

Job Name: 26-2692 868541 Georgetown Commons Phase 2
Job Location: Georgetown, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

Tech: S. Felletter

6/15/2026 3:41:02 PM

PC: C. Goff



Structure ID: 10-CS-12

P3 MH144RSVF

MH RISER Custom Ht T/G

- P6) 24" - CASTING HEIGHT - 4"
P5) 144" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18"
P4) 144" - MH RISER T/G - 36"
P3) 144" - MH RISER Custom Ht T/G - 64"
P2) 144" - MH RISER T/G - 48"
P1) 144" - MH MONOBASE 14F, Custom Ht T/n - 24"
1) CVSTENCILING
1) ASSEMBLY REQUIRED - BRACKETS ONLY
4) 144" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 32

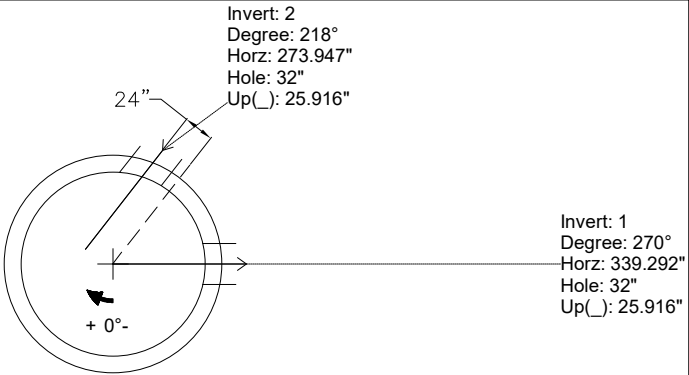
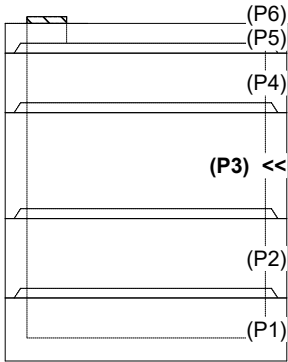
0 lb
23623 lb
19370 lb
32619 lb
25826 lb
39578 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 141015 lb

Structure Notes:
4" CASTING BY OTHERS
LIFTING ANCHORS TO BE INSTALLED
ON THE OUTSIDE OF THE STRUCTURE
ICAST TO INSTALL BRACKETS ONLY
CONTECH'S LOGO AS WELL AS THE
INLET AND OUTLET MUST BE
STENCILED ONTO THE STRUCTURE

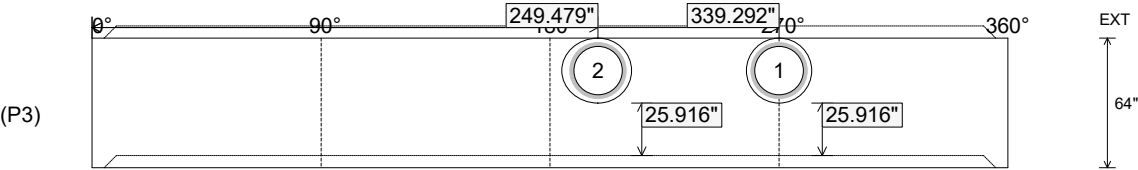
Rim: 871.5' Rim to Invert: 7.76' Slack: 7.036" Sump: 107.916" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	863.74'	270°	400.553"	24" HDPE	27.8"	Hole 32	32"	32.269"	25.916"	0"
Invert 2	863.74'	218°	299.079"	24" HDPE	27.8"	Hole 32	32"	34.394"	25.916"	-24"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

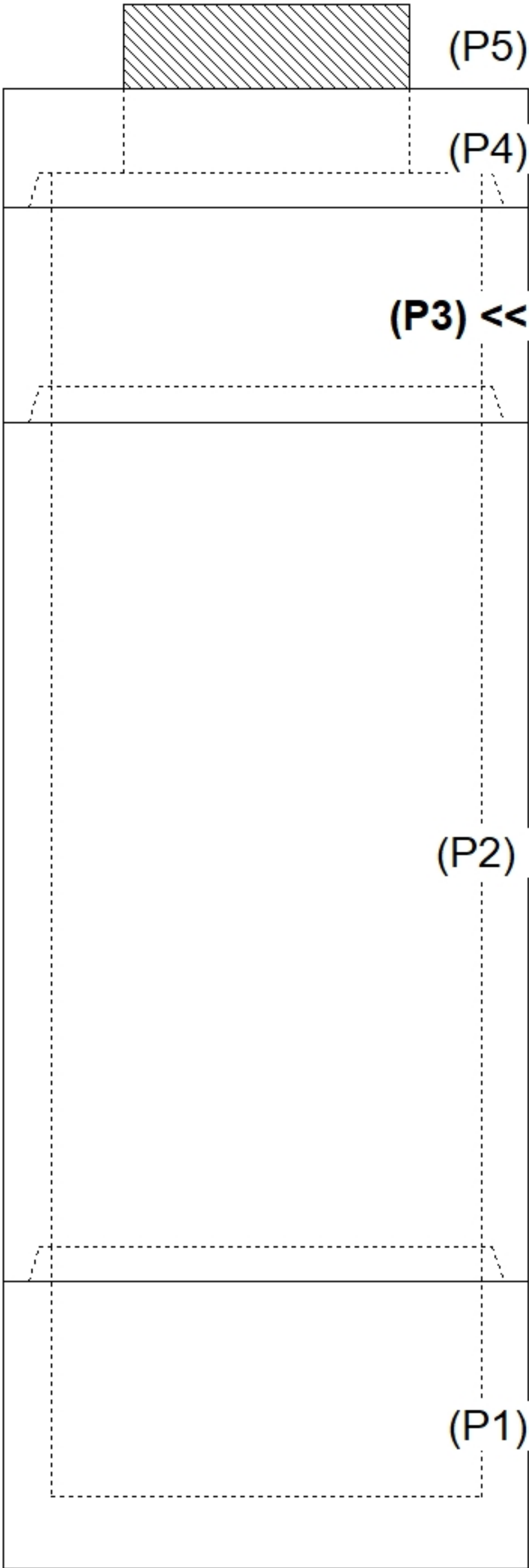
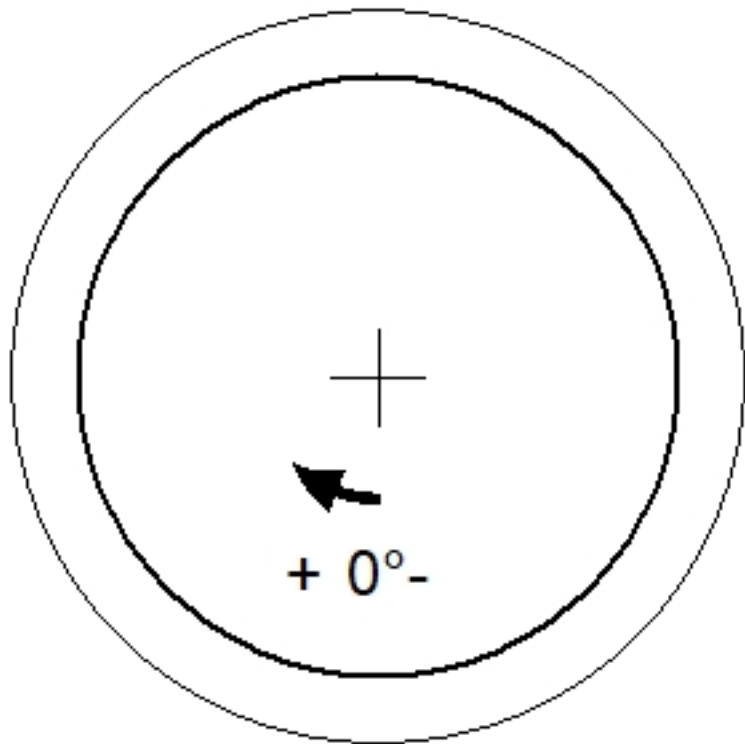
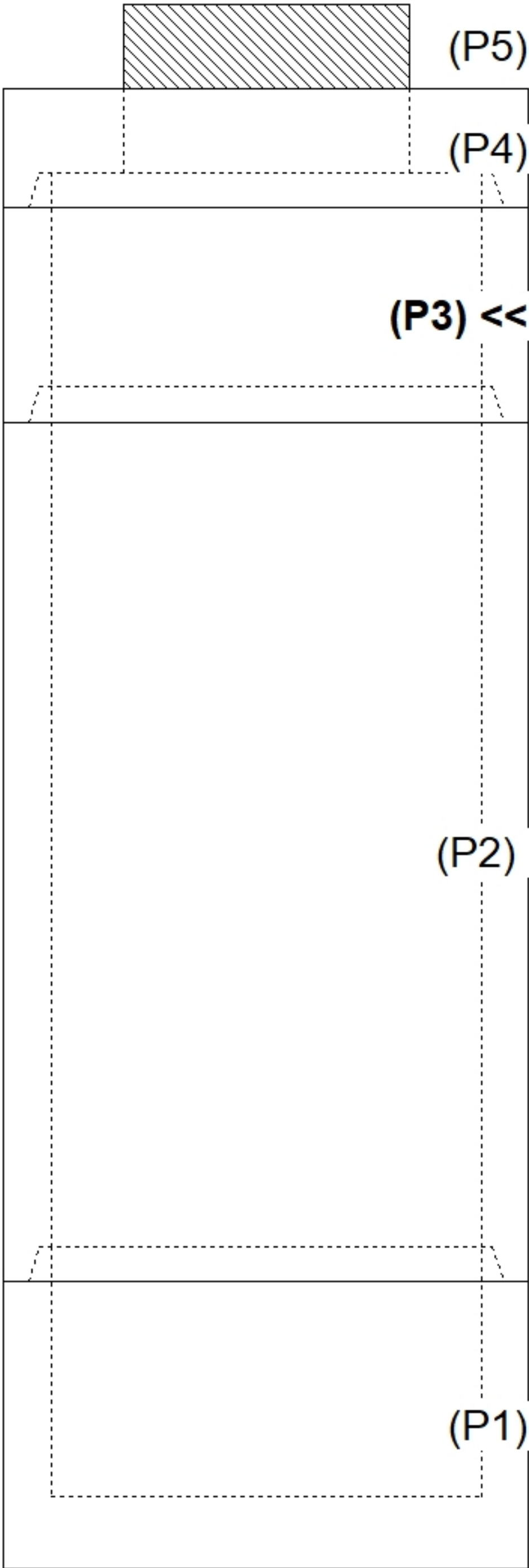
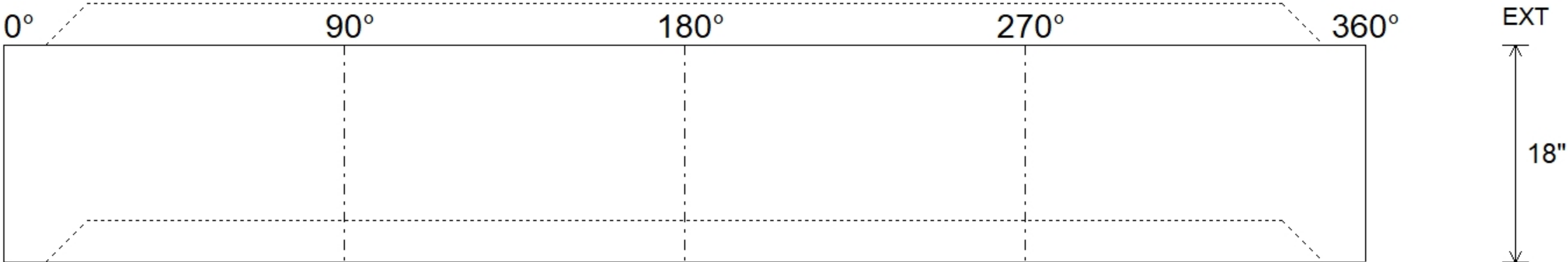
RIGHT-SIDE UP VIEW (int. dimensions)

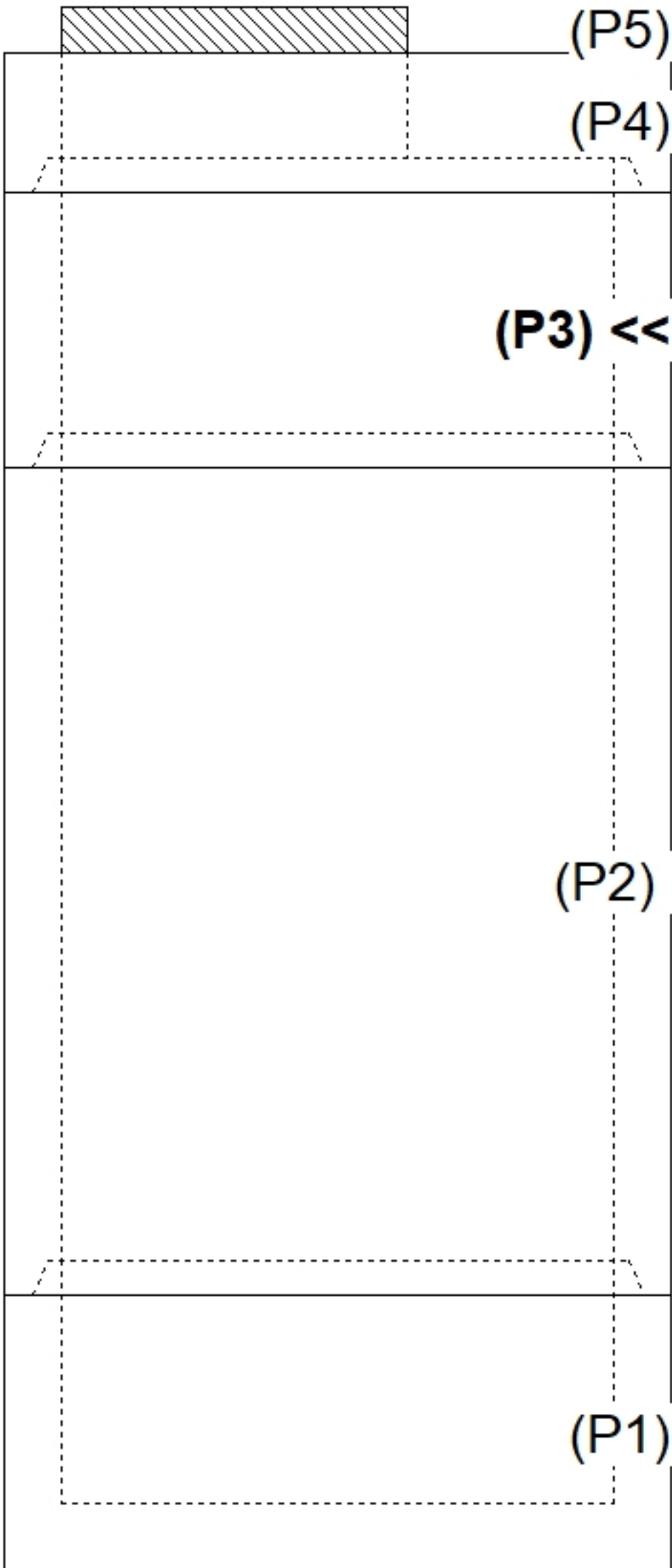
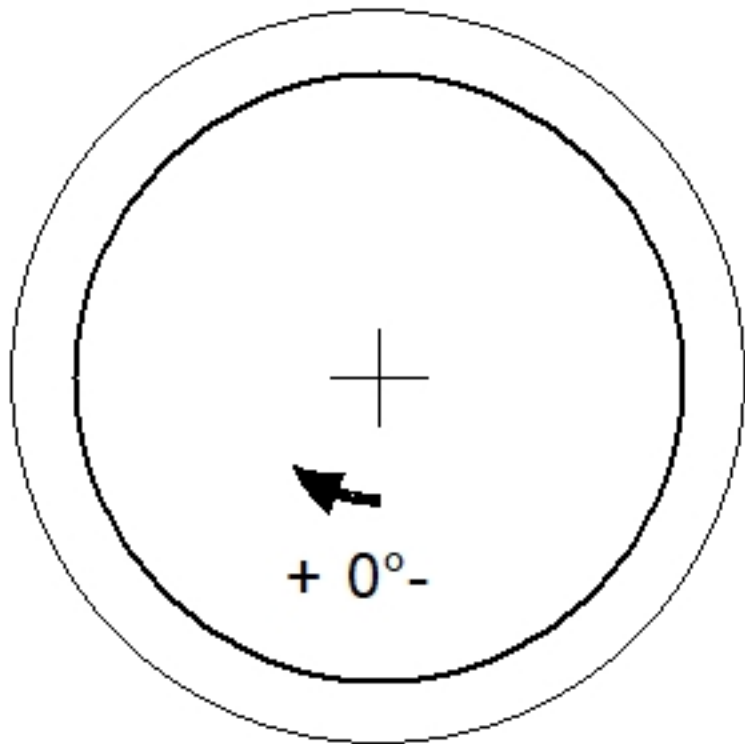
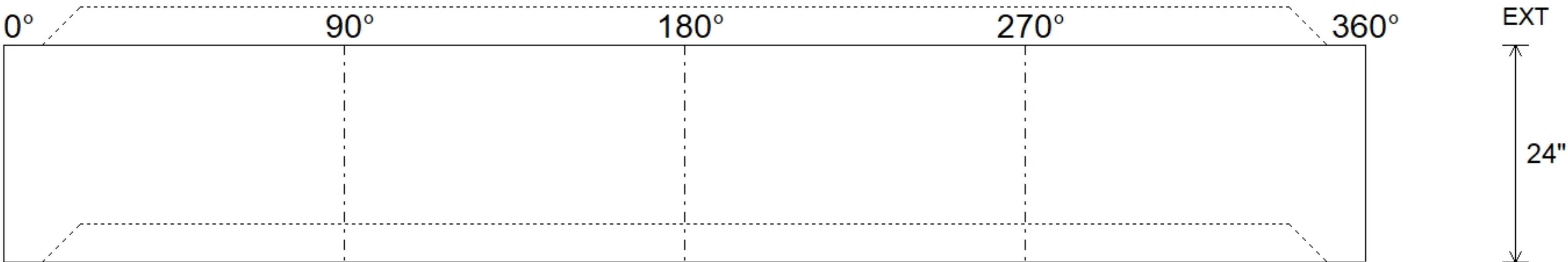


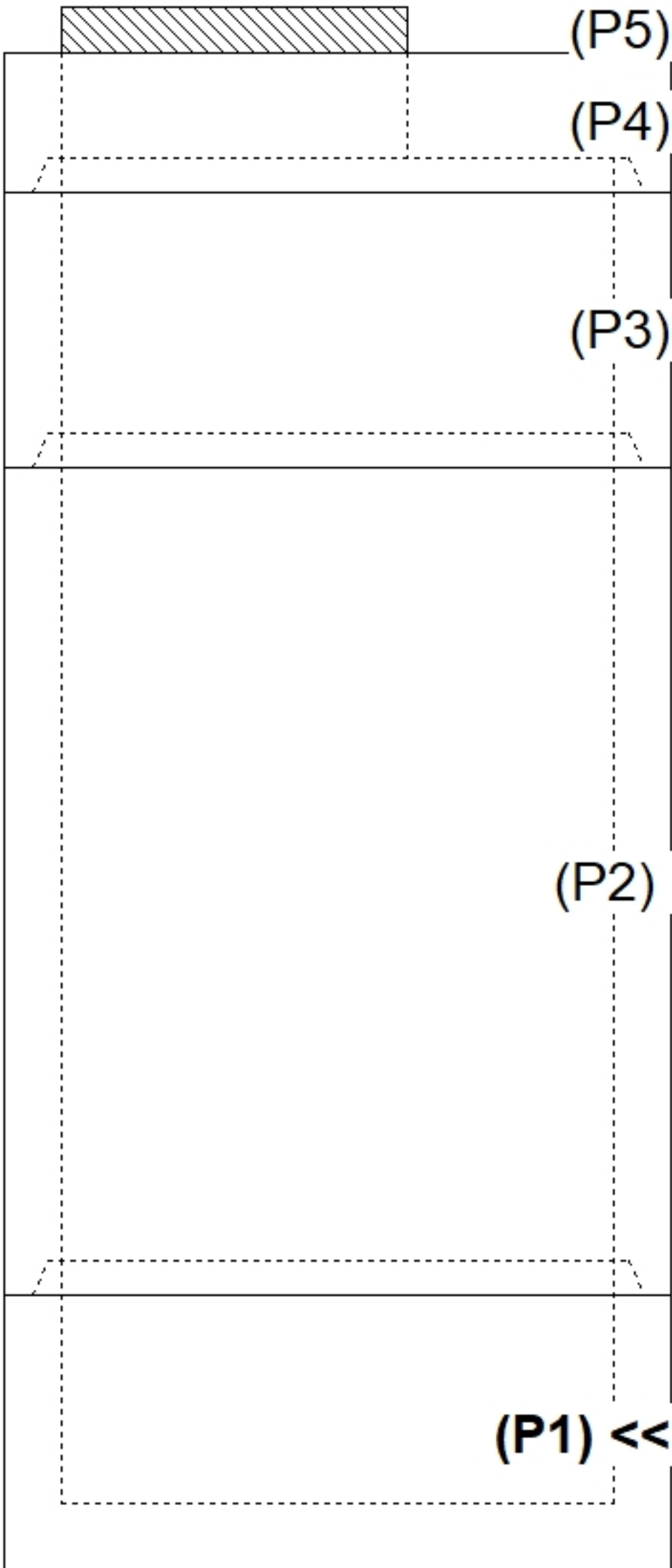
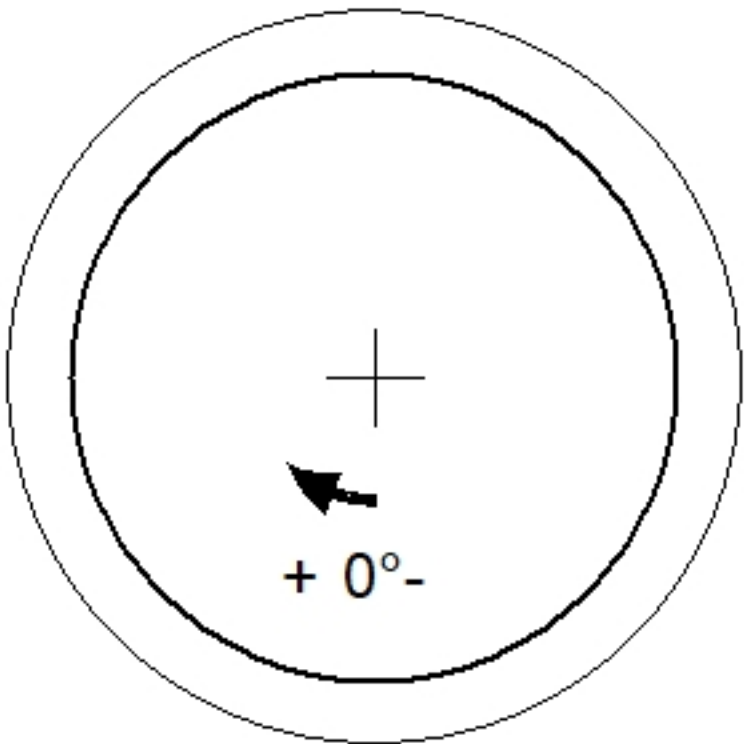
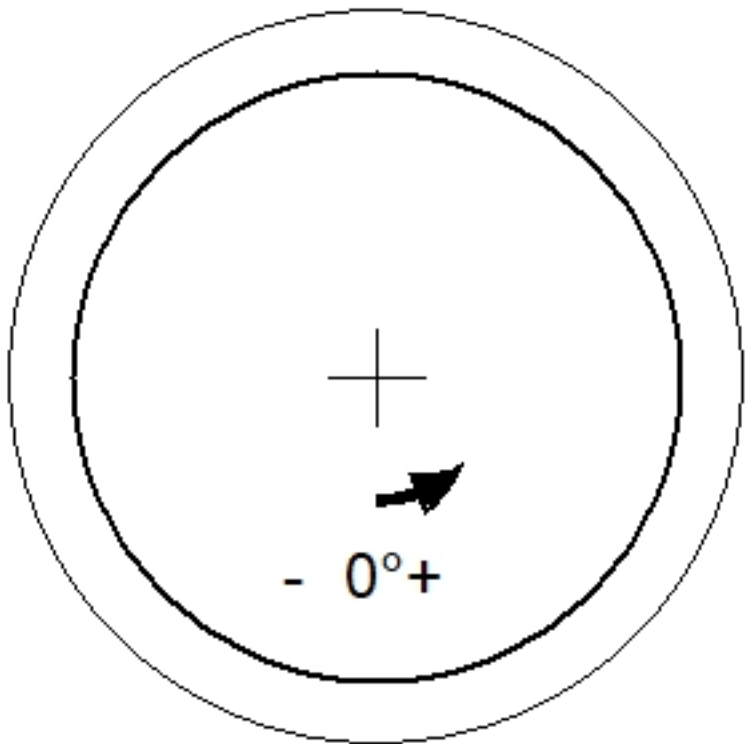
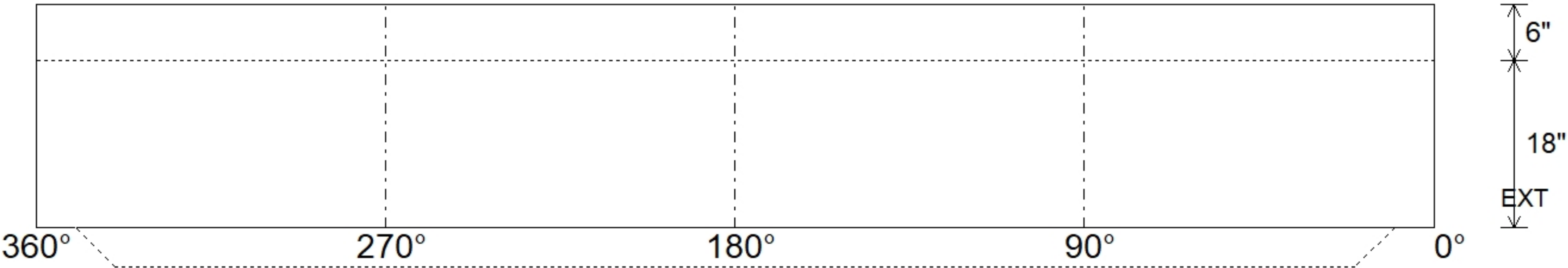
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 13" Floor Height: 0"	Height (Int): 64" Height (Ext): 64"	Weight (Net): 32619 lb Volume (Net): 8.33cu.yd
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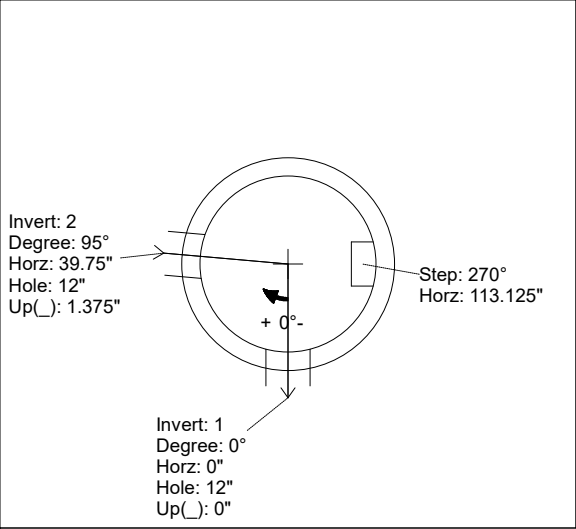
Job Name: 26-2604 ADS Abound Credit Union Job Location: Louisville, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 7/7/2026 8:30:45 AM		Tech: S. Felletter PC: T. Ryan						
Structure ID: AR3PC													
P3		MH036RS18		MH RISER T/G									
P5) 24" - CASTING HEIGHT - 7" P4) 36" - MH FLAT TOP w/ 24" Ctr. Hole F/G - 10" P3) 36" - MH RISER T/G - 18" P2) 36" - MH RISER T/G - 72" P1) 36" - MH BASE T/n - 18" 1) ASSEMBLY REQUIRED 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Storm 3) 36" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Hole - 12						0 lb 896 lb 759 lb 2937 lb 1525 lb 0 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb ----- 6388 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-375 F/C "STORM"). . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 742.78' Rim to Invert: 5.92' Slack: 1" Sump: 54.96" Step Position:													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)													
													
INSIDE WALL DIMENSIONS													
													
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 4" Floor Height: 0"		Height (Int): 18" Height (Ext): 18"		Weight (Net): 759 lb Volume (Net): 0.19cu.yd			

Job Name: 26-2920 853382 Urgent Care Job Location: Radcliff, KY Contractor: Contech Engineering Solutions				Plant: Beaver Dam 7/14/2026 11:06:13 AM		Tech: S. Felletter PC: C. Goff				
Structure ID: 10-CS-4										
P3		MH048RS24		MH RISER T/G						
P5) 30" - CASTING HEIGHT - 4" P4) 48" - MH FLAT LID w/30in ECC Hole F/G - 12" P3) 48" - MH RISER T/G - 24" P2) 48" - MH RISER T/G - 72" P1) 48" - MH BASE T/n - 18" 1) ASSEMBLY REQUIRED 1) CVSTENCILING 3) 48" - Conseal CS-102 1.00" 2) Hole - 16						0 lb 1413 lb 1677 lb 4845 lb 2588 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 10522 lb		Structure Notes: 4" CASTING BY OTHERS . LIFTNG ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE . ICAST TO INSTALL THE INTERNALS . CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE		
Rim: 729'		Rim to Invert: 7.66'		Slack: 12.92"		Sump: 51"		Step Position:		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (┘)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										
RIGHT-SIDE UP VIEW (int. dimensions)										
										
		INSIDE WALL DIMENSIONS								
(P3)										
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 24" Height (Ext): 24"		Weight (Net): 1677 lb Volume (Net): 0.43cu.yd

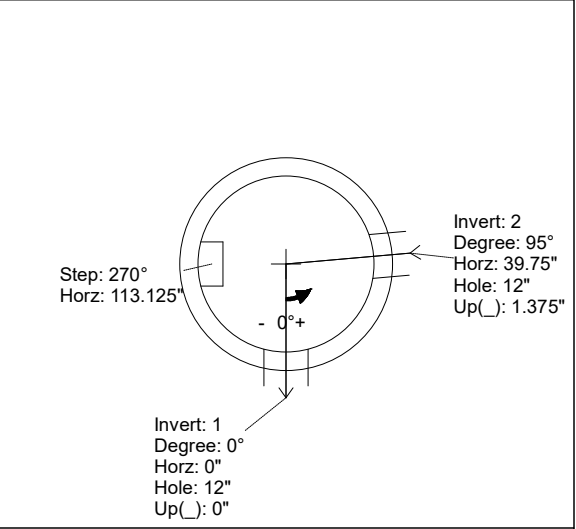
Job Name: 26-2920 853382 Urgent Care Job Location: Radcliff, KY Contractor: Contech Engineering Solutions					Plant: Beaver Dam 7/14/2026 11:05:21 AM		Tech: S. Felletter PC: C. Goff				
Structure ID: 10-CS-4											
P1 MH048BA18			MH BASE T/n								
P5) 30" - CASTING HEIGHT - 4" P4) 48" - MH FLAT LID w/30in ECC Hole F/G - 12" P3) 48" - MH RISER T/G - 24" P2) 48" - MH RISER T/G - 72" P1) 48" - MH BASE T/n - 18" 1) ASSEMBLY REQUIRED 1) CVSTENCILING 3) 48" - Conseal CS-102 1.00" 2) Hole - 16						0 lb 1413 lb 1677 lb 4845 lb 2588 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 10522 lb		<u>Structure Notes:</u> . 4" CASTING BY OTHERS . LIFTNG ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE . ICAST TO INSTALL THE INTERNALS . CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE			
Rim: 729'		Rim to Invert: 7.66'		Slack: 12.92"		Sump: 51"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
						RIGHT-SIDE UP VIEW (int. dimensions)			UPSIDE-DOWN VIEW (int. dimenions)		
											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 18" Height (Ext): 24"		Weight (Net): 2588 lb Volume (Net): 0.66cu.yd		

Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1 Job Location: Nashville, TN 37208 Contractor: Hayes Pipe Supply					Plant: 100 7/8/2026 11:01:23 AM		Tech: Jared - F PC: E. Bradley						
Structure ID: MH 082-09-371 SS-MH													
P1 MH048BA24CDARED			MH BASE w/ConBlock-CDA Red T/n										
P3) 32" - CASTING HEIGHT - 6" 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 - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) ADMIXTURE CONBLOCK CDA RED 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 2) MH Step ML-10-TDS-NCR - 10"						0 lb 1351 lb 2911 lb 0 lb 0 lb 0 lb 1440 lb 0 lb 8 lb 8 lb 0 lb ----- 5718 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 (JBS 1312 F/C SANITARY) REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 431.91' Rim to Invert: 3.45' Slack: 1.4" Sump: 2" Step Position: 270													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1	428.46'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"			
Invert 2	428.66'	95°	48.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.375"	0"			
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													

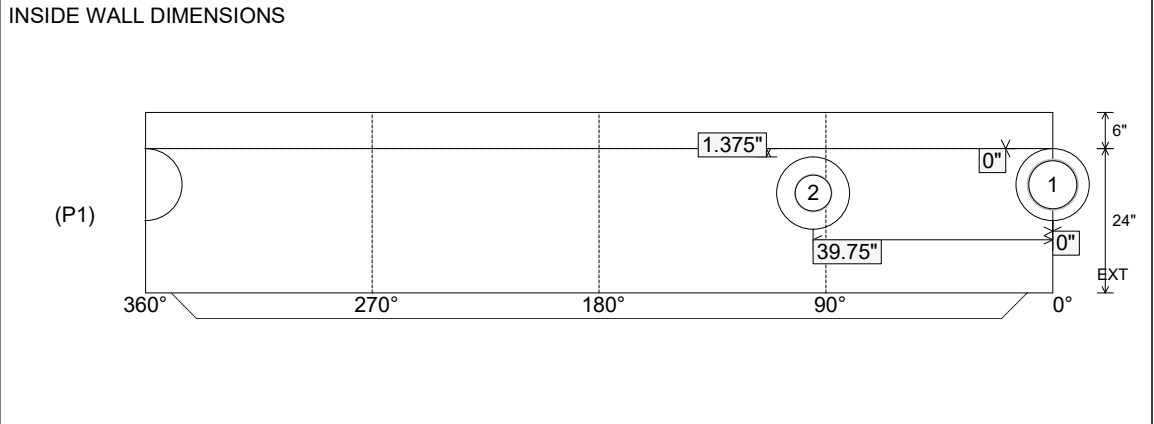
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2911 lb Volume (Net): 0.74cu.yd
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Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1 Job Location: Nashville, TN 37208 Contractor: Hayes Pipe Supply					Plant: 100		Tech: Jared - F					
					7/8/2026 11:01:23 AM		PC: E. Bradley					
Structure ID: MH 082-09-371 SS-MH												
P1 MH048BA24CDARED			MH BASE w/ConBlock-CDA Red T/n									
P3) 32" - CASTING HEIGHT - 6" 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 - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) ADMIXTURE CONBLOCK CDA RED 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 2) MH Step ML-10-TDS-NCR - 10"						0 lb 1351 lb 2911 lb 0 lb 0 lb 0 lb 1440 lb 0 lb 8 lb 8 lb 0 lb ----- Structure Total: 5718 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 (JBS 1312 F/C SANITARY) . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 431.91' Rim to Invert: 3.45' Slack: 1.4" Sump: 2" Step Position: 270												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	428.46'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"		
Invert 2	428.66'	95°	48.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.375"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INSIDE WALL DIMENSIONS

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

Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1
Job Location: Nashville, TN 37208
Contractor: Hayes Pipe Supply

Plant: 100

7/8/2026 11:01:36 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: MH 082-09-371 SS-MH

P2 MH048LD12SCDARED

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

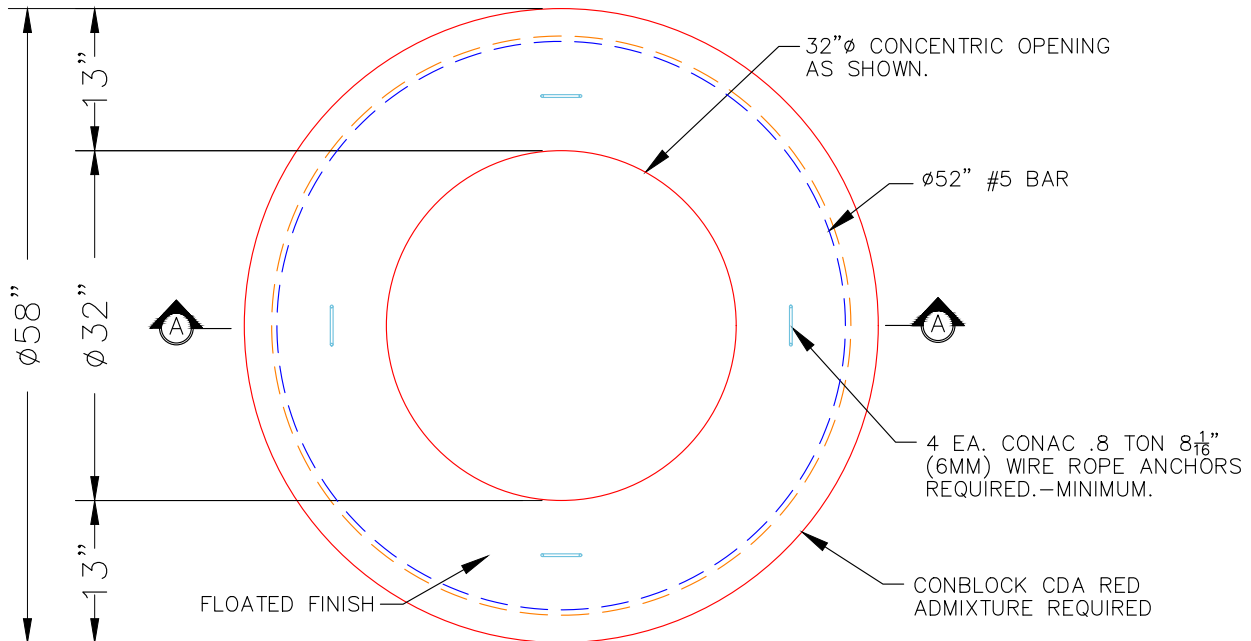
- P3) 32" - CASTING HEIGHT - 6"
P2) 48" - MH FLAT TOP w/32" Hole CC w/ConBlock-CDA Red F/G - 12"
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) ADMIXTURE CONBLOCK CDA RED
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT
1) 48" - Conseal CS-102 1.00" (Double)
1) PSX - 12-08 NYLO
1) PSX - 12-06 NYLO
2) MH Step ML-10-TDS-NCR - 10"

0 lb
1351 lb
2911 lb
0 lb
0 lb
0 lb
1440 lb
0 lb
8 lb
8 lb
0 lb

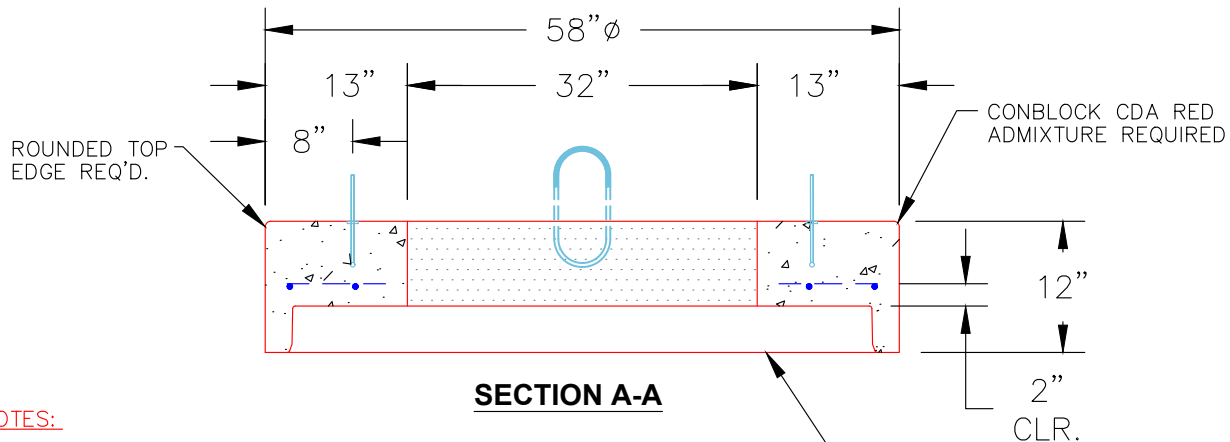
Structure Total: 5718 lb

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 (JBS 1312 F/C SANITARY)
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB = H20 LOADING.
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



NOTES:

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

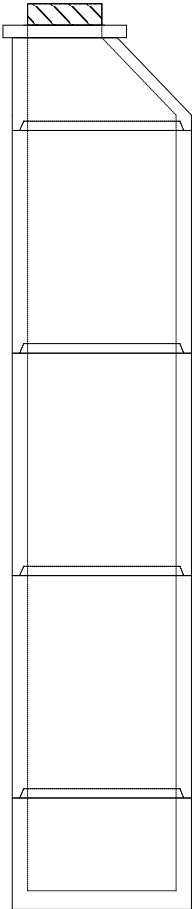
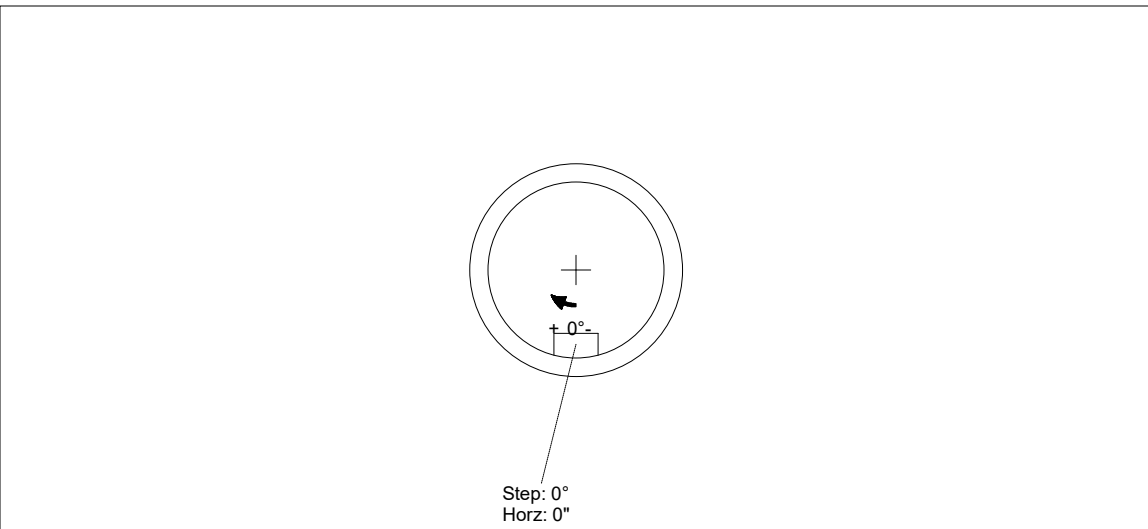
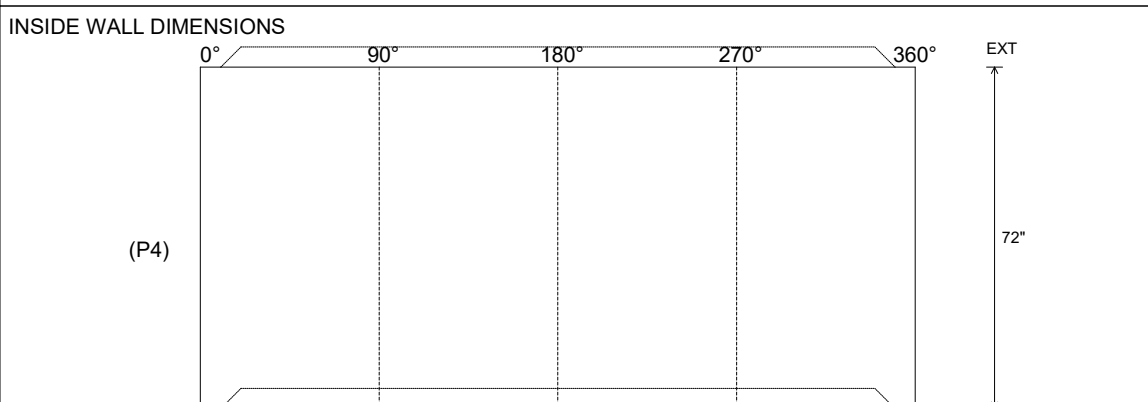
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100 7/10/2026 8:14:18 AM		Tech: Jared - A PC: Erica Bradley				
Structure ID: A3											
P4		MH048RS72X									
P7) 24" - CASTING HEIGHT - 7" P6) 24" - XYPEX GRADE RING - 4" P5) 48" - ECC XYPEX CONE w/ 24" HOLE - 30" P4) 48" - MH RISER w/XYPEX - 72" P3) 48" - MH RISER w/XYPEX - 72" P2) 48" - MH RISER w/XYPEX - 72" P1) 48" - MH BASE w/XYPEX - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - JBS 1150 F/C SANITARY 4) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 23) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 1981 lb 5030 lb 5030 lb 5030 lb 3330 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Rim: 715.31'		Rim to Invert: 23.75'		Slack: 0"		Sump: 2"		Structure Total: 22377 lb		Step Position: 0	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
 (P7) (P6) (P5) (P4) << (P3) (P2) (P1) RIGHT-SIDE UP VIEW (int. dimensions)  Step: 0° Horz: 0" INSIDE WALL DIMENSIONS  EXT 72"											
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 72" Height (Ext): 72"		Weight (Net): 5030 lb Volume (Net): 1.28cu.yd	

Job Name: 26-2877 839248 Aloft
Job Location: Paducah, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam
7/1/2026 10:02:34 AM

Tech: S. Felletter
PC: C. Goff



Structure ID: 20-CS-4

P3 MH048LD12-30

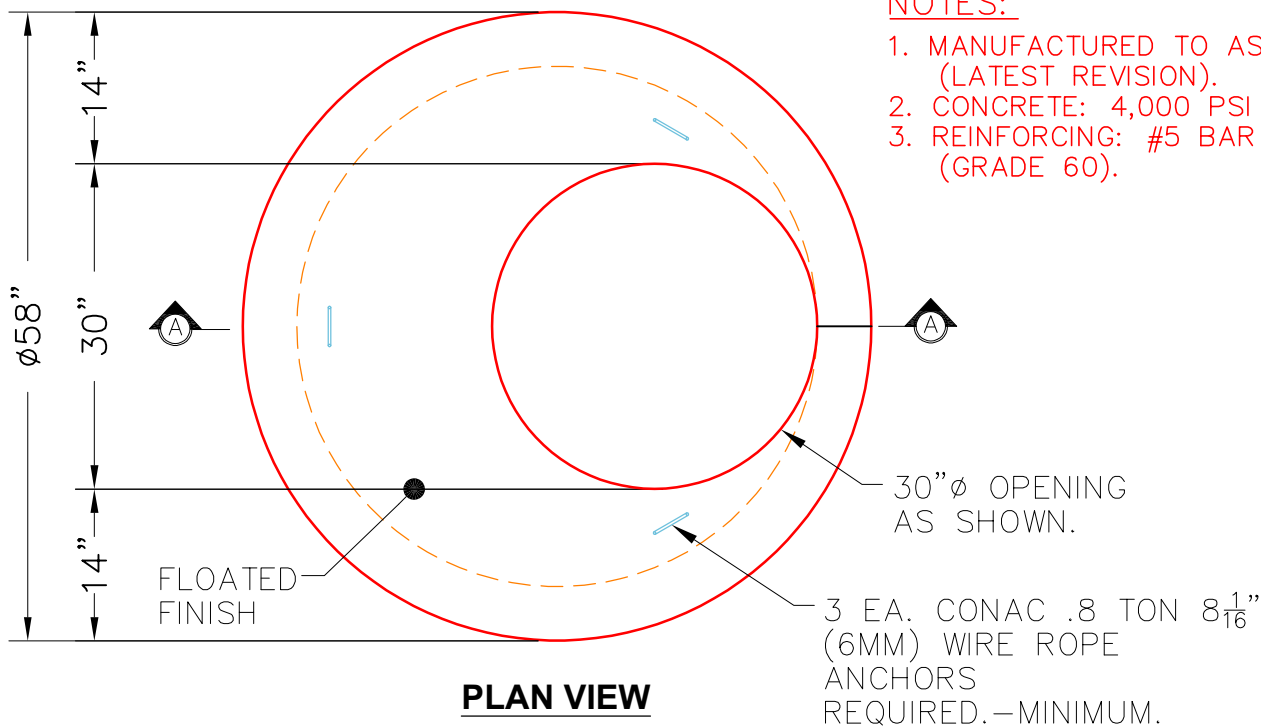
MH FLAT LID w/30in ECC Hole F/G

- P4) 30" - CASTING HEIGHT - 4"
P3) 48" - MH FLAT LID w/30in ECC Hole F/G - 12"
P2) 48" - MH RISER SPECIAL T/G - 72"
P1) 48" - MH BASE T/n - 18"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
2) 48" - Conseal CS-102 1.00"
2) Hole - 24

Structure Notes:
4" CASTING BY OTHERS
LIFTING ANCHORS TO BE INSTALLED
ON THE OUTSIDE OF THE STRUCTURE
ICAST TO INSTALL THE INTERNALS
CONTECH'S LOGO AS WELL AS THE
INLET AND OUTLET MUST BE
STENCILED ONTO THE STRUCTURE

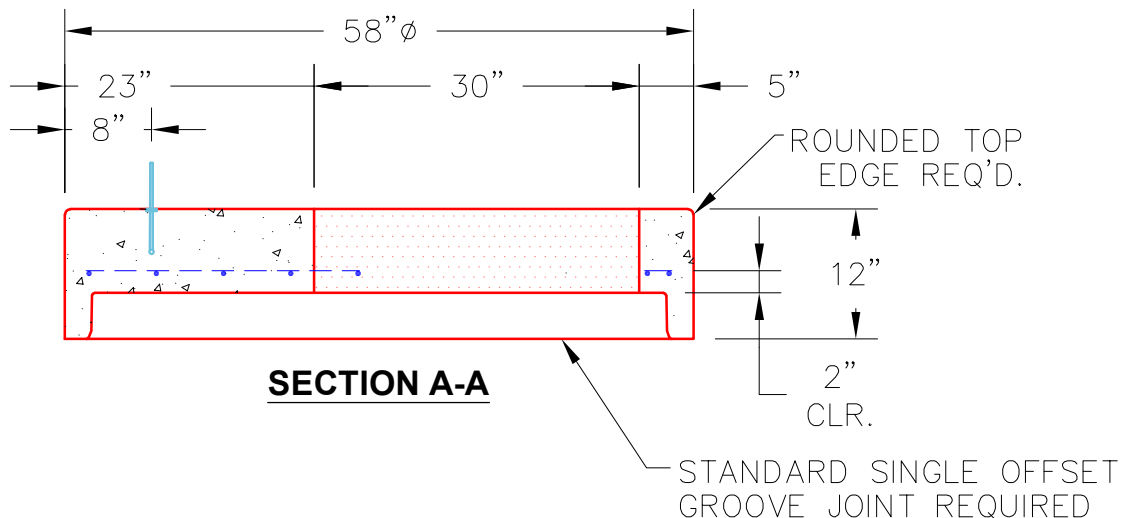
Structure Total:

0 lb
1413 lb
4635 lb
2588 lb
0 lb
0 lb
0 lb
0 lb
8636 lb



NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1413 lb
Volume (Net): 0.36cu.yd

Job Name: 26-2877 839248 Aloft Job Location: Paducah, KY Contractor: Contech Engineering Solutions					Plant: Beaver Dam 7/1/2026 10:02:43 AM		Tech: S. Felletter PC: C. Goff				
Structure ID: 20-CS-4											
P2		MH048RS72S		MH RISER SPECIAL T/G							
P4) 30" - CASTING HEIGHT - 4" P3) 48" - MH FLAT LID w/30in ECC Hole F/G - 12" P2) 48" - MH RISER SPECIAL T/G - 72" P1) 48" - MH BASE T/n - 18" 1) ASSEMBLY REQUIRED 1) CVSTENCILING 2) 48" - Conseal CS-102 1.00" 2) Hole - 24						0 lb 1413 lb 4635 lb 2588 lb 0 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 8636 lb		Structure Notes: 4" CASTING BY OTHERS LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE ICAST TO INSTALL THE INTERNALS CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE			
Rim: 336'		Rim to Invert: 4.85'		Slack: 3.2"		Sump: 51"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	331.15'	270°	136.659"	18" HDPE	21.2"	Hole 24	24"	25.133"	25.75"	0"	
Invert 2	331.15'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	25.75"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

+ 0°-

Invert: 2
Degree: 0°
Horz: 0"
Hole: 24"
Up(): 25.75"

Invert: 1
Degree: 270°
Horz: 113.097"
Hole: 24"
Up(): 25.75"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

0"

113.097"

2

1

25.75"

25.75"

EXT

72"

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 72" Height (Ext): 72"	Weight (Net): 4635 lb Volume (Net): 1.18cu.yd
----------------------------------	------------------------------------	--	--	--

Job Name: 25-4212 - Greentree Lane Sewer
Job Location: Mt. Washington, KY
Contractor: Citgo Waterworks

Plant: 100
6/30/2026 12:49:58 PM

Tech: J. Horsley - F
PC: C. Goff



Structure ID: A11 REV.A

P3 MH048CN24-S

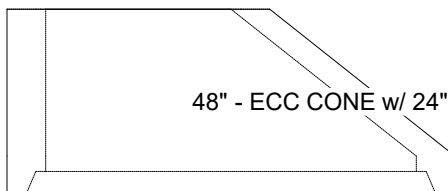
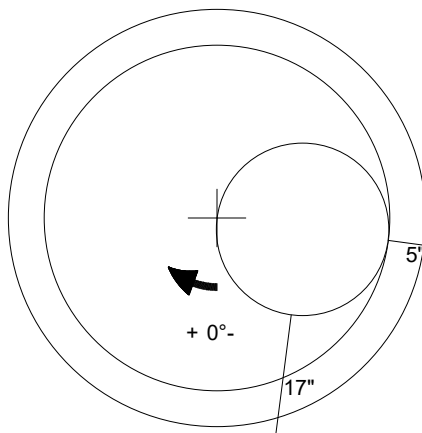
ECC CONE w/ 24" HOLE NO STEP

- P4) 24" - CASTING HEIGHT - 4.75"
- P3) 48" - ECC CONE w/ 24" HOLE NO STEP - 24"
- P2) 60" - MH Transition Slab 48" Hole - 13"
- P1) 60" - MH BASE Custom Ht - 48"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 1) SPECIAL EXTERNAL COATING - CARBOLINE 300M
- 1) 60" - Conseal CS-102 1.00" (Double)
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 1) Kor-N-Seal2 - S206-22
- 1) PSX - 12-06 NYLO
- 1) PSX - 14M DD

163.59 SqFt) Carboline Bitumastic 300M [EXT]

- Structure Notes: .
- 1. PER ASTM C478 SPECIFICATIONS.
 - 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 - 3. NO STEPS.
 - 4. CASTING SUPPLIED BY OTHERS.
 - 5. CARBOLINE 300M >>EXTERIOR COATING ONLY<< REINFORCING PER ASTM A615 (GRADE 60).
- 0 lb - CONE (As .12)
1550 lb - RISER/WALLS (As .12)
1928 lb - TRANSITION SLAB (As .31) #5 BARS AT 6" C.C.E.W.
7413 lb - RISER/WALLS (As .18)
2692 lb - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.
0 lb

Structure Total: 13605 lb



48" - ECC CONE w/ 24" HOLE NO STEP - 24" - (P3)

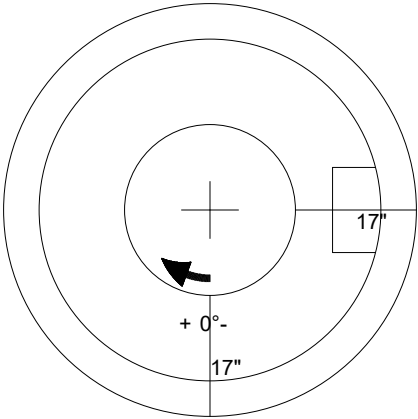
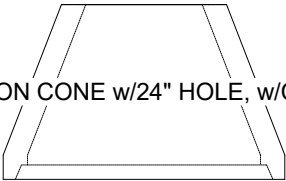
Coating (Int):
Coating (Ext): Carboline Bitumastic 300M

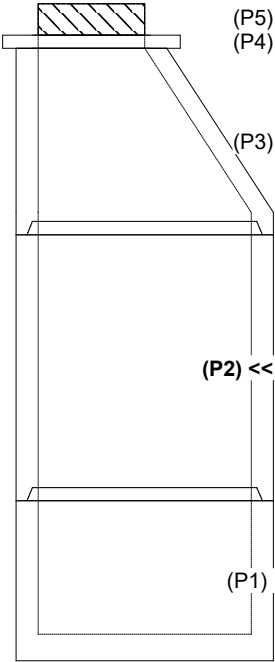
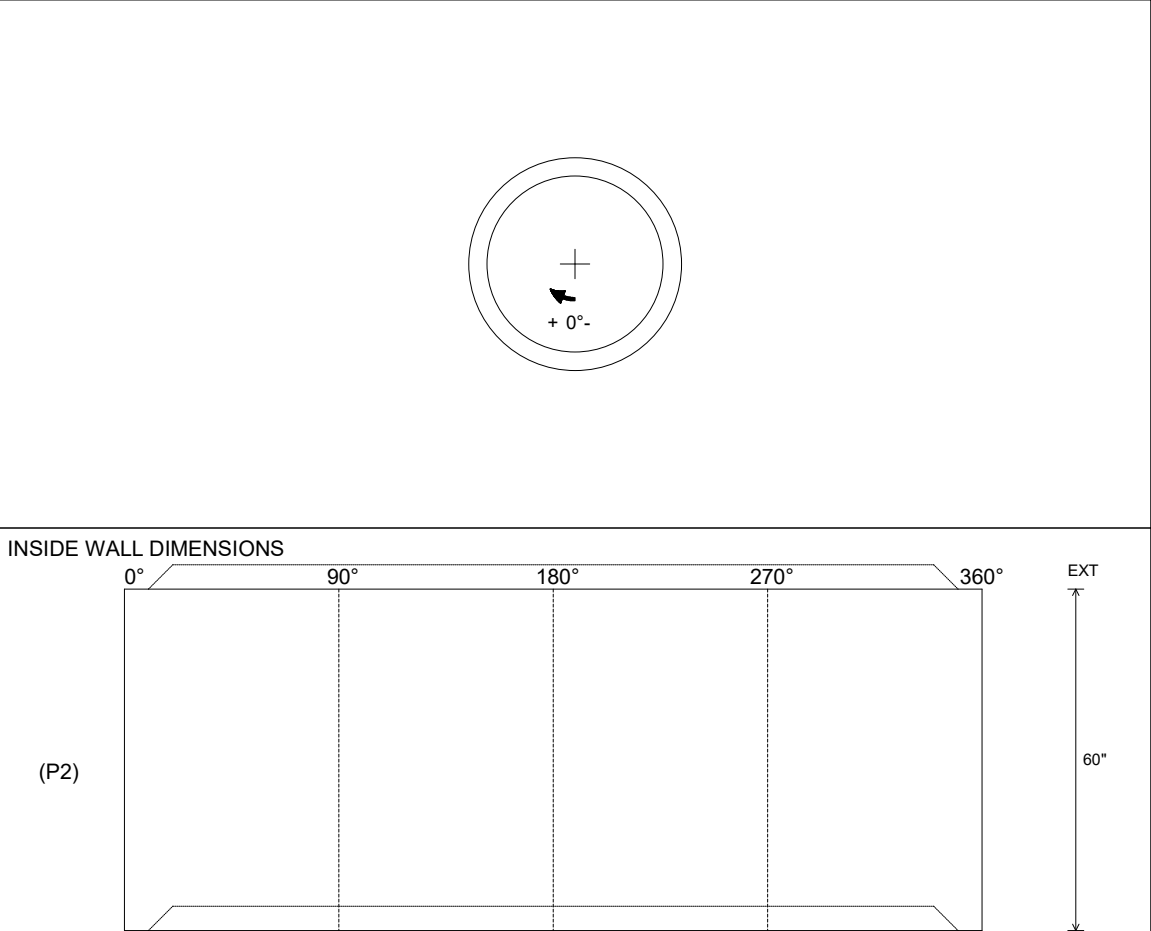
Seam Up: Flat
Seam Dn: Groove

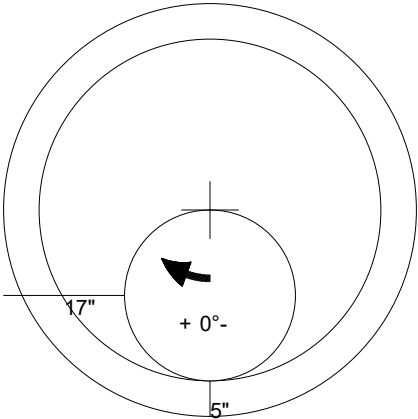
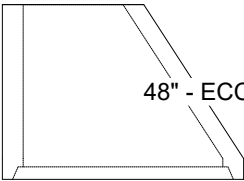
Wall Thickness: 5"

Height (Ext): 24"

Weight (Net): 1550 lb
Volume (Net): 0.33cu.yd

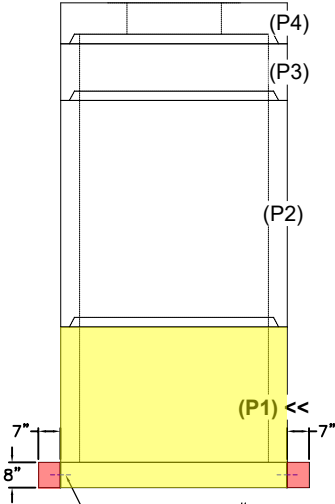
Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1 Job Location: Nashville, TN 37208 Contractor: Hayes Pipe Supply		Plant: 100 6/15/2026 11:00:22 AM	Tech: Jared - F PC: E. Bradley	
Structure ID: PMH1 SS-MH				
P2 MH048CCN36CDARED		CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G		
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3" P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) ADMIXTURE CONBLOCK CDA RED 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 6) MH Step ML-10-TDS-NCR - 10"		0 lb 202 lb 2251 lb 3701 lb 0 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 7619 lb	<u>Structure Notes:</u> . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING SUPPLIED BY OTHERS. . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36" - (P2) 				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 36"	Weight (Net): 2251 lb Volume (Net): 0.57cu.yd

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:56:54 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A5 (9)											
P2 MH048RS60S MH RISER T/G											
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING F/F - 3" P3) 48" - ECC CONE w/ 24" HOLE F/G - 42" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE T/h - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16M DD						0 lb 202 lb 3200 lb 4192 lb 3255 lb 1440 lb 0 lb 0 lb 0 lb 16 lb ----- Structure Total: 12304 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. . 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: 557.84' Rim to Invert: 11.7' Slack: 0.4" Sump: 2" 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)											
 											
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 60" Height (Ext): 60"		Weight (Net): 4192 lb Volume (Net): 1.07cu.yd	

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC		Plant: 100 6/2/2026 10:56:12 AM	Tech: Jared - F PC: E. Bradley	
Structure ID: A5 (9)				
P3 MH048CN42-S		ECC CONE w/ 24" HOLE F/G		
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING F/F - 3" P3) 48" - ECC CONE w/ 24" HOLE F/G - 42" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE T/h - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16M DD		0 lb 202 lb 3200 lb 4192 lb 3255 lb 1440 lb 0 lb 0 lb 16 lb ----- Structure Total: 12304 lb	Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 42"	Weight (Net): 3200 lb Volume (Net): 0.5cu.yd

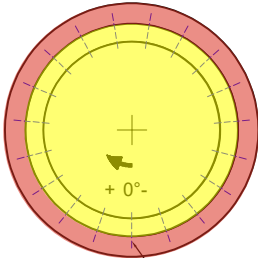
Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3 Job Location: Olive Hill, KY Contractor: Walker Principles					Plant: 100 7/6/2026 11:03:06 AM		Tech: J. Horsley PC: E. Bradley				
Structure ID: SCUM WW											
P1 MH060BAEVF			MH BASE w/FLANGE (08F/07EF)								
P4) 60" - MH FLAT TOP w/30"x30" Hatch - 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 Total: 20230 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.				
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											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

FIRST POUR DRAWING WEIGHTS:
FIRST POUR: 7,221 LBS
SECOND POUR: 1,167 LBS
TOTAL: 8,388 LBS



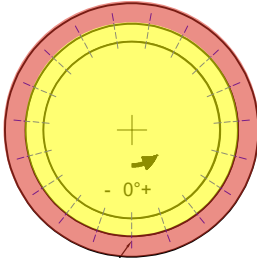
DRILL & STUB #5 BAR @ 8" LONG 12" C-C FOR EXTENDED BASE FLANGE POUR

RIGHT-SIDE UP VIEW (int. dimensions)



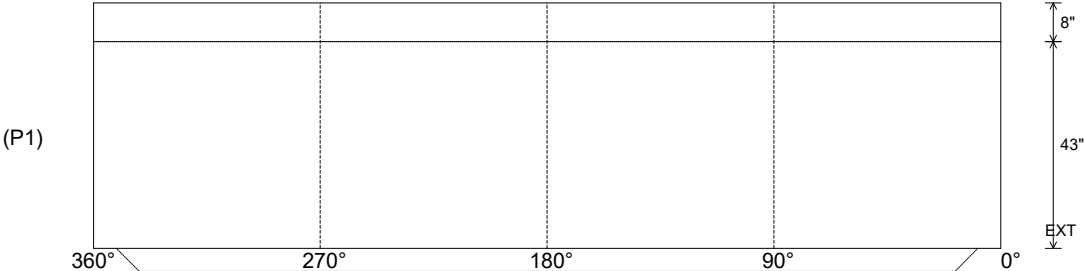
DRILL & STUB #5 BAR @ 8" LONG 12" C-C FOR EXTENDED BASE FLANGE POUR

UPSIDE-DOWN VIEW (int. dimensions)



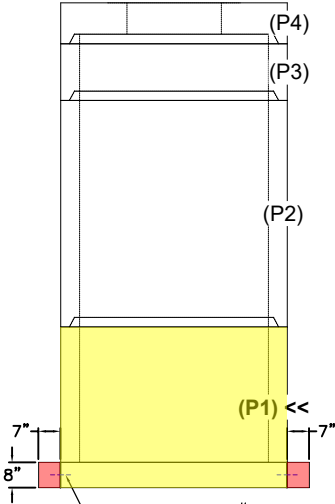
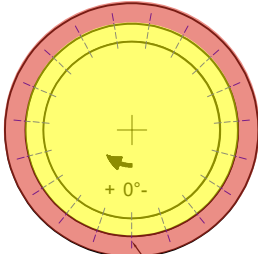
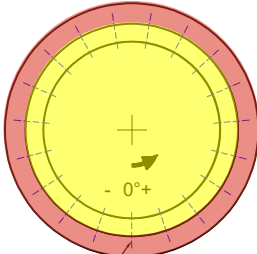
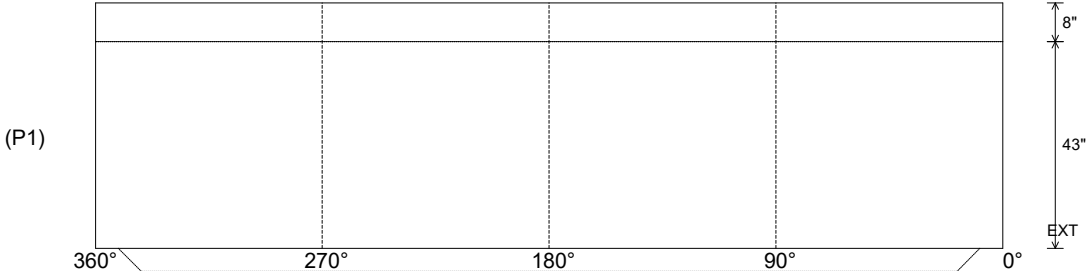
DRILL & STUB #5 BAR @ 8" LONG 12" C-C FOR EXTENDED BASE FLANGE POUR

INSIDE WALL DIMENSIONS



(P1)

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 43" Height (Ext): 51"	Weight (Net): 8388 lb Volume (Net): 2.14cu.yd
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Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3 Job Location: Olive Hill, KY Contractor: Walker Principles					Plant: 100 7/6/2026 11:03:06 AM		Tech: J. Horsley PC: E. Bradley				
Structure ID: SCUM WW											
P1 MH060BAEVF			MH BASE w/FLANGE (08F/07EF)								
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 ----- 20230 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.				
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											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
SECOND POUR DRAWING			RIGHT-SIDE UP VIEW (int. dimensions)				UPSIDE-DOWN VIEW (int. dimenions)				
WEIGHTS: FIRST POUR: 7,221 LBS SECOND POUR: 1,167 LBS TOTAL: 8,388 LBS  DRILL & STUB #5 BAR @ 8" LONG 12" C-C FOR EXTENDED BASE FLANGE POUR			 DRILL & STUB #5 BAR @ 8" LONG 12" C-C FOR EXTENDED BASE FLANGE POUR				 DRILL & STUB #5 BAR @ 8" LONG 12" C-C FOR EXTENDED BASE FLANGE POUR				
			INSIDE WALL DIMENSIONS								
											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 6" Floor Height: 8"		Height (Int): 43" Height (Ext): 51"		Weight (Net): 8388 lb Volume (Net): 2.14cu.yd		

Job Name: 25-1401 Irwin Landing Ph. 1
Job Location: Murfreesboro, TN
Contractor: Bear Construction LLC

Plant: Beaver Dam
6/9/2026 10:40:28 AM

Tech: S. Felletter
PC: Erica Bradley



Structure ID: R44

P2 MH060LD08SP

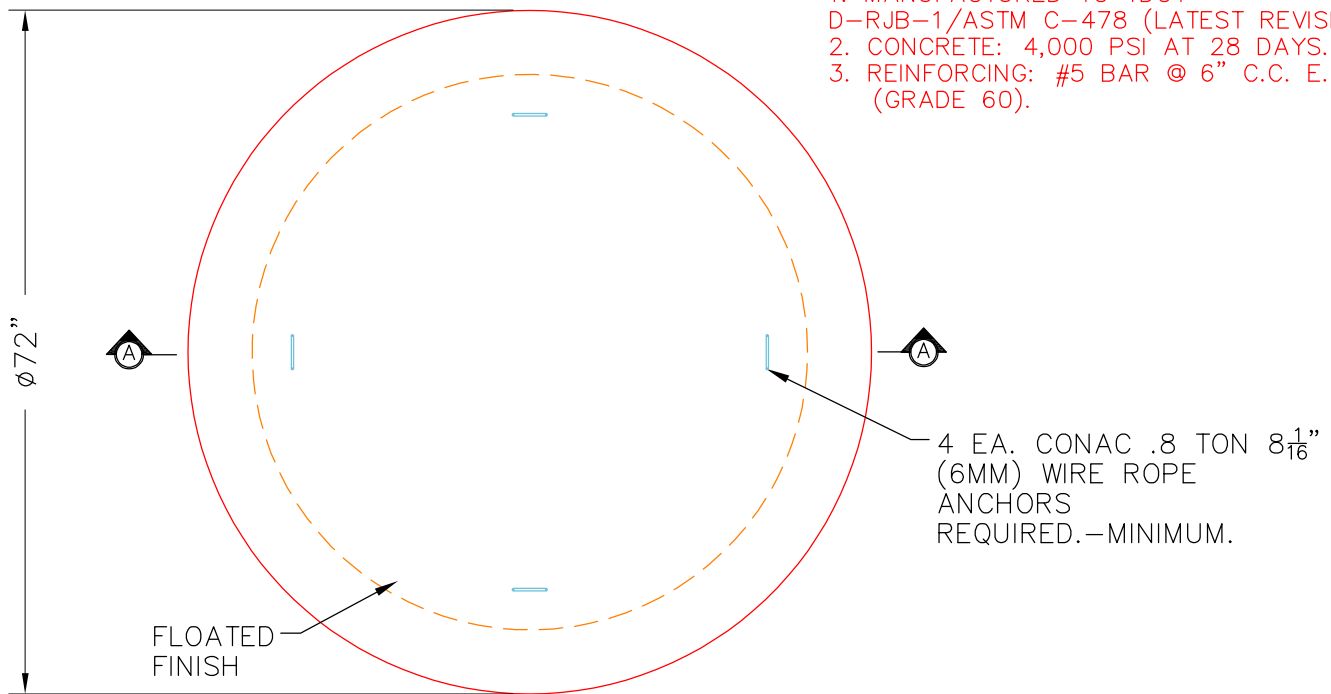
MH FLAT TOP - TDOT D-RJB-1 (SOLID) F/F

P2) 60" - MH FLAT TOP - TDOT D-RJB-1 (SOLID) F/F - 8"
P1) 60" - MH BASE F/n - 60"
1) 60" - STORM INVERT CHANNEL - 1/4 HEIGHT
1) 60" - Conseal CS-102 1.00"
1) Hole - 28
1) Hole - 48

2733 lb
7650 lb
1700 lb
0 lb
0 lb
0 lb

Structure Total: 12083 lb

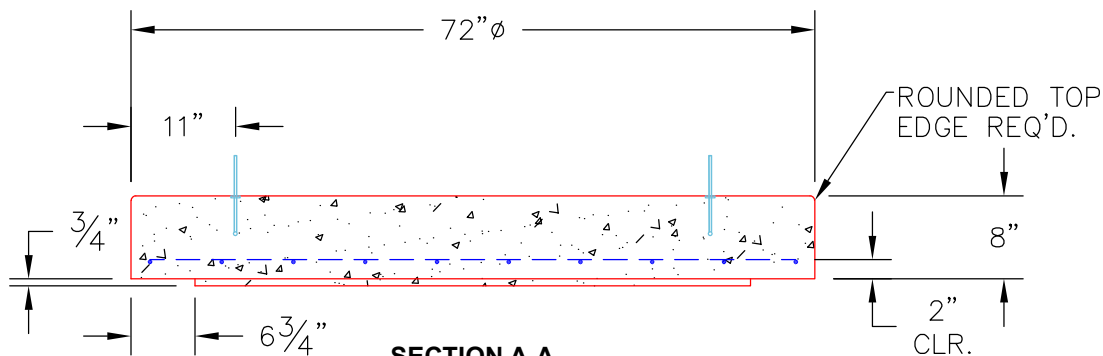
Structure Notes:
1. PER TDOT D-RJB-1 / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
REINFORCING PER ASTM A615 (GRADE 60).
** SEE TDOT STD DRAWING D-RJB-1 **
- TOP SLAB (As .49) #5 BARS AT 6" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.



NOTES:

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

PLAN VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

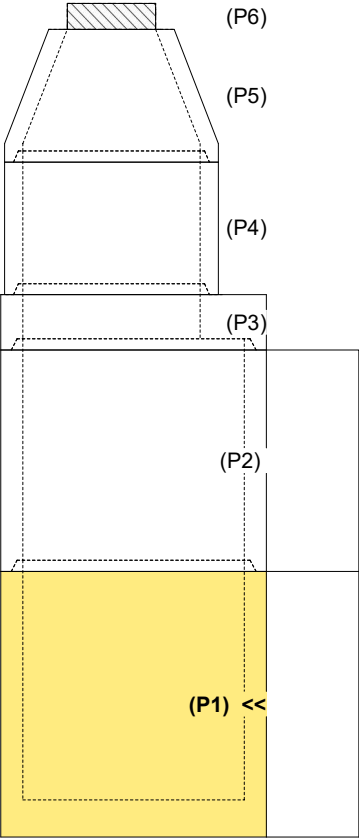
Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

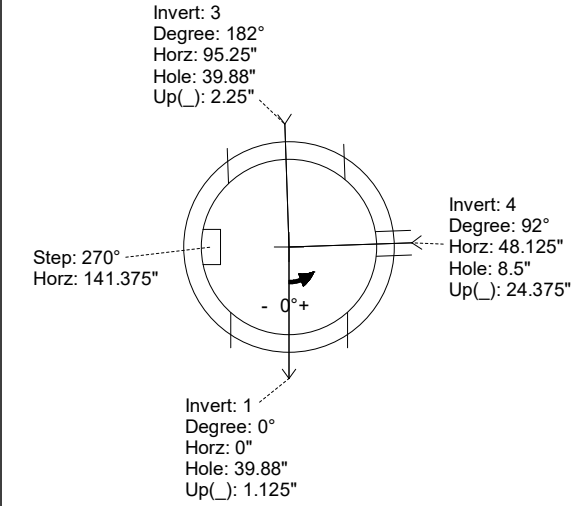
Height (Ext): 8"

Weight (Net): 2733 lb
Volume (Net): 0.7cu.yd

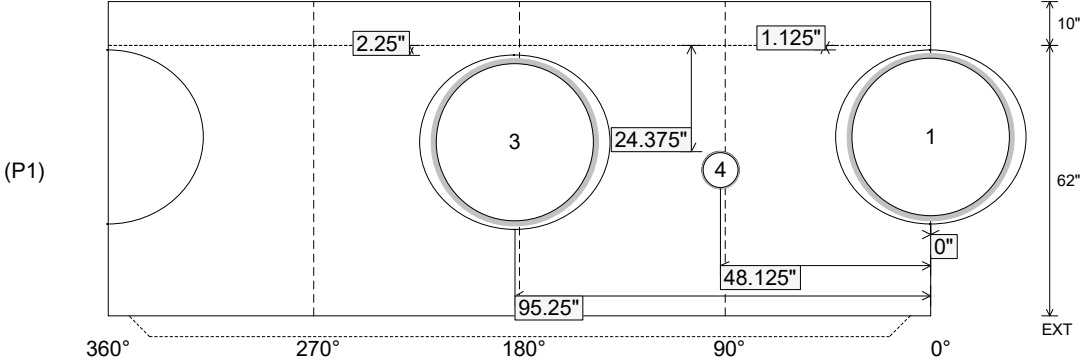
Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/20/2026 1:21:46 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301560											
P1 MH060DPVF		MH BASE (10"F) w/DROP Custom Ht T/n									
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 36" P3) 60" - MH Transition Slab 48" Hole T/G - 15" P2) 60" - MH RISER w/DROP T/G - 60" P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 62" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 16) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 6235 lb 11601 lb 2692 lb 3096 lb 2580 lb 0 lb 0 lb 2 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 33177 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 270 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS 7. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST				
					FIRST POUR (BASE): 11,601 LBS		SECOND POUR (DROP): 3,096 LBS				
Rim: 760.06'		Rim to Invert: 17.98'		Slack: 2.76"		Sump: 3"		Step Position: 270°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	742.08'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"	
Invert 2											
Invert 3	742.18'	182°	114.375"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"	
Invert 4	743.88'	92°	57.75"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 62" Height (Ext): 72"	Weight (Net): 11601 lb Volume (Net): 2.96cu.yd
----------------------------------	---------------------------------	---	--	---

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100		Tech: J. Horsley - A			
					3/20/2026 1:21:46 PM		PC: Celina Goff			
Structure ID: 2301560										
P1 MH060DPVF			MH BASE (10"F) w/DROP Custom Ht T/n							
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 36" P3) 60" - MH Transition Slab 48" Hole T/G - 15" P2) 60" - MH RISER w/DROP T/G - 60" P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 62" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 16) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 6235 lb 11601 lb 2692 lb 3096 lb 2580 lb 0 lb 0 lb 2 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 33177 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. EXTERIOR DROP REINFORCEMENT: DRILL & STUB #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 270 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS 7. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST 8. ADD 8" SDR 35 DROP & ELBOW AT INVERT 4 (92°)			
							FIRST POUR (BASE): 11,601 LBS SECOND POUR (DROP): 3,096 LBS			
Rim: 760.06'		Rim to Invert: 17.98'		Slack: 2.76"		Sump: 3"		Step Position: 270°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	742.08'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2										
Invert 3	742.18'	182°	114.375"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 4	743.88'	92°	57.75"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):	Seam Up: Tongue	Wall Thickness: 6"	Height (Int): 62"	Weight (Net): 11601 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 10"	Height (Ext): 72"	Volume (Net): 2.96cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100		Tech: J. Horsley - A			
					3/20/2026 1:21:46 PM		PC: Celina Goff			
Structure ID: 2301560										
P1 MH060DPVF			MH BASE (10"F) w/DROP Custom Ht T/n							
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 36" P3) 60" - MH Transition Slab 48" Hole T/G - 15" P2) 60" - MH RISER w/DROP T/G - 60" P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 62" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 16) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 6235 lb 11601 lb 2692 lb 3096 lb 2580 lb 0 lb 0 lb 2 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 33177 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 270 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS 7. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST			
Rim: 760.06' Rim to Invert: 17.98' Slack: 2.76" Sump: 3" Step Position: 270°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	742.08'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2										
Invert 3	742.18'	182°	114.375"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 4	743.88'	92°	57.75"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 62" Height (Ext): 72"	Weight (Net): 11601 lb Volume (Net): 2.96cu.yd
----------------------------------	---------------------------------	---	--	---

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements

Job Location: Fort Mitchell, KY 41017

Contractor: Lykins Contracting

Plant: 100

3/26/2026 2:15:12 PM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301559

P2 MH060RSVF-D

MH RISER w/DROP Custom Ht T/G

P6) 24" - CASTING HEIGHT - 7"

P5) 48" - CON CONE w/24" HOLE F/G - 24"

P4) 48" - MH RISER T/G - 36"

P3) 60" - MH Transition Slab 48" Hole T/G - 15"

P2) 60" - MH RISER w/DROP Custom Ht T/G - 52"

P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 60"

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

1) SECONDARY POUR - Add Exterior Drop to Base (P1)

1) SECONDARY POUR - Add Exterior Drop to Riser (P2)

2) 60" - Conseal CS-102 1.00" (Double)

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

2) A-Lok - 1235

1) Drop Tee - 8" PVC

1) Drop Elbow - 8" PVC

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

0 lb

2252 lb

2515 lb

2204 lb

5400 lb

11306 lb

2692 lb

3010 lb

2236 lb

0 lb

0 lb

2 lb

0 lb

0 lb

0 lb

Structure Total: 31617 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. STEPS AT 270 DEGREES

5. 7" CASTING SUPPLIED BY OTHERS

6. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST

First Pour (Riser): 5,400 LBS

Second Pour (Drop): 2,236 LBS

Rim: 757.64'

Rim to Invert: 16.08'

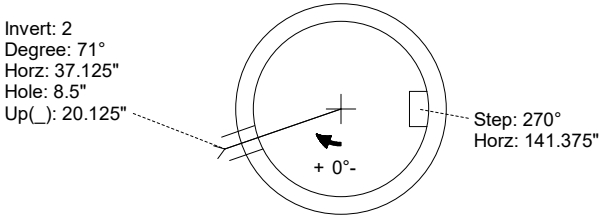
Slack: 1.96"

Sump: 3"

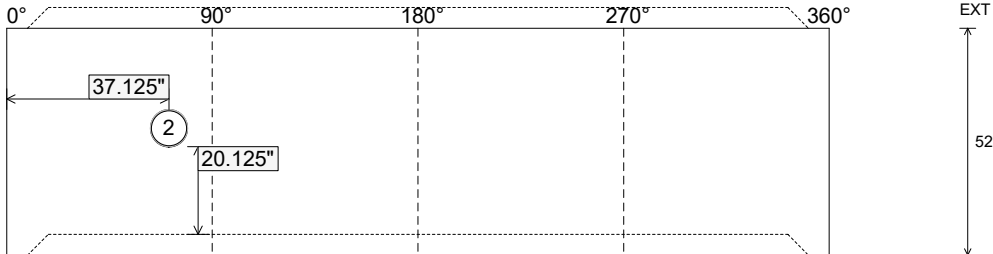
Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	748.4'	71°	44.625"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.529"	20.125"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 52"

Height (Ext): 52"

Weight (Net): 5400 lb

Volume (Net): 1.38cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements

Job Location: Fort Mitchell, KY 41017

Contractor: Lykins Contracting

Plant: 100

3/26/2026 2:15:12 PM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301559

P2 MH060RSVF-D

MH RISER w/DROP Custom Ht T/G

P6) 24" - CASTING HEIGHT - 7"

P5) 48" - CON CONE w/24" HOLE F/G - 24"

P4) 48" - MH RISER T/G - 36"

P3) 60" - MH Transition Slab 48" Hole T/G - 15"

P2) 60" - MH RISER w/DROP Custom Ht T/G - 52"

P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 60"

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

1) SECONDARY POUR - Add Exterior Drop to Base (P1)

1) SECONDARY POUR - Add Exterior Drop to Riser (P2)

2) 60" - Conseal CS-102 1.00" (Double)

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

2) A-Lok - 1235

1) Drop Tee - 8" PVC

1) Drop Elbow - 8" PVC

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

0 lb

2252 lb

2515 lb

2204 lb

5400 lb

11306 lb

2692 lb

3010 lb

2236 lb

0 lb

0 lb

2 lb

0 lb

0 lb

0 lb

Structure Total: 31617 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. EXTERIOR DROP REINFORCEMENT: DRILL & STUB #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. STEPS AT 270 DEGREES

5. 7" CASTING SUPPLIED BY OTHERS

6. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST

7. ADD 8" SDR 35 DROP & TEE AT INVERT 2 (71°)

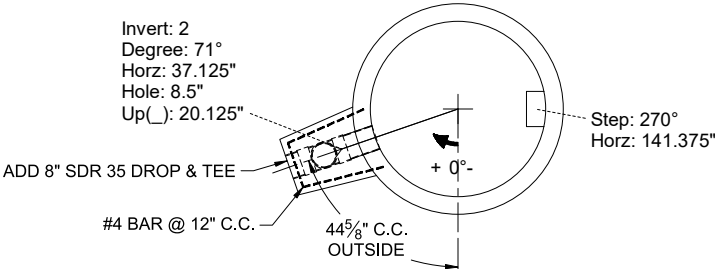
FIRST POUR (RISER): 5,400 LBS

SECOND POUR (DROP): 2,236 LBS

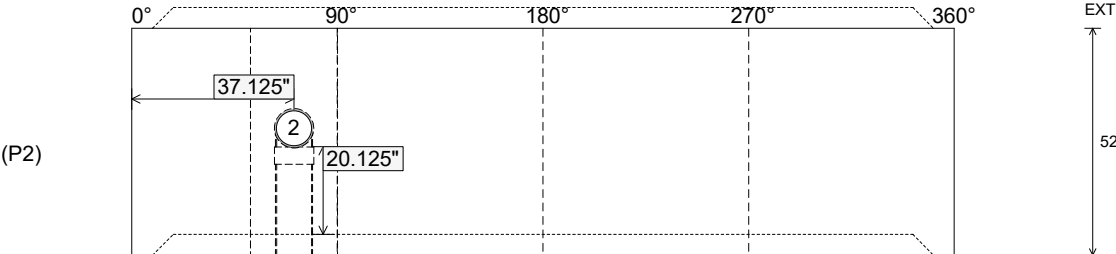
Rim: 757.64' Rim to Invert: 16.08' Slack: 1.96" Sump: 3" Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	748.4'	71°	44.625"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.529"	20.125"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 52"

Height (Ext): 52"

Weight (Net): 5400 lb

Volume (Net): 1.38cu.yd

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

Plant: 100

3/27/2026 11:40:38 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301559

P3 MH060TS15-48ECC

MH Transition Slab 48" Hole T/G

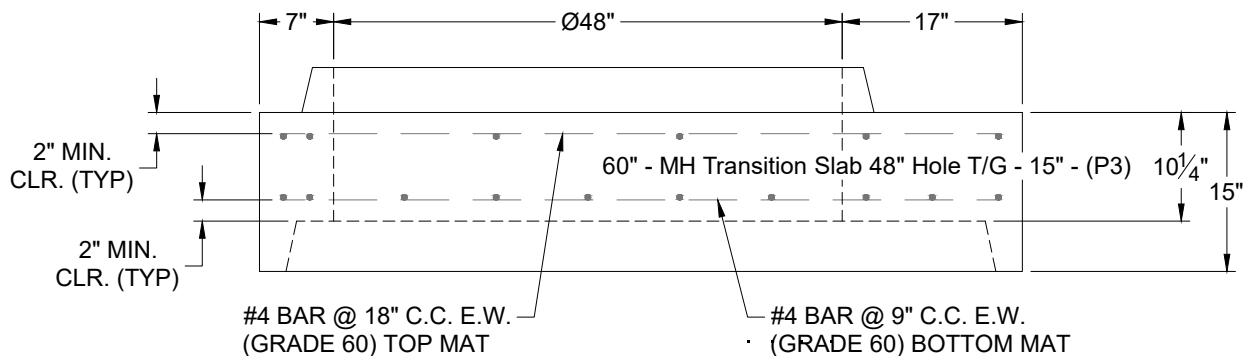
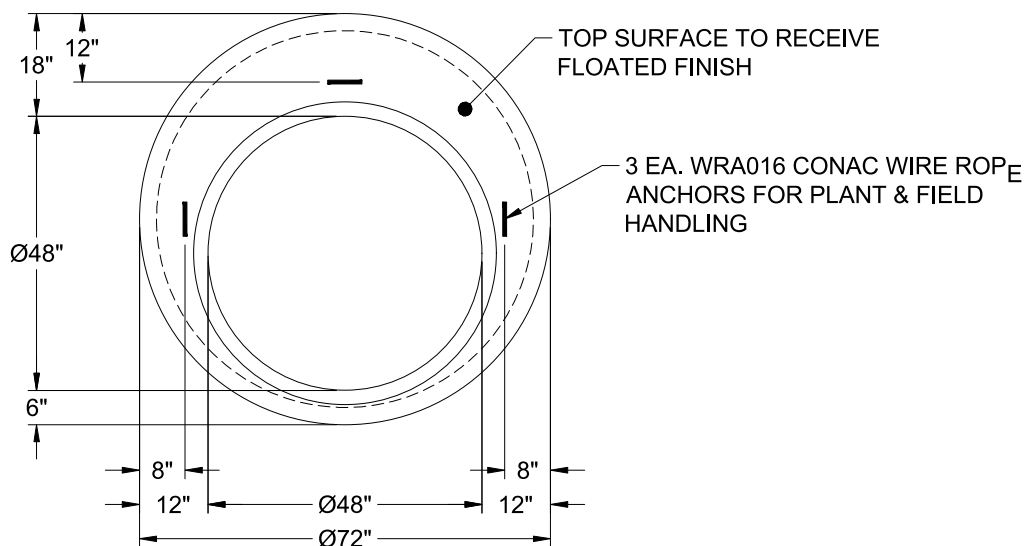
P6) 24" - CASTING HEIGHT - 7"
P5) 48" - CON CONE w/24" HOLE F/G - 24"
P4) 48" - MH RISER T/G - 36"
P3) 60" - MH Transition Slab 48" Hole T/G - 15"
P2) 60" - MH RISER w/DROP Custom Ht T/G - 52"
P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 60"
1) 60" - MH INVERT CHANNEL - FULL HEIGHT
1) SECONDARY POUR - Add Exterior Drop to Base (P1)
1) SECONDARY POUR - Add Exterior Drop to Riser (P2)
2) 60" - Con Seal CS-102 1.00" (Double)
2) 48" - Con Seal CS-102 1.00" (Double)
2) A-Lok - 1235
1) Drop Tee - 8" PVC
1) Drop Elbow - 8" PVC
14) MH Step ML-10-TDS-NCR - 10"

0 lb
2252 lb
2515 lb
2204 lb
5400 lb
11306 lb
2692 lb
3010 lb
2236 lb
0 lb
0 lb
2 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 31617 lb

Structure Notes:

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



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 15"

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

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

Plant: 100

6/4/2026 3:35:59 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: PROCESS RETURN P.S.

P4 MH084LD17SP

MH FLAT TOP w/48"x60" Hatch F/G

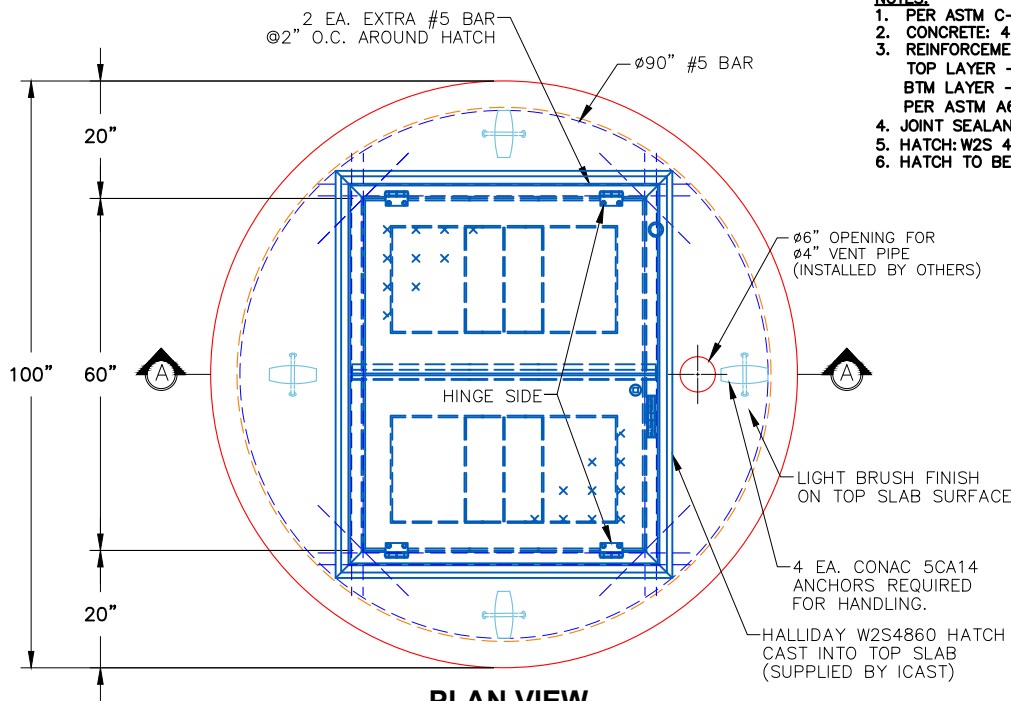
P5) 48" x 60" - HATCH (CAST FLUSH) - 3"
P4) 84" - MH FLAT TOP w/48"x60" Hatch F/G - 17"
P3) 84" - MH RISER Custom Ht T/G - 44"
P2) 84" - MH RISER T/G - 96"
P1) 84" - MH BASE w/FLANGE (12F/07EF) T/n - 77"
1) JOINT WRAP - 12" WD x 084" MH MAC WRAP
1) HATCH (Alum.) - HALLIDAY W2S 48"x60"
3) 84" - Conseal CS-231 1.00" (Double)
1) 48" x 60" - Conseal CS-231 1.00" (Double)
2) Z-Lok - C107-8
1) PSX - 8QRS-S NYLO
1) PSX - 16Y NYLO
2) PSX - 12-06 NYLO
1) Kor-N-Seal2 - S206-18L

100 lb
5512 lb
8537 lb
17932 lb
25218 lb
0 lb
126 lb
0 lb
0 lb
2 lb
6 lb
8 lb
16 lb
6 lb

Structure Total: 57463 lb

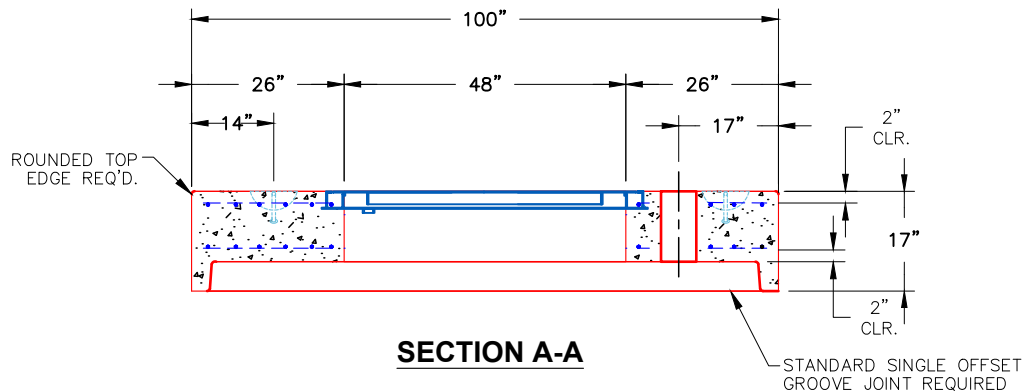
Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. HATCH SUPPLIED BY I-CAST (HALLIDAY W2S 48"x60").
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W (DOUBLE MAT).
 - RISER/WALLS (As .36)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W (DOUBLE MAT).



NOTES:

1. PER ASTM C-478 LATEST REVISION
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCEMENT:
TOP LAYER - #5 BAR @ 6" C.C.E.W.
BTM LAYER - #5 BAR @ 6" C.C.E.W.
PER ASTM A615 (GRADE 60).
4. JOINT SEALANT - 1" CS-231
5. HATCH: W2S 48"x60" HATCH IS PROVIDED BY ICAST.
6. HATCH TO BE CAST INTO TOP SLAB.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 8"

Height (Ext): 17"

Weight (Net): 5512 lb
Volume (Net): 1.41cu.yd

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

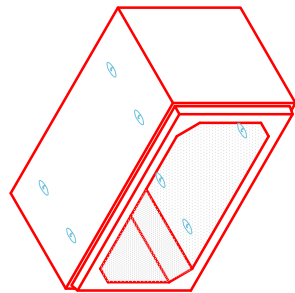
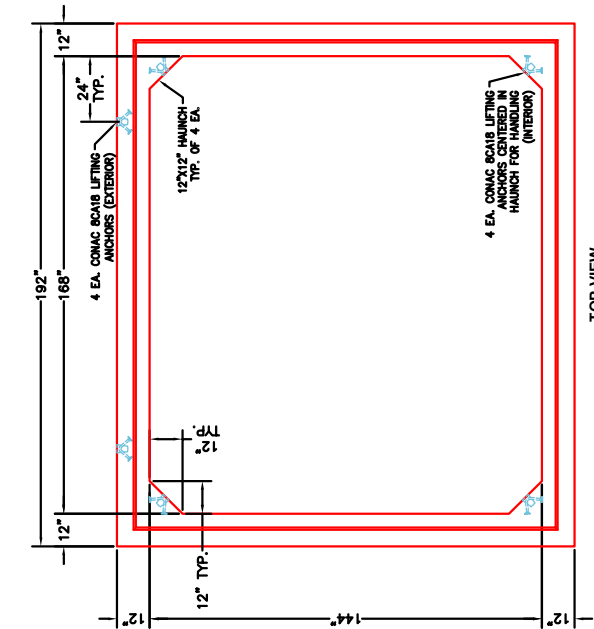
Plant: 100
7/6/2026 1:23:25 PM

Tech: Jared - A
PC: E. Bradley

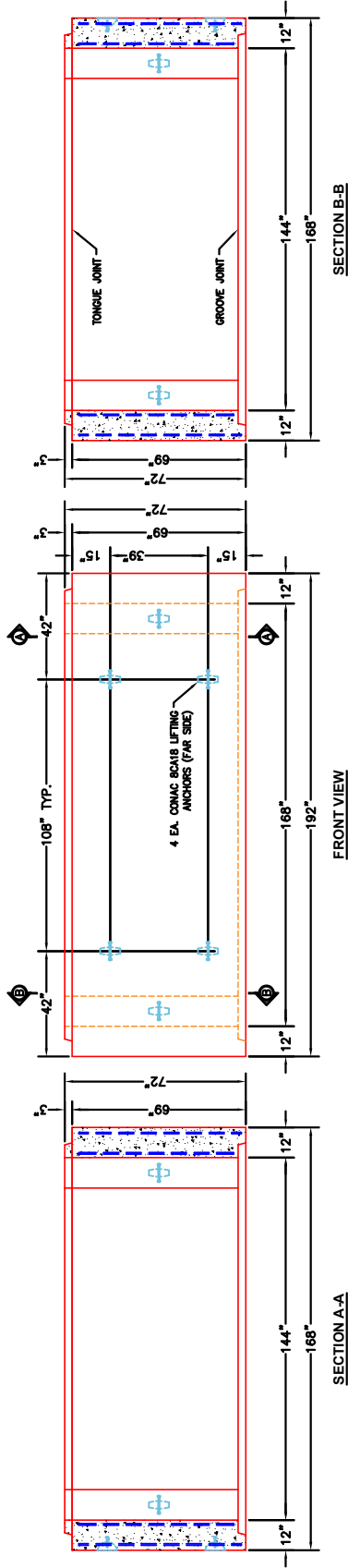
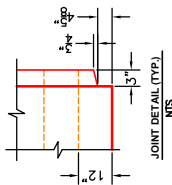


Structure ID: Box Culvert
P25 BC168144-12W12T12F-12H BOX CULVERT (12W/12F/12T) T/G

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

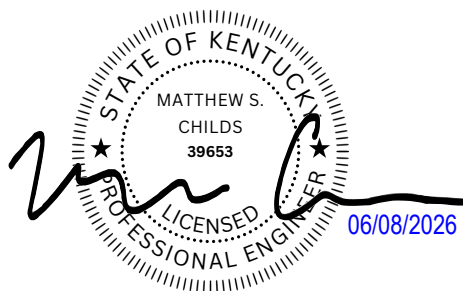


COMPONENT ISOMETRIC VIEW



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



MATT CHILDS ENGINEERING, PLLC

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

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

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

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

Physical Dimensions

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

Material Properties

Concrete
Strength, f_c: 5.000 ksi
Density: 0.150 kcf
Elasticity, E_c: 3834 ksi
Type: Normal wt

Steel
Yield, f_y: 65 ksi
Allow Stress: 39 ksi
Elasticity, E_s: 29000 ksi

Soil
Density: 0.120 kcf

Exposure Factor
Class 2 Exposure

Reinforcement Covers

Ext. Cover Top Slab:	1"
Ext. Cover Bottom Slab	1"
Ext. Cover Walls	1"
Int. Cover Walls	1"
Int. Cover Top Slab	1"
Int. Cover Bottom Slab	1"

Controlling Ratings

Inventory Rating: 5.85
Operating Rating: 7.59

Loads

Live Load

Vehicle Names:	HL-93
Traffic Direction:	Parallel
Eq. Height of Soil:	2.00 ft (Calc'd)

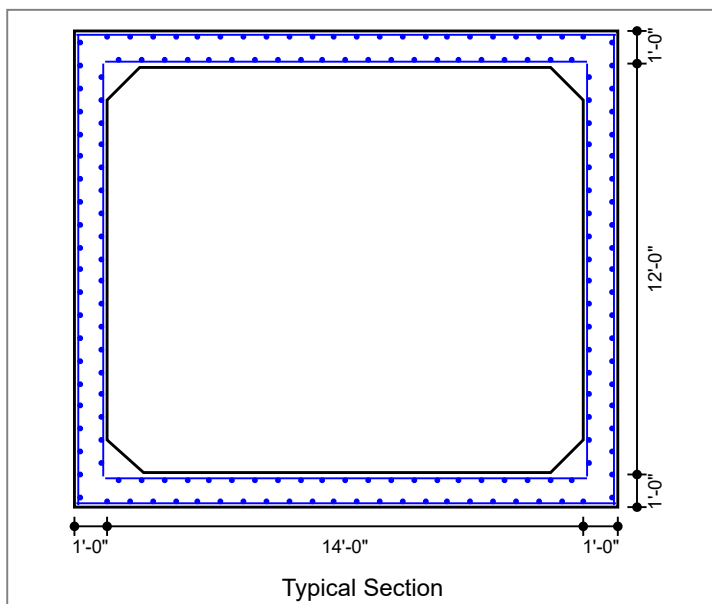
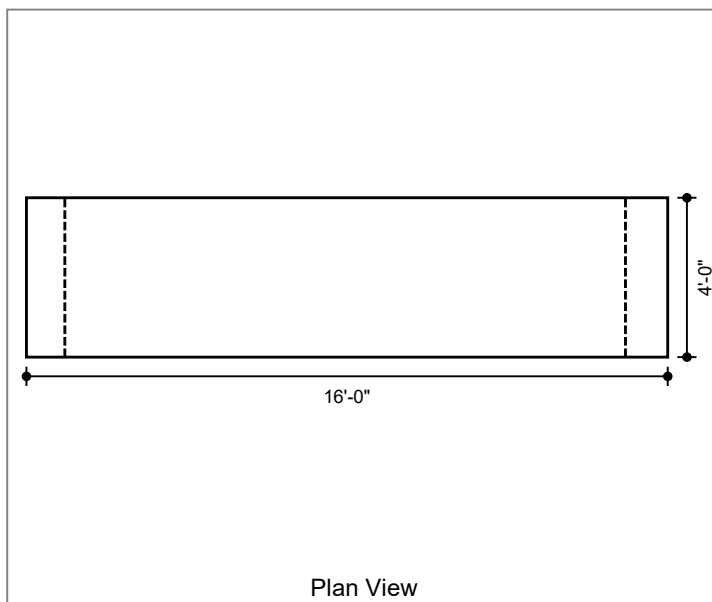
Dead Load

Future Wearing Surface:	0.000 klf
Additional Dead Load:	0.000 klf
Concentrated Loads:	none

Lateral Soil Loads

Eq. Fluid Press. Max:	60.00 pcf
Eq. Fluid Press. Min:	30.00 pcf

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



MATT CHILDS ENGINEERING, PLLC

Sht ____ of ____

By:MBJ

Ck: _____

6/5/2026 4:35:09 PM

p. 2 of 2

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

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

Concrete Summary

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

Reinforcing Steel Bar Schedule (lb)

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

Job Name: 24-1643B - KYTC McCracken Co. Call 200 (ID 241301)
Job Location: Paducah, KY
Contractor: Jim Smith Contracting Co, LLC

Plant: 100

5/28/2026 7:52:49 AM

Tech: J. Horsley

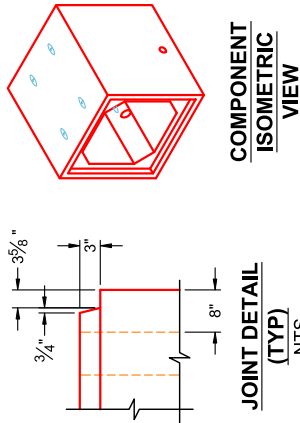
PC: C. Goff



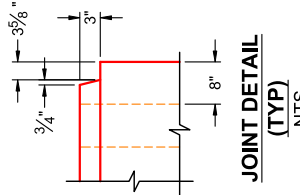
Structure ID: St. 45+00 (PC 8)

P1 BC048048-08WLF-9H

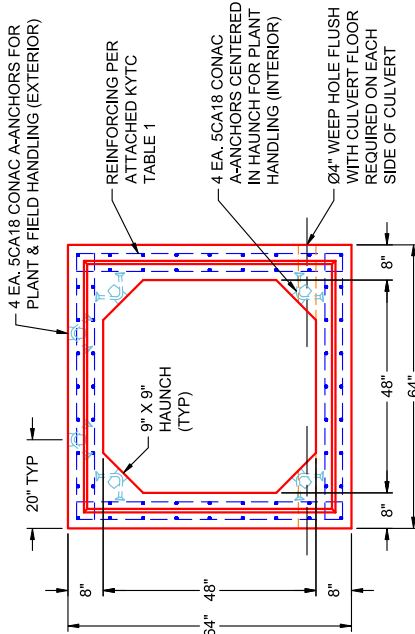
BOX CULVERT (08W/08F/08T) G/T



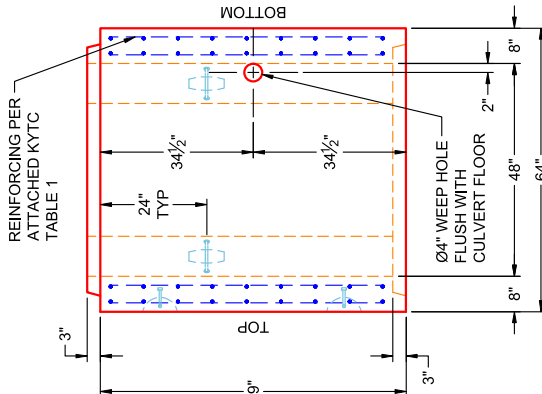
COMPONENT
ISOMETRIC
VIEW



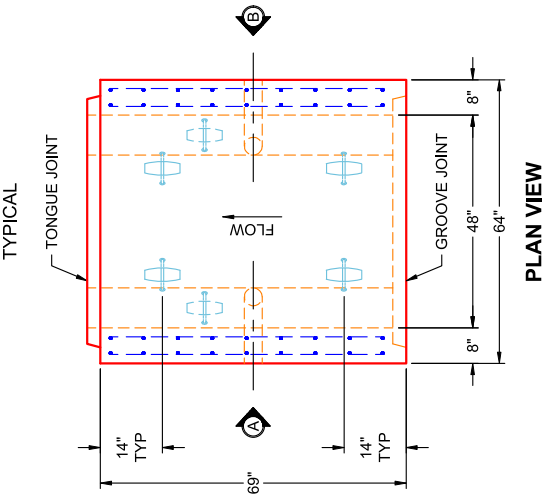
JOINT DETAIL
(TYP)
NTS



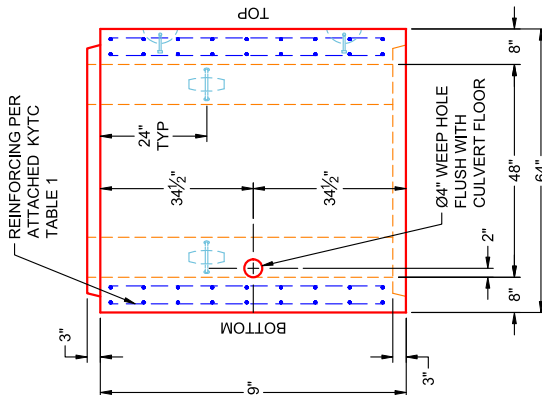
END VIEW
TYPICAL



VIEW B
PC 8
(UPRIGHT IN MOLD)



PLAN VIEW
PC 8
(UPRIGHT IN MOLD)



VIEW A
PC 8
(UPRIGHT IN MOLD)

GENERAL NOTES:

- PER SECTION 605 OF KYTC STANDARD SPECS FOR ROAD & BRIDGE CONSTRUCTION
- KYTC STAMP REQUIRED
- WEEP HOLES REQUIRED
- LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
- REINFORCEMENT PER ATTACHED KYTC TABLE 1
- COVER DEPTH: 0' - 7'
- CONCRETE: 5,000 PSI AT 28 DAYS
- JOINT SEALANT: 1" BUTYL MASTIC (CS-102)
EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
- WEIGHT: 4' X 4' RCBC = 1,968 LBS / LF
(5-9' LONG SECTION = 11,314 LBS)

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.: BC048048-08WLF-9H

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 11,314 LBS

TOP SECTION JOINT: TONGUE

BASE SECTION JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 48" X 48" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)

CUSTOMER: JIM SMITH CONTRACTING

PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)

STRUCTURE: ST. 45+00 (PC 8)

ORDER NO: 24-1643B

PE: J.H. ROSS

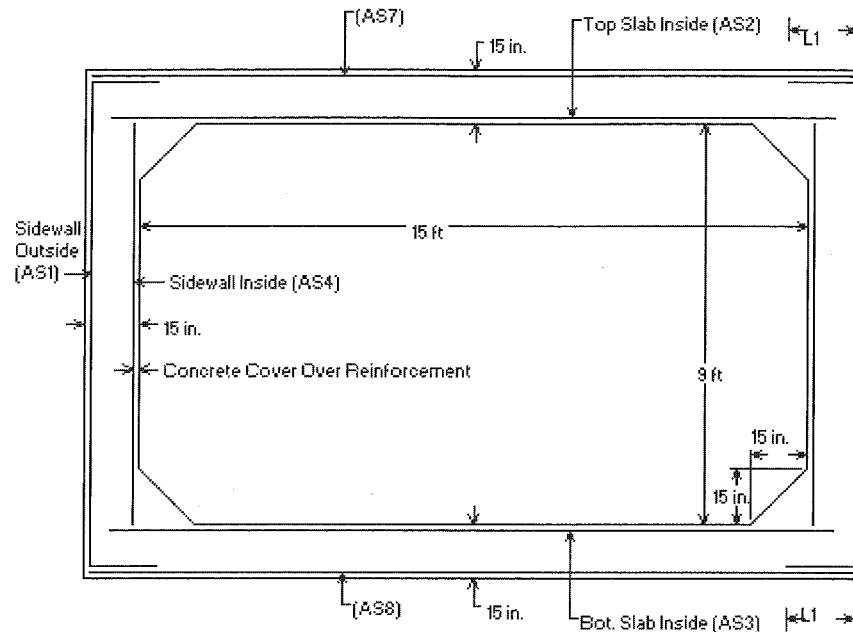
DRAWING: K. CARDWELL

DATE: 05/28/26

SCALE: NTS

PG. 1 OF 1

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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
4x3x5	0<2*	0.18	0.705	0.199	0.12	0.18	0.144	0.18	0.18
	2<3	0.198	0.309	0.27	0.12	0.12	0.12		
	3-5	0.123	0.191	0.193	0.12	0.12	0.12		
	10	0.12	0.142	0.146	0.12	0.12	0.12		
	15	0.12	0.193	0.197	0.12	0.12	0.12		
	20	0.152	0.249	0.253	0.12	0.12	0.12		
	25	0.187	0.306	0.31	0.12	0.12	0.12		
	30	0.225	0.366	0.37	0.12	0.12	0.12		
	35	0.263	0.428	0.432	0.12	0.12	0.12		

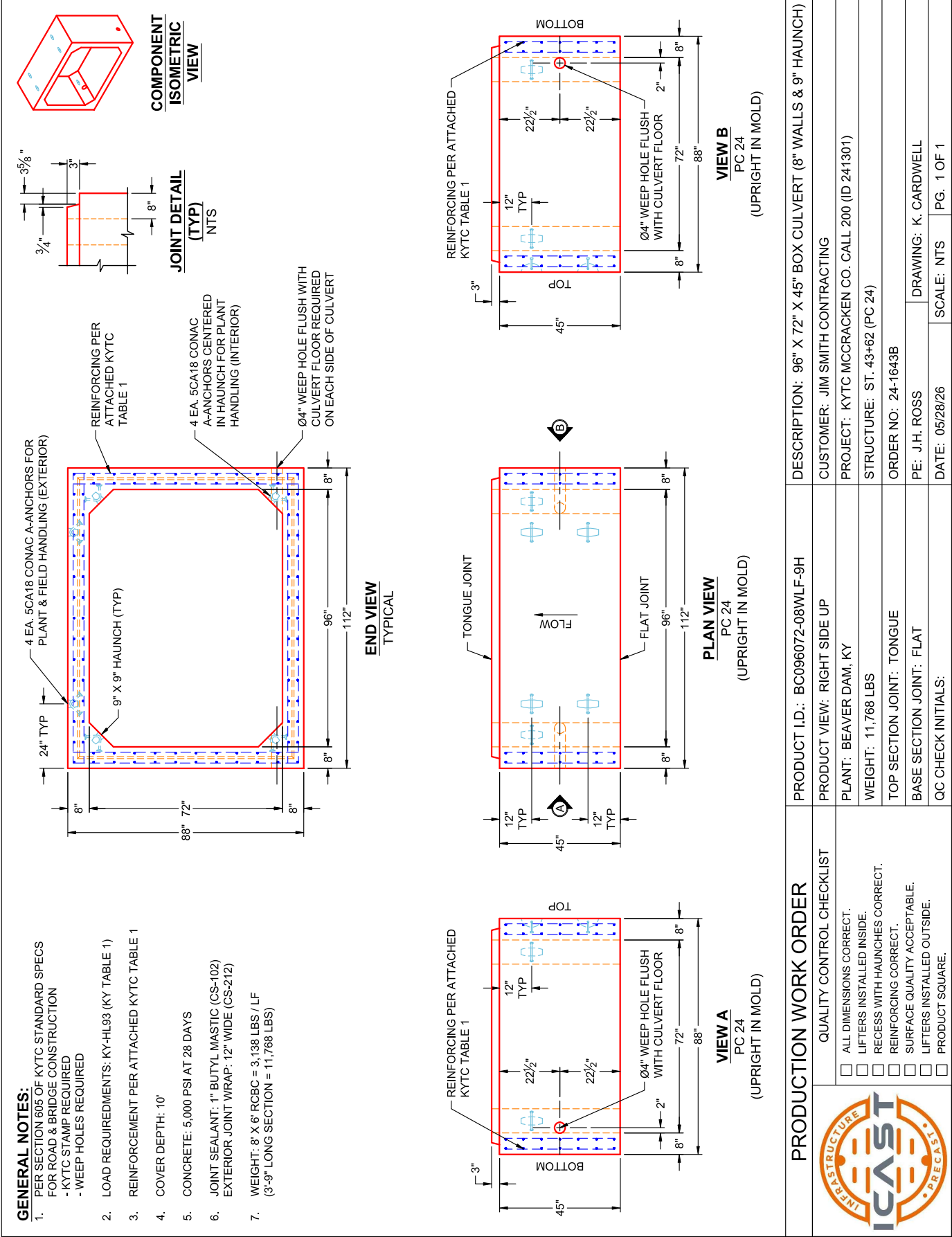
*top slab 7.5", bottom slab 6"

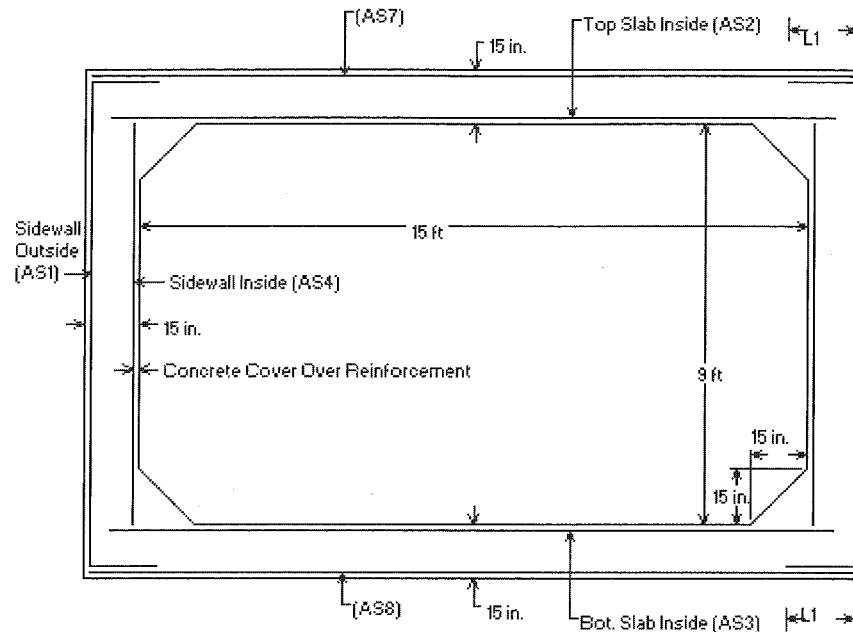
Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
4x4x5	0<2*	0.18	0.745	0.22	0.12	0.18	0.144	0.18	0.18
	2<3	0.154	0.314	0.276	0.12	0.12	0.12		
	3-5	0.12	0.215	0.219	0.12	0.12	0.12		
	10	0.12	0.155	0.162	0.12	0.12	0.12		
	15	0.12	0.21	0.217	0.12	0.12	0.12		
	20	0.124	0.269	0.276	0.12	0.12	0.12		
	25	0.152	0.331	0.339	0.12	0.12	0.12		
	30	0.182	0.396	0.403	0.12	0.12	0.12		
	35	0.213	1.205	0.471	0.12	0.12	0.12		

*top slab 7.5", bottom slab 6"

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
5x3x6	0<2*	0.192	0.726	0.201	0.144	0.6	0.168	0.192	0.192
	2<3	0.224	0.288	0.232	0.144	0.144	0.144		
	3-5	0.16	0.205	0.19	0.144	0.144	0.144		
	10	0.144	0.164	0.168	0.144	0.144	0.144		
	15	0.174	0.224	0.228	0.144	0.144	0.144		
	20	0.223	0.288	0.292	0.144	0.144	0.144		
	25	0.276	0.354	0.359	0.144	0.144	0.144		
	30	0.331	0.423	0.427	0.144	0.144	0.144		
	35	0.389	1.349	1.168	0.144	0.144	0.144		

*top slab 8", bottom slab 7"





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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x6x8	0<2	0.267	0.536	0.382	0.192	0.192	0.192	0.192	0.192
	2<3	0.266	0.458	0.382	0.192	0.192	0.192	0.192	0.192
	3-5	0.237	0.392	0.359	0.192	0.192	0.192		
	10	0.244	0.365	0.38	0.192	0.192	0.192		
	15	0.321	0.489	0.505	0.192	0.192	0.192		
	20	0.408	0.627	0.644	0.192	0.192	0.192		
	25	0.502	0.774	0.791	0.192	0.192	0.192		
	30	0.602	0.928	0.946	0.192	0.192	0.192		
	35	0.708	1.089	1.108	0.192	0.192	0.192		

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x7x8	0<2	0.245	0.557	0.403	0.192	0.192	0.192	0.197	0.192
	2<3	0.243	0.479	0.403	0.192	0.192	0.192	0.192	0.192
	3-5	0.215	0.409	0.378	0.192	0.192	0.192		
	10	0.225	0.378	0.396	0.192	0.192	0.192		
	15	0.295	0.507	0.526	0.192	0.192	0.192		
	20	0.374	0.651	0.671	0.192	0.192	0.192		
	25	0.459	0.804	0.825	0.192	0.192	0.192		
	30	0.549	0.965	0.987	0.192	0.192	0.192		
	35	0.644	1.134	1.157	0.192	0.192	0.192		

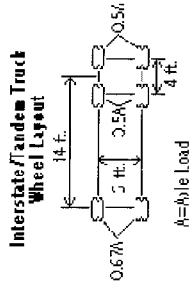
Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x8x8	0<2	0.226	0.575	0.42	0.192	0.192	0.192	0.203	0.192
	2<3	0.224	0.494	0.42	0.192	0.192	0.192	0.192	0.192
	3-5	0.201	0.423	0.393	0.192	0.192	0.192		
	10	0.211	0.386	0.407	0.192	0.192	0.192		
	15	0.276	0.518	0.54	0.192	0.192	0.192		
	20	0.349	0.665	0.688	0.192	0.192	0.192		
	25	0.427	0.822	0.846	0.192	0.192	0.192		
	30	0.51	0.988	1.013	0.192	0.192	0.192		

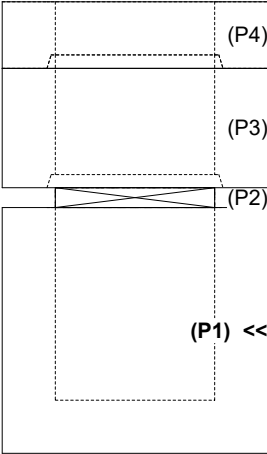
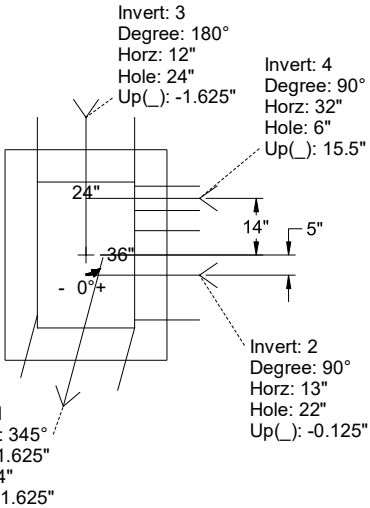
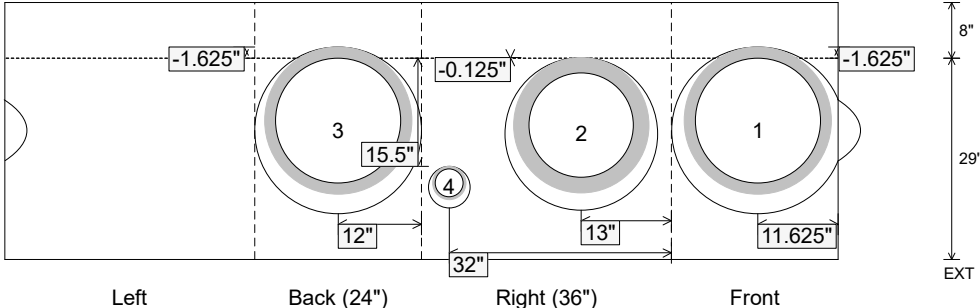
Charles D. Jaffe

22

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[Next Page >>](#)
[Previous Page <<](#)

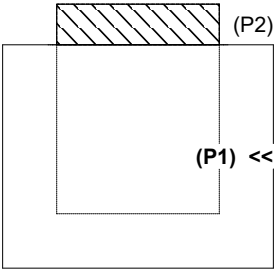
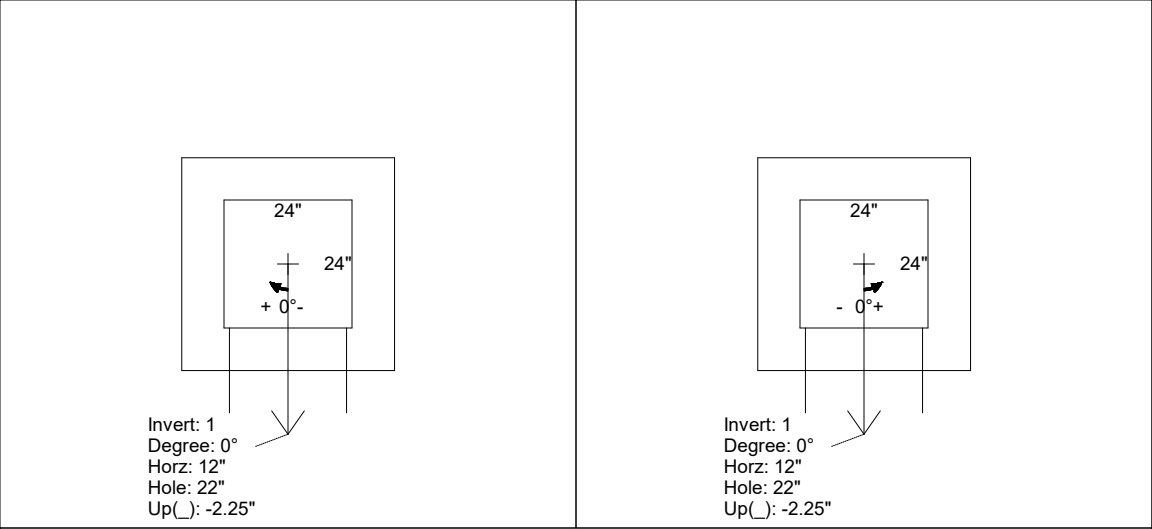
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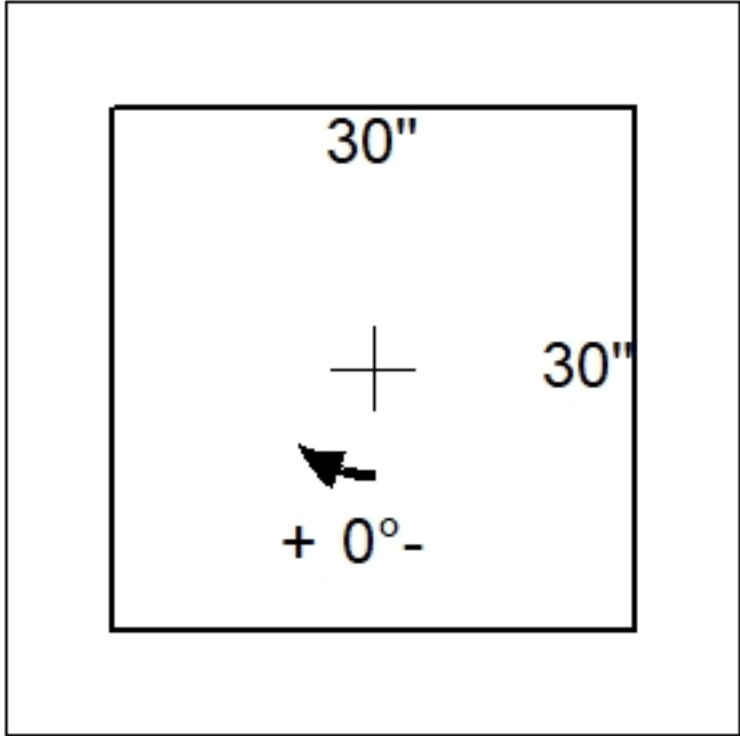
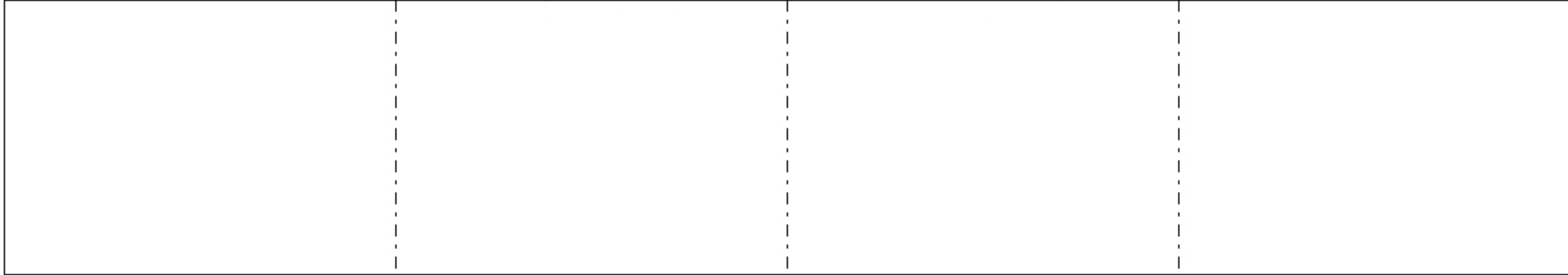


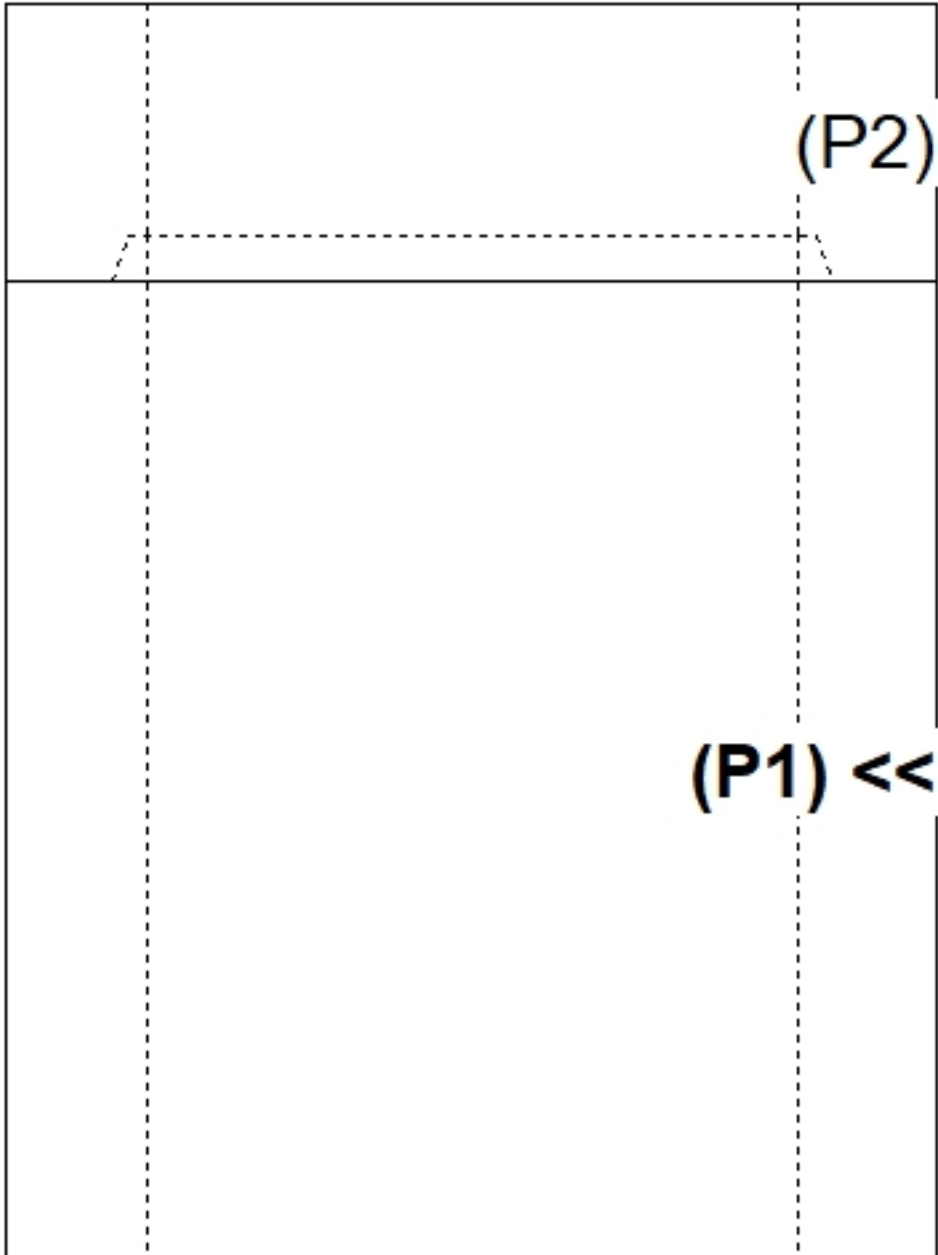
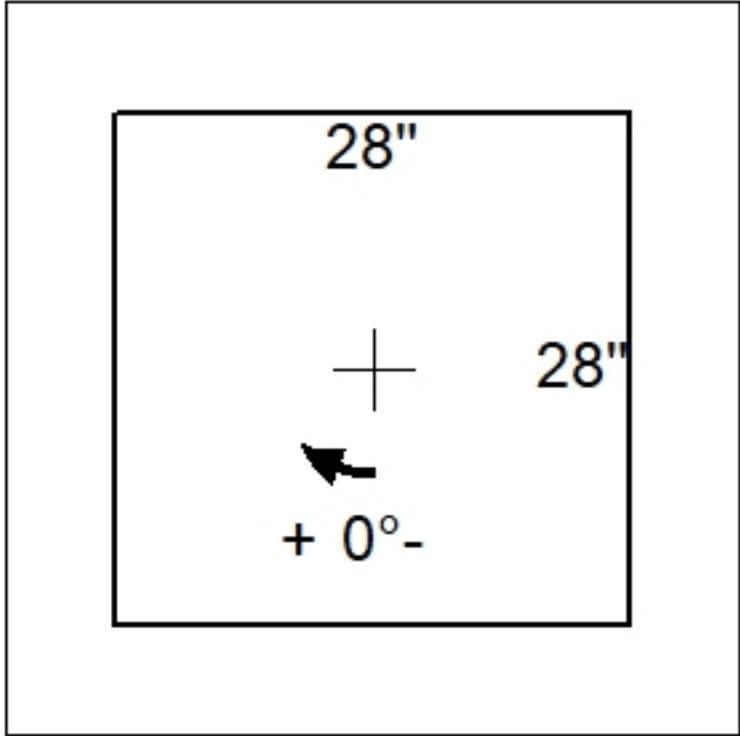
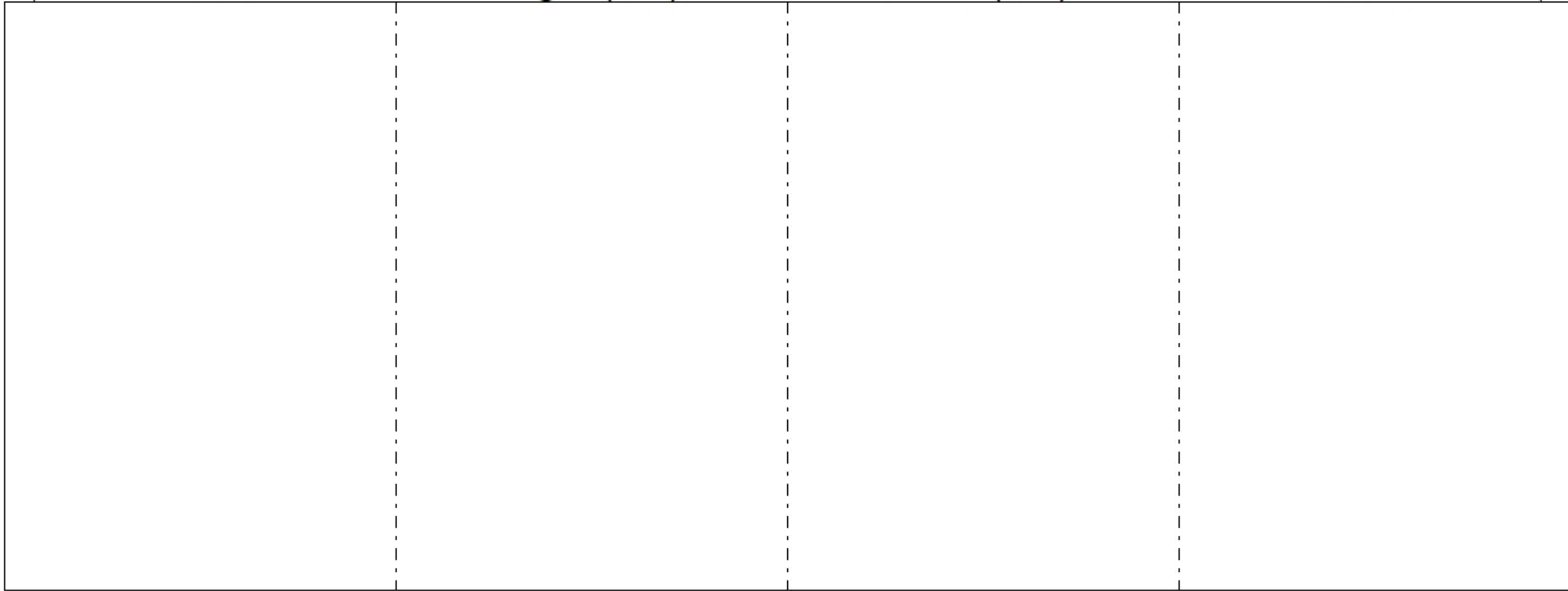
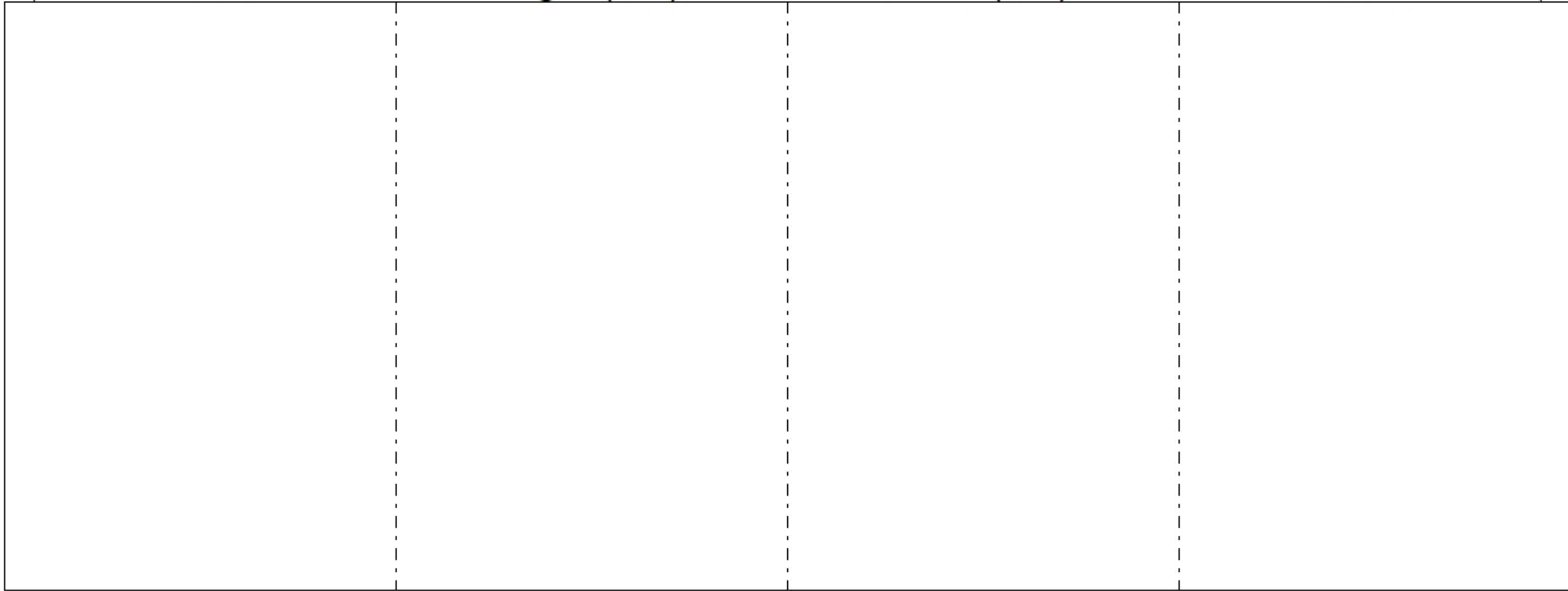
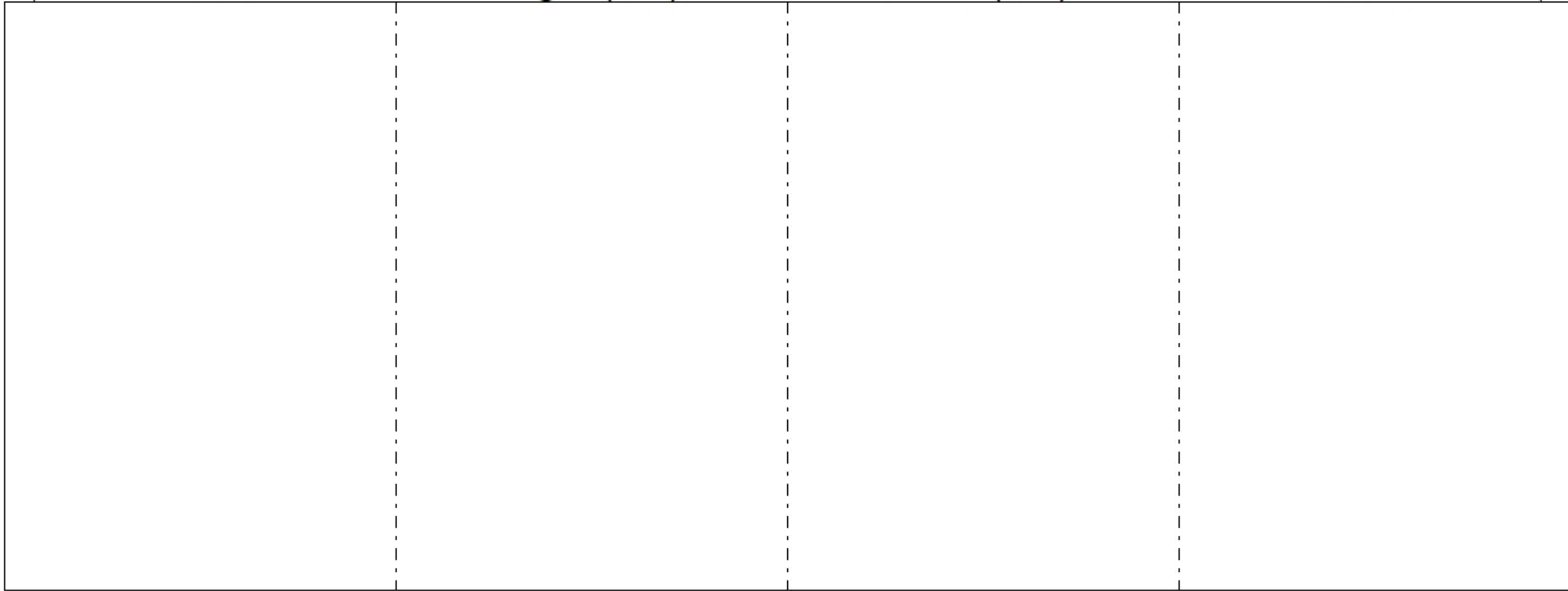
Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 6/26/2026 7:35:28 AM		Tech: J. Horsley PC: C. Goff						
Structure ID: 105													
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n									
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 - 3" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 29" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 2) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 22 1) Hole - 6						3398 lb 5270 lb 0 lb 3524 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 12398 lb		Structure Notes: ** KYTC STATE PROJECT ** STATION: 402+45 RT 1. PER KYTC CBI TYPE A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP 5. LIFTERS INSTALLED IN FLOOR					
Rim: 545.67'		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	540.59'	345°	17.375"	18" HDPE	21.2"	Hole 24	24"	23.99", 3.198"	-1.625"	4.24"			
Invert 2	540.77'	90°	21"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-0.125"	-5"			
Invert 3	540.59'	180°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"			
Invert 4	541.92'	90°	40"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	15.5"	14"			
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions) 													
INSIDE WALL DIMENSIONS 													
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 29" Height (Ext): 37"		Weight (Net): 3524 lb Volume (Net): 0.9cu.yd			



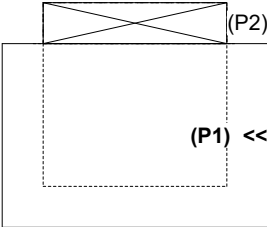
Weight (Net): 3397 lb
Volume (Net): 0.87cu.yd

Job Name: 23-2309 - Richland Estates Subdivision Job Location: Portland, TN Contractor: Core & Main LP (BG)					Plant: 100 6/30/2026 8:52:08 AM		Tech: J. Horsley PC: T. Lewis				
Structure ID: 06 ST-SCI											
P1 BX2424-08BAVF BOX BASE 8inW, 8inF, Variable Ht											
P2) 24" x 24" - CASTING HEIGHT - 6" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 25" 1) 24" x 24" - Conseal CS-202 1.00" 1) Hole - 22"						0 lb 2967 lb 0 lb 0 lb ----- Structure Total: 2967 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY OTHERS (NEENAH R-3501 TR/TL). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 805.6' Rim to Invert: 2.74' Slack: 1.88" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	802.86'	0°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)   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): 2967 lb Volume (Net): 0.76cu.yd		

Job Name: 25-2284C Parks at Cane Ridge Ph.2B Job Location: Antioch, TN Contractor: Josh King Excavating					Plant: Beaver Dam 6/22/2026 8:23:31 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: D5											
P1		BX3030-06RSVF			BOX RISER 6inW, Variable Ht F/F						
P1) 30" x 30" - BOX RISER 6inW, Variable Ht F/F - 21"							1522 lb Structure Total: 1522 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. . REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W.		
Rim: 1.75' Rim to Invert: 0' Slack: 0" 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											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
		INSIDE WALL DIMENSIONS									
(P1)										EXT 21"	
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 21" Height (Ext): 21"		Weight (Net): 1522 lb Volume (Net): 0.39cu.yd	

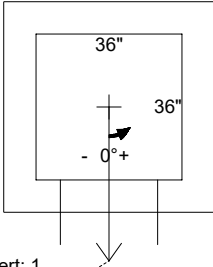
Job Name: 25-2284C Parks at Cane Ridge Ph.2B Job Location: Antioch, TN Contractor: Josh King Excavating					Plant: Beaver Dam 6/22/2026 8:23:30 AM		Tech: S. Felletter PC: A. Chambers												
Structure ID: D1.1 QL5																			
P1		BX2828-06R42			BOX RISER 6inW T/F														
P2) 28" x 28" - BOX RISER 6inW F/G - 12" P1) 28" x 28" - BOX RISER 6inW T/F - 42"						822 lb 2876 lb ----- Structure Total: 3697 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. . REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W.											
Rim: 4.5'		Rim to Invert: 0'		Slack: 0"		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																			
Invert 5																			
Invert 6																			
Invert 7																			
Invert 8																			
RIGHT-SIDE UP VIEW (int. dimensions)																			
																			
		INSIDE WALL DIMENSIONS <table><tr><td>Front</td><td>Right (28")</td><td>Back (28")</td><td>Left</td><td>EXT</td></tr><tr><td colspan="4"></td><td>42"</td></tr></table>										Front	Right (28")	Back (28")	Left	EXT			
Front	Right (28")	Back (28")	Left	EXT															
				42"															
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 42" Height (Ext): 42"		Weight (Net): 2876 lb Volume (Net): 0.74cu.yd										

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt				Plant: 100 6/5/2026 9:50:10 AM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 500										
P1 BX3636-08BAVF				BOX BASE 8inW, 8inF, Variable Ht F/n						
P2) 36" x 36" - P.I.P. - BY OTHERS - 8" P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 28" 1) CASTING - HOE KY-316 SET (DBI 1) 1) 36" x 36" - Conseal CS-102 1.00" 1) Hole - 24				0 lb 4820 lb 317 lb 0 lb 0 lb ----- 0 lb Structure Total: 5137 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TY 1 / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-316 FRAME & GRATES SUPPLIED BY ICAST - FRAME TO BE POURED IN PLACE BY OTHERS 7. STUB #5 BAR @ 12" C.C. (GRADE 60) 20" OUT TOP OF WALLS FOR FIELD POUR TIE-IN - MIN. 4" PENETRATION INTO WALLS				
Rim: 892'		Rim to Invert: 3'		Slack: 0"		Sump: 0"		Step Position:		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	889'	0°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



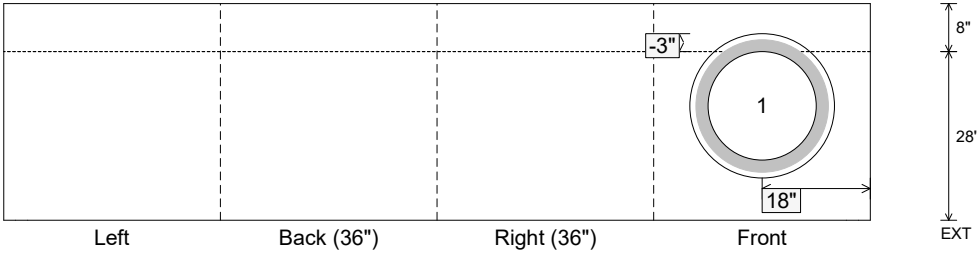
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



Invert: 1
Degree: 0°
Horz: 18"
Hole: 24"
Up(): -3"

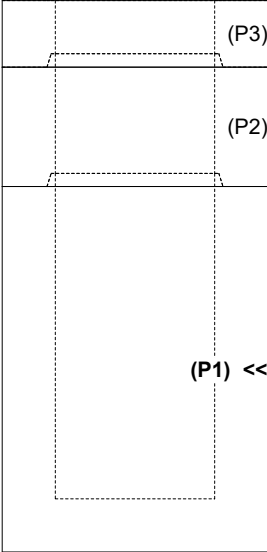
INSIDE WALL DIMENSIONS



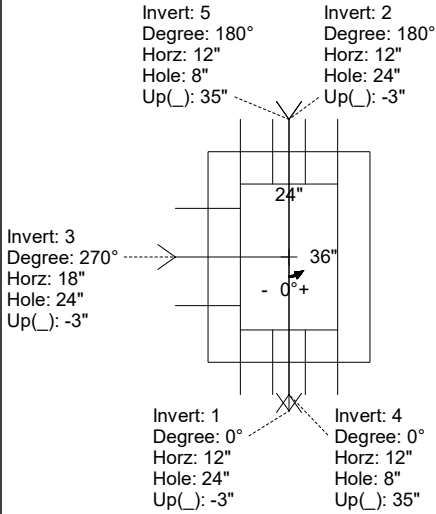
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 28" Height (Ext): 36"	Weight (Net): 4820 lb Volume (Net): 1.23cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/4/2026 4:51:48 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 520											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht T/n							
P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 47" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 3) Hole - 24 2) Hole - 8					3398 lb 5270 lb 5365 lb 206 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 14239 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP				
Rim: 835.68' Rim to Invert: 6.26' Slack: 0.12" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	829.42'	0°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	829.42'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 3	829.42'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 4	832.5'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	35"	0"	
Invert 5	832.5'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	35"	0"	
Invert 6											
Invert 7											
Invert 8											

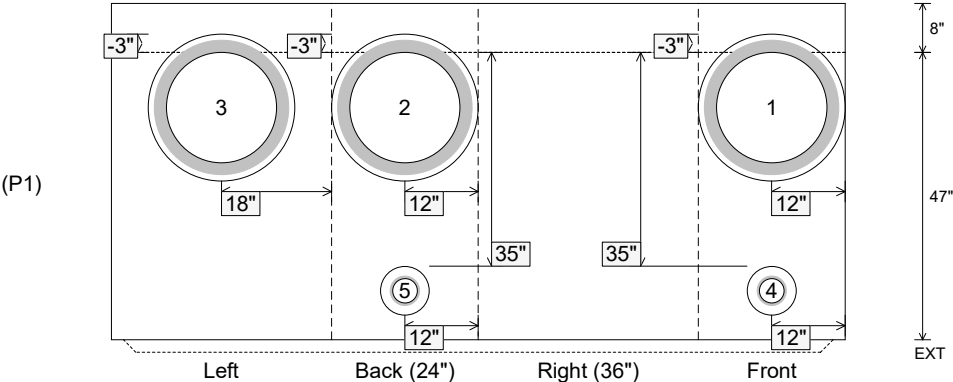
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 47" Height (Ext): 55"	Weight (Net): 5365 lb Volume (Net): 1.37cu.yd
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Job Name: 25-3062 Portland Bypass
Job Location: Portland, TN
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam
6/1/2026 8:23:03 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-28

P1 BX3232-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P2) 32" x 32" - CASTING HEIGHT - 7"
P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 41"
1) CASTING - JBS-3123 MODIFIED SET
1) 32" x 32" - Conseal CS-102 1.00"
2) Hole - 26
1) Hole - 6

Structure Notes:
1. PER TDOT D-CB-12LP / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 3123 MOD SINGLE SET BY ICAST
4. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

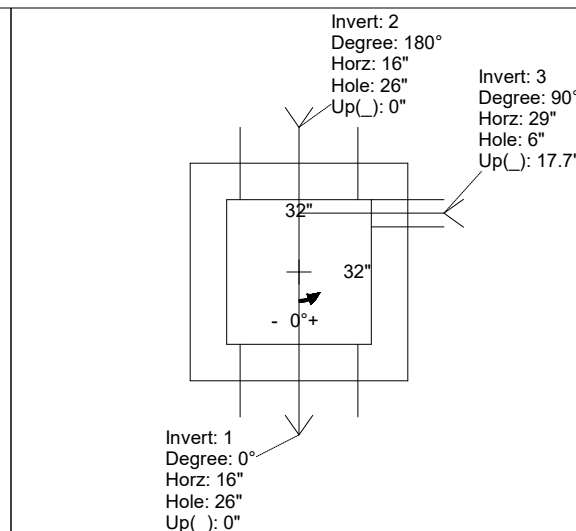
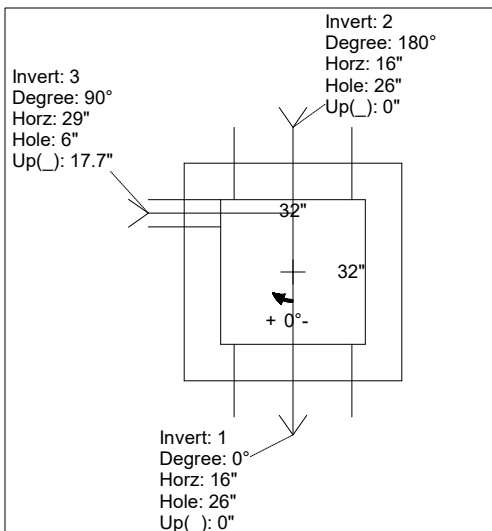
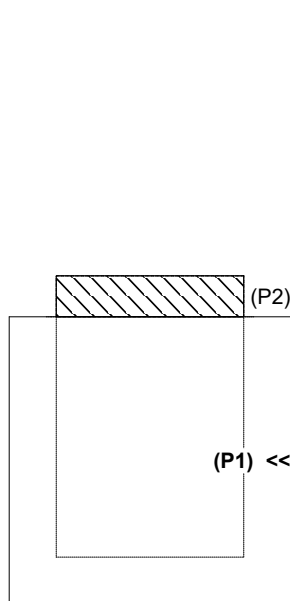
Structure Total: 5473 lb

Rim: 806.98' Rim to Invert: 3.8' Slack: 0.1" Sump: 2.5" Step Position:

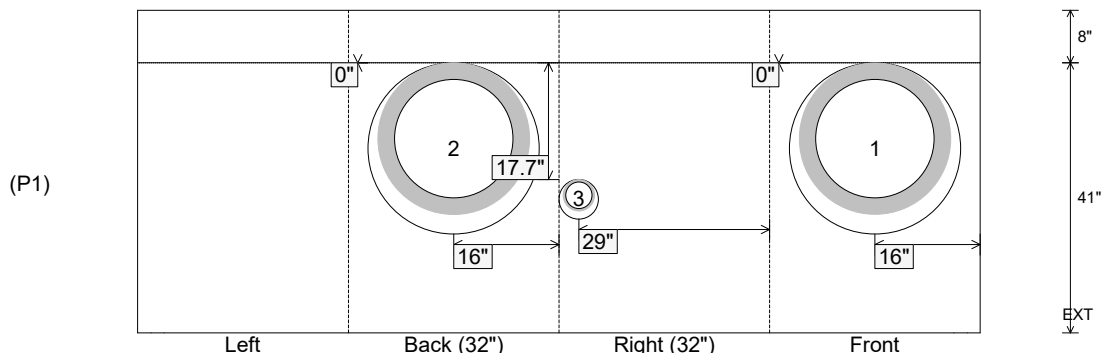
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	803.18'	0°	24"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2	803.18'	180°	24"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 3	804.48'	90°	37"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	17.7"	13"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



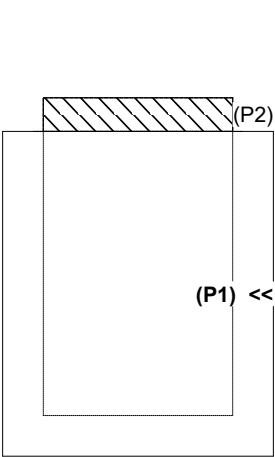
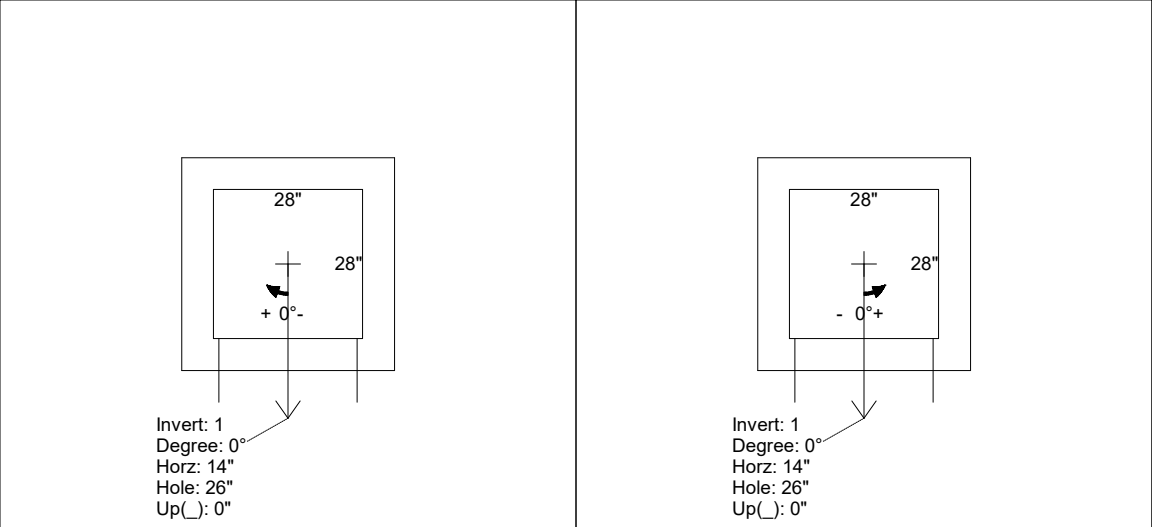
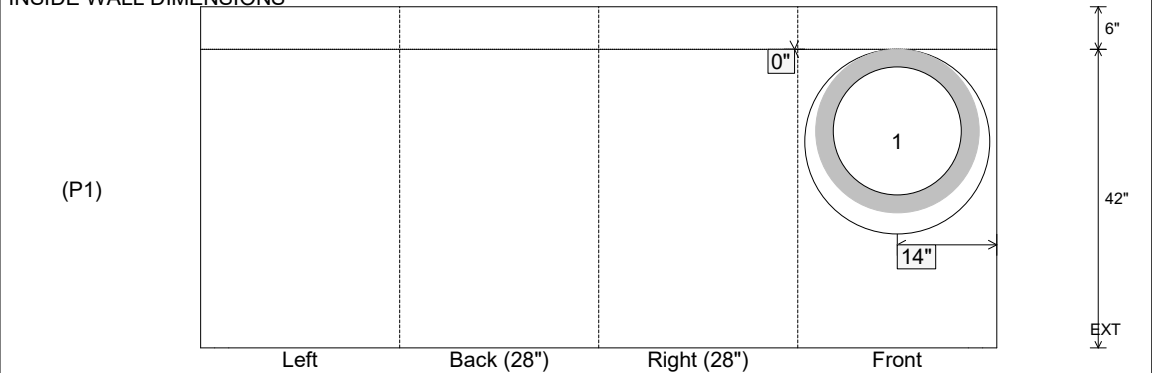
Coating (Int):
Coating (Ext):

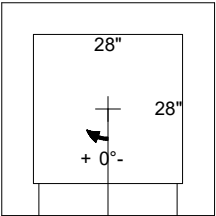
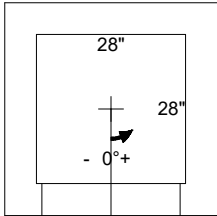
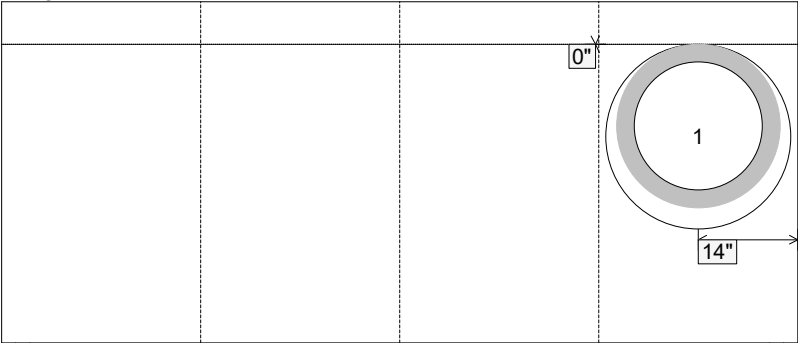
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 41"
Height (Ext): 49"

Weight (Net): 5223 lb
Volume (Net): 1.33cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:12 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R25											
P1		BX2828-06BA42		BOX BASE 6inW, 6inF F/n							
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 42" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 26"					0 lb 3414 lb 450 lb 250 lb 0 lb 0 lb ----- 4114 lb Structure Total:		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 574.67' Rim to Invert: 3.79' Slack: 0.98" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	570.88'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)   INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 6" Floor Height: 6"		Height (Int): 42" Height (Ext): 48"		Weight (Net): 3414 lb Volume (Net): 0.87cu.yd		

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:12 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R25											
P1		BX2828-06BA42		BOX BASE 6inW, 6inF F/n							
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 42" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 26"					0 lb 3414 lb 450 lb 250 lb 0 lb 0 lb ----- 4114 lb Structure Total:		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Invert channel drawing 4" Thick flat storm invert											
Rim: 574.67' Rim to Invert: 3.79' Slack: 0.98" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	570.88'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	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)  Invert: 1 Degree: 0° Horz: 14" Hole: 26" Up(_): 0"  Invert: 1 Degree: 0° Horz: 14" Hole: 26" Up(_): 0" INSIDE WALL DIMENSIONS  Left Back (28") Right (28") Front 6" 42" EXT											

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)

Job Location: Indiana, KY

Contractor: Louisville Paving and Construction

Plant: 100

6/17/2026 5:40:50 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 131

P1 BX18180606VF

BOX BASE 6inW, 6inF, Variable Ht T/n

P3) 18" x 18" - CASTING HEIGHT - 4"

P2) 18" x 18" - BOX RISER 6inW F/G - 12"

P1) 18" x 18" - BOX BASE 6inW, 6inF, Variable Ht T/n - 20"

2) 18" x 18" - Conseal CS-102 1.00"

2) Hole - 18

0 lb

580 lb

1228 lb

0 lb

0 lb

Structure Total: 1808 lb

Structure Notes:

1. PER MSD YARD DRAIN / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS

Rim: 567.05'

Rim to Invert: 3'

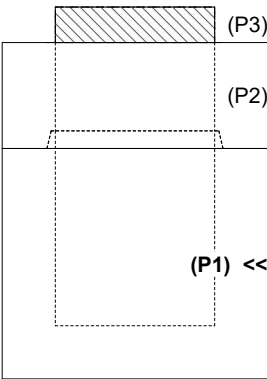
Slack: 0"

Sump: 0"

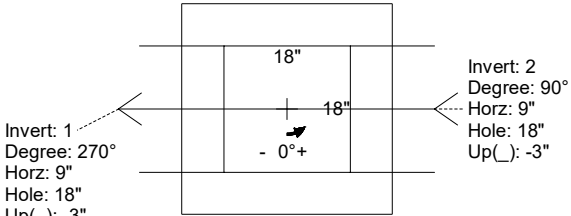
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	564.05'	270°	15"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"
Invert 2	564.05'	90°	15"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

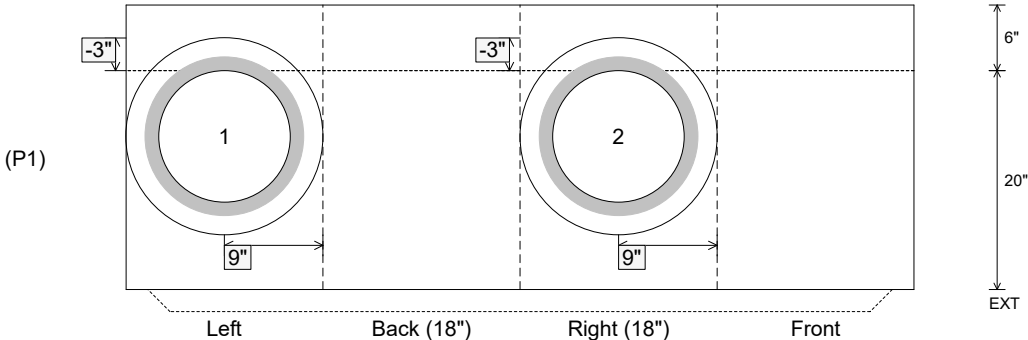
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

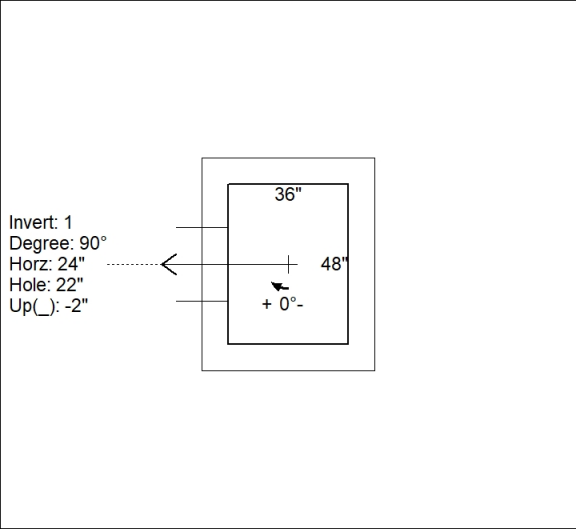
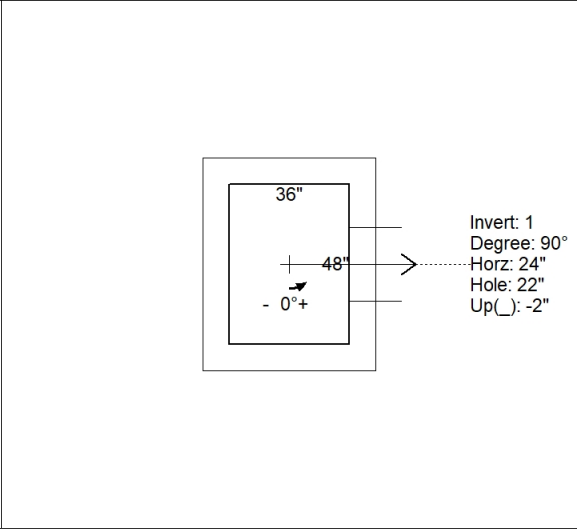
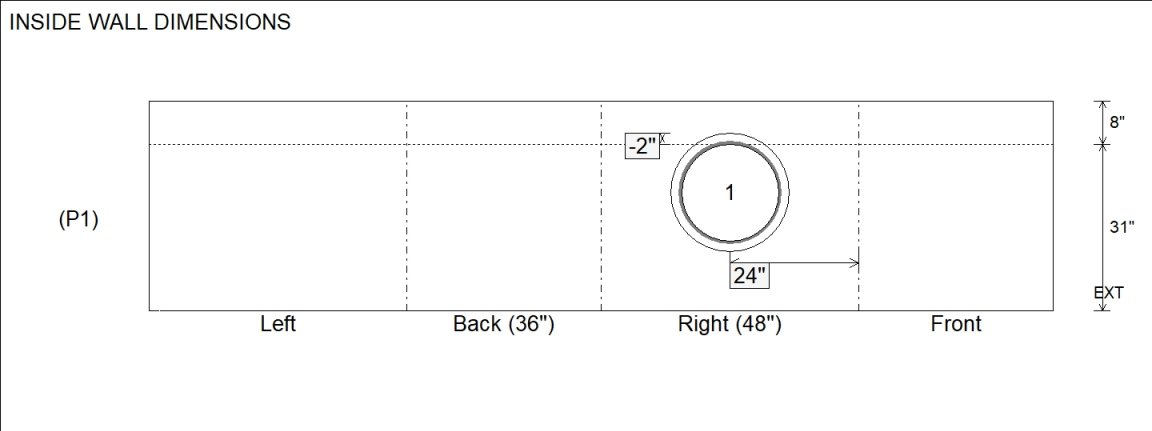
Floor Height: 6"

Height (Int): 20"

Height (Ext): 26"

Weight (Net): 1228 lb

Volume (Net): 0.31cu.yd

Job Name: 26-2030 - KYTC McCracken Co. Call 111 (ID 264505) Job Location: Paducah, KY Contractor: Jim Smith Contracting Co, LLC					Plant: 100 6/12/2026 7:49:44 AM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: 157+46 S4 DBI5D											
P1		BX3648-08BAVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P2) 36" x 48" - P.I.P. - BY OTHERS - 8" P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 31" 1) CASTING - HOE KY-460 SET (DBI 5D) 1) 36" x 48" - Conseal CS-102 1.00" 1) Hole - 22					0 lb 6141 lb 460 lb 0 lb 0 lb ----- Structure Total: 6601 lb		Structure Notes: **KYTC STATE PROJECT** 1. KYTC DBI TYPE 5 / ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-460 (DBI 5D). 4. STUB #5 BARS 20" OUT TOP OF WALLS (SPA@12"C/C) REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 376.38'		Rim to Invert: 3.32'		Slack: 0.84"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	373.06'	90°	32"	18" CMP	19"	Hole 22	22"	22"	-2"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions) 											
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): 6141 lb Volume (Net): 1.57cu.yd		



Weight (Net): 18363 lb
Volume (Net): 4.69cu.yd

Weight (Net): 18363 lb
Volume (Net): 4.69cu.yd

Job Number:

26-1038

Job Name:

Perryville & Junction City WW
Improvements

Structure:

61038 (7)

Note:

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

Job Name: 26-1038 - Perryville & Junction City WW Improvements
Job Location: Danville, KY
Contractor: Connhurst, LLC

Plant: 100

5/6/2026 4:07:12 PM

Tech: Jared - A

PC: E. Bradley



Structure ID: 61038 (6)

P2 BX060096-08LD08SP

BX FLAT LID 8"W w/36"x36" HATCH F/F

- P3) 36" x 36" - HATCH (CAST FLUSH) - 0"
P2) 60" x 96" - BX FLAT LID 8"W w/36"x36" HATCH F/F - 8"
P1) 60" x 96" - BX BASE w/FLANGE 08W/08F/06EF F/n - 52"
1) This Structure Includes a Cast-in Item - 36" x 36" Hatch (Supplied by Others)
1) SECONDARY POUR
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) LADDER (Alum.) - HALLIDAY L1B 48in Wall Mount Ladder
1) LADDER (Alum.) - HALLIDAY L1EAA Ladder Extension Safety Post
1) SPECIAL Internal Coating - Carboline 300M
1) 60" x 96" - Con seal CS-102 1.00" (Double)
4) Hole - 8
200.68 SqFt) Carboline Bitumastic 300M [INT]

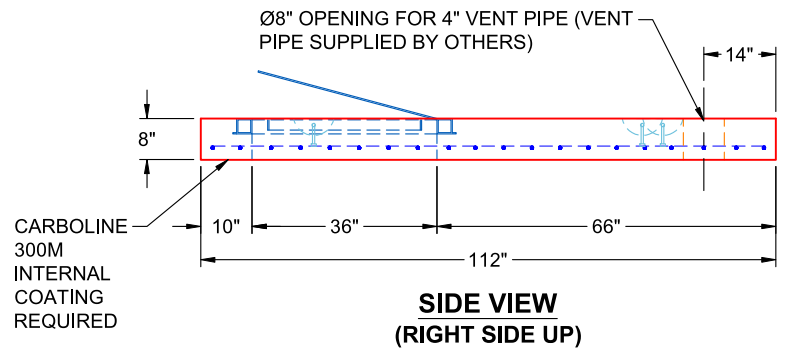
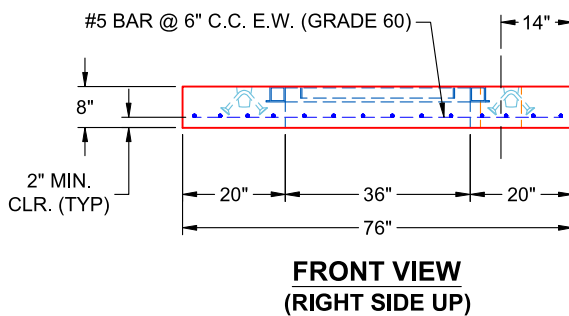
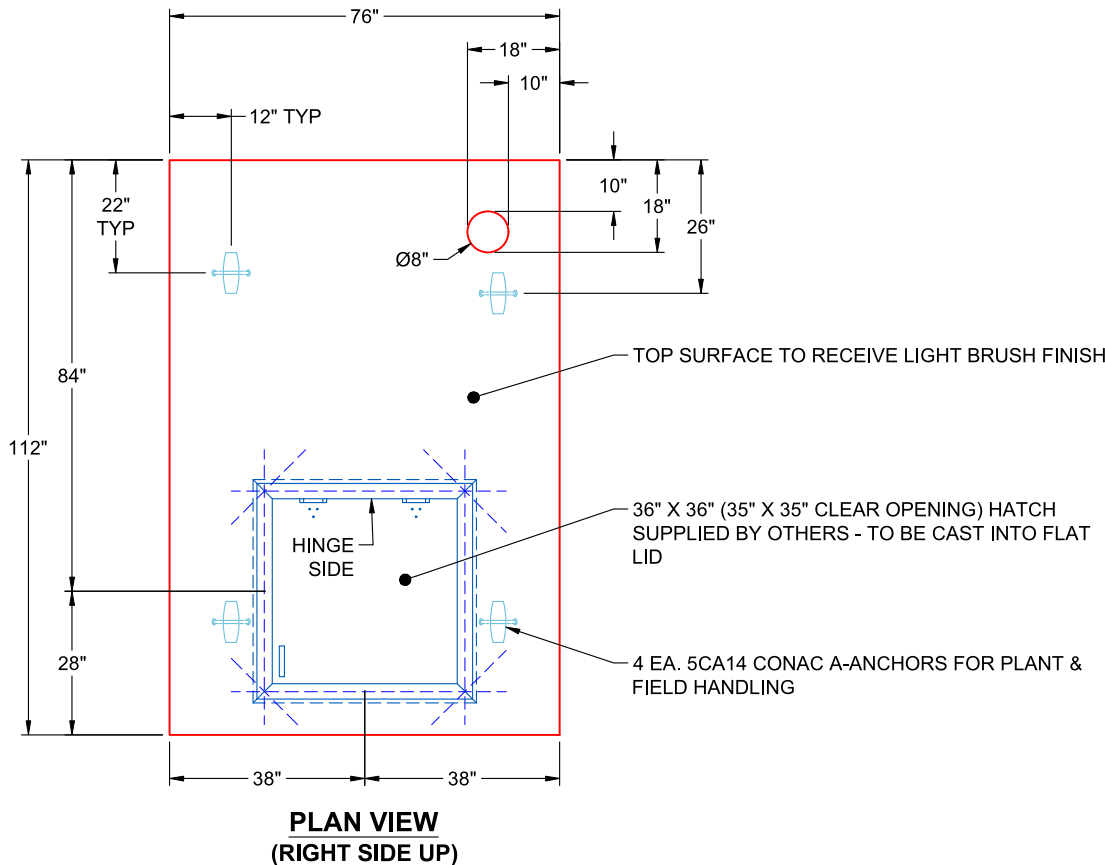
Structure Total:

0 lb
4890 lb
19198 lb
0 lb
0 lb
0 lb
50 lb
65 lb
0 lb
0 lb
0 lb
0 lb

24203 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. 36" X 36" (35" X 35" CLEAR OPENING) HATCH SUPPLIED BY OTHERS - TO BE CAST INTO FLAT LID
5. 4" VENT PIPE SUPPLIED BY OTHERS
6. SPECIAL INTERNAL COATING REQUIRED - CARBOLINE 300M
7. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
8. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH



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

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 4890 lb
Volume (Net): 1.25cu.yd

Job Number:

26-1038

Job Name:

Perryville & Junction City WW
Improvements

Structure:

61038 (6)

Note:

36" x 36" (35" x 35" Clear Opening)
Hatch Supplied By Others To Be Cast
Into Flat Lid

Job Number:

26-1038

Job Name:

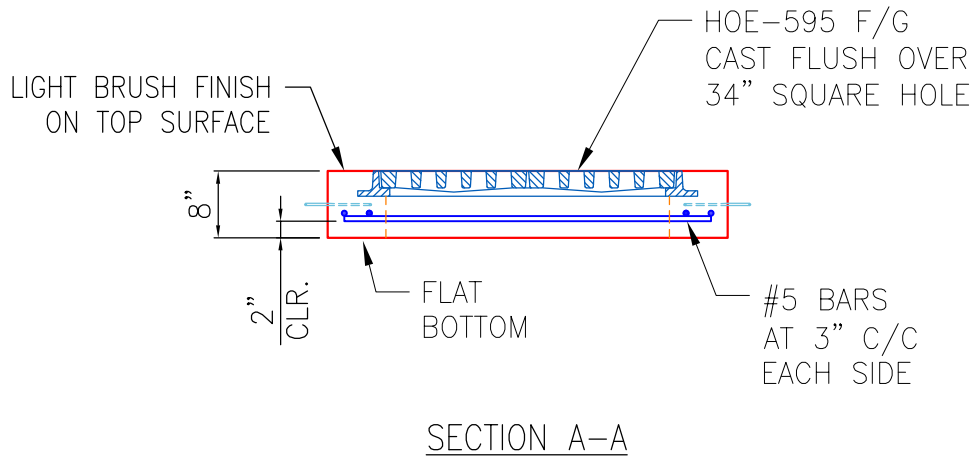
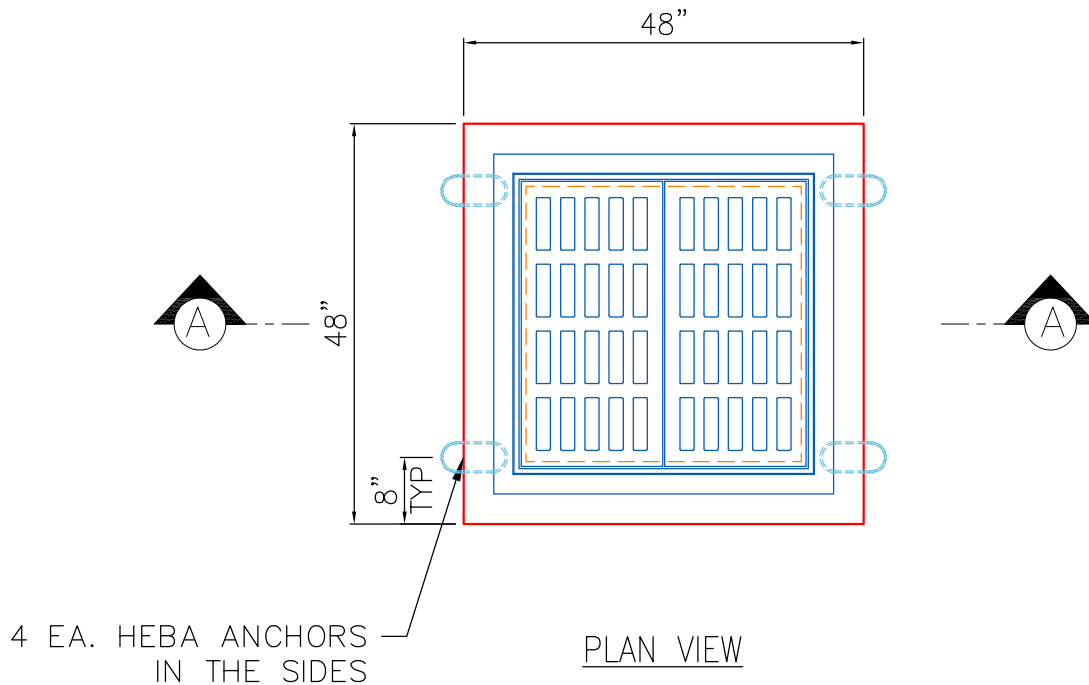
Perryville & Junction City WW
Improvements

Structure:

61038 (6)

Note:

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



GENERAL NOTES:

1. PER ASTM C913 SPECIFICATIONS
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
#5 BARS AT 3" C.C.E.W.

#5 BAR CUT LIST
8 EA. @ 44" LONG

PRODUCTION WORK ORDER

PRODUCT I.D.:
CTS

DESCRIPTION: CUSTOM TOP SLAB
48"x48"x8"H 6"W w HOE-595



- QUALITY CONTROL CHECKLIST
- ☐ ALL DIMENSIONS CORRECT.
 - ☐ LIFTERS INSTALLED.
 - ☐ NO STEPS.
 - ☐ REINFORCING CORRECT.
 - ☐ SURFACE QUALITY ACCEPTABLE.
 - ☐ EDGES CHAMFERED.
 - ☐ ALL PATCHWORK ACCEPTABLE.

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 1,182 LBS.

TOP SECTION JOINT: FLAT

BASE SECTION JOINT: FLAT

QC CHECK INITIALS:

CUSTOMER: BARTON MALOW COMPANY

PROJECT: FORD LAP

STRUCTURE: 48x48 TOP SLAB w HOE-595

ORDER NO: 26-1487

CHECK: B. SMITH

DRAWING: J. HORSLEY

DATE: 07/08/26

SCALE: NTS

PG. 1 of 1

Job Name: 26-3001 - Gunnison Way Grease Traps
Job Location: Bowling Green, KY 42103
Contractor: Bowling Green Winsupply

Plant: Beaver Dam, KY

Tech: K. Cardwell

7/9/2026 9:44:30 AM

PC: T. Lewis



Structure ID: GT 2

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

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

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

22918 lb

Structure Total:

Structure Notes:

1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. NO FLOW CHANNEL
5. 2 EA. 7" CASTINGS SUPPLIED BY OTHERS
6. LIFTERS: 4 EA. 5CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN

FIRST POUR (BASE): 16,155 LBS

SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.75'

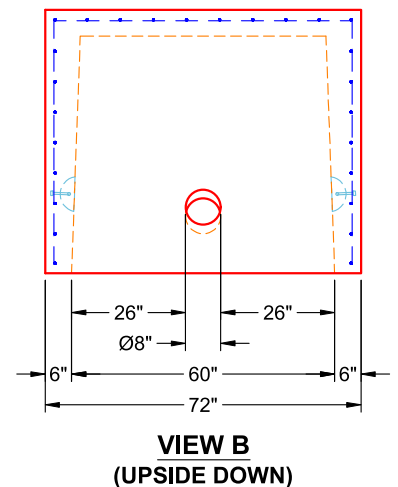
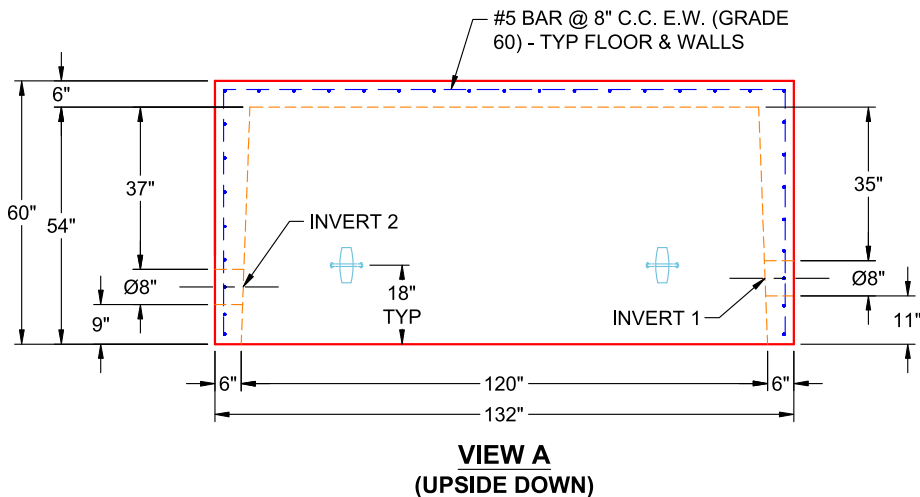
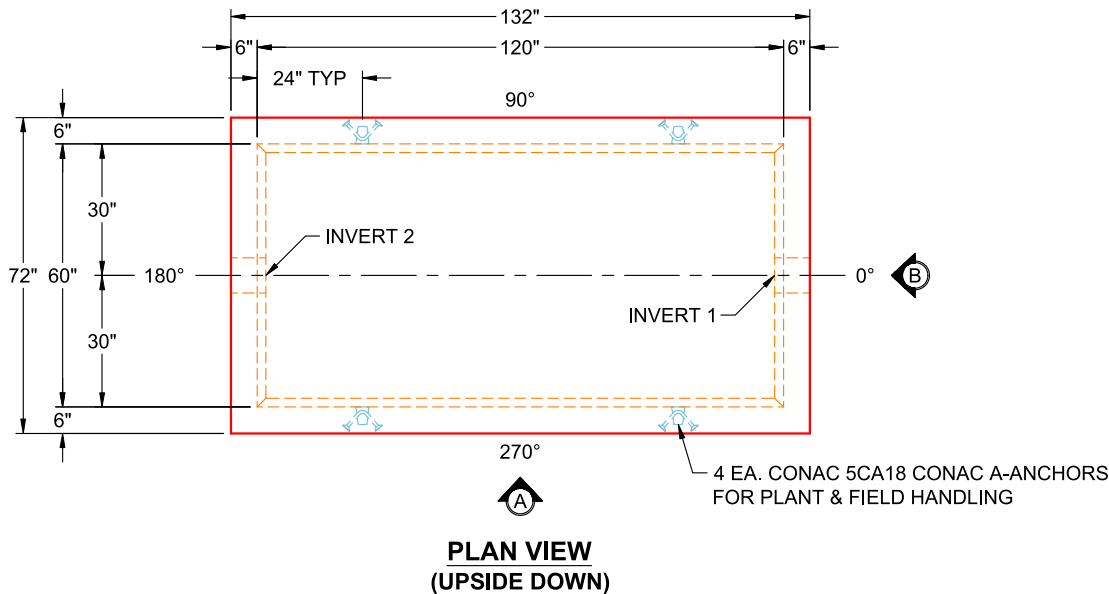
Rim to Invert: 2.667'

Slack: 0"

Sump: 37"

Step Position:

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



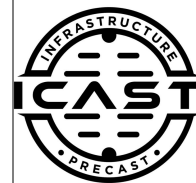
Job Name: 26-3001 - Gunnison Way Grease Traps
Job Location: Bowling Green, KY 42103
Contractor: Bowling Green Winsupply

Plant: Beaver Dam, KY

Tech: K. Cardwell

7/9/2026 9:44:30 AM

PC: T. Lewis



Structure ID: GT 2

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

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

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

22918 lb

Structure Total:

Structure Notes:

1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. DRILL & DOWEL #4 BAR @ 12" C.C. E.W. (GRADE 60) INTO BASE FLOOR FOR BAFFLE WALL TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR
5. PRIOR TO BAFFLE WALL POUR, ADD STRIP OF CS-231 BETWEEN BAFFLE WALL & TANK WALLS (BOTH SIDES)

FIRST POUR (BASE): 16,155 LBS

SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.75'

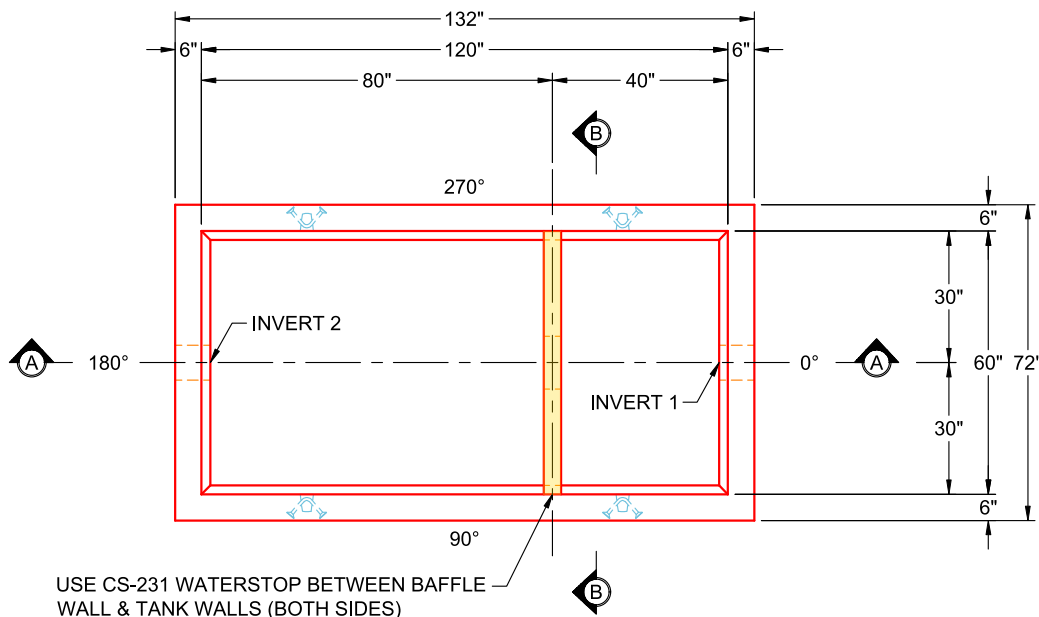
Rim to Invert: 2.667'

Slack: 0"

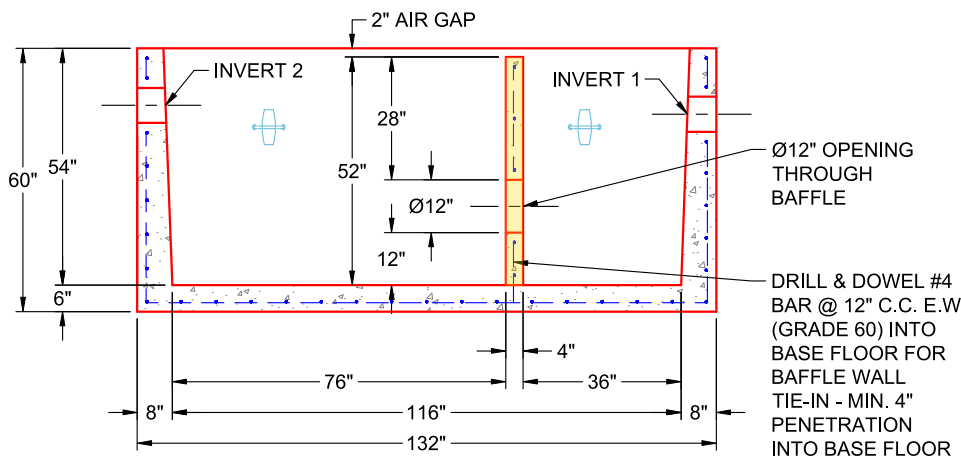
Sump: 37"

Step Position:

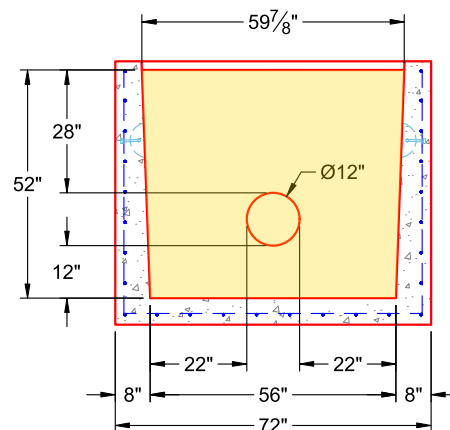
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



**PLAN VIEW
(RIGHT SIDE UP)**



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



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

Job Name: 25-4444 - Downtown WWTP Wet Weather Screening
Job Location: Jeffersonville, IN
Contractor: Ottenweller Contracting, LLC.

Plant: 100

7/8/2026 4:36:06 PM

Tech: Jared - F

PC: T. Lewis



Structure ID: 54444 (2)

P3 BX120120-08LD08SP

BX FLAT LID 8inW w/72"x84" HATCH F/F

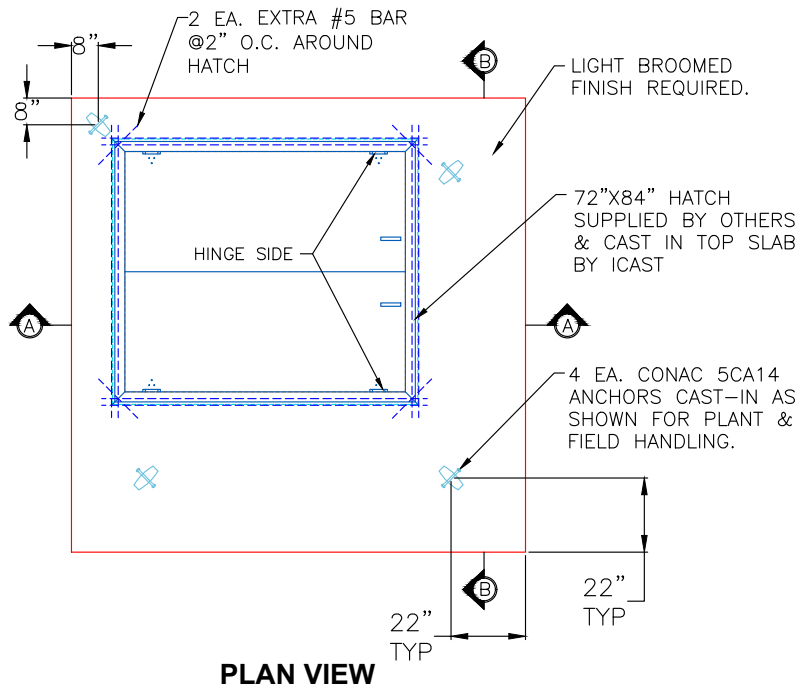
P4) 72" x 84" - HATCH (CAST FLUSH) - 3"
P3) 120" x 120" - BX FLAT LID 8inW w/72"x84" HATCH F/F - 8"
P2) 120" x 120" - BOX RISER 8inW, Variable Ht F/G - 69"
P1) 120" x 120" - BX BASE w/FLANGE 08W/10F/09EF T/n - 82"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) Conseal CS-102 1.00" (Double)
2) Kor-N-Seal2 - S206-42

100 lb
8356 lb
23716 lb
46224 lb
0 lb
0 lb
0 lb
0 lb
13 lb

Structure Total: 78409 lb

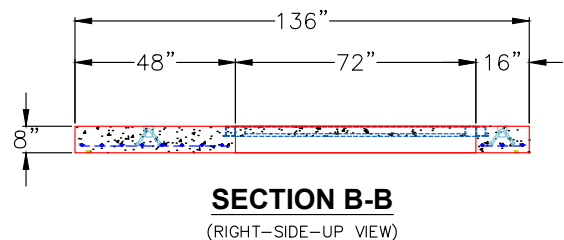
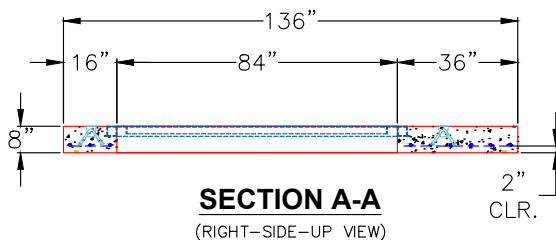
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 5,000 PSI AT 28 DAYS.
 3. 72" x 84" HATCH SUPPLIED BY OTHERS.
- REINFORCING PER ATTACHED DRAWINGS & CAL'S.



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING PER ATTACHED DRAWINGS & CAL'S.
4. HATCH: 72"X 84" HATCH SUPPLIED BY OTHERS & CAST IN TOP SLAB BY ICAST
5. HATCH TO BE CAST INTO TOP OF LID.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

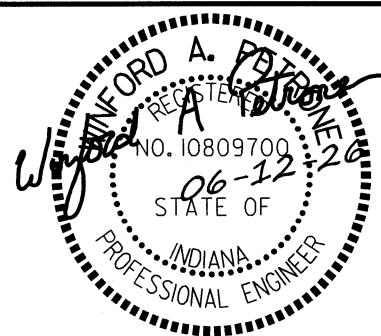
Wall Thickness: 8"

Height (Ext): 8"

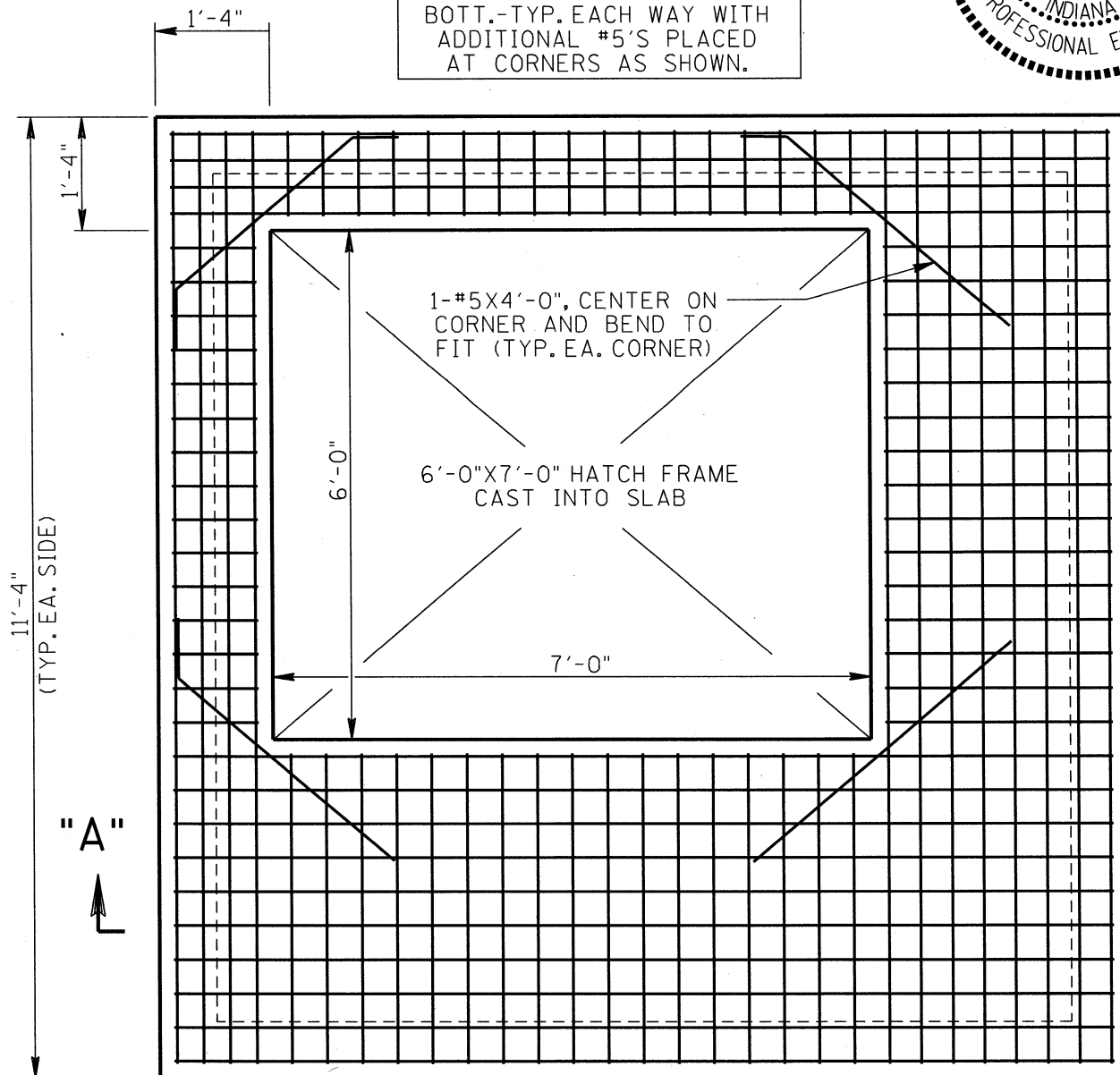
Weight (Net): 8356 lb
Volume (Net): 2.13cu.yd

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

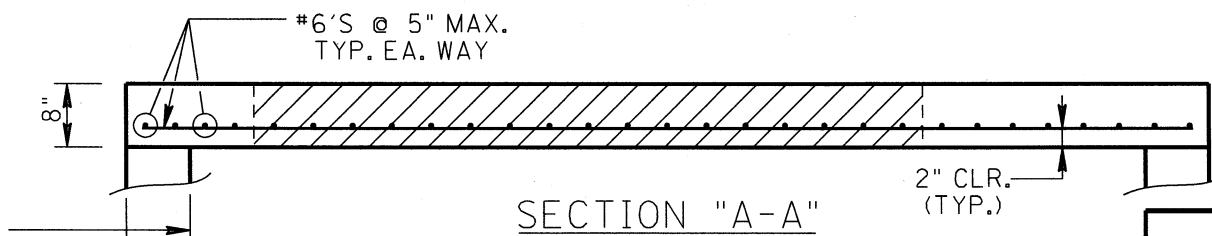
NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.



NOTE: PROVIDE #6'S @ 5" MAX. BOTT.-TYP. EACH WAY WITH ADDITIONAL #5'S PLACED AT CORNERS AS SHOWN.



PLAN



SK-1

120"X120" PLUG VALVE VAULT: TOP SLAB PLAN
DOWNTOWN WWTP WET WEATHER SCREENING, CITY OF JEFFERSON, INDIANA

Job Name: 25-2284C Parks at Cane Ridge Ph.2B

Job Location: Antioch, TN

Contractor: Josh King Excavating

Plant: Beaver Dam

6/22/2026 8:23:35 AM

Tech: S. Felletter

PC: A. Chambers

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: D2

P1 BX2896-06RVF

BOX RISER 6inW, Variable Ht F/F

P1) 28" x 96" - BOX RISER 6inW, Variable Ht F/F - 38"

4) LINTEL BAR SLOT n/n - 7"x1"

5190 lb

0 lb

Structure Total: 5190 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

REINFORCING PER ASTM A615 (GRADE 60).

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

Rim: 3.167'

Rim to Invert: 0.083'

Slack: 0"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	90°	70.75"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	37"	16.75"
Invert 2	3.083'	90°	37.25"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	37"	-16.75"
Invert 3	3.083'	270°	70.75"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	37"	16.75"
Invert 4	3.083'	270°	37.25"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	37"	-16.75"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 1

Degree: 90°

Horz: 64.75"

Hole: 7" x 1"

Up(): 37"

Invert: 2

Degree: 90°

Horz: 31.25"

Hole: 7" x 1"

Up(): 37"

Invert: 3

Degree: 270°

Horz: 64.75"

Hole: 7" x 1"

Up(): 37"

Invert: 4

Degree: 270°

Horz: 31.25"

Hole: 7" x 1"

Up(): 37"

28"

96"

+ 0°

(P1) <<

INSIDE WALL DIMENSIONS

Front

31.25"

Right

64.75"

Back (28")

31.25"

Left

64.75"

37"

37"

37"

37"

EXT

38"

(P1)

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Flat

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 38"

Height (Ext): 38"

Weight (Net): 5190 lb

Volume (Net): 1.33cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)

Job Location: Indiana, KY

Contractor: Louisville Paving and Construction

Plant: 100

6/12/2026 3:10:12 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 145

P1 BX2424-08BAVF

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

P3) 19.5" - CASTING (cast in) - 2.75"

P2) 24" x 24" - CB FLAT TOP 8"W (HOE KY-215 F&G) F/F - 8"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 37"

1) This Structure Includes a Cast-in Item - HOE KY-215 Frame (Supplied By Others)

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

2) Hole - 20

0 lb

943 lb

3832 lb

0 lb

0 lb

0 lb

Structure Total: 4775 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI TYPE 15 / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

4. HOE KY-215 FRAME & BEEHIVE GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID

Rim: 552.7' Rim to Invert: 3.75' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	548.95'	90°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-2.5"	0"
Invert 2	548.95'	270°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-2.5"	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. dimenions)

INSIDE WALL DIMENSIONS

2

-2.5"

12"

Left

Back (24")

Right (24")

Front

1

-2.5"

12"

Left

Back (24")

Right (24")

Front

8"

37"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 37"

Height (Ext): 45"

Weight (Net): 3832 lb

Volume (Net): 0.98cu.yd

Job Name: 26-2030 - KYTC McCracken Co. Call 111 (ID 264505)
Job Location: Paducah, KY
Contractor: Jim Smith Contracting Co, LLC

Plant: 100

6/12/2026 7:53:30 AM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: 151+99 S-7 ST-JB

P2 BX048084-08LD08S

BX FLAT LID 8inW SOLID F/F

- P2) 48" x 84" - BX FLAT LID 8inW SOLID F/F - 8"
P1) 48" x 84" - BOX RISER 8inW, Variable Ht FTB F/F - 94"
1) CASTING - HOE KY-345 SET (CBI B)
1) 48" x 84" - Conseal CS-102 1.00"
2) DOGHOUSE - 70"x70"
1) Hole - 22
1) Hole - 26

4296 lb
12382 lb
290 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 16968 lb

Structure Notes:

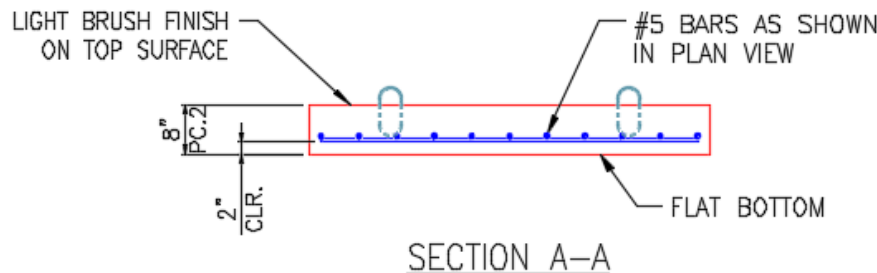
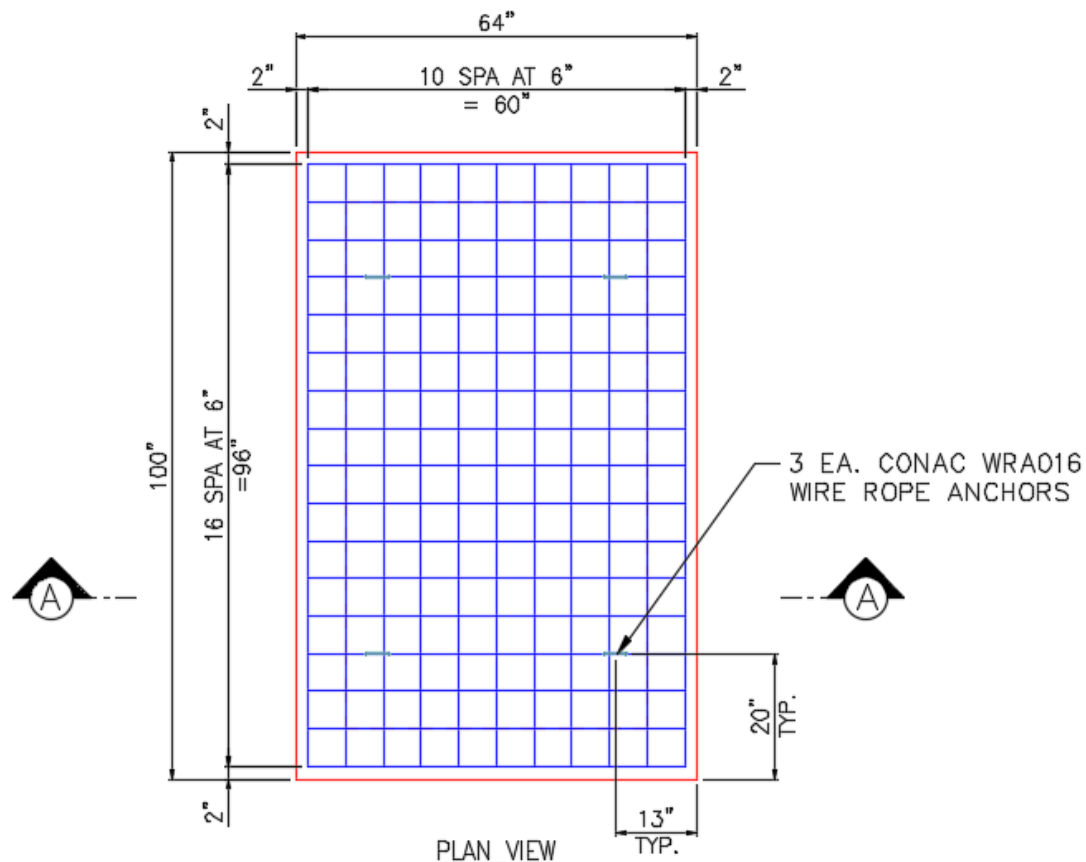
- ** KYTC STATE PROJECT **
1. KYTC JUNCTION BOX / PER ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. SOLID TOP SLAB - NO CASTING.

REINFORCING PER ASTM A615 (GRADE 60).

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

ADDITIONAL COMMENTS:

1. CONTRACTOR TO FIELD CORE HOLE FOR 4" PERF PIPE.
2. LEAVE 1 HORIZONTAL BAR ACROSS THE BOTTOM & STYROFOAM IN THE DOGHOUSE CUTS FOR SHIPPING & HANDLING.



#5 BAR CUT LIST
11 EA. @ 96"
17 EA. @ 60"

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 4296 lb
Volume (Net): 1.1cu.yd

Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1
Job Location: Nashville, TN 37208
Contractor: Hayes Pipe Supply

Plant: 100

6/15/2026 10:58:51 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: A1 ST-DCI

P1 BX2864-06BA36

BOX BASE 6inW, 6inF F/n

- P2) 28" x 64" - CASTING HEIGHT - 7.50"
P1) 28" x 64" - BOX BASE 6inW, 6inF F/n - 36"
1) 28" x 64" - Conseal CS-102 1.00"
2) Hole - 40 x 28
2) LINTEL BAR SLOT n/n - 7"x1"

Structure Total: 4224 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS (JBS 3300 F/G/H - DOUBLE CURB INLET).

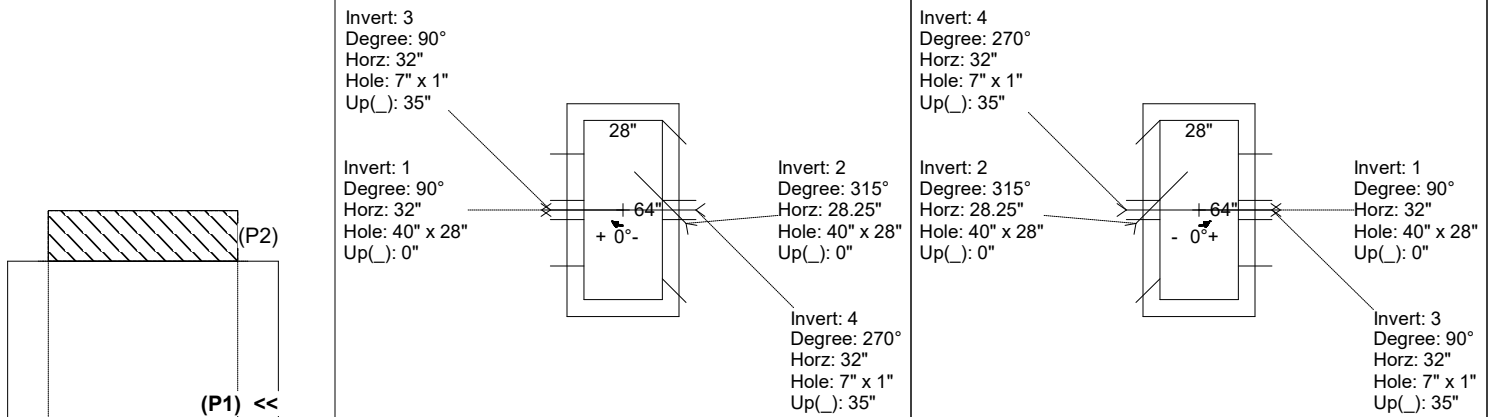
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 421.44' Rim to Invert: 3.39' Slack: 0.804' Sump: 3.624' Step Position:

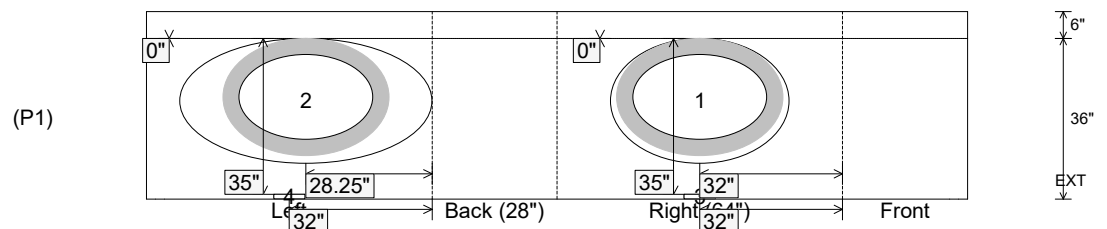
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	418.05'	90°	38"	30" x 19" ELL RCP	37.25" x 26.25"	Hole 40 x 28	40" x 28"	40"	0"	0"
Invert 2	418.05'	315°	40.25"	30" x 19" ELL RCP	37.25" x 26.25"	Hole 40 x 28	40" x 28"	56.569"	0"	-12.523"
Invert 3	420.66'	90°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	35"	0"
Invert 4	420.66'	270°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	35"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



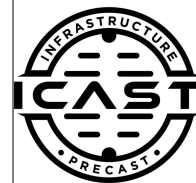
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 36"
Height (Ext): 42"

Weight (Net): 4224 lb
Volume (Net): 1.08cu.yd



Weight (Net): 29399 lb
Volume (Net): 7.51cu.yd

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2
Job Location: London, KY
Contractor: Endesol, Inc.

Plant: Beaver Dam

6/4/2026 10:57:13 AM

Tech: S. Felletter

PC: E. Bradley



Structure ID: Lift Station

P3 CTRS-X

Combined Lift Station Walls/Floor w/XYPEX

- P5) 36" x 36" - CASTING HEIGHT - 0"
P4) 72" - Combined Lift Station Top Slab Custom w/Xypex - 12"
P3) 72" - Combined Lift Station Walls/Floor w/XYPEX - 71"
P2) 72" - MH RISER w/XYPEX - 48.625"
P1) 72" - MH BASE SQ EF Cust. Ht. 12'F (EF =102"SQ) w/ XYPEX - 72"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) This Structure Includes a Cast-in Item
1) SECONDARY POUR - EXT. SLAB
1) SECONDARY POUR - WALLS FOR VAULT SECT.
1) SECONDARY POUR - VAULT EXTENSION
1) ASSEMBLY REQUIRED
1) HATCH (Alum.) - HALLIDAY W1R 34"x52"
1) HATCH (Alum.) - HALLIDAY W1R 36"x36"
1) 72" - DBL 1"x14.5' Butyl (2x)
1) 72" - Conseal CS-231 1.00" (Double)
1) 36" x 36" - Conseal CS-231 1.00" (Double)
1) Hole - 8
1) PSX - 12-08 NYLO

346.82 SqFt) Carboline Bitumastic 300M [INT]

488.26 SqFt) Carboline Bitumastic 300M [EXT]

0 lb
8108 lb
29429 lb
6931 lb
20973 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
46 lb
46 lb
0 lb
0 lb
0 lb
0 lb
8 lb
0 lb
0 lb

Structure Notes:

- PER ASTM C478 SPECIFICATIONS.
 - CONCRETE = 4,000 PSI AT 28 DAYS.
 - REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.
- CONCRETE MIX DESIGN:
5,000 PSI @ 28 DAYS
XYPEX RED ADMIXTURE
- CARBOLINE 300M COATING, TWO COATS:
ALL INTERIOR WALLS
BOTTOM OF TOP SLAB IN WET WELL AREA
BOTTOM OF COMBO SECTION IN WET WELL AREA

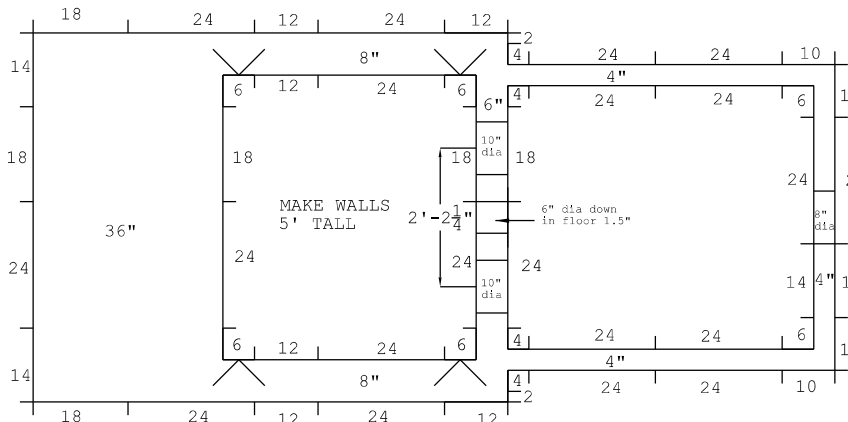
Second Pour Drawing

Structure Total: 65511 lb

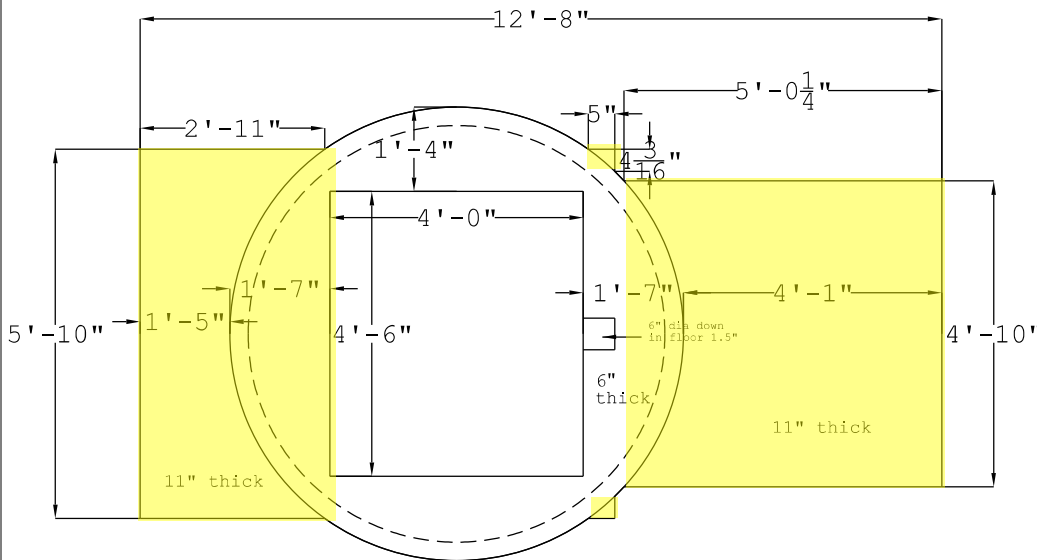
1ST pour use the 6' dia. jacket, make middle area 6" thick (rather than 12") and wet stick verticals and countersink 6" hole x 15" down

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

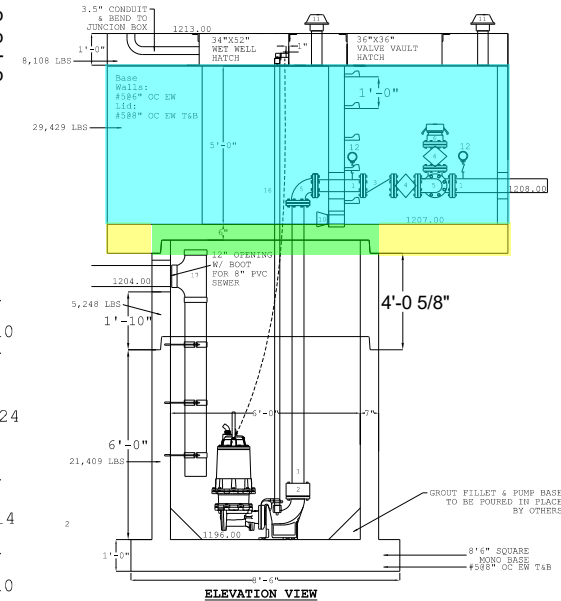
3rd pour is the 5' tall walls with holes



Walls/Forms



Base Slab



ELEVATION VIEW

Its 14" from the floor to the centerline of both the 8" opening as well as the 10" openings

Base
Walls:
#5@6" OC EW
Lid:
#5@8" OC EW T&B

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

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 7"

Height (Ext): 71"

Weight (Net): 29399 lb
Volume (Net): 7.51cu.yd

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2
Job Location: London, KY
Contractor: Endesol, Inc.

Plant: Beaver Dam

6/4/2026 10:57:13 AM

Tech: S. Felletter

PC: E. Bradley



Structure ID: Lift Station

P3 CTRS-X

Combined Lift Station Walls/Floor w/XYPEX

- P5) 36" x 36" - CASTING HEIGHT - 0"
P4) 72" - Combined Lift Station Top Slab Custom w/Xypex - 12"
P3) 72" - Combined Lift Station Walls/Floor w/XYPEX - 71"
P2) 72" - MH RISER w/XYPEX - 48.625"
P1) 72" - MH BASE SQ EF Cust. Ht. 12'F (EF =102"SQ) w/ XYPEX - 72"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) This Structure Includes a Cast-in Item
1) SECONDARY POUR - EXT. SLAB
1) SECONDARY POUR - WALLS FOR VAULT SECT.
1) SECONDARY POUR - VAULT EXTENSION
1) ASSEMBLY REQUIRED
1) HATCH (Alum.) - HALLIDAY W1R 34"x52"
1) HATCH (Alum.) - HALLIDAY W1R 36"x36"
1) 72" - DBL 1"x14.5' Butyl (2x)
1) 72" - Conseal CS-231 1.00" (Double)
1) 36" x 36" - Conseal CS-231 1.00" (Double)
1) Hole - 8
1) PSX - 12-08 NYLO

346.82 SqFt) Carboline Bitumastic 300M [INT]

488.26 SqFt) Carboline Bitumastic 300M [EXT]

0 lb
8108 lb
29429 lb
6931 lb
20973 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
46 lb
46 lb
0 lb
0 lb
0 lb
0 lb
8 lb
0 lb
0 lb

Structure Notes:

- PER ASTM C478 SPECIFICATIONS.
 - CONCRETE = 4,000 PSI AT 28 DAYS.
 - REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.
- CONCRETE MIX DESIGN:
5,000 PSI @ 28 DAYS
XYPEX RED ADMIXTURE
- CARBOLINE 300M COATING, TWO COATS:
ALL INTERIOR WALLS
BOTTOM OF TOP SLAB IN WET WELL AREA
BOTTOM OF COMBO SECTION IN WET WELL AREA

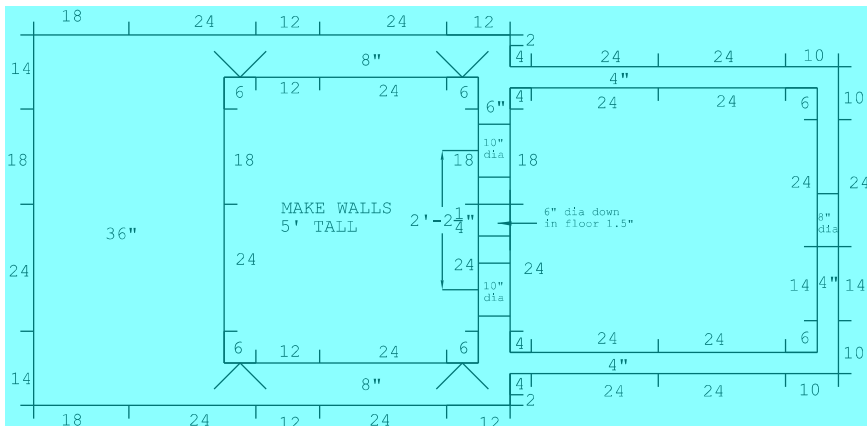
Third Pour Drawing

Structure Total: 65511 lb

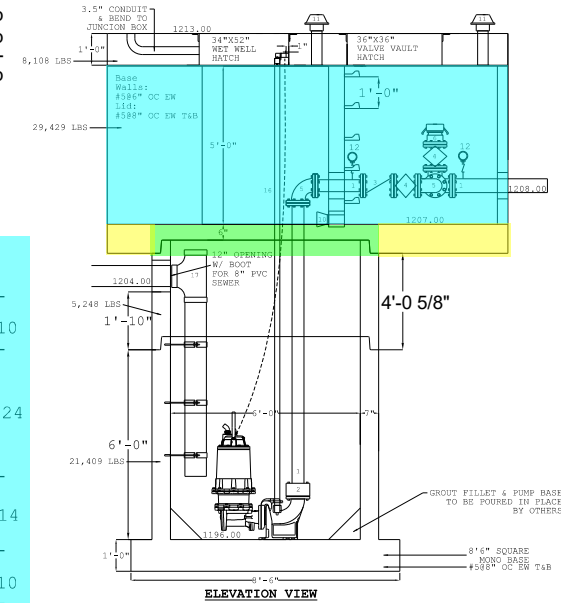
1ST pour use the 6' dia. jacket, make middle area 6" thick (rather than 12") and wet stick verticals and countersink 6" hole x 1.5" down

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

3rd pour is the 5' tall walls with holes

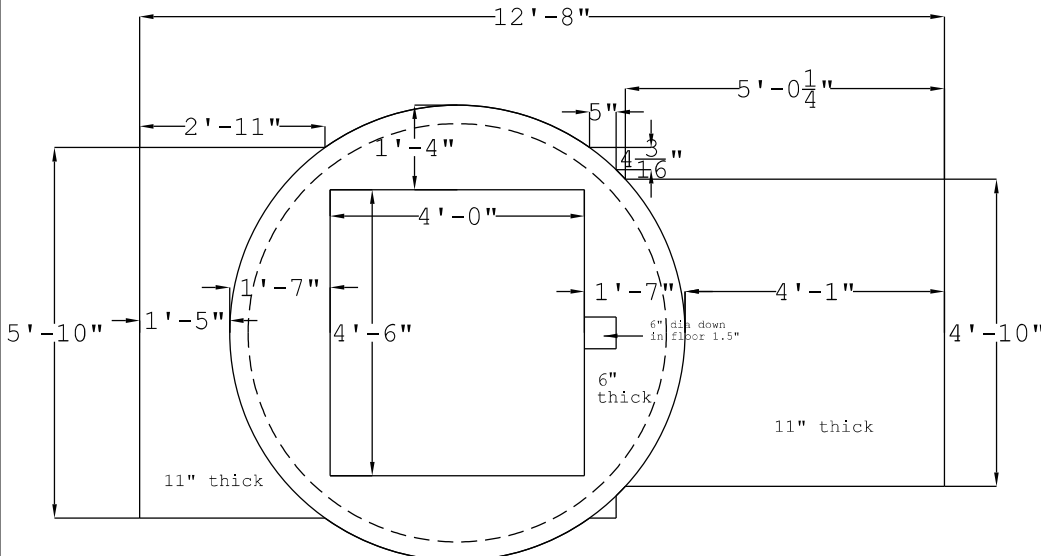


Walls/Forms



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Base Slab

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