

Job Name: 26-2485 855358 Fuqua Development
Job Location: Nicholasville, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

6/5/2026 8:56:49 AM

Tech: S. Felletter

PC: C. Goff



Structure ID: 10-CS-12

P5 MH144LD18SP

MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G

- P6) 24" - CASTING HEIGHT - 4"
P5) 144" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18"
P4) 144" - MH RISER T/G - 42"
P3) 144" - MH RISER T/G - 78"
P2) 144" - MH RISER T/G - 54"
P1) 144" - MH MONOBASE 14F, Custom Ht T/n - 24"
1) ASSEMBLY REQUIRED - BRACKETS ONLY
1) CVSTENCILING
4) 144" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 48

- 0 lb
23623 lb
22598 lb
37954 lb
29054 lb
39578 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. 4" CASTING BY OTHERS
4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE
5. ICAST TO INSTALL BRACKETS ONLY
6. CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE

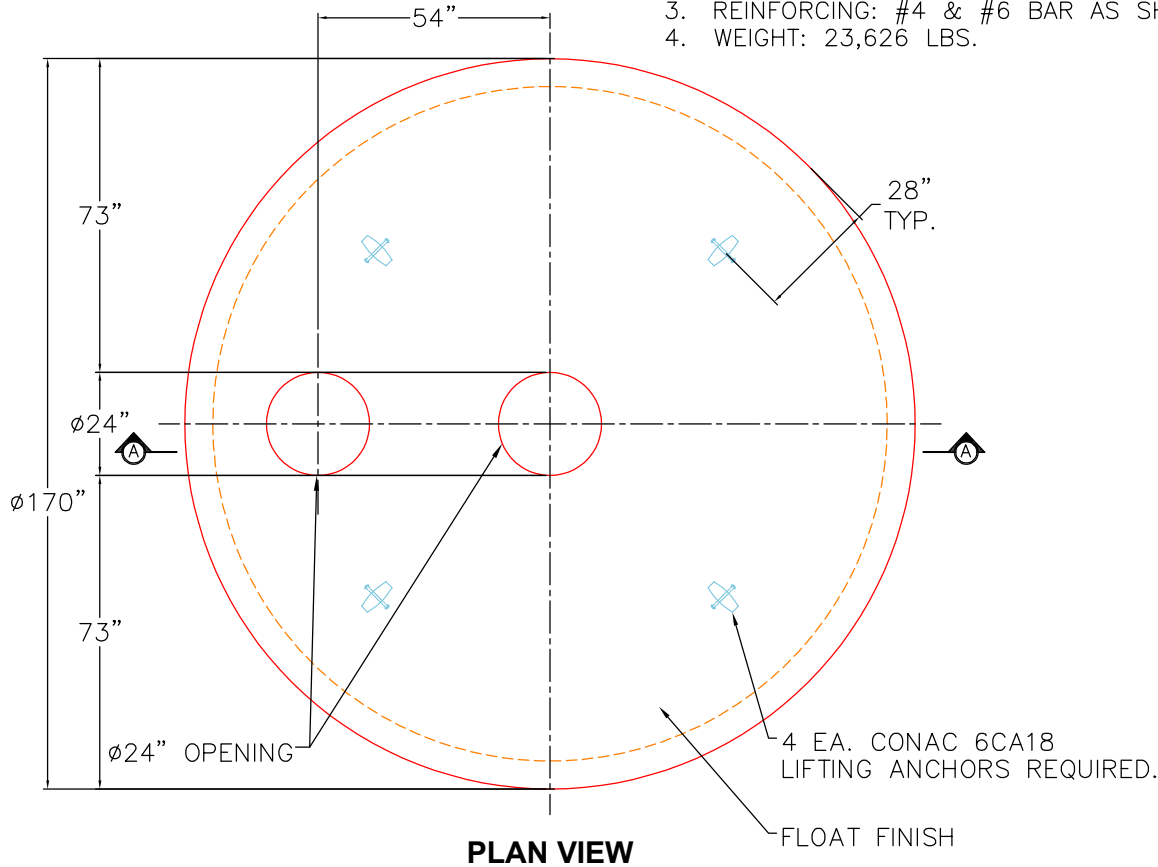
Structure Total:

152807 lb

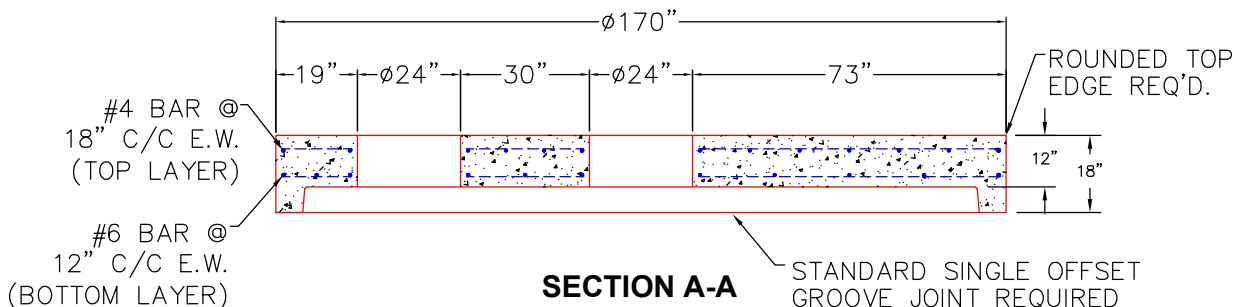
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .36)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 5,000 PSI AT 28 DAYS.
3. REINFORCING: #4 & #6 BAR AS SHOWN (GRADE 60).
4. WEIGHT: 23,626 LBS.



PLAN VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

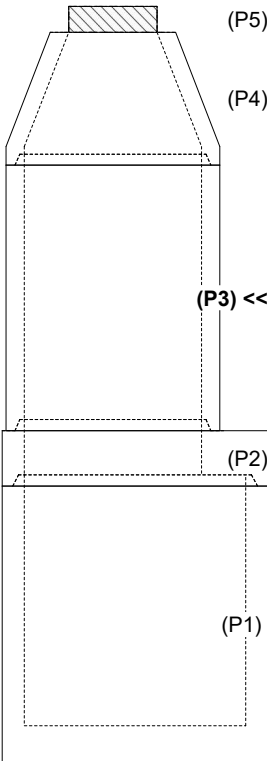
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 13"

Height (Ext): 18"

Weight (Net): 23623 lb
Volume (Net): 6.03cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/26/2026 2:14:53 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301550											
P3		MH048RS72		MH RISER T/G							
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 36" P3) 48" - MH RISER T/G - 72" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE (10"F) 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 14) MH Step ML-10-TDS-NCR - 10"						0 lb 2252 lb 5030 lb 2204 lb 8848 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 21028 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 270 DEGREES 5. 7" CASTING SUPPLIED BY OTHERS			
Rim: 753.64' Rim to Invert: 16.19' Slack: 2.28" Sump: 3" Step Position: 270°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P5)

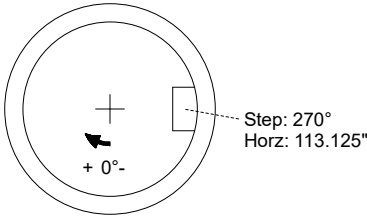
(P4)

(P3) <<

(P2)

(P1)

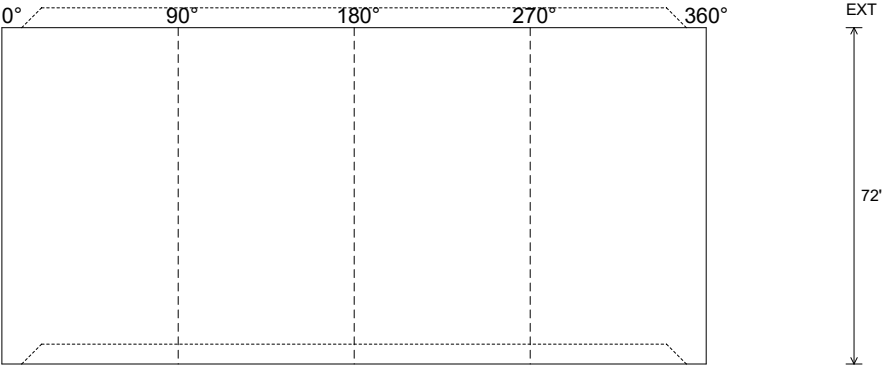
RIGHT-SIDE UP VIEW (int. dimensions)



Step: 270°
Horz: 113.125"

+ 0°-

INSIDE WALL DIMENSIONS



(P3)

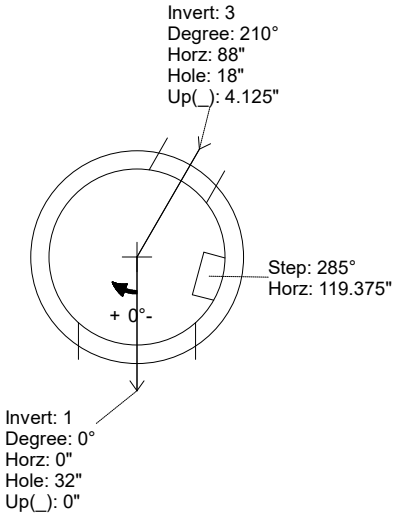
EXT

72"

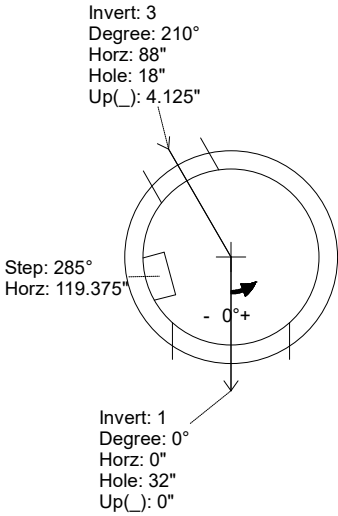
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 72" Height (Ext): 72"	Weight (Net): 5030 lb Volume (Net): 1.28cu.yd
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Job Name: 26-2153 - Southwire Material Hawesville Job Location: Hawesville, KY Contractor: Hodskins Services					Plant: 100 6/19/2026 6:35:33 PM		Tech: Jared - F PC: E. Bradley				
Structure ID: DBI 395.50											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P4) 34" x 34" - CASTING HEIGHT - 7" P3) 48" - MH FLAT TOP w/34"x34" Hole F/F - 7" P2) 48" - MH RISER Custom Ht F/G - 58" P1) 48" - MH BASE Custom Ht T/n - 41" 1) CASTING - NEENAH R-3481 (F/G) 2) 48" - Conseal CS-102 1.00" 1) Hole - 32 1) DOGHOUSE INVRTD - 34"x30" 1) Hole - 18 8) MH Step ML-10-TDS-NCR - 10"					0 lb 873 lb 3596 lb 3722 lb 294 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 8485 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (NEENAH R-3481 (F/G)). 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: 404.7' Rim to Invert: 9.2' Slack: 0.4" Sump: 3" Step Position: 285°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	395.5'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"	
Invert 2											
Invert 3	395.7'	210°	106.25"	12" HDPE	14.5"	Hole 18	18"	18.451"	4.125"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

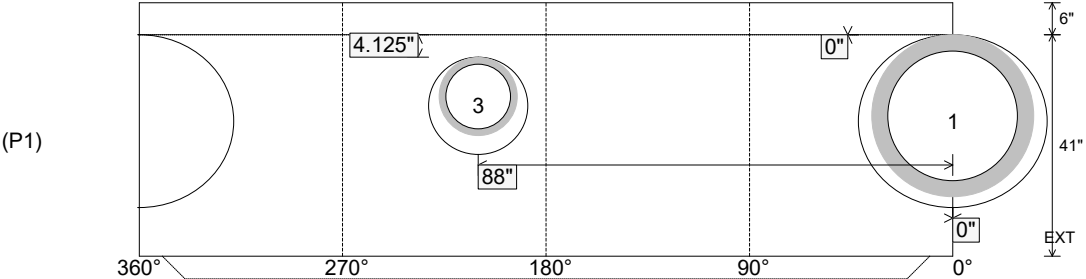
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

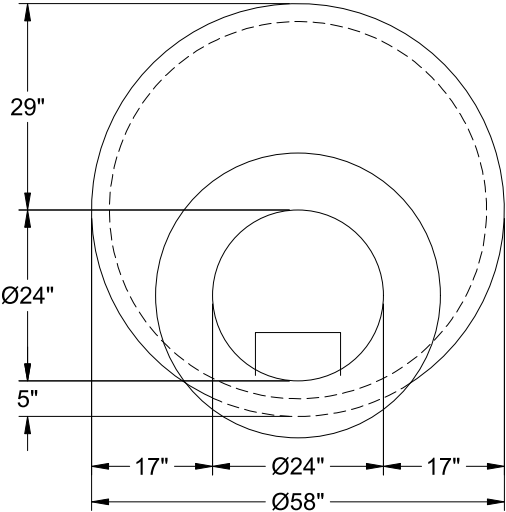
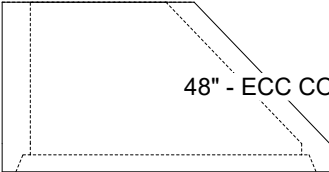


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 41" Height (Ext): 47"	Weight (Net): 3722 lb Volume (Net): 0.95cu.yd
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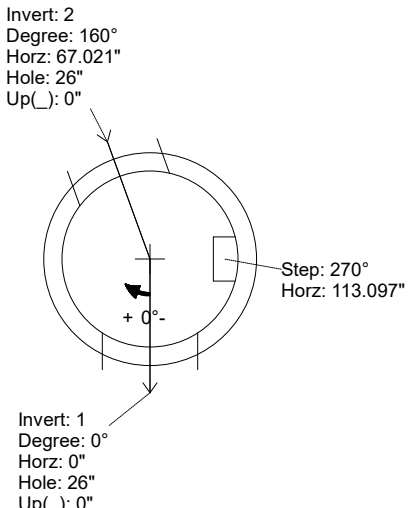
MH RISER Custom Ht F/G

Weight (Net): 3596 lb
Volume (Net): 0.92cu.yd

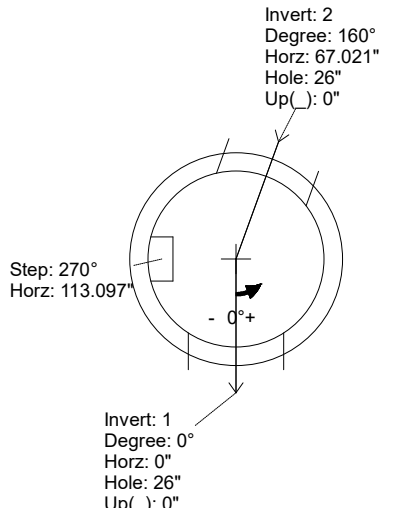
Job Name: 26-2441 - Rock Quarry Rd - US 27 Sewer Job Location: Somerset, KY 42501 Contractor: City of Somerset Wastewater		Plant: 100 6/21/2026 2:42:51 PM	Tech: J. Horsley PC: J. Jarvis	
Structure ID: RQ2 SS-MH				
P2 MH048CN30		ECC CONE w/ 24" HOLE F/G		
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10"		0 lb 2050 lb 2959 lb 1440 lb 0 lb 0 lb 258 lb 0 lb 0 lb 8 lb 0 lb Structure Total: 6715 lb	<u>Structure Notes:</u> 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS REQUIRED 5. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST	
				
 48" - ECC CONE w/ 24" HOLE F/G - 30" - (P2)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 30"	Weight (Net): 2050 lb Volume (Net): 0.41cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:58 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R11											
P1		MH048BA54		MH BASE T/n							
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: 7329 lb						0 lb 1368 lb 4636 lb 1075 lb 250 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. 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: 573.43' Rim to Invert: 5.76' Slack: 0.62" Sump: 2.5" Step Position: 270											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	567.67'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	567.67'	160°	80.983"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

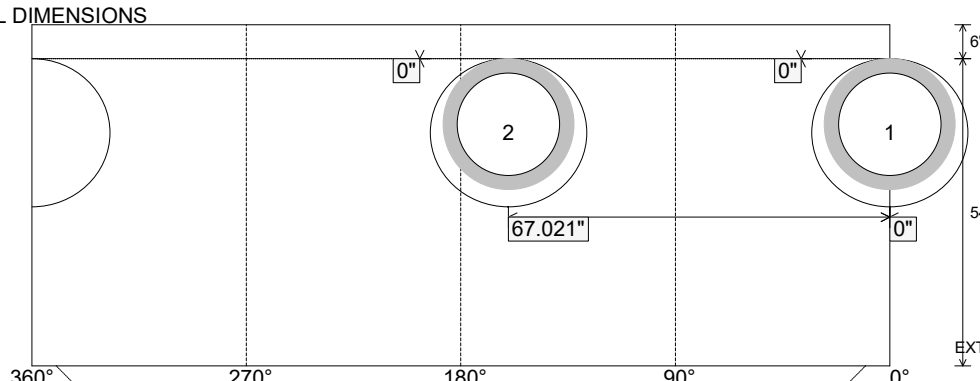
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



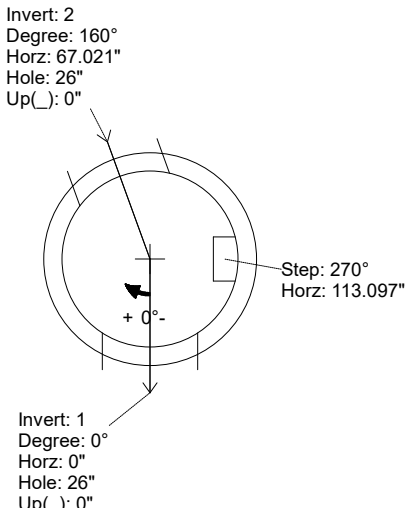
INSIDE WALL DIMENSIONS



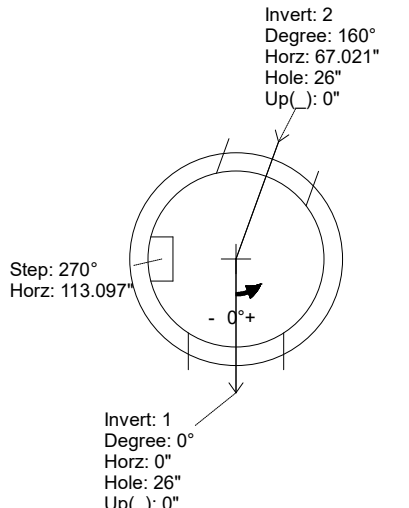
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 54" Height (Ext): 60"	Weight (Net): 4636 lb Volume (Net): 1.18cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:58 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R11											
P1		MH048BA54		MH BASE T/n							
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"					0 lb 1368 lb 4636 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 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. Invert channel drawing 1/4 Height storm invert				
Rim: 573.43' Rim to Invert: 5.76' Slack: 0.62" Sump: 2.5" Step Position: 270											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	567.67'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	567.67'	160°	80.983"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

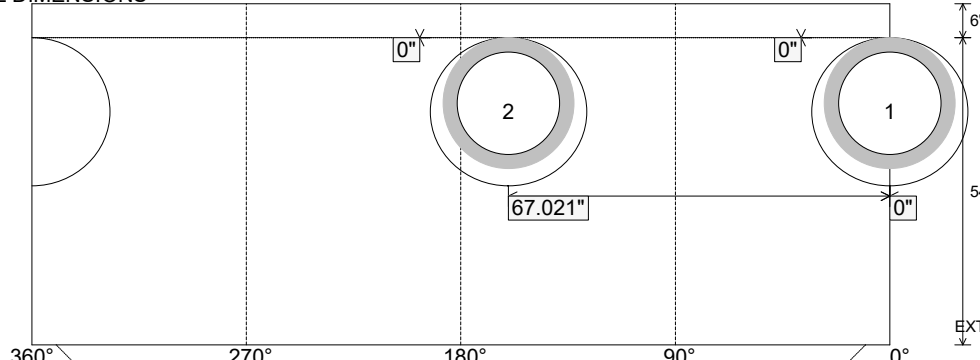
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 54" Height (Ext): 60"	Weight (Net): 4636 lb Volume (Net): 1.18cu.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 10:36:55 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R6											
P1		MH048BA48		MH BASE T/n							
P4) 28" x 28" - CASTING HEIGHT - 5" P3) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE T/n - 48" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 2) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 26" 7) MH Step ML-10-TDS-NCR - 10"						0 lb 1368 lb 2515 lb 4217 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (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.			
Structure Total:						9425 lb					
Rim: 569.02' Rim to Invert: 8.45' Slack: 2.9' Sump: 2.5' Step Position: 90											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	560.57'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	560.57'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	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: Tongue
Seam Dn: n/a

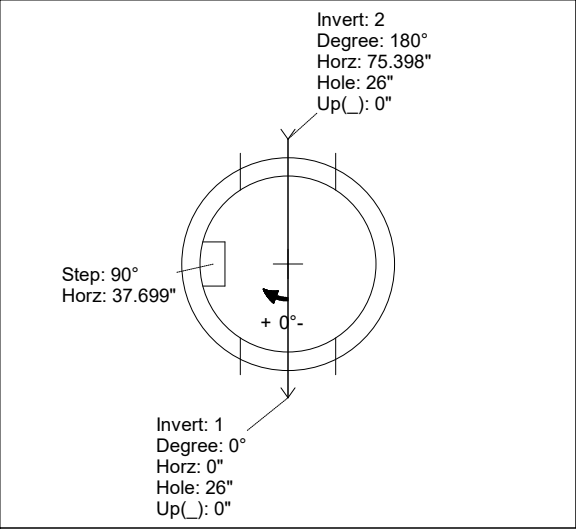
Wall Thickness: 5"
Floor Height: 6"

Height (Int): 48"
Height (Ext): 54"

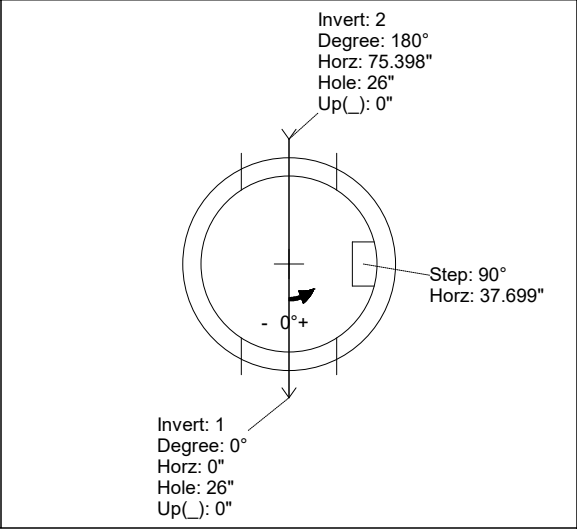
Weight (Net): 4217 lb
Volume (Net): 1.08cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:55 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R6											
P1		MH048BA48		MH BASE T/n							
P4) 28" x 28" - CASTING HEIGHT - 5" P3) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE T/n - 48" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 2) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 26" 7) MH Step ML-10-TDS-NCR - 10"						0 lb 1368 lb 2515 lb 4217 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 9425 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: 569.02' Rim to Invert: 8.45' Slack: 2.9' Sump: 2.5' Step Position: 90						Invert channel drawing 1/4 Height storm invert					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	560.57'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	560.57'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

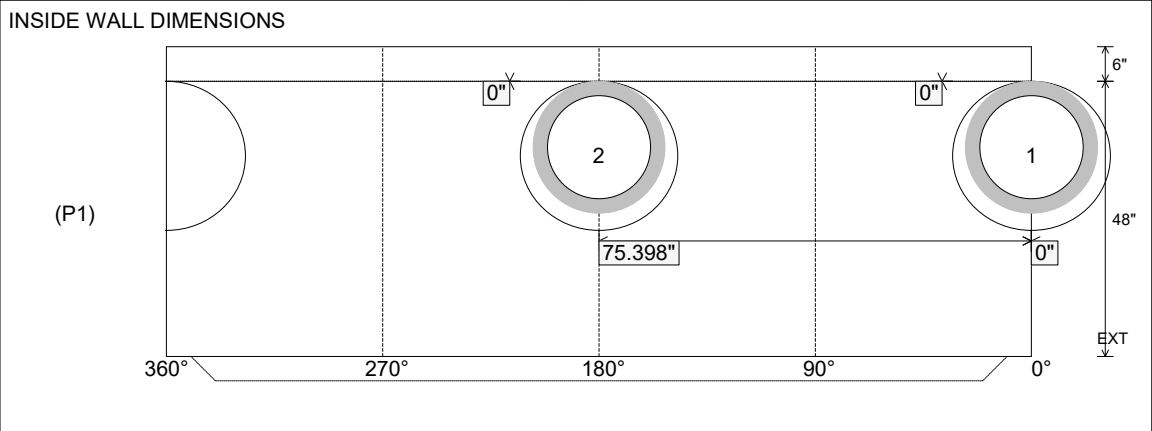
RIGHT-SIDE UP VIEW (int. dimensions)



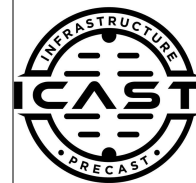
UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



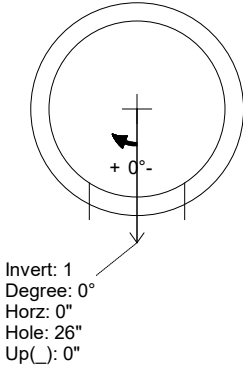
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 48" Height (Ext): 54"	Weight (Net): 4217 lb Volume (Net): 1.08cu.yd
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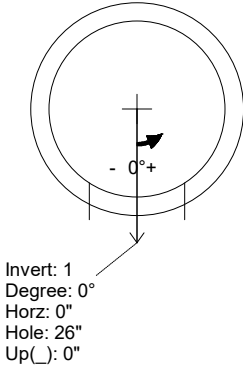
Weight (Net): 5568 lb
Volume (Net): 1.42cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:54 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R5B											
P1 MH048BAVF		MH BASE Custom Ht F/n									
P3) 20" x 34" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP - TDOT NO 10 (20"x34" Hole) F/F - 10" P1) 48" - MH BASE Custom Ht F/n - 64" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3123 MODIFIED SET 1) 48" - SGL 1"x14.5' Butyl (2x) 1) Hole - 26					0 lb 1646 lb 5568 lb 1075 lb 250 lb 0 lb 0 lb ----- Structure Total: 8539 lb		Structure Notes: . 1. PER TDOT D-CB-10RA / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (JBS-3123 MOD SET). REINFORCING PER ASTM A615 (GRADE 60). ** PER TDOT STD DRAWING D-CB-10RA ** - TOP SLAB - DBL MAT #5 BARS. - RISER (As .24) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.				
Rim: 571.01' Rim to Invert: 6.58' Slack: 0.46" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	564.43'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

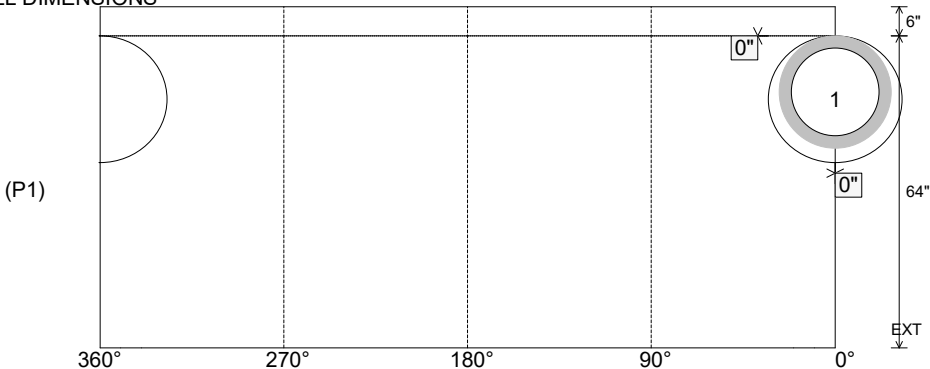
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)

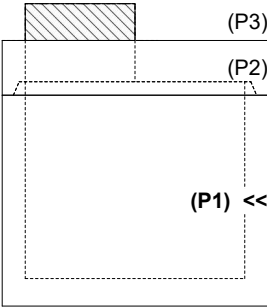


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 64" Height (Ext): 70"	Weight (Net): 5568 lb Volume (Net): 1.42cu.yd
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Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/12/2026 3:10:10 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 146											
P1		MH048BAVF		MH BASE Custom Ht T/n							
P3) 24" - CASTING HEIGHT - 8" P2) 48" - MH FLAT LID w/24in ECC Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 40" 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) Hole - 22 2) Hole - 20 3) MH Step ML-10-TDS-NCR - 10"					0 lb 1561 lb 3689 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 5250 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC MANHOLE TYPE A / ASTM C-478 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STORM INVERT 5. STEPS AT 270 DEGREES 6. HOE KY-510 FRAME & COVER "STORM" SUPPLIED BY OTHERS				
Rim: 553.45' Rim to Invert: 4.79' Slack: 0.98" Sump: 3.5" Step Position: 270°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	548.66'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	0"	0"	
Invert 2	548.7'	90°	45.5"	15" HDPE	17.6"	Hole 20	20"	20.629"	1.5"	0"	
Invert 3	548.7'	180°	91.125"	15" HDPE	17.6"	Hole 20	20"	20.629"	1.5"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INVERT DATA

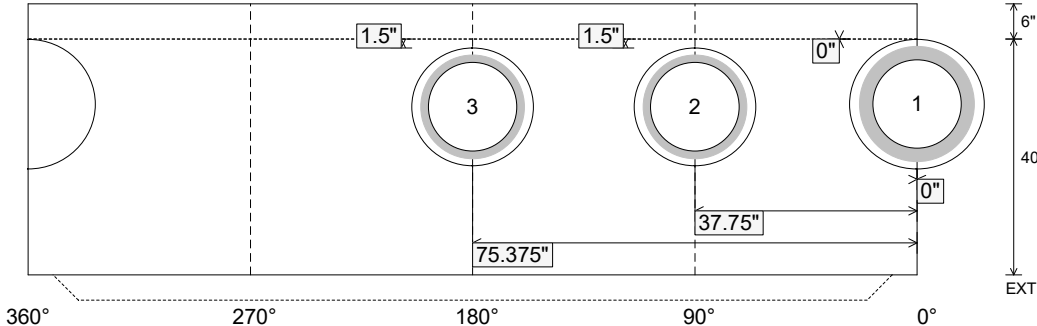
INVERT 3
Degree: 180°
Horz: 75.375"
Hole: 20"
Up(): 1.5"

INVERT 2
Degree: 90°
Horz: 37.75"
Hole: 20"
Up(): 1.5"

INVERT 1
Degree: 0°
Horz: 0"
Hole: 22"
Up(): 0"

STEP 270°
Horz: 113.125"

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 40" Height (Ext): 46"	Weight (Net): 3689 lb Volume (Net): 0.94cu.yd
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Job Name: 26-2441 - Rock Quarry Rd - US 27 Sewer Job Location: Somerset, KY 42501 Contractor: City of Somerset Wastewater				Plant: 100 6/21/2026 2:42:32 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: US27-1 SS-MH										
P1 MH048BA24				MH BASE T/n						
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) PSX - 12-08 NYLO 1) PSX - 8QRS-S NYLO 4) MH Step ML-10-TDS-NCR - 10"				0 lb 2050 lb 2938 lb 1440 lb 0 lb 0 lb 258 lb 0 lb 0 lb 8 lb 6 lb 0 lb ----- Structure Total: 6700 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Rim: 903' Rim to Invert: 5' Slack: 1" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	898'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	898.1'	270°	136.625"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 270°
Horz: 113.125"
Hole: 8"
Up(): 1.25"

Step: 0°
Horz: 0"

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

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2
Degree: 270°
Horz: 113.125"
Hole: 8"
Up(): 1.25"

Step: 0°
Horz: 0"

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

INSIDE WALL DIMENSIONS

(P1)

1.25"

2

113.125"

1

0"

0"

360°

270°

180°

90°

0°

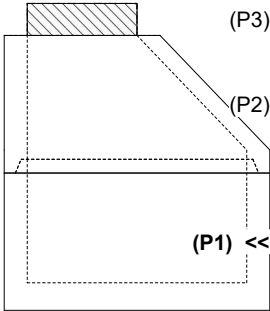
6"

24"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2938 lb Volume (Net): 0.75cu.yd
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Job Name: 26-2441 - Rock Quarry Rd - US 27 Sewer Job Location: Somerset, KY 42501 Contractor: City of Somerset Wastewater				Plant: 100 6/21/2026 2:42:32 PM		Tech: J. Horsley PC: J. Jarvis						
Structure ID: US27-1 SS-MH												
P1 MH048BA24				MH BASE T/n								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) PSX - 12-08 NYLO 1) PSX - 8QRS-S NYLO 4) MH Step ML-10-TDS-NCR - 10"						0 lb 2050 lb 2938 lb 1440 lb 0 lb 0 lb 258 lb 0 lb 0 lb 8 lb 6 lb 0 lb ----- Structure Total: 6700 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Rim: 903'				Rim to Invert: 5'		Slack: 1"		Sump: 2"		Step Position: 0°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	898'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"		
Invert 2	898.1'	270°	136.625"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	1.25"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

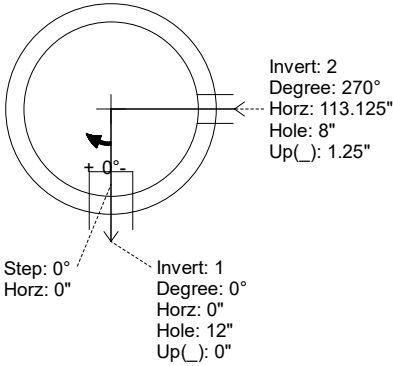


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 270°
Horz: 113.125"
Hole: 8"
Up(): 1.25"

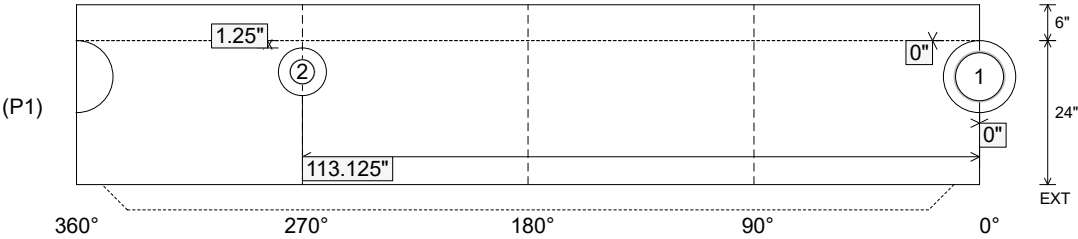
Step: 0°
Horz: 0"

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

UPSIDE-DOWN VIEW (int. dimensions)

**INVERT CHANNEL
DRAWING**

INSIDE WALL DIMENSIONS



(P1)

1.25"

113.125"

360° 270° 180° 90° 0°

6"

24"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2938 lb Volume (Net): 0.75cu.yd
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Job Name: 24-1164 Paddy's Run Flood PS
Job Location: Louisville, Ky.
Contractor: Core & Main LP (Lou)

Plant: Beaver Dam, Ky.
5/18/2026 8:15:55 AM

Tech: S. Felletter
PC:



Structure ID: Storm MH

P1 MH048LD12S

MH FLAT TOP SPECIAL (MCS-288) F/G

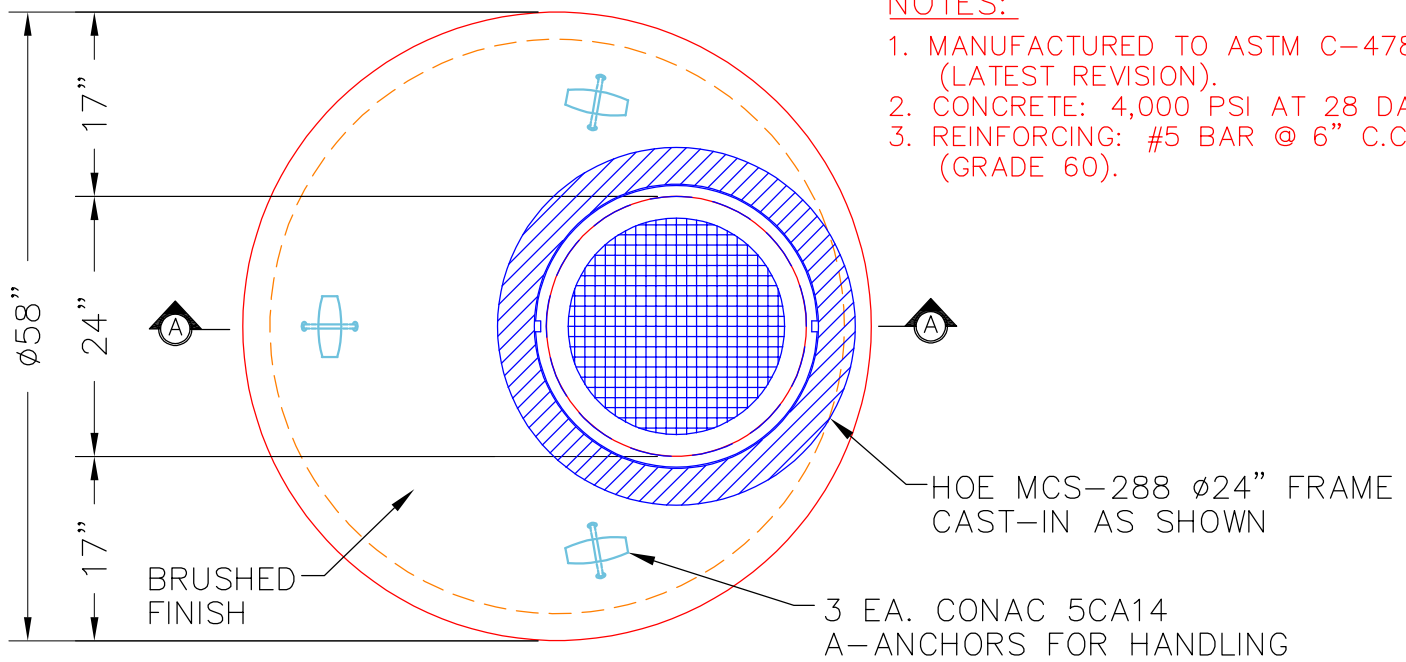
- P1) 48" - MH FLAT TOP SPECIAL (MCS-288) F/G - 12"
1) CASTING - HOE MCS-288 Cover Storm
1) CASTING - HOE MCS-288 Frame
1) This Structure Includes a Cast-in Item

Structure Total:

1593 lb
125 lb
123 lb
0 lb

1841 lb

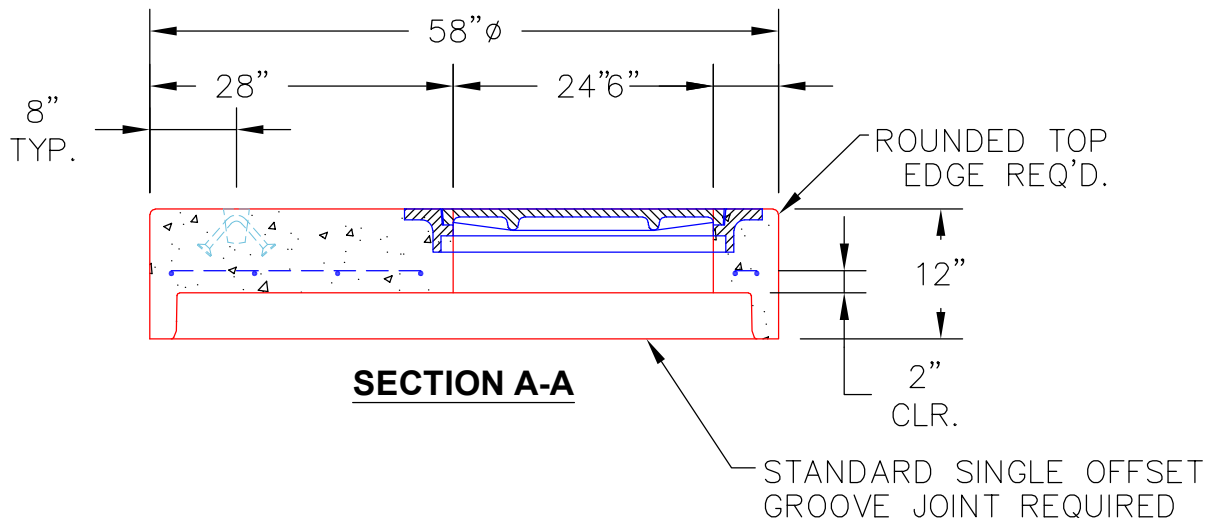
Structure Notes: 1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE MCS-288). CAST-IN.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.



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).

PLAN VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1593 lb
Volume (Net): 0.41cu.yd

Job Name: 26-1051 - HAMPTON 500 Job Location: Hampton Station, TN Contractor: TVA					Plant: 100		Tech: Jared - F				
					6/18/2026 11:09:46 AM		PC: A. Chambers				
Structure ID: 10 (14)											
P1 MH048BAVF			MH BASE Custom Ht F/n								
P4) 24" - CASTING HEIGHT - 1.25" P3) 24" - GRADE RING F/F - 6" P2) 48" - MH FLAT TOP w/ 24" Center Hole F/F - 7" P1) 48" - MH BASE Custom Ht F/n - 46" 1) CASTING - EJ 6488 O Beehive Grate 1) 48" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 1) Hole - 30 1) Hole - 24 4) MH Step ML-10-TDS-NCR - 10"					0 lb 405 lb 1700 lb 4030 lb 250 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 6385 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (EJ 6488 O BEEHIVE GRATE). 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: 506.8' Rim to Invert: 4.9' Slack: 0.45" Sump: 1.9" Step Position: 180°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	501.9'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"	
Invert 2	501.9'	90°	45.5"	18" HDPE	21.2"	Hole 24	24"	25.133"	0.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 46" Height (Ext): 52"	Weight (Net): 4030 lb Volume (Net): 1.03cu.yd
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Job Name: 26-1051 - HAMPTON 500 Job Location: Hampton Station, TN Contractor: TVA					Plant: 100		Tech: Jared - F				
					6/18/2026 11:09:41 AM		PC: A. Chambers				
Structure ID: 2 (6)											
P1 MH048BA36			MH BASE T/n								
P4) 24" - CASTING HEIGHT - 1.25" P3) 24" - GRADE RING F/F - 6" P2) 48" - MH FLAT TOP w/ 24" Center Hole F/G - 12" P1) 48" - MH BASE T/n - 36" 1) CASTING - EJ 6488 O Beehive Grate 1) 48" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 1) Hole - 30 1) Hole - 24 3) MH Step ML-10-TDS-NCR - 10"						0 lb 405 lb 1580 lb 3332 lb 250 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 5567 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (EJ 6488 O BEEHIVE GRATE). 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: 506.8' Rim to Invert: 4.6' Slack: 1.85" Sump: 1.9" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	502.2'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"	
Invert 2	502.2'	180°	91.125"	18" HDPE	21.2"	Hole 24	24"	25.133"	0.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

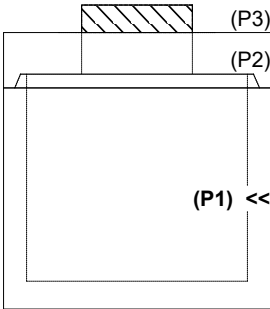
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

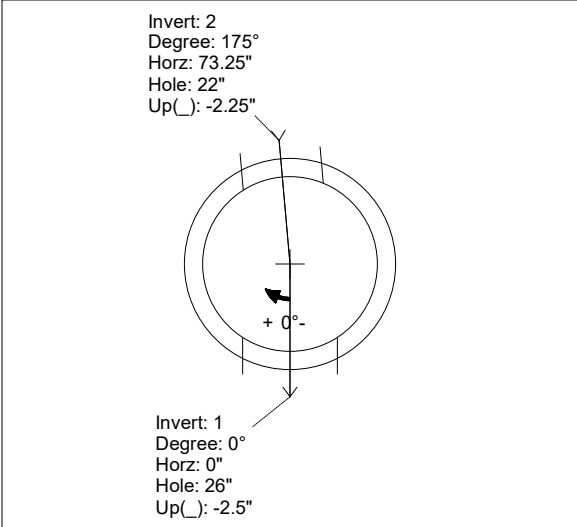
INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3332 lb Volume (Net): 0.85cu.yd
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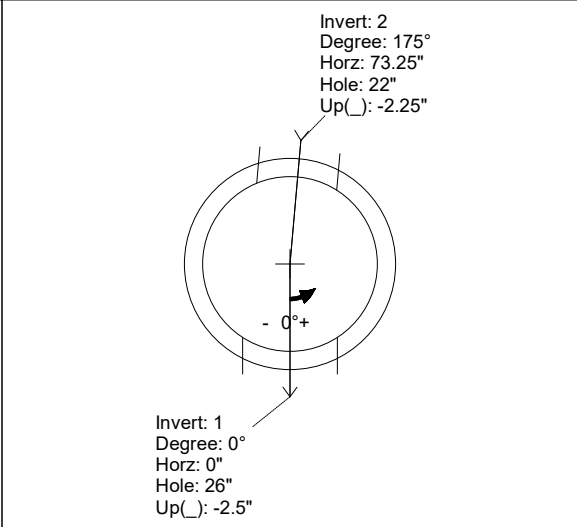
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:04 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 20 ST-CI											
P1 MH048BA42		MH BASE T/n									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE T/n - 42" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 26 1) Hole - 22						0 lb 1300 lb 3866 lb 442 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 5608 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. 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: 677.14'		Rim to Invert: 5'		Slack: 0"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	672.14'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"	
Invert 2	672.14'	175°	88.625"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



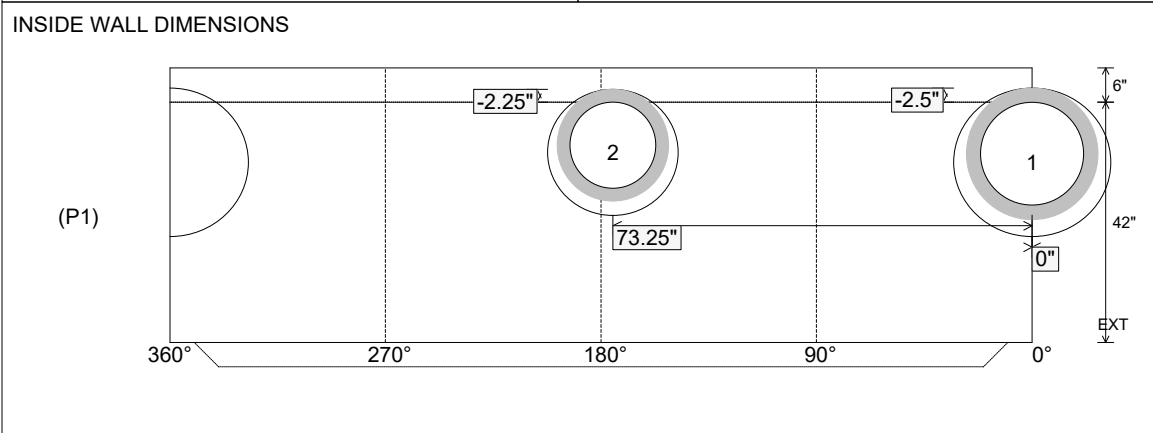
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 3866 lb Volume (Net): 0.99cu.yd
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Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100		Tech: Jared - F			
					6/4/2026 4:34:03 PM		PC: E. Bardley			
Structure ID: 18 ST-CI										
P1 MH048BAVF			MH BASE Custom Ht T/n							
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 62" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 26"					0 lb 1300 lb 5195 lb 442 lb 0 lb 0 lb 0 lb ----- Structure Total: 6937 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. 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: 676.82' Rim to Invert: 6.68' Slack: 0.16" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	670.14'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 2	670.14'	180°	91.125"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

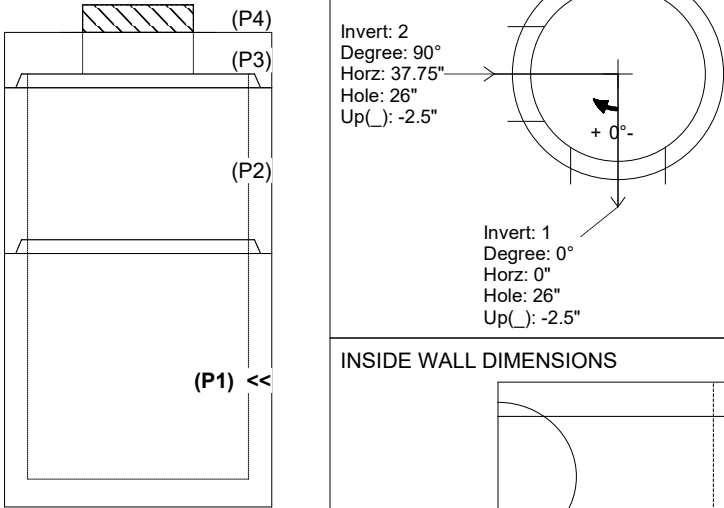
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

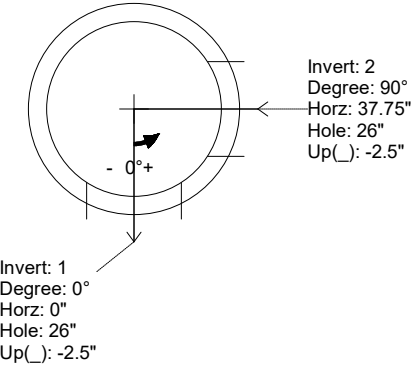
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 62" Height (Ext): 68"	Weight (Net): 5195 lb Volume (Net): 1.33cu.yd
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Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:02 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 17 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P4) 24" x 36" - CASTING HEIGHT - 6" P3) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE Custom Ht T/n - 49" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 2) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 26"						0 lb 1300 lb 2515 lb 4287 lb 442 lb 0 lb 0 lb 0 lb ----- 8544 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. 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: 678.02' Rim to Invert: 8.66' Slack: 0.92" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	669.36'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"	
Invert 2	669.36'	90°	45.5"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

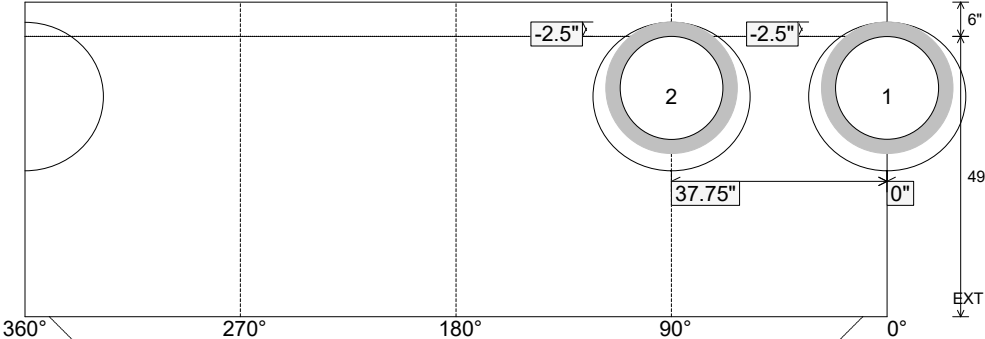
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

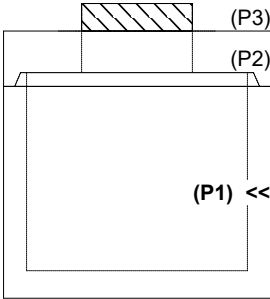


INSIDE WALL DIMENSIONS

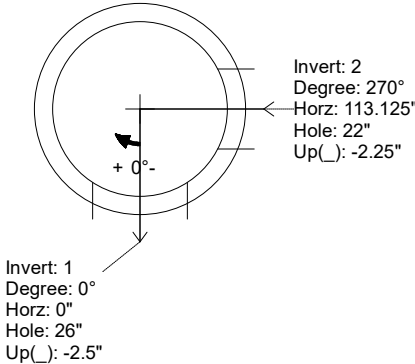


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 49" Height (Ext): 55"	Weight (Net): 4287 lb Volume (Net): 1.1cu.yd
----------------------------------	---------------------------------	--	--	---

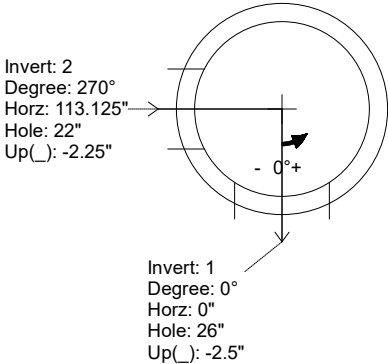
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:17 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 45 ST-CI											
P1 MH048BAVF			MH BASE Custom Ht T/n								
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 40" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 26 1) Hole - 22						0 lb 1300 lb 3727 lb 442 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 AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. 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: 694.31' Rim to Invert: 4.85' Slack: 0.2" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	689.46'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"	
Invert 2	689.46'	270°	136.625"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



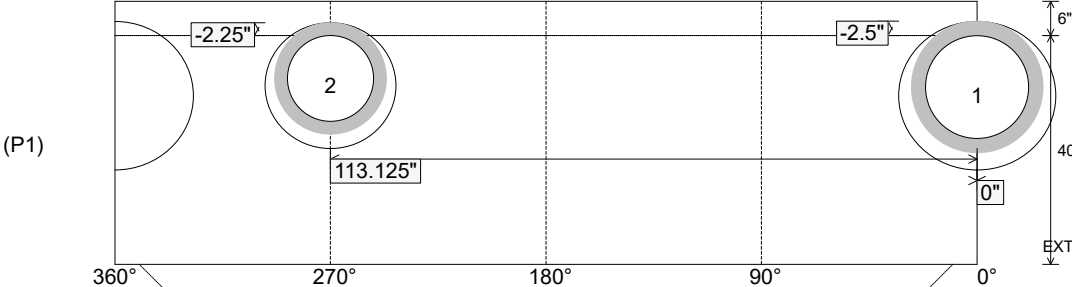
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 40" Height (Ext): 46"	Weight (Net): 3727 lb Volume (Net): 0.95cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1899 - Gateway 65 Industrial Road

Job Location: Franklin, KY

Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:34:16 PM

Tech: Jared - F

PC: E. Bardley



Structure ID: 44 ST-CI

P1 MH048BAVF

MH BASE Custom Ht T/n

P3) 24" x 36" - CASTING HEIGHT - 6"

P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"

P1) 48" - MH BASE Custom Ht T/n - 32"

1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)

1) 48" - Conseal CS-102 1.00"

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

1) Hole - 22"

0 lb

1300 lb

3401 lb

442 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 5143 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. NO STEPS AND NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).

5. CITY OF BGKY-CBI TYPE F.

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: 693.21'

Rim to Invert: 4.2'

Slack: 0.4"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	689.01'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 32"

Height (Ext): 38"

Weight (Net): 3401 lb

Volume (Net): 0.87cu.yd

Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100		Tech: Jared - F				
					6/4/2026 4:34:16 PM		PC: E. Bardley				
Structure ID: 43 ST-CI											
P1 MH048BAVF			MH BASE Custom Ht T/n								
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 40" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 32 1) Hole - 26 1) Hole - 22						0 lb 1300 lb 3363 lb 442 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 5105 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. 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: 693.21' Rim to Invert: 4.66' Slack: 0.92" Sump: 3" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	688.55'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"	
Invert 2	688.55'	180°	91.125"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0.5"	0"	
Invert 3	688.55'	270°	136.625"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	0.75"	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):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 40"	Weight (Net): 3363 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 46"	Volume (Net): 0.86cu.yd

Job Name: 26-2484 Bass Pro Shops Outpost Paducah
Job Location: Paducah, KY
Contractor: Central Paving Co. of Paducah, Inc.

Plant: Beaver Dam

Tech: S. Felletter

6/16/2026 8:03:44 AM

PC: A. Chambers



Structure ID: X6 ST-CI

P2 MH048LD07SP

MH FLAT TOP w/24"x24" Hole F/F

P3) 24" x 24" - CASTING HEIGHT - 5"
P2) 48" - MH FLAT TOP w/24"x24" Hole F/F - 7"
P1) 48" - MH BASE Custom Ht F/n - 37"
1) CASTING - HOE KY-465 SET (CBI TY F)
1) 48" - Conseal CS-102 1.00"
1) 24" x 24" - Conseal CS-102 1.00"
1) Hole - 30
1) Hole - 24

0 lb
1214 lb
3402 lb
465 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 5080 lb

Structure Notes:

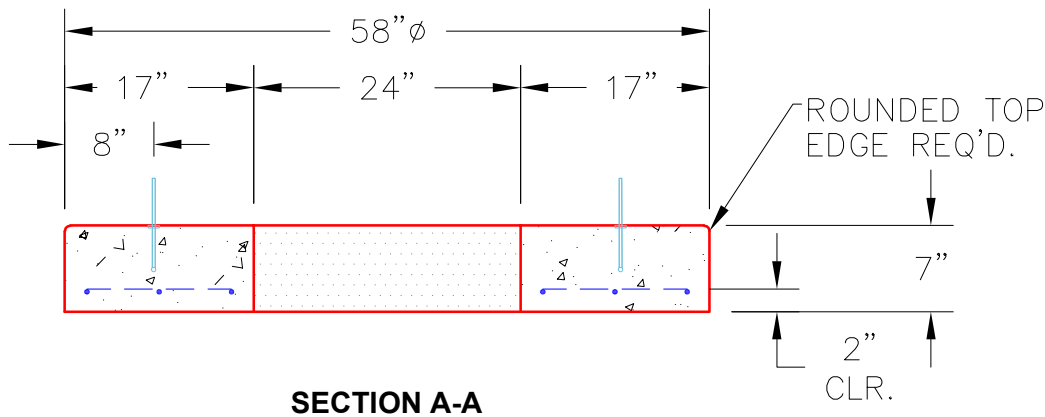
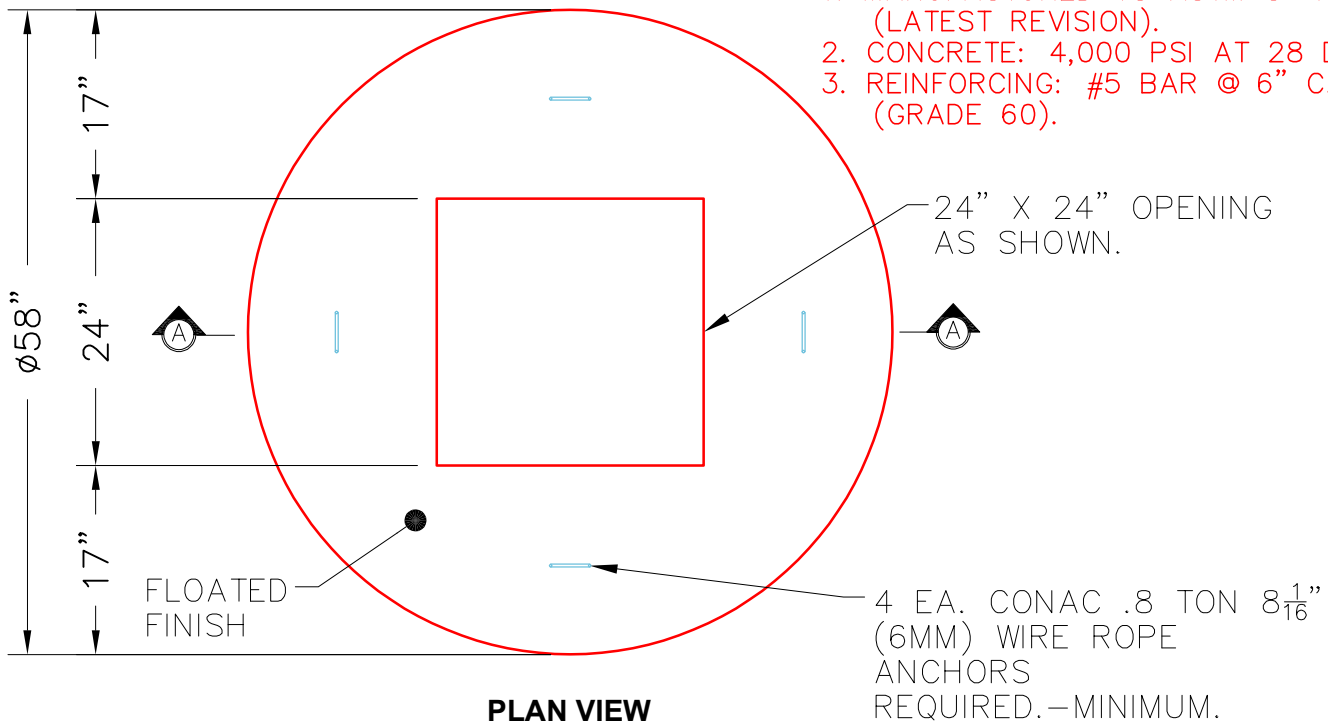
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE 465 F/G/H).

REINFORCING PER ASTM A615 (GRADE 60).

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

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 7"

Weight (Net): 1214 lb
Volume (Net): 0.31cu.yd

Job Name: 26-2484 Bass Pro Shops Outpost Paducah
Job Location: Paducah, KY
Contractor: Central Paving Co. of Paducah, Inc.

Plant: Beaver Dam
6/16/2026 8:03:48 AM

Tech: S. Felletter
PC: A. Chambers



Structure ID: Y8 ST-IN

P2 MH048LD12S

MH FLAT TOP w/34"x34" Hole F/G

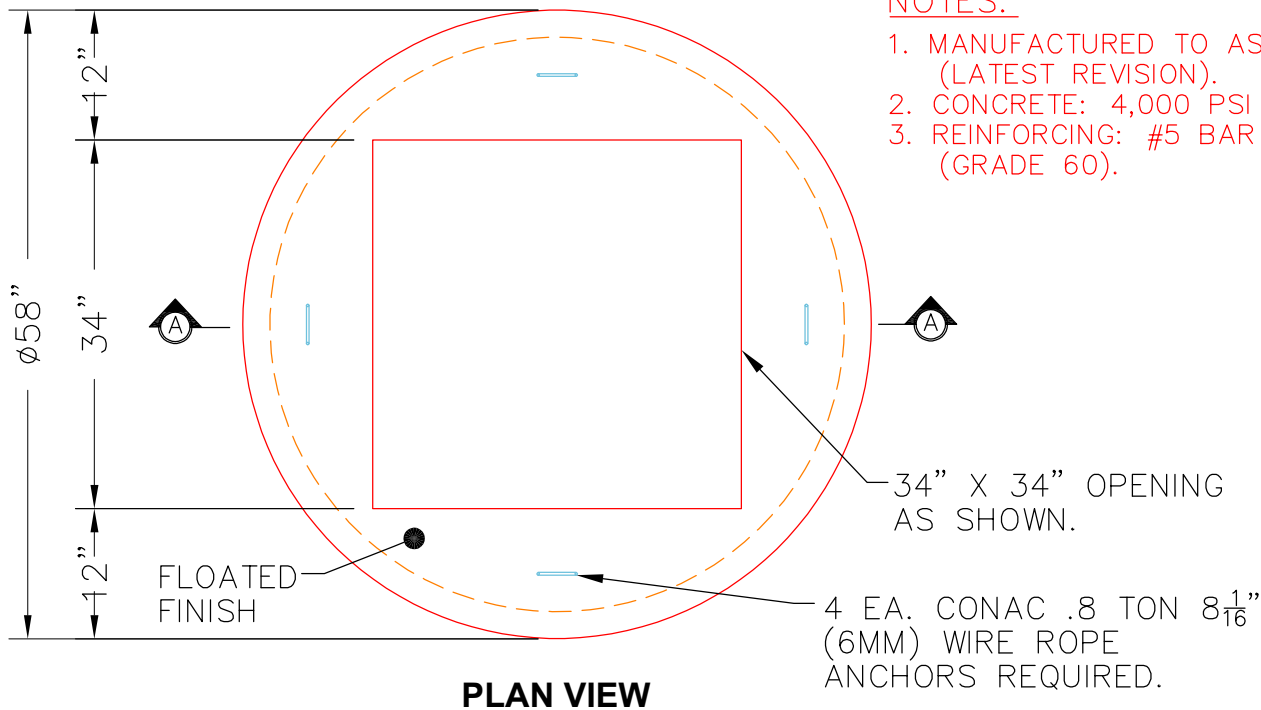
P3) 34" x 34" - CASTING HEIGHT - 3"
P2) 48" - MH FLAT TOP w/34"x34" Hole F/G - 12"
P1) 48" - MH BASE T/n - 48"
1) CASTING - HOE 595 F/G
1) 48" - Conseal CS-102 1.00"
2) Hole - 24

0 lb
1194 lb
4289 lb
376 lb
0 lb
0 lb

Structure Total: 5859 lb

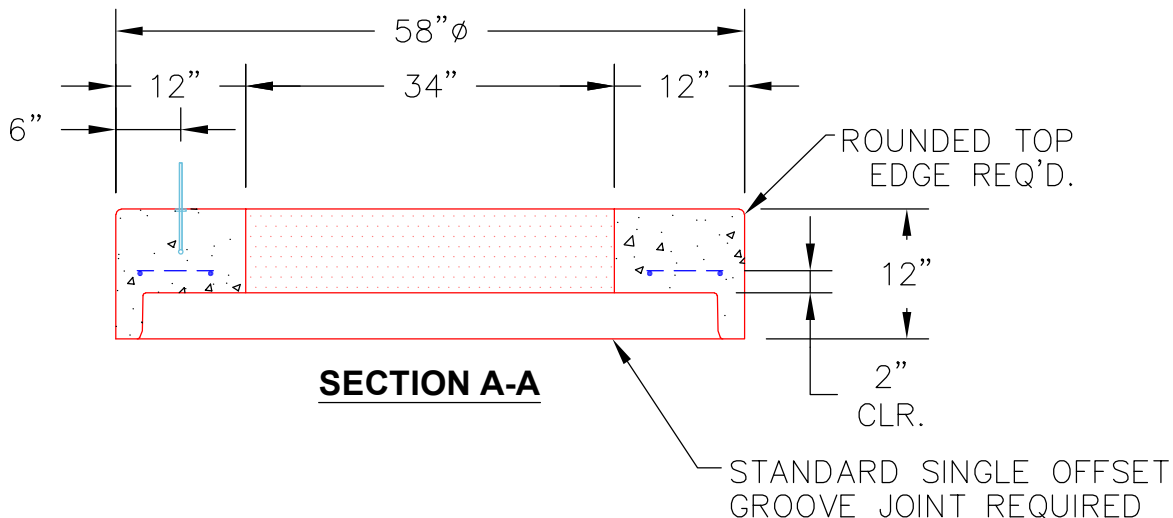
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE 595 F/G).

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): 1194 lb
Volume (Net): 0.3cu.yd

Job Name: 26-2484 Bass Pro Shops Outpost Paducah
Job Location: Paducah, KY
Contractor: Central Paving Co. of Paducah, Inc.

Plant: Beaver Dam
6/16/2026 8:03:47 AM

Tech: S. Felletter
PC: A. Chambers



Structure ID: Y7 ST-IN

P2 MH048LD12S

MH FLAT TOP w/34"x34" Hole F/G

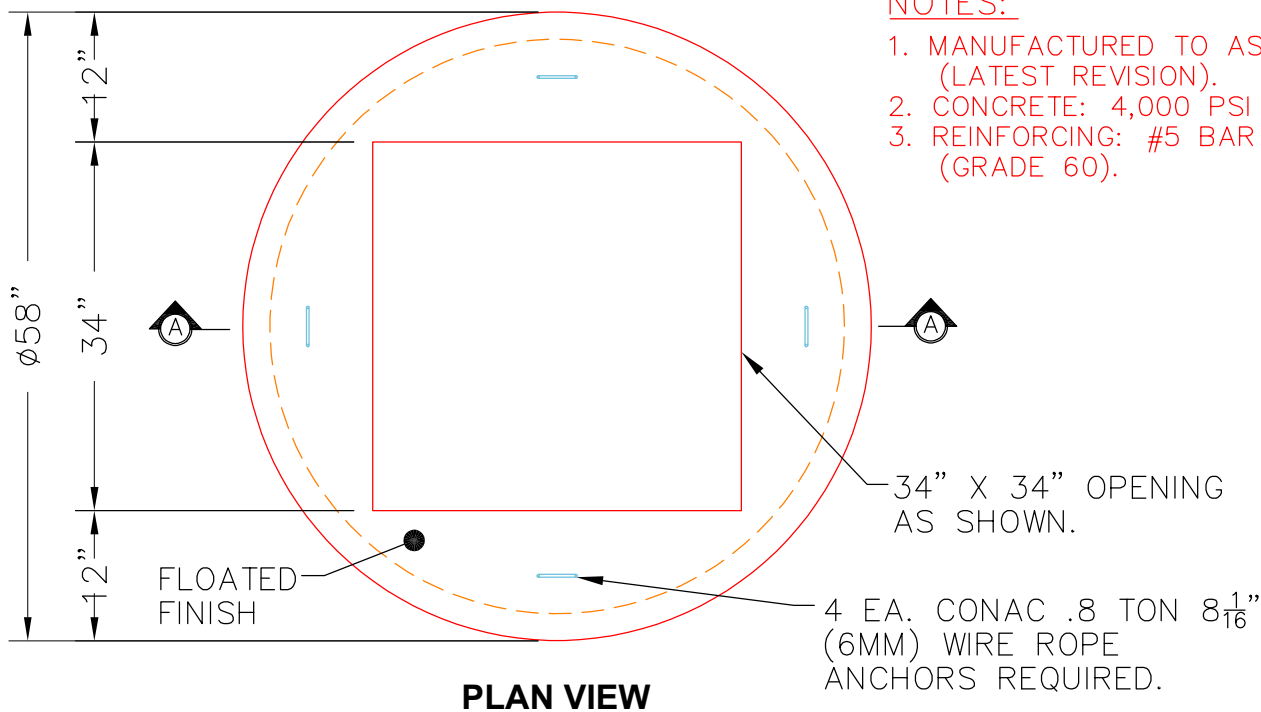
P3) 34" x 34" - CASTING HEIGHT - 3"
P2) 48" - MH FLAT TOP w/34"x34" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 51"
1) CASTING - HOE 595 F/G
1) 48" - Conseal CS-102 1.00"
2) Hole - 24
1) Hole - 16

0 lb
1194 lb
4413 lb
376 lb
0 lb
0 lb
0 lb

Structure Total: 5983 lb

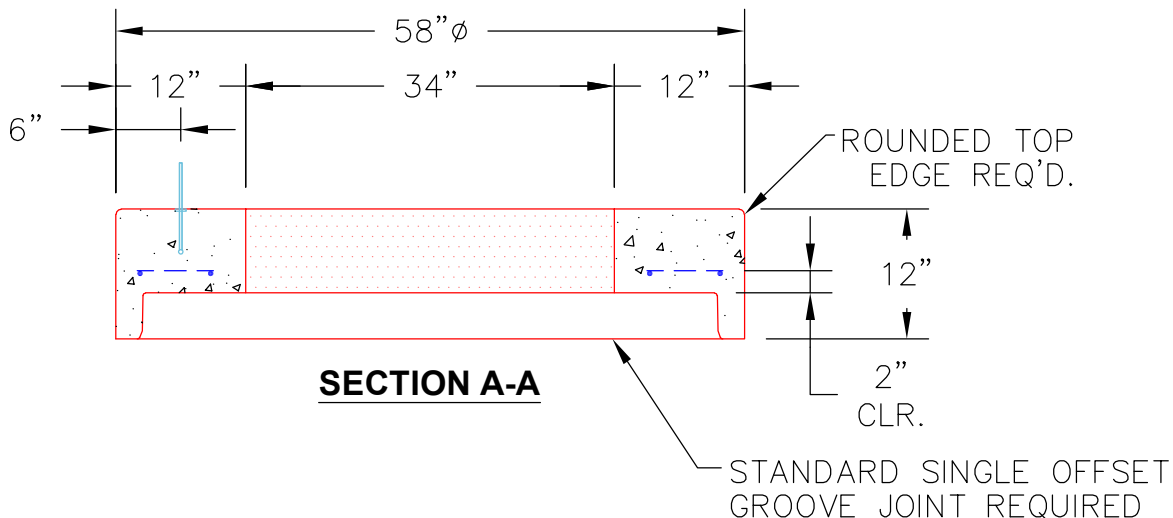
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE 595 F/G).

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"

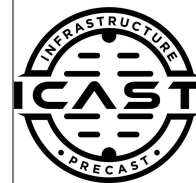
Height (Ext): 12"

Weight (Net): 1194 lb
Volume (Net): 0.3cu.yd

Plant: 100

6/18/2026 11:09:43 AM

Tech:	Jared - F
PC:	A. Chambers



P1 MH060BA48

MH BASE T/n

0 lb
405 lb
2674 lb
6299 lb
250 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 INVERT CHANNEL.
4. CASTING BY ICAST (EJ 6488 O BEEHIVE GRATE).

REINFORCING PER ASTM A615 (GRADE 60).

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

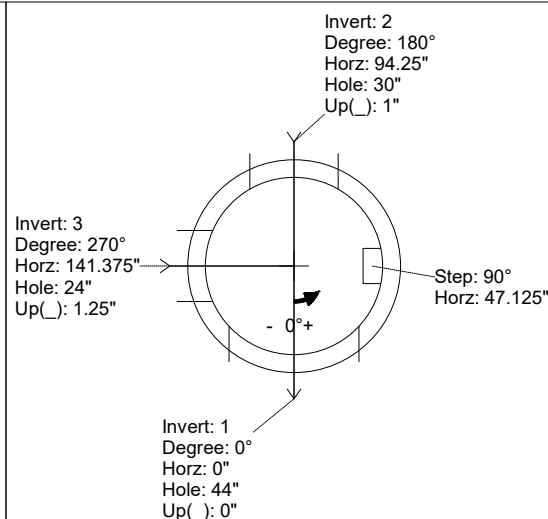
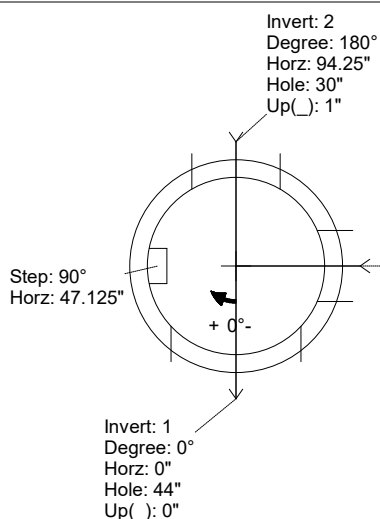
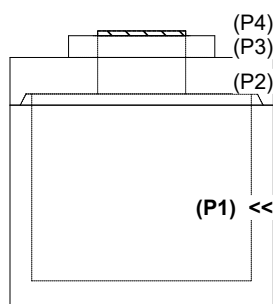
Structure Total: 9628 lb

Rim: 506.8' Rim to Invert: 5.5' Slack: 0.6" Sump: 2.85" Step Position: 90°

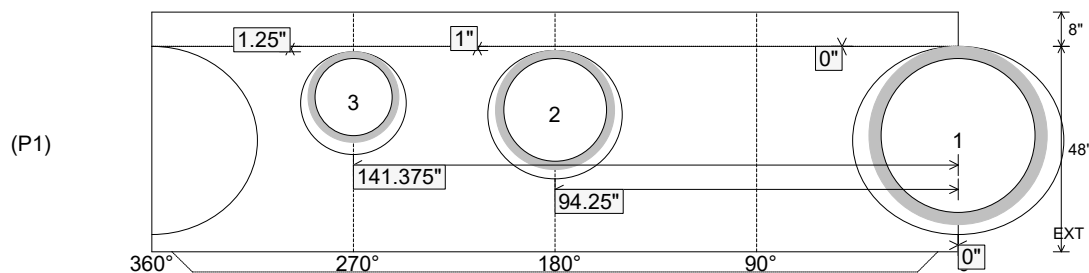
[illegible]

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

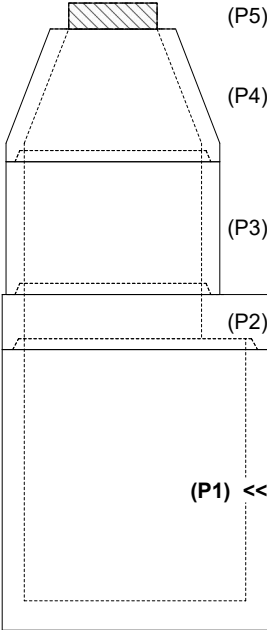
Wall Thickness: 6"
Floor Height: 8"

Height (Int): 48"
Height (Ext): 56"

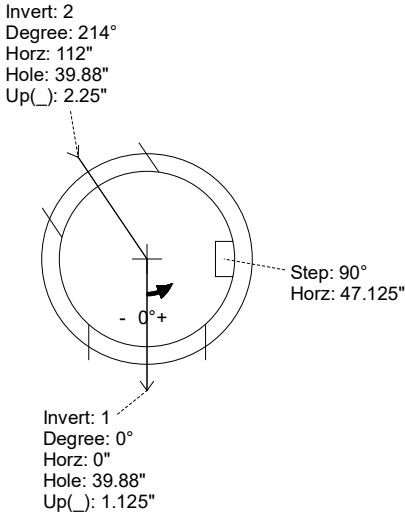
Weight (Net): 6299 lb
Volume (Net): 1.61cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting				Plant: 100 3/20/2026 1:21:31 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301549										
P1 MH060BAVF		MH BASE Custom Ht T/n								
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 36" P3) 48" - MH RISER T/G - 36" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 68" 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 11) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 8477 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- Structure Total: 18143 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 749.81' Rim to Invert: 13.47' Slack: 2.64" Sump: 3" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	736.34'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	736.44'	214°	134.5"	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										

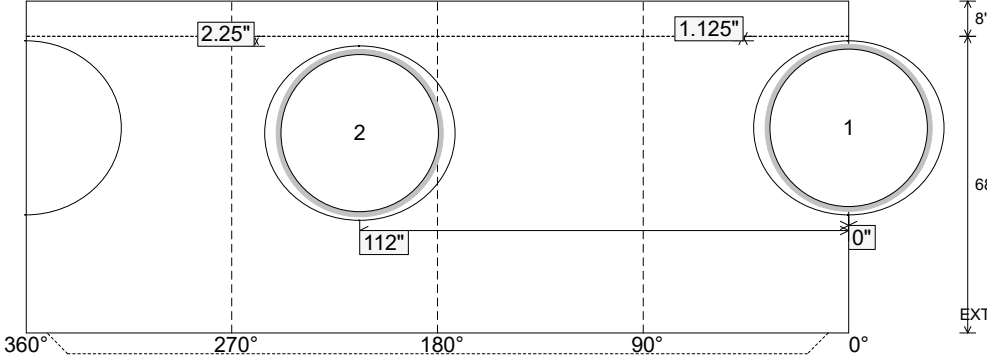
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

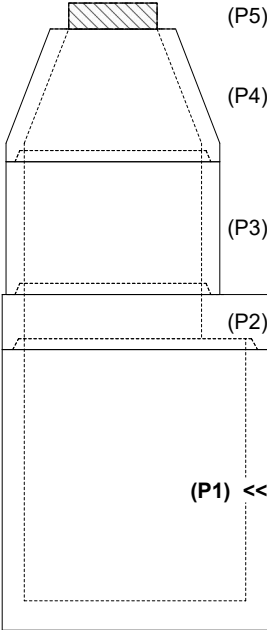


INSIDE WALL DIMENSIONS



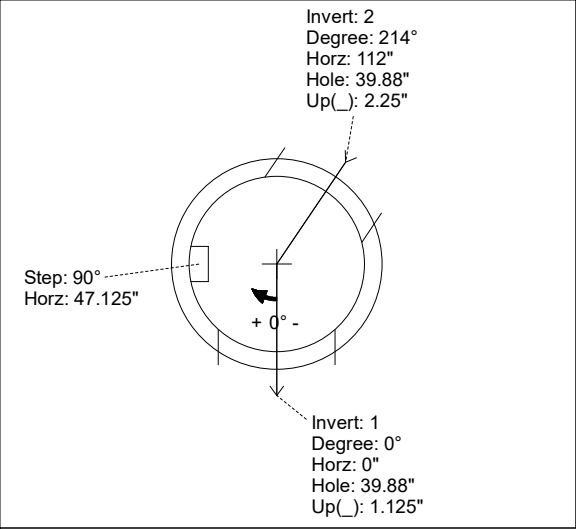
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 68" Height (Ext): 76"	Weight (Net): 8477 lb Volume (Net): 2.16cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/20/2026 1:21:31 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301549											
P1 MH060BAVF			MH BASE Custom Ht T/n								
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 36" P3) 48" - MH RISER T/G - 36" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 68" 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 11) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 8477 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 18143 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS				
Rim: 749.81' Rim to Invert: 13.47' Slack: 2.64' Sump: 3' Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	736.34'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"	
Invert 2	736.44'	214°	134.5"	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											



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

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 214°
Horz: 112"
Hole: 39.88"
Up(): 2.25"

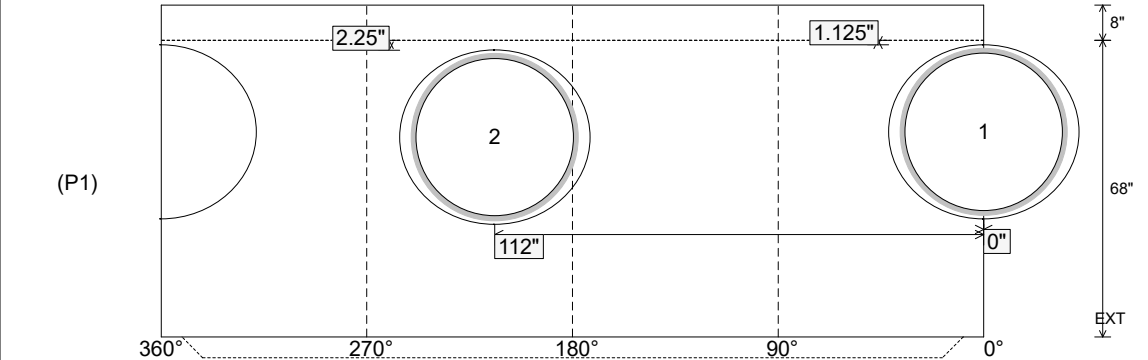
Step: 90°
Horz: 47.125"

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

UPSIDE-DOWN VIEW (int. dimensions)

**INVERT CHANNEL
DRAWING**

INSIDE WALL DIMENSIONS



(P1)

2.25" 1.125" 8" 68" 0" 112" 0"

360° 270° 180° 90° 0°

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 68" Height (Ext): 76"	Weight (Net): 8477 lb Volume (Net): 2.16cu.yd
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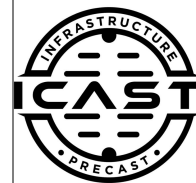
Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
Job Location: Fort Mitchell, KY 41017
Contractor: Lykins Contracting

Plant: 100

3/27/2026 11:40:12 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301549

P2 MH060TS15-48ECC

MH Transition Slab 48" Hole T/G

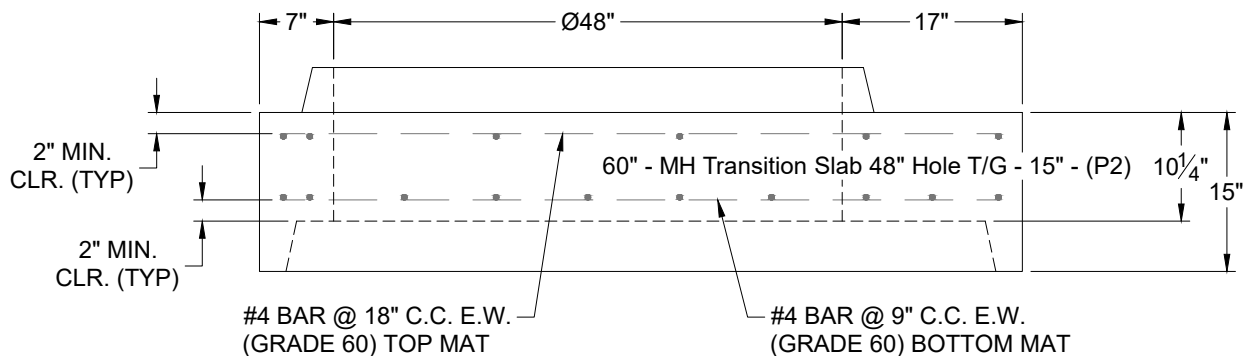
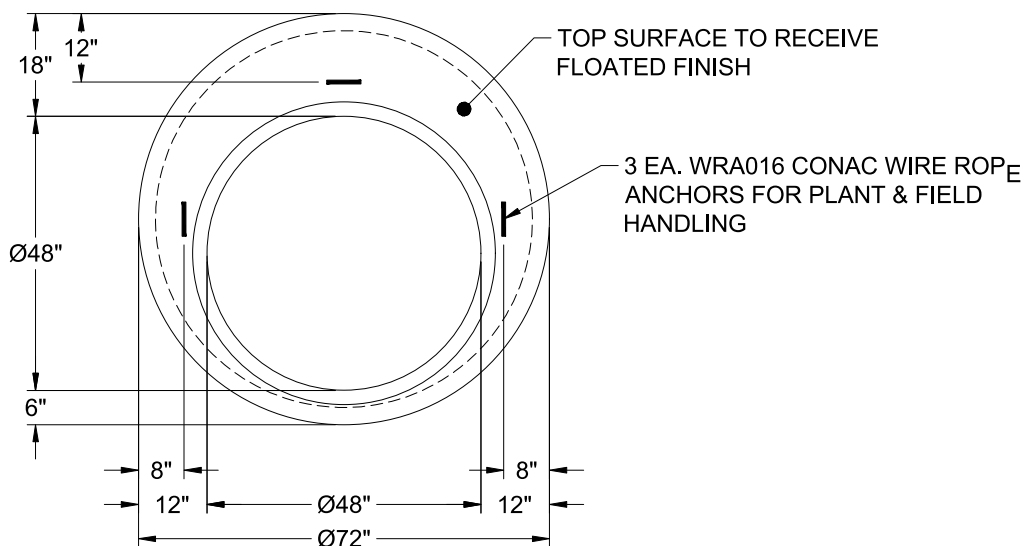
P5) 24" - CASTING HEIGHT - 7"
P4) 48" - CON CONE w/24" HOLE F/G - 36"
P3) 48" - MH RISER T/G - 36"
P2) 60" - MH Transition Slab 48" Hole T/G - 15"
P1) 60" - MH BASE Custom Ht T/n - 68"
1) 60" - MH INVERT CHANNEL - FULL HEIGHT
1) 60" - Conseal CS-102 1.00" (Double)
2) 48" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1235
11) MH Step ML-10-TDS-NCR - 10"

Structure Total:

0 lb
2252 lb
2515 lb
2204 lb
8477 lb
2692 lb
0 lb
0 lb
2 lb
0 lb
18143 lb

Structure Notes:

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



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

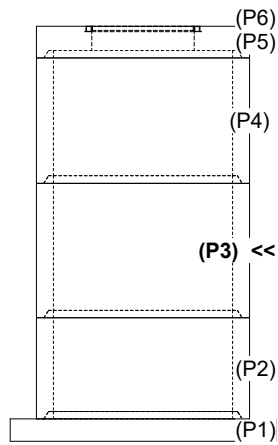
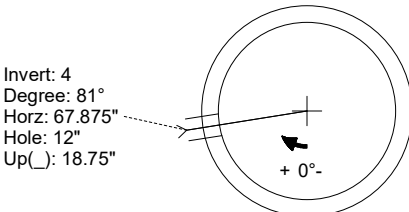
Wall Thickness: 6"

Height (Ext): 15"

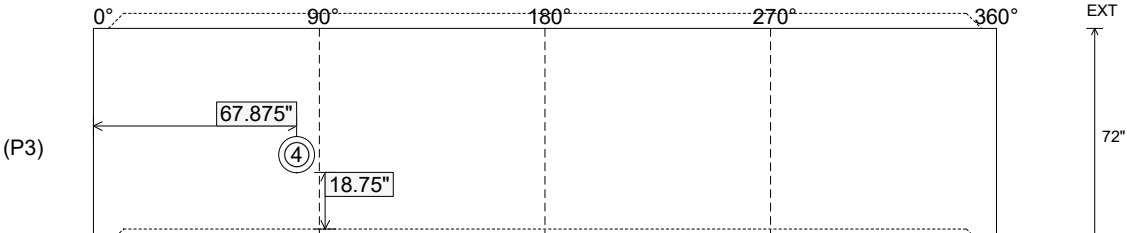
Weight (Net): 2204 lb
Volume (Net): 0.56cu.yd

Job Name: 26-1038 - Perryville & Junction City WW Improvements Job Location: Danville, KY Contractor: Connhurst, LLC					Plant: 100 5/6/2026 4:06:52 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: 61038 (4)											
P3		MH096RS72		MH RISER T/G							
P6) 42" x 55" - HATCH (CAST FLUSH) - 3" P5) 96" - MH FLAT TOP w/42"x55" Hatch F/G - 17" P4) 96" - MH RISER Custom Ht T/G - 67" P3) 96" - MH RISER T/G - 72" P2) 96" - MH RISER T/G - 54" P1) 96" - MH SEPARATE BASE-T EXT. 14" (142" OD) T/n - 12" 1) This Structure Includes a Cast-in Item - 42" x 55" Hatch (Supplied by Others) 4) JOINT WRAP - 12" WD x 096" MAC WRAP 4) 96" - Conseal CS-231 1.00" (Double) 3) PSX - 8QRS-S NYLO 1) PSX - 12-08 NYLO					0 lb 8820 lb 16574 lb 17851 lb 13452 lb 19580 lb 0 lb 0 lb 0 lb 20 lb 8 lb ----- 76305 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. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AT 45°, 135°, 225°, & 315°, 16" FROM TOP OF WALLS				
Rim: 963.5' Rim to Invert: 10.85' Slack: 0" Sump: 74.8" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4	952.65'	81°	80.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.031"	18.75"	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: 9" Floor Height: 0"	Height (Int): 72" Height (Ext): 72"	Weight (Net): 17851 lb Volume (Net): 4.56cu.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 7:51:17 AM

Tech: J. Horsley

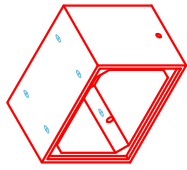
PC: C. Goff



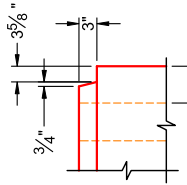
Structure ID: St. 43+62 (PC 10)

P1 BC096072-08WLF-9HC

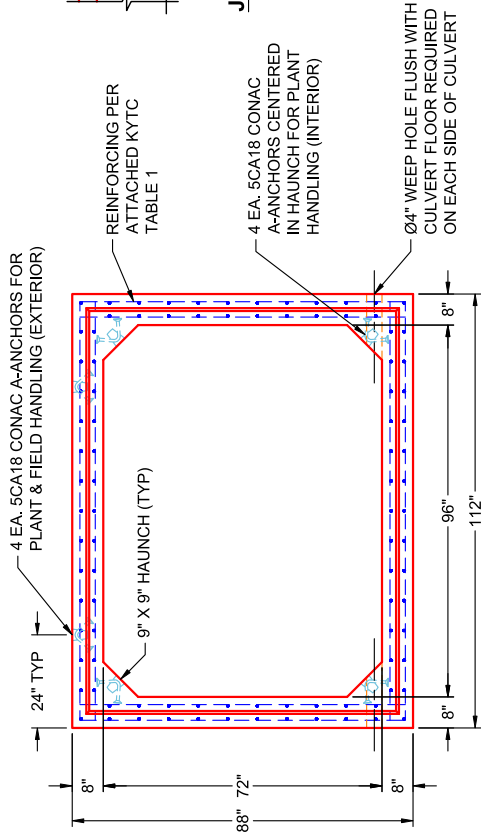
BOX CULVERT (08W/08F/08T) G/T



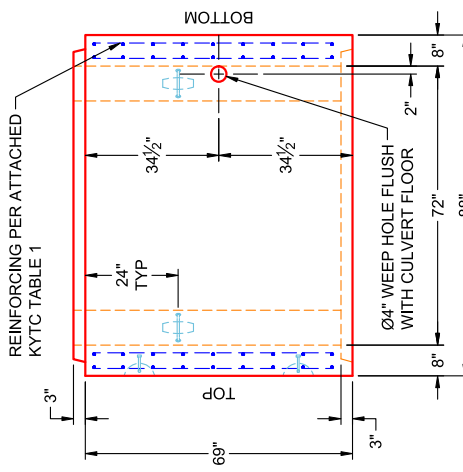
COMPONENT
ISOMETRIC
VIEW



JOINT DETAIL
(TYP)
NTS

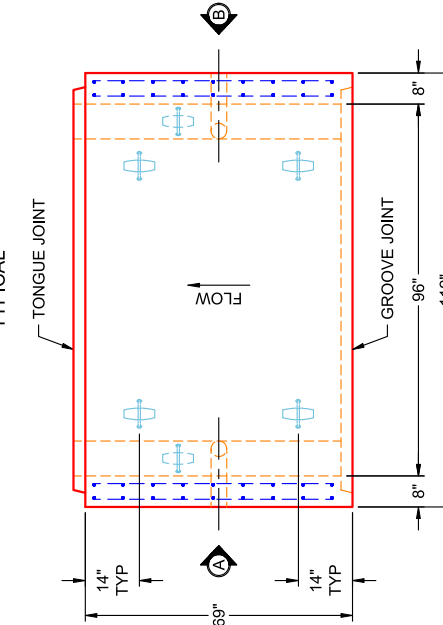


END VIEW
TYPICAL



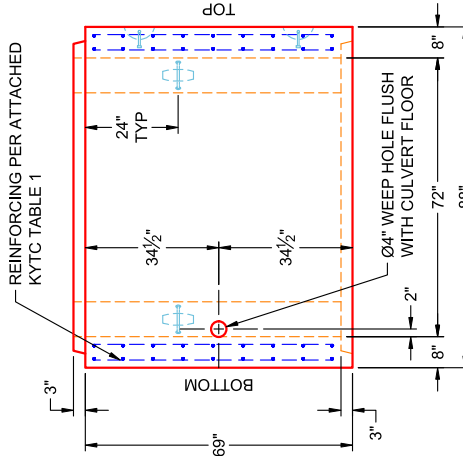
VIEW B
PC 10

(UPRIGHT IN MOLD)



PLAN VIEW
PC 10

(UPRIGHT IN MOLD)



VIEW A
PC 10

(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 10)

ORDER NO: 24-1643B

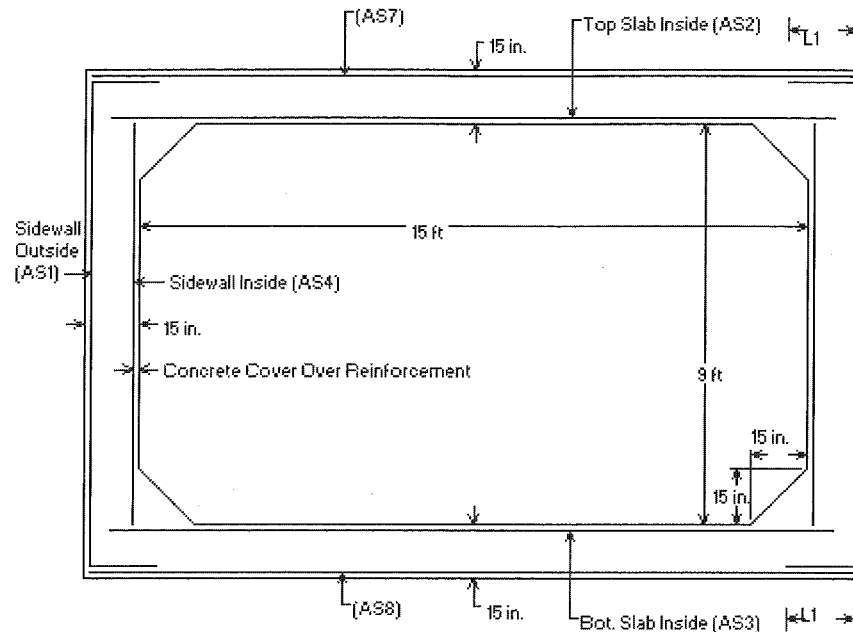
PE: J.H. ROSS

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.

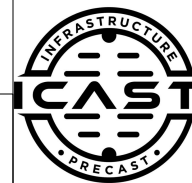
KY Table 1

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		

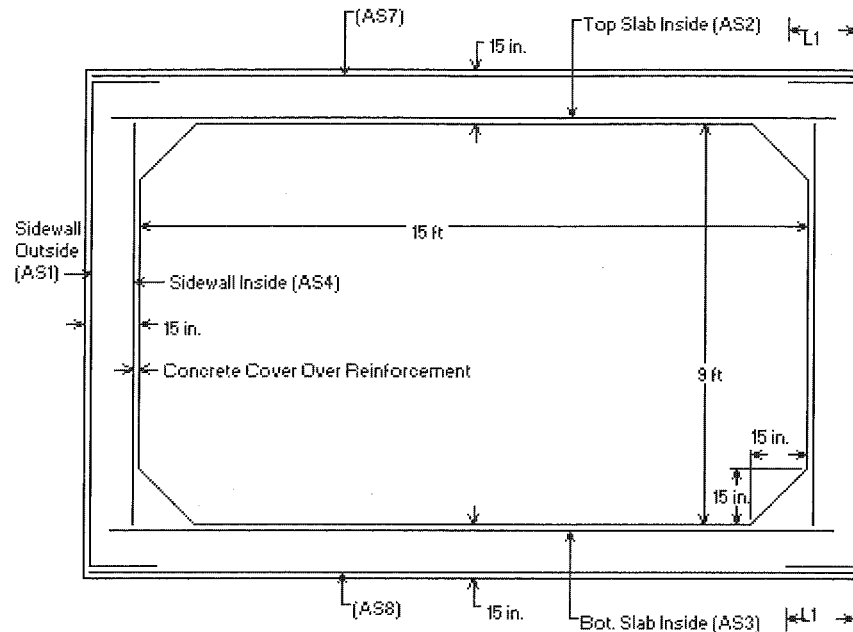
Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x7x8	0<2	0.245	0.557	0.403	0.192	0.192	0.192	0.197	0.192
	2<3	0.243	0.479	0.403	0.192	0.192	0.192	0.192	0.192
	3-5	0.215	0.409	0.378	0.192	0.192	0.192		
	10	0.225	0.378	0.396	0.192	0.192	0.192		
	15	0.295	0.507	0.526	0.192	0.192	0.192		
	20	0.374	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		



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

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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

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

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

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

Job Name: 26-1193 Williamsburg Village Storm
Job Location: Danville, KY
Contractor: May Excavation & Contracting, LLC

Plant: 100
6/19/2026 9:02:20 AM

Tech: Jared - A
PC: Thomas Ryan



Structure ID: JB1-3 JBB

P1 BX2424-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 24" - CASTING HEIGHT - 4"
P2) 24" x 24" - BX FLAT LID 8inW w/CC 24" HOLE - 8"
P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 27"
1) CASTING - HOE KY-206 F/C (KY TY1)
1) 24" x 24" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 20"

- Structure Notes: .
1. HOE KY-206 F/C (KY TY1) PROVIDED BY ICAST.
2. KYTC JUNCTION BOX B1 / PER ASTM C913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. TOP SLAB w KYTC TYPE 1 F/C CAST FLUSH.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As. 62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12: C.C.E.W.

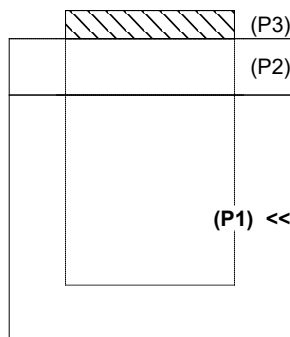
Structure Total: 3941 lb

Rim: 899.5' Rim to Invert: 3.26' Slack: 0.12" Sump: 0" Step Position:

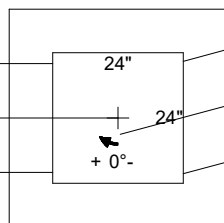
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	896.24'	90°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-2.5"	0"
Invert 2	896.24'	255°	17.747"	15" HDPE	17.6"	Hole 20	20"	20.706"	-2.5"	3"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

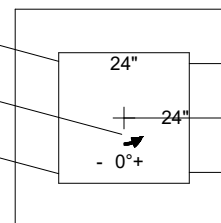


Invert: 1
Degree: 90°
Horz: 12"
Hole: 20"
Up() : -2.5"



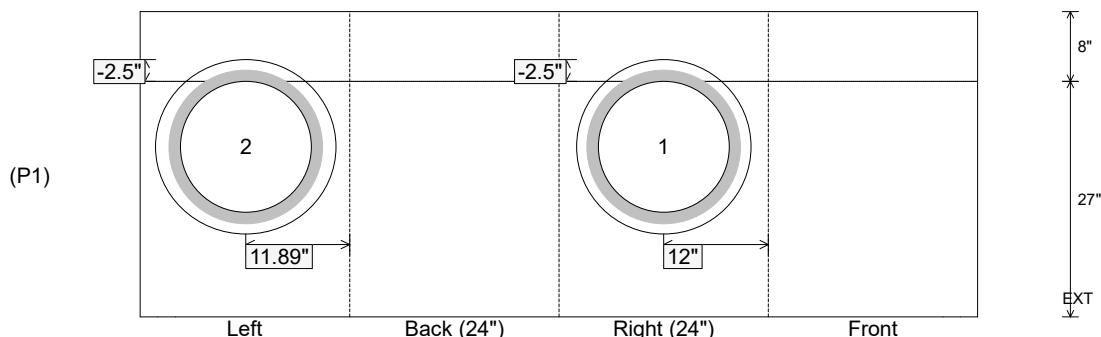
Invert: 2
Degree: 255°
Horz: 11.89"
Hole: 20"
Up() : -2.5"

Invert: 2
Degree: 255°
Horz: 11.89"
Hole: 20"
Up() : -2.5"



Invert: 1
Degree: 90°
Horz: 12"
Hole: 20"
Up() : -2.5"

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 27"
Height (Ext): 35"

Weight (Net): 2965 lb
Volume (Net): 0.76cu.yd

Job Name: 26-1279 Hilltopper Hall Ph. 2

Job Location: Bowling Green, KY

Contractor: Stewart Richey

Plant: Beaver Dam

6/24/2026 8:45:25 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 5-6 ST-CB

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) CASTING - HOE 165A F/G

1) 18" x 18" - Conseal CS-102 1.00"

2) Hole - 16

0 lb

1411 lb

138 lb

0 lb

0 lb

Structure Total: 1549 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE 165-A F/G).

REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

Rim: 545.65'

Rim to Invert: 2.56'

Slack: 2.72"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	543.09'	0°	15"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 2	543.09'	180°	15"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

(P2)

(P1) <<

Invert: 2
Degree: 180°
Horz: 9"
Hole: 16"
Up(): -1.25"

18"

18"

+ 0° -

Invert: 1
Degree: 0°
Horz: 9"
Hole: 16"
Up(): -1.25"

Invert: 2
Degree: 180°
Horz: 9"
Hole: 16"
Up(): -1.25"

18"

18"

- 0° +

Invert: 1
Degree: 0°
Horz: 9"
Hole: 16"
Up(): -1.25"

INSIDE WALL DIMENSIONS

Left

Back (18")

Right (18")

Front

-1.25"

9"

2

1

-1.25"

9"

6"

24"

EXT

Coating (Int):

Coating (Ext):

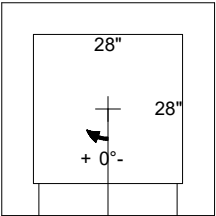
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

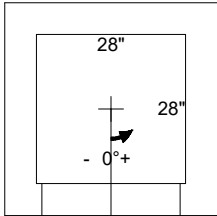
Height (Int): 24"
Height (Ext): 30"

Weight (Net): 1411 lb
Volume (Net): 0.36cu.yd

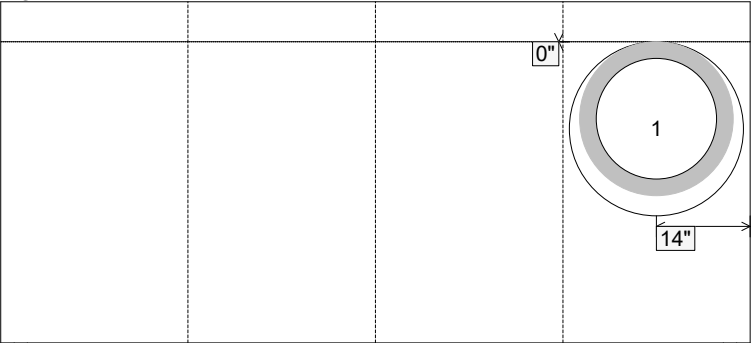
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:56 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R7											
P1		BX28280606VH		BOX BASE 6inW, 6inF, Variable Ht F/n							
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 45" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 26					0 lb 3619 lb 450 lb 250 lb 0 lb 0 lb ----- 4319 lb Structure Total:		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 570.15' Rim to Invert: 4.01' Slack: 0.62" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	566.14'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



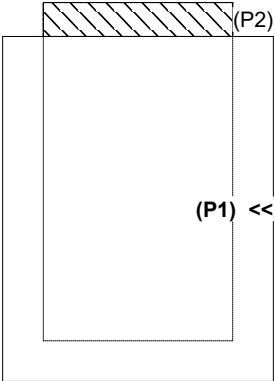
Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(_): 0"



Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(_): 0"



Left Back (28") Right (28") Front



(P1) << (P2)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 45" Height (Ext): 51"	Weight (Net): 3619 lb Volume (Net): 0.92cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:36:56 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R7

P1BX28280606VH

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

P2) 28" x 28" - CASTING HEIGHT - 5"

P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 45"

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

1) CASTING - JBS 3104-V SINGLE SET

1) 28" x 28" - Conseal CS-102 1.00"

1) Hole - 26

0 lb

3619 lb

450 lb

250 lb

0 lb

0 lb

Structure Total: 4319 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: 570.15'

Rim to Invert: 4.01'

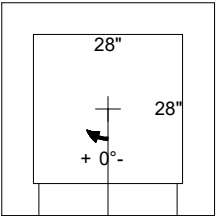
Slack: 0.62"

Sump: 2.5"

Step Position:

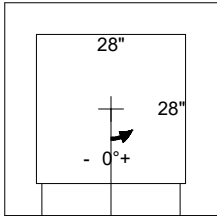
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	566.14'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(): 0"

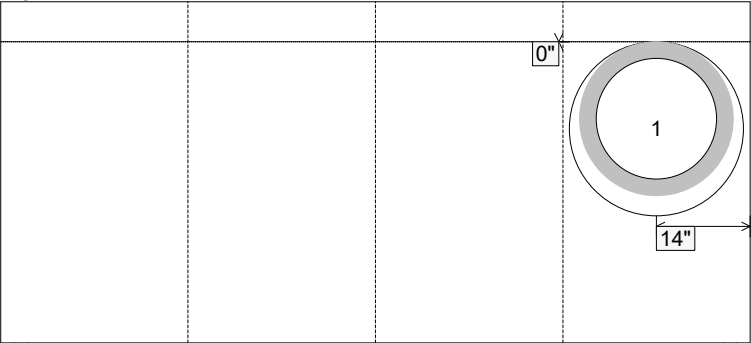
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(): 0"

INSIDE WALL DIMENSIONS

(P1)



6"
45"
14"

Left

Back (28")

Right (28")

Front

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 6"

Height (Int): 45"

Height (Ext): 51"

Weight (Net): 3619 lb

Volume (Net): 0.92cu.yd

Plant: Beaver Dam

6/9/2026 10:46:21 AM

Tech:	S. Felletter
PC:	Erica Bradley



P2 BX4848-08RVF

BOX RISER 8inW, Variable Ht F/G

0 lb
2866 lb
7519 lb
9184 lb
450 lb
250 lb
0 lb
0 lb
0 lb

Structure Notes:

1. PER TDOT D-CB-10SB / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3123 MOD SET).

REINFORCING PER ASTM A615 (GRADE 60).

**** SEE TDOT STD DRAWING D-CB-10SB ****

- 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: 20269 lb

[illegible]

Diagram illustrating a multi-layered structure with four layers labeled (P1), (P2), (P3), and (P4). The layers are stacked vertically. Layer (P1) is the bottom-most layer. Layer (P2) is above (P1) and contains a horizontal line with a small gap. Layer (P3) is above (P2) and contains a shaded rectangular region. Layer (P4) is the top-most layer and contains a hatched rectangular region.

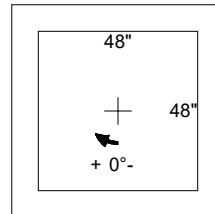
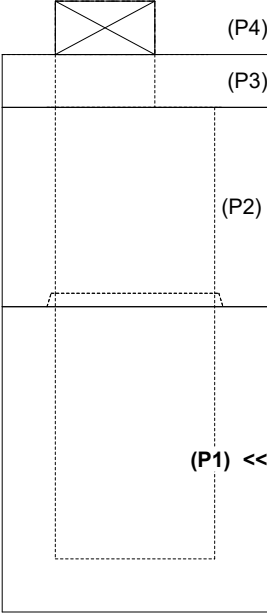
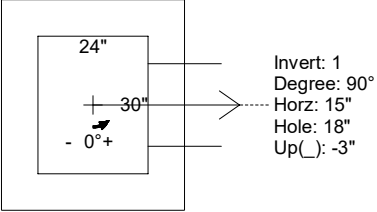
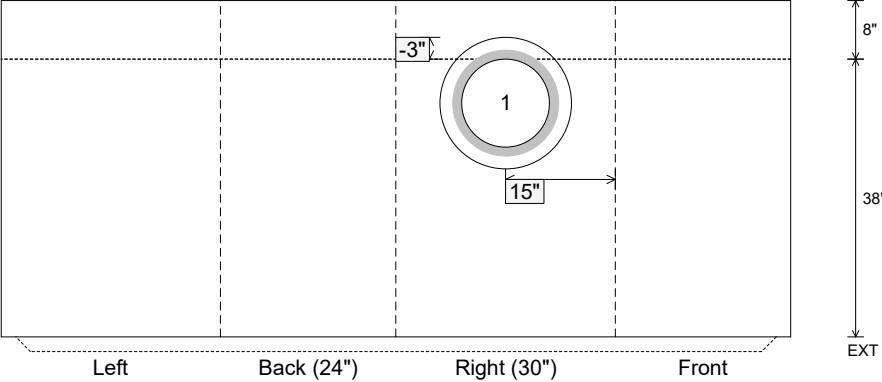


Diagram of a rectangular table with the following dimensions and labels:

- Length:** 192" (divided into four equal sections of 48" each).
- Width:** 50".
- Labels:** Front, Right (48"), Back (48"), Left.
- Other Labels:** (P2) on the left side, EXT on the right side.

Weight (Net): 7519 lb
Volume (Net): 1.92cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/12/2026 3:09:27 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 73											
P1 BX24300808VF BOX BASE 8inW, 8inF, Variable Ht T/n											
P4) 15" x 27" - P.I.P. - BY OTHERS - 8" P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8" P2) 24" x 30" - BOX RISER 8inW F/G - 30" P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 38" 2) 24" x 30" - Conseal CS-102 1.00" 1) 15" x 27" - Conseal CS-102 1.00" 1) Hole - 18 2) Hole - 4						0 lb 963 lb 2803 lb 4636 lb 0 lb 0 lb 0 lb 0 lb ----- 8402 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TYPE 13G / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-230G FRAME & GRATE SUPPLIED BY OTHERS - POURED IN PLACE BY OTHERS			
Rim: 551.7' Rim to Invert: 7' Slack: 0" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	544.7'	90°	23"	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) INSIDE WALL DIMENSIONS											
 (P4) (P3) (P2) (P1) <<  Invert: 1 Degree: 90° Horz: 15" Hole: 18" Up(): -3"  (P1) Left Back (24") Right (30") Front 8" 38" EXT											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 38" Height (Ext): 46"		Weight (Net): 4636 lb Volume (Net): 1.18cu.yd		

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

Job Location: Indiana, KY

Contractor: Louisville Paving and Construction

Plant: 100

6/12/2026 3:09:51 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 72

P1 BX2424-08BAVF

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

P4) 8" x 120" - CB INLET KY B 10' TOP F/G - 9"

P3) 24" x 120" - CB INLET KY B 10' BOTTOM SAG T/G - 17"

P2) 24" x 24" - BOX RISER 8inW T/G - 24"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht T/n - 40"

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

1) Hole - 18

1660 lb

2650 lb

2062 lb

4340 lb

0 lb

0 lb

Structure Total: 10712 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC CBI TYPE B (10') / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

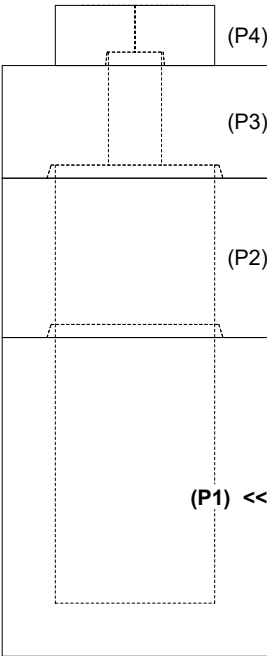
3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. KY-345 FRAMES & GRATE SUPPLIED BY OTHERS - POURED IN PLACE BY OTHERS

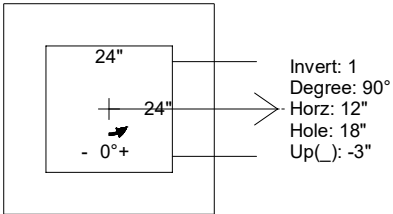
Rim: 552.09' Rim to Invert: 7.5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	544.59'	90°	20"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

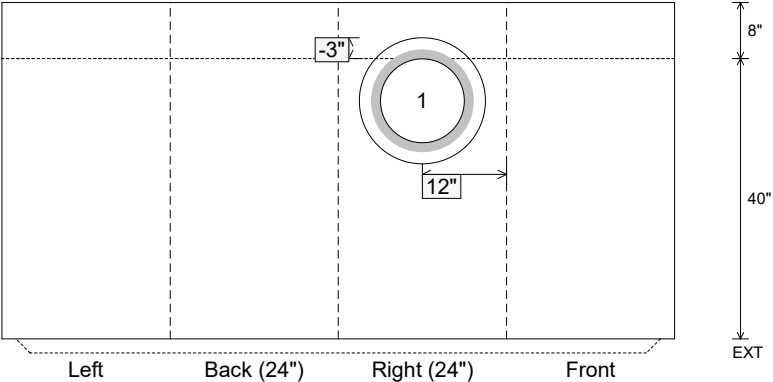
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

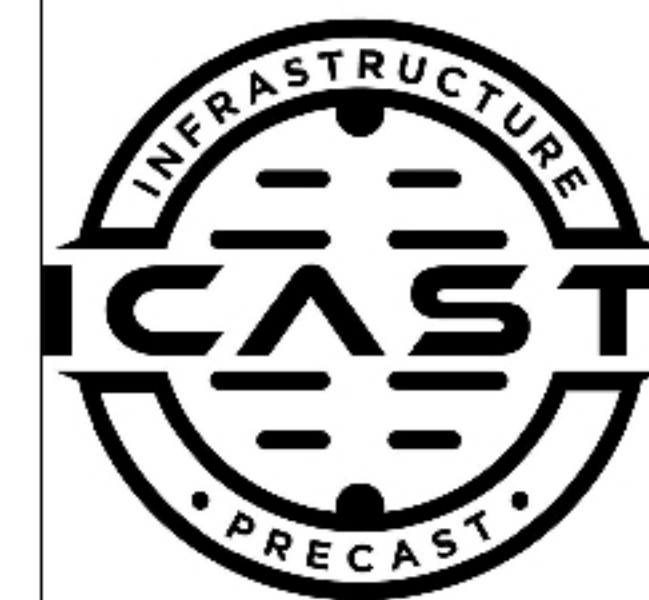
Floor Height: 8"

Height (Int): 40"

Height (Ext): 48"

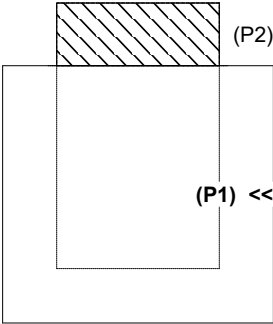
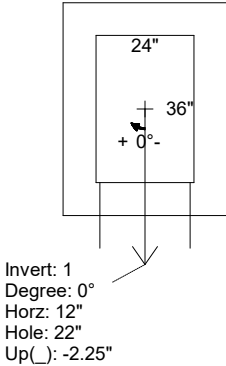
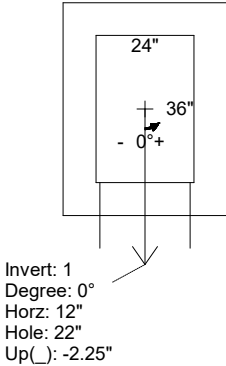
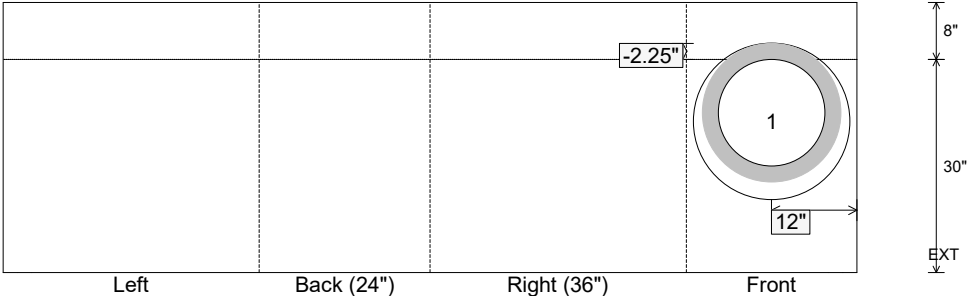
Weight (Net): 4340 lb

Volume (Net): 1.11cu.yd



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

Weight (Net): 4652 lb
Volume (Net): 1.19cu.yd

Job Name: 26-2056 - John Stigall Change Order #2 Job Location: Danville, KY Contractor: Todd Johnson Contracting, Inc.					Plant: 100 6/16/2026 7:38:33 PM		Tech: Jared - F PC: M. Sullivan			
Structure ID: CI J-1 CID										
P1 BX2436-08BA30 BOX BASE 8inW, 8inF F/n										
P2) 24" x 36" - CASTING HEIGHT - 9.25" P1) 24" x 36" - BOX BASE 8inW, 8inF F/n - 30" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22"					0 lb 4202 lb 0 lb 0 lb ----- Structure Total: 4202 lb		<u>Structure Notes:</u> 1. PER LEFUCG CBI TYPE D / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS. 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: 963.8' Rim to Invert: 3.42' Slack: 1.79" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	960.38'	0°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimensions)										
										
INSIDE WALL DIMENSIONS										
(P1)										
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 30" Height (Ext): 38"		Weight (Net): 4202 lb Volume (Net): 1.07cu.yd	

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/12/2026 3:10:10 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 147											
P1		MH048BA30		MH BASE F/n							
P3) 24" - CASTING HEIGHT - 8" P2) 48" - MH FLAT LID w/24in ECC Hole F/F - 7" P1) 48" - MH BASE F/n - 30" 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 20 1) Hole - 22 2) MH Step ML-10-TDS-NCR - 10"					0 lb 1286 lb 2991 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 0 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC MANHOLE TYPE A / ASTM C-478 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STORM INVERT 5. STEPS AT 70 DEGREES 6. HOE KY-510 FRAME & COVER "STORM" SUPPLIED BY OTHERS				
Structure Total: 4277 lb											
Rim: 552.92' Rim to Invert: 3.57' Slack: 0.86" Sump: 3.02" Step Position: 70°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	549.35'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	0.5"	0"	
Invert 2	549.39'	135°	68.375"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	0"	0"	
Invert 3	549.39'	250°	126.5"	15" HDPE	17.6"	Hole 20	20"	20.629"	1"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INVERT DATA

INVERT: 1
Degree: 0°
Horz: 0"
Hole: 20"
Up(): 0.5"

INVERT: 2
Degree: 135°
Horz: 56.5"
Hole: 22"
Up(): 0"

INVERT: 3
Degree: 250°
Horz: 104.75"
Hole: 20"
Up(): 1"

Step: 70°
Horz: 29.375"

INSIDE WALL DIMENSIONS

360°

270°

180°

90°

0°

1"

0"

0.5"

104.75"

56.5"

0"

30"

6"

EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 2991 lb Volume (Net): 0.76cu.yd
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Job Name: 26-1051 - HAMPTON 500

Job Location: Hampton Station, TN

Contractor: TVA

Plant: 100

6/18/2026 11:09:42 AM

Tech: Jared - F

PC: A. Chambers



Structure ID: 3 (7)

P1 MH048BA30

MH BASE F/n

P4) 24" - CASTING HEIGHT - 1.25"

P3) 24" - GRADE RING F/F - 6"

P2) 48" - MH FLAT TOP w/ 24" Center Hole F/F - 7"

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

1) CASTING - EJ 6488 O Beehive Grate

1) 48" - Conseal CS-102 1.00"

2) 24" - Conseal CS-102 1.00"

1) Hole - 24

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

0 lb

405 lb

1700 lb

3229 lb

250 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 5584 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. NO INVERT CHANNEL.

4. CASTING BY ICAST (EJ 6488 O BEEHIVE GRATE).

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: 506.8'

Rim to Invert: 3.6'

Slack: 0.55"

Sump: 1.6"

Step Position: 180°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	503.2'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	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)

(P4)

(P3)

(P2)

(P1) <<

Step: 180°

Horz: 75.375"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 24"

Up(_): 0"

Step: 180°

Horz: 75.375"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 24"

Up(_): 0"

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

0"

6"

30"

0"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 5"

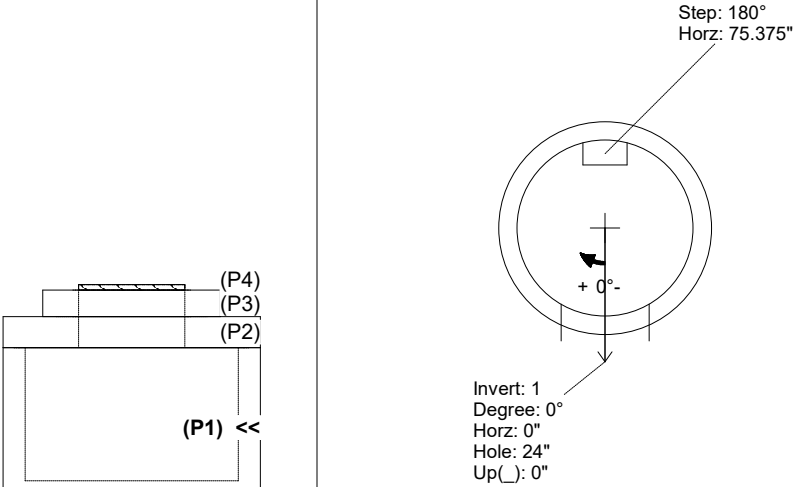
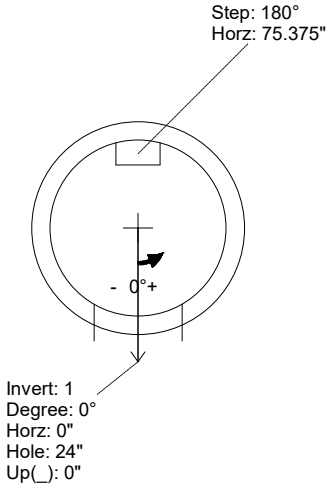
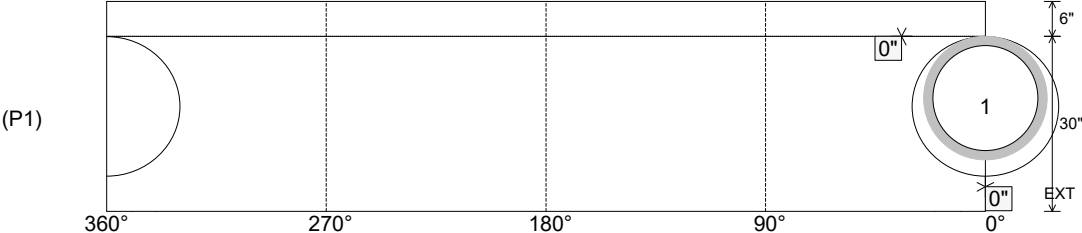
Floor Height: 6"

Height (Int): 30"

Height (Ext): 36"

Weight (Net): 3229 lb

Volume (Net): 0.82cu.yd

Job Name: 26-1051 - HAMPTON 500 Job Location: Hampton Station, TN Contractor: TVA					Plant: 100 6/18/2026 11:09:41 AM		Tech: Jared - F PC: A. Chambers				
Structure ID: 1 (5)											
P1		MH048BA30		MH BASE F/n							
P4) 24" - CASTING HEIGHT - 1.25" P3) 24" - GRADE RING F/F - 6" P2) 48" - MH FLAT TOP w/ 24" Center Hole F/F - 7" P1) 48" - MH BASE F/n - 30" 1) CASTING - EJ 6488 O Beehive Grate 1) 48" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 1) Hole - 24 2) MH Step ML-10-TDS-NCR - 10"						0 lb 405 lb 1700 lb 3229 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 5584 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (EJ 6488 O BEEHIVE GRATE). 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: 506.8'		Rim to Invert: 3.6'		Slack: 0.55"		Sump: 1.6"		Step Position: 180°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	503.2'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	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: Flat Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 30" Height (Ext): 36"		Weight (Net): 3229 lb Volume (Net): 0.82cu.yd		

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

Plant: Beaver Dam

6/9/2026 10:40:19 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R12

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 - 48"
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"
2) Hole - 26
4) MH Step ML-10-TDS-NCR - 10"

0 lb
290 lb
1368 lb
4217 lb
1075 lb
250 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 7200 lb

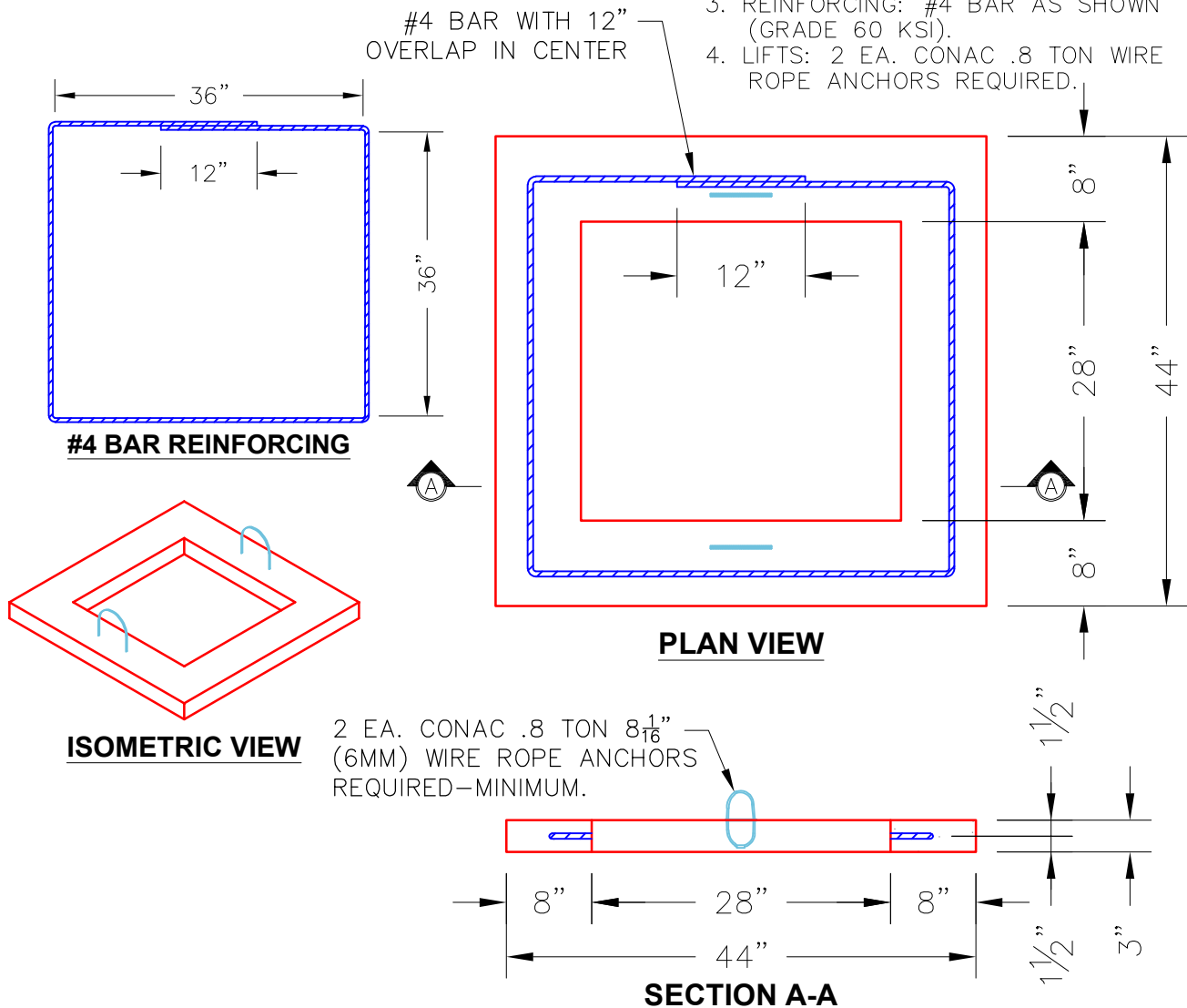
Structure Notes:

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: 26-1051 - HAMPTON 500
Job Location: Hampton Station, TN
Contractor: TVA

Plant: 100
6/18/2026 11:12:12 AM

Tech: Jared - F
PC: A. Chambers



Structure ID: 61051 (2) B

P1 HWA18F

18" - HW AW w/FLAT BOTTOM F/F

DIMENSIONS & QUANTITIES									
TYPE	PIPE Ø	A	B	C	D	E	F	H	WEIGHT
AW	18"	2'-8"	2'-8"	2'-6"	2'-2"	2'-0"	6"	4'-0"	1,380 LBS.

NOTES:

1. CONCRETE: 4500 PSI AT 28 DAYS MINIMUM COMPRESSIVE STRENGTH.
2. REINFORCING: #4 BAR @ 12" C/C E.W. - GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH NON-SHRINK GROUT AFTER SETTING.
5. PREFORMED STEPPED HOLE SIZED AS PER O.D. OF PIPE + 3" - 4".
6. OPTIONAL FOOTING (TOE) AVAILABLE FOR ALL SIZES.

PLAN VIEW

FRONT ELEVATION

ISOMETRIC VIEW

PRODUCTION WORK ORDER		PRODUCT I.D.: HWA18F	
QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ STEPPED HF CORRECT SIZE. ☐ REINFORCING CORRECT. ☐ CLEARANCE ON REINFORCING CORRECT. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	DESCRIPTION: 18in AW WINGED HEADWALL, FLAT	
	PLANT: BEAVER DAM, KY.	CUSTOMER: STOCK	
	WEIGHT: 1,380 LBS.	PROJECT: STOCK	
	TOP SECTION JOINT: N/A	STRUCTURE ID.: T.B.D.	
	BASE SECTION JOINT: N/A	SALES ORDER NO: T.B.D.	
QC CHECK INITIALS:	PC: B. KELLY	DRAWING: J. HORSLEY	
	DATE: 10/30/23	SCALE: NTS	
		PG. 1 of 1	

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

Job Name: 26-1456 Double Kwik
Job Location: Whitesburg, KY
Contractor: Rising Sun Development Company

Plant: Beaver Dam
6/18/2026 3:06:09 PM

Tech: S. Felletter
PC: E. Bradley

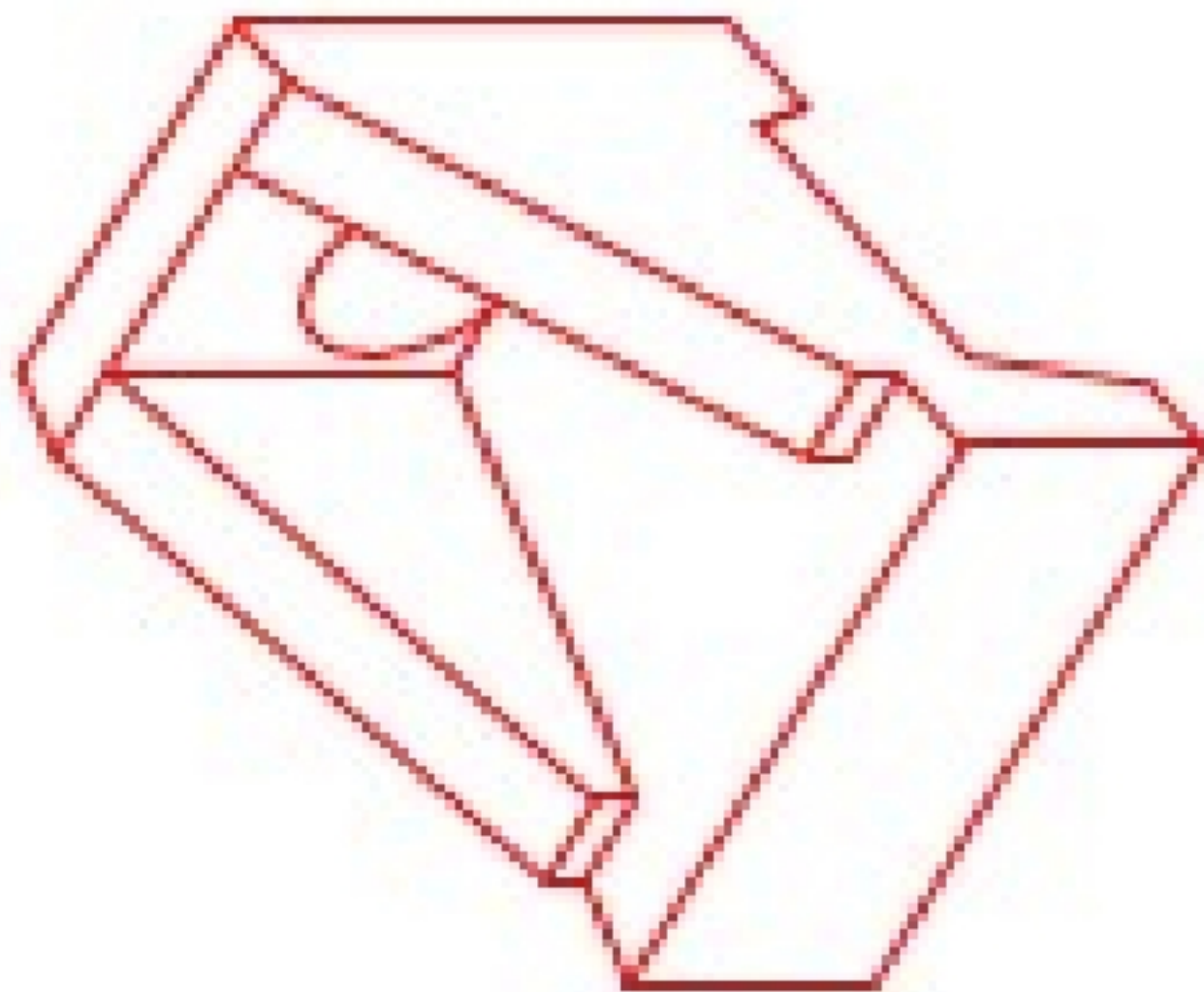


Structure ID: 2 HW (3)

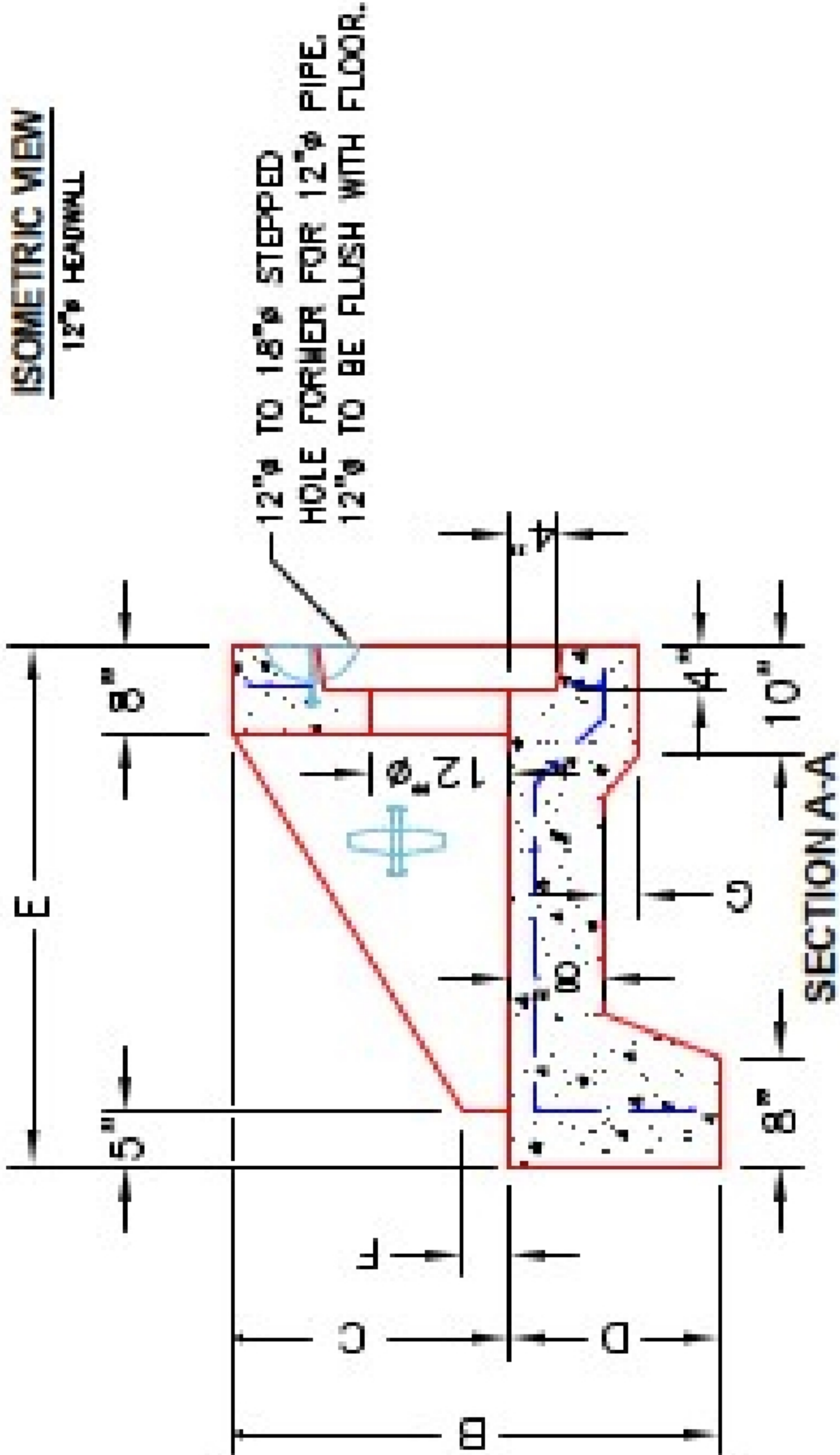
P1 HWSF12

12" - SLOPED & FLARED HEADWALL F/F

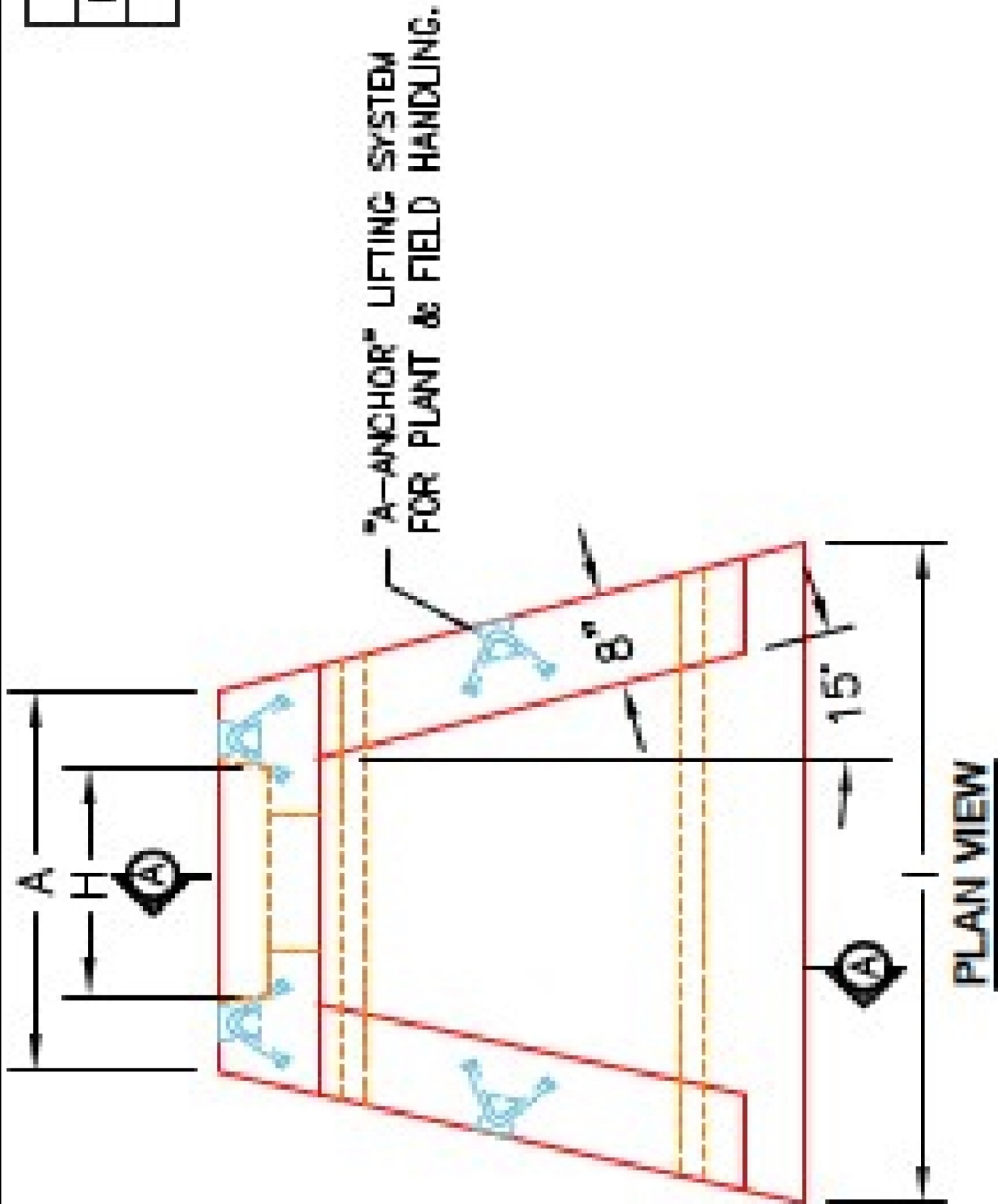
DIMENSIONS										
PPE Ø	A	B	C	D	E	F	G	H	I	WEIGHT
12"	2'-0"	3'-6"	2'-0"	1'-6"	4'-0"	3"	28"	1'-8"	4'-0"	3,161 LBS.



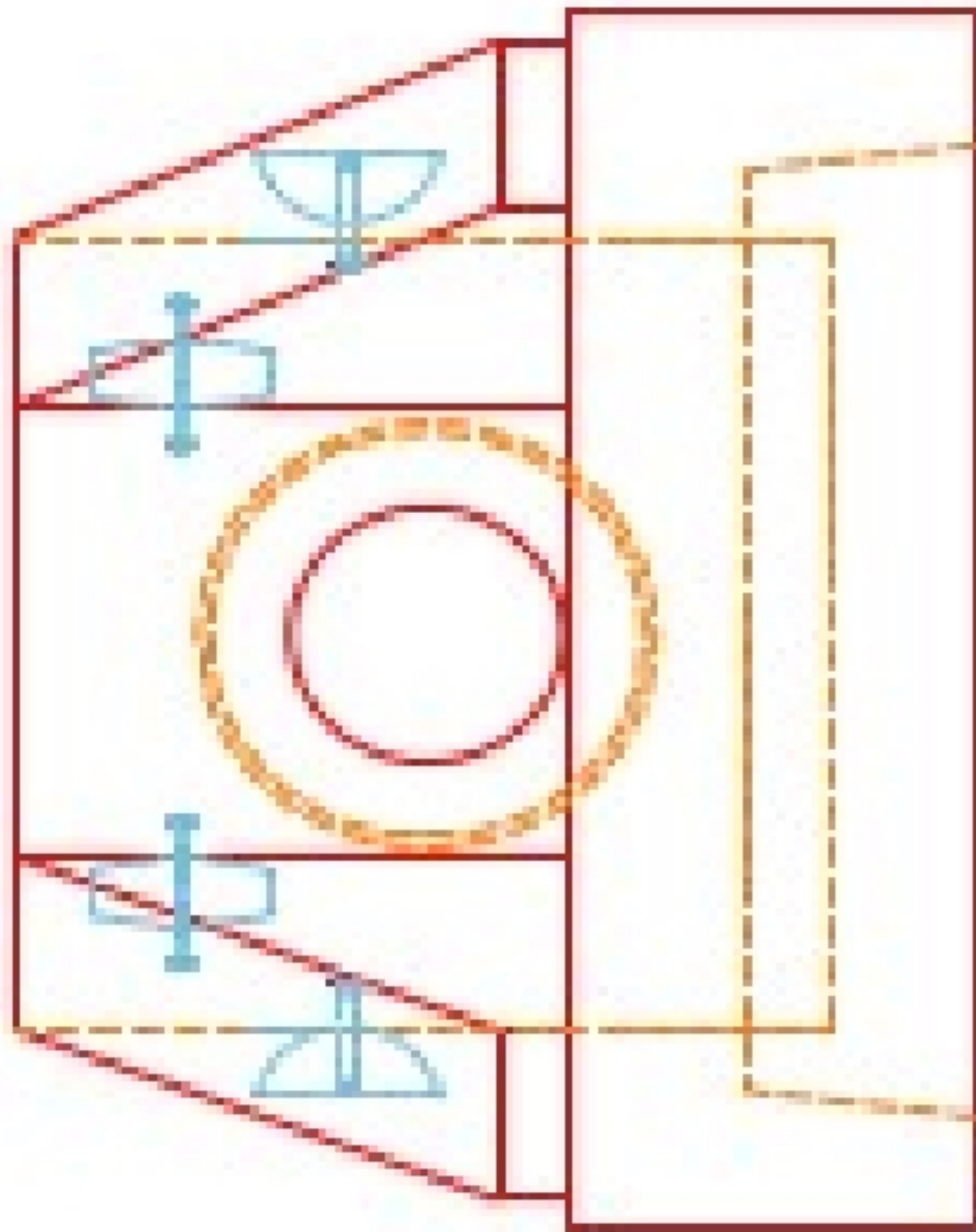
ISOMETRIC VIEW
12" HEADWALL



SECTION A-A



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



FRONT ELEVATION

- NOTES:
1. CONCRETE: 4500 PSI @ 28 DAYS.
 2. REINFORCING: #4 BAR @ 12" C/C E/W - GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
 3. REINFORCING BARS TO BE TACK WELDED OR TIED.
 4. DRAWING TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWING RDH-020-03 AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 5. # CHAMFER ON ALL EXPOSED EDGES.

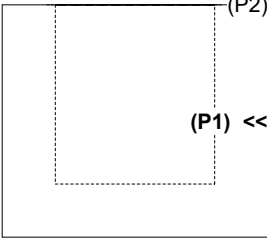
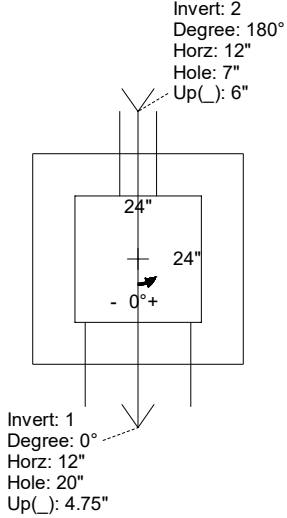
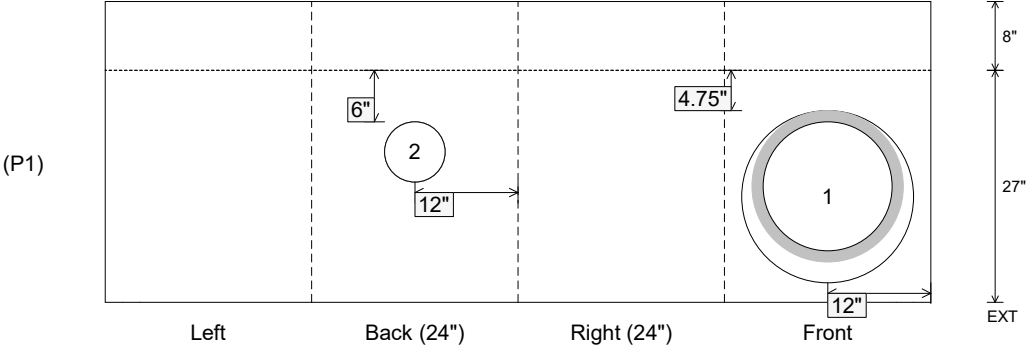
PRODUCTION WORK ORDER

- QUALITY CONTROL CHECKLIST
- ☐ ALL DIMENSIONS CORRECT.
 - ☐ LIFTERS INSTALLED.
 - ☐ STEPPED IF CORRECT SIZE.
 - ☐ REINFORCING CORRECT.
 - ☐ DISSIPATOR BLOCK INSTALLED.
 - ☐ EDGES CHAMFERED.
 - ☐ ALL PATCHWORK ACCEPTABLE.



PRODUCT I.D.: HWSF12	DESCRIPTION: KYTC 12" SLOPED & FLARED HEADWALL
PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: STOCK
PLANT: BEAVER DAM, KY.	PROJECT: STOCK INVENTORY
WEIGHT: 3,161 LBS.	STRUCTURE D.: N/A
TOP SECTION JOINT: N/A	QUOTE/SALES ORDER NO: N/A
BASE SECTION JOINT: N/A	CHECK: JH. ROSS, PE
QC CHECK INITIALS:	DRAWING: N. RICHARDS
	DATE: 08/15/22
	SCALE: NTS
	PG. 1 of 1

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Job Name: 26-2564 - Taubensee Steel Job Location: Henderson, KY Contractor: K&K Excavating Inc.					Plant: 100 6/24/2026 6:15:12 AM		Tech: J. Horsley PC: T. Lewis				
Structure ID: 102 ST-OCS											
P1 BX2424-08BAVF			BOX BASE 8inW, 8inF, Variable Ht F/n								
P2) 24" x 24" - CASTING HEIGHT - 0" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 27" 1) CASTING - TRASHRACKS LFS-2424-P SQ. Flush Mount Grate 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 20 1) Hole - 7						0 lb 3157 lb 59 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 3216 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. TRASHRACKS LFS-2424 SQUARE FLUSH MOUNT GRATE SUPPLIED BY ICAST			
Rim: 385.8' Rim to Invert: 1.8' Slack: 0.6" Sump: 6" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	384'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	4.75"	0"	
Invert 2	384'	180°	20"	7" Orifice	7"	Hole 7	7"	7"	6"	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): 27" Height (Ext): 35" Weight (Net): 3157 lb Volume (Net): 0.81cu.yd											

Job Name: 26-1193 Williamsburg Village Storm
Job Location: Danville, KY
Contractor: May Excavation & Contracting, LLC

Plant: 100

6/19/2026 9:02:41 AM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: JB2-4 JBB

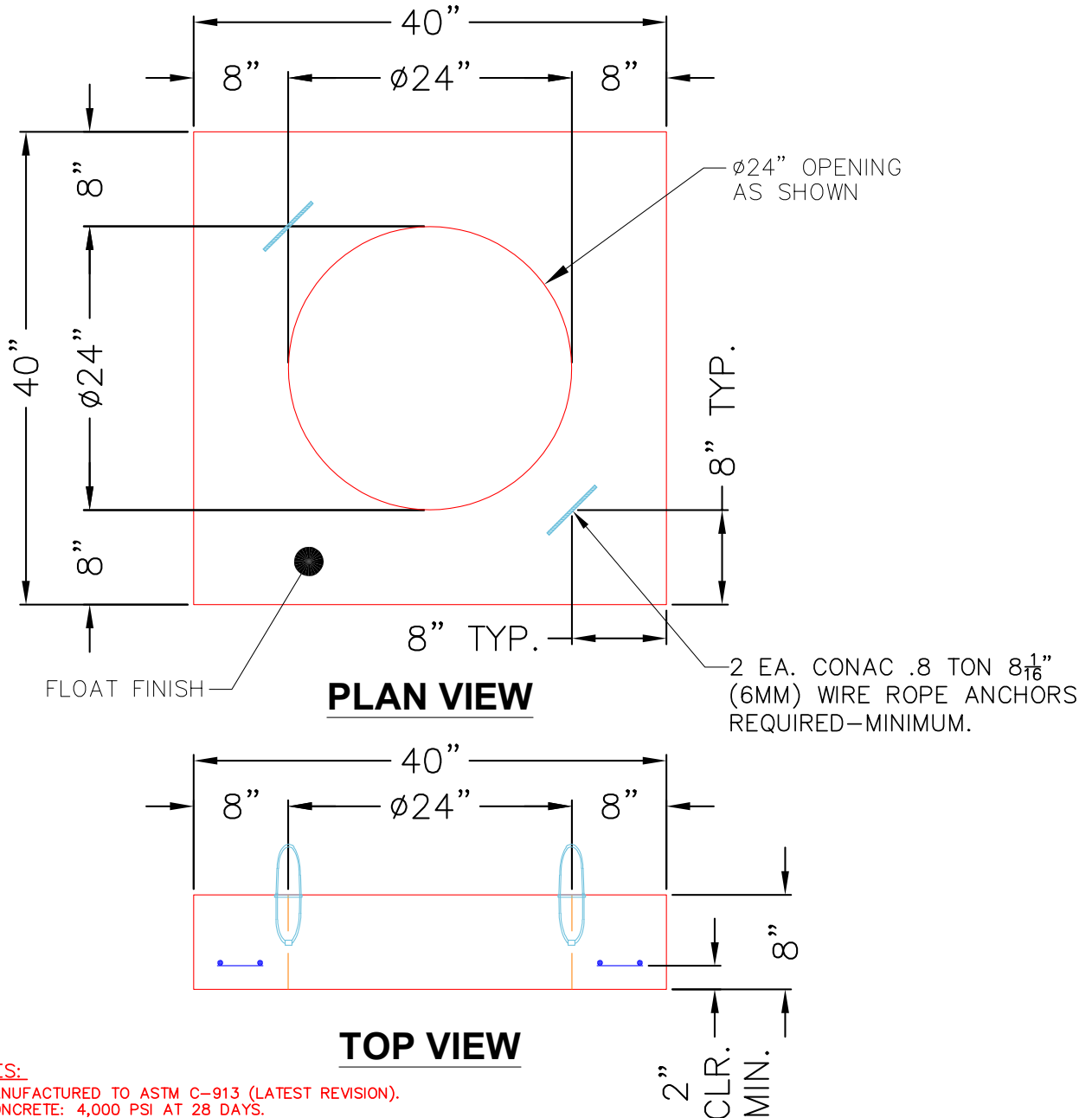
P3 BXLD2424FL-24

BX FLAT LID 8inW w/CC 24" HOLE

- P4) 24" - CASTING HEIGHT - 4"
P3) 24" x 24" - BX FLAT LID 8inW w/CC 24" HOLE - 8"
P2) 24" x 24" - BOX RISER 8inW - 24"
P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 39"
1) CASTING - HOE KY-206 F/C (KY TY1)
2) 24" x 24" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
3) Hole - 20

Structure Total:

- 0 lb
770 lb
2062 lb
3771 lb
206 lb
0 lb
0 lb
0 lb
6809 lb
- Structure Notes:**
1. HOE KY-206 F/C (KY TY1) PROVIDED BY ICAST.
2. KYTC JUNCTION BOX B1 / PER ASTM C913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. TOP SLAB w KYTC TYPE 1 F/C CAST FLUSH.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As. 62) #5 BARS AT 6" C.C.E.W.
- WALLS (As. 31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As. 31) #5 BARS AT 12" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 770 lb
Volume (Net): 0.2cu.yd

Job Name: 26-1193 Williamsburg Village Storm
Job Location: Danville, KY
Contractor: May Excavation & Contracting, LLC

Plant: 100
6/19/2026 9:02:40 AM

Tech: Jared - A
PC: Thomas Ryan



Structure ID: JB1-3 JBB

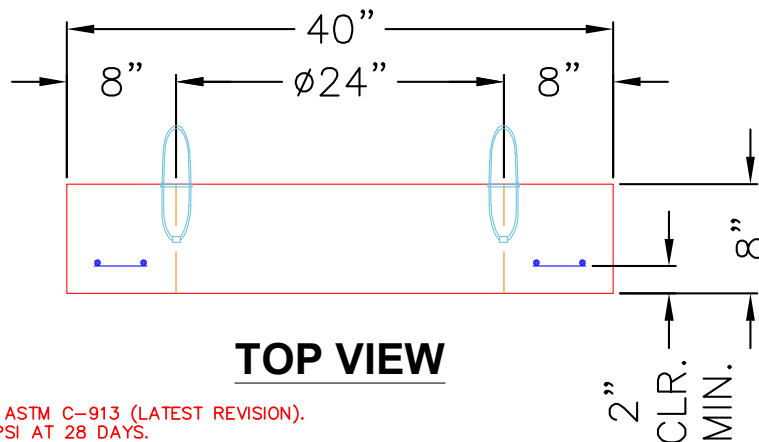
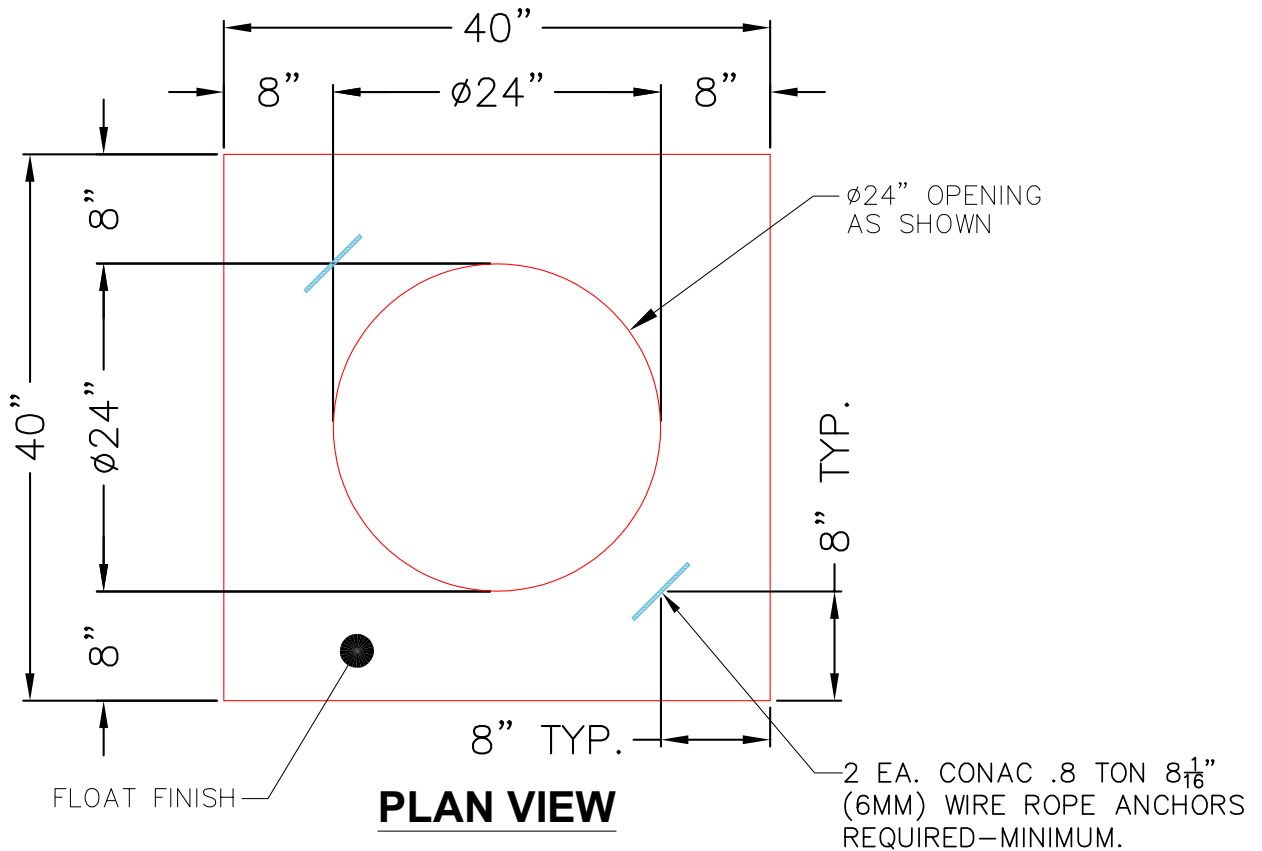
P2 BXLD2424FL-24

BX FLAT LID 8inW w/CC 24" HOLE

- P3) 24" - CASTING HEIGHT - 4"
P2) 24" x 24" - BX FLAT LID 8inW w/CC 24" HOLE - 8"
P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 27"
1) CASTING - HOE KY-206 F/C (KY TY1)
1) 24" x 24" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 20

0 lb
770 lb
2965 lb
206 lb
0 lb
0 lb
0 lb
Structure Total: 3941 lb

- Structure Notes:
1. HOE KY-206 F/C (KY TY1) PROVIDED BY ICAST.
 2. KYTC JUNCTION BOX B1 / PER ASTM C913 SPEC'S.
 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 4. TOP SLAB w KYTC TYPE 1 F/C CAST FLUSH.
 5. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As. 62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12: C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 770 lb
Volume (Net): 0.2cu.yd

Job Name: 26-1279 Hilltopper Hall Ph. 2
Job Location: Bowling Green, KY
Contractor: Stewart Richey

Plant: Beaver Dam

Tech: S. Felletter

6/23/2026 12:29:32 PM

PC: M. Sullivan



Structure ID: 2-7 ST-CB

P2 BX024024-08LD06S

CB FLAT TOP 8"W w/18"x18" HOLE F/F

P3) 18" x 18" - CASTING HEIGHT - 4"
P2) 24" x 24" - CB FLAT TOP 8"W w/18"x18" HOLE F/F - 6"
P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 51"
1) CASTING - HOE 165A F/G
1) 24" x 24" - Conseal CS-102 1.00"
1) 18" x 18" - Conseal CS-102 1.00"
2) Hole - 16

0 lb
642 lb
5165 lb
138 lb
0 lb
0 lb
0 lb

Structure Total: 5946 lb

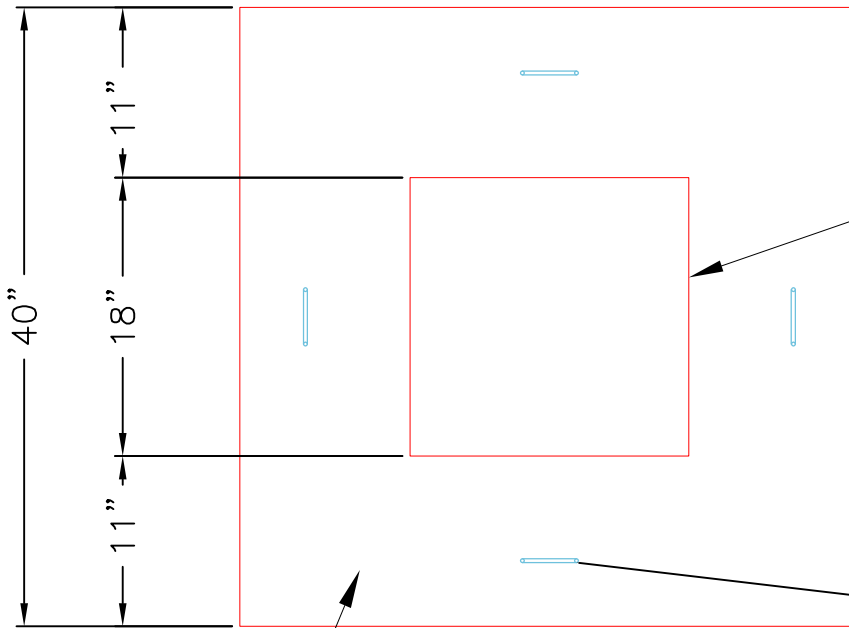
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 165-A F/G).

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

NOTES:

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

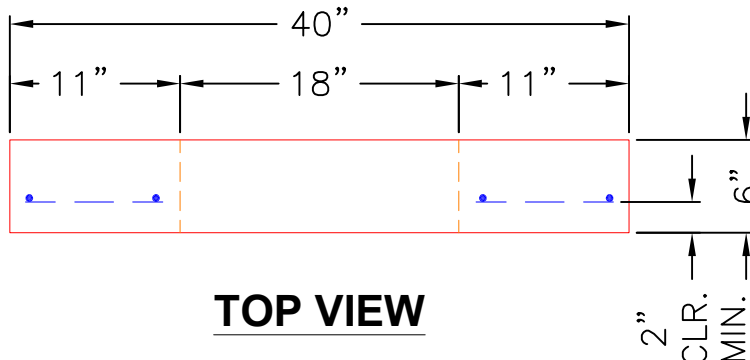


18" X 18" OPENING
AS SHOWN

4 EA. CONAC .8 TON 8 $\frac{1}{16}$ "
(6MM) WIRE ROPE
ANCHORS REQUIRED.

FLOAT FINISH

PLAN VIEW



TOP VIEW

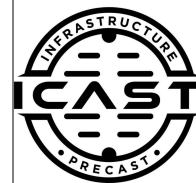
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 6"

Weight (Net): 642 lb
Volume (Net): 0.16cu.yd



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

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 3574 lb Volume (Net): 0.91cu.yd
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Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)
Job Location: Indiana, KY
Contractor: Louisville Paving and Construction

Plant: 100

6/12/2026 3:12:17 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 73

P3 BX024030-08LD08-15X27

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

- P4) 15" x 27" - P.I.P. - BY OTHERS - 8"
P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"
P2) 24" x 30" - BOX RISER 8inW F/G - 30"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 38"
2) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
1) Hole - 18
2) Hole - 4

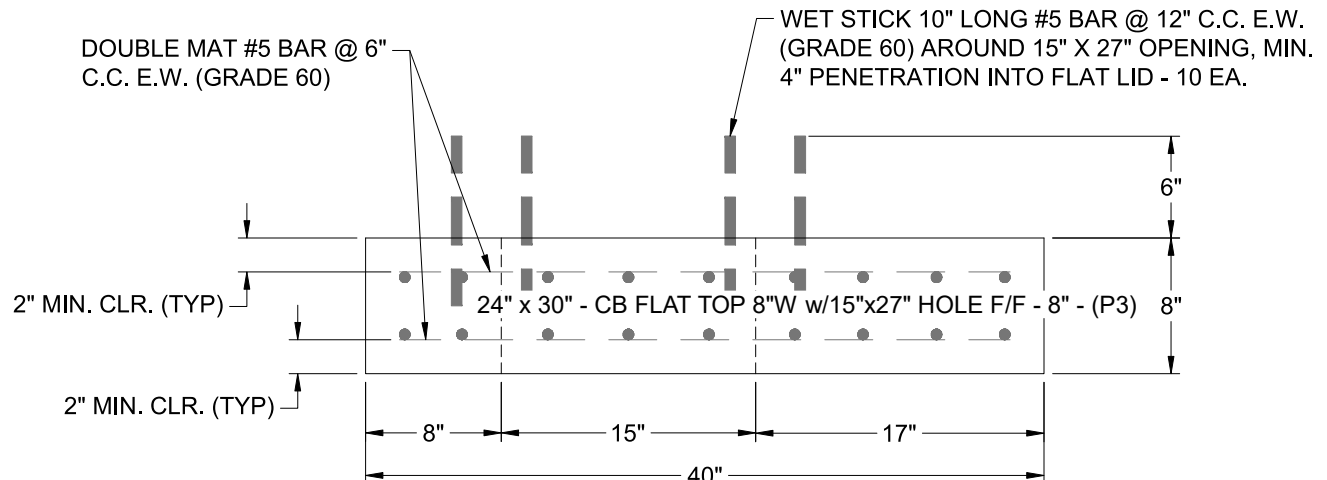
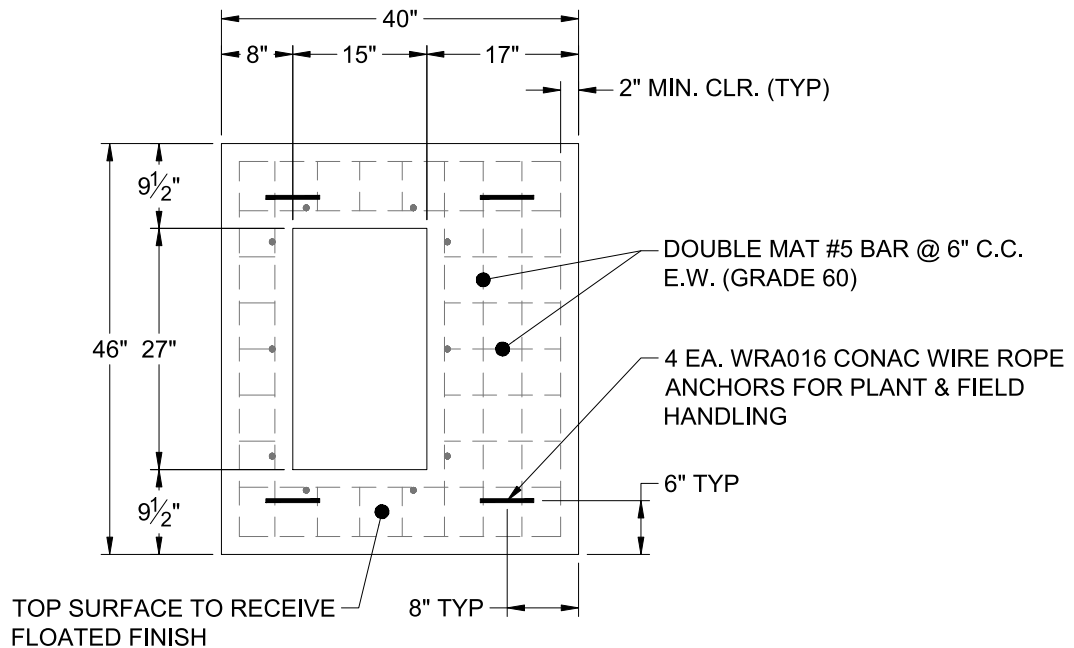
0 lb
963 lb
2803 lb
4636 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 8402 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI TYPE 13G / ASTM C-913 SPECS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: DOUBLE MAT #5 BAR @ 6" C.C.
E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE KY-230G FRAME & GRATE SUPPLIED BY
OTHERS - POURED IN PLACE BY OTHERS
5. WET STICK #5 BAR @ 12" C.C. (GRADE 60) 6" OUT TOP
OF FLAT LID AROUND 15" X 27" OPENING FOR FIELD
POUR TIE-IN - 4" MIN. PENETRATION INTO FLAT LID
6. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE
ANCHORS FOR PLANT & FIELD HANDLING
7. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

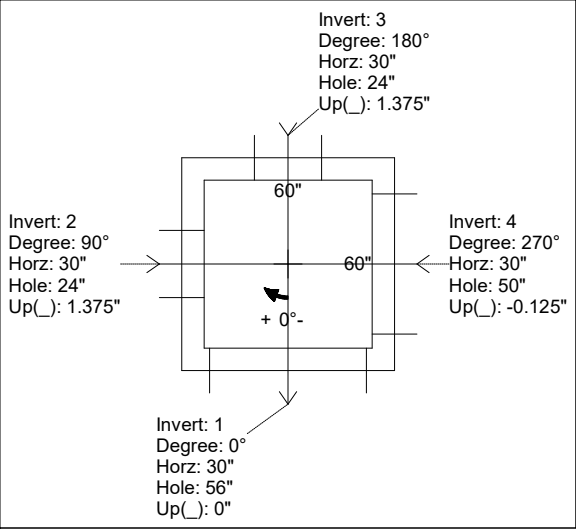
Weight (Net): 963 lb
Volume (Net): 0.25cu.yd



Weight (Net): 15271 lb
Volume (Net): 3.9cu.yd

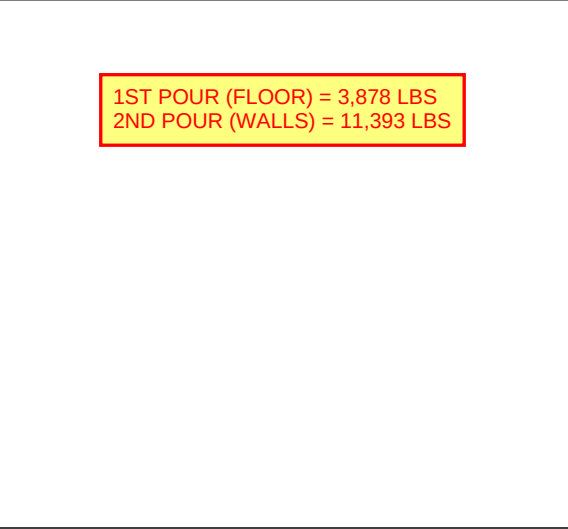
Job Name: 26-1051 - HAMPTON 500 Job Location: Hampton Station, TN Contractor: TVA					Plant: 100 6/18/2026 11:09:48 AM		Tech: Jared - F PC: A. Chambers			
Structure ID: 14 (18)										
P1		BX6060-08BAVF		BOX BASE 8inW, 8inF, Variable Ht F/n						
P4) 24" - CASTING HEIGHT - 1.25" P3) 24" - GRADE RING F/F - 6" P2) 60" x 60" - BX FLAT LID 8"W w/24" Hole F/F - 8" P1) 60" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 82" 1) CASTING - EJ 6488 O Beehive Grate 1) 60" x 60" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 1) Hole - 56 2) Hole - 24 1) Hole - 50					0 lb 405 lb 3574 lb 15271 lb 250 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 19500 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (EJ 6488 O BEEHIVE GRATE). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS 12" C.C.E.W. - FLOOR (As .31) #5 BARS 12" C.C.E.W.			
Rim: 506.8' Rim to Invert: 7.9' Slack: 0.55" Sump: 3" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	498.9'	0°	38"	48" HDPE	53.5"	Hole 56	56"	56"	0"	0"
Invert 2	498.9'	90°	38"	18" HDPE	21.2"	Hole 24	24"	24"	1.375"	0"
Invert 3	498.9'	180°	38"	18" HDPE	21.2"	Hole 24	24"	24"	1.375"	0"
Invert 4	498.9'	270°	38"	42" HDPE	47.7"	Hole 50	50"	50"	-0.125"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

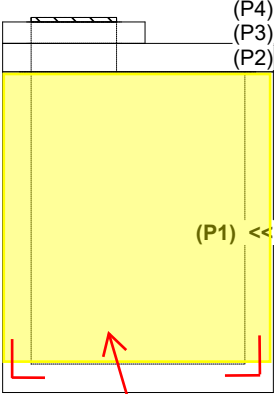
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

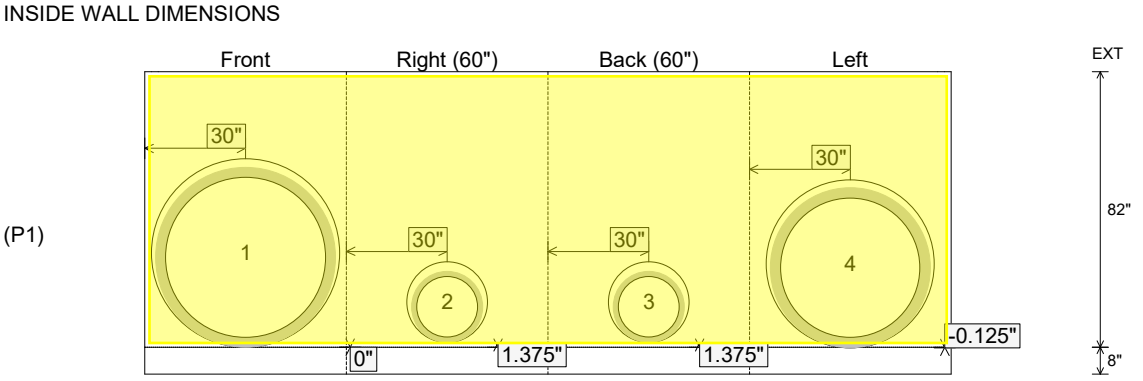
1ST POUR (FLOOR) = 3,878 LBS
2ND POUR (WALLS) = 11,393 LBS





2ND POUR (WALLS)

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 82" Height (Ext): 90"	Weight (Net): 15271 lb Volume (Net): 3.9cu.yd
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Job Name: 26-1899 - Gateway 65 Industrial Road
Job Location: Franklin, KY
Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:39:13 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: 26 ST-DCI

P2 BX036084-08LD08SP

CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F

P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 36" x 84" - CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F - 8"
P1) 36" x 84" - BOX BASE 8inW, 8inF, Variable Ht F/n - 52"
1) CASTING - HOE 525 DBL SET FLAT GRATE (F/G/H)
1) 36" x 84" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 40
1) Hole - 32

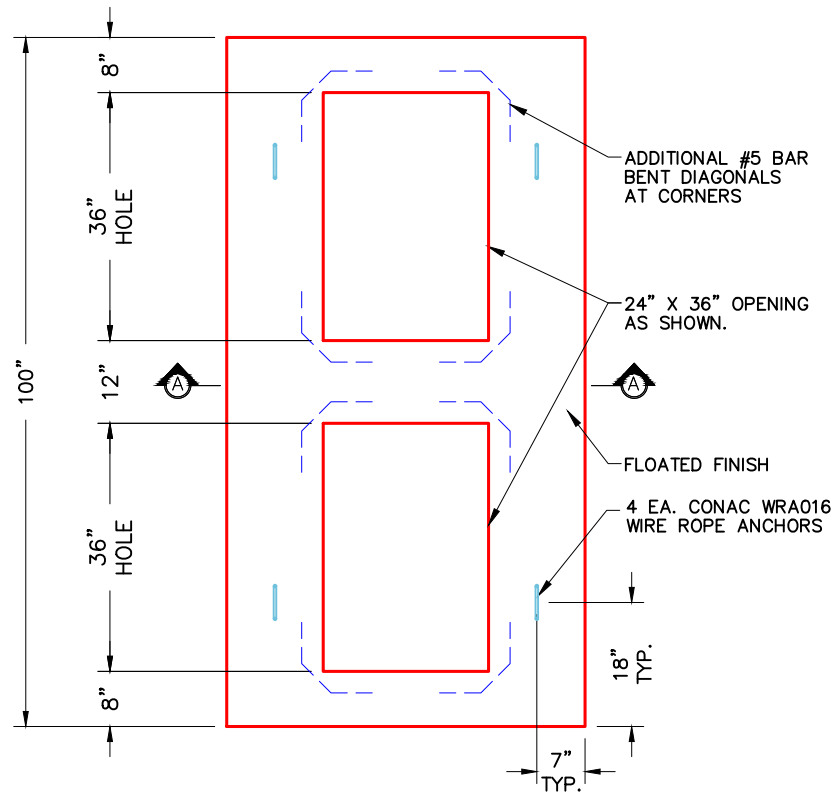
Structure Total:

0 lb
2911 lb
10759 lb
442 lb
0 lb
0 lb
0 lb
0 lb
0 lb
14111 lb

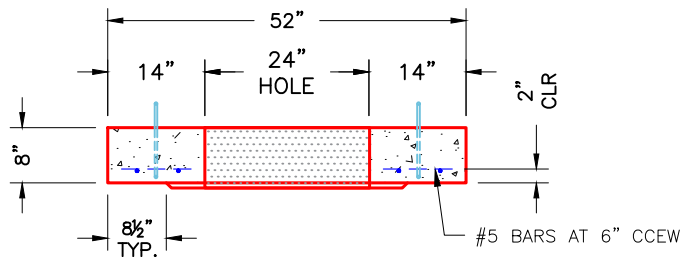
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 DBL SET FLAT GRATE (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 2911 lb
Volume (Net): 0.74cu.yd

Job Name: 26-1899 - Gateway 65 Industrial Road
Job Location: Franklin, KY
Contractor: RD Sitework LLC

Plant: 100

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Tech: Jared - F
PC: E. Bardley



Structure ID: 19 ST-DCI

P2 BX036084-08LD08SP

CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F

- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 36" x 84" - CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F - 8"
P1) 36" x 84" - BOX BASE 8inW, 8inF, Variable Ht F/n - 58"
1) CASTING - HOE 525 DBL SET FLAT GRATE (F/G/H)
1) 36" x 84" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 26

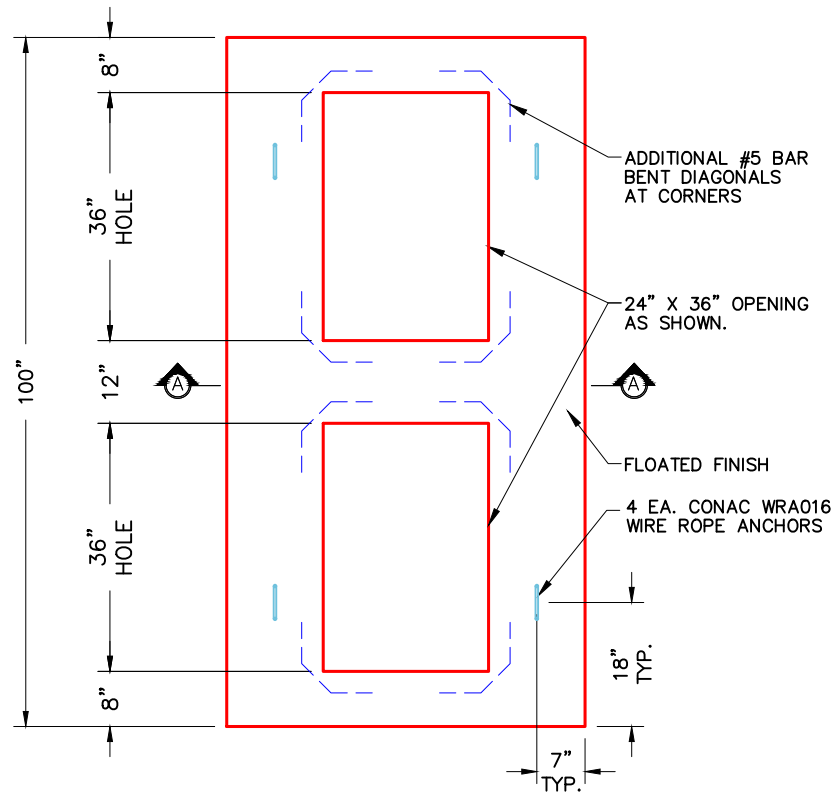
0 lb
2911 lb
13368 lb
442 lb
0 lb
0 lb
0 lb

Structure Total: 16721 lb

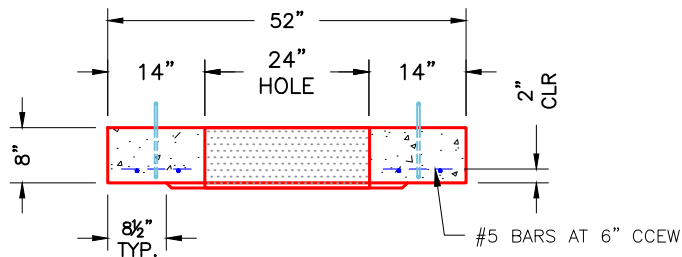
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 DBL SET FLAT GRATE (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

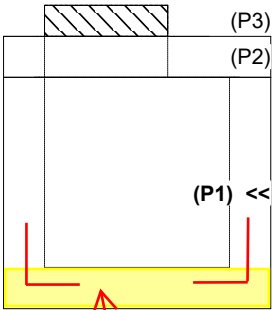
Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

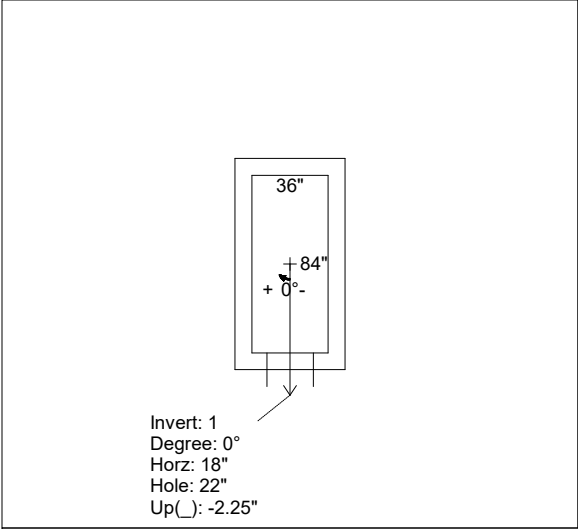
Weight (Net): 2911 lb
Volume (Net): 0.74cu.yd

Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:19 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 49 ST-DCI											
P1 BX036084-08BAVF BOX BASE 8inW, 8inF, Variable Ht F/n											
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 36" x 84" - CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F - 8" P1) 36" x 84" - BOX BASE 8inW, 8inF, Variable Ht F/n - 37" 1) CASTING - HOE 525 DBL SET FLAT GRATE (F/G/H) 1) 36" x 84" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22"						0 lb 2911 lb 9991 lb 442 lb 0 lb 0 lb 0 lb ----- 13344 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 DBL SET FLAT GRATE (F/G/H)). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .47) #5 BARS AT 8" C.C.E.W. - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.			
Rim: 696.86' Rim to Invert: 4.26' Slack: 0.12" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	692.6'	0°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)

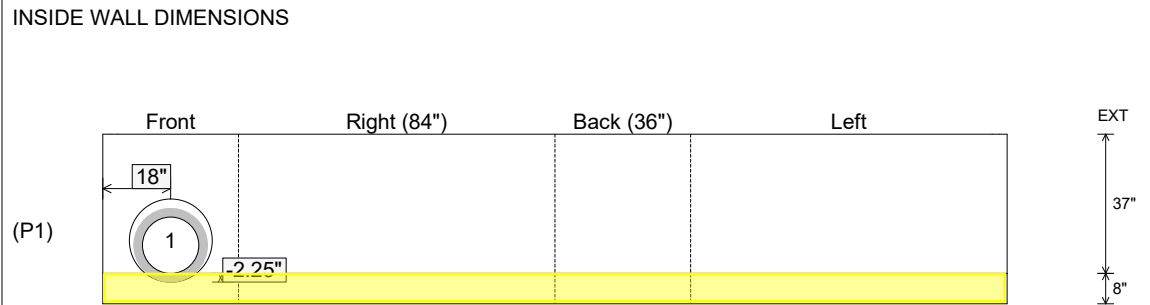


Invert: 1
Degree: 0°
Horz: 18"
Hole: 22"
Up(-): -2.25"

UPSIDE-DOWN VIEW (int. dimenions)

1ST POUR (FLOOR) = 3,490 LBS
2ND POUR (WALLS) = 6,501 LBS

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 37" Height (Ext): 45"	Weight (Net): 9991 lb Volume (Net): 2.55cu.yd
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Weight (Net): 9991 lb
Volume (Net): 2.55cu.yd

Job Name: 26-1899 - Gateway 65 Industrial Road

Job Location: Franklin, KY

Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:34:15 PM

Tech: Jared - F

PC: E. Bardley



Structure ID: 41 ST-DCI

P1 BX036084-08BAVF

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

P3) 24" x 36" - CASTING HEIGHT - 6"

P2) 36" x 84" - CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F - 8"

P1) 36" x 84" - BOX BASE 8inW, 8inF, Variable Ht F/n - 48"

1) CASTING - HOE 525 DBL SET FLAT GRATE (F/G/H)

1) 36" x 84" - Conseal CS-102 1.00"

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

2) Hole - 32

1) Hole - 22

0 lb

2911 lb

10920 lb

442 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 14273 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO STEPS AND NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE 525 DBL SET FLAT GRATE (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).

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

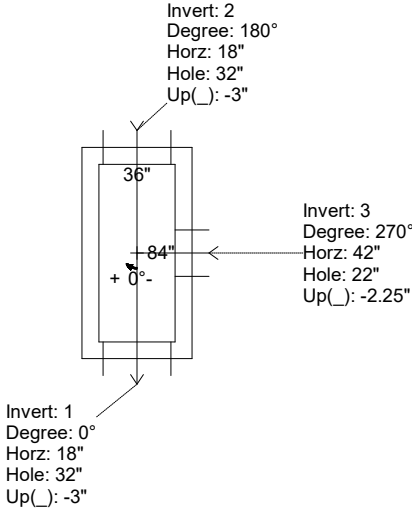
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.

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

Rim: 693.09' Rim to Invert: 5.23' Slack: 0.76" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	687.86'	0°	26"	24" RCP B WALL	30"	Hole 32	32"	32"	-3"	0"
Invert 2	687.86'	180°	26"	24" RCP B WALL	30"	Hole 32	32"	32"	-3"	0"
Invert 3	687.86'	270°	50"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

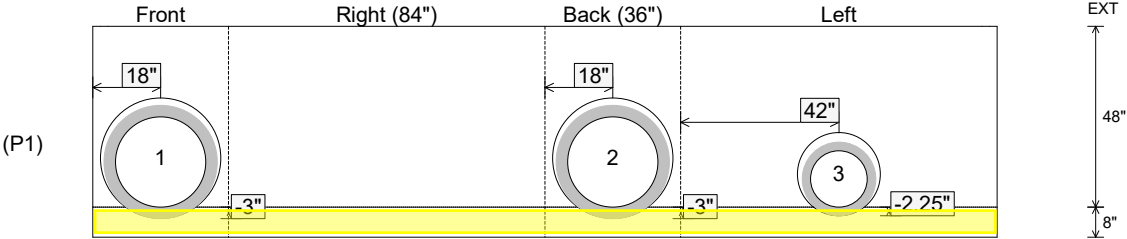
1ST POUR (FLOOR) = 3,490 LBS

2ND POUR (WALLS) = 7,430 LBS



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

INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 48"

Height (Ext): 56"

Weight (Net): 10920 lb

Volume (Net): 2.79cu.yd

Job Name: 26-1899 - Gateway 65 Industrial Road

Job Location: Franklin, KY

Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:34:15 PM

Tech: Jared - F

PC: E. Bardley



Structure ID: 41 ST-DCI

P1 BX036084-08BAVF

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

P3) 24" x 36" - CASTING HEIGHT - 6"

P2) 36" x 84" - CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F - 8"

P1) 36" x 84" - BOX BASE 8inW, 8inF, Variable Ht F/n - 48"

1) CASTING - HOE 525 DBL SET FLAT GRATE (F/G/H)

1) 36" x 84" - Conseal CS-102 1.00"

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

2) Hole - 32

1) Hole - 22

0 lb

2911 lb

10920 lb

442 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 14273 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO STEPS AND NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE 525 DBL SET FLAT GRATE (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).

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

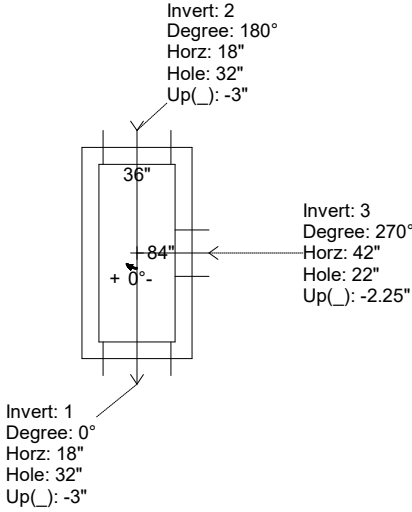
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.

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

Rim: 693.09' Rim to Invert: 5.23' Slack: 0.76" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	687.86'	0°	26"	24" RCP B WALL	30"	Hole 32	32"	32"	-3"	0"
Invert 2	687.86'	180°	26"	24" RCP B WALL	30"	Hole 32	32"	32"	-3"	0"
Invert 3	687.86'	270°	50"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

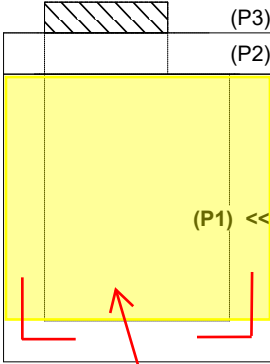
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

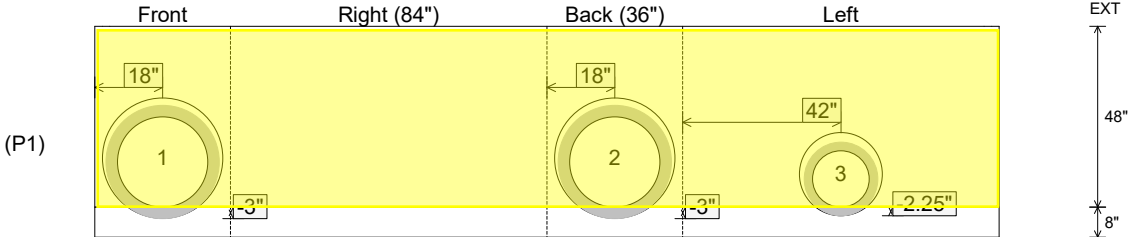
1ST POUR (FLOOR) = 3,490 LBS

2ND POUR (WALLS) = 7,430 LBS



2ND POUR (WALLS)

INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 48"

Height (Ext): 56"

Weight (Net): 10920 lb

Volume (Net): 2.79cu.yd

Job Name: 26-1899 - Gateway 65 Industrial Road
Job Location: Franklin, KY
Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:39:17 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: 39 ST-DCI

P2 BX036084-08LD08SP

CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F

- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 36" x 84" - CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F - 8"
P1) 36" x 84" - BOX BASE 8inW, 8inF, Variable Ht F/n - 52"
1) CASTING - HOE 525 DBL SET FLAT GRATE (F/G/H)
1) 36" x 84" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 46

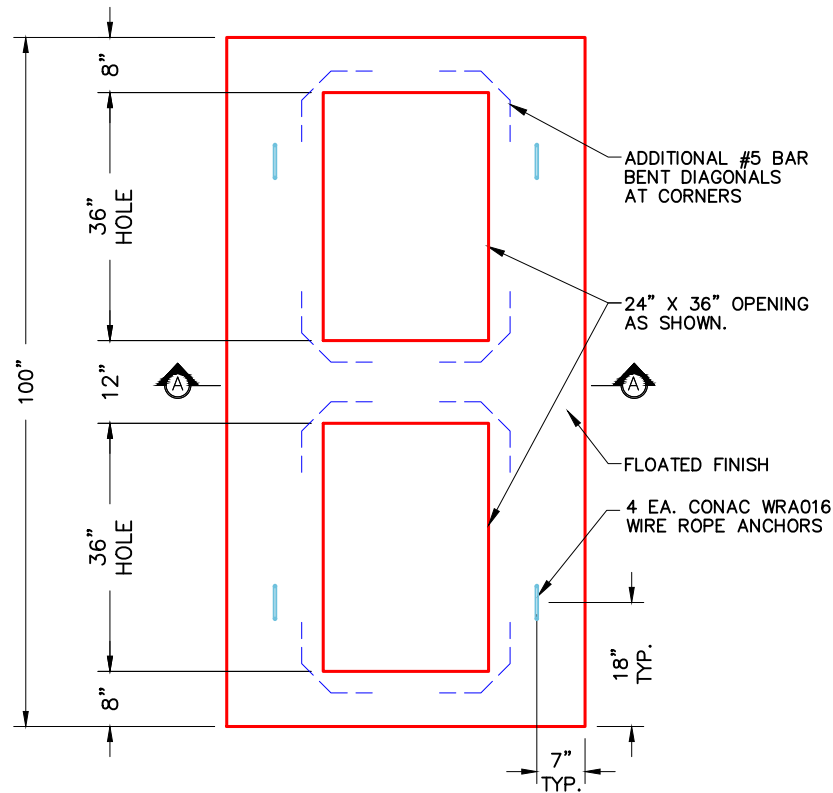
0 lb
2911 lb
10754 lb
442 lb
0 lb
0 lb
0 lb

Structure Total: 14107 lb

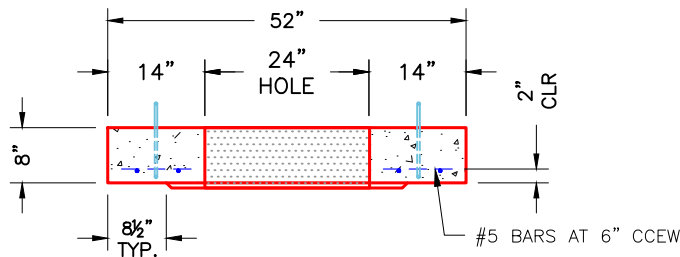
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 DBL SET FLAT GRATE (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 2911 lb
Volume (Net): 0.74cu.yd