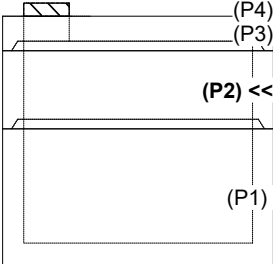
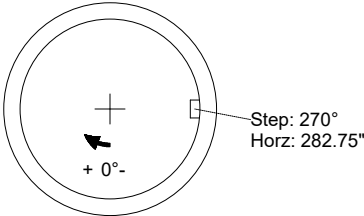
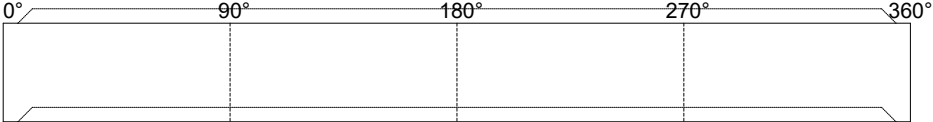


Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC					Plant: 100 5/29/2026 3:22:50 PM		Tech: Jared - F PC: J Jarvis				
Structure ID: MH-PE											
P2 MH120RSVF		MH RISER Custom Ht T/G									
P4) 24" - CASTING HEIGHT - 7" P3) 120" - MH FLAT TOP w/ 24" ECC Hole F/G - 18" P2) 120" - MH RISER Custom Ht T/G - 41" P1) 120" - MH BASE T/n - 60" 1) Chimney Seal - Cretex Chimney Seal 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 2) 120" - Conseal CS-102 1.00" (Double) 3) Kor-N-Seal2 - S206-42 8) MH Step ML-10-TDS-NCR - 10"					0 lb 16678 lb 15575 lb 34832 lb 10 lb 0 lb 0 lb 271 lb 0 lb 20 lb 0 lb ----- 67385 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING SUPPLIED BY I-CAST (HOE MC-375 F/C SANITARY). . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .36) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.				
Rim: 449' Rim to Invert: 10' Slack: 0" Sump: 6" Step Position: 270°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
(P2)										EXT 41"	
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 11" Floor Height: 0"		Height (Int): 41" Height (Ext): 41"		Weight (Net): 15575 lb Volume (Net): 3.98cu.yd		

Job Name: 25-4665 - Buckhorn WTP

Job Location: Hazard, KY

Contractor: Smith Contractors, Inc.

Plant: 100

4/9/2026 3:44:45 PM

Tech: J. Horsley

PC: E. Bradley



Structure ID: 54665 (4)

P6 MH144RSVF

MH RISER Custom Ht T/G

P10) 48" x 36" - HATCH (CAST FLUSH) - 0"

P9) 144" - MH FLAT TOP w/(2) 48"x36" & (1) 30"x30" Hatches F/G - 18"

P8) 144" - MH RISER Custom Ht T/G - 81"

P7) 144" - MH RISER Custom Ht T/G - 81"

P6) 144" - MH RISER Custom Ht T/G - 81"

P5) 144" - MH RISER Custom Ht T/G - 81"

P4) 144" - MH RISER Custom Ht T/G - 74"

P3) 144" - MH RISER Custom Ht T/G - 74"

P2) 144" - MH RISER Custom Ht T/F - 74"

P1) 144" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"

7) JOINT WRAP - 12" WD x 144" MAC WRAP

1) SECONDARY POUR - Intermediate Slab (In Riser P5)

1) This Structure Includes a Cast-in Item - Hatches (Supplied by Others)

4) Stainless Steel Strap - 3"W x 24"L Stainless Steel Strap

8) 144" - Conseal CS-231 1.00" (Double)

1) A-Lok - 0630

0 lb

19644 lb

43581 lb

43581 lb

43581 lb

43581 lb

39815 lb

39815 lb

39815 lb

39445 lb

0 lb

0 lb

13500 lb

0 lb

0 lb

0 lb

0 lb

1 lb

Structure Total: 326544 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,500 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. NO STEPS

5. 2 EA. HALLIDAY W1R 48" X 36" HATCHES & 1 EA. HALLIDAY W1R 30" X 30" HATCH SUPPLIED BY OTHERS - TO BE CAST INTO FLAT LID

6. LADDER SUPPLIED BY OTHERS

7. 4 EA. 3"W X 24"L STAINLESS STEEL STRAPS SUPPLIED BY ICAST

Rim: 755'

Rim to Invert: 46'

Slack: 0"

Sump: 12"

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)

(P10)

(P9)

(P8)

(P7)

(P6) <<

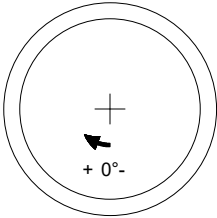
(P5)

(P4)

(P3)

(P2)

(P1)



INSIDE WALL DIMENSIONS

(P6)

0°

90°

180°

270°

360°

81"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 13"

Floor Height: 0"

Height (Int): 81"

Height (Ext): 81"

Weight (Net): 43581 lb

Volume (Net): 11.13cu.yd

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

Plant: Beaver Dam

6/9/2026 10:40:18 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R11

P2 MH048LD12-28SQ

MH FLAT TOP w/28"x28" Hole F/G

- P3) 28" x 28" - CASTING HEIGHT - 5"
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"
P1) 48" - MH BASE T/n - 54"
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT
1) CASTING - JBS 3104-V SINGLE SET
1) 48" - Conseal CS-102 1.00"
1) 28" x 28" - Conseal CS-102 1.00"
2) Hole - 26
4) MH Step ML-10-TDS-NCR - 10"

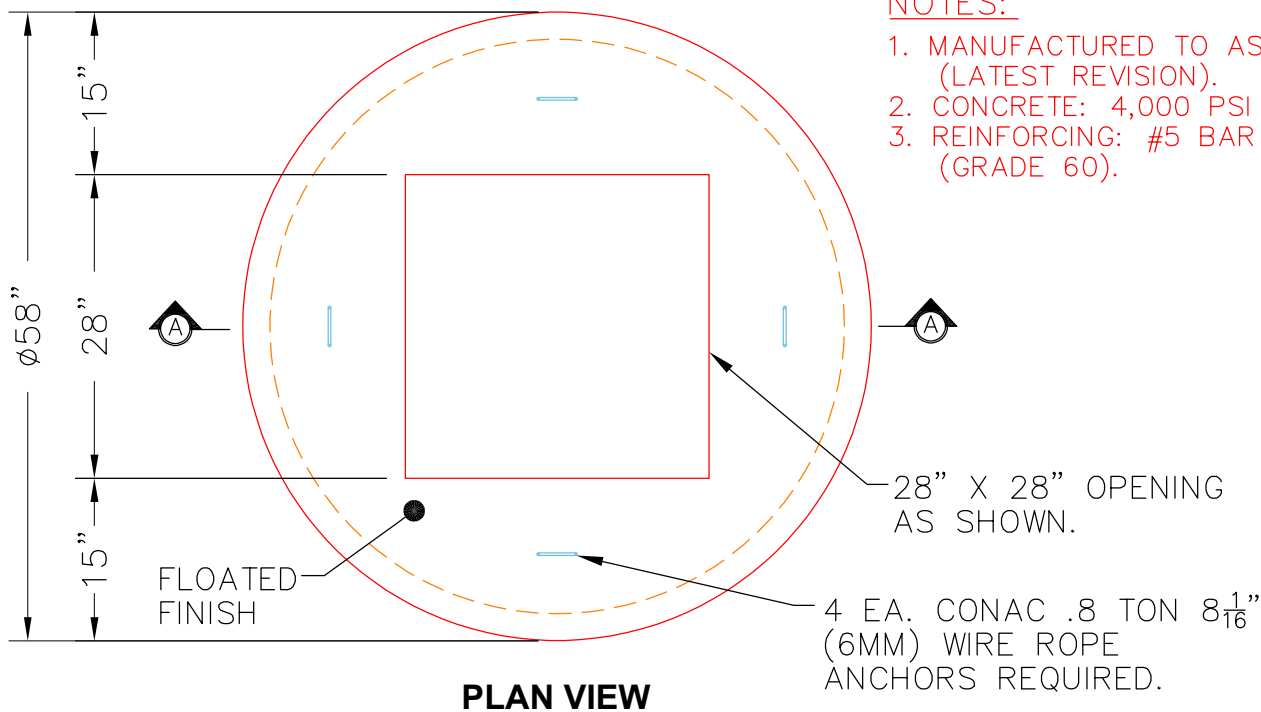
Structure Total:

0 lb
1368 lb
4636 lb
1075 lb
250 lb
0 lb
0 lb
0 lb
0 lb
7329 lb

Structure Notes:

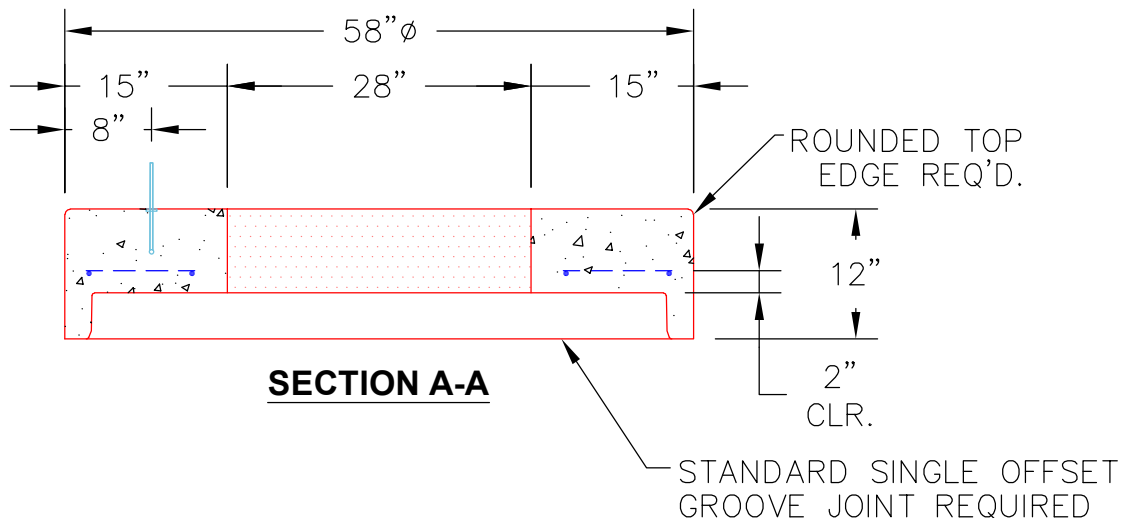
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

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



NOTES:

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



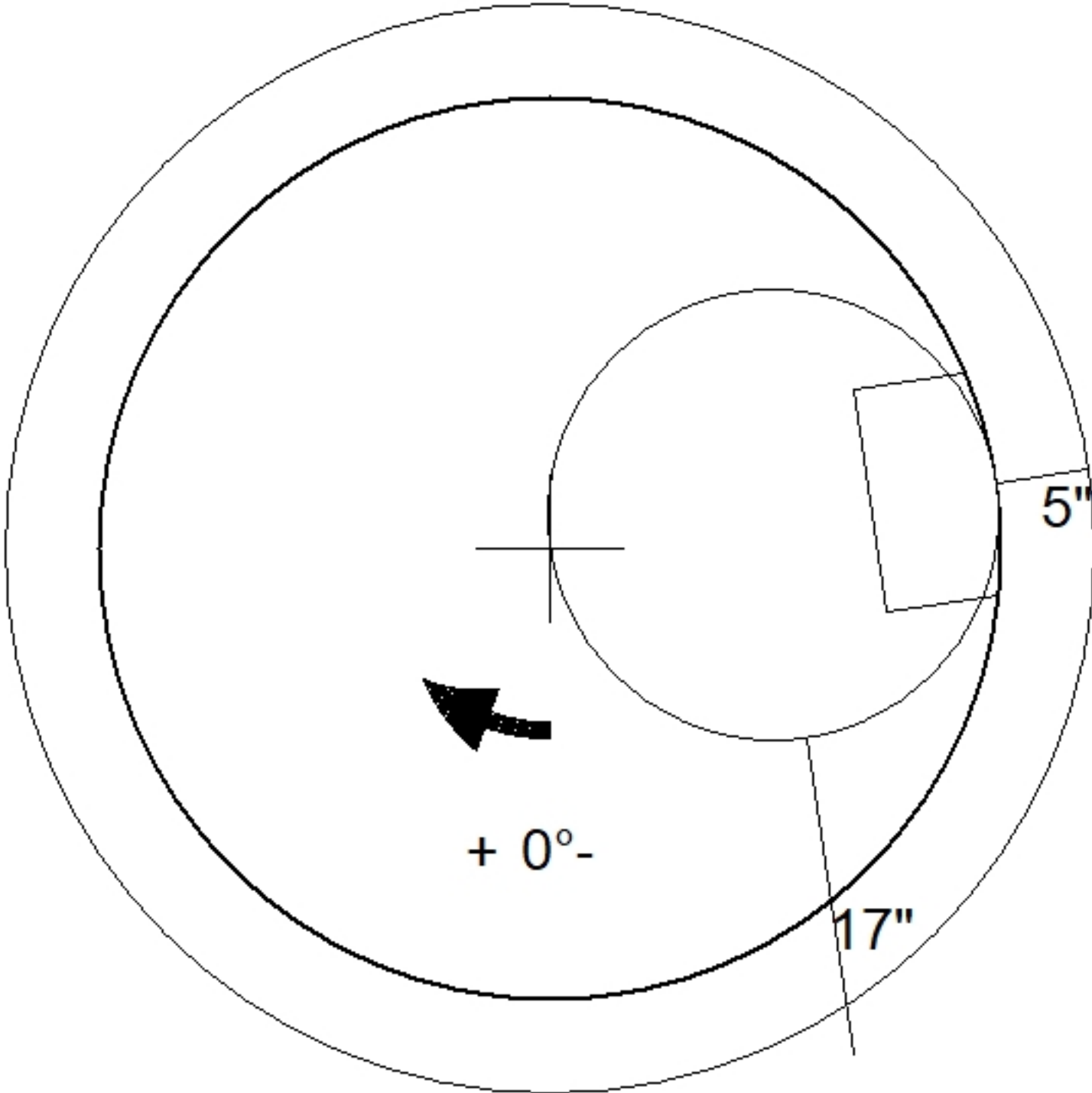
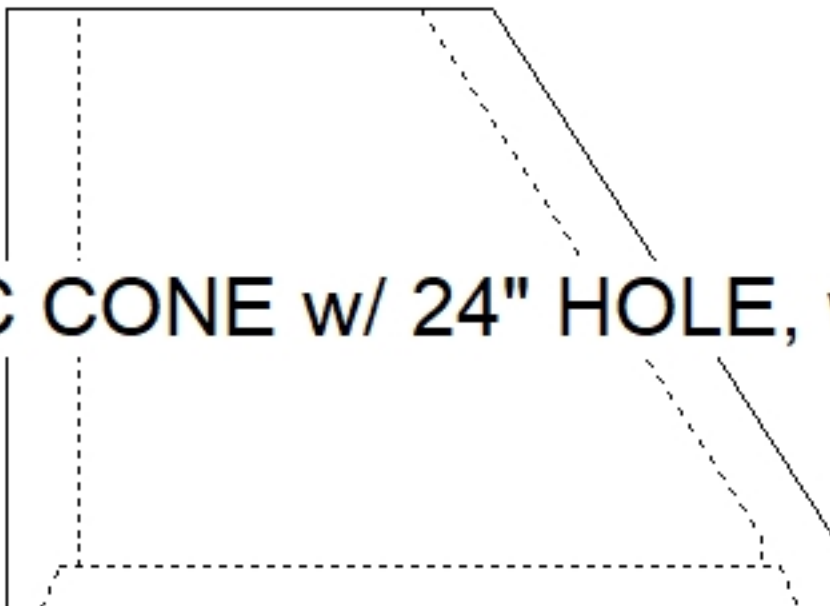
Coating (Int):
Coating (Ext):

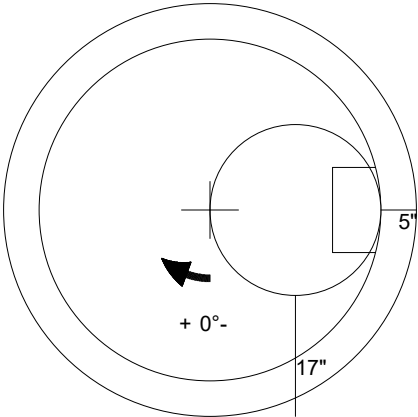
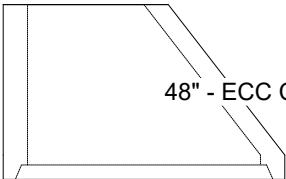
Seam Up: Flat
Seam Dn: Groove

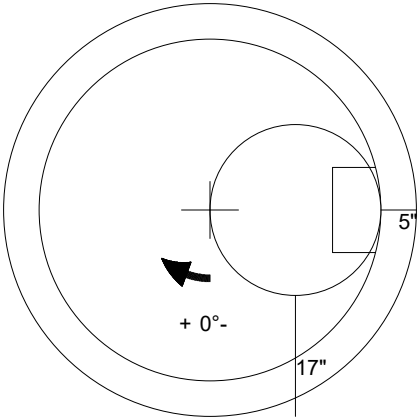
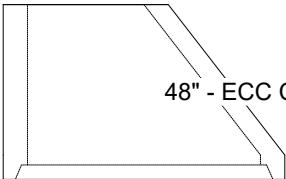
Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1368 lb
Volume (Net): 0.35cu.yd

Job Name: 26-1216 Hayden Rd. Sanitary Job Location: Owensboro, KY Contractor: Winwater Hartford KY Co.		Plant: Beaver Dam 7/7/2026 2:10:39 PM	Tech: S. Felletter PC: A. Chambers	
Structure ID: A3 SS-MH				
P3 MH048CN42CDARED		ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G		
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 4" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) CASTING - HOE MC-315 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 12) MH Step ML-10-TDS-NCR - 10"		0 lb 270 lb 3116 lb 5030 lb 3330 lb 0 lb 0 lb 1440 lb 258 lb 0 lb 0 lb 16 lb 0 lb ----- 13460 lb Structure Total:	Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-315 F/C "SANITARY"). . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" - (P3)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 42"	Weight (Net): 3116 lb Volume (Net): 0.8cu.yd

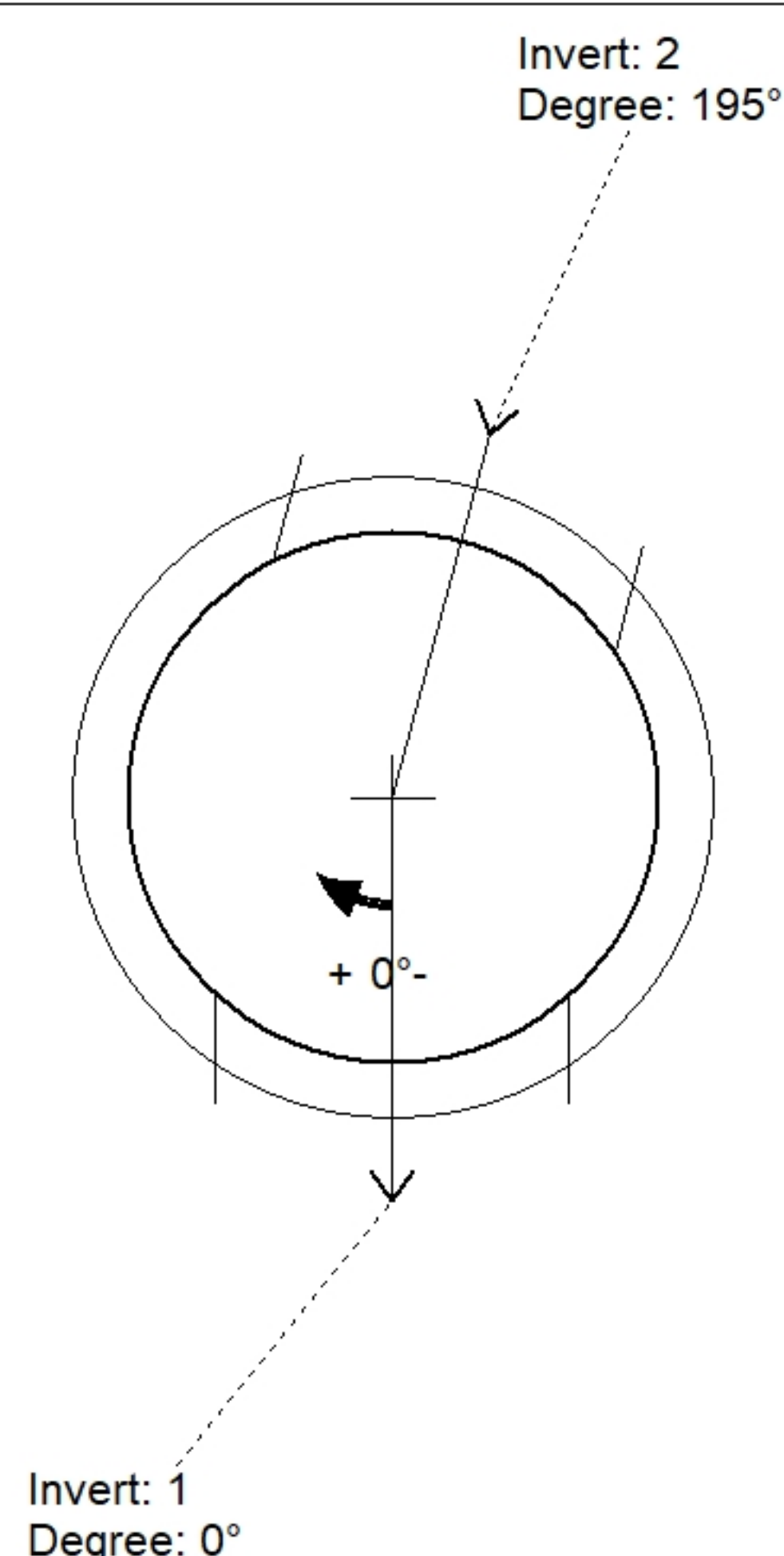
Job Name: 25-4488 - WV DOT Wood Co NHPP-0068(192) Job Location: Parkersburg, WV Contractor: Triton Construction		Plant: 100 3/26/2026 1:44:54 PM		Tech: Jared - F PC: E. Bradley		
Structure ID: MH-01						
P2 MH048CN36		ECC CONE w/ 24" HOLE F/G				
P3) 24" - CASTING HEIGHT - 8.85" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE Custom Ht T/n - 56" 1) CASTING - NEENAH R-1785 (F/C) 1) 48" - Conseal CS-102 1.00" 1) Hole - 24 1) Hole - 26 8) MH Step ML-10-TDS-NCR - 10"		0 lb 3000 lb 4812 lb 294 lb 0 lb 0 lb 0 lb 0 lb ----- 8106 lb Structure Total:		Structure Notes: **WV DOT STATE PROJECT** 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. INVERT CHANNEL (BY OTHERS). 4. CASTING BY I-CAST (NEENAH R-1785 (F/C)). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
						
						
Coating (Int): Coating (Ext):		Seam Up: Flat Seam Dn: Groove		Wall Thickness: 5"		Height (Ext): 36"
						Weight (Net): 3000 lb Volume (Net): 0.5cu.yd

Job Name: 25-4488 - WV DOT Wood Co NHPP-0068(192) Job Location: Parkersburg, WV Contractor: Triton Construction		Plant: 100 3/26/2026 1:44:54 PM		Tech: Jared - F PC: E. Bradley		
Structure ID: MH-02						
P2 MH048CN36		ECC CONE w/ 24" HOLE F/G				
P3) 24" - CASTING HEIGHT - 8.85" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE Custom Ht T/n - 43" 1) CASTING - NEENAH R-1785 (F/C) 1) 48" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 20 7) MH Step ML-10-TDS-NCR - 10"		0 lb 3000 lb 3804 lb 294 lb 0 lb 0 lb 0 lb 0 lb ----- 7098 lb		Structure Notes: **WV DOT STATE PROJECT** 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. INVERT CHANNEL (BY OTHERS). 4. CASTING BY I-CAST (NEENAH R-1785 (F/C)). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
						
						
Coating (Int): Coating (Ext):		Seam Up: Flat Seam Dn: Groove		Wall Thickness: 5"		Height (Ext): 36"
						Weight (Net): 3000 lb Volume (Net): 0.5cu.yd

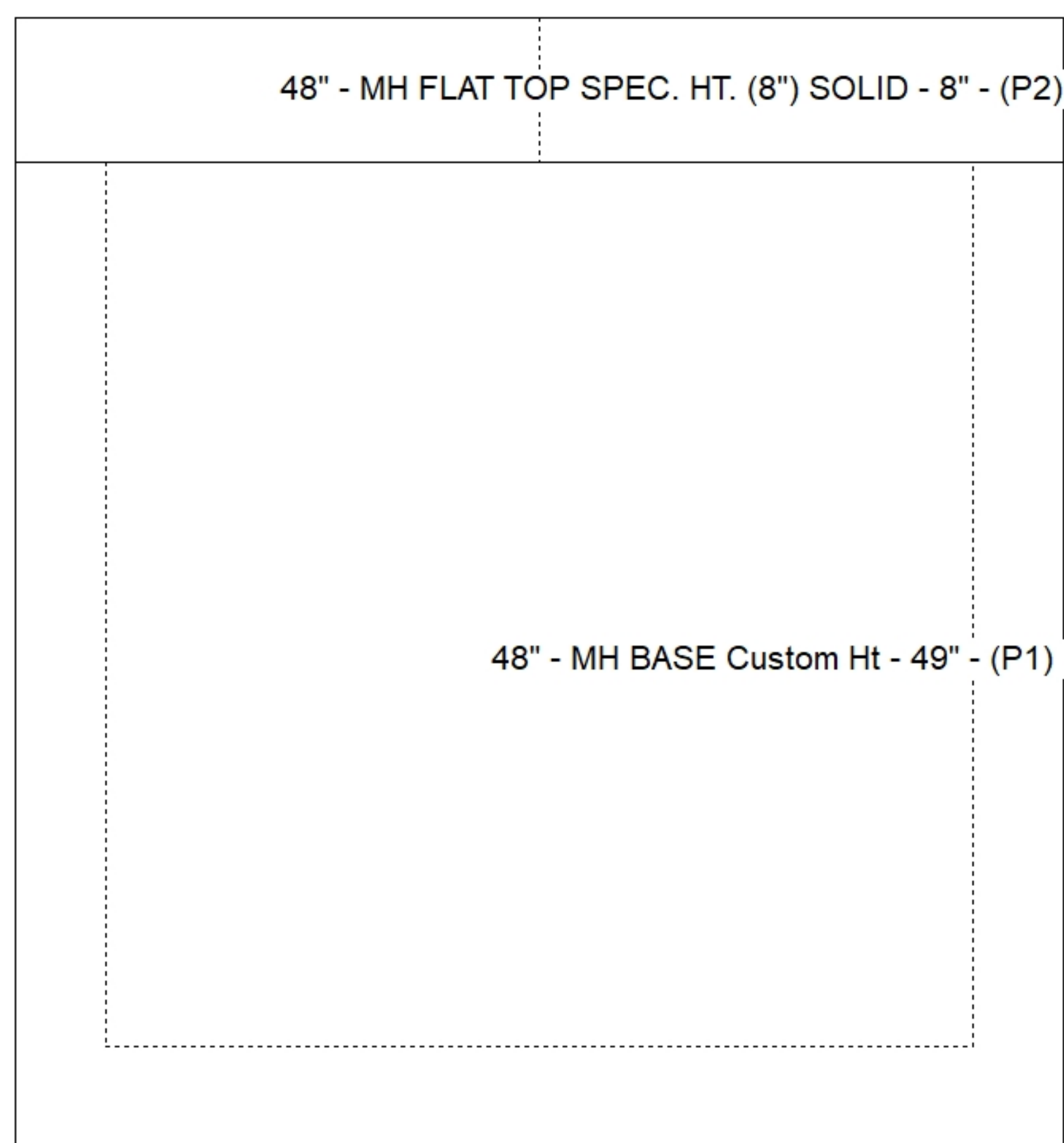


Floor (Bot): 806.5'
Overall Height: 5.25'
Slack: 0.6"

Structure Total: 5240 lb

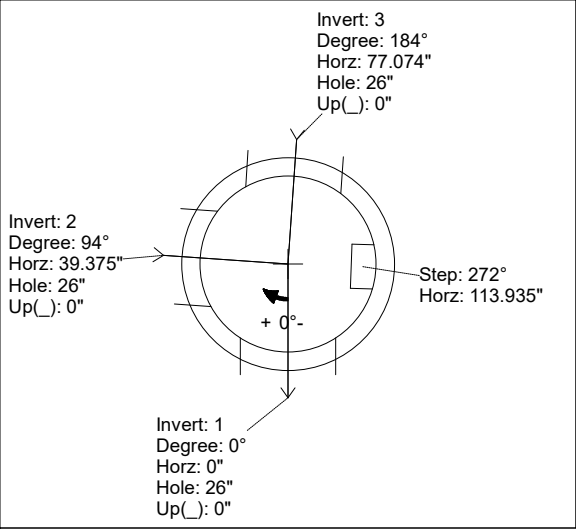


Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (⌵)	Ref
Rim	811.8'							
Reducer								
Invert 1	807.25'	0°	24" RCP B WALL	30"	32"	Hole 32	0"	P1
Invert 2	807.25'	195°	24" RCP B WALL	30"	32"	Hole 32	0"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

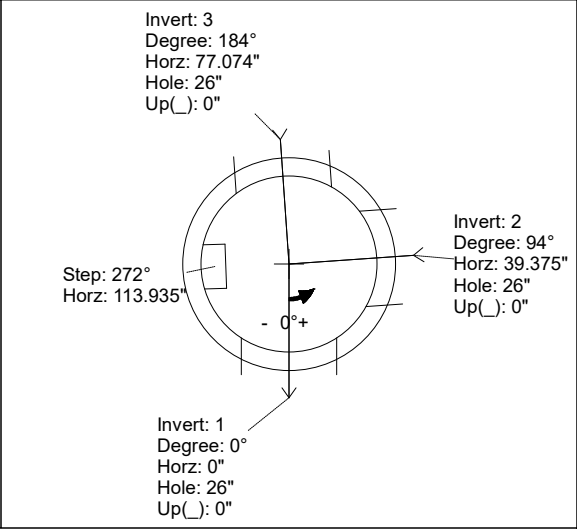


SUBMITTAL
APPROVED BY:

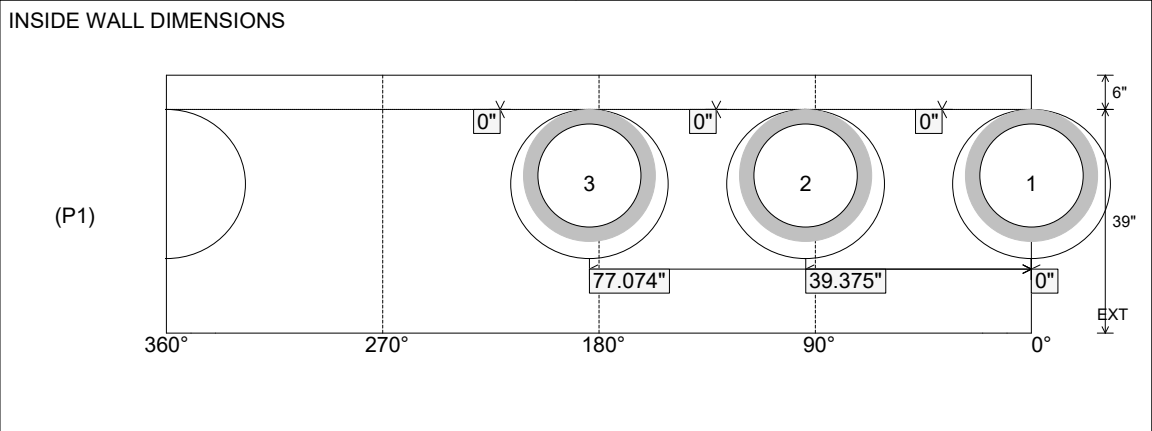
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:20 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R36											
P1		MH048BAVF		MH BASE Custom Ht F/n							
P3) 28" x 28" - CASTING HEIGHT - 5" P2) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7" P1) 48" - MH BASE Custom Ht F/n - 39" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 1) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 3) Hole - 26" 3) MH Step ML-10-TDS-NCR - 10"					0 lb 1091 lb 3355 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 5772 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). 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: 589.09' Rim to Invert: 4.12' Slack: 0.94" Sump: 2.5" Step Position: 272°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	584.97'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	584.97'	94°	47.578"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3	584.97'	184°	93.131"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



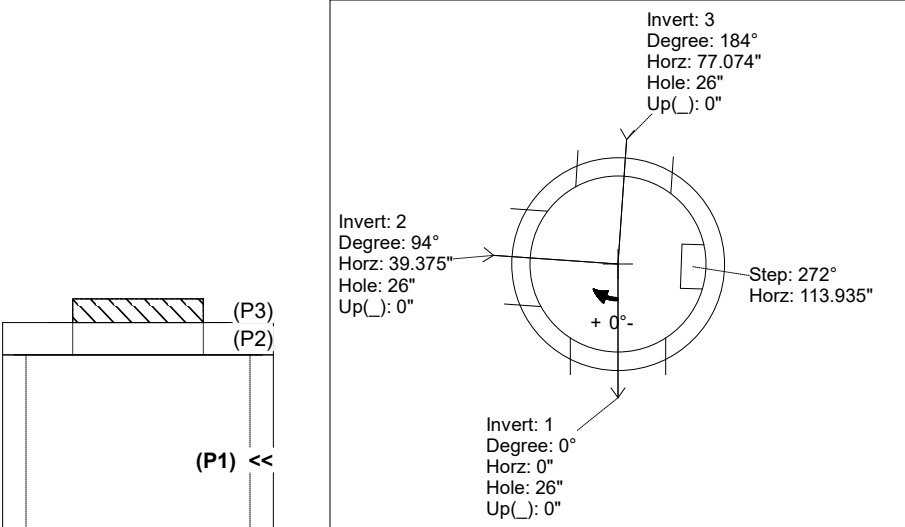
UPSIDE-DOWN VIEW (int. dimensions)

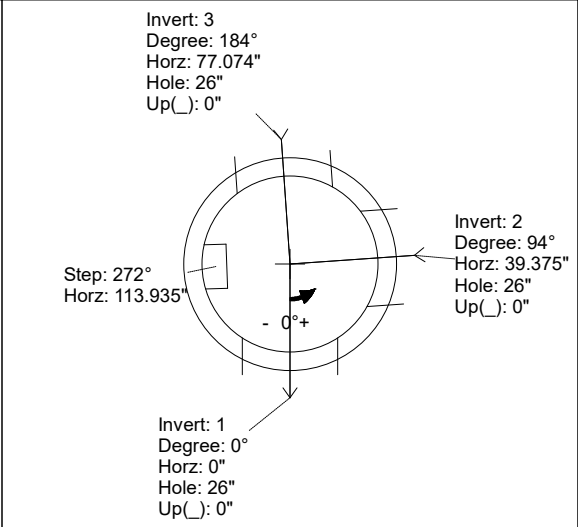


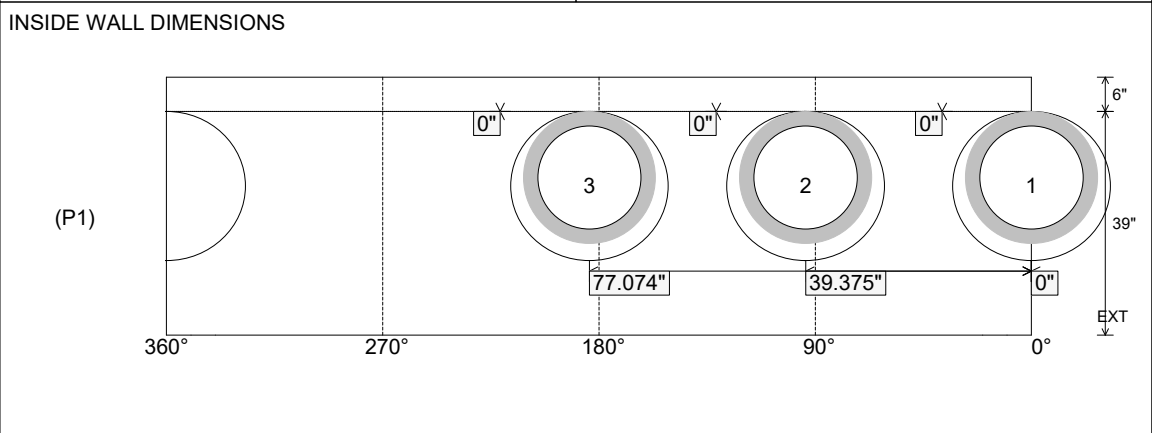
INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 39" Height (Ext): 45"	Weight (Net): 3355 lb Volume (Net): 0.86cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:20 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R36											
P1 MH048BAVF		MH BASE Custom Ht F/n									
P3) 28" x 28" - CASTING HEIGHT - 5" P2) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7" P1) 48" - MH BASE Custom Ht F/n - 39" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 1) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 3) Hole - 26" 3) MH Step ML-10-TDS-NCR - 10"					0 lb 1091 lb 3355 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 5772 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). 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. Invert channel drawing 1/4 Height storm invert				
Rim: 589.09' Rim to Invert: 4.12' Slack: 0.94" Sump: 2.5" Step Position: 272°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	584.97'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	584.97'	94°	47.578"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3	584.97'	184°	93.131"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



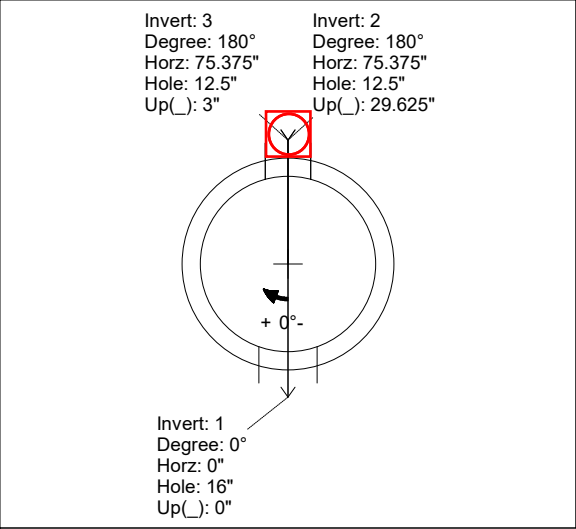




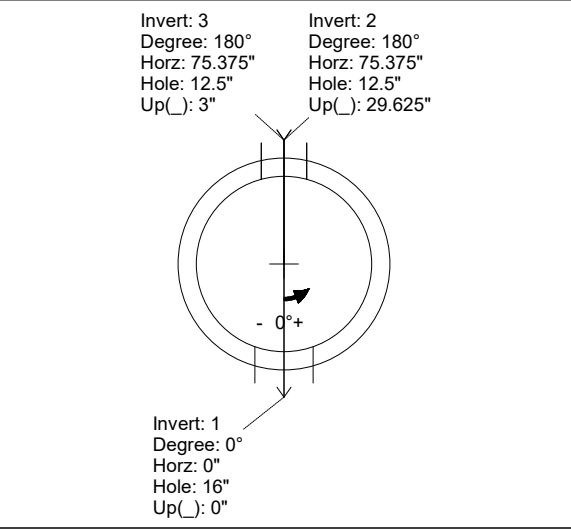
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 39" Height (Ext): 45"	Weight (Net): 3355 lb Volume (Net): 0.86cu.yd
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Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:54:37 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A3 (7)											
P1 MH048BAVF-D				MH BASE Custom Ht T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE Custom Ht T/n - 57" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 16M DD 1) Drop Tee - 12" PVC 1) Drop Elbow - 12" PVC					0 lb 2050 lb 1677 lb 5122 lb 1440 lb 0 lb 0 lb 8 lb 0 lb 0 lb 0 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. EXTERIOR DROP ASSEMBLY PROVIDED BY ICAST. 6. 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: 552.77' Rim to Invert: 9.68' Slack: 0.16" Sump: 2" Step Position:					Structure Total: 10297 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	543.09'	0°	0"	12" PVC SDR35	12.5"	PSX 16M DD	16"	16.312"	0"	0"	
Invert 2	545.41'	180°	91.125"	12" PVC SDR35	12.5"	Drop Tee 12" PVC	12.5"	12.646"	29.625"	0"	
Invert 3	543.19'	180°	91.125"	12" PVC SDR35	12.5"	Drop Elbow 12" PVC	12.5"	12.646"	3"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

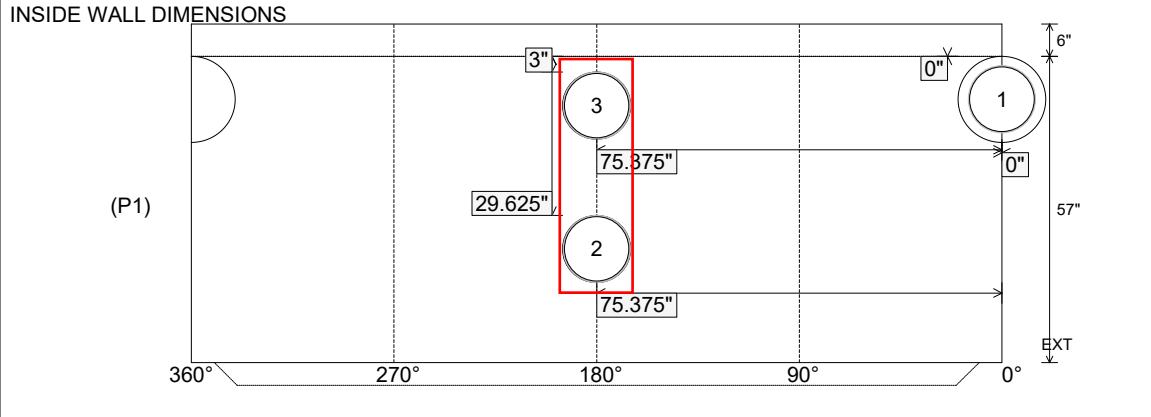
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



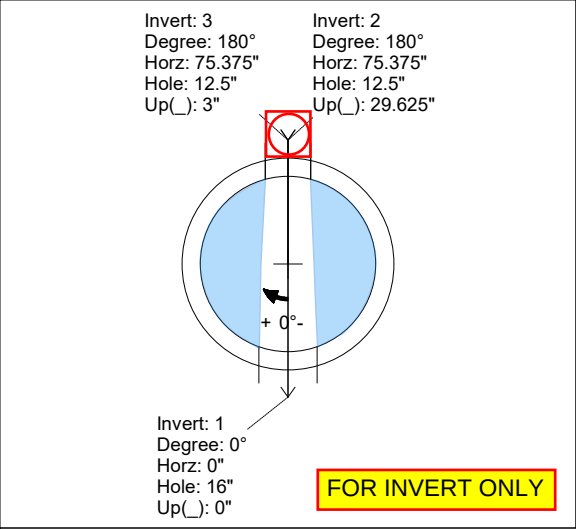
INSIDE WALL DIMENSIONS



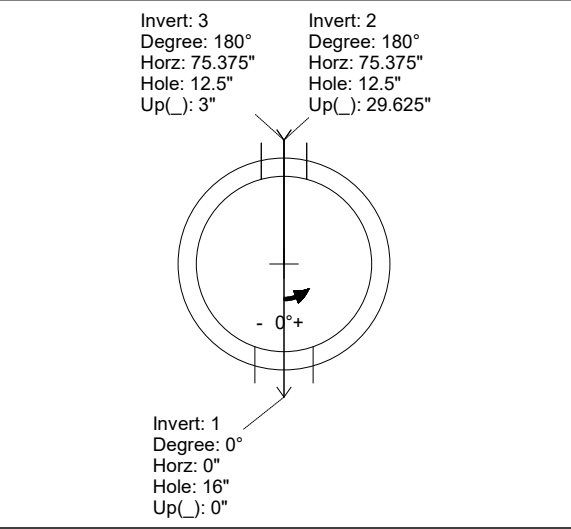
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 57" Height (Ext): 63"	Weight (Net): 5122 lb Volume (Net): 1.31cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:54:37 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A3 (7)											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE Custom Ht T/n - 57" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 16M DD 1) Drop Tee - 12" PVC 1) Drop Elbow - 12" PVC					0 lb 2050 lb 1677 lb 5122 lb 1440 lb 0 lb 0 lb 8 lb 0 lb 0 lb 0 lb Structure Total: 10297 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. EXTERIOR DROP ASSEMBLY PROVIDED BY ICAST. 6. 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: 552.77'		Rim to Invert: 9.68'		Slack: 0.16"		Sump: 2"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	543.09'	0°	0"	12" PVC SDR35	12.5"	PSX 16M DD	16"	16.312"	0"	0"	
Invert 2	545.41'	180°	91.125"	12" PVC SDR35	12.5"	Drop Tee 12" PVC	12.5"	12.646"	29.625"	0"	
Invert 3	543.19'	180°	91.125"	12" PVC SDR35	12.5"	Drop Elbow 12" PVC	12.5"	12.646"	3"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

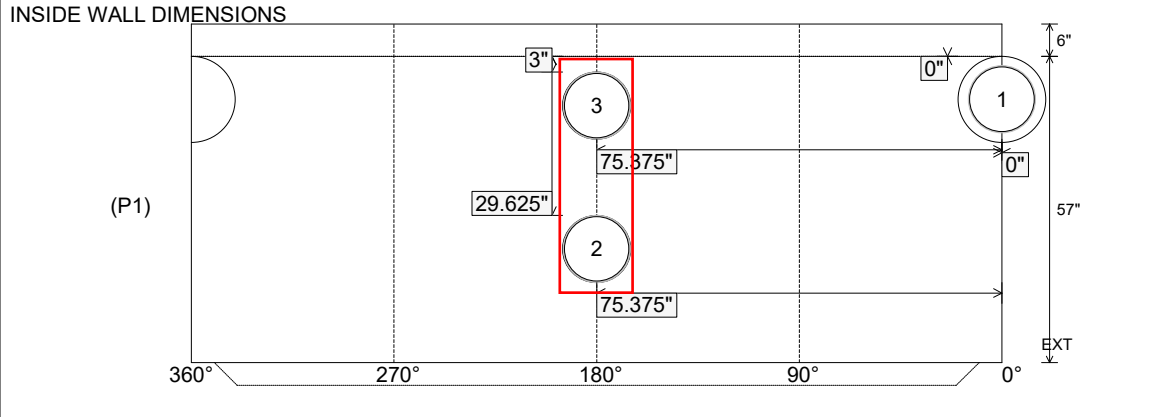
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

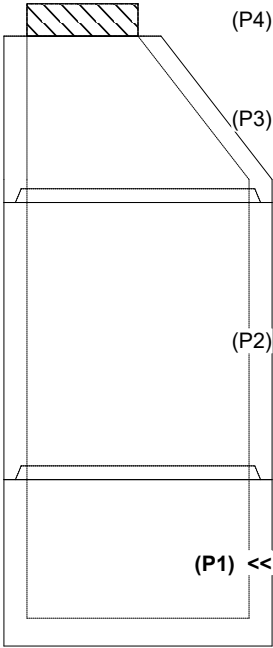


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 57" Height (Ext): 63"	Weight (Net): 5122 lb Volume (Net): 1.31cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:54:36 AM		Tech: Jared - F PC: E. Bradley						
Structure ID: A2 (6)													
P1 MH048BA30			MH BASE T/n										
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE T/n - 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 3000 lb 4192 lb 3255 lb 1440 lb 0 lb 0 lb 16 lb ----- 11902 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: 553.42' Rim to Invert: 10.96' Slack: 0.52" Sump: 2" Step Position:													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset			
Invert 1	542.46'	0°	0"	12" PVC SDR35	12.5"	PSX 16M DD	16"	16.312"	0"	0"			
Invert 2	542.56'	185°	93.625"	12" PVC SDR35	12.5"	PSX 16M DD	16"	16.312"	1.25"	0"			
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													



(P4)

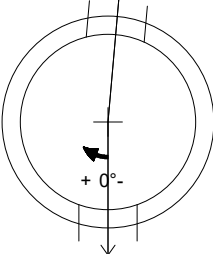
(P3)

(P2)

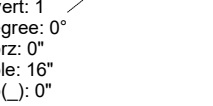
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 185°
Horz: 77.5"
Hole: 16"
Up(_): 1.25"

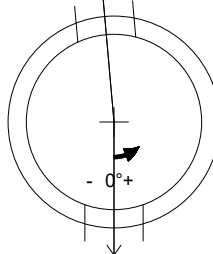


Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(_): 0"

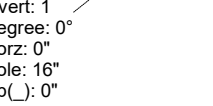


UPSIDE-DOWN VIEW (int. dimensions)

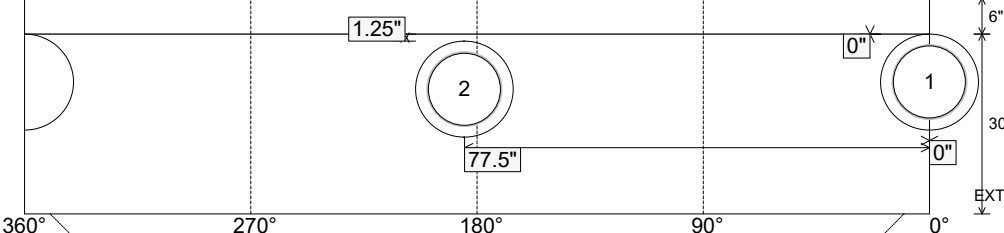
Invert: 2
Degree: 185°
Horz: 77.5"
Hole: 16"
Up(_): 1.25"



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



INSIDE WALL DIMENSIONS



(P1)

1.25"

77.5"

0"

30"

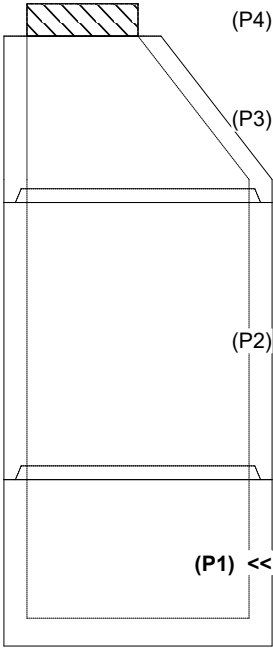
6"

EXT

360° 270° 180° 90° 0°

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

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:54:36 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A2 (6)											
P1 MH048BA30			MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE T/n - 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 3000 lb 4192 lb 3255 lb 1440 lb 0 lb 0 lb 16 lb ----- Structure Total: 11902 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: 553.42' Rim to Invert: 10.96' Slack: 0.52" Sump: 2" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	542.46'	0°	0"	12" PVC SDR35	12.5"	PSX 16M DD	16"	16.312"	0"	0"	
Invert 2	542.56'	185°	93.625"	12" PVC SDR35	12.5"	PSX 16M DD	16"	16.312"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



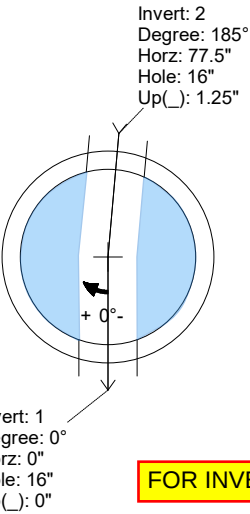
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

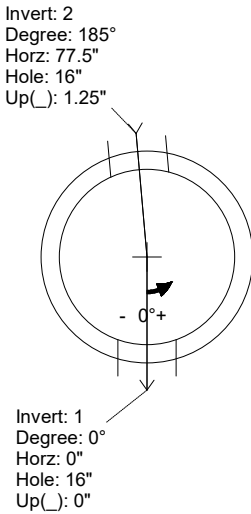


Invert: 2
Degree: 185°
Horz: 77.5"
Hole: 16"
Up(_): 1.25"

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

FOR INVERT ONLY

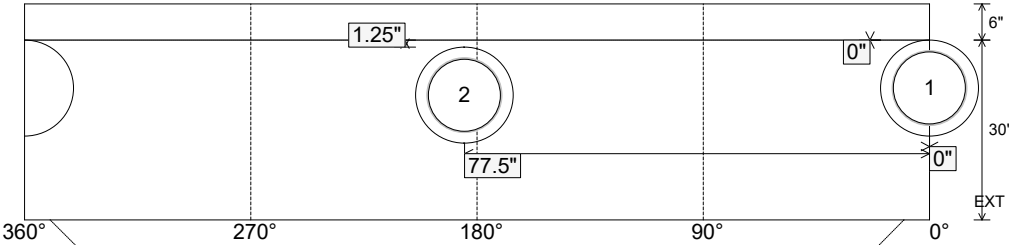
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2
Degree: 185°
Horz: 77.5"
Hole: 16"
Up(_): 1.25"

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

INSIDE WALL DIMENSIONS



(P1)

1.25"

0"

77.5"

0"

6"

30"

EXT

360° 270° 180° 90° 0°

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

Job Name: 26-1066 - Gunning Pump Station & Force Main

Job Location: Bardstown, KY

Contractor: Connhurst, LLC

Plant: 100

6/2/2026 10:56:53 AM

Tech: Jared - F

PC: E. Bradley



Structure ID: A2 (6)

P2 MH048RS60S

MH RISER T/G

P4) 24" - CASTING HEIGHT - 7"

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

P2) 48" - MH RISER T/G - 60"

P1) 48" - MH BASE T/n - 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

3000 lb

4192 lb

3255 lb

1440 lb

0 lb

0 lb

16 lb

Structure Total: 11902 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: 553.42'

Rim to Invert: 10.96'

Slack: 0.52"

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										

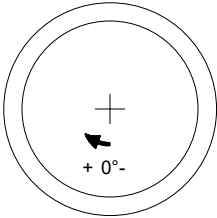
(P4)

(P3)

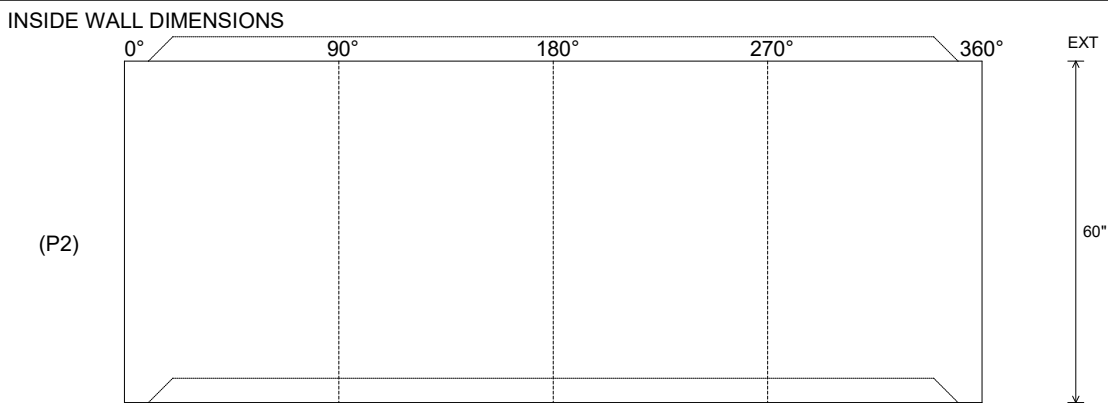
(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

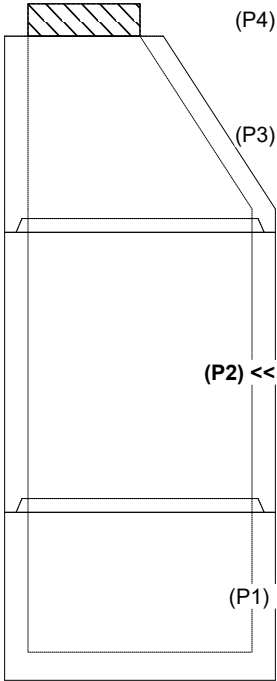
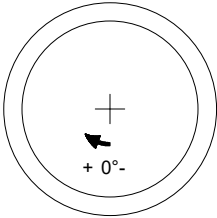
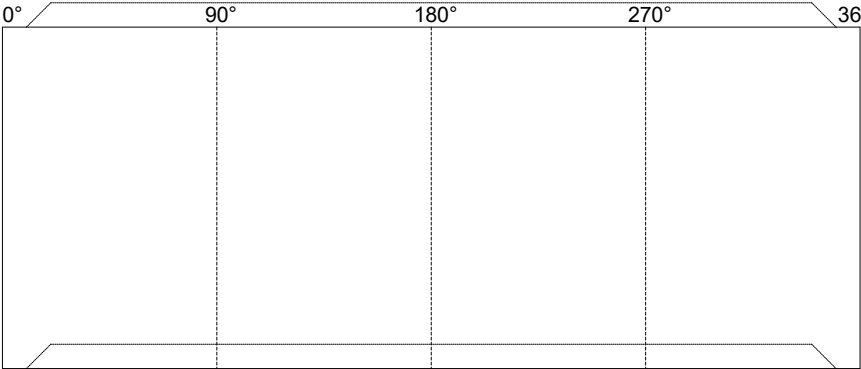
Floor Height: 0"

Height (Int): 60"

Height (Ext): 60"

Weight (Net): 4192 lb

Volume (Net): 1.07cu.yd

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:56:52 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A1 (5)											
P2 MH048RS60S			MH RISER T/G								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 42" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE T/n - 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 3200 lb 4192 lb 3255 lb 1440 lb 0 lb 0 lb 16 lb ----- Structure Total: 12102 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: 553.34' Rim to Invert: 11.44' Slack: 0.28" 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)											
											
INSIDE WALL DIMENSIONS											
		0° 90° 180° 270° 360° EXT 60"									
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
6/5/2026 2:05:17 PM

Tech: Jared - F
PC: E. Bradley



Structure ID: 44+80 AR (14)

P3 MH048RS36S

MH RISER NO STEPS

- P5) 30" x 36" - CASTING (cast in) - 0"
P4) 48" - MH FLAT TOP w/30"x36" Hatch - 12"
P3) 48" - MH RISER NO STEPS - 36"
P2) 48" - MH DH RISER Custom Ht - 58"
P1) 48" - P.I.P. BY OTHERS - BTM SLAB - 0"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) SPECIAL Internal Coating
1) HATCH (Alum.) - HALLIDAY H1W 36"x30"
1) Tnemec Series 218 - Tnemec Series 218
1) Tnemec Series 434 - Tnemec Series 434
1) Tnemec Series 435 - Tnemec Series 435
3) 48" - Conseal CS-102 1.00" (Double)
2) DOGHOUSE - 12"x12"

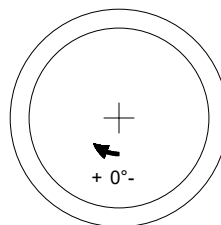
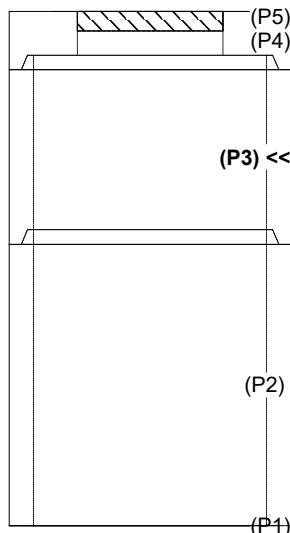
- 0 lb
1237 lb
2515 lb
3902 lb
0 lb
0 lb
0 lb
0 lb
235 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS.
4. HATCH BY ICAST (HALLIDAY H1W 30"x36" CAST-IN).
5. INSIDE OF STRUCTURE TO BE SANDBLASTED, THEN A COATING OF TNEMEC 218 TO BE APPLIED, FOLLOWED BY A COATING OF TNEMEC 434, FOLLOWED BY A COATING OF TNEMEC 435.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB #5 BAR AT 6" O.C.E.W
- RISER/WALLS (As .12)

Structure Total: 7889 lb

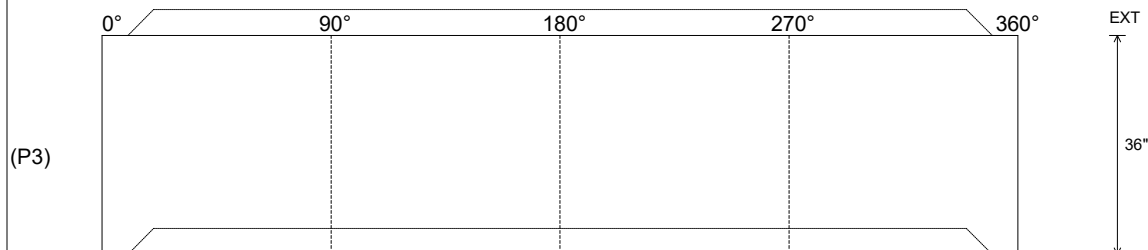
Rim: 474.92' Rim to Invert: 8.337' Slack: 0.044" Sump: 6" Step Position:

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 5"
Floor Height: 0"

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

Weight (Net): 2515 lb
Volume (Net): 0.64cu.yd

Job Name: 26-1066 - Gunning Pump Station & Force Main
Job Location: Bardstown, KY
Contractor: Connhurst, LLC

Plant: 100
6/5/2026 2:05:16 PM

Tech: Jared - F
PC: E. Bradley



Structure ID: 44+80 AR (14)

P2 MH048DHVF

MH DH RISER Custom Ht

- P5) 30" x 36" - CASTING (cast in) - 0"
P4) 48" - MH FLAT TOP w/30"x36" Hatch - 12"
P3) 48" - MH RISER NO STEPS - 36"
P2) 48" - MH DH RISER Custom Ht - 58"
P1) 48" - P.I.P. BY OTHERS - BTM SLAB - 0"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) SPECIAL Internal Coating
1) HATCH (Alum.) - HALLIDAY H1W 36"x30"
1) Tnemec Series 218 - Tnemec Series 218
1) Tnemec Series 434 - Tnemec Series 434
1) Tnemec Series 435 - Tnemec Series 435
3) 48" - Conseal CS-102 1.00" (Double)
2) DOGHOUSE - 12"x12"

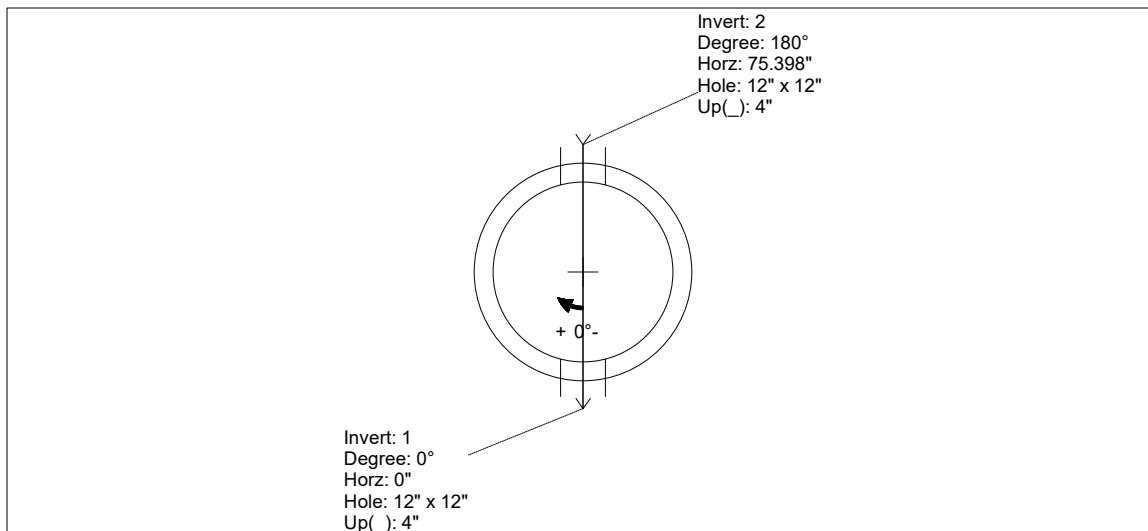
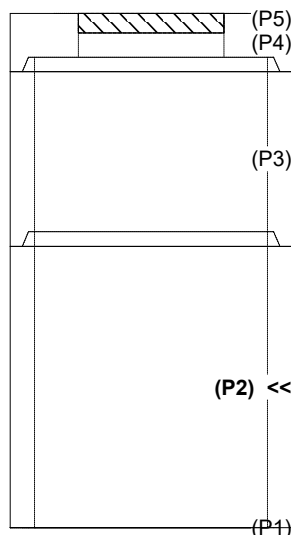
- 0 lb
1237 lb
2515 lb
3902 lb
0 lb
0 lb
0 lb
0 lb
235 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS.
4. HATCH BY ICAST (HALLIDAY H1W 30"x36" CAST-IN).
5. INSIDE OF STRUCTURE TO BE SANDBLASTED, THEN A COATING OF TNEMEC 218 TO BE APPLIED, FOLLOWED BY A COATING OF TNEMEC 434, FOLLOWED BY A COATING OF TNEMEC 435.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB #5 BAR AT 6" O.C.E.W
- RISER/WALLS (As .12)

Structure Total: 7889 lb

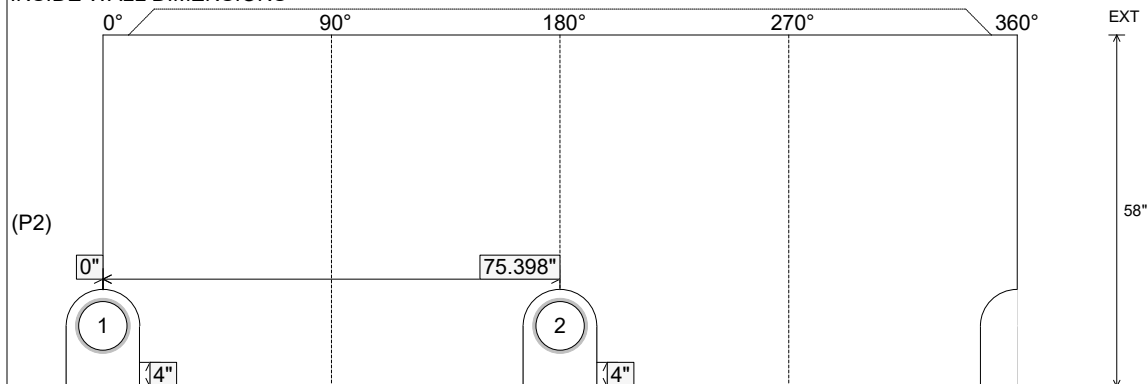
Rim: 474.92' Rim to Invert: 8.337' Slack: 0.044' Sump: 6" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	466.583'	0°	0"	8" PVC C900	9.05"	DOGHOUSE 12"x12"	12" x 12"	12.129"	4"	0"
Invert 2	466.583'	180°	91.106"	8" PVC C900	9.05"	DOGHOUSE 12"x12"	12" x 12"	12.129"	4"	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: Flat

Wall Thickness: 5"
Floor Height: 0"

Height (Int): 58"
Height (Ext): 58"

Weight (Net): 3902 lb
Volume (Net): 1cu.yd

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2					Plant: Beaver Dam		Tech: S. Felletter			
Job Location: London, KY					6/2/2026 2:57:51 PM		PC: E. Bradley			
Contractor: Endesol, Inc.										
Structure ID: C-1-12 SS-MH										
P1 MH048BA30CDARED					MH BASE w/ConBlock-CDA Red T/n					
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 36" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 2251 lb 2515 lb 3378 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 8 lb 0 lb ----- Structure Total: 9897 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 1243' Rim to Invert: 9.1' Slack: 2.2" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1233.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

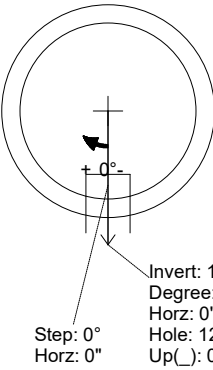
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

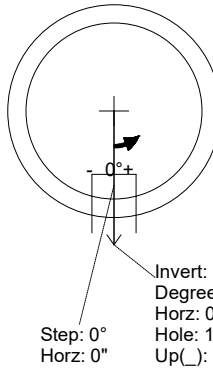
Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3378 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.86cu.yd

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2					Plant: Beaver Dam		Tech: S. Felletter			
Job Location: London, KY					6/2/2026 2:57:51 PM		PC: E. Bradley			
Contractor: Endesol, Inc.										
Structure ID: C-1-12 SS-MH										
P1 MH048BA30CDARED					MH BASE w/ConBlock-CDA Red T/n					
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 36" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 2251 lb 2515 lb 3378 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 8 lb 0 lb ----- Structure Total: 9897 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 1243' Rim to Invert: 9.1' Slack: 2.2" Sump: 2" Step Position: 0°					Invert channel drawing Full height invert					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1233.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

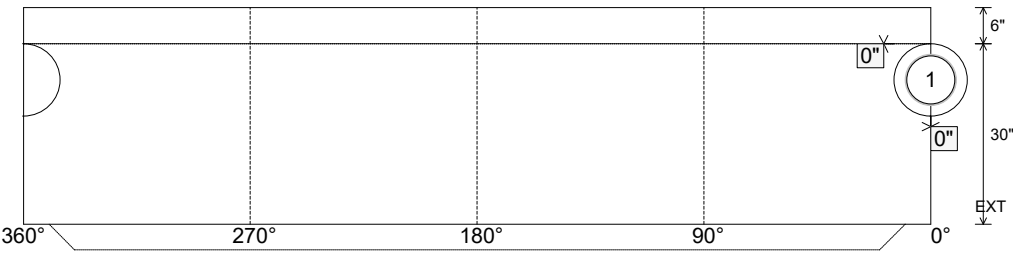
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

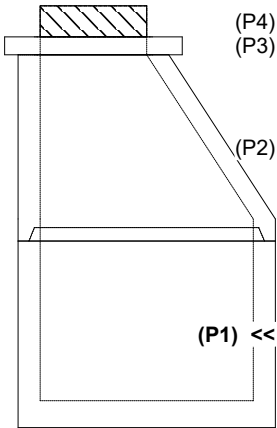


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3378 lb Volume (Net): 0.86cu.yd
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Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2					Plant: Beaver Dam		Tech: S. Felletter			
Job Location: London, KY					6/2/2026 2:57:51 PM		PC: E. Bradley			
Contractor: Endesol, Inc.										
Structure ID: B-1-10 SS-MH										
P1 MH048BA36CDARED					MH BASE w/ConBlock-CDA Red T/n					
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 4" P2) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) SPECIAL EXTERNAL COATING - GRADE RING 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 3116 lb 3749 lb 0 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 8897 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). 5. EXTERNAL BITUMINOUS COATING REQUIRED FOR GRADE RING. 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: 1211.5' Rim to Invert: 7.3' Slack: 0.6" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1204.2'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1204.3'	270°	136.659"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



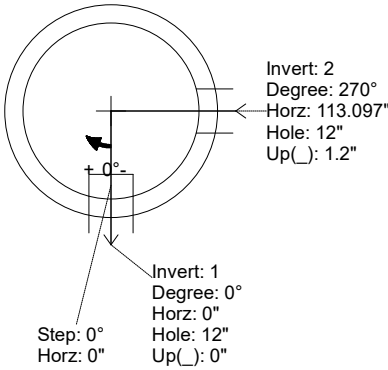
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

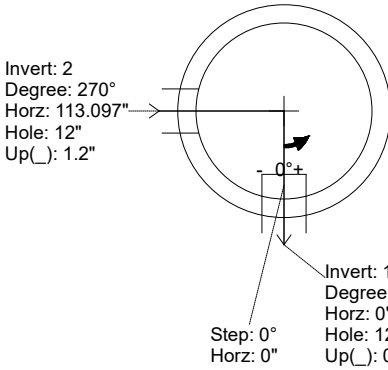


Invert: 2
Degree: 270°
Horz: 113.097"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

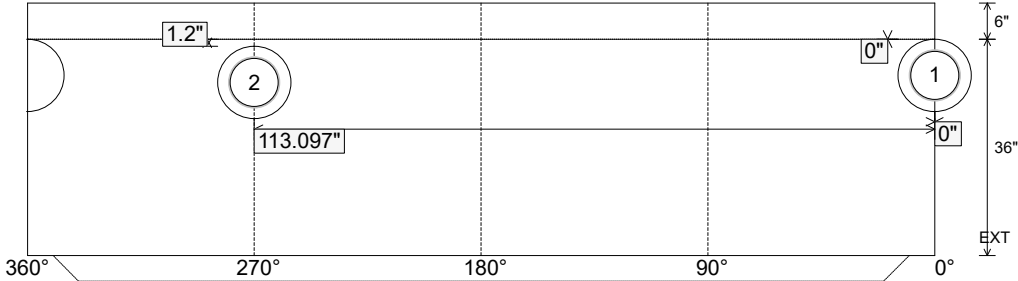


Invert: 2
Degree: 270°
Horz: 113.097"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

1.2"

113.097"

0"

0"

36"

6"

EXT

360° 270° 180° 90° 0°

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2

Job Location: London, KY

Contractor: Endesol, Inc.

Plant: Beaver Dam

6/2/2026 2:57:51 PM

Tech: S. Felletter

PC: E. Bradley



Structure ID: B-1-10 SS-MH

P1 MH048BA36CDARED

MH BASE w/ConBlock-CDA Red T/n

P4) 24" - CASTING HEIGHT - 7"

P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 4"

P2) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42"

P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36"

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

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

1) SPECIAL EXTERNAL COATING - GRADE RING

1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT

1) CASTING - HOE MC-350 F/C Sanitary

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

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

2) PSX - 12-08 NYLO

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

0 lb

270 lb

3116 lb

3749 lb

0 lb

0 lb

0 lb

1440 lb

305 lb

0 lb

0 lb

16 lb

0 lb

8897 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. ADMIXTURE = CONBLOCK CDA RED.

4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY").

5. EXTERNAL BITUMINOUS COATING REQUIRED FOR GRADE RING.

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Structure Total:

Rim: 1211.5'

Rim to Invert: 7.3'

Slack: 0.6"

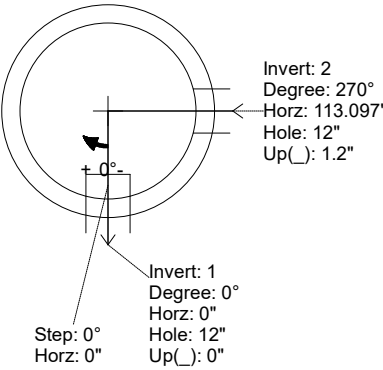
Sump: 2"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1204.2'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1204.3'	270°	136.659"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2

Degree: 270°

Horz: 113.097"

Hole: 12"

Up(): 1.2"

Invert: 1

Degree: 0°

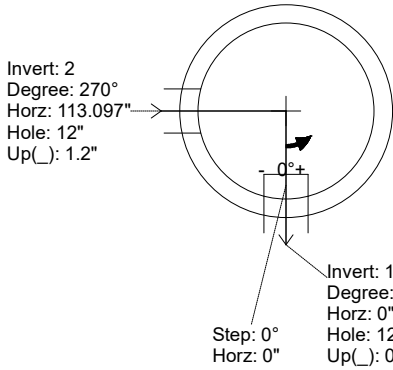
Horz: 0"

Hole: 12"

Up(): 0"

Step: 0°

Horz: 0"



Invert: 2

Degree: 270°

Horz: 113.097"

Hole: 12"

Up(): 1.2"

Invert: 1

Degree: 0°

Horz: 0"

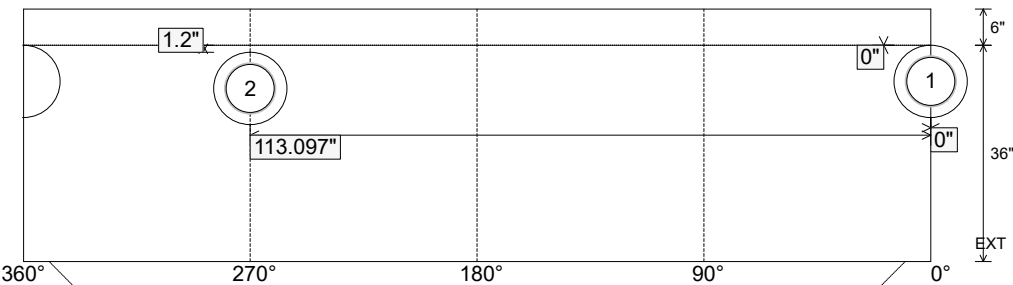
Hole: 12"

Up(): 0"

Step: 0°

Horz: 0"

INSIDE WALL DIMENSIONS



1.2"

0"

113.097"

0"

360°

270°

180°

90°

0°

6"

36"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

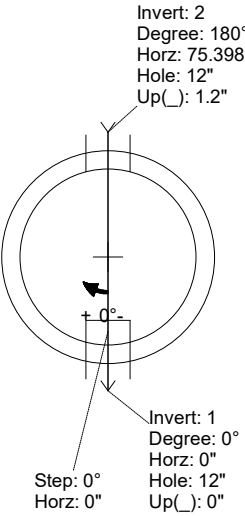
Height (Int): 36"

Height (Ext): 42"

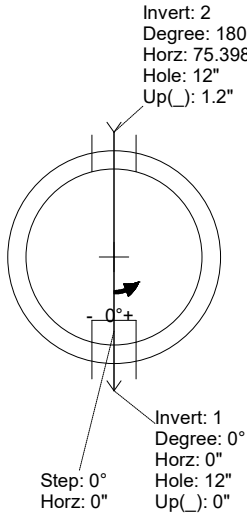
Weight (Net): 3749 lb

Volume (Net): 0.96cu.yd

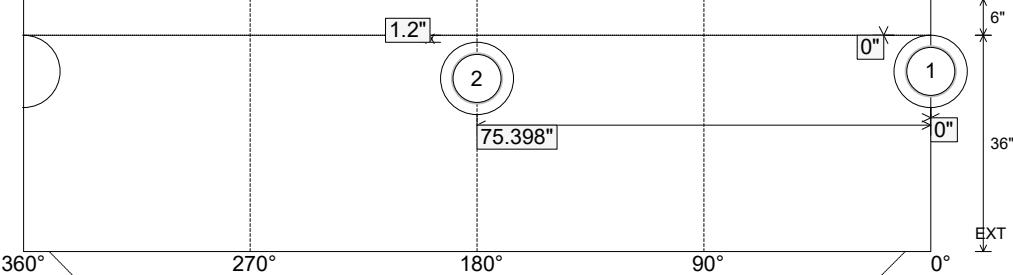
Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2 Job Location: London, KY Contractor: Endesol, Inc.					Plant: Beaver Dam 6/2/2026 2:57:50 PM		Tech: S. Felletter PC: E. Bradley				
Structure ID: B-2-9 SS-MH											
P1 MH048BA36CDARED			MH BASE w/ConBlock-CDA Red T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 12) MH Step ML-10-TDS-NCR - 10"					0 lb 3116 lb 4192 lb 3749 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 1218' Rim to Invert: 12.1' Slack: 2.2" Sump: 2" Step Position: 0°					Structure Total: 12818 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1205.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	1206'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



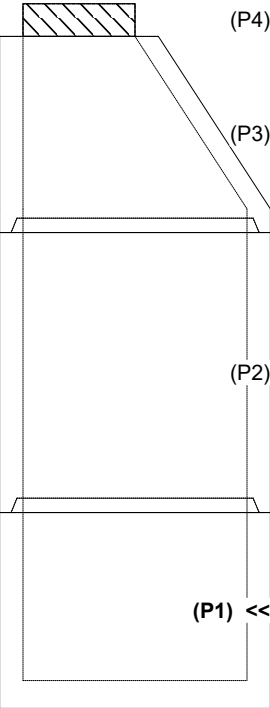
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



(P1) <<

Coating (Int):
Coating (Ext):

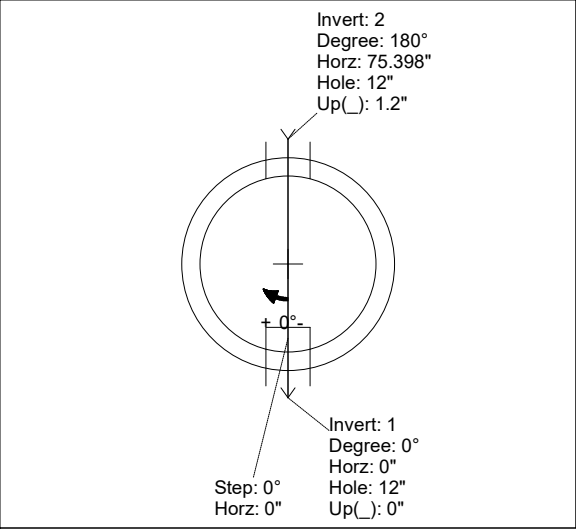
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

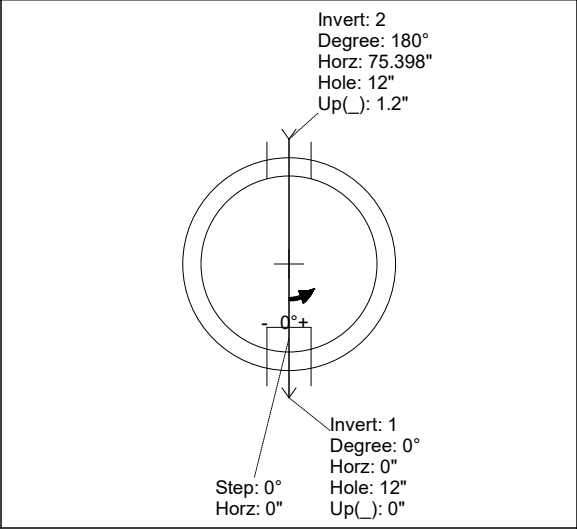
Height (Int): 36"
Height (Ext): 42"

Weight (Net): 3749 lb
Volume (Net): 0.96cu.yd

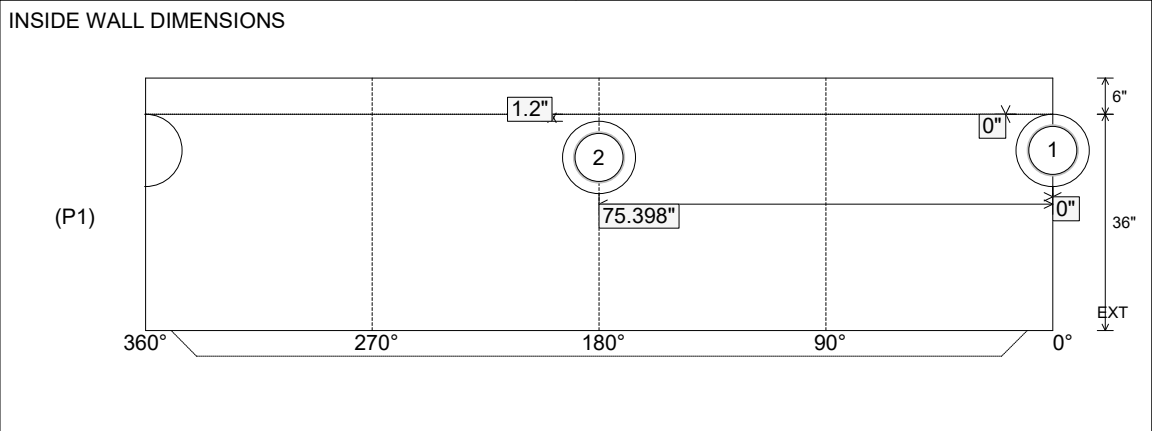
Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2 Job Location: London, KY Contractor: Endesol, Inc.					Plant: Beaver Dam 6/2/2026 2:57:50 PM		Tech: S. Felletter PC: E. Bradley				
Structure ID: B-2-9 SS-MH											
P1 MH048BA36CDARED			MH BASE w/ConBlock-CDA Red T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 12) MH Step ML-10-TDS-NCR - 10"					0 lb 3116 lb 4192 lb 3749 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Structure Total: 12818 lb					Invert channel drawing Full height invert						
Rim: 1218' Rim to Invert: 12.1' Slack: 2.2' Sump: 2' Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1205.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	1206'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



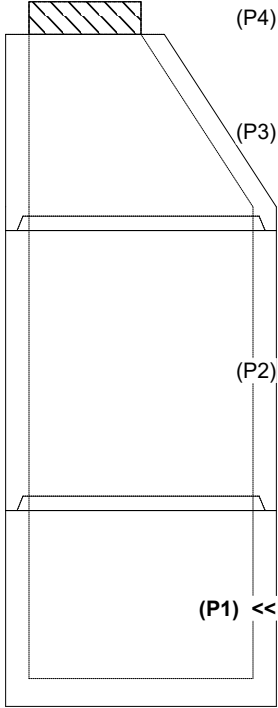
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



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

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 25-4488 - WVDOT Wood Co NHPP-0068(192)
Job Location: Parkersburg, WV
Contractor: Triton Construction

Plant: 100

3/26/2026 1:44:55 PM

Tech: Jared - F

PC: E. Bradley

Structure ID: MH-06

P3 MH060LD13

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

- P4) 24" - CASTING HEIGHT - 8.85"
P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"
P2) 60" - MH RISER T/G - 24"
P1) 60" - MH BASE Custom Ht T/n - 55"
1) CASTING - NEENAH R-1785 (F/C)
2) 60" - Con Seal CS-102 1.00"
2) Hole - 38
7) MH Step ML-10-TDS-NCR - 10"

Structure Total:

0 lb
2869 lb
2505 lb
7255 lb
294 lb
0 lb
0 lb
0 lb
12923 lb

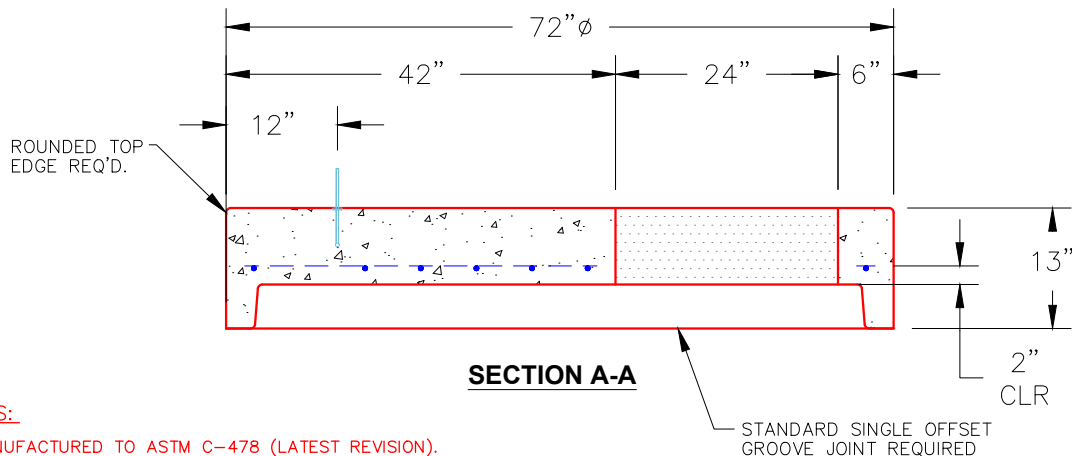
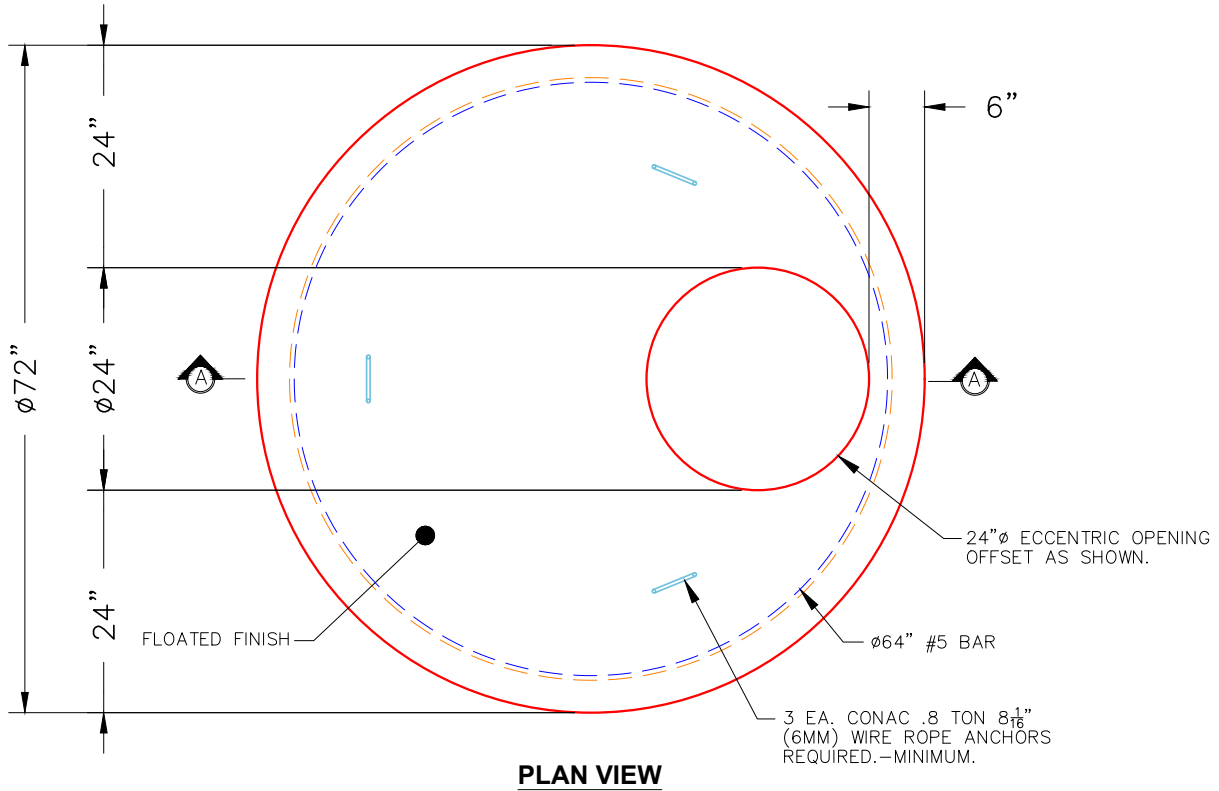
Structure Notes:

WVDOT STATE PROJECT

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. INVERT CHANNEL (BY OTHERS).
4. CASTING BY I-CAST (NEENAH R-1785 (F/C)).

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

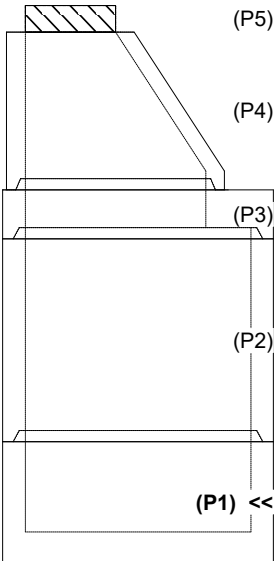
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

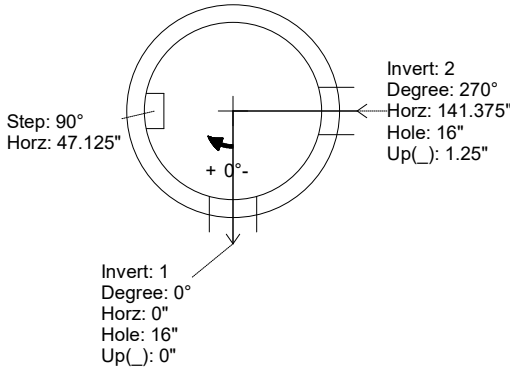
Weight (Net): 2869 lb
Volume (Net): 0.73cu.yd

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC					Plant: 100 6/4/2026 1:36:13 PM		Tech: Jared - F PC: J Jarvis				
Structure ID: MH-4											
P1 MH060BA24		MH BASE T/n									
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC CONE w/ 24" HOLE F/G - 42" P3) 60" - MH Transition Slab 48" Hole T/G - 13" P2) 60" - MH RISER T/G - 54" P1) 60" - MH BASE T/n - 24" 1) Chimney Seal - Cretex Chimney Seal 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) CASTING - HOE MC-375-WT F/C Sanitary 2) 60" - Conseal CS-102 1.00" (Double) 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 16Y NYLO 11) MH Step ML-10-TDS-NCR - 10"					0 lb 3200 lb 1928 lb 5637 lb 5034 lb 10 lb 0 lb 0 lb 2692 lb 271 lb 0 lb 0 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY). 4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - TRANS. 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.				
Rim: 449'		Rim to Invert: 11.45'		Slack: 0.4"		Sump: 3"		Structure Total: 18788 lb		Step Position: 90°	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	437.55'	0°	0"	10" DI	11.1"	PSX 16Y NYLO	16"	16.196"	0"	0"	
Invert 2	437.65'	270°	169.625"	10" DI	11.1"	PSX 16Y NYLO	16"	16.196"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)

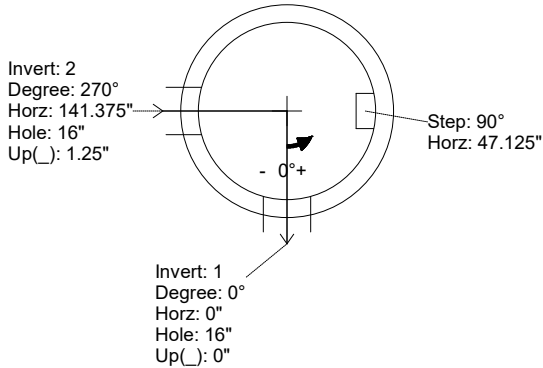


Invert: 2
Degree: 270°
Horz: 141.375"
Hole: 16"
Up(): 1.25"

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

Step: 90°
Horz: 47.125"

UPSIDE-DOWN VIEW (int. dimensions)

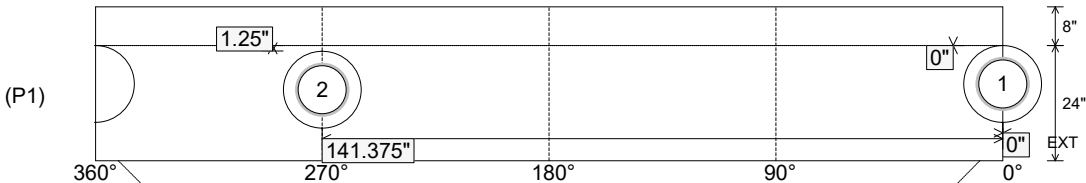


Invert: 2
Degree: 270°
Horz: 141.375"
Hole: 16"
Up(): 1.25"

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

Step: 90°
Horz: 47.125"

INSIDE WALL DIMENSIONS

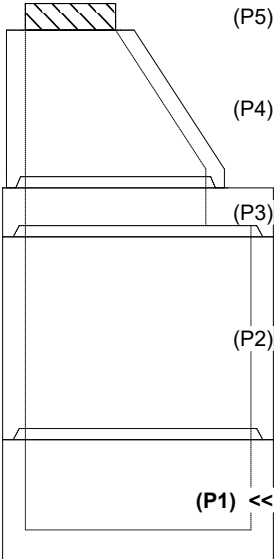


(P1)

1.25"
141.375"
360°
270°
180°
90°
0°
8"
24"
EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 24" Height (Ext): 32"	Weight (Net): 5034 lb Volume (Net): 1.29cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC					Plant: 100 6/4/2026 1:36:13 PM		Tech: Jared - F PC: J Jarvis				
Structure ID: MH-4											
P1		MH060BA24		MH BASE T/n							
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC CONE w/ 24" HOLE F/G - 42" P3) 60" - MH Transition Slab 48" Hole T/G - 13" P2) 60" - MH RISER T/G - 54" P1) 60" - MH BASE T/n - 24" 1) Chimney Seal - Cretex Chimney Seal 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) CASTING - HOE MC-375-WT F/C Sanitary 2) 60" - Conseal CS-102 1.00" (Double) 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 16Y NYLO 11) MH Step ML-10-TDS-NCR - 10"					0 lb 3200 lb 1928 lb 5637 lb 5034 lb 10 lb 0 lb 0 lb 2692 lb 271 lb 0 lb 0 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY). 4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - TRANS. 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.				
Rim: 449'		Rim to Invert: 11.45'		Slack: 0.4"		Sump: 3"		Structure Total: 18788 lb		Step Position: 90°	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	437.55'	0°	0"	10" DI	11.1"	PSX 16Y NYLO	16"	16.196"	0"	0"	
Invert 2	437.65'	270°	169.625"	10" DI	11.1"	PSX 16Y NYLO	16"	16.196"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P5)

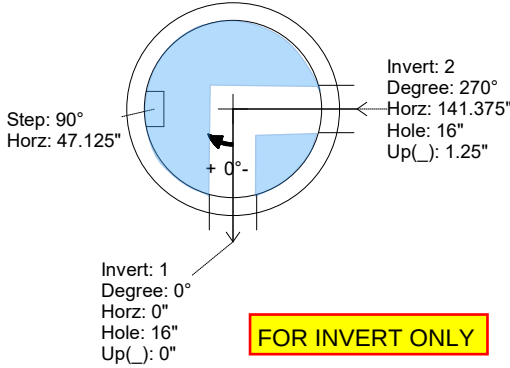
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



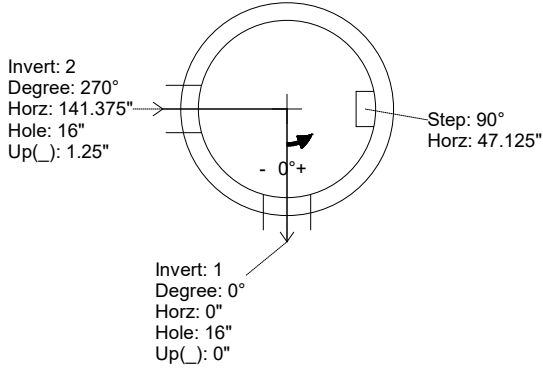
Invert: 2
Degree: 270°
Horz: 141.375"
Hole: 16"
Up(): 1.25"

Step: 90°
Horz: 47.125"

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

FOR INVERT ONLY

UPSIDE-DOWN VIEW (int. dimensions)

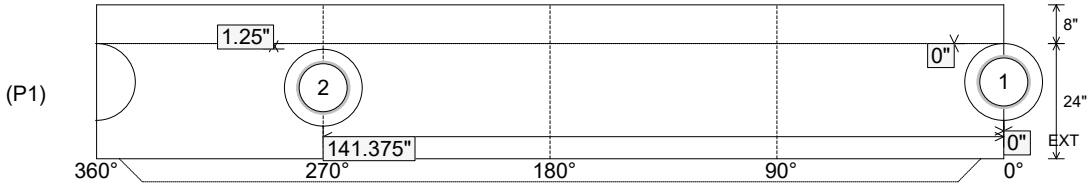


Invert: 2
Degree: 270°
Horz: 141.375"
Hole: 16"
Up(): 1.25"

Step: 90°
Horz: 47.125"

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

INSIDE WALL DIMENSIONS



(P1)

1.25"

2

141.375"

360°

270°

180°

90°

0°

8"

24"

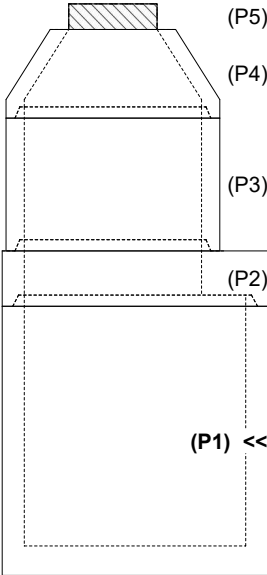
EXT

0"

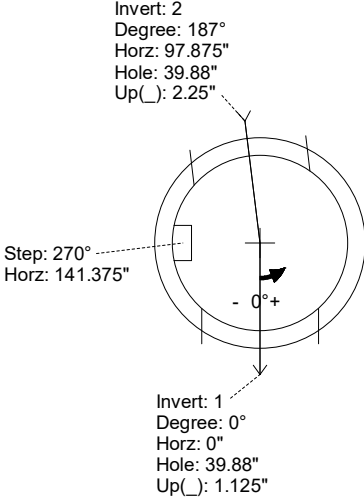
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 24" Height (Ext): 32"	Weight (Net): 5034 lb Volume (Net): 1.29cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/20/2026 1:21:56 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301567											
P1		MH060BAVF									
MH BASE Custom Ht T/n											
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 36" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 65" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 10) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 8164 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 17829 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				
Rim: 757.8' Rim to Invert: 12.24' Slack: 2.88" Sump: 3" Step Position: 270°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	745.56'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"	
Invert 2	745.66'	187°	117.5"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

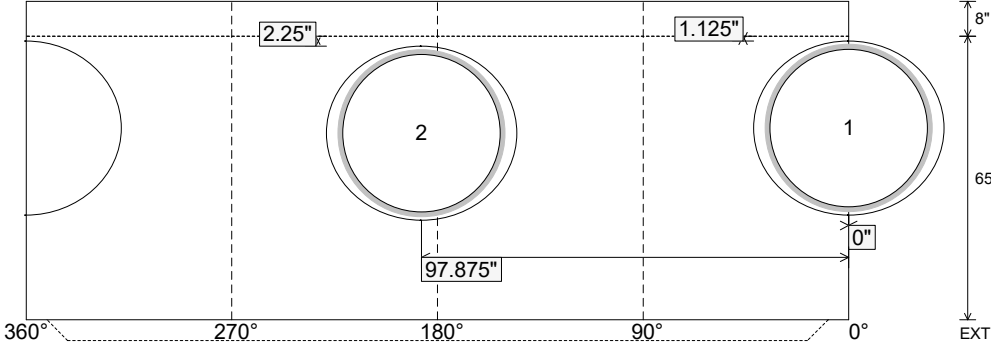
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 65" Height (Ext): 73"	Weight (Net): 8164 lb Volume (Net): 2.08cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100		Tech: J. Horsley - A			
					3/20/2026 1:21:56 PM		PC: Celina Goff			
Structure ID: 2301567										
P1 MH060BAVF			MH BASE Custom Ht T/n							
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 36" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 65" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 10) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 8164 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- Structure Total: 17829 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			
Rim: 757.8' Rim to Invert: 12.24' Slack: 2.88" Sump: 3" Step Position: 270°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	745.56'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	745.66'	187°	117.5"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 65" Height (Ext): 73"	Weight (Net): 8164 lb Volume (Net): 2.08cu.yd
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Job Name: 26-2722 863539 South Oldham High School
Job Location: Crestwood, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

7/8/2026 9:14:14 AM

Tech: S. Felletter

PC: C. Goff



Structure ID: 25-CS-6

P3 MH072LD15-30ECC

MH FLAT TOP SPEC. (30" ECC HOLE) F/G

- P4) 30" - CASTING HEIGHT - 4"
P3) 72" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 15"
P2) 72" - MH RISER T/G - 84"
P1) 72" - MH BASE T/n - 24"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
2) 72" - Conseal CS-102 1.00"
2) Hole - 24
1) Hole - 12

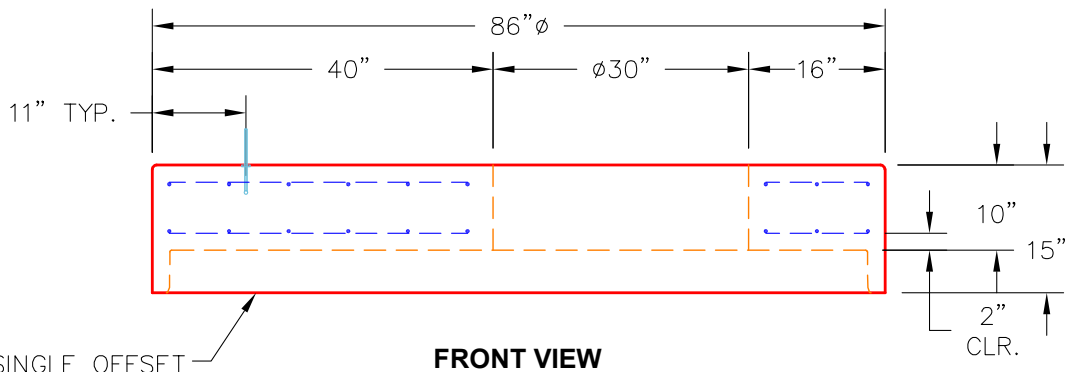
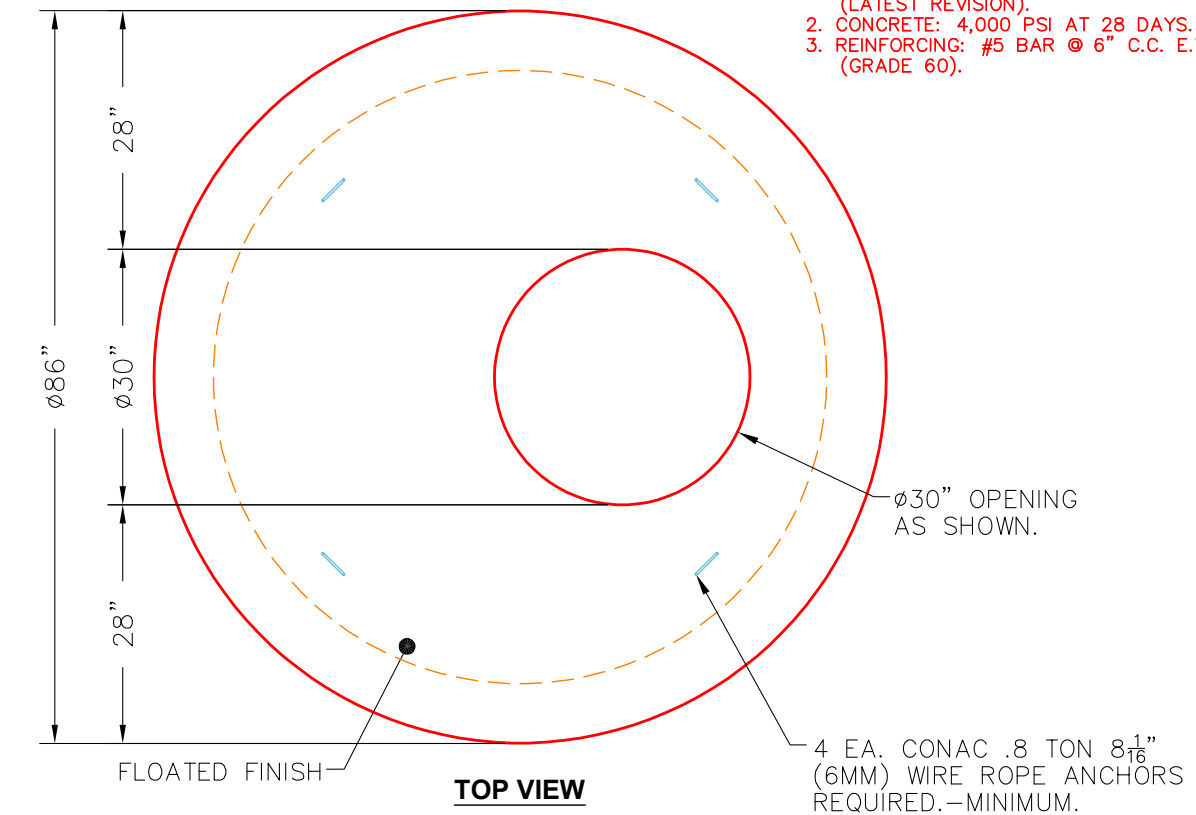
Structure Total:

0 lb
4661 lb
11639 lb
7398 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
23698 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
P2 RISER TO BE MECHANICALLY
ATTACHED TO P1 BASE

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

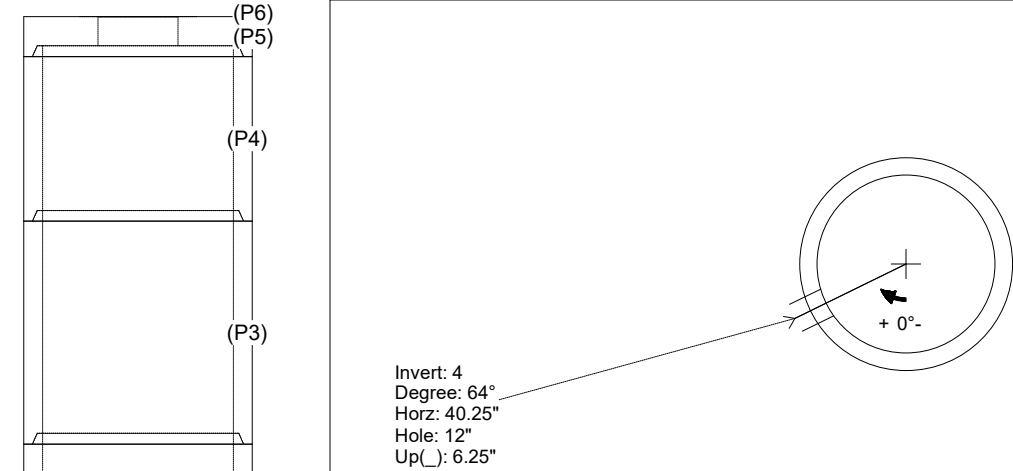
Wall Thickness: 7"

Height (Ext): 15"

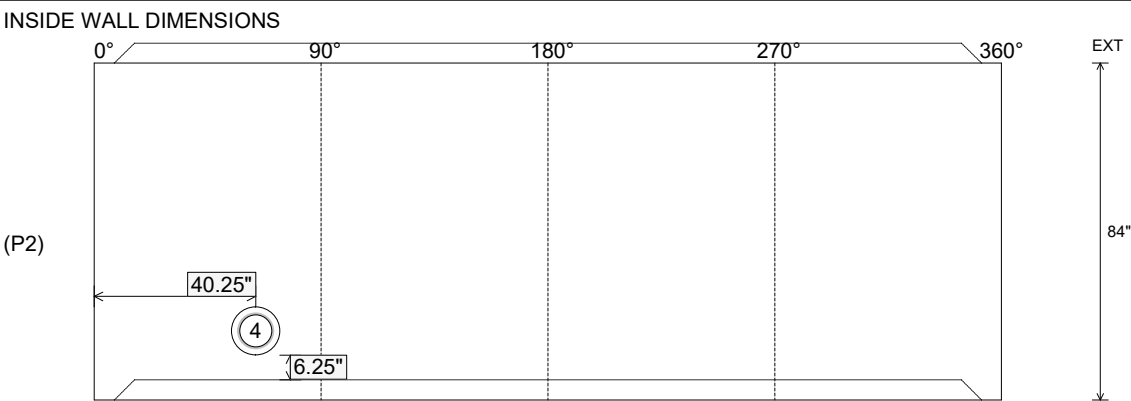
Weight (Net): 4661 lb
Volume (Net): 1.19cu.yd

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC				Plant: 100 6/2/2026 7:32:40 PM		Tech: Jared - F PC: J Jarvis						
Structure ID: SCUM W.W.												
P2 MH072RS84			MH RISER T/G									
P6) 30" x 60" - CASTING HEIGHT - 0" P5) 72" - MH FLAT TOP w/30"x60" Hatch F/G - 15" P4) 72" - MH RISER Custom Ht T/G - 62" P3) 72" - MH RISER T/G - 84" P2) 72" - MH RISER T/G - 84" P1) 72" - MH BASE EF Cust. Ht. 12"F (8"EF =102"OD) T/n - 72" 1) JOINT WRAP - 12" WD x 084" MH MAC WRAP 1) HATCH (Alum.) - HALLIDAY W1S 30"x60" 4) 72" - Conseal CS-231 1.00" (Double) 2) Z-Lok - C107-6 1) PSX - 8QRS-S NYLO 1) PSX - 12M NYLO 2) PSX - 12-06 NYLO						0 lb 4044 lb 8896 lb 12112 lb 12179 lb 18724 lb 0 lb 102 lb 0 lb 2 lb 6 lb 8 lb 16 lb ----- Structure Total: 56090 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HATCH SUPPLIED BY I-CAST (HALLIDAY W1S 30"x60"). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W. (DOUBLE MAT) - RISER/WALLS (As .12) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W. (DOUBLE MAT)				
Rim: 454'		Rim to Invert: 19.3'		Slack: -0.2"		Sump: 85.2"		Step Position:				
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1												
Invert 2												
Invert 3												
Invert 4	434.7'	64°	48"	8" DI	9"	PSX 12M NYLO	12"	12.056"	6.25"	0"		
Invert 5												
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 7" Floor Height: 0"	Height (Int): 84" Height (Ext): 84"	Weight (Net): 12179 lb Volume (Net): 3.11cu.yd
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Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion
Job Location: Shepherdsville, KY
Contractor: Pace Contracting, LLC

Plant: 100

6/4/2026 3:35:11 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: PROCESS RETURN P.S.

P1 MH084BAEVF

MH BASE w/FLANGE (12F/07EF) T/n

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)
1) PSX - 16Y NYLO
2) PSX - 12-06 NYLO
1) Kor-N-Seal2 - S206-18L

100 lb
5512 lb
8537 lb
18626 lb
24758 lb
0 lb
126 lb
0 lb
0 lb
8 lb
16 lb
6 lb

Structure Total:

57689 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).

Rim: 448.25' Rim to Invert: 15.85' Slack: 0" Sump: 43.8" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	432.4'	90°	78.5"	10" DI	11.1"	PSX 16Y NYLO	16"	16.098"	40.75"	0"
Invert 2	433'	140°	122.125"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.041"	48"	0"
Invert 3	432.4'	227°	198.125"	14" DI	15.3"	Kor-N-Seal2 S206-18L	18"	18.141"	41.75"	0"
Invert 4	433'	270°	235.625"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.041"	48"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 140°
Horz: 102.625"
Hole: 12"
Up() : 48"

Invert: 3
Degree: 227°
Horz: 166.375"
Hole: 18"
Up() : 41.75"

Invert: 1
Degree: 90°
Horz: 66"
Hole: 16"
Up() : 40.75"

Invert: 4
Degree: 270°
Horz: 197.875"
Hole: 12"
Up() : 48"

Invert: 3
Degree: 227°
Horz: 166.375"
Hole: 18"
Up() : 41.75"

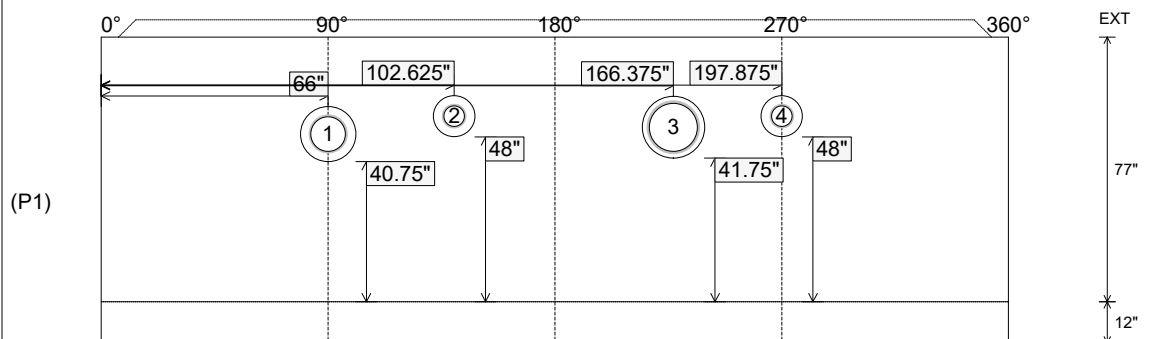
Invert: 4
Degree: 270°
Horz: 197.875"
Hole: 12"
Up() : 48"

Invert: 2
Degree: 150°
Horz: 110"
Hole: 12"
Up() : 48"

Invert: 1
Degree: 90°
Horz: 66"
Hole: 16"
Up() : 40.75"

1ST POUR (BASE) = 21,418 LBS
2ND POUR (EXTENDED FLANGE) = 2,370 LBS

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 12"

Height (Int): 77"
Height (Ext): 89"

Weight (Net): 24758 lb
Volume (Net): 6.32cu.yd

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion

Job Location: Shepherdsville, KY

Contractor: Pace Contracting, LLC

Plant: 100

6/4/2026 3:35:11 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: PROCESS RETURN P.S.

P1 MH084BAEVF

MH BASE w/FLANGE (12F/07EF) T/n

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)

1) PSX - 16Y NYLO

2) PSX - 12-06 NYLO

1) Kor-N-Seal2 - S206-18L

100 lb

5512 lb

8537 lb

18626 lb

24758 lb

0 lb

126 lb

0 lb

0 lb

8 lb

16 lb

6 lb

Structure Total: 57689 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).

Rim: 448.25'

Rim to Invert: 15.85'

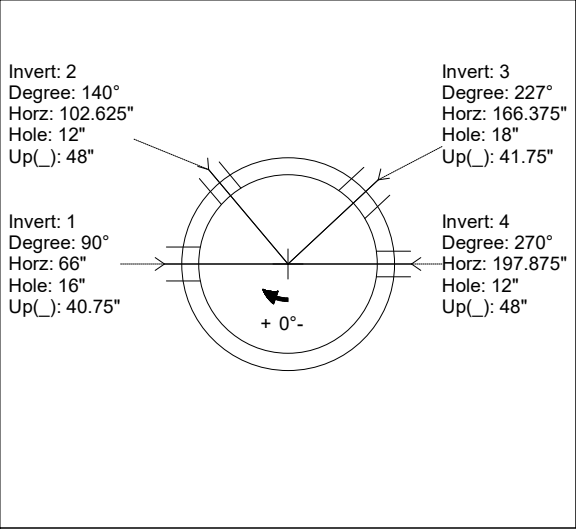
Slack: 0"

Sump: 43.8"

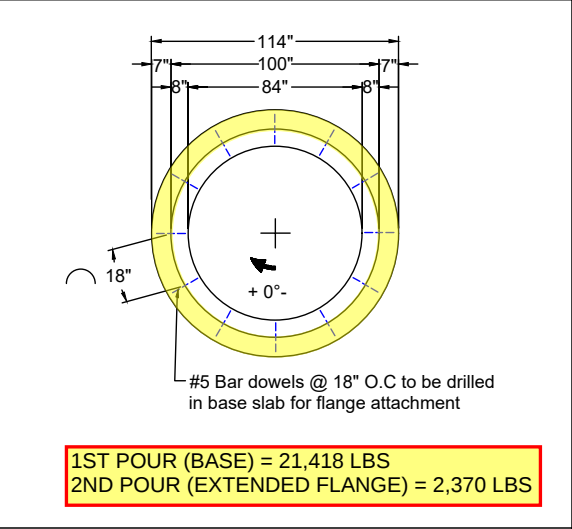
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	432.4'	90°	78.5"	10" DI	11.1"	PSX 16Y NYLO	16"	16.098"	40.75"	0"
Invert 2	433'	140°	122.125"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.041"	48"	0"
Invert 3	432.4'	227°	198.125"	14" DI	15.3"	Kor-N-Seal2 S206-18L	18"	18.141"	41.75"	0"
Invert 4	433'	270°	235.625"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.041"	48"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

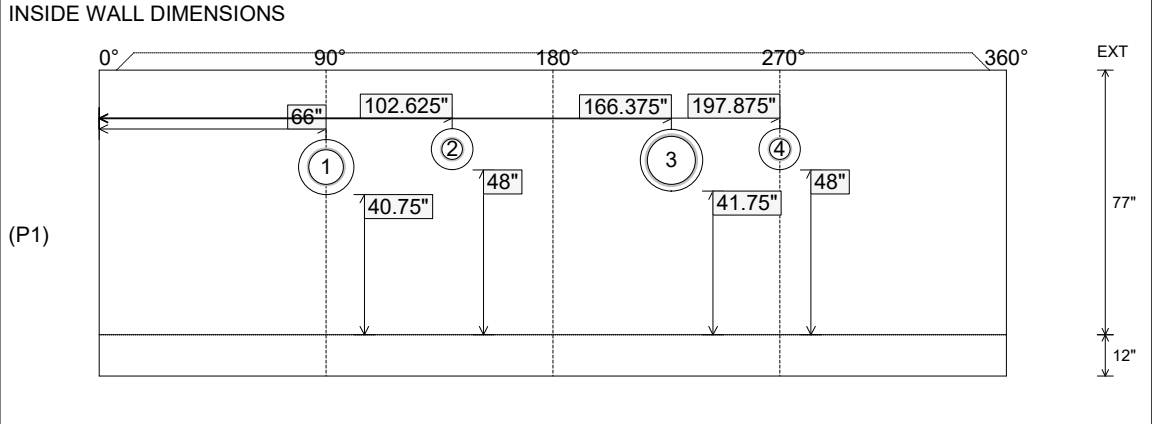
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 12"

Height (Int): 77"

Height (Ext): 89"

Weight (Net): 24758 lb

Volume (Net): 6.32cu.yd

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 7:52:48 AM

Tech: J. Horsley

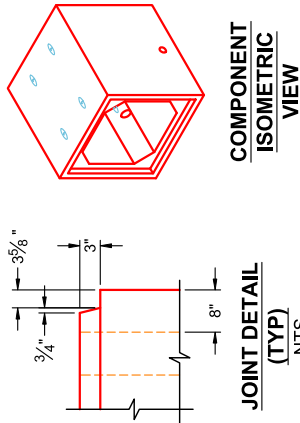
PC: C. Goff



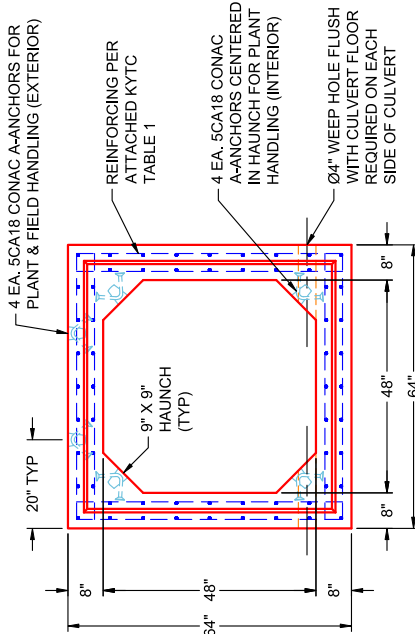
Structure ID: St. 45+00 (PC 5)

P1 BC048048-08WLF-9H

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

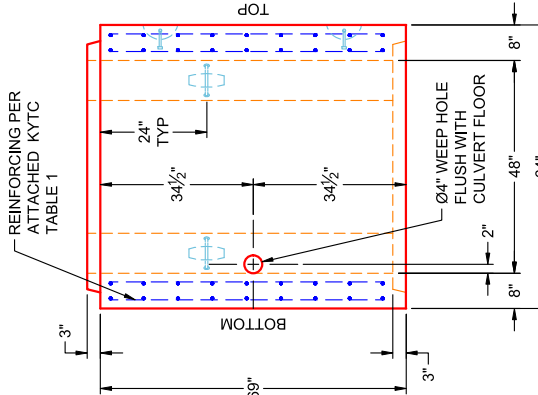


COMPONENT
ISOMETRIC
VIEW



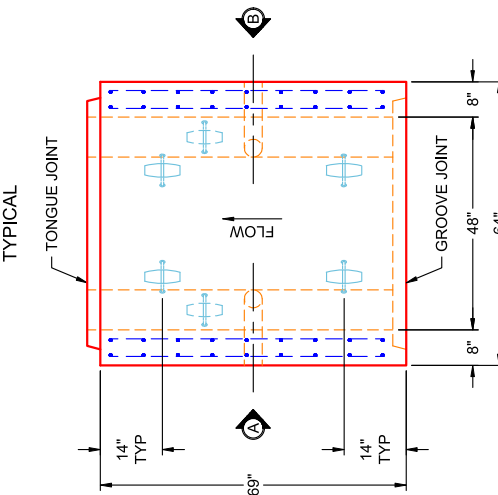
JOINT DETAIL
(TYP)
NTS

END VIEW
TYPICAL



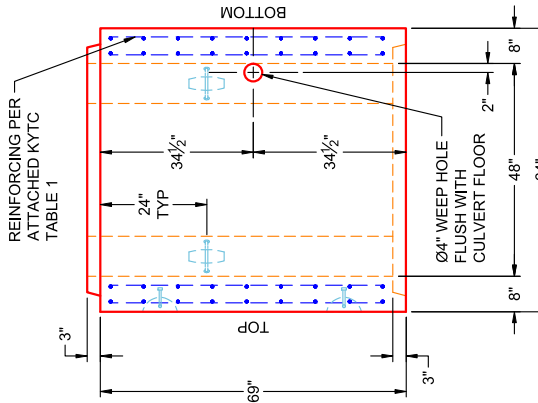
VIEW A
PC 5

(UPRIGHT IN MOLD)



PLAN VIEW
PC 5

(UPRIGHT IN MOLD)



VIEW B
PC 5

(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 5)

ORDER NO: 24-1643B

PE: J.H. ROSS

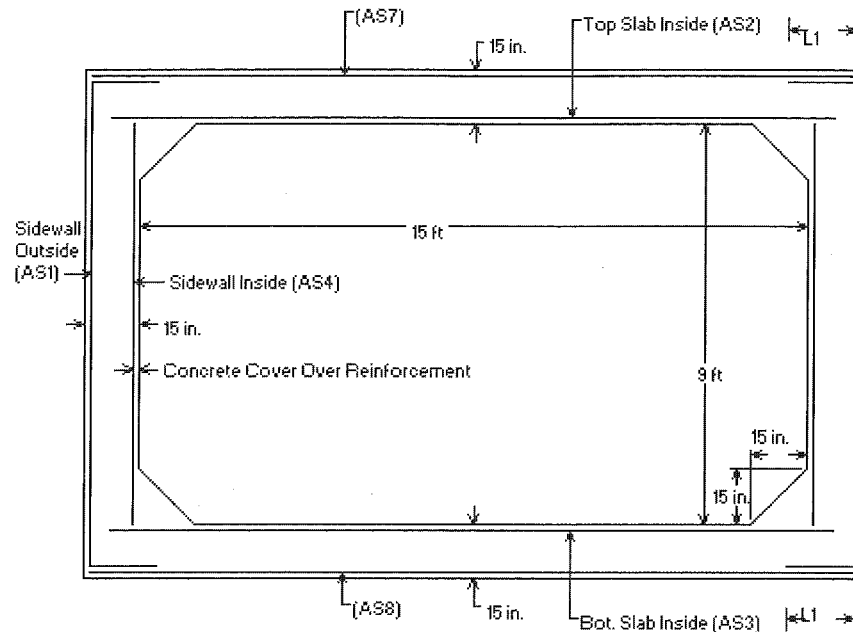
DRAWING: K. CARDWELL

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"

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 7:51:22 AM

Tech: J. Horsley

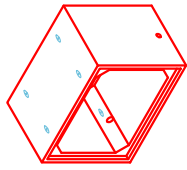
PC: C. Goff



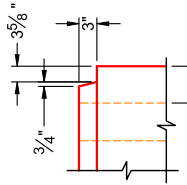
Structure ID: St. 43+62 (PC 22)

P1 BC096072-08WLF-9HC

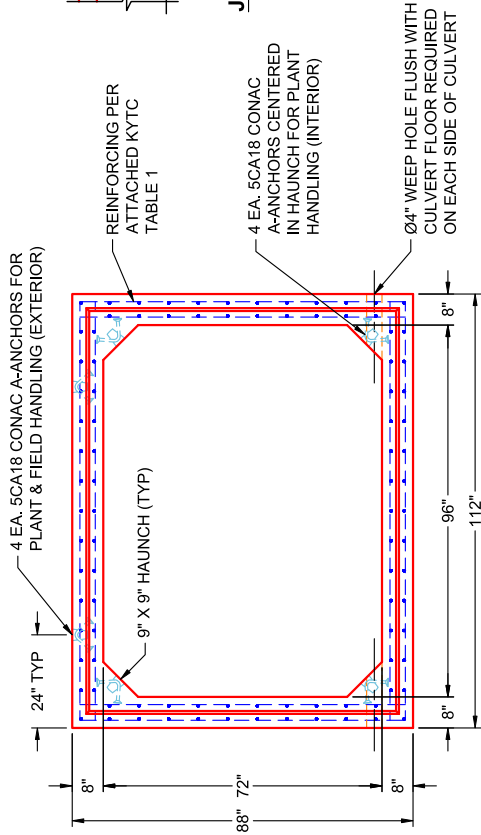
BOX CULVERT (08W/08F/08T) G/T



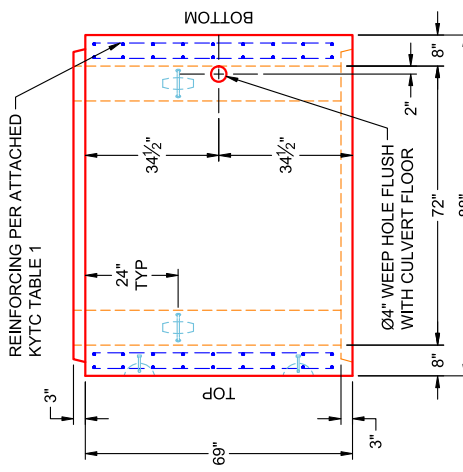
COMPONENT
ISOMETRIC
VIEW



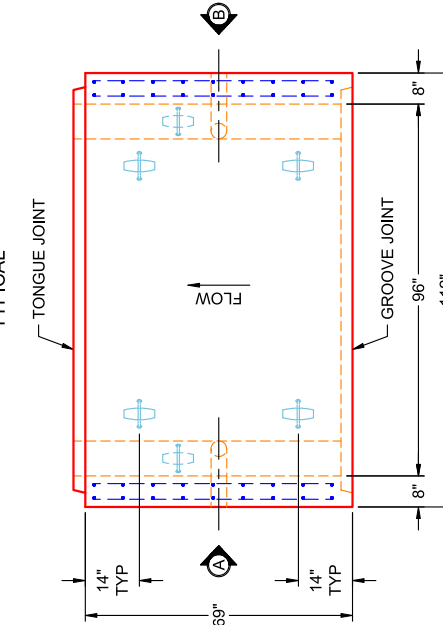
JOINT DETAIL
(TYP)
NTS



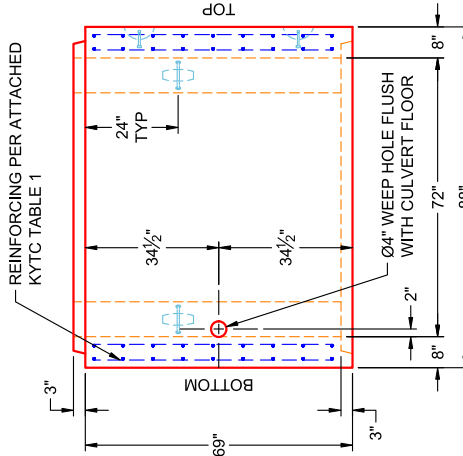
END VIEW
TYPICAL



VIEW B
PC 22
(UPRIGHT IN MOLD)



PLAN VIEW
PC 22
(UPRIGHT IN MOLD)



VIEW A
PC 22
(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: 10"
 - CONCRETE: 5,000 PSI AT 28 DAYS
 - JOINT SEALANT: 1" BUTYL MASTIC (CS-102)
EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
 - WEIGHT: 8' X 6' RCBC = 3,138 LBS / LF
(5'-9" LONG SECTION = 18,044 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.: BC096072-08WLF-9H

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 18,044 LBS

TOP SECTION JOINT: TONGUE

BASE SECTION JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 96" X 72" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)

CUSTOMER: JIM SMITH CONTRACTING

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

STRUCTURE: ST. 43+62 (PC 22)

ORDER NO: 24-1643B

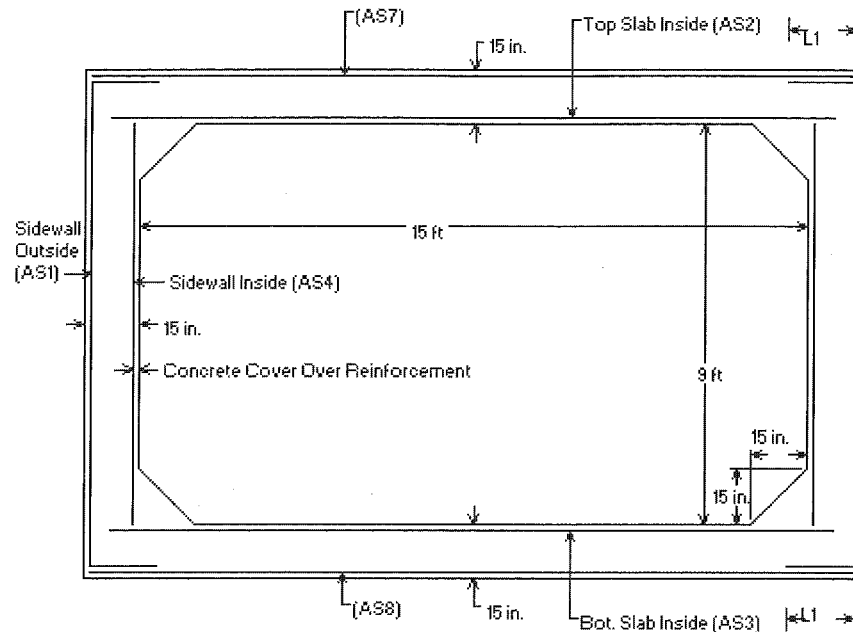
PE: J.H. ROSS

DRAWING: K. CARDWELL

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
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		

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:37:09 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R21

P1 BX2828-06BA48

BOX BASE 6inW, 6inF F/n

P3) 28" x 28" - CASTING HEIGHT - 5"

P2) 28" x 28" - GRADE RING 6"W F/F - 3"

P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48"

1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK

1) CASTING - JBS 3104-V SINGLE SET

2) 28" x 28" - Conseal CS-102 1.00"

2) Hole - 26

0 lb

205 lb

3558 lb

450 lb

250 lb

0 lb

0 lb

Structure Total: 4463 lb

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: 595.28'

Rim to Invert: 4.61'

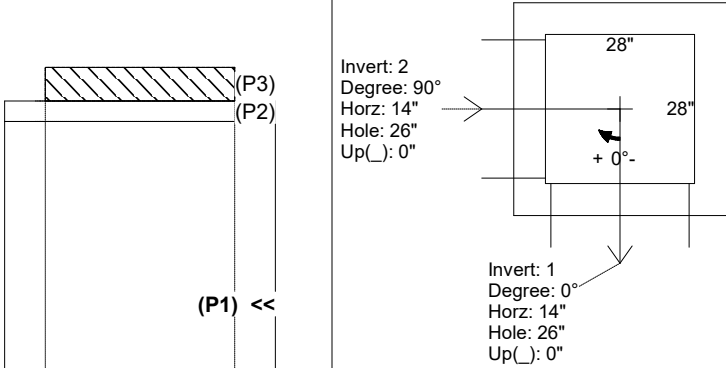
Slack: 1.82"

Sump: 2.5"

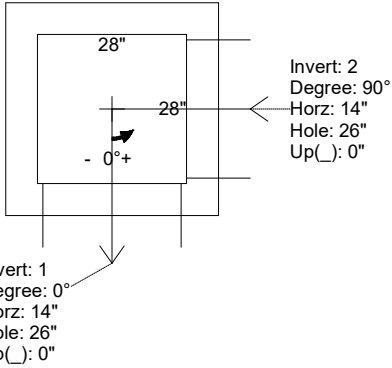
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	590.67'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2	590.67'	90°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

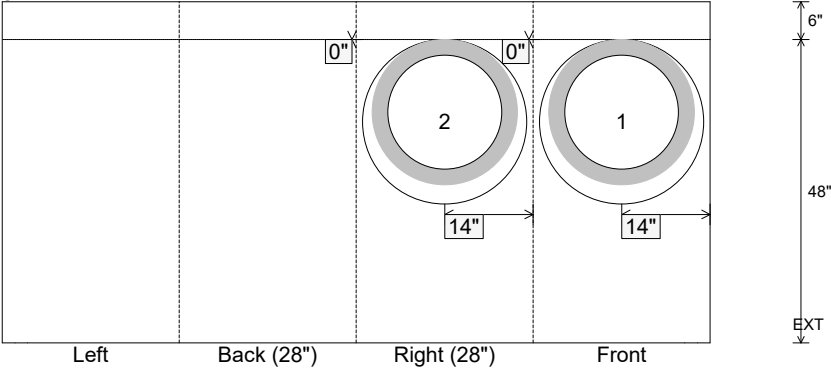
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 6"

Height (Int): 48"

Height (Ext): 54"

Weight (Net): 3558 lb

Volume (Net): 0.91cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:37:09 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R21

P1 BX2828-06BA48

BOX BASE 6inW, 6inF F/n

P3) 28" x 28" - CASTING HEIGHT - 5"

P2) 28" x 28" - GRADE RING 6"W F/F - 3"

P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48"

1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK

1) CASTING - JBS 3104-V SINGLE SET

2) 28" x 28" - Conseal CS-102 1.00"

2) Hole - 26"

0 lb

205 lb

3558 lb

450 lb

250 lb

0 lb

0 lb

Structure Total: 4463 lb

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: 595.28'

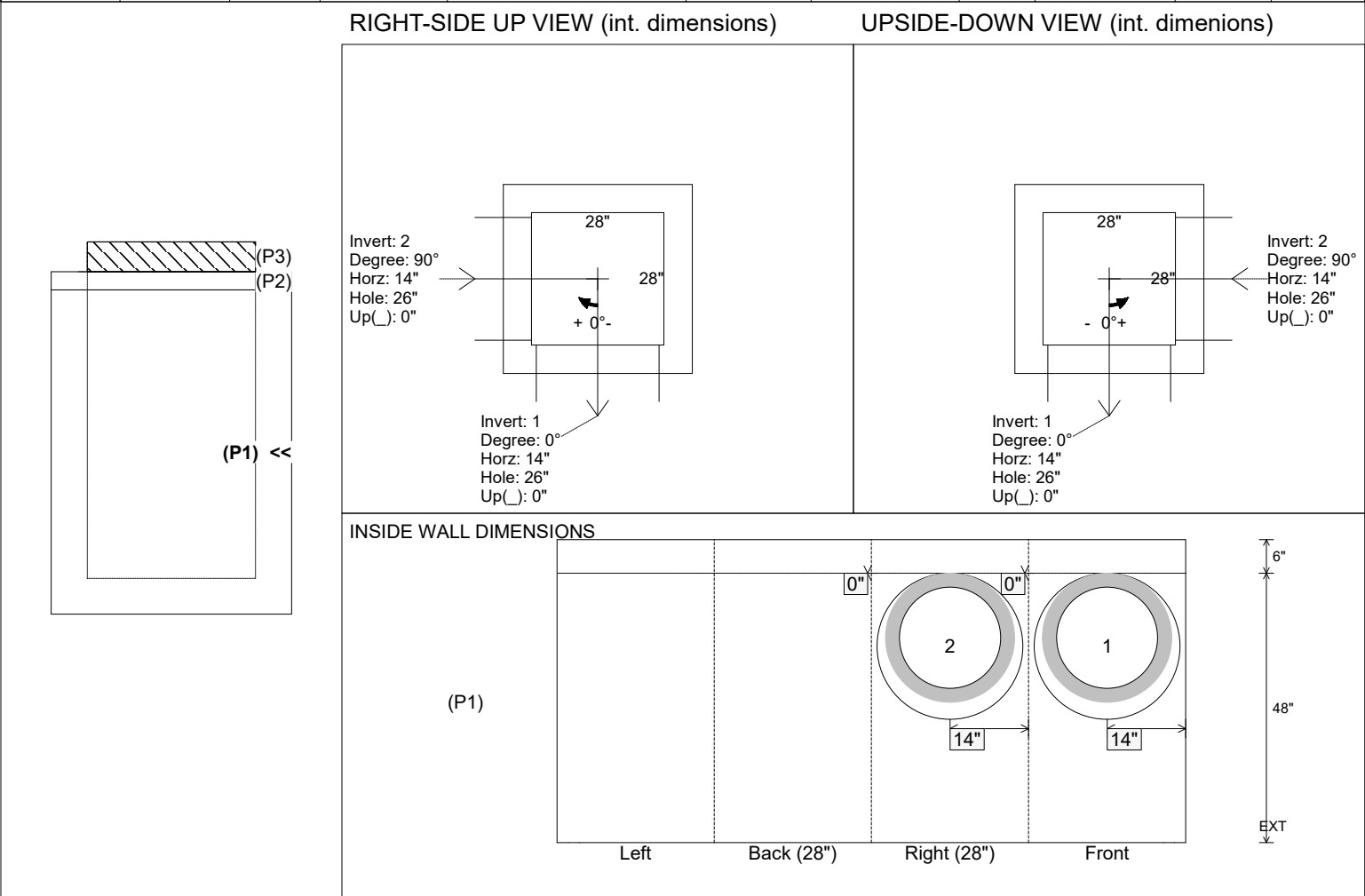
Rim to Invert: 4.61'

Slack: 1.82"

Sump: 2.5"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	590.67'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2	590.67'	90°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 6"

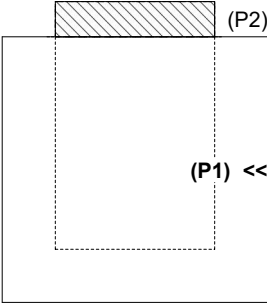
Height (Int): 48"

Height (Ext): 54"

Weight (Net): 3558 lb

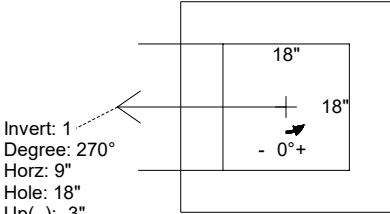
Volume (Net): 0.91cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/17/2026 5:40:48 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 129											
P1 BX1818-06BA24			BOX BASE 6inW, 6inF F/n								
P2) 18" x 18" - CASTING HEIGHT - 4" P1) 18" x 18" - BOX BASE 6inW, 6inF F/n - 24" 1) 18" x 18" - Conseal CS-102 1.00" 1) Hole - 18						0 lb 1517 lb 0 lb 0 lb ----- 1517 lb Structure Total:		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: 568.3'		Rim to Invert: 2.5'		Slack: 2"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	565.8'	270°	15"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



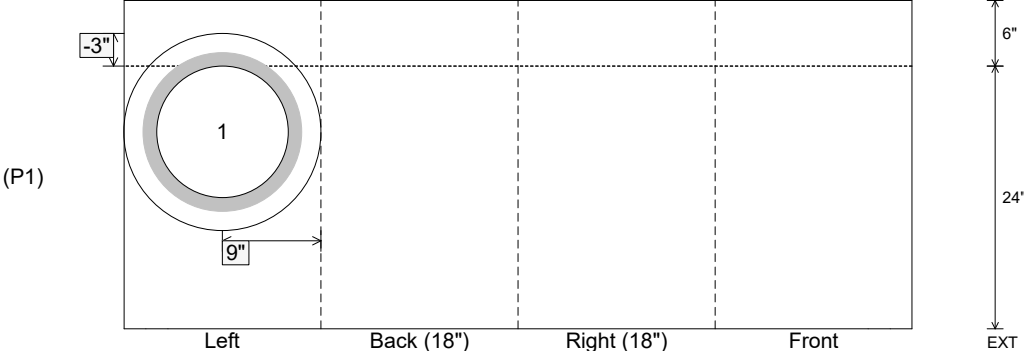
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



Invert: 1
Degree: 270°
Horz: 9"
Hole: 18"
Up(_): -3"

INSIDE WALL DIMENSIONS



(P1)

LeftBack (18")Right (18")Front

6"24"EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 1517 lb Volume (Net): 0.39cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 26-2748 ST Development Greystone Subdivision

Job Location: Madisonville, KY

Contractor: Steve Pleasant Excavating

Plant: 100

7/7/2026 7:54:36 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: 3B ST-CI

P1 BX2424-08BAVF

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

P2) 24" x 24" - CASTING HEIGHT - 3.50"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 39"

1) CASTING - HOE 410 F/G

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

2) Hole - 20

0 lb

4003 lb

228 lb

0 lb

0 lb

Structure Total: 4231 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

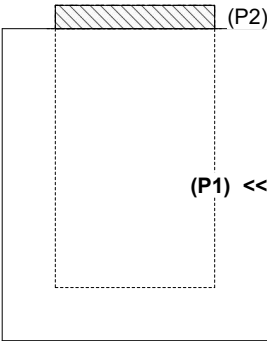
4. STORM INVERT BY OTHERS

5. HOE-410 FRAME & GRATE SUPPLIED BY ICAST

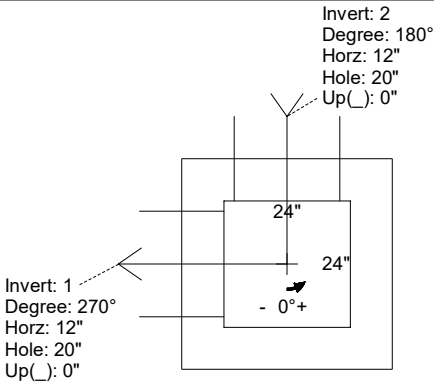
Rim: 433.56' Rim to Invert: 3.5' Slack: 0.75" Sump: 1.25" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	430.06'	270°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2	430.06'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

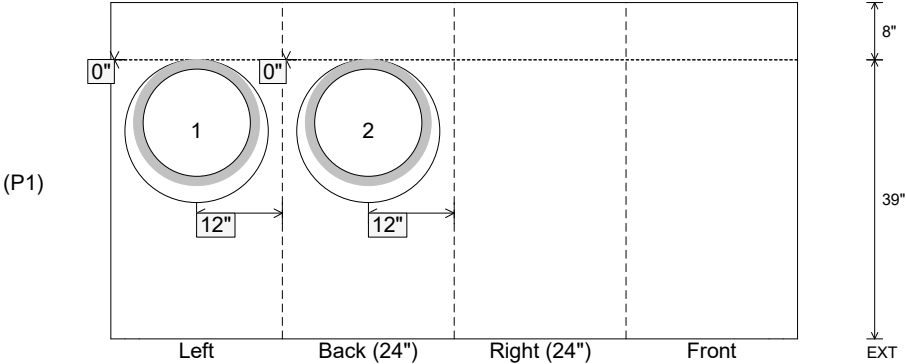
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 39"

Height (Ext): 47"

Weight (Net): 4003 lb

Volume (Net): 1.02cu.yd

Job Name: 26-2748 ST Development Greystone Subdivision

Job Location: Madisonville, KY

Contractor: Steve Pleasant Excavating

Plant: 100

7/7/2026 7:54:35 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: 3A ST-CI

P1 BX2424-08BAVF

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

P2) 24" x 24" - CASTING HEIGHT - 3.50"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 38"

1) CASTING - HOE 410 F/G

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

1) Hole - 20

0 lb

4128 lb

228 lb

0 lb

0 lb

Structure Total: 4356 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

4. STORM INVERT BY OTHERS

5. HOE-410 FRAME & GRATE SUPPLIED BY ICAST

Rim: 433.54'

Rim to Invert: 3.36'

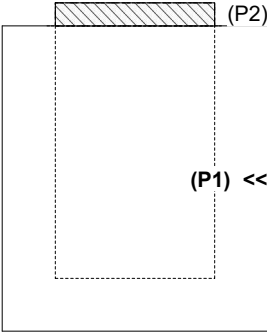
Slack: 0.07"

Sump: 1.25"

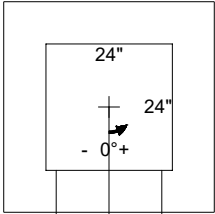
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	430.18'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

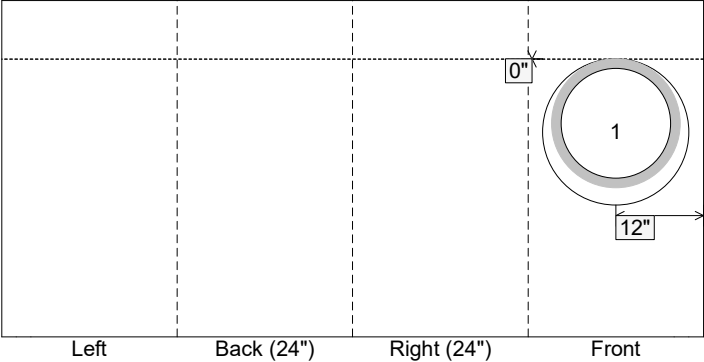


UPSIDE-DOWN VIEW (int. dimensions)



Invert: 1
Degree: 0°
Horz: 12"
Hole: 20"
Up(): 0"

INSIDE WALL DIMENSIONS



LeftBack (24")Right (24")Front

12"8"38"EXT

Coating (Int):

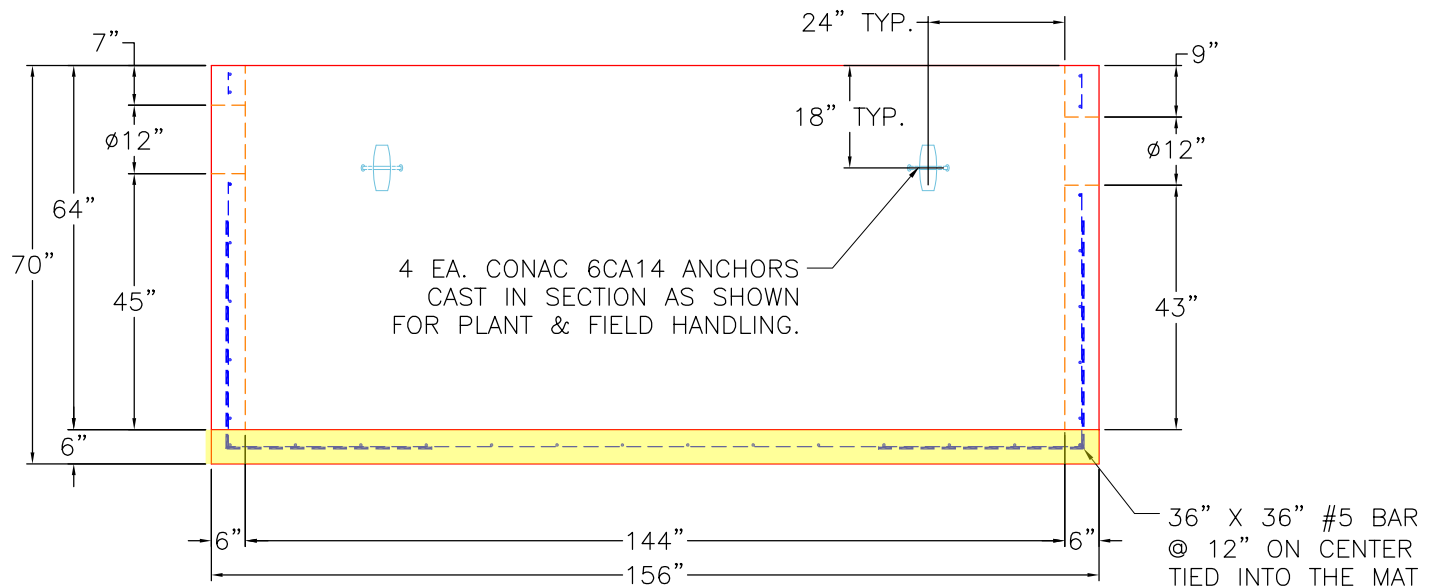
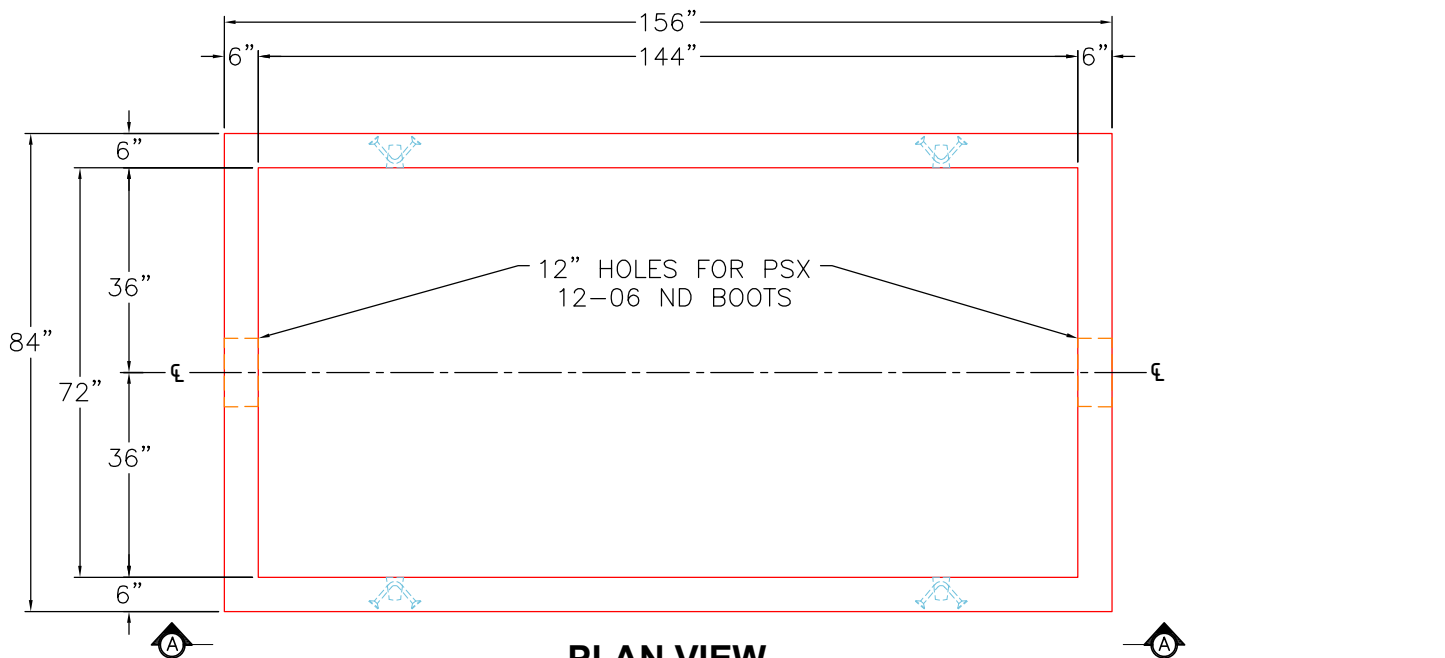
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 38"
Height (Ext): 46"

Weight (Net): 4128 lb
Volume (Net): 1.05cu.yd

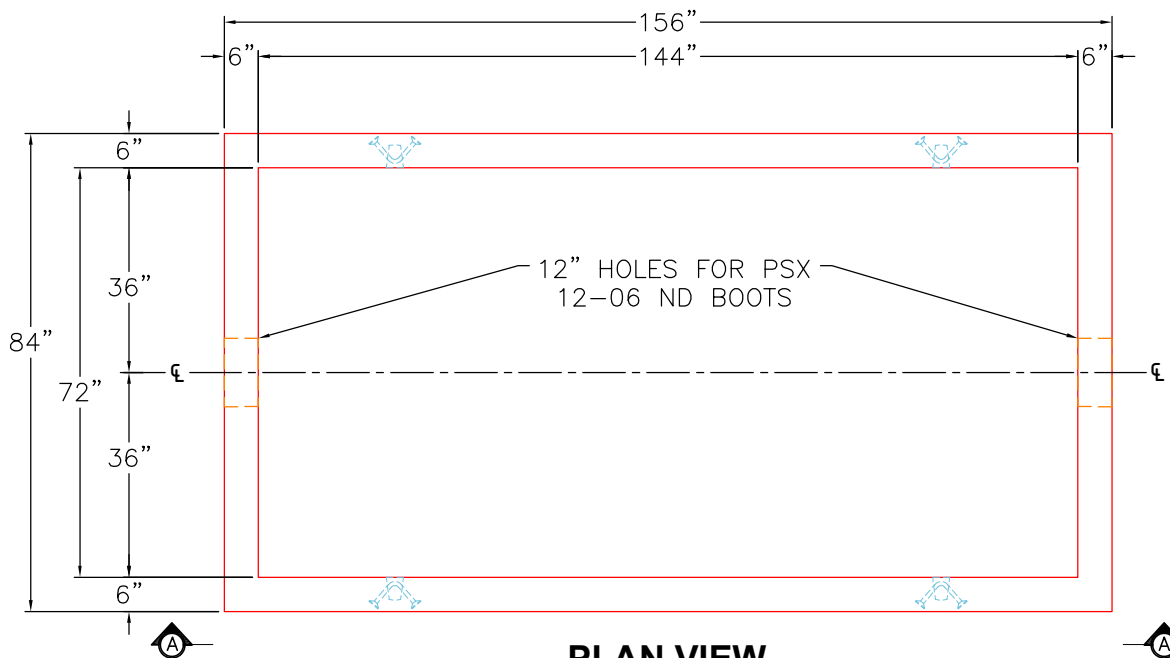


GENERAL NOTES:

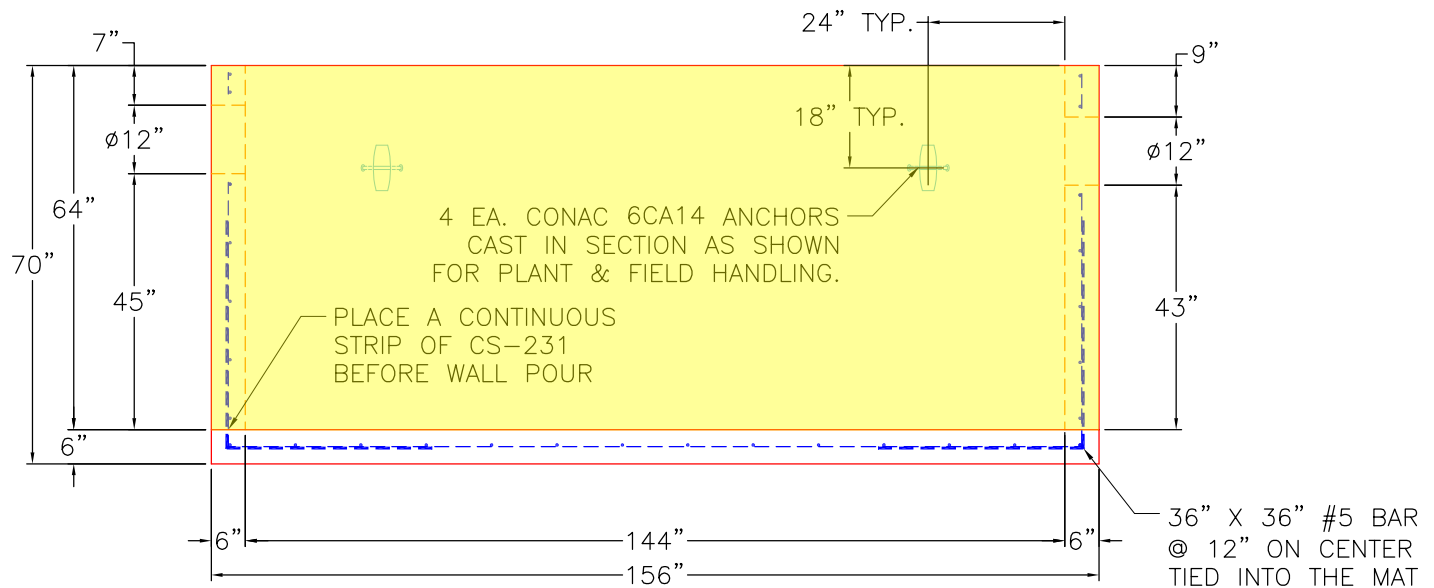
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: WALLS AND FLOOR #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHTS: TOTAL = 23,431 LBS
FIRST POUR = 6,598 LBS
SECOND POUR = 14,643 LBS
THIRD POUR = 2,190 LBS
5. ICAST TO PROVIDE 2X PSX 12-06 ND BOOTS
6. JOINT SEALANT TO BE CONSEAL CS-102, 1".

FIRST POUR DRAWING

PRODUCTION WORK ORDER		PRODUCT I.D.: BX072144-06W06F-VFFT	DESCRIPTION: 72" X 144" X 64" TALL 2,000 GAL GREASE TRAP BASE		
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CORE & MAIN LP		
	☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ HOLE LOCATION(S) CORRECT. ☐ REINFORCING CORRECT. ☐ BAFFLE POURED CORRECTLY. ☐ BOOTS & BANDS INSTALLED. ☐ SURFACE QUALITY ACCEPTABLE.	PLANT: BEAVER DAM, KY.	PROJECT: 2707 MEMORIAL BLVD GREASE TRAPS		
		WEIGHT: 23,431 LBS.	STRUCTURE: QL1 GT2000 (1)		
		TOP SECTION JOINT: N/A	ORDER NO: 26-2901		
		BASE SECTION JOINT: N/A	PC: T. LEWIS		DRAWING: S. FELLETTER
		QC CHECK INITIALS:	DATE: 07/07/26	SCALE: NTS	PG. 1 of 1



PLAN VIEW



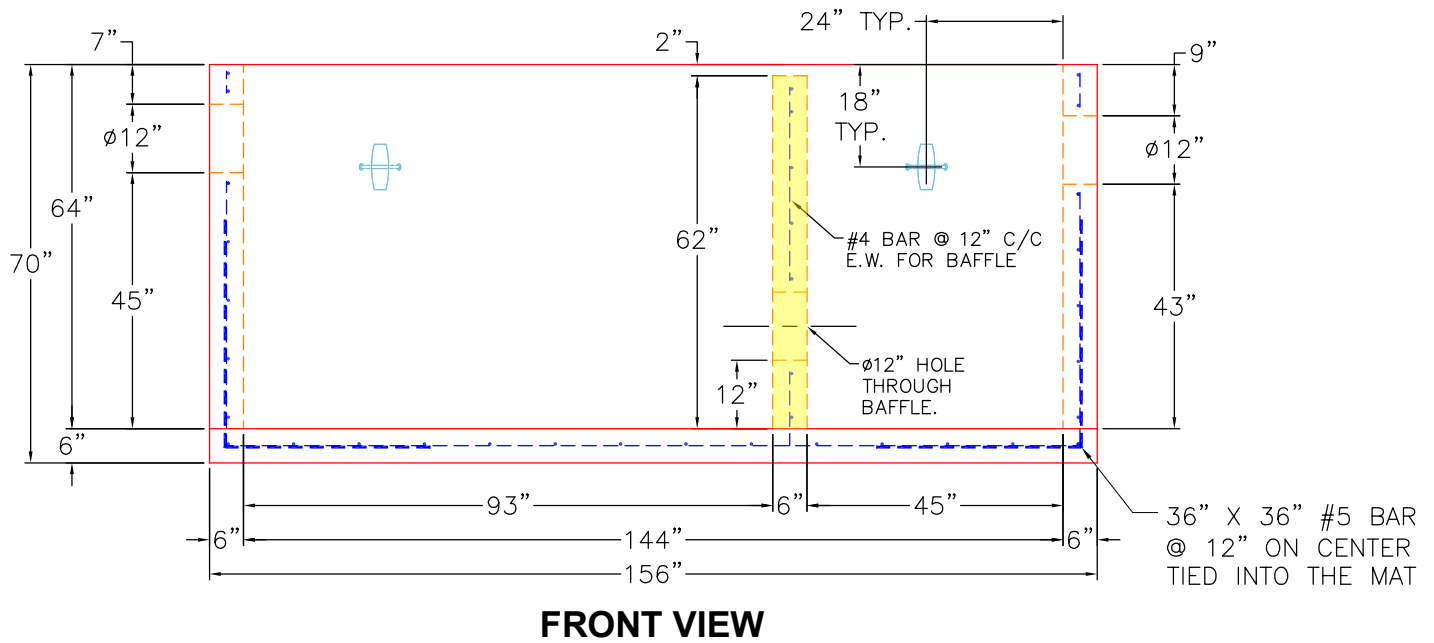
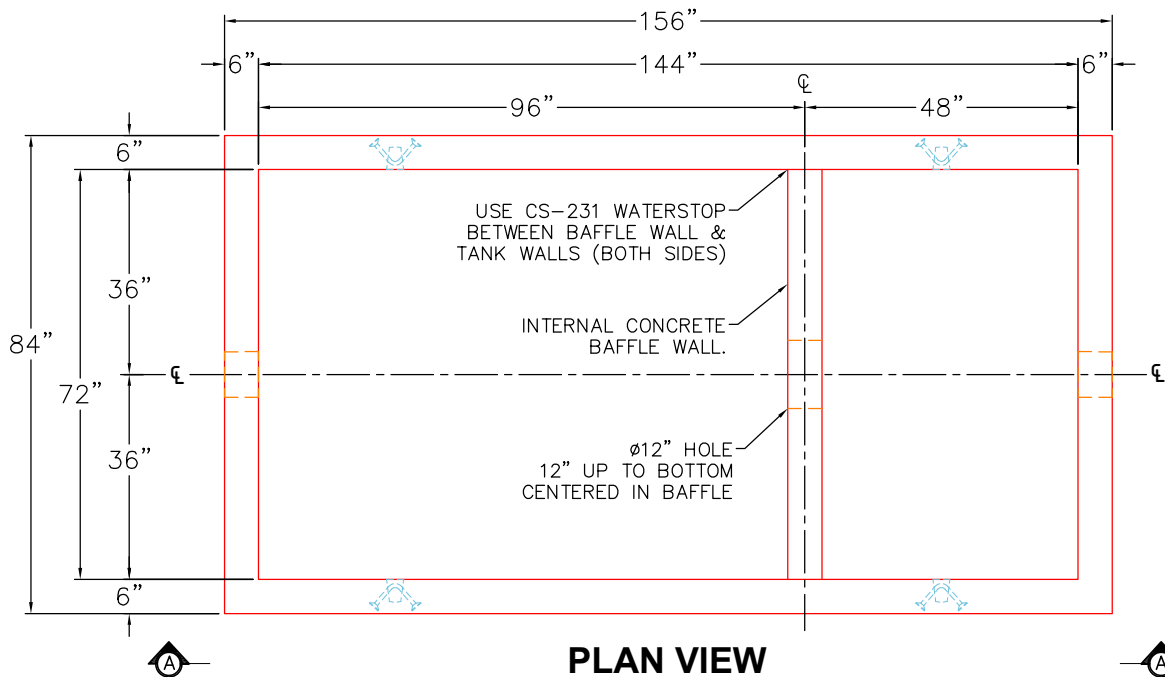
SECTION A-A

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: WALLS AND FLOOR #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHTS: TOTAL = 23,431 LBS
FIRST POUR = 6,598 LBS
SECOND POUR = 14,643 LBS
THIRD POUR = 2,190 LBS
5. ICAST TO PROVIDE 2X PSX 12-06 ND BOOTS
6. JOINT SEALANT TO BE CONSEAL CS-102, 1".

SECOND POUR DRAWING

PRODUCTION WORK ORDER		PRODUCT I.D.: BX072144-06W06F-VFFT	DESCRIPTION: 72" X 144" X 64" TALL 2,000 GAL GREASE TRAP BASE			
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ HOLE LOCATION(S) CORRECT. ☐ REINFORCING CORRECT. ☐ BAFFLE POURED CORRECTLY. ☐ BOOTS & BANDS INSTALLED. ☐ SURFACE QUALITY ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CORE & MAIN LP			
		PLANT: BEAVER DAM, KY.	PROJECT: 2707 MEMORIAL BLVD GREASE TRAPS			
		WEIGHT: 23,431 LBS.	STRUCTURE: QL1 GT2000 (1)			
		TOP SECTION JOINT: N/A	ORDER NO: 26-2901			
		BASE SECTION JOINT: N/A	PC: T. LEWIS		DRAWING: S. FELLETTER	
		QC CHECK INITIALS:	DATE: 07/07/26		SCALE: NTS	PG. 1 of 1



GENERAL NOTES:

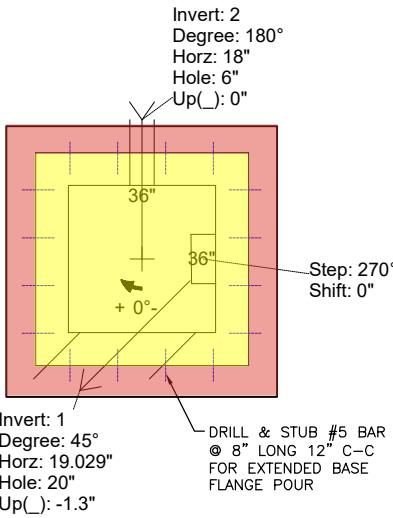
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: WALLS AND FLOOR #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHTS: TOTAL = 23,431 LBS
FIRST POUR = 6,598 LBS
SECOND POUR = 14,643 LBS
THIRD POUR = 2,190 LBS
5. ICAST TO PROVIDE 2X PSX 12-06 ND BOOTS
6. JOINT SEALANT TO BE CONSEAL CS-102, 1".

THIRD POUR DRAWING

PRODUCTION WORK ORDER		PRODUCT I.D.: BX072144-06W06F-VFFT	DESCRIPTION: 72" X 144" X 64" TALL 2,000 GAL GREASE TRAP BASE		
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CORE & MAIN LP		
	☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ HOLE LOCATION(S) CORRECT. ☐ REINFORCING CORRECT. ☐ BAFFLE POURED CORRECTLY. ☐ BOOTS & BANDS INSTALLED. ☐ SURFACE QUALITY ACCEPTABLE.	PLANT: BEAVER DAM, KY.	PROJECT: 2707 MEMORIAL BLVD GREASE TRAPS		
		WEIGHT: 23,431 LBS.	STRUCTURE: QL1 GT2000 (1)		
		TOP SECTION JOINT: N/A	ORDER NO: 26-2901		
		BASE SECTION JOINT: N/A	PC: T. LEWIS		DRAWING: S. FELLETTTER
		QC CHECK INITIALS:	DATE: 07/07/26	SCALE: NTS	PG. 1 of 1

Job Name: 23-2309 - Richland Estates Subdivision Job Location: Portland, TN Contractor: Core & Main LP (BG)					Plant: 100 6/30/2026 8:52:13 AM		Tech: J. Horsley PC: T. Lewis				
Structure ID: 16 ST-OCS DTN POND1											
P1 BX3636-08BAVF-EB				BX BASE w/FLANGE 08W/08F/08EF							
P2) 36" x 36" - CASTING HEIGHT - 3" P1) 36" x 36" - BX BASE w/FLANGE 08W/08F/08EF - 55" 1) SECONDARY POUR - EXT. FLANGE 1) 36" x 36" - Conseal CS-102 1.00" 1) Hole - 20 1) Hole - 6 5) MH Step ML-10-TDS-NCR - 10"						0 lb 9285 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 9285 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,500 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY OTHERS (LFG-48 TRASH RACK). REINFORCING PER ASTM A615 (GRADE 60). - WALLS = #4 BARS AT 12" C.C.E.W. - FLOOR = #4 BARS AT 12" C.C.E.W.			
Rim: 806.5'		Rim to Invert: 4.84'		Slack: 0.08"		Sump: 0"		Step Position: 270°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	801.66'	45°	35.029"	15" HDPE	17.6"	Hole 20	20"	28.284"	-1.3"	-12"	
Invert 2	801.66'	180°	26"	6" Orifice	6"	Hole 6	6"	6"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 180°
Horz: 18"
Hole: 6"
Up(): 0"

Invert: 1
Degree: 45°
Horz: 19.029"
Hole: 20"
Up(): -1.3"

Step: 270°
Shift: 0"

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

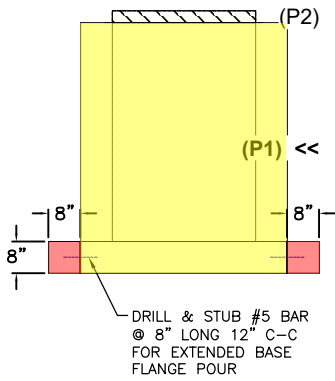
FIRST POUR DRAWING

WEIGHTS:

FIRST POUR: 7,996 LBS

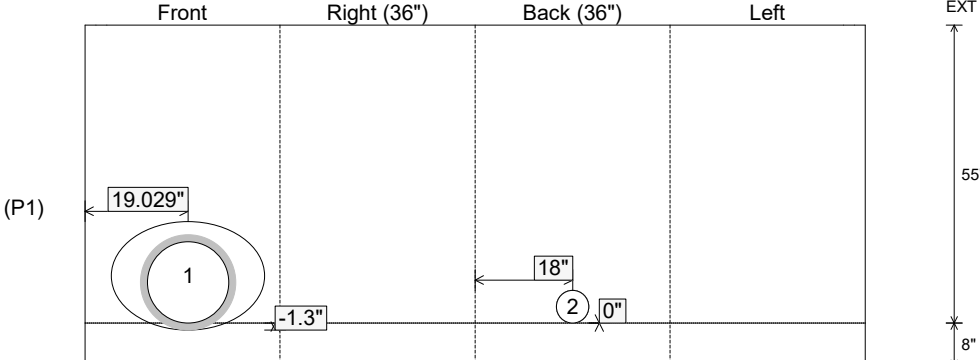
SECOND POUR: 1,289 LBS

TOTAL: 9,285 LBS



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

INSIDE WALL DIMENSIONS



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

EXT 55" 8"

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 55" Height (Ext): 63"	Weight (Net): 9285 lb Volume (Net): 2.37cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 23-2309 - Richland Estates Subdivision

Job Location: Portland, TN

Contractor: Core & Main LP (BG)

Plant: 100

6/30/2026 8:52:13 AM

Tech: J. Horsley

PC: T. Lewis



Structure ID: 16 ST-OCS DTN POND1

P1 BX3636-08BAVF-EB

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

P2) 36" x 36" - CASTING HEIGHT - 3"

P1) 36" x 36" - BX BASE w/FLANGE 08W/08F/08EF - 55"

1) SECONDARY POUR - EXT. FLANGE

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

1) Hole - 20

1) Hole - 6

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

0 lb

9285 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 9285 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO INVERT CHANNEL.

4. CASTING BY OTHERS (LFG-48 TRASH RACK).

REINFORCING PER ASTM A615 (GRADE 60).

- WALLS = #4 BARS AT 12" C.C.E.W.

- FLOOR = #4 BARS AT 12" C.C.E.W.

Rim: 806.5'

Rim to Invert: 4.84'

Slack: 0.08"

Sump: 0"

Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	801.66'	45°	35.029"	15" HDPE	17.6"	Hole 20	20"	28.284"	-1.3"	-12"
Invert 2	801.66'	180°	26"	6" Orifice	6"	Hole 6	6"	6"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2

Degree: 180°

Horz: 18"

Hole: 6"

Up(): 0"

36"

36"

Step: 270°

Shift: 0"

Invert: 1

Degree: 45°

Horz: 19.029"

Hole: 20"

Up(): -1.3"

DRILL & STUB #5 BAR

⊙ 8" LONG 12" C-C

FOR EXTENDED BASE

FLANGE POUR

SECOND POUR DRAWING

WEIGHTS:

FIRST POUR: 7,996 LBS

SECOND POUR: 1,289 LBS

TOTAL: 9,285 LBS

8"

8"

8"

8"

(P2)

(P1) <<

DRILL & STUB #5 BAR

⊙ 8" LONG 12" C-C

FOR EXTENDED BASE

FLANGE POUR

INSIDE WALL DIMENSIONS

Front

Right (36")

Back (36")

Left

19.029"

1

-1.3"

18"

2

0"

EXT

55"

8"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 55"

Height (Ext): 63"

Weight (Net): 9285 lb

Volume (Net): 2.37cu.yd

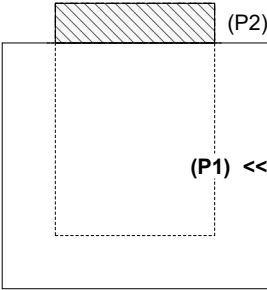
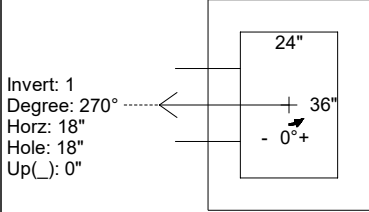
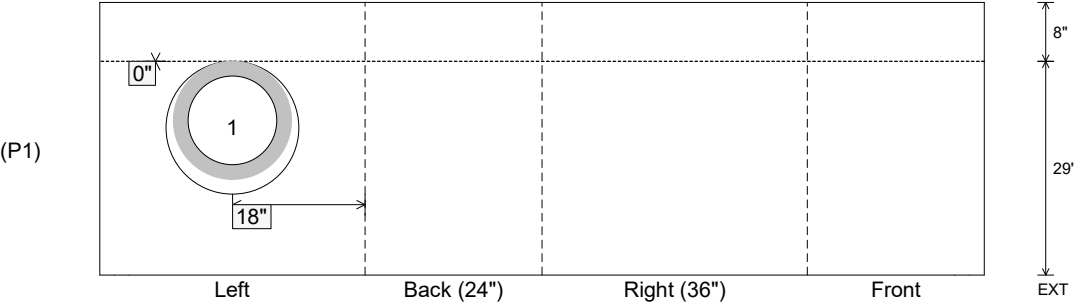
Job Name: 23-2309 - Richland Estates Subdivision Job Location: Portland, TN Contractor: Core & Main LP (BG)					Plant: 100		Tech: J. Horsley			
					6/30/2026 8:52:10 AM		PC: T. Lewis			
Structure ID: 08 ST-SCI P1 BX2424-08BAVF BOX BASE 8inW, 8inF, Variable Ht										
P2) 24" x 24" - CASTING HEIGHT - 6" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 29" 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 22"					0 lb 3056 lb 0 lb 0 lb ----- Structure Total: 3056 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: 806.34' Rim to Invert: 3.08' Slack: 1.96" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	803.26'	90°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2	803.26'	180°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

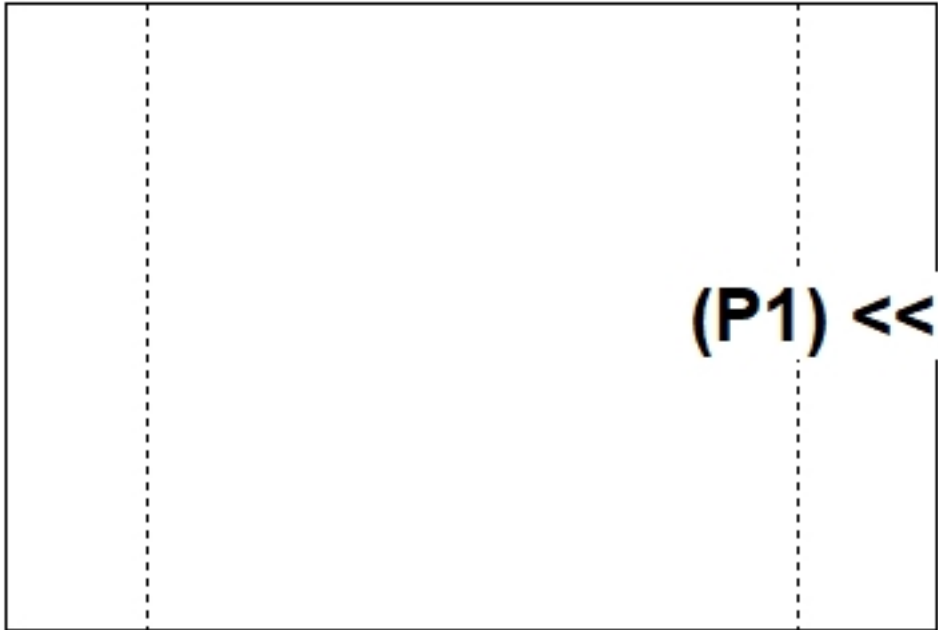
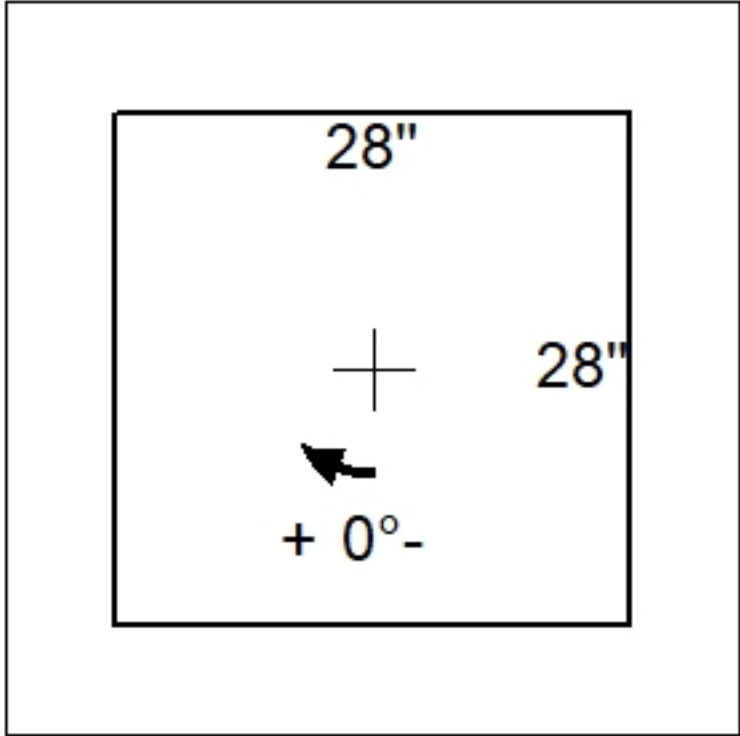
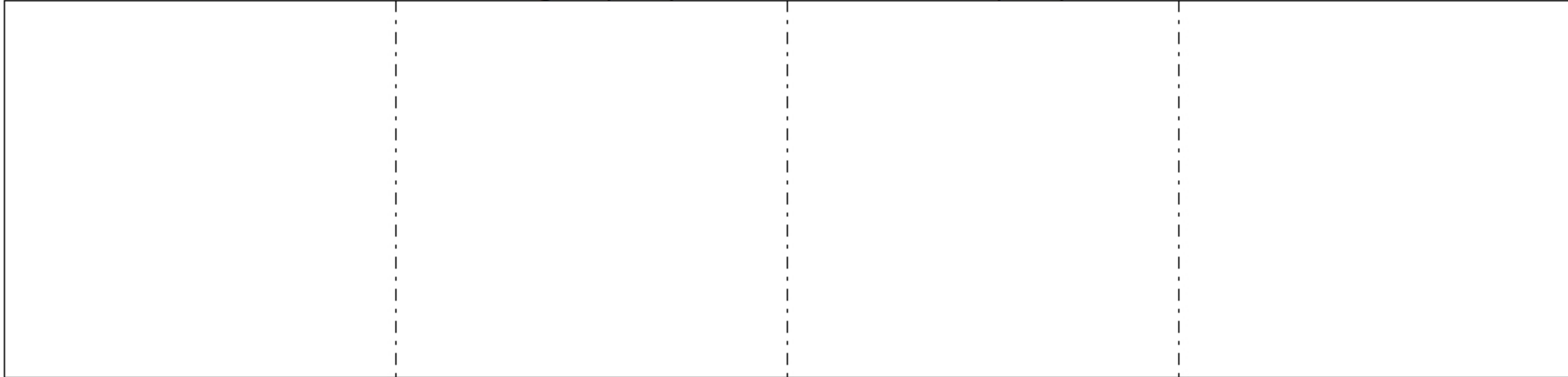
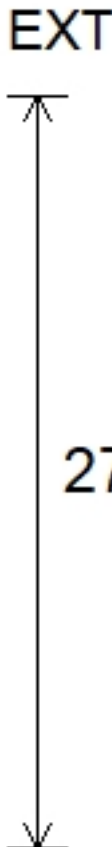
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 29" Height (Ext): 37"	Weight (Net): 3056 lb Volume (Net): 0.78cu.yd
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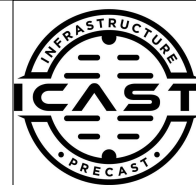
Job Name: 26-2104 - Jeffersonville High School Parking Lot Job Location: Jeffersonville, IN Contractor: Mac Construction & Excavating, Inc.					Plant: 100 6/27/2026 7:12:45 PM		Tech: Jared - A PC: T. Lewis				
Structure ID: 17 ST-CI											
P1 BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n									
P2) 24" x 36" - CASTING HEIGHT - 6" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 29" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 18					0 lb 4185 lb 0 lb 0 lb ----- 4185 lb Structure Total:		<u>Structure Notes:</u> 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. STORM INVERT BY OTHERS 5. HOE 525 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS				
Rim: 482.49' Rim to Invert: 2.87' Slack: 1.44" Sump: 2" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	479.62'	270°	26"	12" RCP B WALL	16"	Hole 18	18"	18"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)   INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 29" Height (Ext): 37"		Weight (Net): 4185 lb Volume (Net): 1.07cu.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: D4.2											
P1		BX2828-06R-VH			BOX RISER 6inW, Variable Ht F/F						
P1) 28" x 28" - BOX RISER 6inW, Variable Ht F/F - 27"							1849 lb ----- 1849 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.		
Structure Total:											
Rim: 2.25'		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	
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 27" Height (Ext): 27"		Weight (Net): 1849 lb Volume (Net): 0.47cu.yd	

Job Name: 25-3062 Portland Bypass
 Job Location: Portland, TN
 Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam
 6/1/2026 8:22:54 AM

Tech: J. Coppage
 PC: C. Goff



Structure ID: CB-19

P1 BX3648-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 28" x 34" - CASTING HEIGHT - 7"
 P2) 36" x 48" - BX FLAT LID 8"W - TDOT 12P (28"x34" Hole) - 10"
 P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 40"
 1) CASTING - JBS-3123 MODIFIED SET
 1) 36" x 48" - Conseal CS-102 1.00"
 1) 28" x 34" - Conseal CS-102 1.00"
 1) Hole - 32
 2) Hole - 25
 1) Hole - 8

- 0 lb
 2044 lb
 6574 lb
 250 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 8867 lb
- Structure Notes:**
 1. PER TDOT D-CB-12S / ASTM C913 SPEC'S.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. JBS 3123 MOD SINGLE SET BY ICAST
 5. REINFORCING PER ASTM A615 (GRADE 60).
 ** SEE TDOT STD DRAWING D-CB-12S **
 - TOP SLAB - DBL MAT #5 BARS.
 - WALLS (As .47) #5 BARS AT 8" C.C.E.W.
 - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

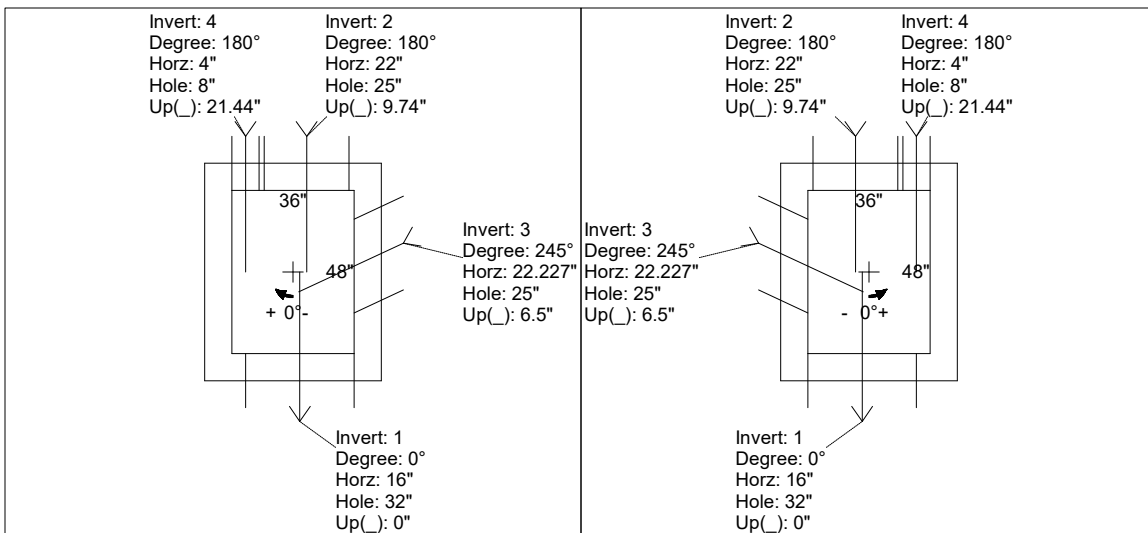
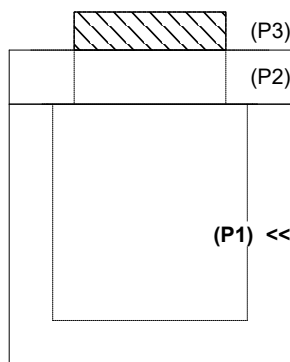
Structure Total:

Rim: 788.39' Rim to Invert: 4.57' Slack: 0.84" Sump: 3" Step Position:

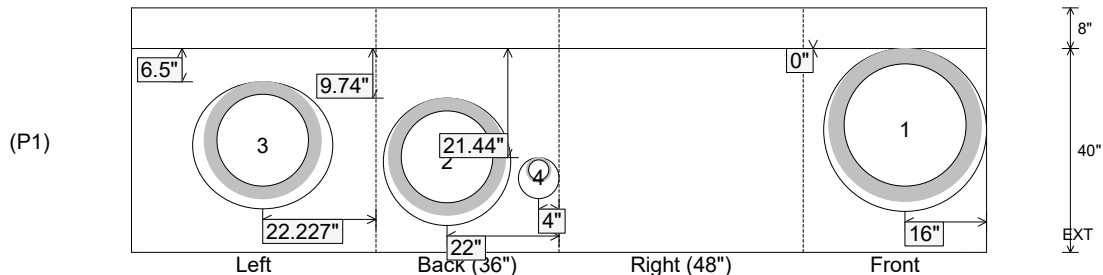
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	783.82'	0°	24"	24" RCP B WALL	30"	Hole 32	32"	32"	0"	-2"
Invert 2	784.59'	180°	30"	18" RCP B WALL	23"	Hole 25	25"	25"	9.74"	4"
Invert 3	784.32'	245°	26.496"	18" RCP B WALL	23"	Hole 25	25"	27.584"	6.5"	6"
Invert 4	785.39'	180°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.44"	-14"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



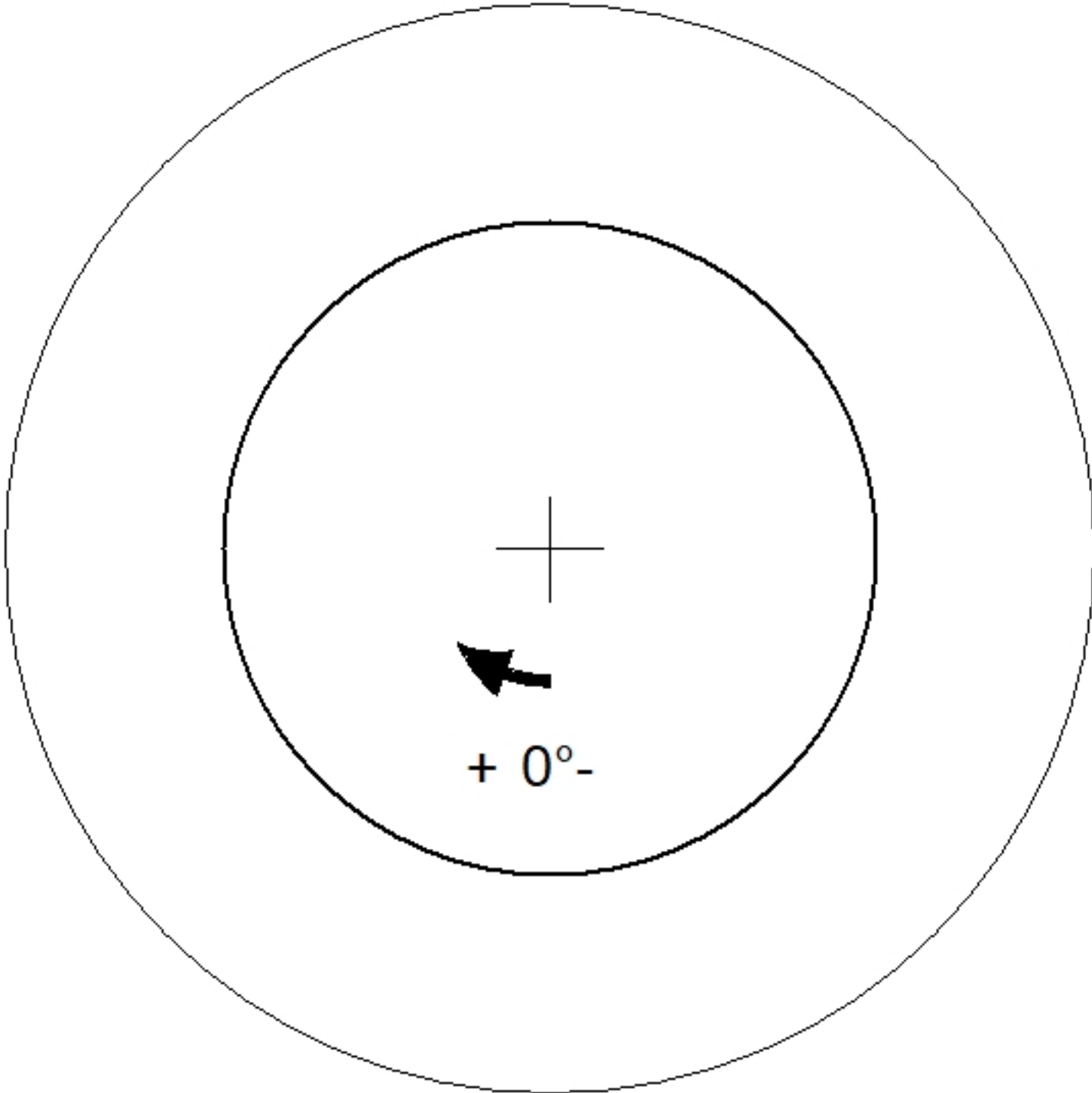
Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 40"
 Height (Ext): 48"

Weight (Net): 6574 lb
 Volume (Net): 1.68cu.yd

Job Name: 25-4488 - WVDOT Wood Co NHPP-0068(192) Job Location: Parkersburg, WV Contractor: Triton Construction		Plant: 100 4/3/2026 11:05:55 AM	Tech: Jared - F PC: E. Bradley		
Structure ID: MH-04					
P4 GR3		GRADE RING			
P5) 24" - CASTING HEIGHT - 8.85" P4) 24" - GRADE RING - 3" P3) 60" - MH FLAT TOP w/ 24" ECC Hole - 8" P2) 60" - MH RISER - 12" P1) 60" - MH BASE - 72" 1) CASTING - NEENAH R-1785 (F/C) 2) 60" - Conseal CS-102 1.00" 2) Hole - 40 1) Hole - 24 7) MH Step ML-10-TDS-NCR - 10"		0 lb 202 lb 2429 lb 1253 lb 8653 lb 294 lb 0 lb 0 lb 0 lb 0 lb ----- 12832 lb Structure Total:	Structure Notes: **WVDOT STATE PROJECT** 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. INVERT CHANNEL (BY OTHERS). 4. CASTING BY I-CAST (NEENAH R-1785 (F/C)). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.		
					
24" - GRADE RING - 3" - (P4)					
Coating (Int): Coating (Ext):		Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 3"	Weight (Net): 202 lb Volume (Net): 0.05cu.yd

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

Plant: Beaver Dam

6/9/2026 10:40:23 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R18

P3 GR28x28x8x3

GRADE RING F/F

P4) 28" x 28" - CASTING HEIGHT - 5"
P3) 28" x 28" - GRADE RING F/F - 3"
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"
P1) 48" - MH BASE T/n - 60"
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT
1) CASTING - JBS 3104-V SINGLE SET
1) 48" - Conseal CS-102 1.00"
2) 28" x 28" - Conseal CS-102 1.00"
3) Hole - 26
5) MH Step ML-10-TDS-NCR - 10"

0 lb
290 lb
1368 lb
4822 lb
1075 lb
250 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 7805 lb

Structure Notes:

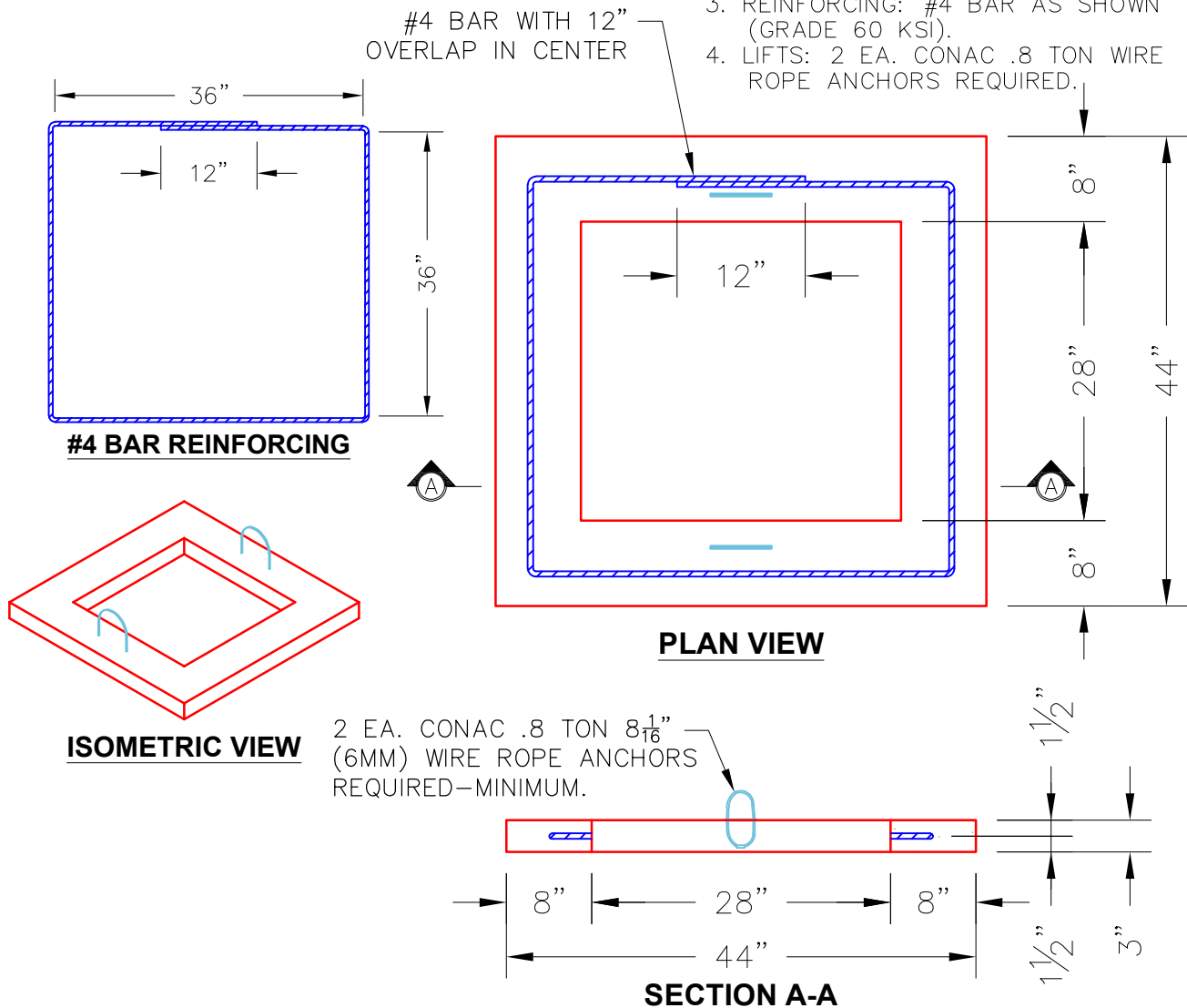
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

REINFORCING PER ASTM A615 (GRADE 60).

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

NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE = 4,000 PSI @ 28 DAYS.
3. REINFORCING: #4 BAR AS SHOWN (GRADE 60 KSI).
4. LIFTS: 2 EA. CONAC .8 TON WIRE ROPE ANCHORS REQUIRED.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 3"

Weight (Net): 290 lb
Volume (Net): 0.07cu.yd

Job Name: 26-2748 ST Development Greystone Subdivision

Job Location: Madisonville, KY

Contractor: Steve Pleasant Excavating

Plant: 100

7/7/2026 7:54:37 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: 5B ST-CI

P1 BX2424-08BAVF

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

P2) 24" x 24" - CASTING HEIGHT - 3.50"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 38"

1) CASTING - HOE 410 F/G

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

2) Hole - 20

0 lb

3917 lb

228 lb

0 lb

0 lb

Structure Total: 4145 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

4. STORM INVERT BY OTHERS

5. HOE-410 FRAME & GRATE SUPPLIED BY ICAST

Rim: 430.03'

Rim to Invert: 3.38'

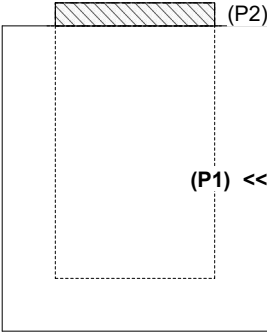
Slack: 0.31"

Sump: 1.25"

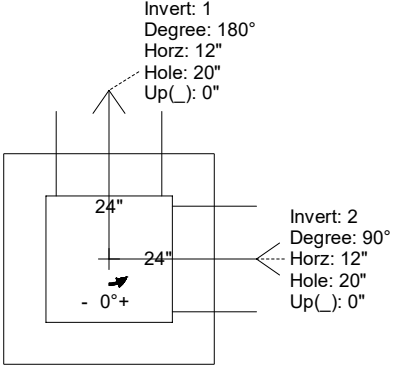
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	426.65'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2	426.65'	90°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

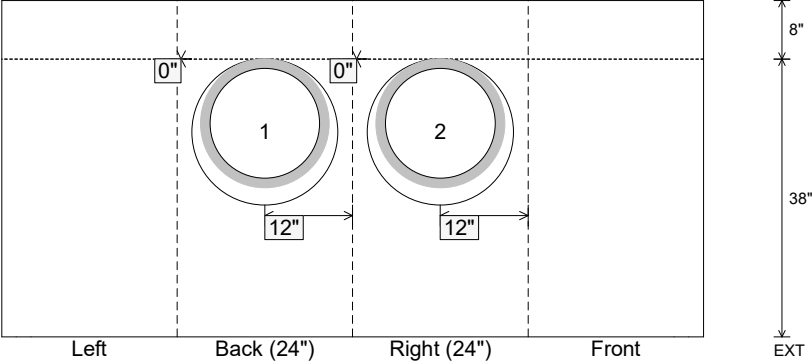
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 38"

Height (Ext): 46"

Weight (Net): 3917 lb

Volume (Net): 1cu.yd

Job Name: 26-2748 ST Development Greystone Subdivision

Job Location: Madisonville, KY

Contractor: Steve Pleasant Excavating

Plant: 100

7/7/2026 7:54:37 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: 5A ST-CI

P1 BX2424-08BA36

BOX BASE 8inW, 8inF F/n

P2) 24" x 24" - CASTING HEIGHT - 3.50"

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

1) CASTING - HOE 410 F/G

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

1) Hole - 20

0 lb

3957 lb

228 lb

0 lb

0 lb

Structure Total: 4185 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

4. STORM INVERT BY OTHERS

5. HOE-410 FRAME & GRATE SUPPLIED BY ICAST

Rim: 430.03'

Rim to Invert: 3.25'

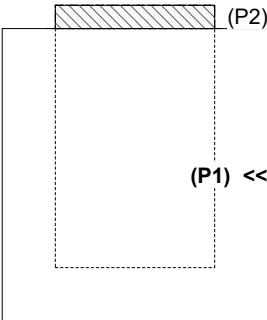
Slack: 0.75"

Sump: 1.25"

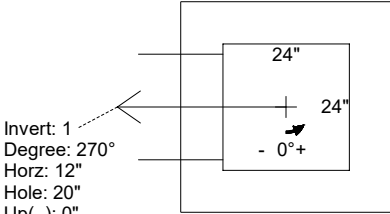
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	426.78'	270°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

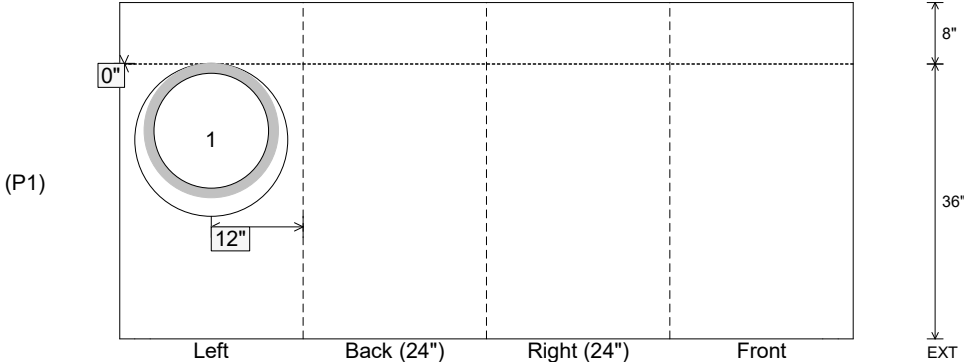
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 36"

Height (Ext): 44"

Weight (Net): 3957 lb

Volume (Net): 1.01cu.yd

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 9:44:29 AM

PC: T. Lewis



Structure ID: GT 1

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

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

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

22918 lb

Structure Total:

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'

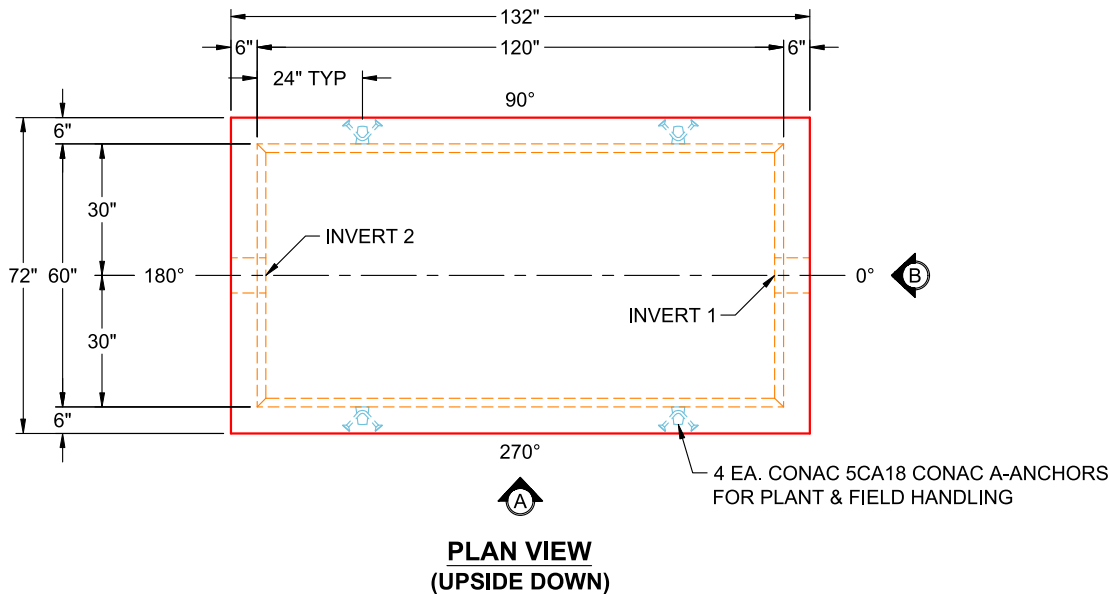
Rim to Invert: 2.667'

Slack: 0"

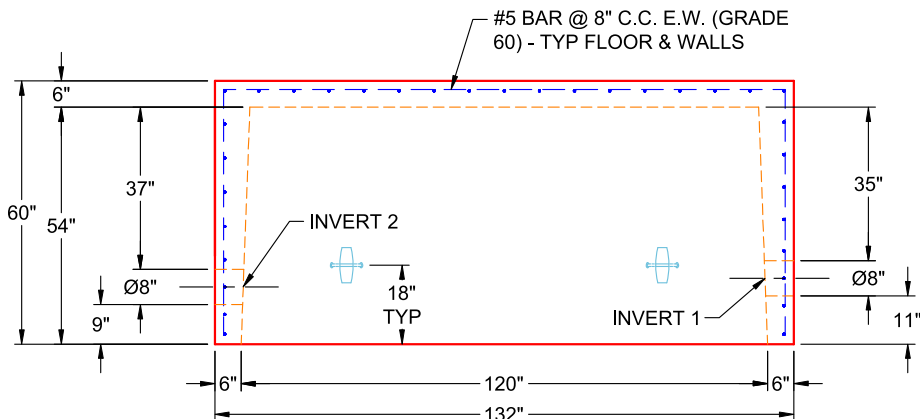
Sump: 37"

Step Position:

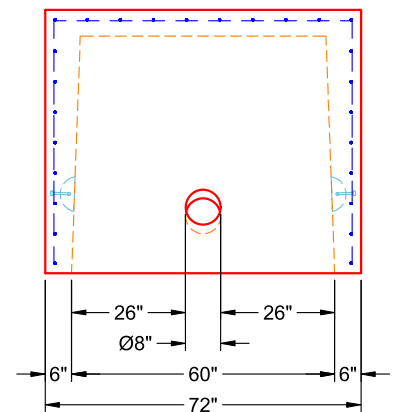
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



**PLAN VIEW
(UPSIDE DOWN)**



**VIEW A
(UPSIDE DOWN)**



**VIEW B
(UPSIDE DOWN)**

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 9:44:29 AM

PC: T. Lewis



Structure ID: GT 1

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

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

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

22918 lb

Structure Total:

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'

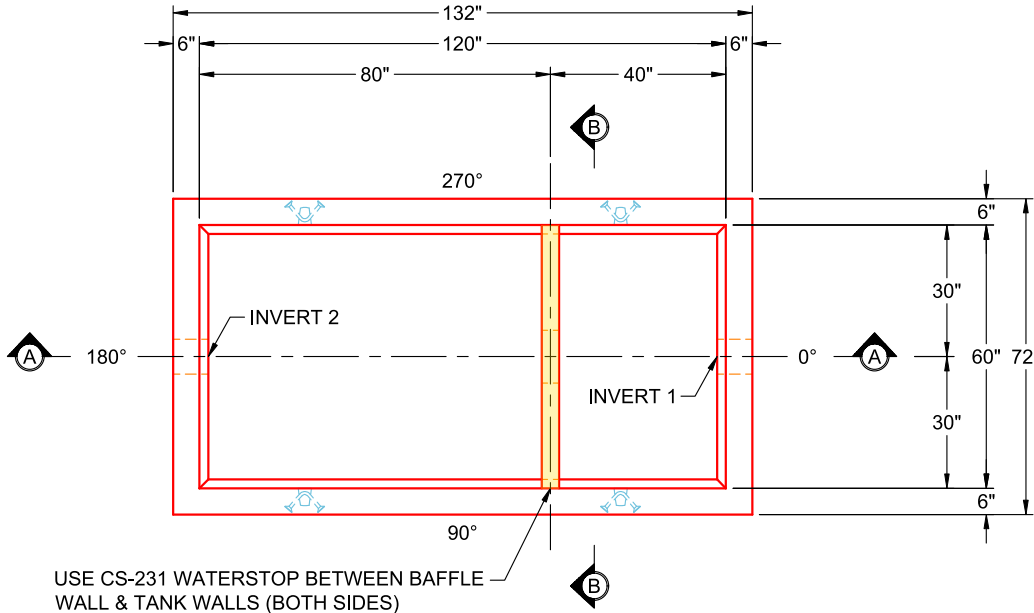
Rim to Invert: 2.667'

Slack: 0"

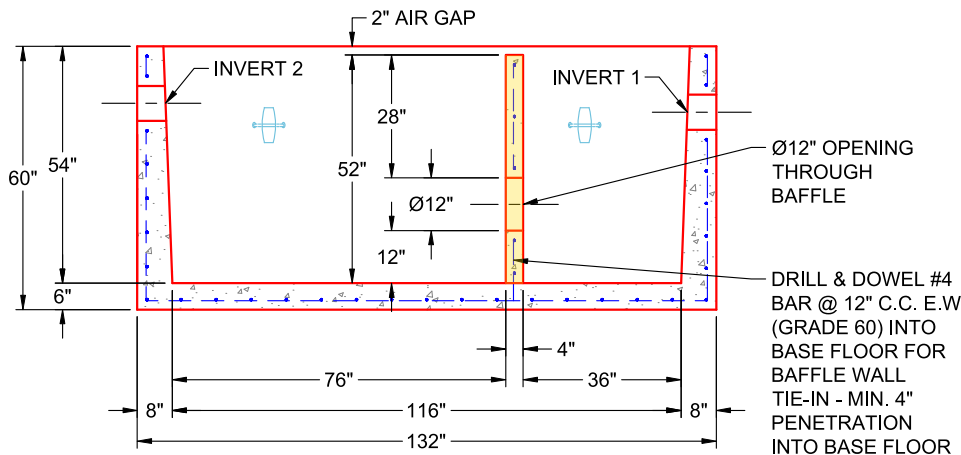
Sump: 37"

Step Position:

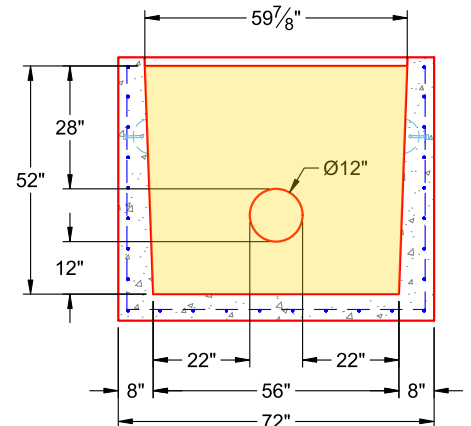
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



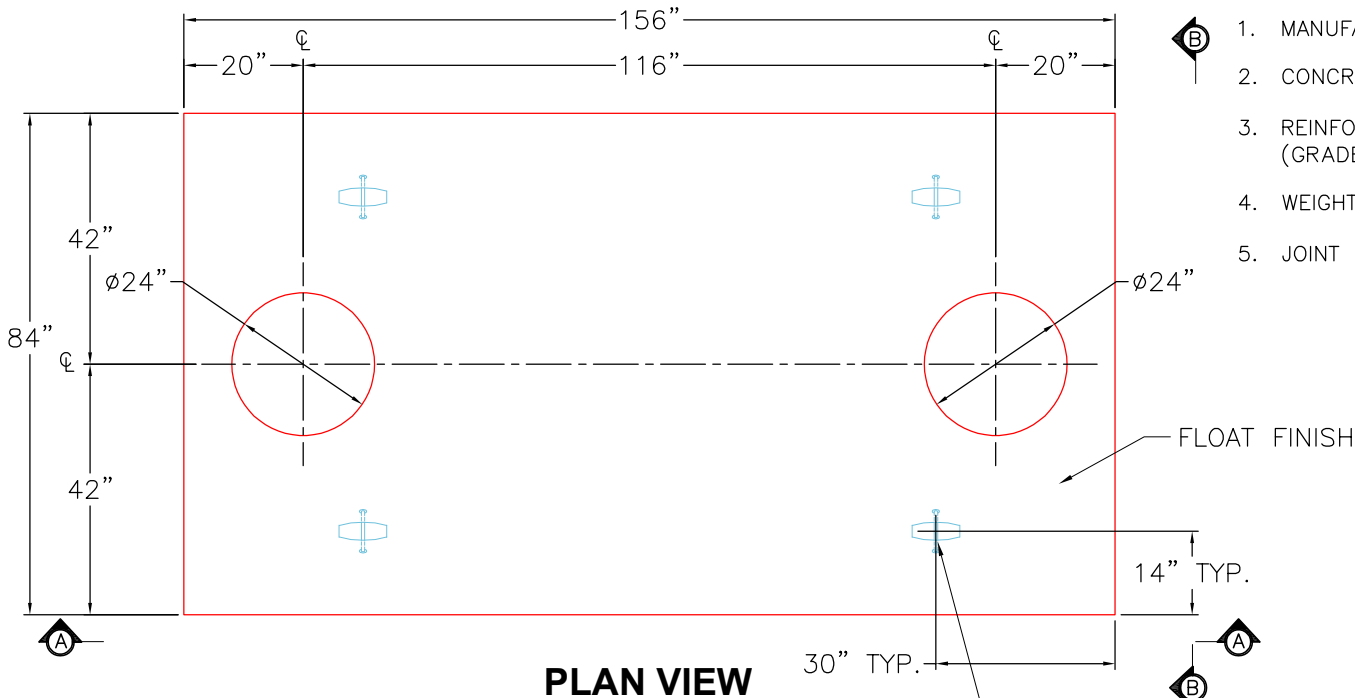
**PLAN VIEW
(RIGHT SIDE UP)**



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



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



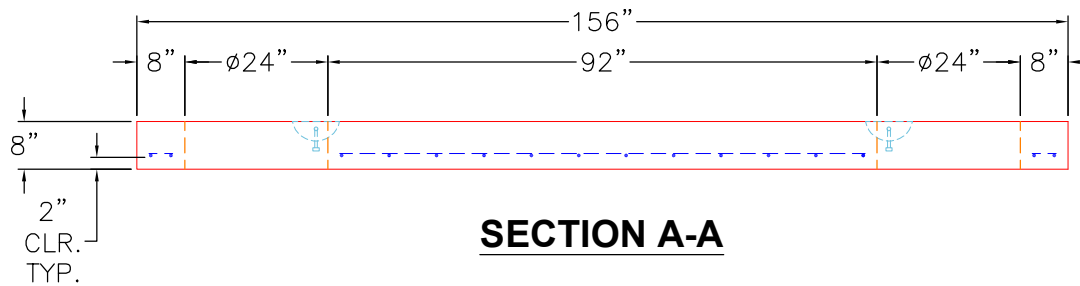
GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: TOP SLAB #5 BAR @ 8" E.W. O.C. (GRADE 60).
4. WEIGHT: TOP SLAB = 8,195 LBS
5. JOINT SEALANT TO BE CONSEAL CS-102, 1".

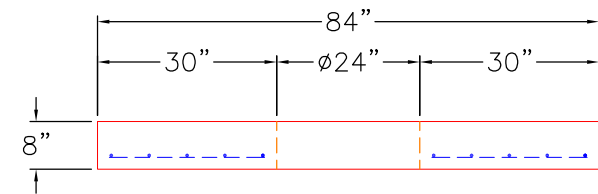
FLOAT FINISH

4 EA. CONAC 5CA14 ANCHORS
CAST IN SECTION AS SHOWN
FOR PLANT & FIELD HANDLING.

SECTION A-A



SECTION B-B



PRODUCTION WORK ORDER

PRODUCT I.D.: BX072144-08LD06S

DESCRIPTION: 84" X 156" X 8" THICK TOP SLAB



QUALITY CONTROL CHECKLIST

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

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: CORE & MAIN LP

PLANT: BEAVER DAM, KY.

PROJECT: 2707 MEMORIAL BLVD GREASE TRAPS

WEIGHT: 8,195 LBS.

STRUCTURE: QL1 GT2000 (1)

TOP SECTION JOINT: N/A

ORDER NO: 26-2901

BASE SECTION JOINT: N/A

PC: T. LEWIS

DRAWING: S. FELLETER

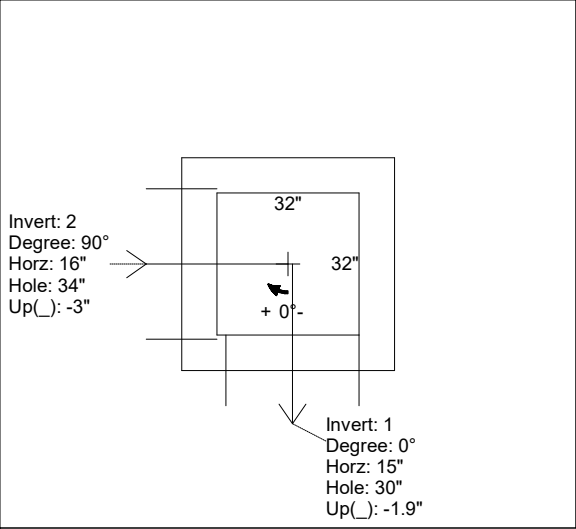
QC CHECK INITIALS:

DATE: 07/07/26

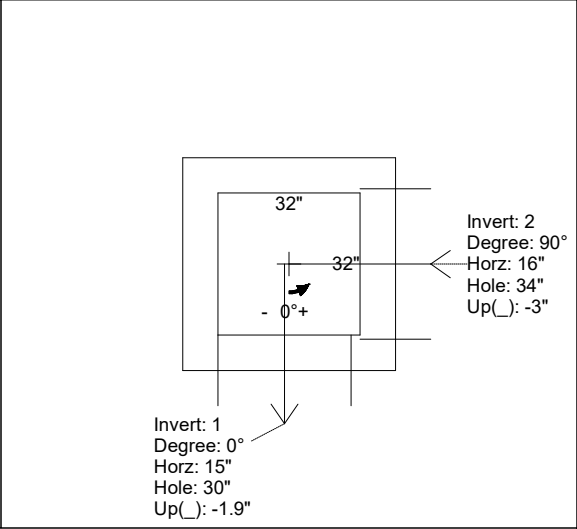
SCALE: NTS

PG. 1 of 1

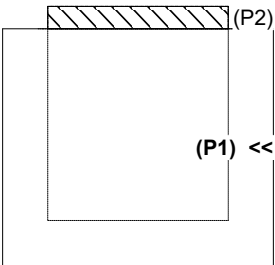
Job Name: 23-2309 - Richland Estates Subdivision Job Location: Portland, TN Contractor: Core & Main LP (BG)					Plant: 100 6/30/2026 8:52:11 AM		Tech: J. Horsley PC: T. Lewis				
Structure ID: 11 ST-AD											
P1 BX3232-08BAVF		BOX BASE 8inW, 8inF, Variable Ht									
P2) 32" x 32" - CASTING HEIGHT - 4" P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 34" 1) 32" x 32" - Conseal CS-102 1.00" 1) Hole - 30 1) Hole - 34					0 lb 4401 lb 0 lb 0 lb 0 lb ----- Structure Total: 4401 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY OTHERS (JBS 4315 F/G). 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: 802' Rim to Invert: 3.3' Slack: 1.6" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	798.7'	0°	23"	24" HDPE	27.8"	Hole 30	30"	30"	-1.9"	-1"	
Invert 2	798.7'	90°	24"	24" RCP B WALL	30"	Hole 34	34"	33"	-3"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

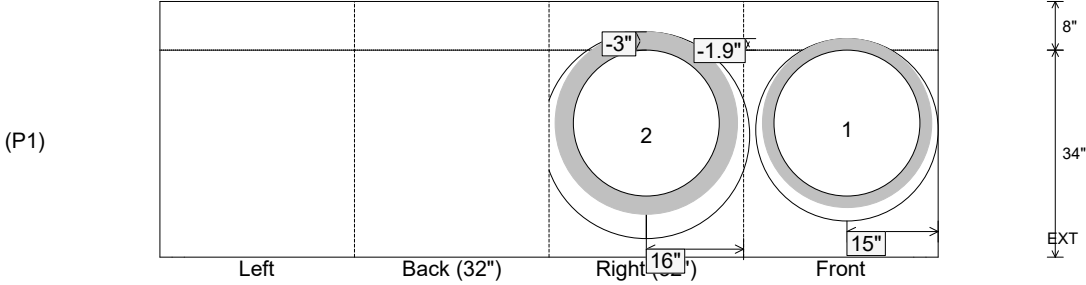


UPSIDE-DOWN VIEW (int. dimensions)



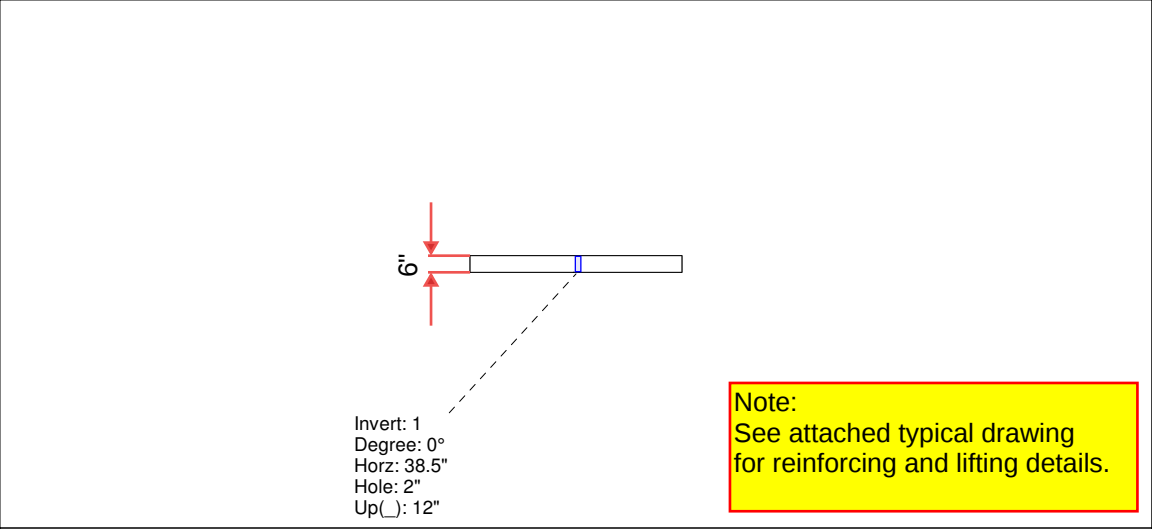
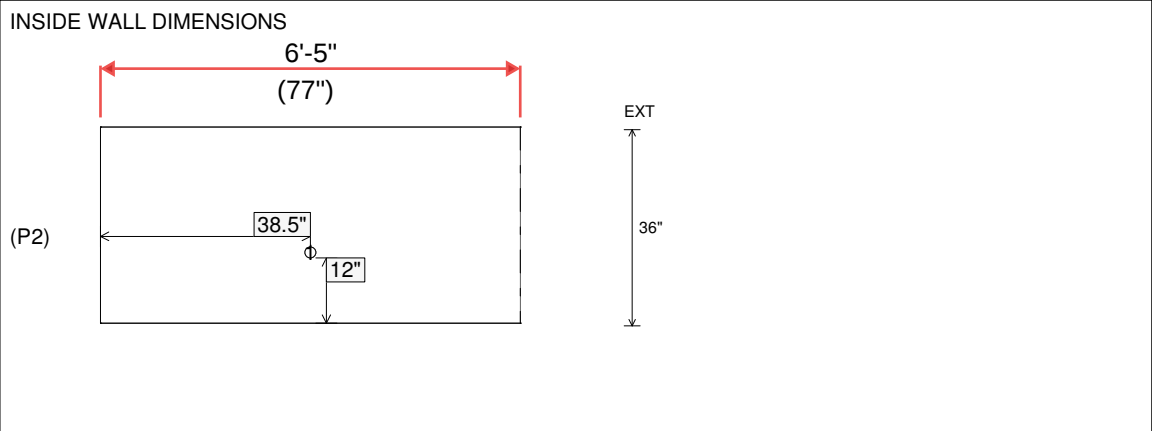
(P1) << (P2)

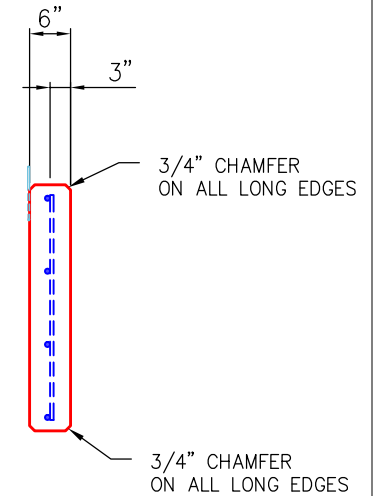
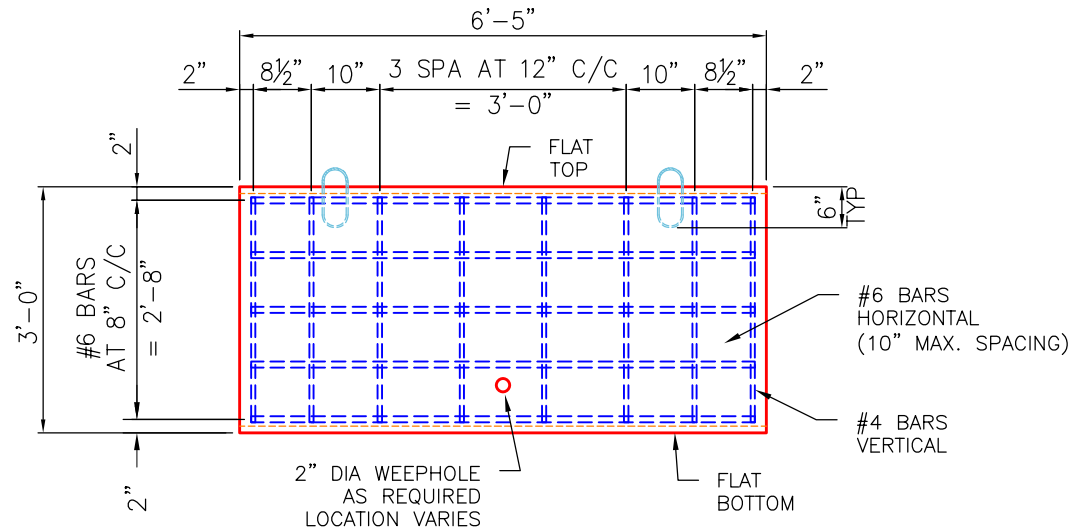
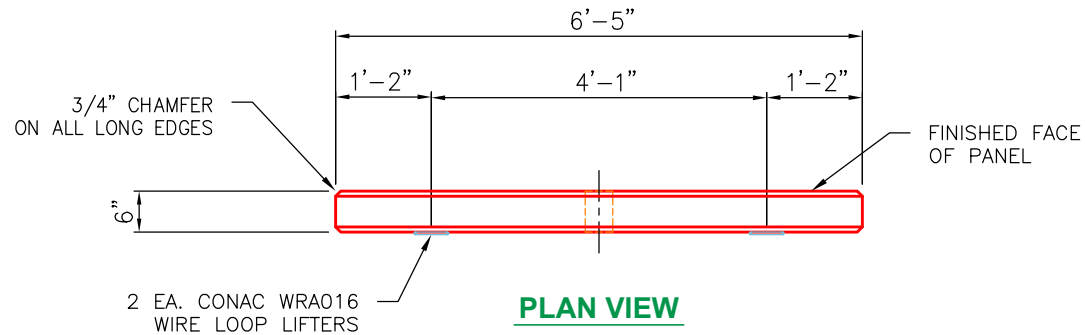
INSIDE WALL DIMENSIONS



(P1)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 34" Height (Ext): 42"	Weight (Net): 4401 lb Volume (Net): 1.12cu.yd
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Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:23 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P8-P9											
P2 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG Hole - 2						1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 698'						Rim to Invert: 8'		Slack: 0"		Sump: 48"	
Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	690'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	12"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) (P4) (P3) (P2) << (P1)  INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd	



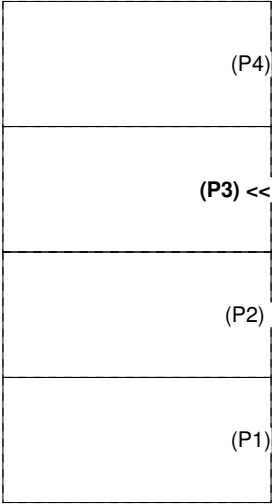
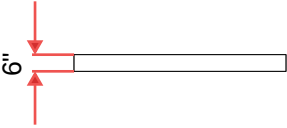
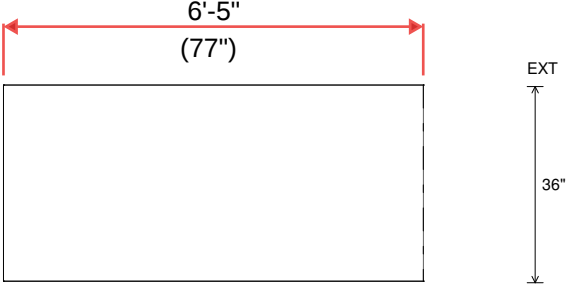
GENERAL NOTES:

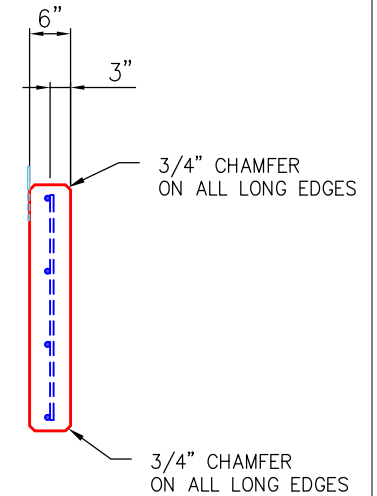
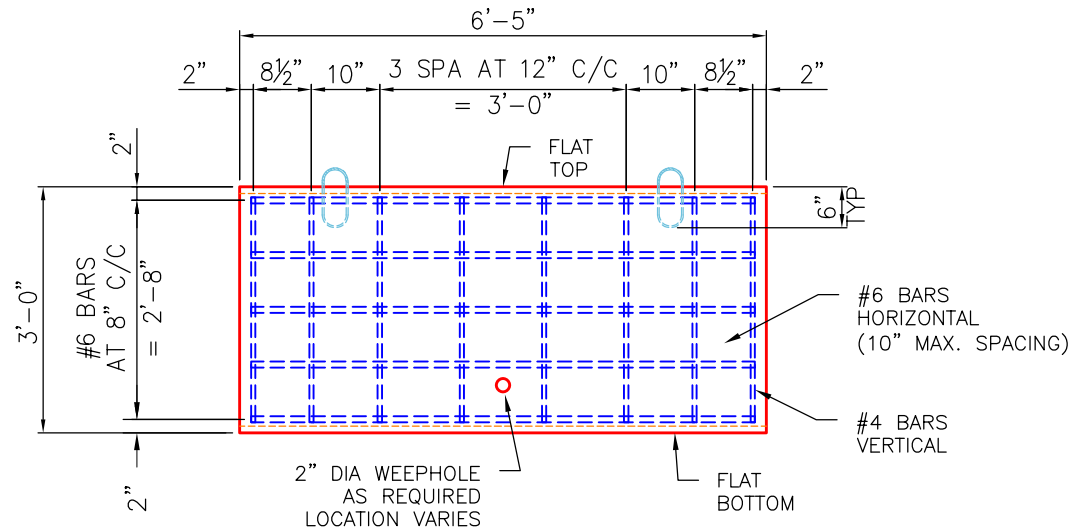
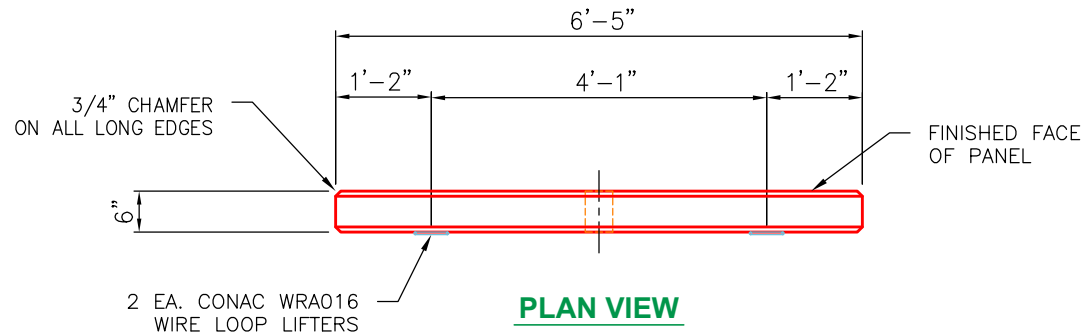
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

SIDE VIEW

END VIEW

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

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:23 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P8-P9											
P3 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2						1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 698'		Rim to Invert: 8'		Slack: 0"		Sump: 48"		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)											
		 Note: See attached typical drawing for reinforcing and lifting details.									
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd	



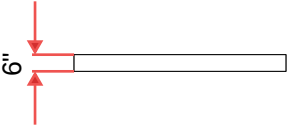
GENERAL NOTES:

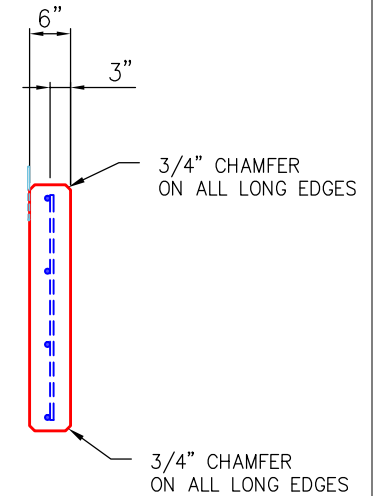
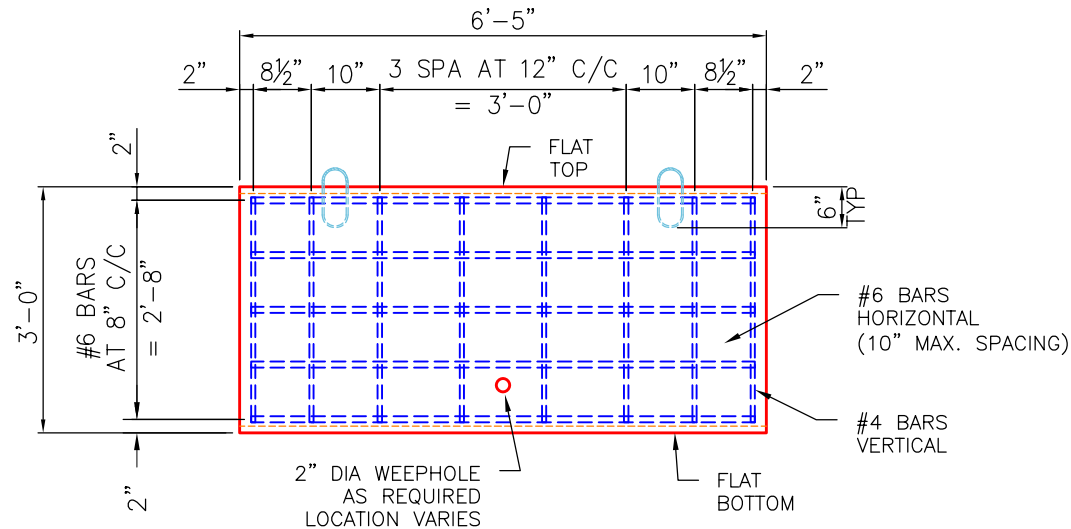
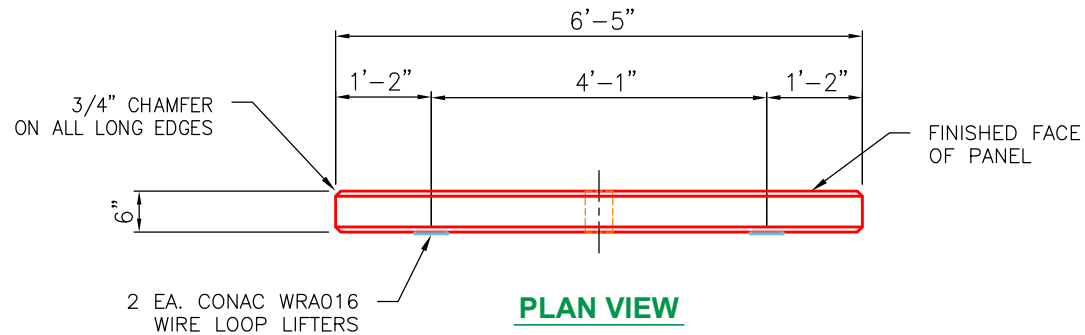
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

SIDE VIEW

END VIEW

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

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:24 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P8-P9											
P4 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2						1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 698'		Rim to Invert: 8'		Slack: 0"		Sump: 48"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
(P4) << (P3) (P2) (P1)		 Note: See attached typical drawing for reinforcing and lifting details.									
INSIDE WALL DIMENSIONS											
		6'-5" (77") (P4) EXT 36"									
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd	



GENERAL NOTES:

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

SIDE VIEW

END VIEW

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

Job Name: 25-4665 - Buckhorn WTP

Job Location: Hazard, KY

Contractor: Smith Contractors, Inc.

Plant: 100

4/7/2026 3:51:36 PM

Tech: J. Horsley

PC: E. Bradley



Structure ID: SV (5)

P2 BX108108-08W-RSVF

BOX RISER 8inW, Variable Ht T/F

P5) 66" x 64" - HATCH (CAST FLUSH) - 3"

P4) 108" x 108" - BX FLAT TOP 8"W w/66"x64" HATCH F/F - 10"

P3) 108" x 108" - BOX RISER 8inW, Variable Ht F/G - 88"

P2) 108" x 108" - BOX RISER 8inW, Variable Ht T/F - 70"

P1) 108" x 108" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"

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

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

1) This Structure Includes a Cast-in Item - Hatch (Supplied by Others)

3) 108" x 108" - Conseal CS-102 1.00" (Double)

2) A-Lok - 0570

0 lb

9582 lb

27410 lb

21433 lb

0 lb

0 lb

0 lb

0 lb

0 lb

2 lb

Structure Total: 58427 lb

Structure Notes:

1. PER 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 STEPS

5. HALLIDAY W2R 66" X 64" HATCH SUPPLIED BY OTHERS - TO BE CAST INTO FLAT LID

6. LADDER SUPPLIED BY OTHERS

Rim: 762'

Rim to Invert: 12'

Slack: 0"

Sump: 24"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	750'	90°	55"	16" DI	17.5"	A-Lok 0570	18.75"	18.75"	22.625"	-7"
Invert 2	750'	270°	69"	16" DI	17.5"	A-Lok 0570	18.75"	18.75"	22.625"	7"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

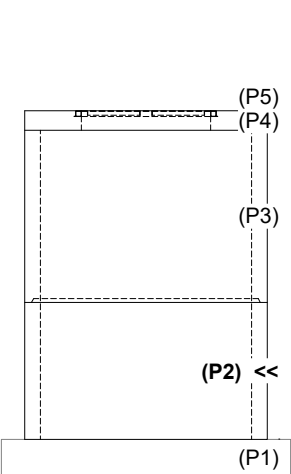
(P5)

(P4)

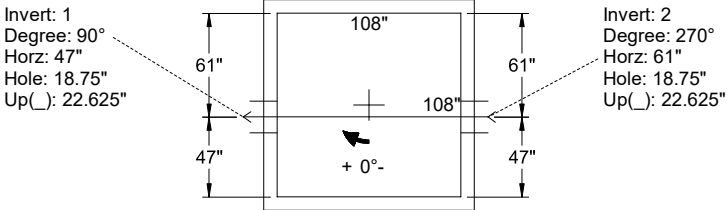
(P3)

(P2) <<

(P1)



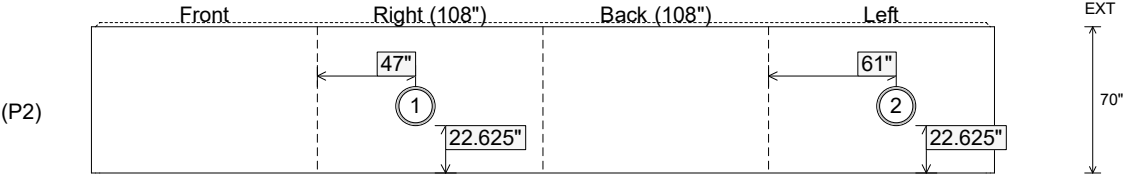
Invert: 1
Degree: 90°
Horz: 47"
Hole: 18.75"
Up(): 22.625"



Invert: 2
Degree: 270°
Horz: 61"
Hole: 18.75"
Up(): 22.625"

INSIDE WALL DIMENSIONS

(P2)



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Flat

Wall Thickness: 8"
Floor Height: 0"

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

Weight (Net): 21433 lb
Volume (Net): 5.48cu.yd