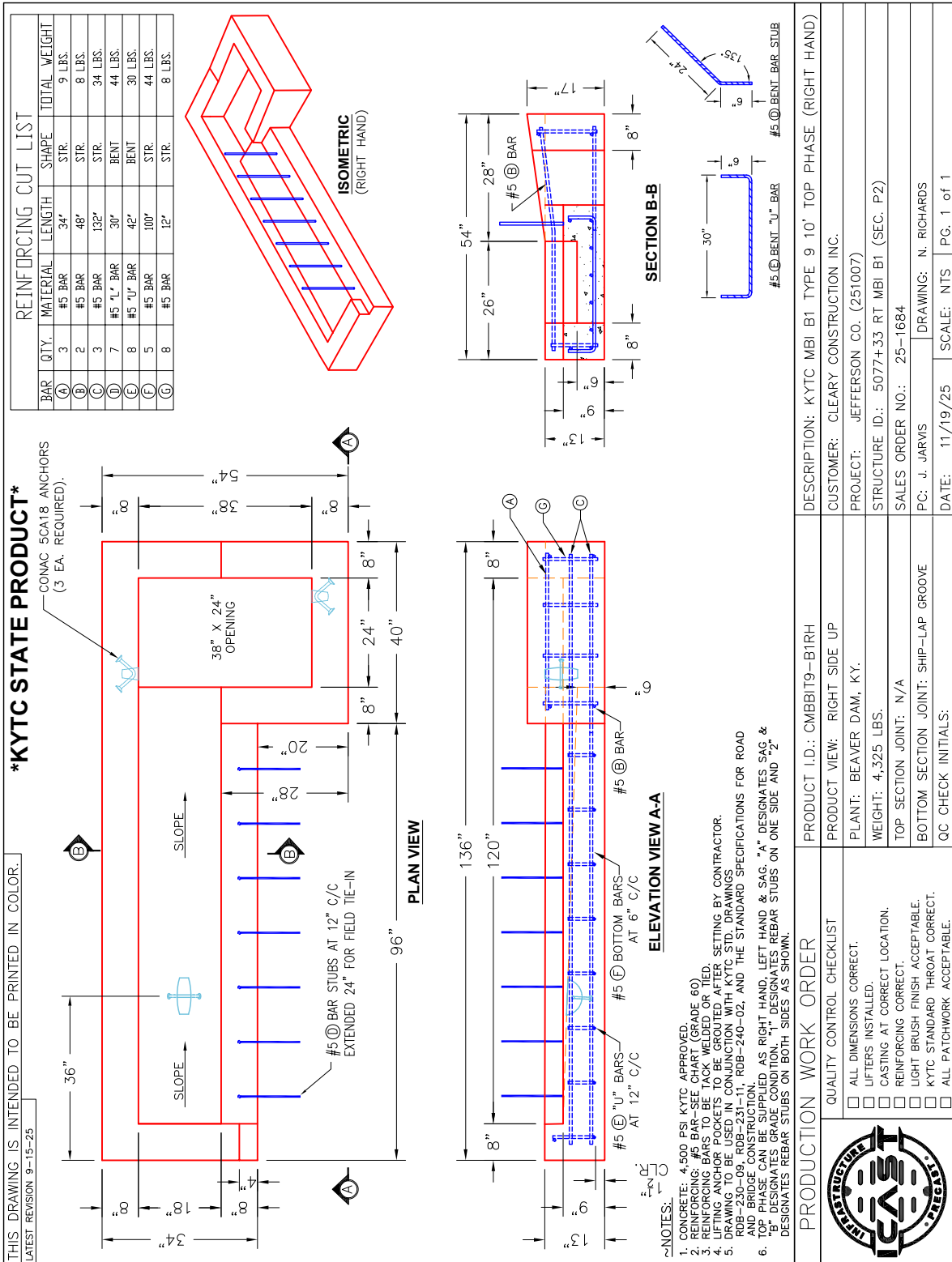
Structure ID: 5077+33 RT CBBI-MOD B1
P2 CMBBIT9-B1RH CB MED BAR BOX INLET 9B1 RH

- P3) 24" x 120" - CASTING (cast in) - 3"
P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 52"
1) 24" x 36" - Con seal CS-102 1.00"
1) Hole - 18

0 lb
4000 lb
6531 lb
0 lb
0 lb

Structure Total: 10531 lb

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 17"

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

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

Plant: 100
5/20/2026 8:47:26 AM

Tech: Jared- F
PC: C. Goff



Structure ID: MM

P2 CTS-CDARED

CB FLAT TOP 8"W w/2 HATCHES w/ConBlock-CDA Red

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

Structure Total:

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

Structure Notes:

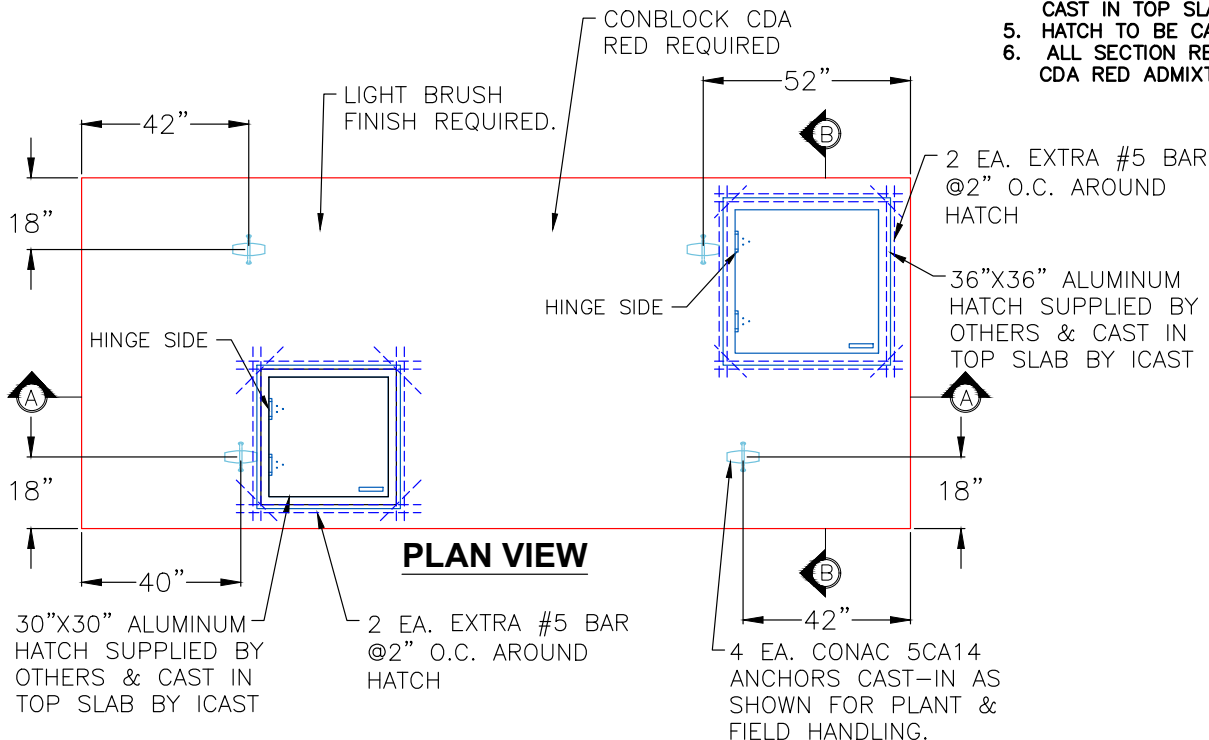
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED
4. 30"x30" & 36"x36" ALUMINUM HATCHES SUPPLIED BY OTHERS & CAST IN TOP SLAB BY ICAST.

REINFORCING PER ASTM A615 (GRADE 60).

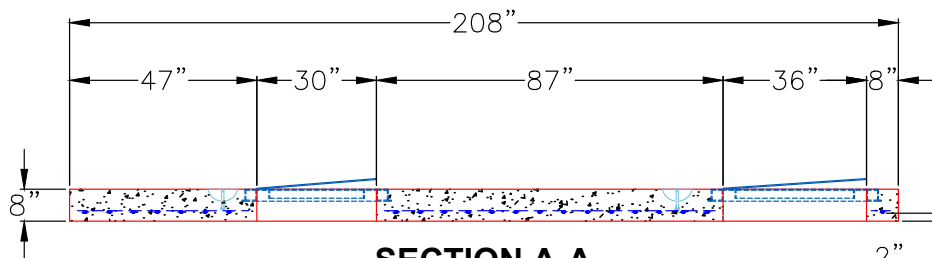
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" E.W. O.C. (GRADE 60).
4. HATCH: 30"x30" & 36"x36" ALUMINUM HATCHES SUPPLIED BY OTHERS & CAST IN TOP SLAB BY ICAST
5. HATCH TO BE CAST INTO TOP OF LID.
6. ALL SECTION REQUIRE CONBLOCK CDA RED ADMIXTURE

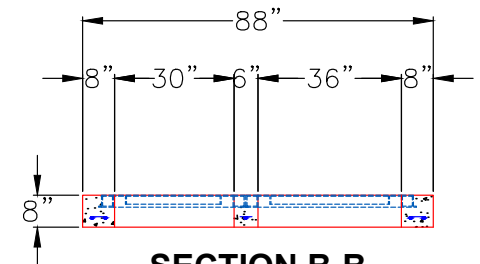


PLAN VIEW



SECTION A-A

(RIGHT-SIDE-UP VIEW)



SECTION B-B

(RIGHT-SIDE-UP VIEW)

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 10813 lb
Volume (Net): 2.76cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures

Job Location: Bowling Green, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/11/2026 9:19:09 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: DBI-16

P1 BX3648-08BA60

BOX BASE 8inW, 8inF T/n

P4) 24" x 30" - CASTING HEIGHT - 3.50"

P3) 36" x 48" - CB FLAT TOP 8"W w/24"x30" HOLE F/F - 8"

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

P1) 36" x 48" - BOX BASE 8inW, 8inF T/n - 60"

1) CASTING - HOE KY-460-11 F/G (DBI 11)

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

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

1) Hole - 50

1) Hole - 44

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

0 lb

1751 lb

6444 lb

8280 lb

421 lb

0 lb

0 lb

0 lb

0 lb

0 lb

16896 lb

Structure Total:

16896 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE KY-460-11 F/G).

REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

Rim: 591'

Rim to Invert: 9.99'

Slack: 0.38"

Sump: 0"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	581.01'	90°	32"	42" HDPE	47.7"	Hole 50	50"	49"	-3.15"	0"
Invert 2	581.01'	270°	32"	36" HDPE	41.7"	Hole 44	44"	44"	-2.85"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

(P4)

(P3)

(P2)

(P1) <<

Step: 180°

Shift: 0"

36"

48"

+ 0°-

Invert: 1

Degree: 90°

Horz: 24"

Hole: 50"

Up(): -3.15"

Invert: 2

Degree: 270°

Horz: 24"

Hole: 44"

Up(): -2.85"

Step: 180°

Shift: 0"

36"

48"

- 0°+

Invert: 2

Degree: 270°

Horz: 24"

Hole: 44"

Up(): -2.85"

Invert: 1

Degree: 90°

Horz: 24"

Hole: 50"

Up(): -3.15"

INSIDE WALL DIMENSIONS

-2.85"

2

24"

Left

-3.15"

1

24"

Right (48")

Back (36")

Front

8"

60"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

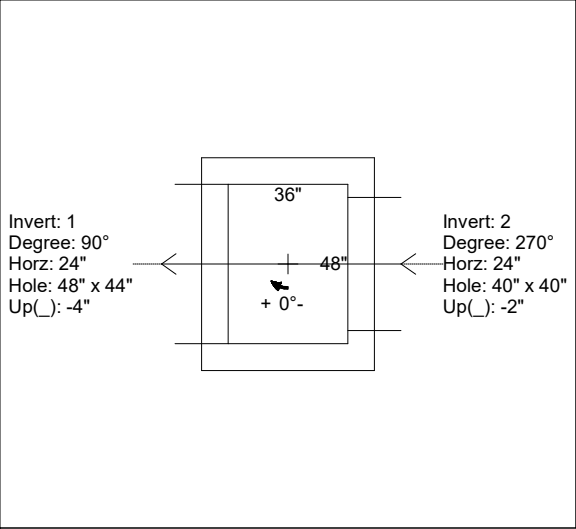
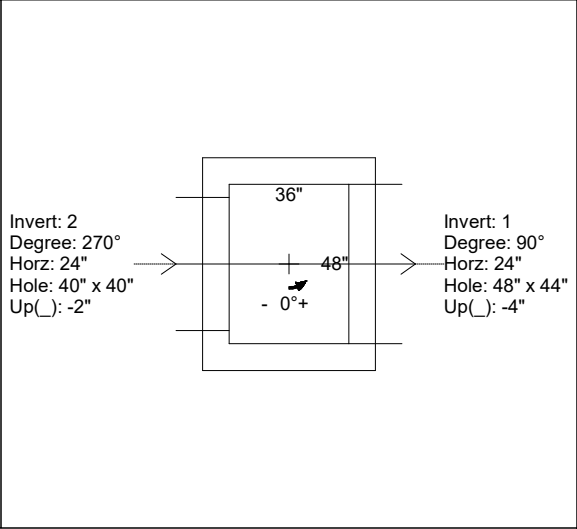
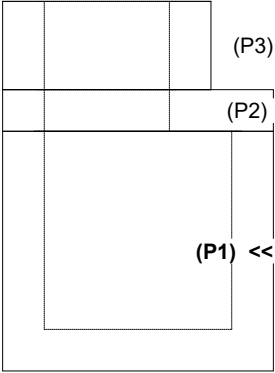
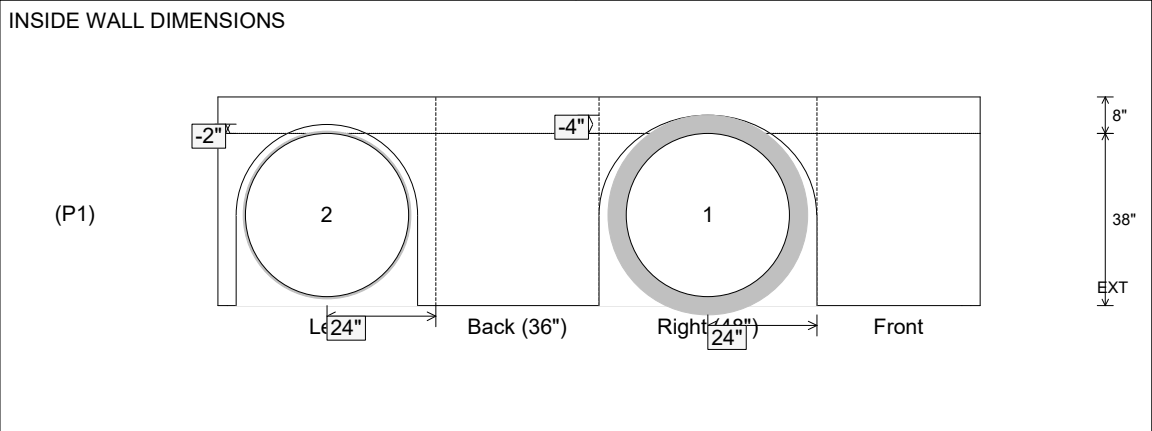
Floor Height: 8"

Height (Int): 60"

Height (Ext): 68"

Weight (Net): 8280 lb

Volume (Net): 2.12cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:26 AM		Tech: J. Coppage PC: T. Ryan					
Structure ID: 5081+13 RT CBBI-MOD B1												
P1		BX3648-08BAVF			BOX BASE 8inW, 8inF, Variable Ht							
P3) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17" P2) 36" x 48" - CB FT REDUCER 24"X36" HOLE-FT - 8" P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 38" 1) 36" x 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 48"x44" 1) DOGHOUSE INVRTD - 40"x40"					4000 lb 977 lb 5476 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 10454 lb		Structure Notes: . -KYTC STATE PROJECT 251007 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.) -CASTING FRAMES & GRATES BY OTHERS. -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST). -KYTC CERTIFICATIONS REQUIRED.					
Rim: 580.31'					Rim to Invert: 5.25'		Slack: 0"		Sump: 0"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	575.06'	90°	32"	36" RCP B WALL	44"	DOGHOUSE INVRTD 48"x44"	48" x 44"	48"	-4"	0"		
Invert 2	575.06'	270°	32"	36" CMP	37"	DOGHOUSE INVRTD 40"x40"	40" x 40"	40"	-2"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions)   INSIDE WALL DIMENSIONS 												
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 38" Height (Ext): 46"		Weight (Net): 5476 lb Volume (Net): 1.4cu.yd		

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:28:41 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 5081+13 RT CBBI-MOD B1

P2 BX036048-08TS024036

CB FT REDUCER 24"X36" HOLE-FT

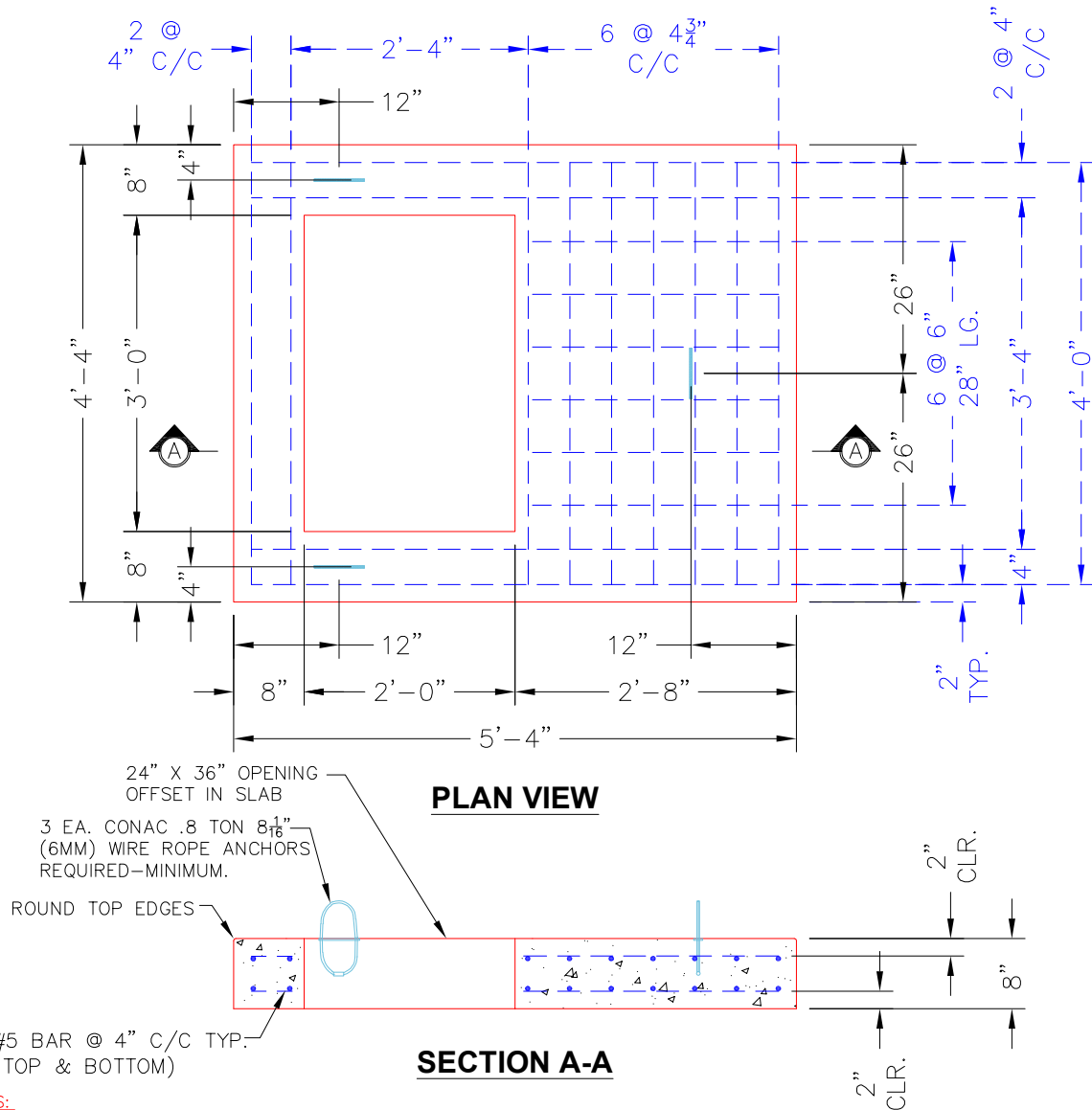
- P3) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17"
P2) 36" x 48" - CB FT REDUCER 24"X36" HOLE-FT - 8"
P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 38"
1) 36" x 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) DOGHOUSE INVRTD - 48"x44"
1) DOGHOUSE INVRTD - 40"x40"

4000 lb
977 lb
5476 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 10454 lb

Structure Notes:

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



NOTES:

- CONCRETE: 4500 PSI @ 28 DAYS.
- MANUFACTURED TO KYTC & ASTM C-913 SPECIFICATIONS.
- REINFORCING: #5 BAR AS SHOWN-GRADE 60.
(TOP & BOTTOM LAYER)
- 3 EA. CONAC WIRE LOOP LIFTS REQUIRED (MIN.)

#5 BAR CUT LIST

- 8 EA. @ 60" LG.
- 18 EA. @ 48" LG.
- 12 EA. @ 28" LG.

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 977 lb
Volume (Net): 0.25cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures
Job Location: Bowling Green, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

Tech: S. Felletter

8/11/2026 9:22:06 AM

PC: M. Sullivan



Structure ID: DBI-13

P2 BX060060-08LD08-S

BX FLAT LID 8inW w/24"x30" HOLE F/F

- P3) 24" x 30" - CASTING HEIGHT - 3.50"
P2) 60" x 60" - BX FLAT LID 8inW w/24"x30" HOLE F/F - 8"
P1) 60" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 52"
1) CASTING - HOE KY-460-11 F/G (DBI 11)
1) 60" x 60" - Conseal CS-102 1.00"
1) 24" x 30" - Conseal CS-102 1.00"
1) DOGHOUSE INVRTD - 56"x54"
1) Hole - 50
4) MH Step ML-10-TDS-NCR - 10"

0 lb
3394 lb
10088 lb
421 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

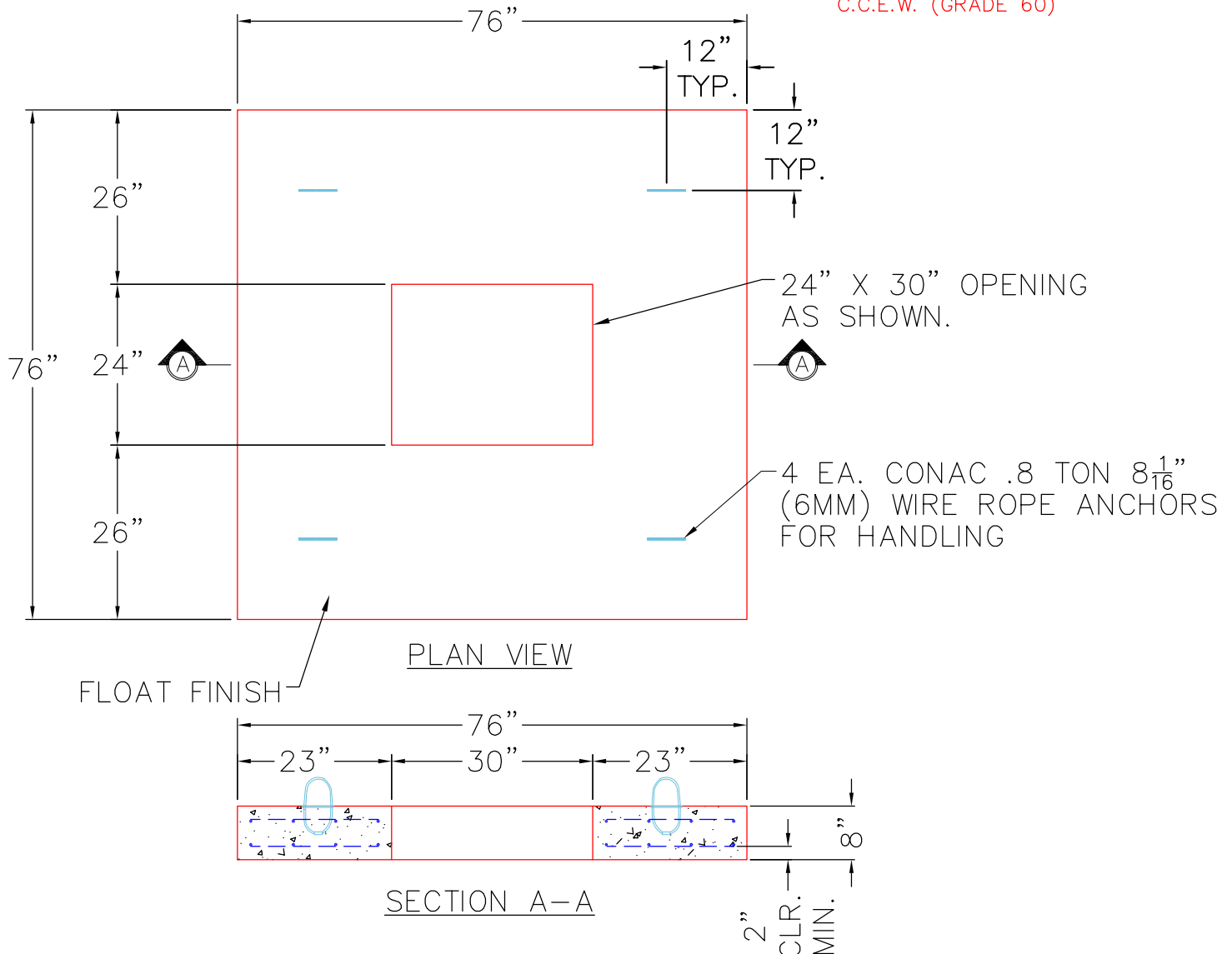
Structure Total: 13903 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE KY-460-11 F/G).
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS/FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 3394 lb
Volume (Net): 0.87cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:51:46 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 15+86 MOD MH TYPE C

P1 BX084132-08W12FEBAVF

BX BASE w/FLANGE 08W/12F/08EF

- P5) 24" - CASTING HEIGHT - 4"
P4) 24" - GRADE RING - 3"
P3) 48" - ECC CONE w/ 24" HOLE - 42"
P2) 84" x 132" - CB FT REDUCER 48" HOLE - 10"
P1) 84" x 132" - BX BASE w/FLANGE 08W/12F/08EF - 84"
1) 48" - SGL 1"x14.5" Butyl
1) Hole - 52
2) Hole - 40
1) SQ. Hole - 68"x68"
4) Vert. Notch - 7"x9"x5"

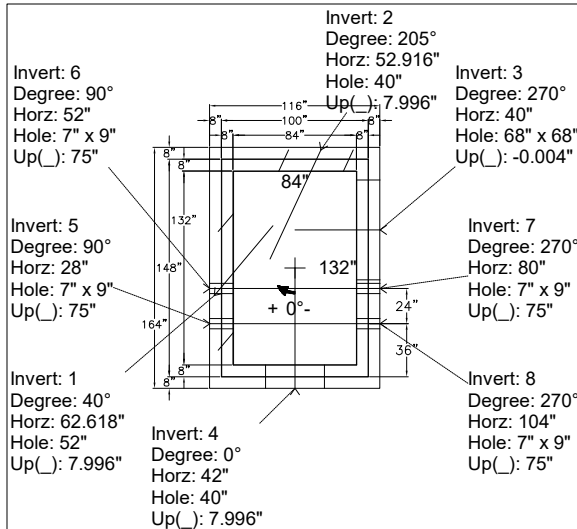
- 0 lb
202 lb
3200 lb
10901 lb
36186 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 50489 lb
- Structure Notes:**
-KYTC STATE PROJECT 251007
-KYTC CERTIFICATIONS REQUIRED.
1. PER KYTC MANHOLE TYPE C / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL
4. CASTING PROVIDED BY OTHERS.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TRANS. SLAB #5's AT 6" C.C.E.W (DBL MAT).
- WALLS #5's AT 6" C.C.E.W.
- FLOOR #5's AT 12" C.C.E.W..
6. PRODUCTION TO PLACE 4X POCKETS FOR I-BEAMS (I-BEAM PROVIDED BY OTHERS)

FIRST POUR DRAWING

Rim: 563.25' Rim to Invert: 11.1' Slack: 0.196" Sump: 9.996" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	552.15'	40°	61.084"	48" CMP	49"	Hole 52	52"	80.898"	7.996"	30"
Invert 2	552.15'	205°	64.646"	36" CMP	37"	Hole 40	40"	44.135"	7.996"	-18"
Invert 3	552.15'	270°	48"	48" x 48" BOX CULV. (8W8F8T)	64" x 64"	SQ. Hole 68"x68"	68" x 68"	68"	-0.004"	-26"
Invert 4	552.15'	0°	50"	36" CMP	37"	Hole 40	40"	40"	7.996"	0"
Invert 5	557.942'	90°	36"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	-38"
Invert 6	557.942'	90°	60"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	-14"
Invert 7	557.942'	270°	88"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	14"
Invert 8	557.942'	270°	112"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	38"

RIGHT-SIDE UP VIEW (int. dimensions)



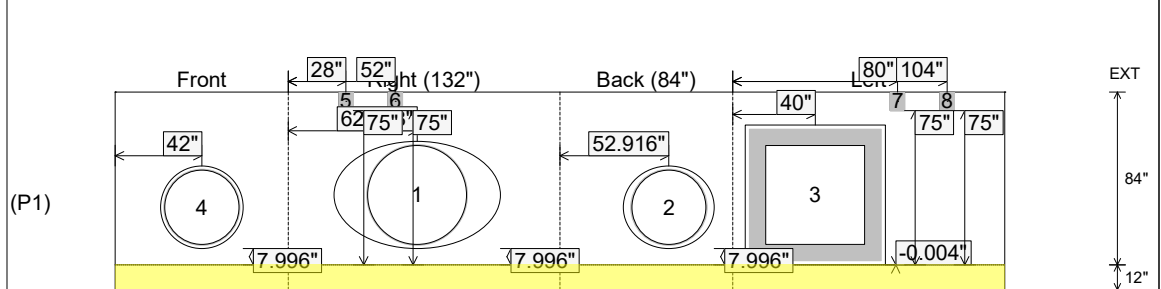
WEIGHTS:

FIRST POUR: 19,156 LBS

SECOND POUR: 17,030 LBS

TOTAL: 36,186 LBS

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 12"

Height (Int): 84"
Height (Ext): 96"

Weight (Net): 36186 lb
Volume (Net): 9.24cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:51:46 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 15+86 MOD MH TYPE C

P1 BX084132-08W12FEBAVF

BX BASE w/FLANGE 08W/12F/08EF

- P5) 24" - CASTING HEIGHT - 4"
P4) 24" - GRADE RING - 3"
P3) 48" - ECC CONE w/ 24" HOLE - 42"
P2) 84" x 132" - CB FT REDUCER 48" HOLE - 10"
P1) 84" x 132" - BX BASE w/FLANGE 08W/12F/08EF - 84"
1) 48" - SGL 1"x14.5" Butyl
1) Hole - 52
2) Hole - 40
1) SQ. Hole - 68"x68"
4) Vert. Notch - 7"x9"x5"

- Structure Notes:
-KYTC STATE PROJECT 251007
-KYTC CERTIFICATIONS REQUIRED.
1. PER KYTC MANHOLE TYPE C / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL
4. CASTING PROVIDED BY OTHERS.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TRANS. SLAB #5's AT 6" C.C.E.W (DBL MAT).
- WALLS #5's AT 6" C.C.E.W.
- FLOOR #5's AT 12" C.C.E.W..
6. PRODUCTION TO PLACE 4X POCKETS FOR I-BEAMS (I-BEAM PROVIDED BY OTHERS)

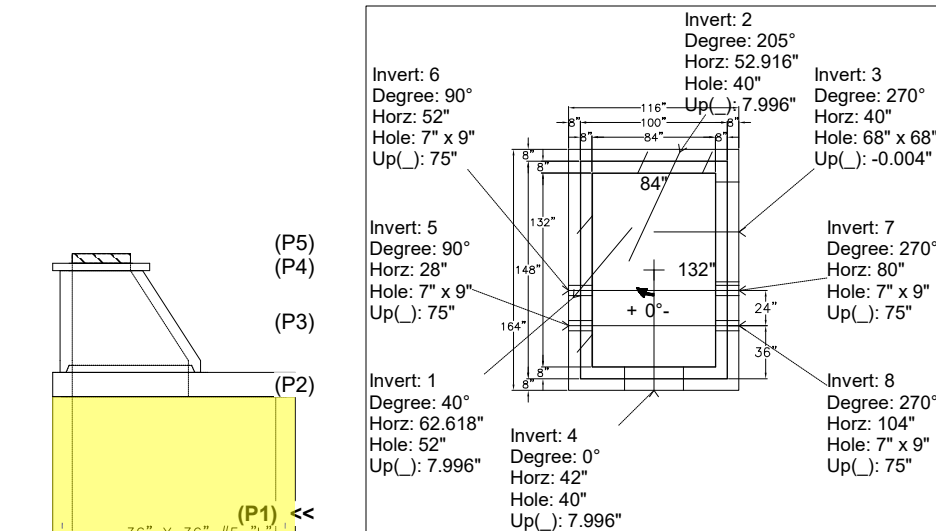
Structure Total: 50489 lb

SECOND POUR DRAWING

Rim: 563.25' Rim to Invert: 11.1' Slack: 0.196" Sump: 9.996" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	552.15'	40°	61.084"	48" CMP	49"	Hole 52	52"	80.898"	7.996"	30"
Invert 2	552.15'	205°	64.646"	36" CMP	37"	Hole 40	40"	44.135"	7.996"	-18"
Invert 3	552.15'	270°	48"	48" x 48" BOX CULV. (8W8F8T)	64" x 64"	SQ. Hole 68"x68"	68" x 68"	68"	-0.004"	-26"
Invert 4	552.15'	0°	50"	36" CMP	37"	Hole 40	40"	40"	7.996"	0"
Invert 5	557.942'	90°	36"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	-38"
Invert 6	557.942'	90°	60"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	-14"
Invert 7	557.942'	270°	88"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	14"
Invert 8	557.942'	270°	112"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	38"

RIGHT-SIDE UP VIEW (int. dimensions)



WEIGHTS:

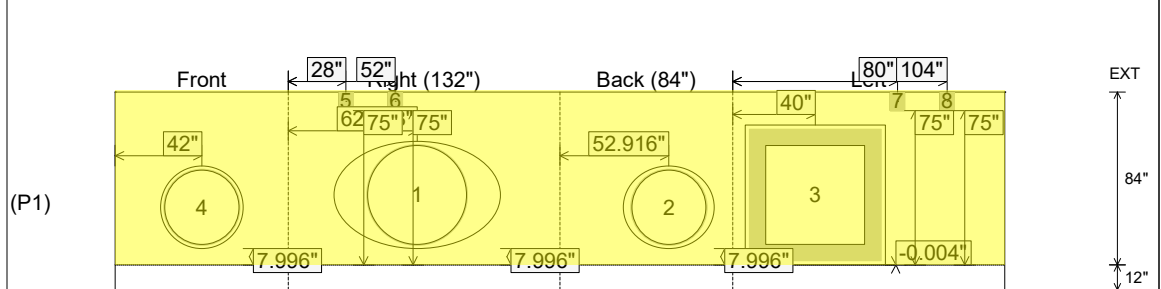
FIRST POUR: 19,156 LBS

SECOND POUR: 17,030 LBS

TOTAL: 36,186 LBS

4 ea. 8CA18 CONAC A-ANCHOTS FOR PLANT & FIELD HANDLING. INSTALLED IN 0-DEGREE & 180-DEGREE WALLS, 24" FROM THE TOP OF THE WALLS.

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 12"

Height (Int): 84"
Height (Ext): 96"

Weight (Net): 36186 lb
Volume (Net): 9.24cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:51:46 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 15+86 MOD MH TYPE C

P1 BX084132-08W12FEBAVF

BX BASE w/FLANGE 08W/12F/08EF

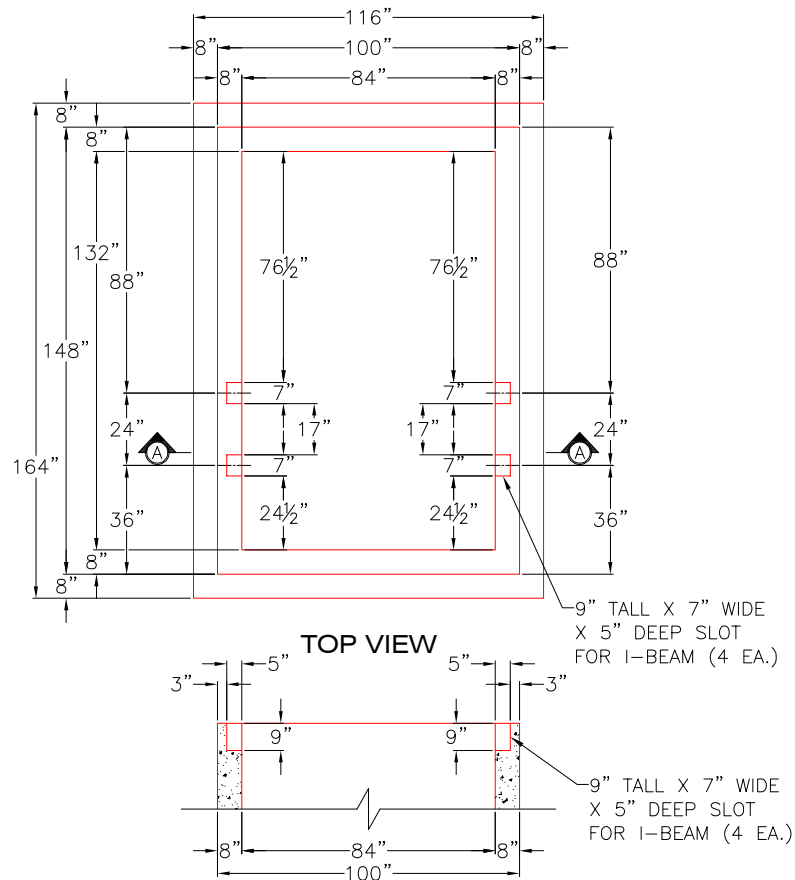
- P5) 24" - CASTING HEIGHT - 4"
P4) 24" - GRADE RING - 3"
P3) 48" - ECC CONE w/ 24" HOLE - 42"
P2) 84" x 132" - CB FT REDUCER 48" HOLE - 10"
P1) 84" x 132" - BX BASE w/FLANGE 08W/12F/08EF - 84"
1) 48" - SGL 1"x14.5' Butyl
1) Hole - 52
2) Hole - 40
1) SQ. Hole - 68"x68"
4) Vert. Notch - 7"x9"x5"

- 0 lb
202 lb
3200 lb
10901 lb
36186 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
- Structure Notes:**
-KYTC STATE PROJECT 251007
-KYTC CERTIFICATIONS REQUIRED.
1. PER KYTC MANHOLE TYPE C / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL
4. CASTING PROVIDED BY OTHERS.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TRANS. SLAB #5's AT 6" C.C.E.W (DBL MAT).
- WALLS #5's AT 6" C.C.E.W.
- FLOOR #5's AT 12" C.C.E.W..
6. PRODUCTION TO PLACE 4X POCKETS FOR I-BEAMS (I-BEAM PROVIDED BY OTHERS)

Structure Total: 50489 lb

Rim: 563.25' Rim to Invert: 11.1' Slack: 0.196' Sump: 9.996' Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	552.15'	40°	61.084"	48" CMP	49"	Hole 52	52"	80.898"	7.996"	30"
Invert 2	552.15'	205°	64.646"	36" CMP	37"	Hole 40	40"	44.135"	7.996"	-18"
Invert 3	552.15'	270°	48"	48" x 48" BOX CULV. (8W8F8T)	64" x 64"	SQ. Hole 68"x68"	68" x 68"	68"	-0.004"	-26"
Invert 4	552.15'	0°	50"	36" CMP	37"	Hole 40	40"	40"	7.996"	0"
Invert 5	557.942'	90°	36"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	-38"
Invert 6	557.942'	90°	60"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	-14"
Invert 7	557.942'	270°	88"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	14"
Invert 8	557.942'	270°	112"	7" x 9" I-Beam Notch	7" x 9"	Vert. Notch 7"x9"x5"	7" x 9"	7"	75"	38"



TOP VIEW

TOP VIEW

I-BEAM SLOT INFORMATION

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 12"	Height (Int): 84" Height (Ext): 96"	Weight (Net): 36186 lb Volume (Net): 9.24cu.yd
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Job Name: 26-1987 Project Nova
Job Location: 200 South, IN 47882
Contractor: McCreary Concrete Products, Inc

Plant: 100
8/7/2026 9:24:06 AM

Tech: Jared - A
PC: Jay Ross Jarvis



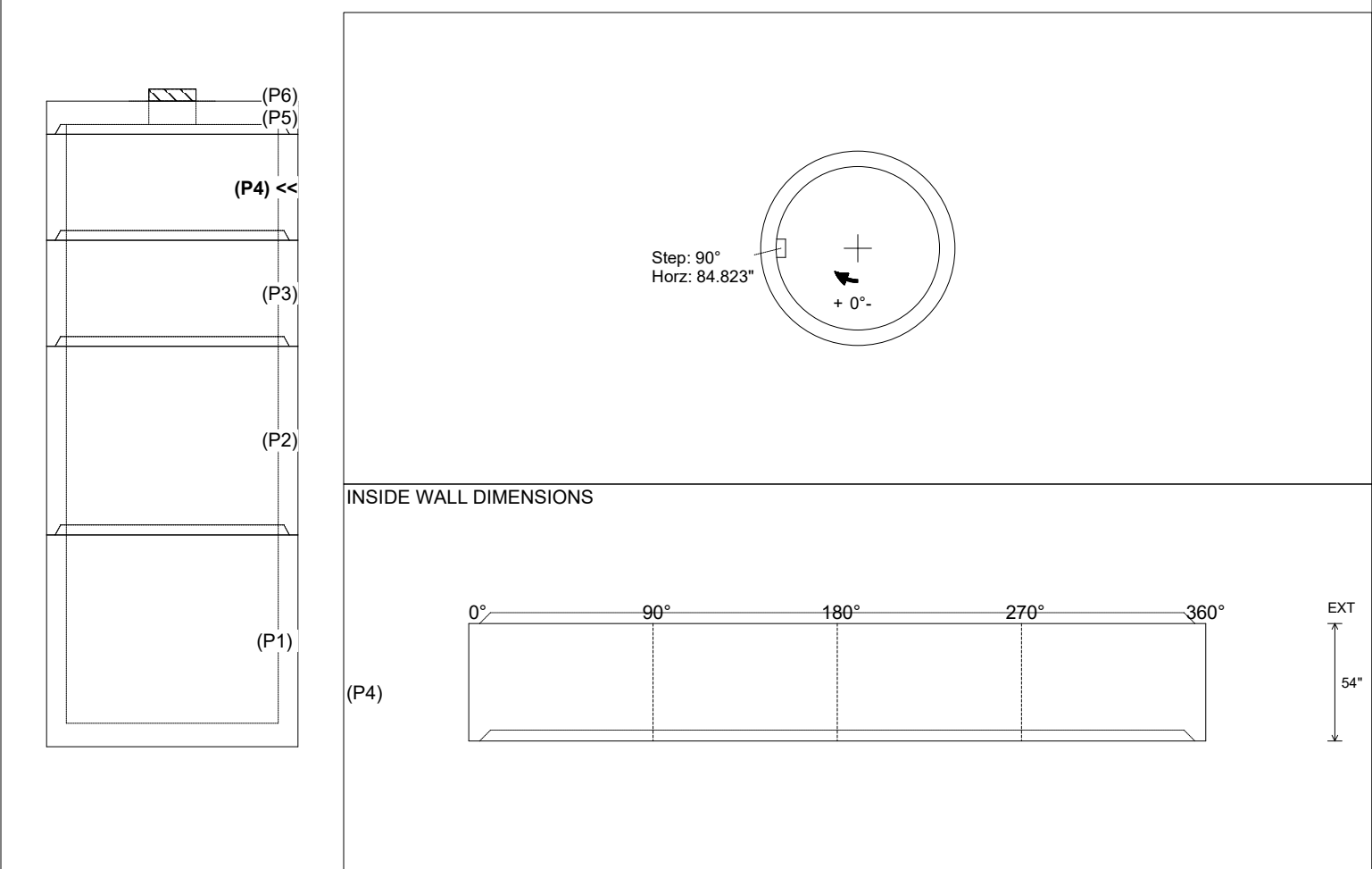
Structure ID: STMH-1209A

P4 MH108RS54 MH RISER

P6) 24" x 36" - CASTING HEIGHT - 6" P5) 108" - MH FLAT TOP w/24" X 36" HOLE - 17" P4) 108" - MH RISER - 54" P3) 108" - MH RISER - 54" P2) 108" - MH RISER - 96" P1) 108" - MH BASE - 96" 4) 108" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 75 1) Hole - 62 26) MH Step ML-10-TDS-NCR - 10"	0 lb 12900 lb 16798 lb 16798 lb 29863 lb 36119 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 112477 lb	Structure Notes: . **INDOT STATE PROJECT** 1. INDOT MH TYPE M / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .30) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.
Rim: 512.46' Rim to Invert: 26.45' Slack: 0.4" Sump: 6" Step Position: 90°		

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										

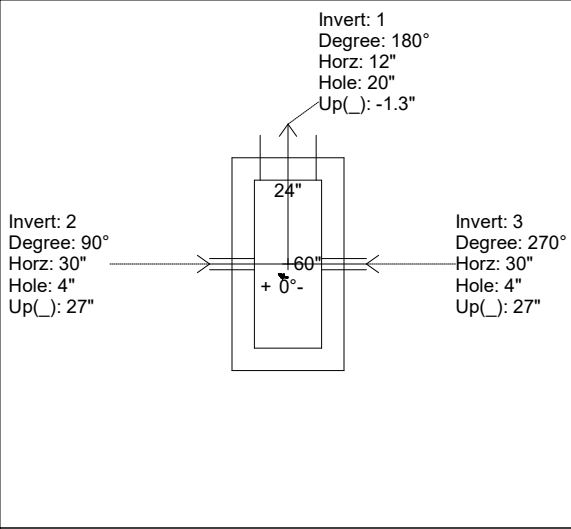
RIGHT-SIDE UP VIEW (int. dimensions)



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 10" Floor Height: 0"	Height (Int): 54" Height (Ext): 54"	Weight (Net): 16798 lb Volume (Net): 4.29cu.yd
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Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)					Plant: Beaver Dam		Tech: J. Horsley				
Job Location: Hopkinsville, KY					7/30/2026 8:55:15 AM		PC: C. Goff				
Contractor: Scotty's Contracting & Stone, LLC											
Structure ID: 232 (424+73 RT)											
P1 BX2460-08BAVF BOX BASE 8inW, 8inF, Variable Ht F/n											
P4) 15" x 59" - P.I.P. - BY OTHERS - 8" P3) 15" x 59" - FIELD ADJUSTMENT - 3" P2) 24" x 60" - BX FLAT LID 8inW, w/15"x59" HOLE (KYTC DBI-13S) F/F - 8" P1) 24" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 36" 1) CASTING - HOE KY-230-G F/G (GRADE) 1) 24" x 60" - Conseal CS-102 1.00" 1) Hole - 20 2) Hole - 4					0 lb 0 lb 1461 lb 6646 lb 237 lb 0 lb 0 lb 0 lb ----- Structure Total: 8344 lb		Structure Notes: **KYTC STATE PROJECT** 1. KYTC DBI TYPE 13S / ASTM C-913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-230S F/G) 4. STUB #5 BARS 4" OUT TOP OF TOP SLAB (SPA AT 12" C/C) AROUND 15"x59" HOLE. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. (DBL MAT). - WALLS (As .31) #5 BARS AT 12" C.C.E.W.. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 547.95' Rim to Invert: 4.61' Slack: 0.32" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	543.34'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 2	545.59'	90°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	27"	0"	
Invert 3	545.59'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	27"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



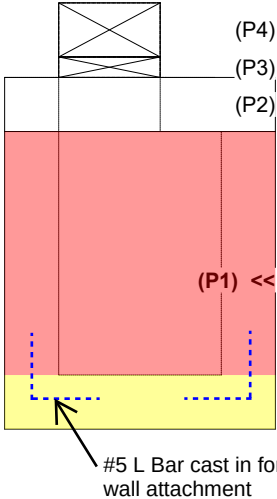
UPSIDE-DOWN VIEW (int. dimensions)

2-Stage Pour Required

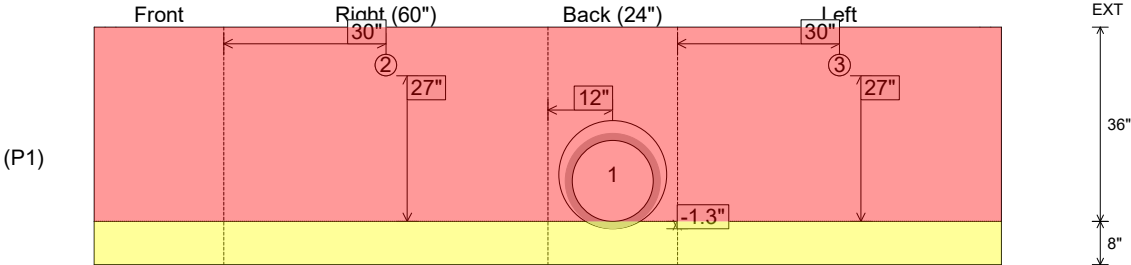
First pour drawing

First pour weight = 2,040 LBS

Second pour weight = 4,606 LBS



INSIDE WALL DIMENSIONS



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): 6646 lb Volume (Net): 1.7cu.yd
----------------------------------	-------------------------------	--	--	---

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)

Job Location: Hopkinsville, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

7/30/2026 8:55:15 AM

Tech: J. Horsley

PC: C. Goff



Structure ID: 232 (424+73 RT)

P1 BX2460-08BAVF

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

P4) 15" x 59" - P.I.P. - BY OTHERS - 8"

P3) 15" x 59" - FIELD ADJUSTMENT - 3"

P2) 24" x 60" - BX FLAT LID 8inW, w/15"x59" HOLE (KYTC DBI-13S) F/F - 8"

P1) 24" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 36"

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

1) 24" x 60" - Conseal CS-102 1.00"

1) Hole - 20

2) Hole - 4

0 lb

0 lb

1461 lb

6646 lb

237 lb

0 lb

0 lb

0 lb

Structure Total: 8344 lb

Structure Notes:

KYTC STATE PROJECT

1. KYTC DBI TYPE 13S / ASTM C-913 SPEC'S.

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

3. CASTING BY ICAST (HOE KY-230S F/G)

4. STUB #5 BARS 4" OUT TOP OF TOP SLAB (SPA AT 12" C/C) AROUND 15"x59" HOLE.

REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

Rim: 547.95'

Rim to Invert: 4.61'

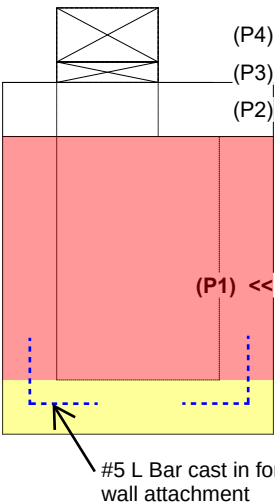
Slack: 0.32"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	543.34'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"
Invert 2	545.59'	90°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	27"	0"
Invert 3	545.59'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	27"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

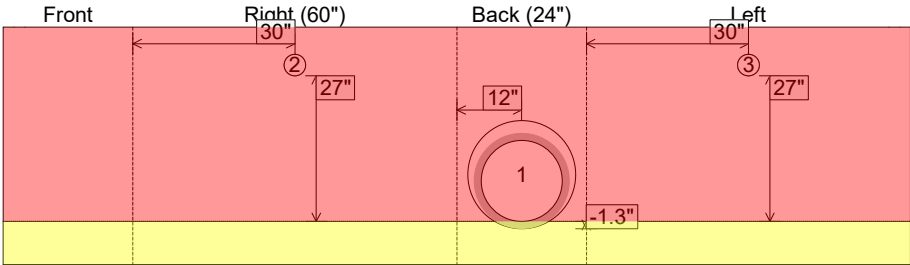
2-Stage Pour Required

Second pour drawing

First pour weight = 2,040 LBS

Second pour weight = 4,606 LBS

INSIDE WALL DIMENSIONS



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): 6646 lb

Volume (Net): 1.7cu.yd

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

Plant: 100

Tech: Jared - A

7/1/2026 12:33:15 PM

PC: J. Jarvis



Structure ID: 469

P2 BX024030-08LD08-15X27

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

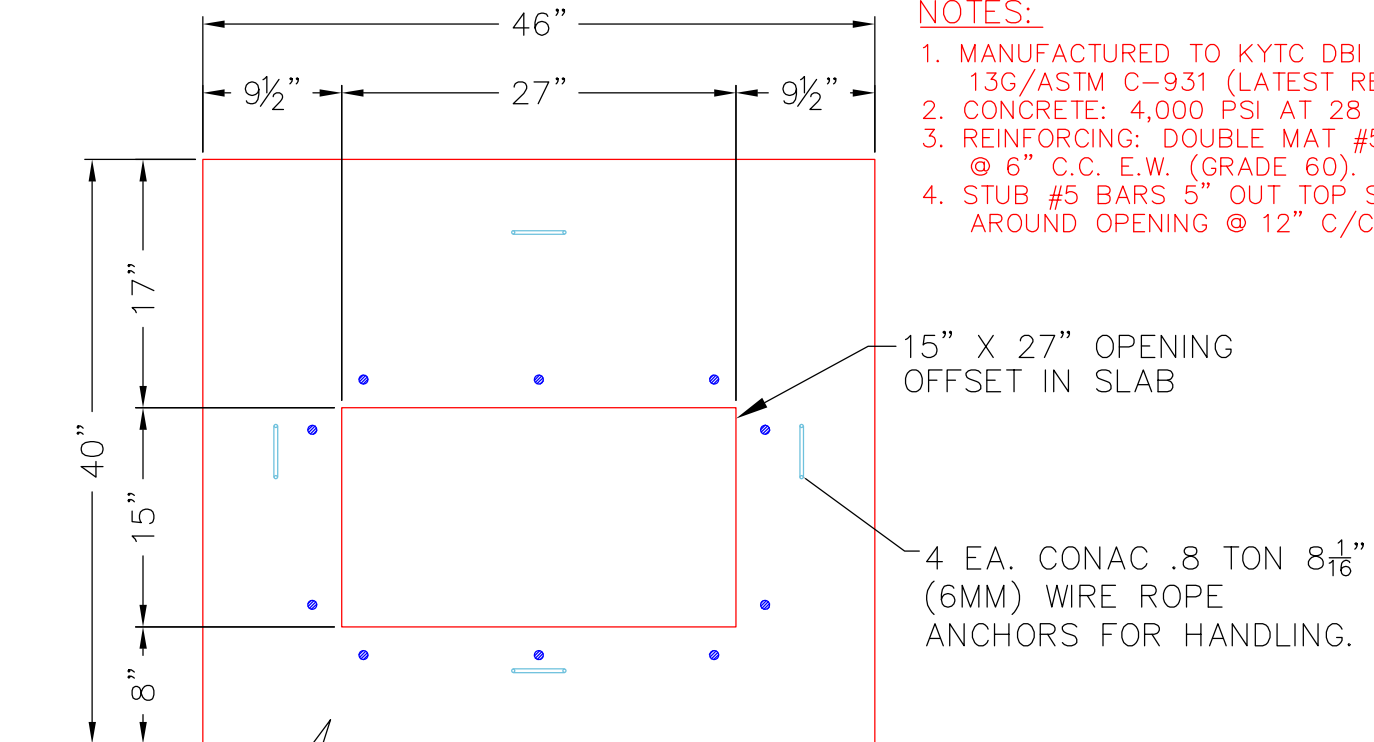
P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 44"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 24
2) Hole - 4

0 lb
963 lb
4705 lb
237 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 5905 lb

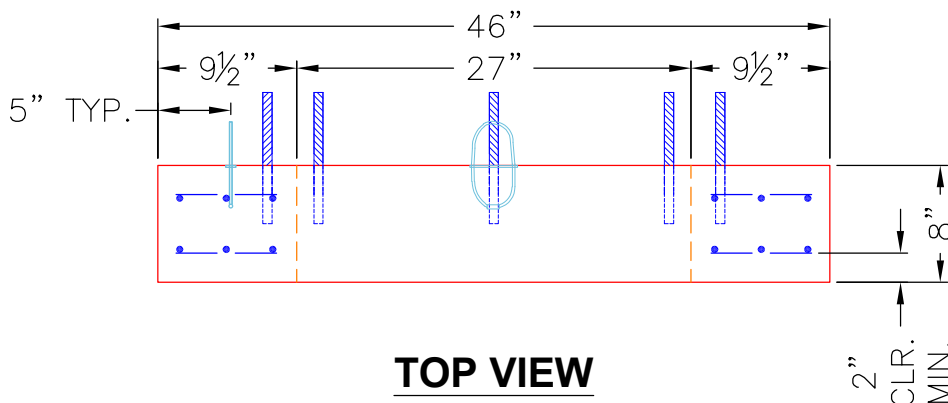
Structure Notes:

KYTC STATE PROJECT

1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB
(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE



PLAN VIEW



TOP VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

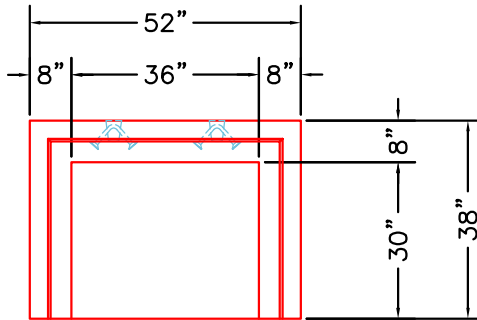
Wall Thickness: 8"

Height (Ext): 8"

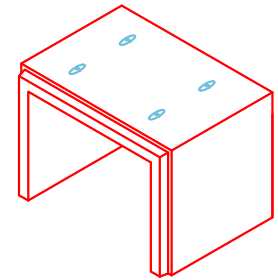
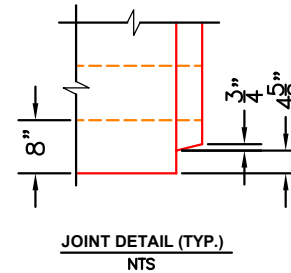
Weight (Net): 963 lb
Volume (Net): 0.25cu.yd

GENERAL NOTES

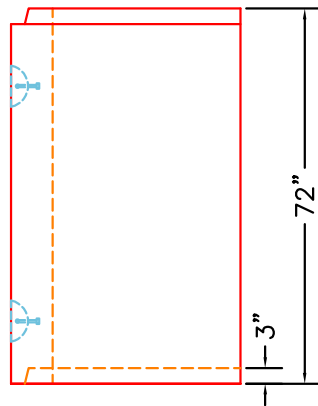
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCING: PER ASTM C1577 (GRADE 60). SEE ATTACHED STAMPED DESIGN CALCULATIONS.
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 36" X 30" X 69" LONG SECTION = 5,188 LBS.



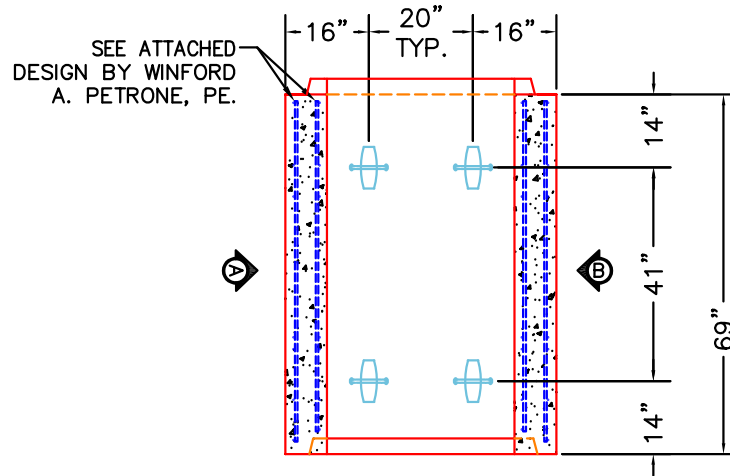
END VIEW



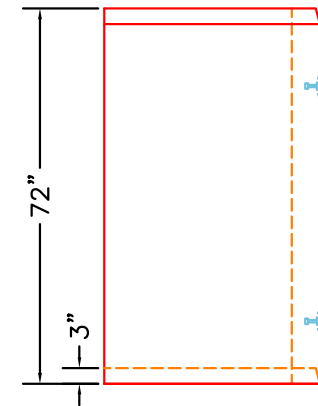
**COMPONENT
ISOMETRIC VIEW**



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 5,188 LBS.

TOP JOINT: TONGUE

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 36" X 30" X 69" LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 36" X 30" X 69" BOX CULVERT (P4)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/31/26

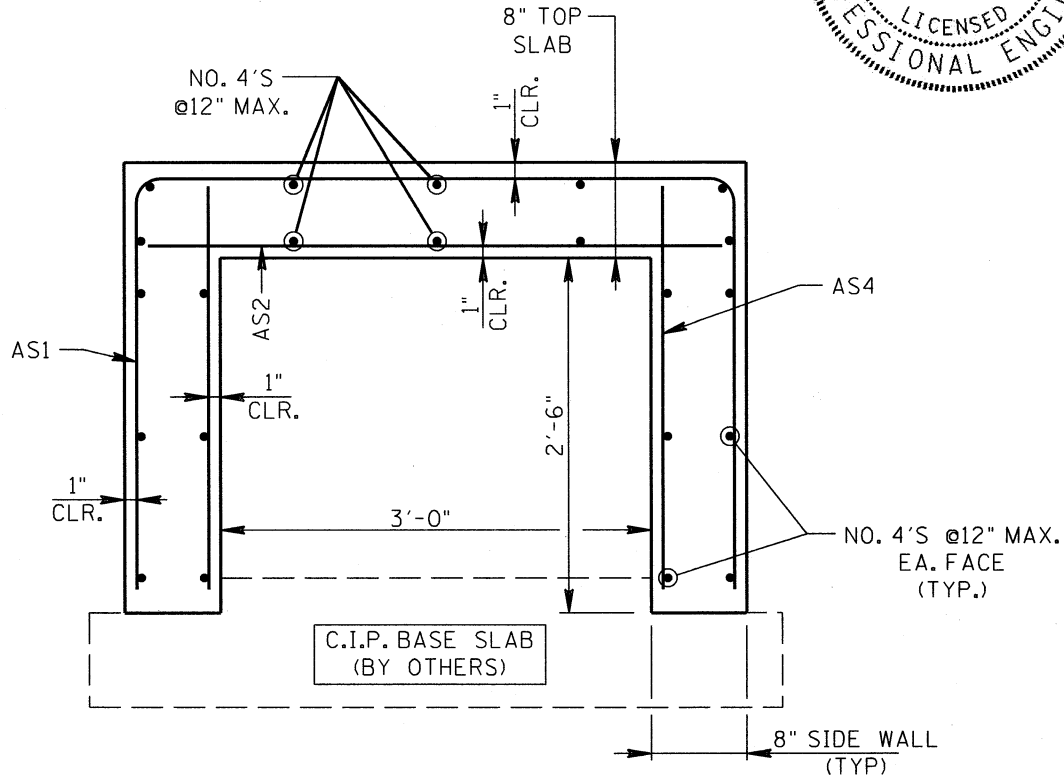
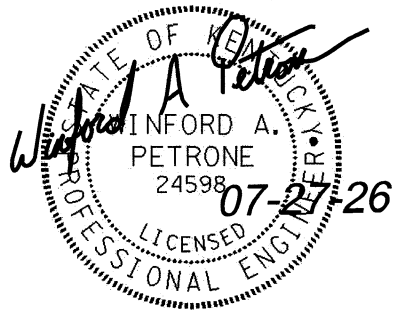
SCALE: NTS

PG. 1 of 1

58/60

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

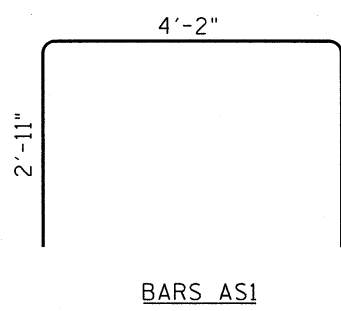
NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.



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

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

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



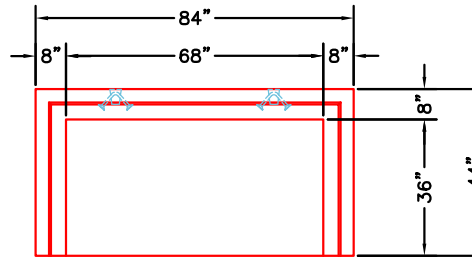
AS1, AS2, AND AS4 REINFORCING BARS
Fy-min=60 K.S.I.

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

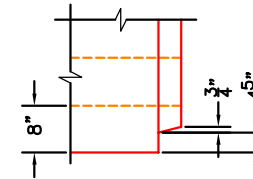
SK-4

GENERAL NOTES

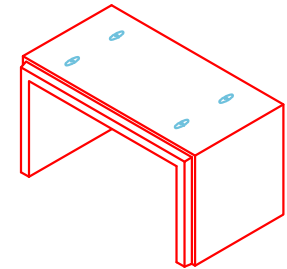
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. .LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCEMENT PER ATTACHED DESIGN BY WINFORD A. PETRONE, PE
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 68" X 36" X 69" LONG SECTION = 7,226 LBS.



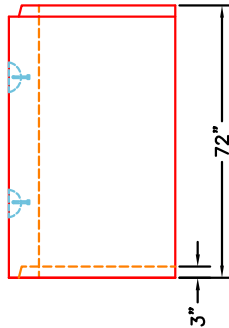
END VIEW



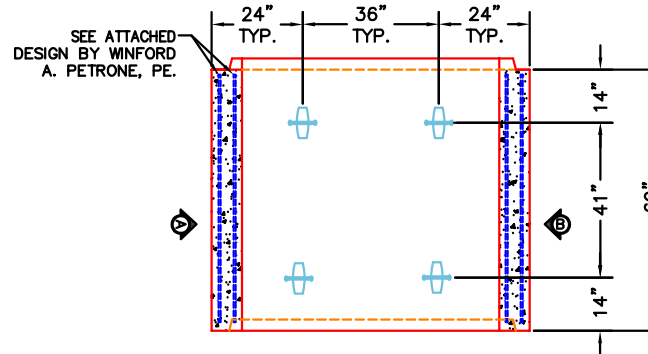
JOINT DETAIL (TYP.)
NTS



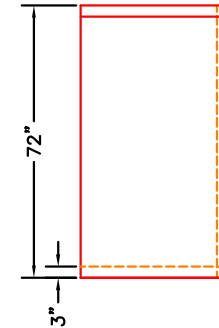
COMPONENT
ISOMETRIC VIEW



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 7,226 LBS.

TOP JOINT: TONGUE

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 68" X 36" X 69" LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 68" X 36" X 69" BOX CULVERT (P3)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

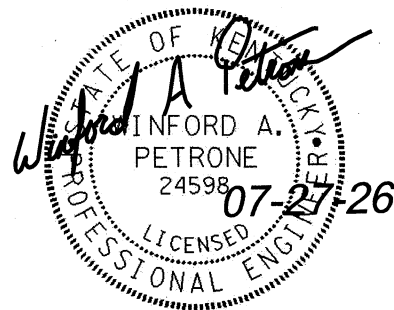
DATE: 07/31/26

SCALE: NTS

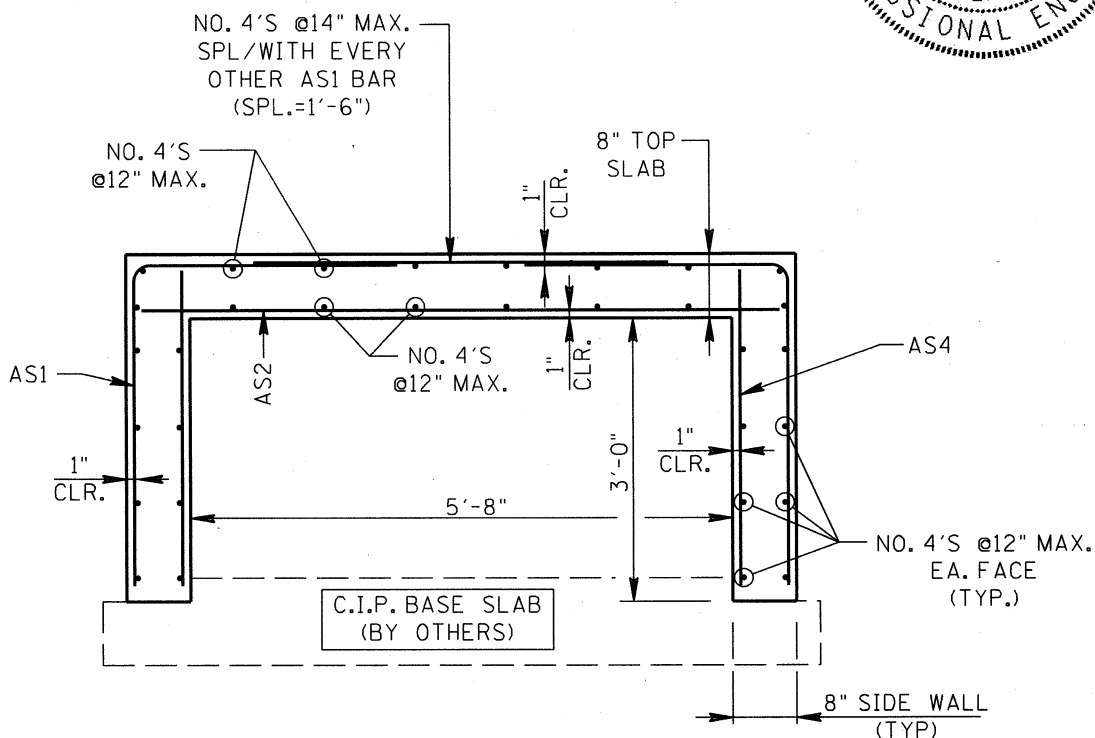
PG. 1 of 1

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

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



55/60

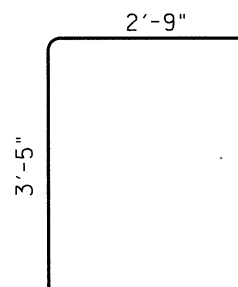


PRECAST TUNNEL SECTION

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

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

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



BARS AS1

AS1, AS2, AND AS4 REINFORCING BARS

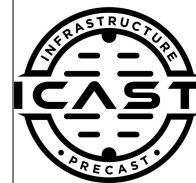
Fy-min=60 K.S.I.

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

SK-1

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

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



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 9"	Height (Ext): 59"	Weight (Net): 31830 lb Volume (Net): 8.13cu.yd
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Job Name: 26-2945 - The Cumberlands Lift Station
Job Location: Bowling Green, KY
Contractor: Endesol, Inc.

Plant: Beaver Dam

7/21/2026 1:57:22 PM

Tech: J. Coppage

PC: E. Bradley



Structure ID: Combo Lift Station

P2 CTRS

Combined Lift Station Walls/Floor

- P4) 36" x 54" - HATCH (CAST FLUSH) - 3"
P3) 96" - Combined Lift Station Top Slab Custom - 12"
P2) 96" - Combined Lift Station Walls/Floor - 59"
P1) 96" - MH BASE (12"F) Custom Ht - 64"
1) JOINT WRAP - 12" WD x 096" MAC WRAP
1) Cast-in Item - 2x Hatches
1) SECONDARY POUR - Walls For Vault Sect.
1) SECONDARY POUR - Vault Extension
1) HATCH (Alum.) - HALLIDAY S1R 36"x54"
1) HATCH (Alum.) - HALLIDAY S1R 42"x42"
1) SPECIAL Pre-Assembly of Internal Material Required
1) 96" - Conseal CS-231 1.00" (Double)
1) 36" x 54" - Conseal CS-231 1.00" (Double)
1) PSX - 8QRS-S NYLO
1) PSX - 12-08 NYLO
5) MH Step ML-10-TDS-NCR - 10"

SECOND POUR DRAWING

100 lb
11765 lb
31830 lb
26136 lb
0 lb
0 lb
0 lb
0 lb
91 lb
93 lb
0 lb
0 lb
0 lb
6 lb
8 lb
0 lb

Structure Notes:

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

GRADE 60 REINFORCING STEEL SCHEDULE

BASE SLAB: #6 @ 6" OC EW TOP, #5 @ 12" EW BOT
VALVE VAULT FLOOR SLAB: #5 @ 8" OC EW
VALVE VAULT WALL SECTION: #5 @ 12" OC EW
LID SLAB: #4 @ 12" OC EW TOP, #5 @ 12" EW BOT
(EXTRA #5 BAR AROUND THE HATCHES)

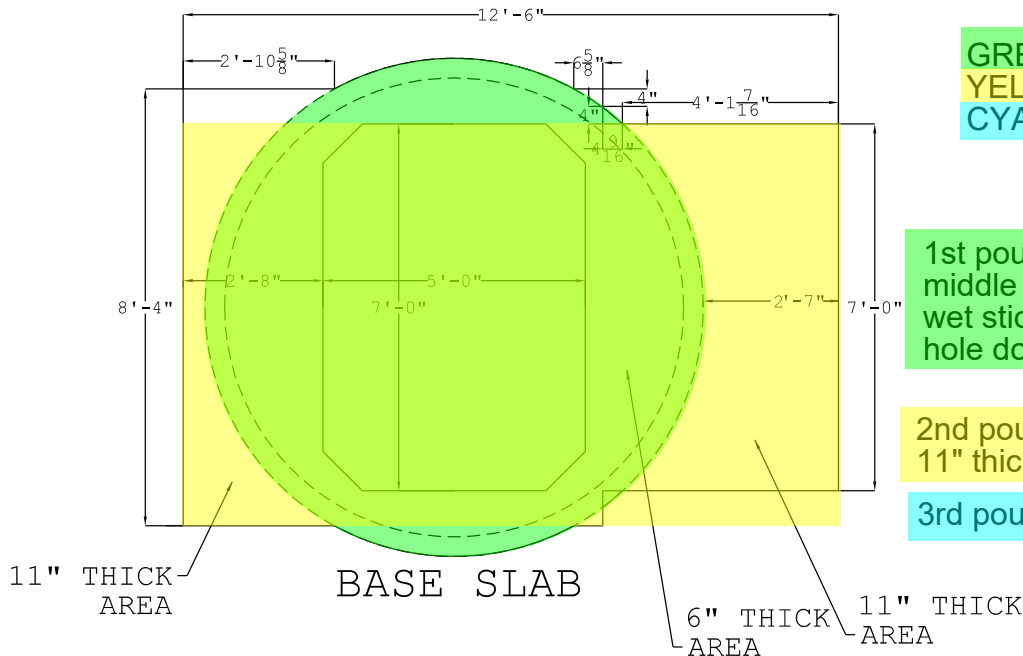
FIRST POUR - 3,896 LBS

SECOND POUR - 4,095 LBS

THIRD POUR - 23,877 LBS

Structure Total:

70029 lb



GREEN - FIRST POUR

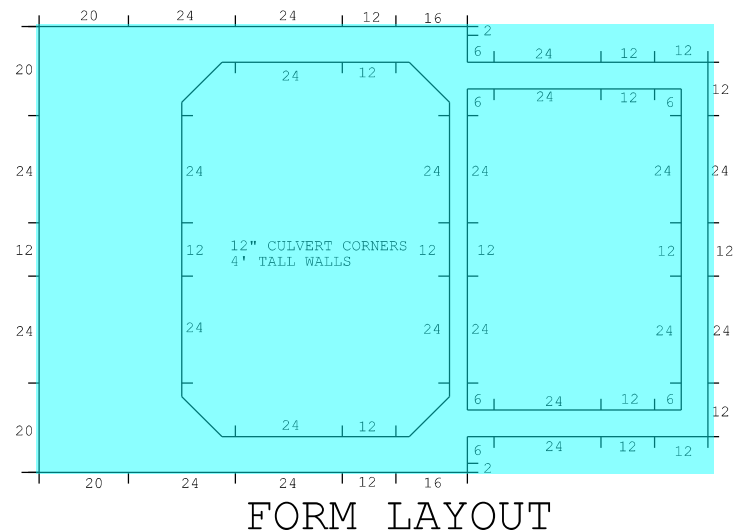
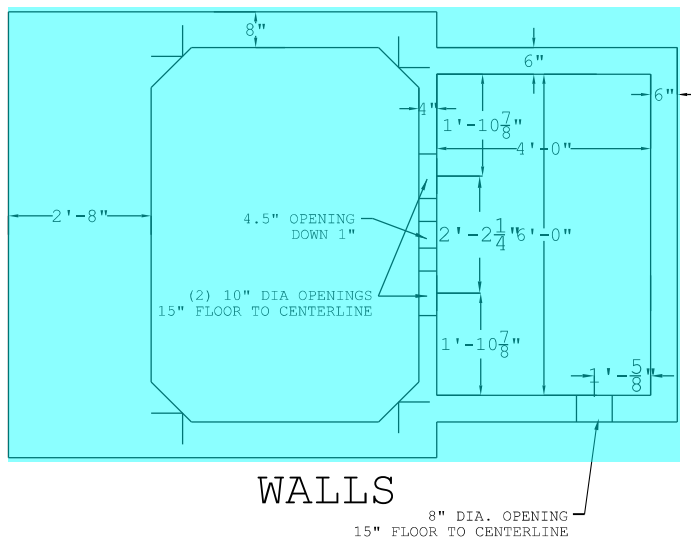
YELLOW - SECOND POUR

CYAN - THIRD POUR

1st pour use the 8' dia. jacket, make the middle area 6" thick (rather than 12") and wet stick verticals and countersink 4.5" hole down 1".

2nd pour add the extensions to the sides, 11" thick and wet stick verticals.

3rd pour is 4' tall walls with holes



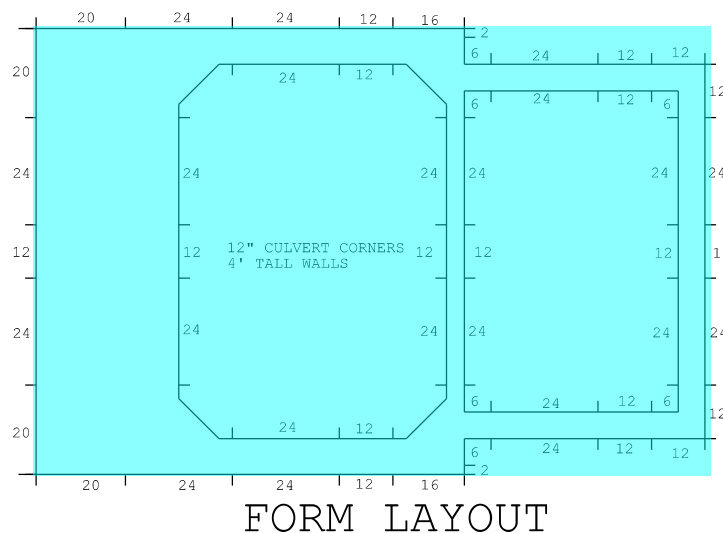
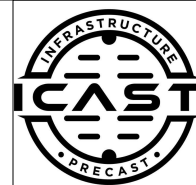
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 9"

Height (Ext): 59"

Weight (Net): 31830 lb
Volume (Net): 8.13cu.yd



Weight (Net): 31830 lb
Volume (Net): 8.13cu.yd

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:28 PM		Tech: J. Horsley PC: J. Jarvis					
Structure ID: WALL P12-P13 P2 CUSTOM WALL					WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG Hole - 2					1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)					
Rim: 696'					Rim to Invert: 7'		Slack: 0"		Sump: 60"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	689'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	24"	0"		
Invert 2												
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

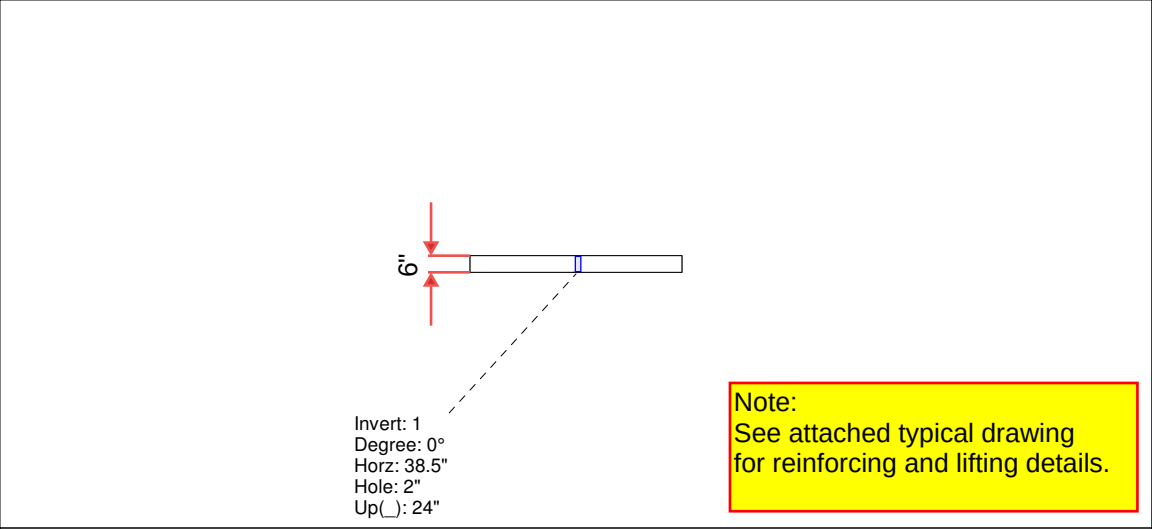
(P4)

(P3)

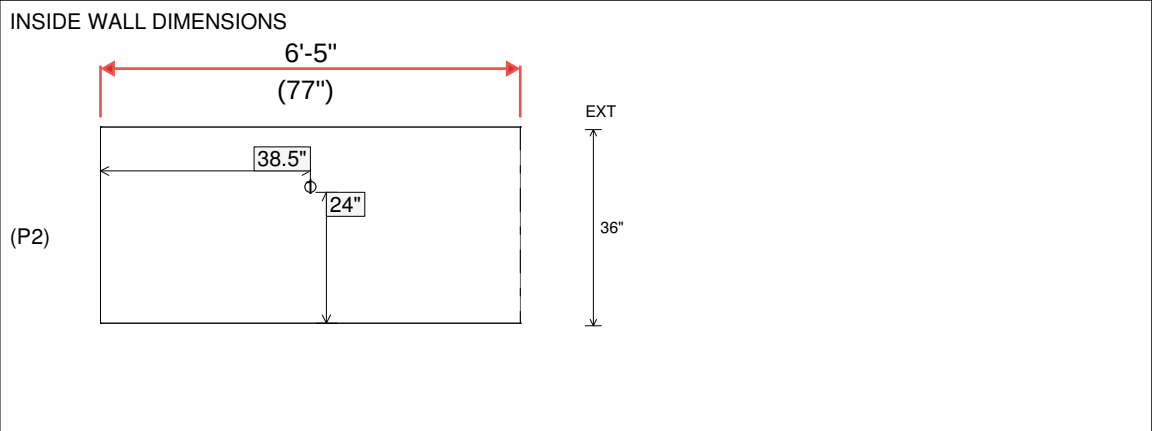
(P2) <<

(P1)

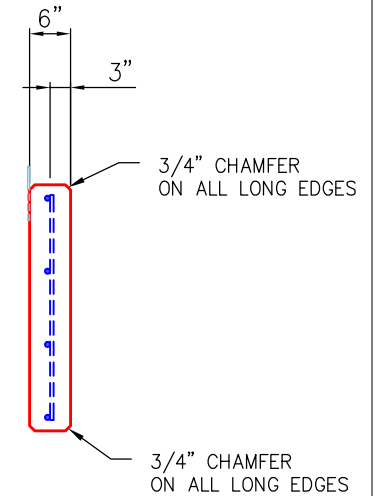
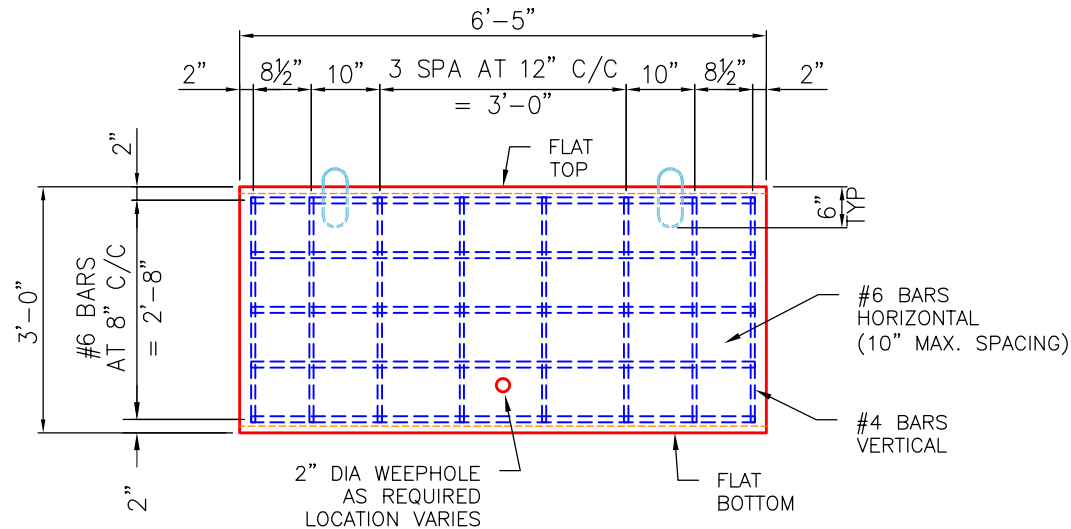
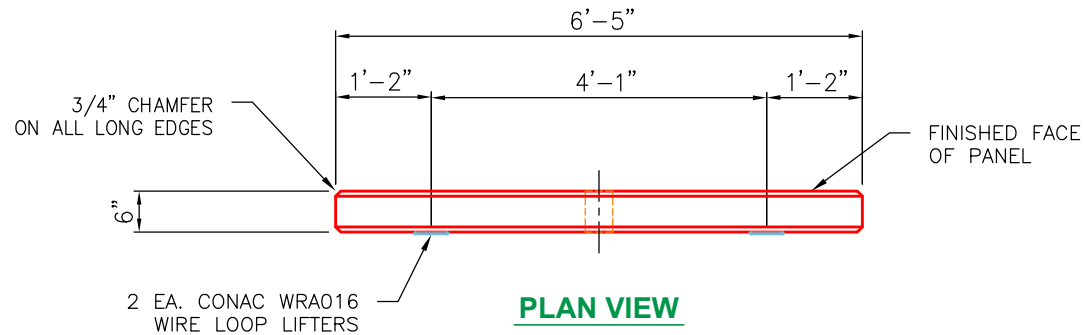
RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 0" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 1398 lb Volume (Net): 0.36cu.yd
----------------------------------	--------------------------------	--	--	--



GENERAL NOTES:

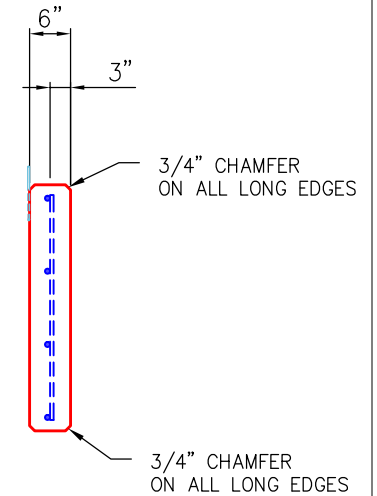
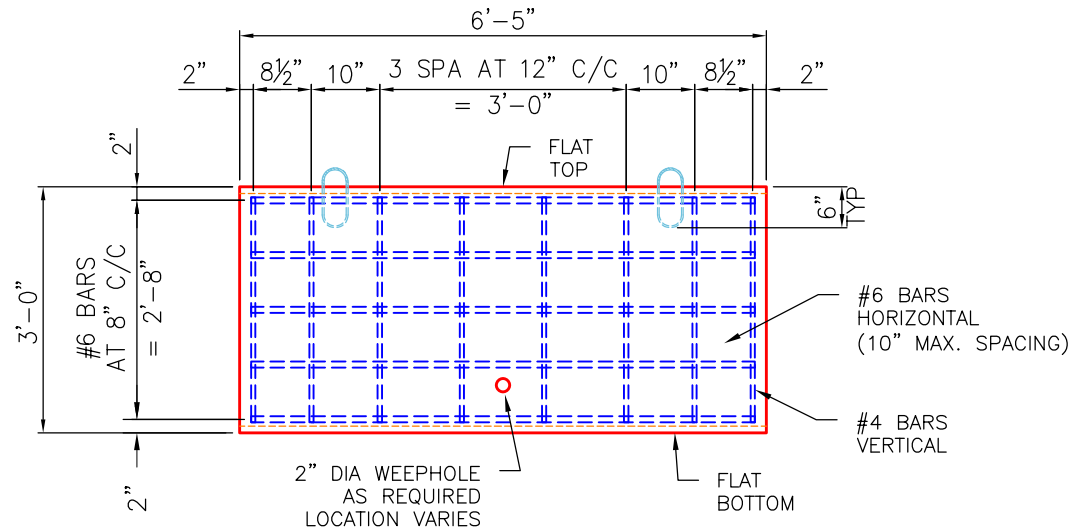
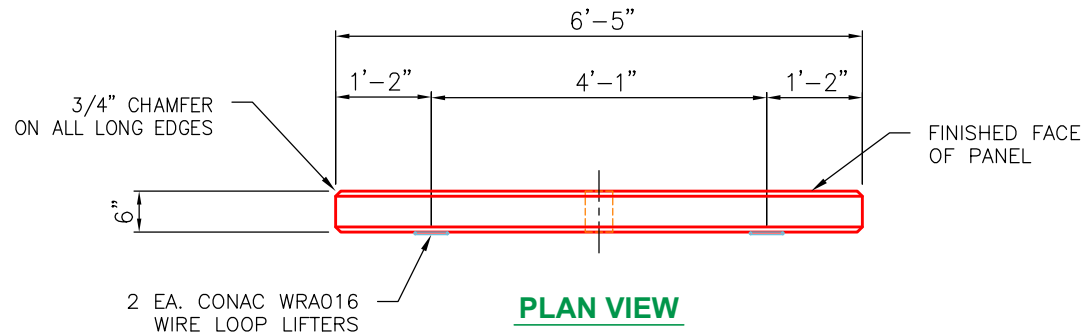
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

SIDE VIEW

END VIEW

REVISION INFORMATION				SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.	
REV. 	DATE:	NO REVISIONS TO DATE		CUSTOMER: HALL CONTRACTING OF KY INC.	
				PROJECT: MITCHELL HILL ROAD PROJECT	
				STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 36" HT)	
				SALES ORDER NO: 26-1333	
				CHECK: B. SMITH	DRAWN BY: J. HORSLEY
				DATE: 04/20/26	SCALE: NTS PG. 1 of 1

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:28 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P12-P13											
P3 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG Hole - 2						1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 696' Rim to Invert: 7' Slack: 0" Sump: 60" 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) (P4) (P3) << (P2) (P1) 6'-5" (77") 36" (P3) 6'-5" (77") 36" (P3) 6'-5" (77") 36" (P3) Note: See attached typical drawing for reinforcing and lifting details.											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd	



GENERAL NOTES:

1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

SIDE VIEW

END VIEW

REVISION INFORMATION				SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.	
REV. 	DATE:	NO REVISIONS TO DATE		CUSTOMER: HALL CONTRACTING OF KY INC.	
				PROJECT: MITCHELL HILL ROAD PROJECT	
				STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 36" HT)	
				SALES ORDER NO: 26-1333	
				CHECK: B. SMITH	DRAWN BY: J. HORSLEY
				DATE: 04/20/26	SCALE: NTS PG. 1 of 1

Job Name: 26-1333 - Mitchell Hill Road Project

Job Location: Louisville, KY 40118

Contractor: Hall Contracting of Kentucky Inc

Plant: 100

6/16/2026 1:23:28 PM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: WALL P12-P13

P4 CUSTOM WALL

WALL PANEL 6" THICK F/F

P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

1) Hole - 2

1398 lb

1398 lb

1398 lb

1398 lb

0 lb

Structure Total: 5591 lb

Structure Notes: .

1. PER ASTM C913 SPECIFICATIONS.

2. CONCRETER = 4,000 PSI AT 28" DAYS.

3. SMOOTH FORM FINISH ON THE FRONT SURFACE.

4. 3/4" CHAMFER ON ALL LONG EDGES.

REINFORCING PER ASTM A615 (GRADE 60).

-VERTICAL BARS = #4 BARS AT 12" C/C

-HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)

Rim: 696'

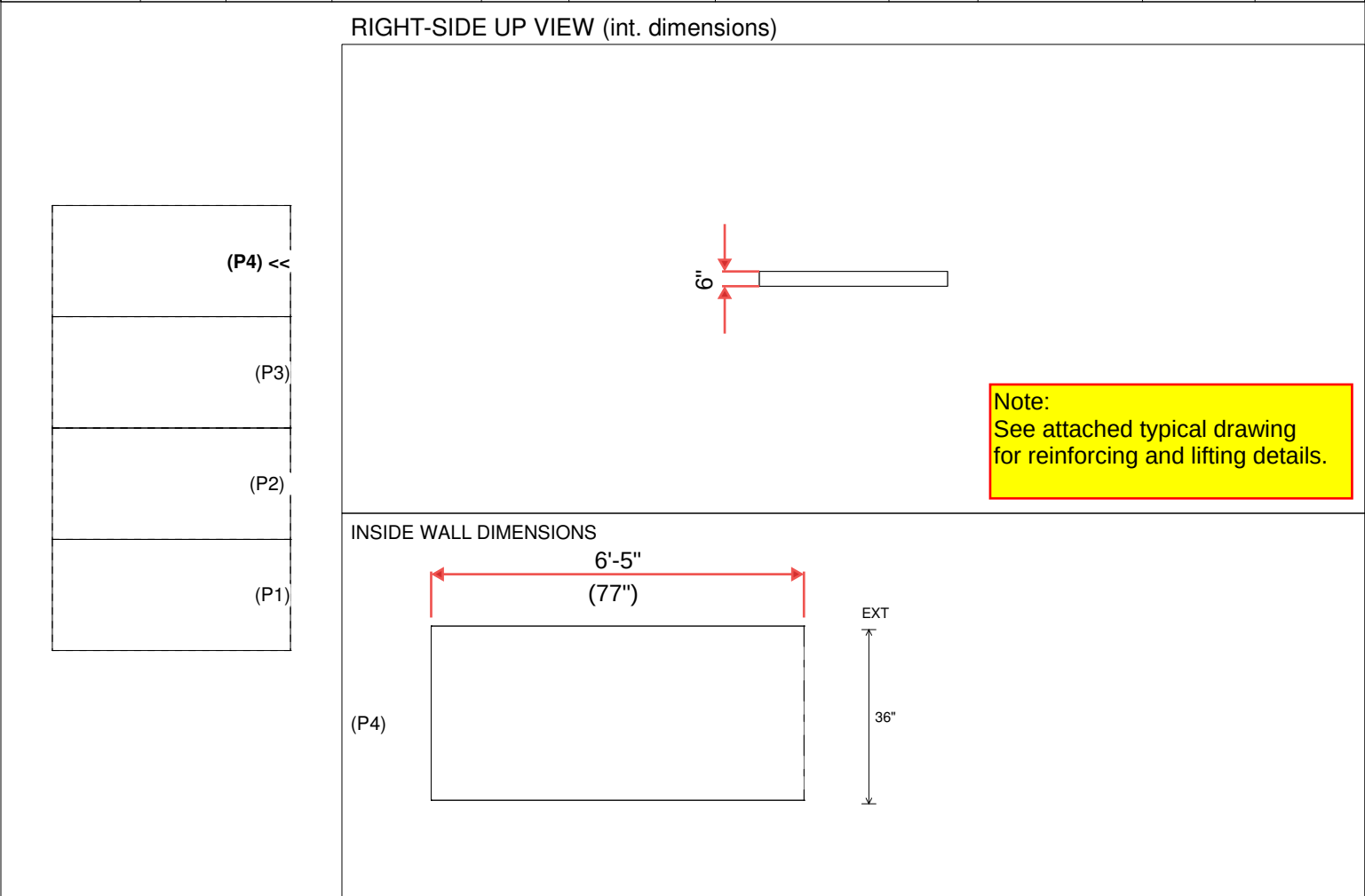
Rim to Invert: 7'

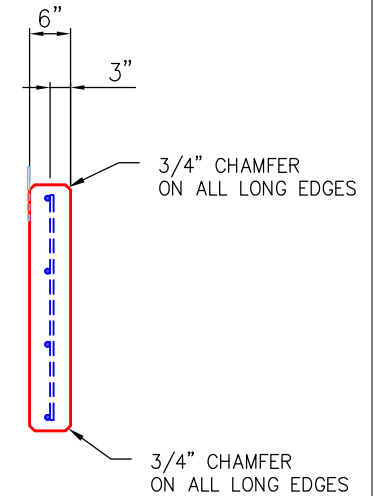
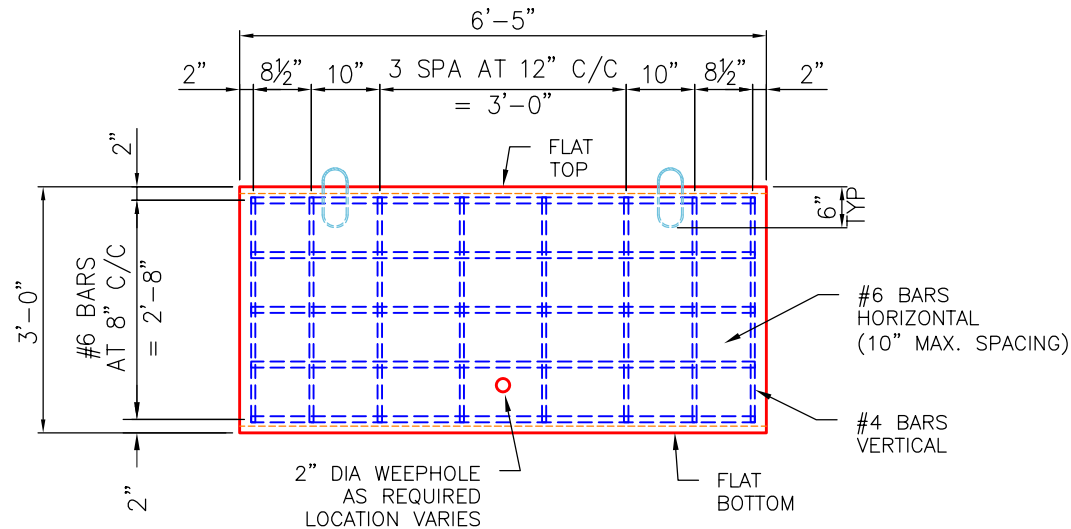
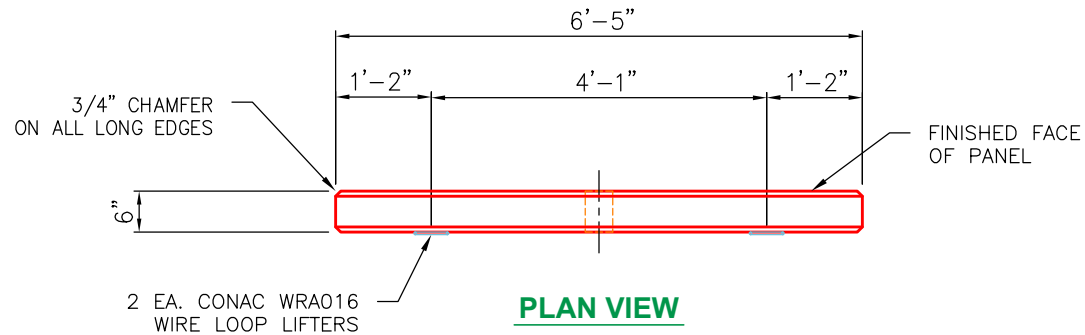
Slack: 0"

Sump: 60"

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										





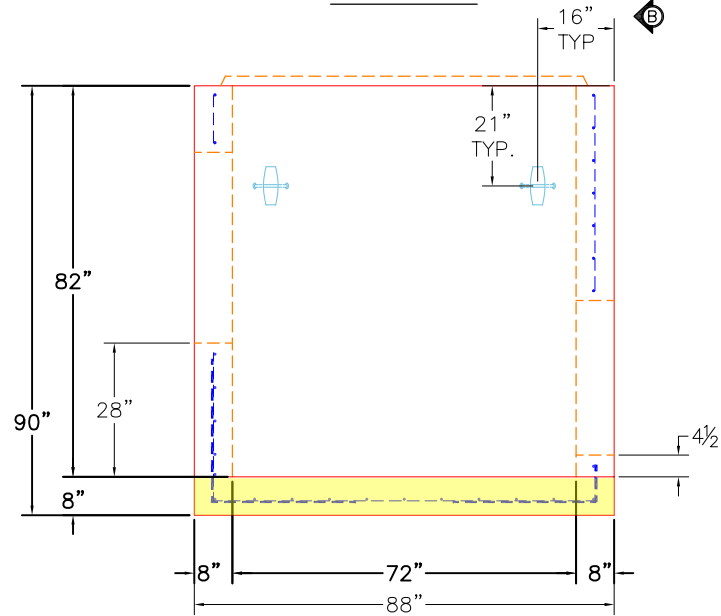
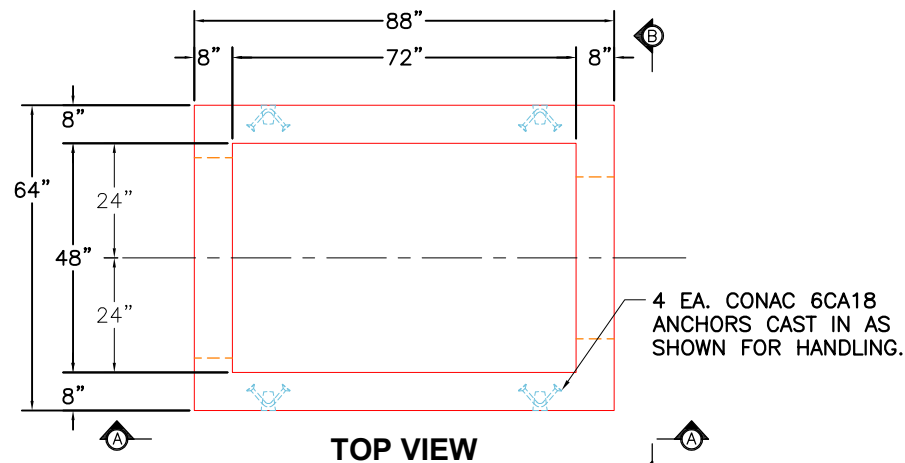
GENERAL NOTES:

1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

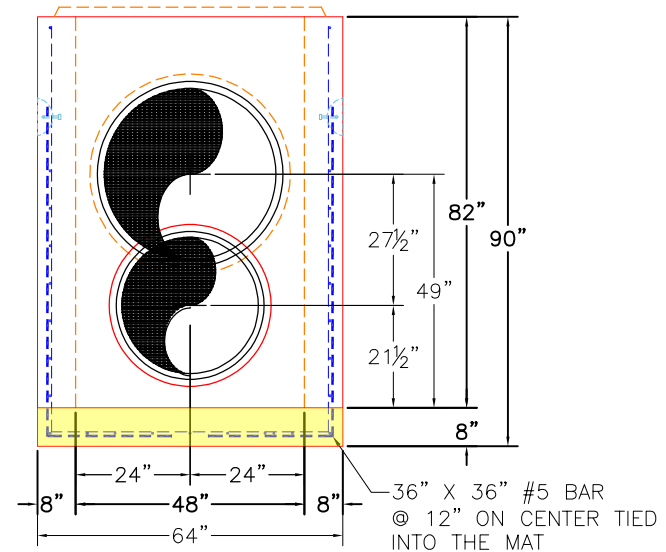
SIDE VIEW

END VIEW

REVISION INFORMATION				SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.	
REV. 	DATE:	NO REVISIONS TO DATE		CUSTOMER: HALL CONTRACTING OF KY INC.	
				PROJECT: MITCHELL HILL ROAD PROJECT	
				STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 36" HT)	
				SALES ORDER NO: 26-1333	
				CHECK: B. SMITH	DRAWN BY: J. HORSLEY
				DATE: 04/20/26	SCALE: NTS PG. 1 of 1



SECTION A-A



SECTION B-B

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: PER ASTM A615. (GRADE 60).
- BASE #5 BAR @ 6" C.C.E.W.
4. WEIGHT: 25,204 LBS
FIRST POUR FLOOR - 3,780 LBS
SECOND POUR WALLS - 13,434 LBS
THIRD POUR WEIR WALL - 2,843 LBS
FOURTH POUR SUMP - 5,147 LBS
5. LIFTING ANCHORS TO BE ON THE OUTSIDE OF THE STRUCTURE
6. CS-102 JOINT SEALANT.

FIRST POUR DRAWING

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ OPENING CORRECT LOCATION(S).
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ EDGES CHAMFERED.
- ☐ ALL PATCHWORK ACCEPTABLE.

PRODUCT I.D.: BX4872-08BAVF

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 25,403 LBS.

TOP SECTION JOINT: TONGUE

BASE SECTION JOINT: N/A

QC CHECK INITIALS:

DESCRIPTION: 48" X 72" X 82" TALL BOX BASE

CUSTOMER: CONVERGENT WATER TECHNOLOGIES

PROJECT: PALM ST. SMART POND

STRUCTURE: QL1

ORDER NO: 26-1706

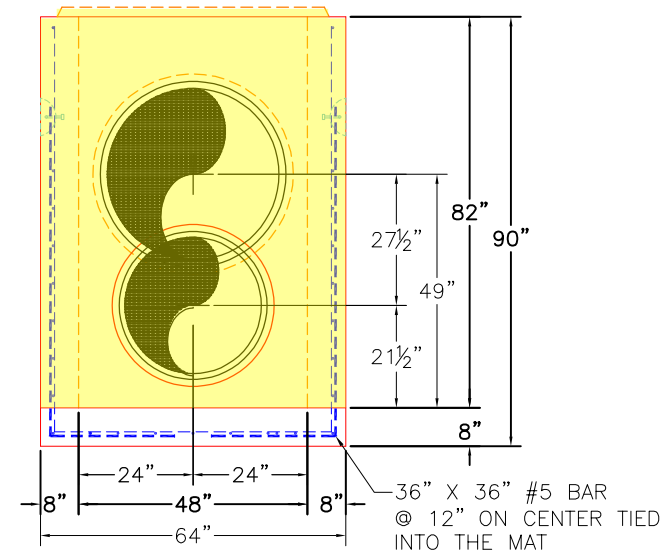
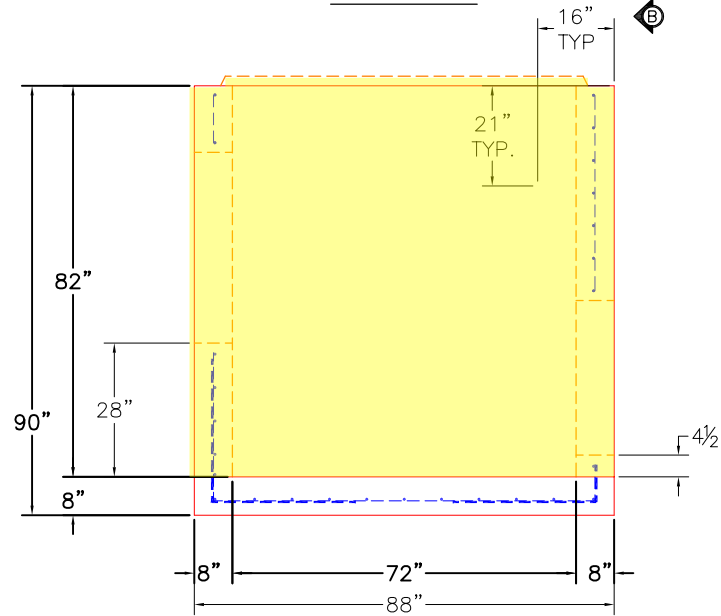
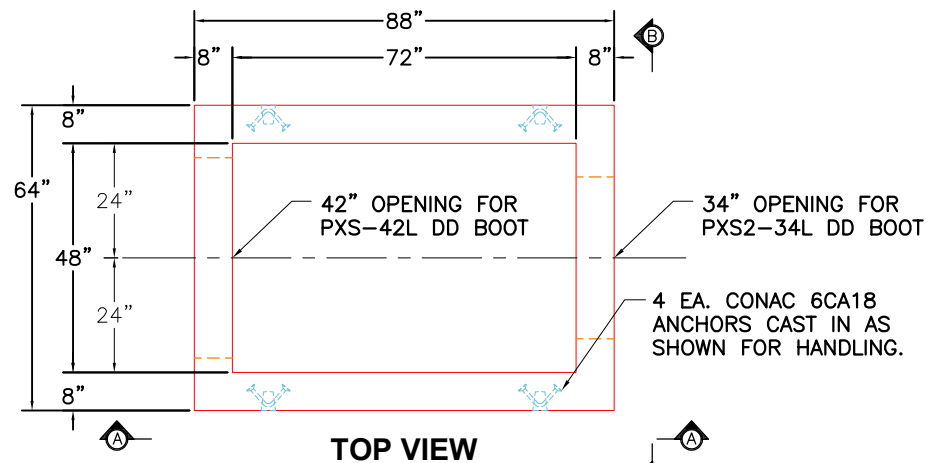
PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/29/26

SCALE: NTS

PG. 1 of 1



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: PER ASTM A615. (GRADE 60).
- BASE #5 BAR @ 6" C.C.E.W.
4. WEIGHT: 25,204 LBS
FIRST POUR FLOOR - 3,780 LBS
SECOND POUR WALLS - 13,434 LBS
THIRD POUR WEIR WALL - 2,843 LBS
FOURTH POUR SUMP - 5,147 LBS
5. LIFTING ANCHORS TO BE ON THE OUTSIDE OF THE STRUCTURE
6. CS-102 JOINT SEALANT.

SECOND POUR DRAWING

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ OPENING CORRECT LOCATION(S).
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ EDGES CHAMFERED.
- ☐ ALL PATCHWORK ACCEPTABLE.

PRODUCT I.D.: BX4872-08BAVF

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 25,403 LBS.

TOP SECTION JOINT: TONGUE

BASE SECTION JOINT: N/A

QC CHECK INITIALS:

DESCRIPTION: 48" X 72" X 82" TALL BOX BASE

CUSTOMER: CONVERGENT WATER TECHNOLOGIES

PROJECT: PALM ST. SMART POND

STRUCTURE: QL1

ORDER NO: 26-1706

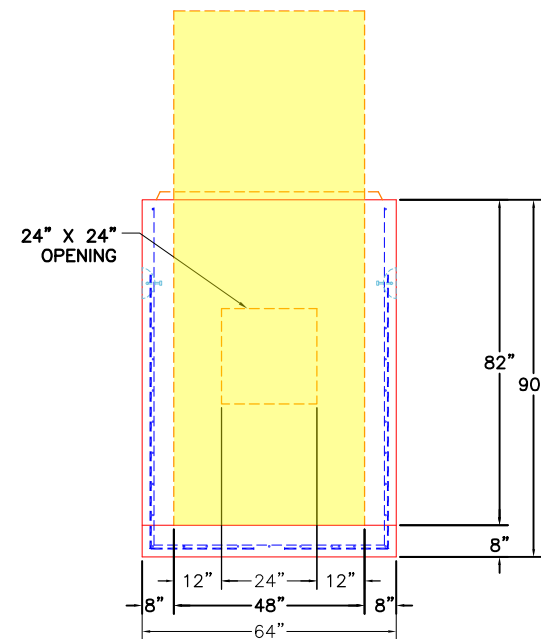
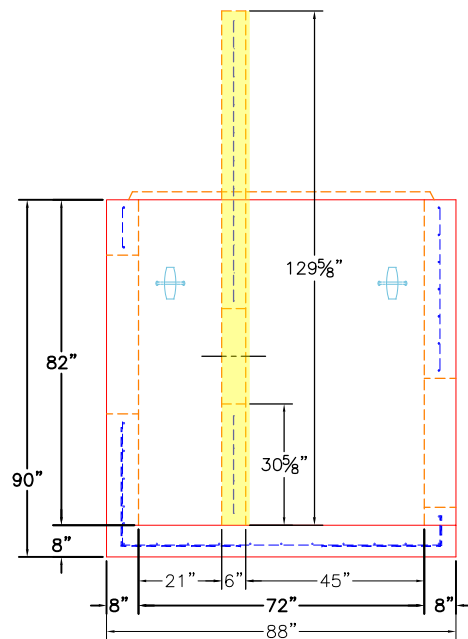
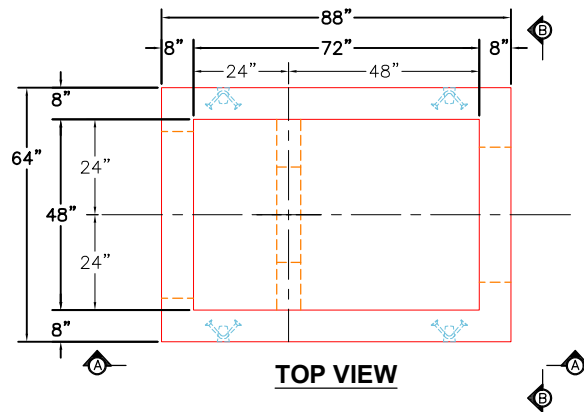
PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/29/26

SCALE: NTS

PG. 1 of 1

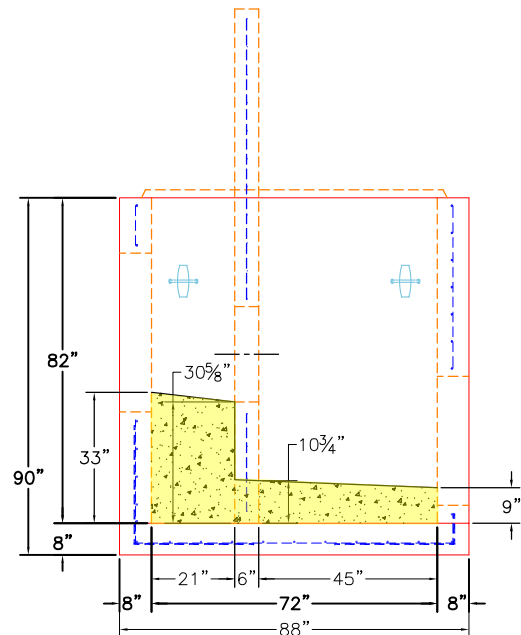
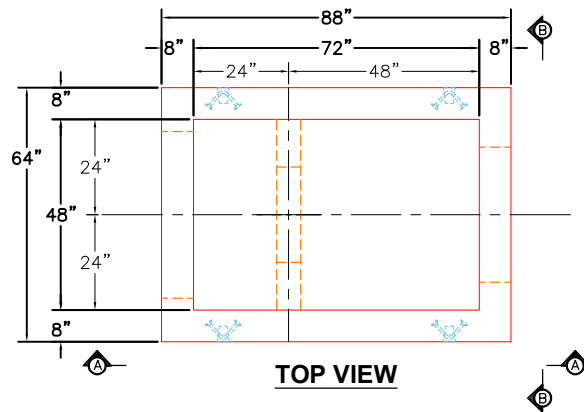


GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: PER ASTM A615. (GRADE 60).
- BASE #5 BAR @ 6" C.C.E.W.
4. WEIGHT: 25,204 LBS
FIRST POUR FLOOR - 3,780 LBS
SECOND POUR WALLS - 13,434 LBS
THIRD POUR WEIR WALL - 2,843 LBS
FOURTH POUR SUMP - 5,147 LBS
5. LIFTING ANCHORS TO BE ON THE OUTSIDE OF THE STRUCTURE
6. CS-102 JOINT SEALANT.

THIRD POUR DRAWING

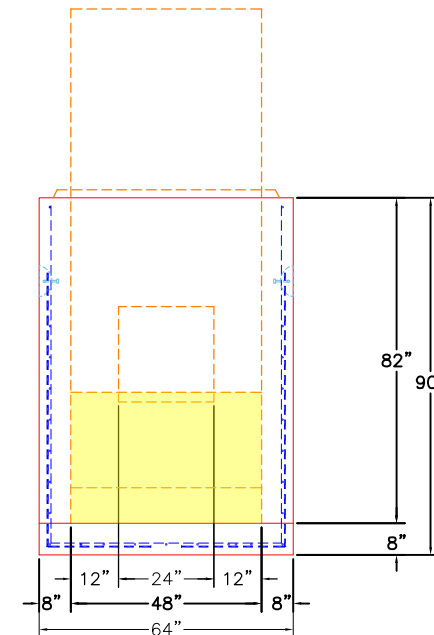
PRODUCTION WORK ORDER		PRODUCT I.D.: BX4872-08BAVF	DESCRIPTION: 48" X 72" X 82" TALL BOX BASE	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CORRECT LOCATION(S). ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CONVERGENT WATER TECHNOLOGIES	
		PLANT: BEAVER DAM, KY.	PROJECT: PALM ST. SMART POND	
		WEIGHT: 25,403 LBS.	STRUCTURE: QL1	
		TOP SECTION JOINT: TONGUE	ORDER NO: 26-1706	
		BASE SECTION JOINT: N/A	PC: C. GOFF	DRAWING: S. FELLETER
		QC CHECK INITIALS:	DATE: 07/29/26	SCALE: NTS PG. 1 of 1



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: PER ASTM A615. (GRADE 60).
- BASE #5 BAR @ 6" C.C.E.W.
4. WEIGHT: 25,204 LBS
FIRST POUR FLOOR - 3,780 LBS
SECOND POUR WALLS - 13,434 LBS
THIRD POUR WEIR WALL - 2,843 LBS
FOURTH POUR SUMP - 5,147 LBS
5. LIFTING ANCHORS TO BE ON THE OUTSIDE OF THE STRUCTURE
6. CS-102 JOINT SEALANT.

FOURTH POUR DRAWING



SOME DETAILS HIDDEN FOR CLARITY

PRODUCTION WORK ORDER		PRODUCT I.D.: BX4872-08BAVF	DESCRIPTION: 48" X 72" X 82" TALL BOX BASE	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CORRECT LOCATION(S). ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CONVERGENT WATER TECHNOLOGIES	
		PLANT: BEAVER DAM, KY.	PROJECT: PALM ST. SMART POND	
		WEIGHT: 25,403 LBS.	STRUCTURE: QL1	
		TOP SECTION JOINT: TONGUE	ORDER NO: 26-1706	
		BASE SECTION JOINT: N/A	PC: C. GOFF	DRAWING: S. FELLETER
		QC CHECK INITIALS:	DATE: 07/29/26	SCALE: NTS PG. 1 of 1