

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 11" Floor Height: 0"	Height (Int): 86" Height (Ext): 86"	Weight (Net): 32669 lb Volume (Net): 8.35cu.yd
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Job Name: 26-2485 855358 Fuqua Development
Job Location: Nicholasville, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam
6/5/2026 8:56:27 AM

Tech: S. Felletter
PC: C. Goff



Structure ID: 10-CS-12

P1 MH144BVF

MH MONOBASE 14F, Custom Ht T/n

- 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

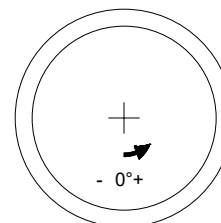
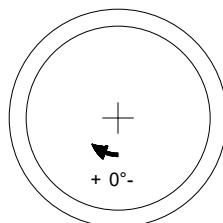
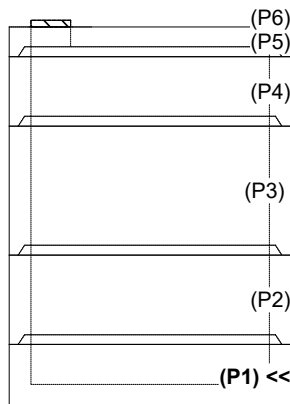
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .36)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Rim: 1019.03' Rim to Invert: 9.83' Slack: 5.996" Sump: 108.036" Step Position:

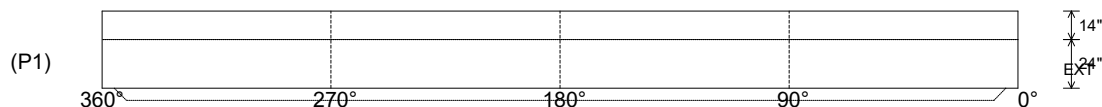
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



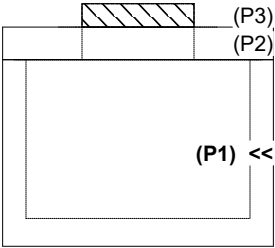
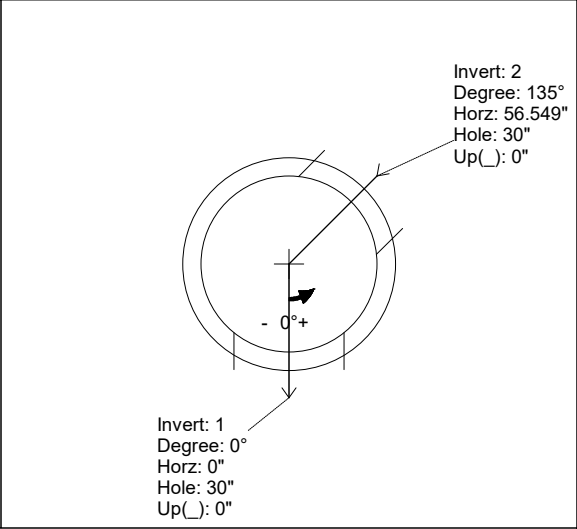
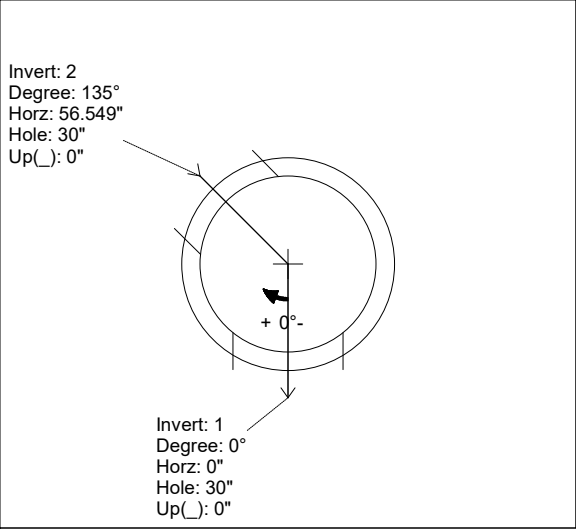
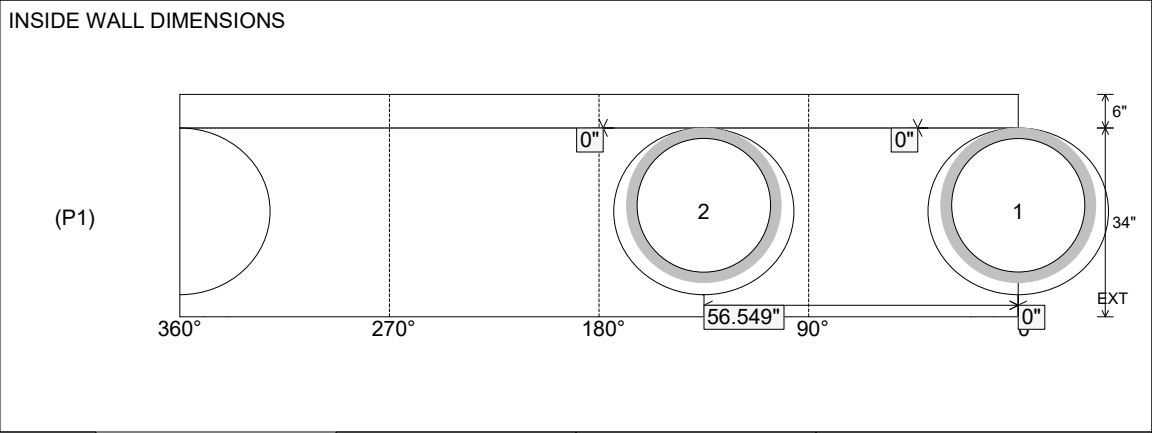
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

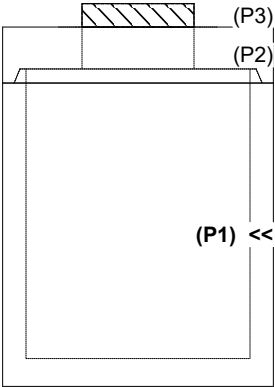
Wall Thickness: 13"
Floor Height: 14"

Height (Int): 24"
Height (Ext): 38"

Weight (Net): 39578 lb
Volume (Net): 10.11cu.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 8:02:29 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: X4 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht F/n									
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 - 34" 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" 2) Hole - 30					0 lb 1214 lb 3073 lb 465 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4752 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.				
Rim: 368.7' Rim to Invert: 3.7' Slack: 0.3" Sump: 1.9" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	365'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"	
Invert 2	365'	135°	68.33"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)  INVERT 2 Degree: 135° Horz: 56.549" Hole: 30" Up(): 0" INVERT 1 Degree: 0° Horz: 0" Hole: 30" Up(): 0" INVERT 2 Degree: 135° Horz: 56.549" Hole: 30" Up(): 0" INVERT 1 Degree: 0° Horz: 0" Hole: 30" Up(): 0" (P1) << (P3) (P2) INSIDE WALL DIMENSIONS  (P1) 360° 270° 180° 56.549" 90° 6" 34" EXT 0"											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 34" Height (Ext): 40"		Weight (Net): 3073 lb Volume (Net): 0.78cu.yd		

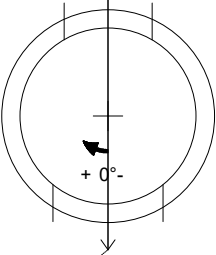
Job Name: 26-2484 Bass Pro Shops Outpost Paducah Job Location: Paducah, KY Contractor: Central Paving Co. of Paducah, Inc.					Plant: Beaver Dam 6/16/2026 8:02:27 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: X3.1 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" x 24" - CASTING HEIGHT - 5" P2) 48" - MH FLAT TOP w/24"x24" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 59" 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 1500 lb 4939 lb 465 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 6904 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.			
Rim: 369.2' Rim to Invert: 6.2' Slack: 0.3" Sump: 1.9" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	363'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"	
Invert 2	363.5'	180°	91.106"	18" HDPE	21.2"	Hole 24	24"	25.133"	6.3"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

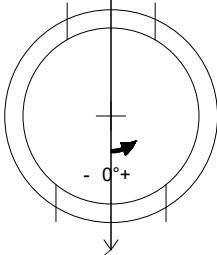
Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 24"
Up(_): 6.3"



Invert: 1
Degree: 0°
Horz: 0"
Hole: 30"
Up(_): 0"

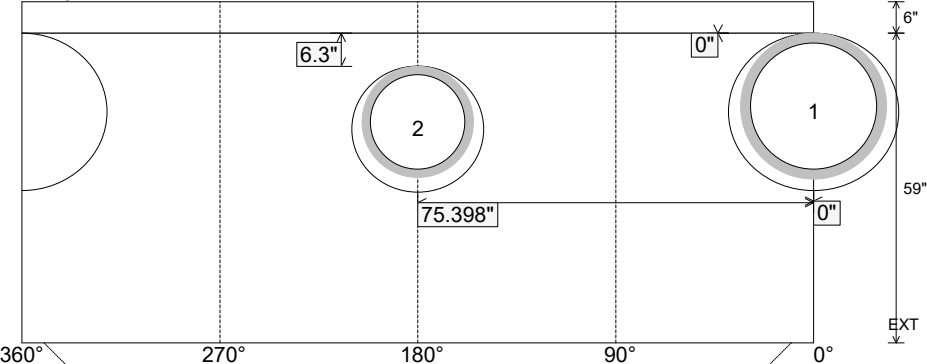
UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 24"
Up(_): 6.3"



Invert: 1
Degree: 0°
Horz: 0"
Hole: 30"
Up(_): 0"

INSIDE WALL DIMENSIONS



(P1)

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 59" Height (Ext): 65"	Weight (Net): 4939 lb Volume (Net): 1.26cu.yd
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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 8:02:26 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: X1 ST-JB

P1MH048BA12

MH BASE T/n

P5) 24" - CASTING HEIGHT - 7"

P4) 24" - GRADE RING F/F - 4"

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

P2) 48" - MH RISER T/G - 72"

P1) 48" - MH BASE T/n - 12"

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

2) 48" - Conseal CS-102 1.00"

2) 24" - Conseal CS-102 1.00"

3) Hole - 30

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

0 lb

270 lb

2050 lb

4082 lb

2169 lb

271 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 8841 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

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

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: 370.07'

Rim to Invert: 8.57'

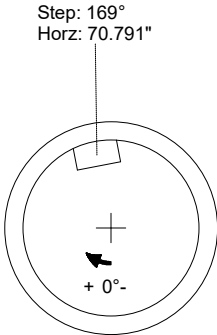
Slack: 1.84"

Sump: 24"

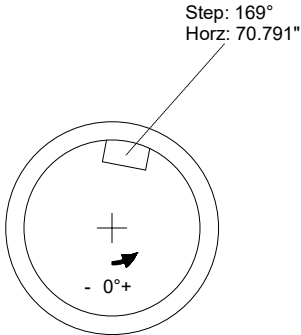
Step Position: 169°

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

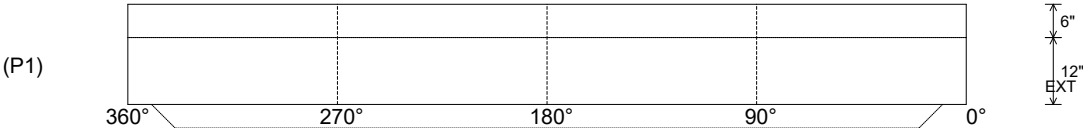
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 12"

Height (Ext): 18"

Weight (Net): 2169 lb

Volume (Net): 0.55cu.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 8:01:25 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: Z3 ST-OCS

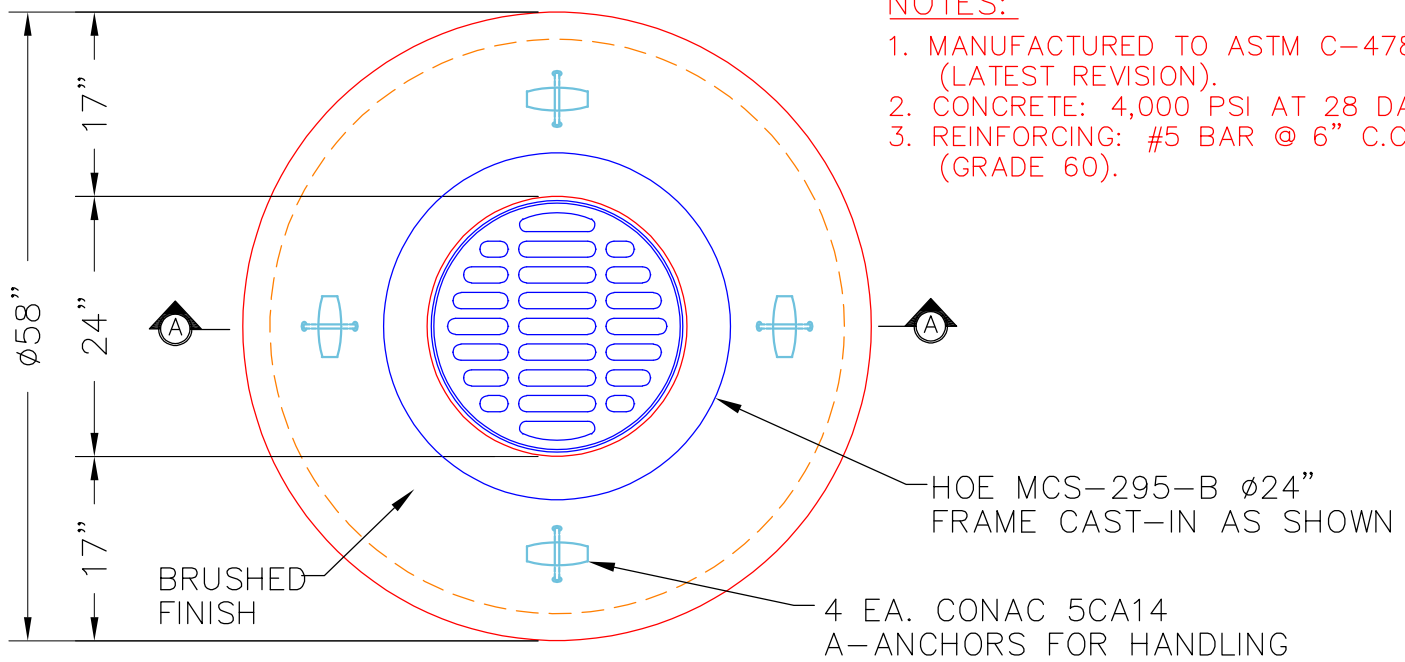
P3 MH048LD12S

MH FLAT TOP SPECIAL (MCS-295-B) F/G

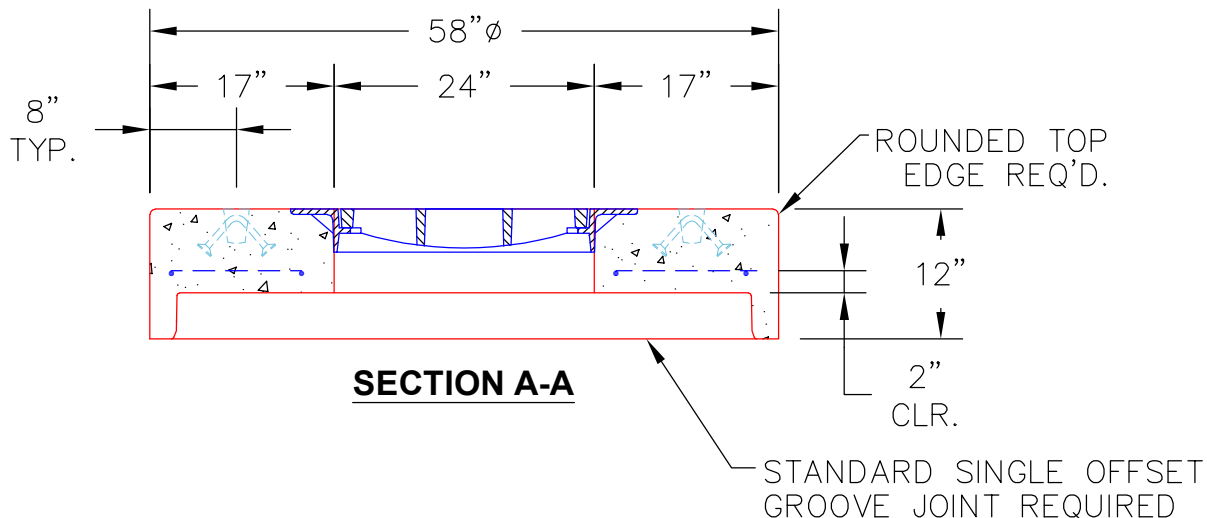
- P4) 24" - CASTING HEIGHT - 0"
P3) 48" - MH FLAT TOP SPECIAL (MCS-295-B) F/G - 12"
P2) 48" - MH RISER T/G - 24"
P1) 48" - MH BASE T/n - 72"
1) SECONDARY POUR - WEIR WALL
1) CASTING - HOE MCS-295B F/G
2) 48" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 24"

Structure Total:

- 0 lb
1593 lb
1677 lb
5966 lb
1099 lb
123 lb
0 lb
0 lb
0 lb
10458 lb
- Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MCS-295-B F/G). CAST-IN.
4. WEIR WALL POURED IN PLACE BY ICAST.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



SECTION A-A

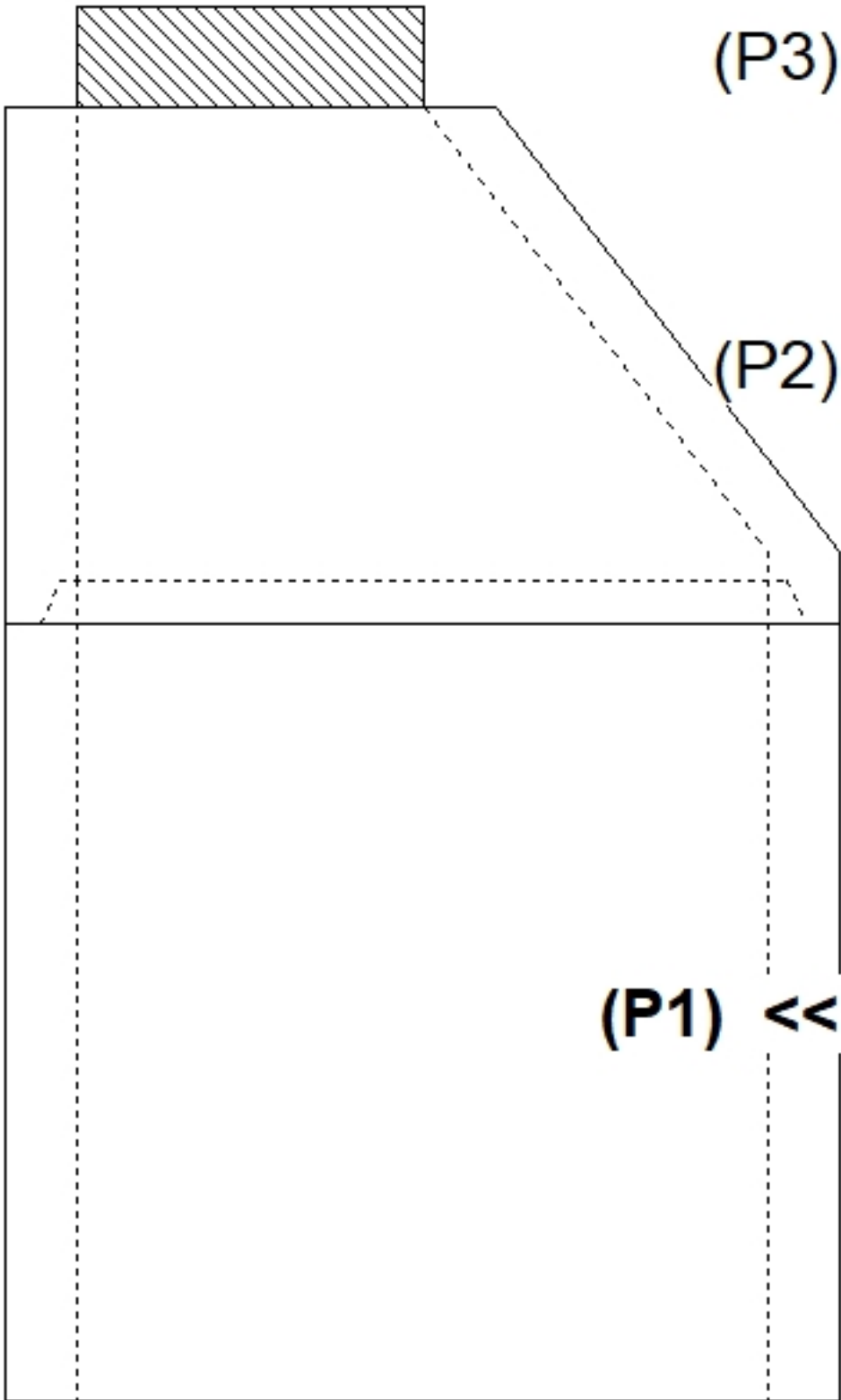
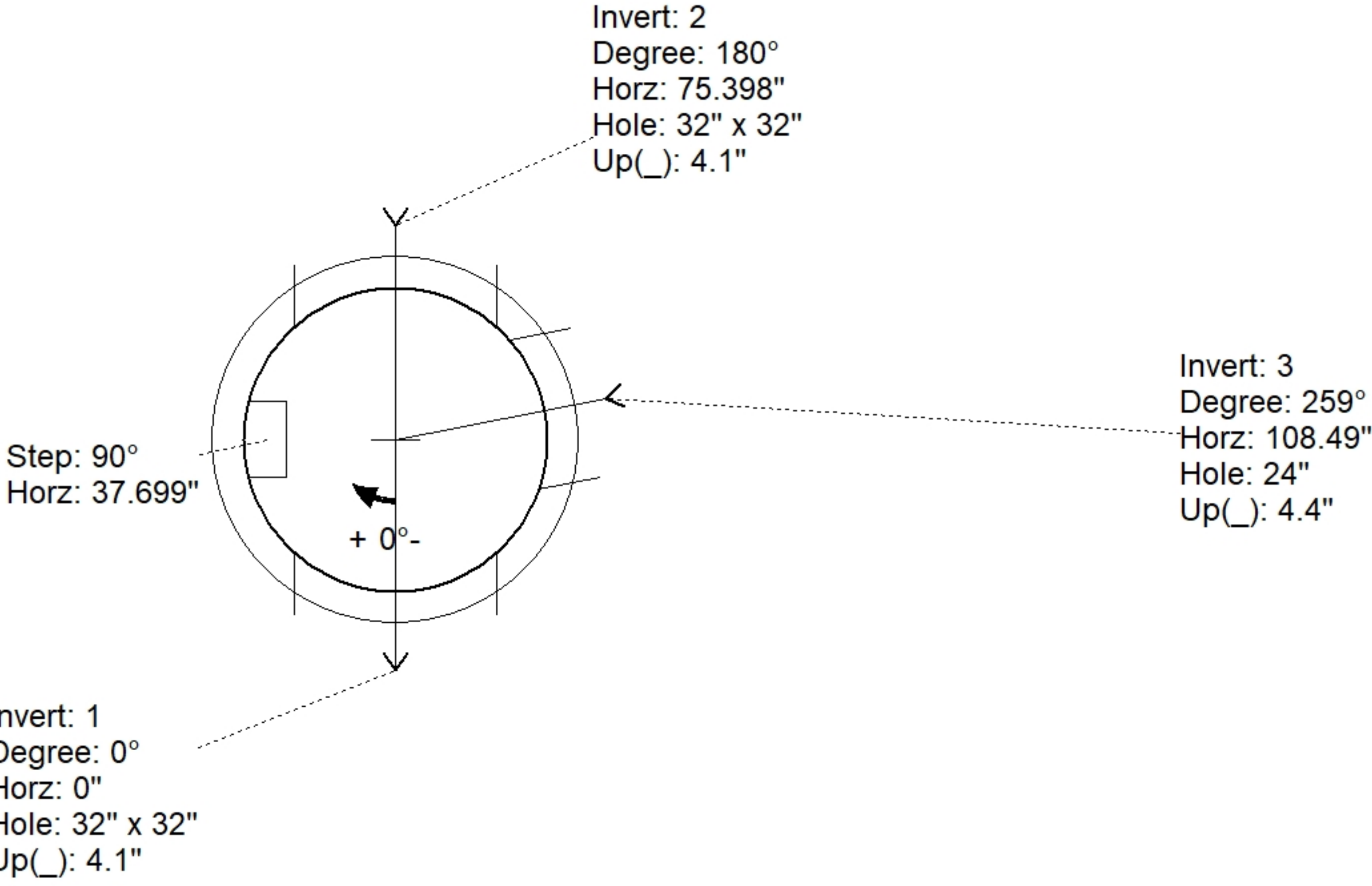
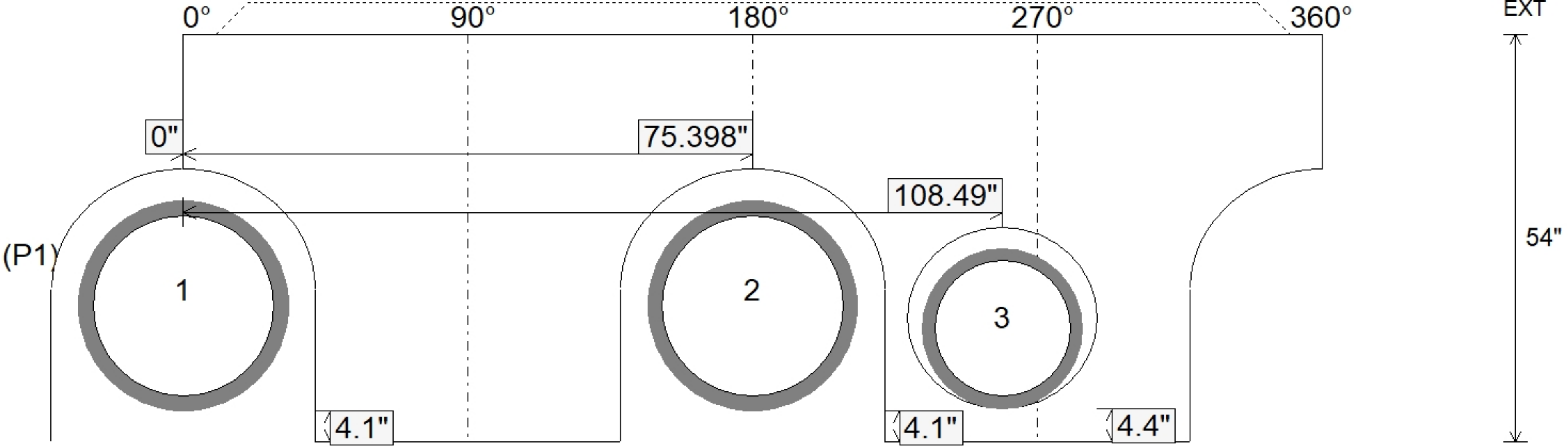
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 26-2484 Bass Pro Shops Outpost Paducah Job Location: Paducah, KY Contractor: Central Paving Co. of Paducah, Inc.					Plant: Beaver Dam 6/16/2026 8:01:34 AM		Tech: S. Felletter PC: A. Chambers						
Structure ID: Z1 ST-MHDH													
P1			MH048DHR54			MH DH RISER T/F							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH DH RISER T/F - 54" 1) CASTING - HOE MCB-315-B Fr./Bar Grate 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) DOGHOUSE - 32"x32" 1) Hole - 24						0 lb 3000 lb 2631 lb 255 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 5886 lb Structure Total:		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MCB-315-B F/BAR GRATE). . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER (As .12)					
Rim: 368.56' Rim to Invert: 7.77' Slack: 2.24" Sump: 0" Step Position: 90°													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1	360.79'	0°	0"	24" HDPE	27.8"	DOGHOUSE 32"x32"	32" x 32"	35.027"	4.1"	0"			
Invert 2	360.79'	180°	91.106"	24" HDPE	27.8"	DOGHOUSE 32"x32"	32" x 32"	35.027"	4.1"	0"			
Invert 3	360.79'	259°	131.092"	18" HDPE	21.2"	Hole 24	24"	25.133"	4.4"	0"			
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)													
 													
INSIDE WALL DIMENSIONS													
													
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Flat		Wall Thickness: 5" Floor Height: 0"		Height (Int): 54" Height (Ext): 54"		Weight (Net): 2631 lb Volume (Net): 0.67cu.yd			

Job Name: 25-2471 - Texas Roadhouse
Job Location: Danville, KY
Contractor: McCain Bros Excavating LLC

Plant: 100

6/11/2026 11:35:51 AM

Tech: Jared - F
PC: M. Sullivan



Structure ID: 4A

P2 MH048LD12-18x36 RECT

MH FLAT TOP w/18"x36" Hole F/G

- P3) 18" x 36" - CASTING HEIGHT - 5.5"
P2) 48" - MH FLAT TOP w/18"x36" Hole F/G - 12"
P1) 48" - MH BASE T/n - 48"
1) 48" - Conseal CS-102 1.00"
1) 18" x 36" - Conseal CS-102 1.00"
1) Hole - 24
1) Hole - 20
1) Hole - 10

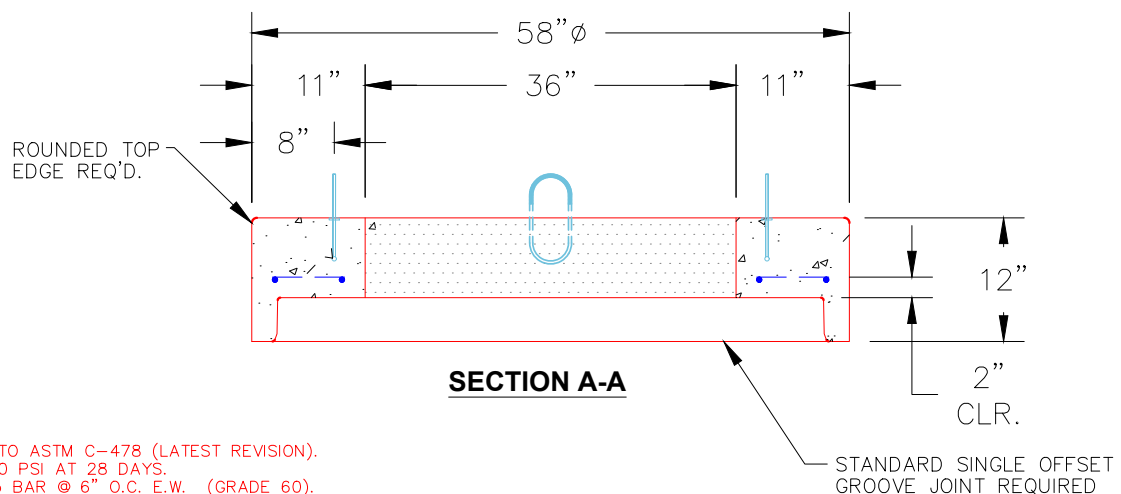
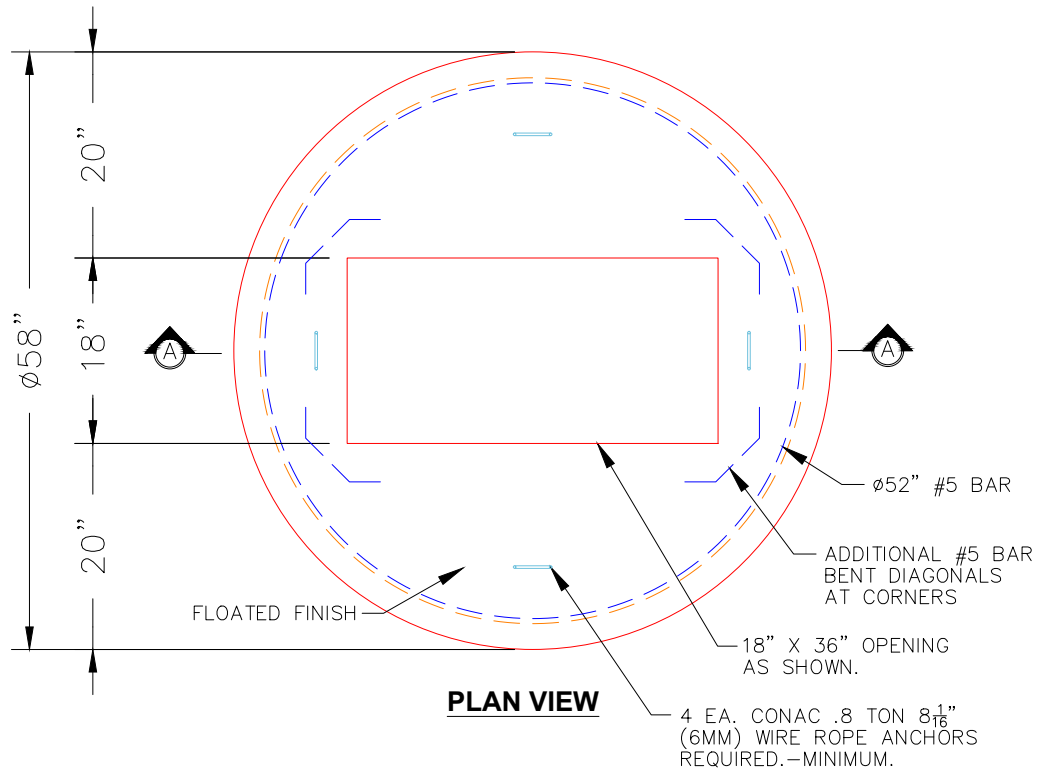
Structure Total:

0 lb
2008 lb
4318 lb
0 lb
0 lb
0 lb
0 lb
0 lb
6326 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 SUPPLIED BY OTHERS (HOE 580-A 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" O.C. E.W. (GRADE 60).

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 2008 lb
Volume (Net): 0.51cu.yd

Job Name: 25-2471 - Texas Roadhouse
Job Location: Danville, KY
Contractor: McCain Bros Excavating LLC

Plant: 100

6/11/2026 11:35:52 AM

Tech: Jared - F
PC: M. Sullivan



Structure ID: 4B

P2 MH048LD12-24SQ

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

- P3) 24" x 24" - CASTING HEIGHT - 4"
P2) 48" - MH FLAT TOP w/24"x24" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 47"
1) 48" - Conseal CS-102 1.00"
1) 24" x 24" - Conseal CS-102 1.00"
1) Hole - 20
3) Hole - 16
4) MH Step ML-10-TDS-NCR - 10"

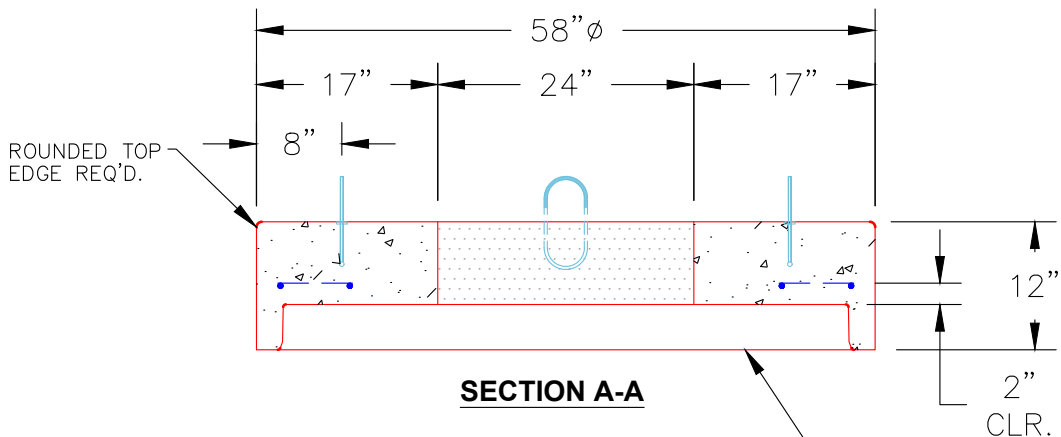
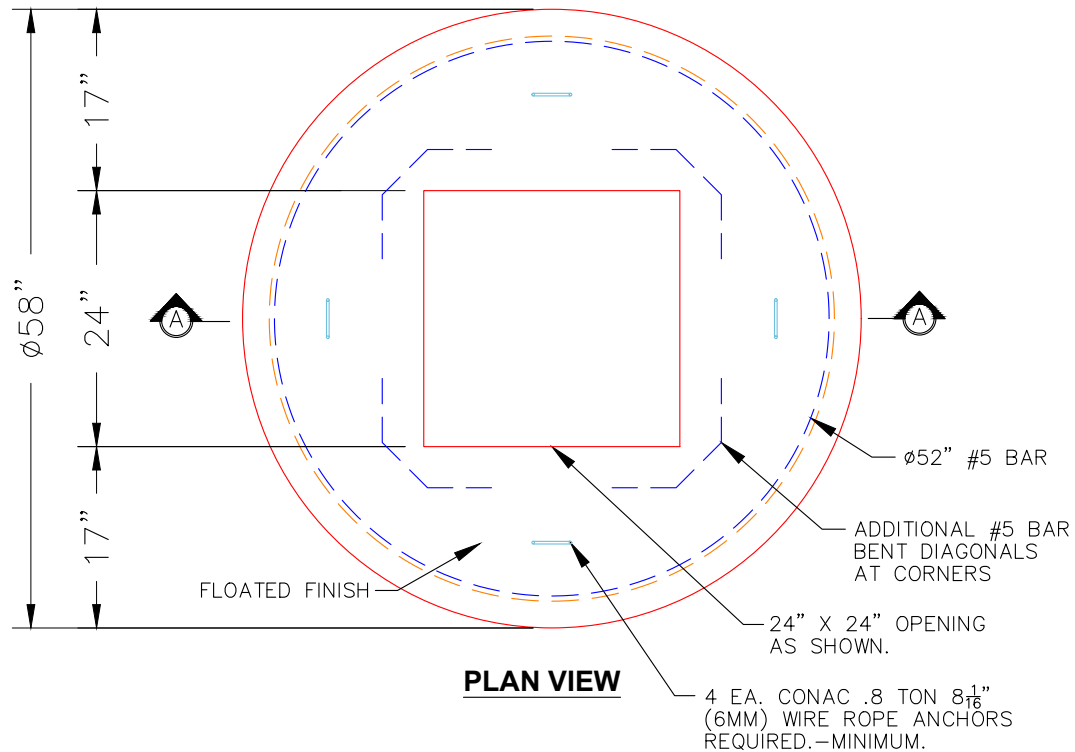
Structure Total:

0 lb
1500 lb
4221 lb
0 lb
0 lb
0 lb
0 lb
0 lb
5721 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS (HOE 280T 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" O.C. E.W. (GRADE 60).

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1500 lb
Volume (Net): 0.37cu.yd

Job Name: 25-2471 - Texas Roadhouse Job Location: Danville, KY Contractor: McCain Bros Excavating LLC					Plant: 100 6/12/2026 3:42:04 PM		Tech: Jared - F PC: M. Sullivan					
Structure ID: 7												
P1 MH048BA30			MH BASE T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 4" P2) 48" - ECC CONE w/ 24" HOLE F/G - 24" P1) 48" - MH BASE T/n - 30" 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 16 2) Hole - 12 5) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 1550 lb 3159 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4979 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. (7" TALL CASTING BY OTHERS) . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 1038.05' Rim to Invert: 5.5' Slack: 1" Sump: 0" Step Position: 225												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	1032.55'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"		
Invert 2	1032.55'	90°	45.5"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"		
Invert 3	1032.55'	180°	91.125"	8" HDPE	9.1"	Hole 12	12"	12.129"	-0.5"	0"		
Invert 4	1032.55'	270°	136.625"	8" HDPE	9.1"	Hole 12	12"	12.129"	-0.5"	0"		
Invert 5												
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3159 lb Volume (Net): 0.81cu.yd
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Job Name: 25-2471 - Texas Roadhouse Job Location: Danville, KY Contractor: McCain Bros Excavating LLC					Plant: 100		Tech: Jared - F			
					6/11/2026 11:35:22 AM		PC: M. Sullivan			

Structure ID: 4B
P1 MH048BAVF

MH BASE Custom Ht T/n

P3) 24" x 24" - CASTING HEIGHT - 4"
 P2) 48" - MH FLAT TOP w/24"x24" Hole F/G - 12"
 P1) 48" - MH BASE Custom Ht T/n - 47"
 1) 48" - Conseal CS-102 1.00"
 1) 24" x 24" - Conseal CS-102 1.00"
 1) Hole - 20
 3) Hole - 16
 4) MH Step ML-10-TDS-NCR - 10"

0 lb
 1500 lb
 4221 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
Structure Total: 5721 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING SUPPLIED BY OTHERS (HOE 280T 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: 1037.5'	Rim to Invert: 5.32'	Slack: 0.84"	Sump: 0"	Step Position: 149°
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Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1032.18'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.25"	0"
Invert 2	1032.18'	95°	48.125"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 3	1032.18'	203°	102.75"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 4	1032.18'	279°	141.25"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):
 Coating (Ext):

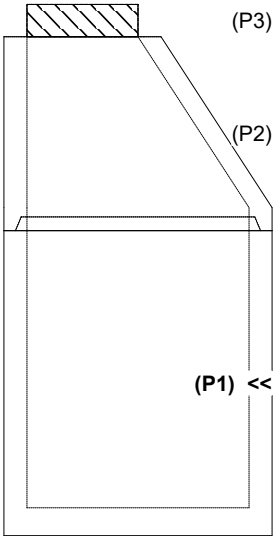
Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 47"
 Height (Ext): 53"

Weight (Net): 4221 lb
 Volume (Net): 1.08cu.yd

Job Name: 25-2471 - Texas Roadhouse Job Location: Danville, KY Contractor: McCain Bros Excavating LLC				Plant: 100 6/12/2026 3:42:06 PM		Tech: Jared - F PC: M. Sullivan				
Structure ID: 10										
P1 MH048BA60				MH BASE T/n						
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE T/n - 60" 1) 48" - SGL 1"x14.5' Butyl (2x) 1) Hole - 38 9) MH Step ML-10-TDS-NCR - 10"						0 lb 3200 lb 4988 lb 0 lb 0 lb 0 lb ----- 8188 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. (7" TALL CASTING BY OTHERS) REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.		
Rim: 1035.43' Rim to Invert: 9' Slack: 1.55" Sump: 2.55" Step Position: 180°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1026.43'	0°	0"	30" HDPE	35.1"	Hole 38	38"	43.85"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

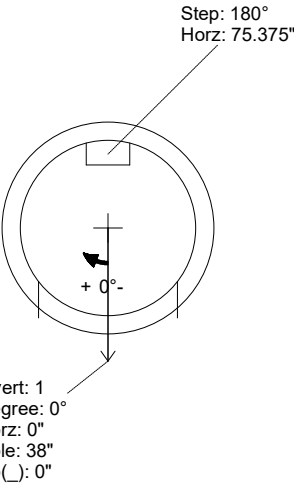


(P3)

(P2)

(P1) <<

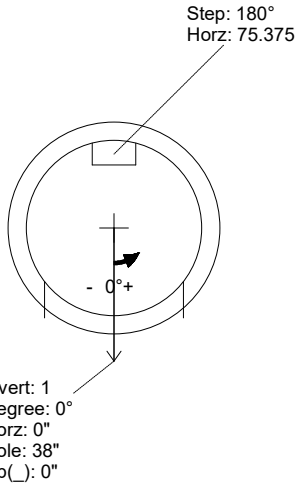
RIGHT-SIDE UP VIEW (int. dimensions)



Step: 180°
Horz: 75.375"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 38"
Up(): 0"

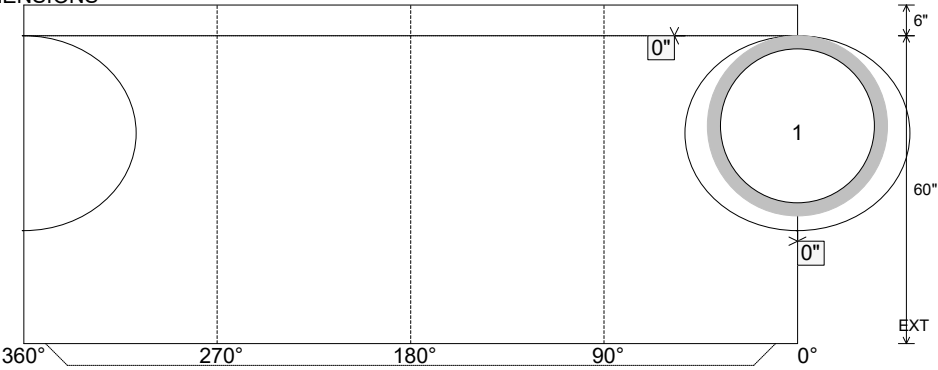
UPSIDE-DOWN VIEW (int. dimensions)



Step: 180°
Horz: 75.375"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 38"
Up(): 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

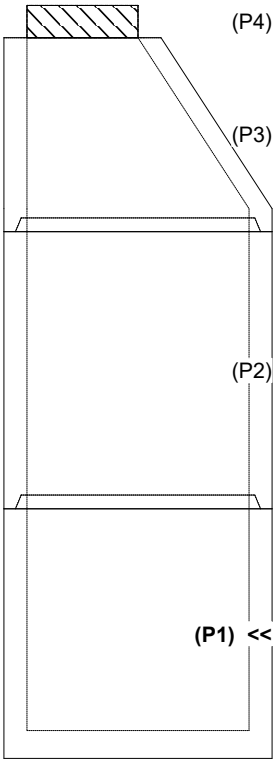
6"

60"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 60" Height (Ext): 66"	Weight (Net): 4988 lb Volume (Net): 1.27cu.yd
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Job Name: 25-2471 - Texas Roadhouse Job Location: Danville, KY Contractor: McCain Bros Excavating LLC				Plant: 100 6/12/2026 3:42:05 PM		Tech: Jared - F PC: M. Sullivan					
Structure ID: 9											
P1 MH048BA48				MH BASE T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 42" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE T/n - 48" 2) 48" - SGL 1"x14.5' Butyl (2x) 2) Hole - 38 13) MH Step ML-10-TDS-NCR - 10"						0 lb 3200 lb 4192 lb 3615 lb 0 lb 0 lb 0 lb ----- Structure Total: 11007 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. (7" TALL CASTING BY OTHERS) . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.			
Rim: 1038.9'				Rim to Invert: 13.05'		Slack: 2.15"		Sump: 2.55"		Step Position: 270°	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1025.85'	0°	0"	30" HDPE	35.1"	Hole 38	38"	43.85"	0"	0"	
Invert 2	1025.85'	136°	68.875"	30" HDPE	35.1"	Hole 38	38"	43.85"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



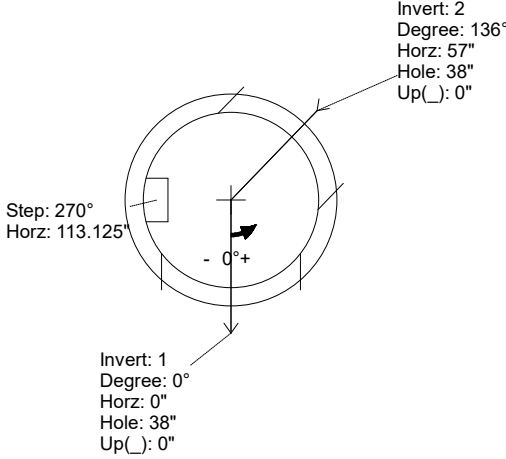
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

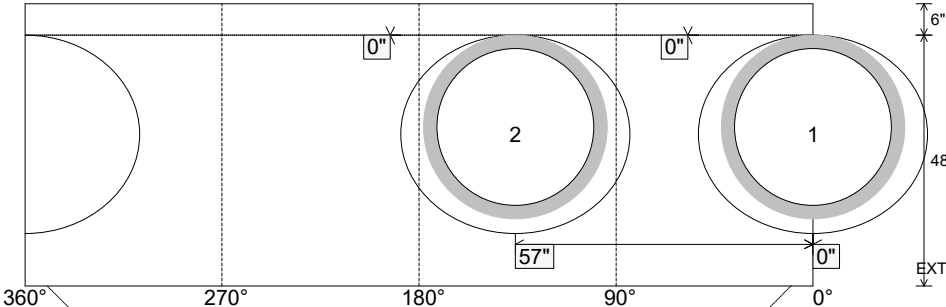


Invert: 2
Degree: 136°
Horz: 57"
Hole: 38"
Up(): 0"

Step: 270°
Horz: 113.125"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 38"
Up(): 0"

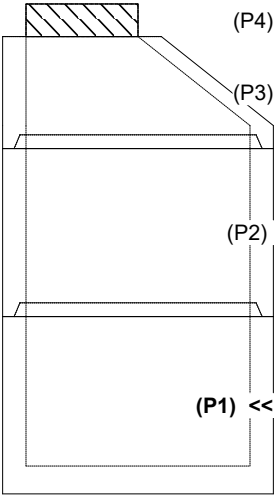
INSIDE WALL DIMENSIONS



(P1)

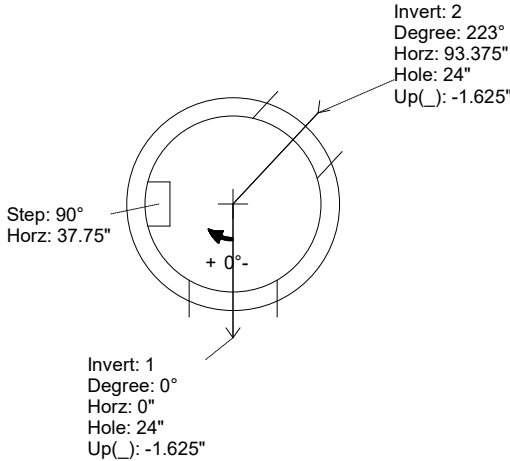
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 48" Height (Ext): 54"	Weight (Net): 3615 lb Volume (Net): 0.92cu.yd
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Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements Job Location: Louisville, KY 40208 Contractor: Louisville Paving and Construction					Plant: 100 4/30/2026 1:21:44 PM		Tech: Jared - F PC: J. Jarvis				
Structure ID: S113											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE Custom Ht T/n - 32" 1) CASTING - HOE MC-420 F/C Storm 2) 48" - Con Seal CS-102 1.00" 2) Hole - 24" 1) Hole - 10" 8) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 2482 lb 3171 lb 340 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 7543 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE MC-420 F/C STORM) REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 454.31' Rim to Invert: 8.26' Slack: 0.12" Sump: 0" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	446.05'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.625"	0"	
Invert 2	446.05'	223°	112.875"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.625"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)

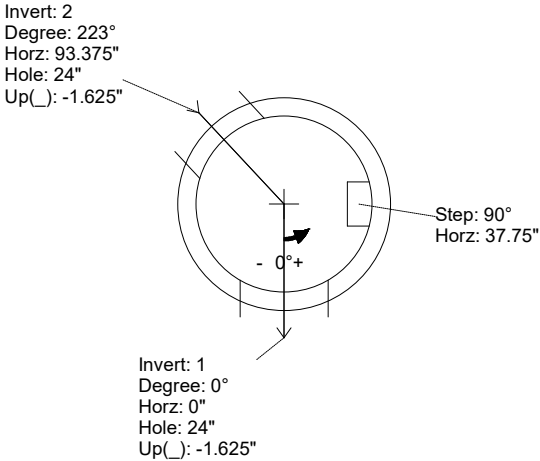


Invert: 2
Degree: 223°
Horz: 93.375"
Hole: 24"
Up(): -1.625"

Step: 90°
Horz: 37.75"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 24"
Up(): -1.625"

UPSIDE-DOWN VIEW (int. dimenions)

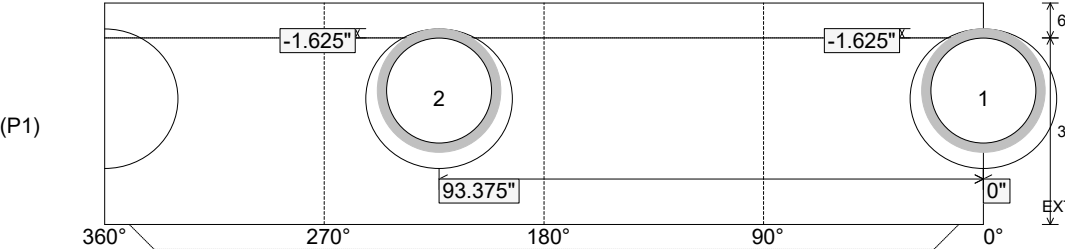


Invert: 2
Degree: 223°
Horz: 93.375"
Hole: 24"
Up(): -1.625"

Step: 90°
Horz: 37.75"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 24"
Up(): -1.625"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

6"
32"
EXT

0"
93.375"
-1.625"

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): 3171 lb Volume (Net): 0.81cu.yd
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Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
Job Location: Louisville, KY 40208
Contractor: Louisville Paving and Construction

Plant: 100

4/30/2026 1:22:58 PM

Tech: Jared - F

PC: J. Jarvis



Structure ID: S110

P2 MH048LD12S

MH FLAT TOP w/32"x32" Hole F/G

P3) 32" x 32" - CASTING HEIGHT - 3"
P2) 48" - MH FLAT TOP w/32"x32" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 69"
1) CASTING - HOE 595 F/G
1) 48" - Conseal CS-102 1.00"
1) 32" x 32" - Conseal CS-102 1.00"
2) Hole - 24

0 lb
1629 lb
5756 lb
376 lb
0 lb
0 lb
0 lb

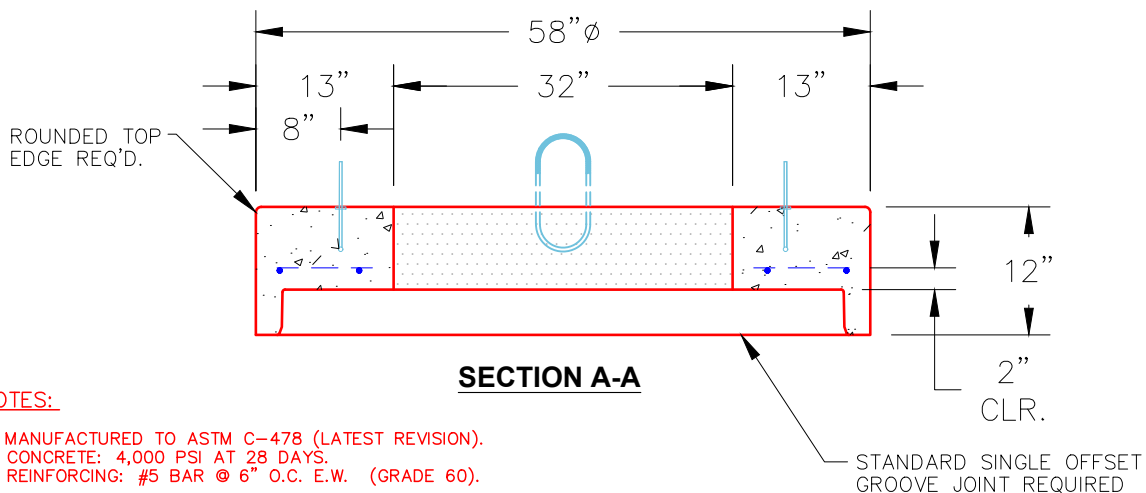
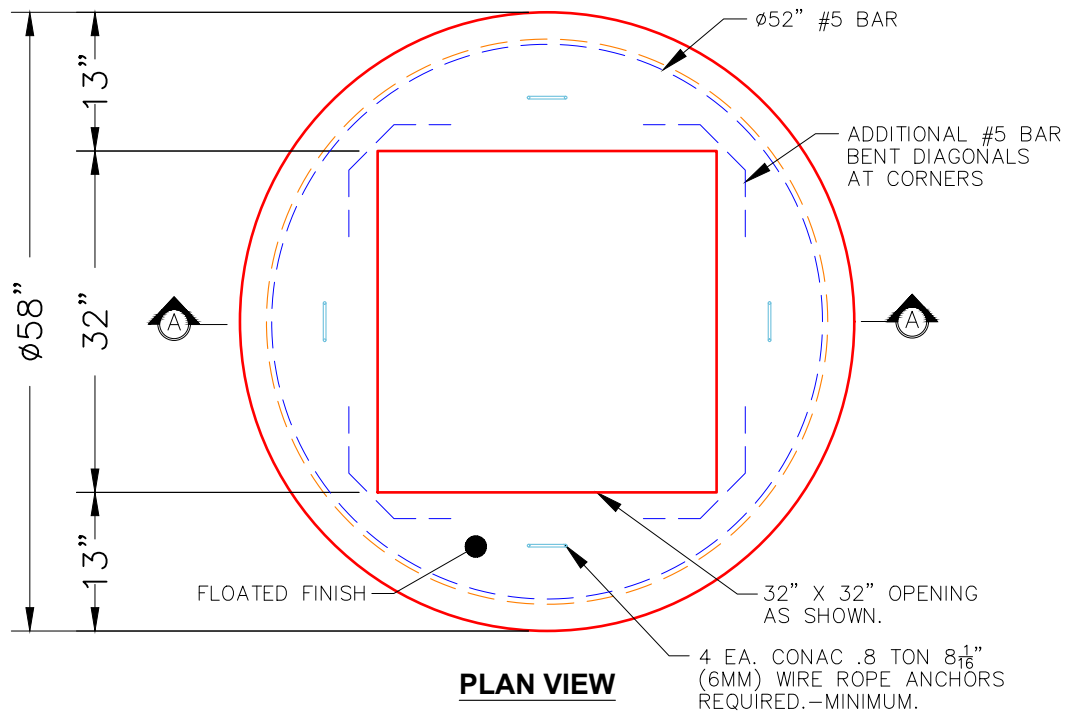
7761 lb

Structure Total:

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 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.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1629 lb
Volume (Net): 0.42cu.yd

Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

Plant: 100

4/30/2026 1:21:41 PM

Tech: Jared - F

PC: J. Jarvis



Structure ID: S109

P1 MH048BAVF

MH BASE Custom Ht T/n

- P3) 24" - CASTING HEIGHT - 7"
 P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"
 P1) 48" - MH BASE Custom Ht T/n - 49"
 1) CASTING - HOE MC-420 F/C Storm
 1) 48" - Conseal CS-102 1.00"
 2) Hole - 24
 1) Hole - 12
 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 4311 lb
 340 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 7651 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE MC-420 F/C STORM)

REINFORCING PER ASTM A615 (GRADE 60).

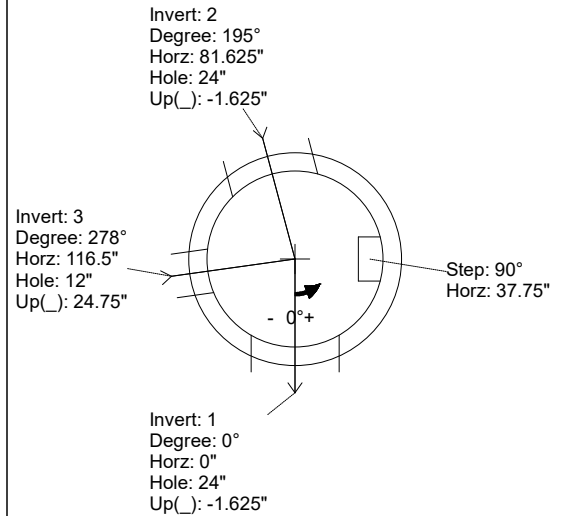
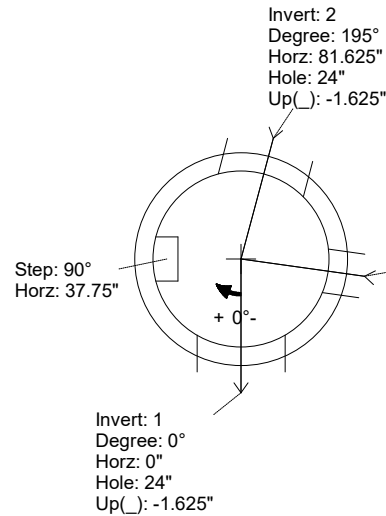
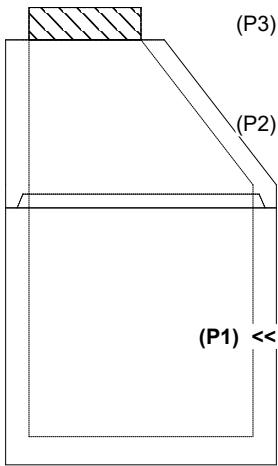
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 454.84' Rim to Invert: 7.67' Slack: 0.04" Sump: 0" Step Position: 90°

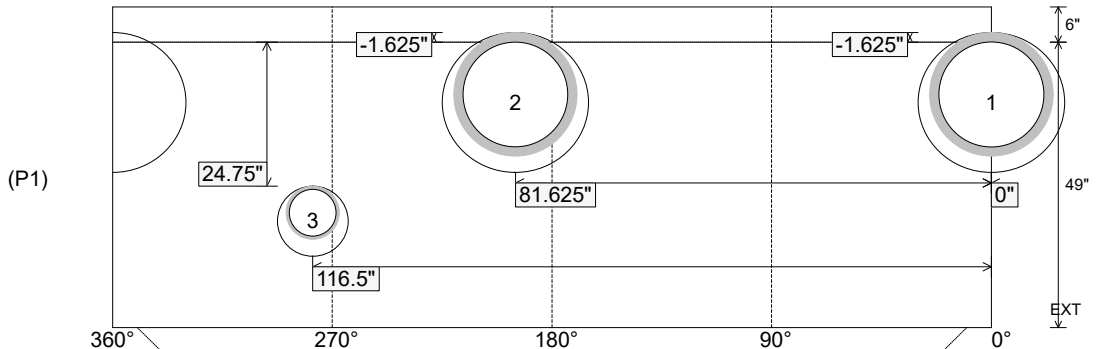
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	447.17'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.625"	0"
Invert 2	447.17'	195°	98.75"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.625"	0"
Invert 3	449.28'	278°	140.75"	8" HDPE	9.1"	Hole 12	12"	12.129"	24.75"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



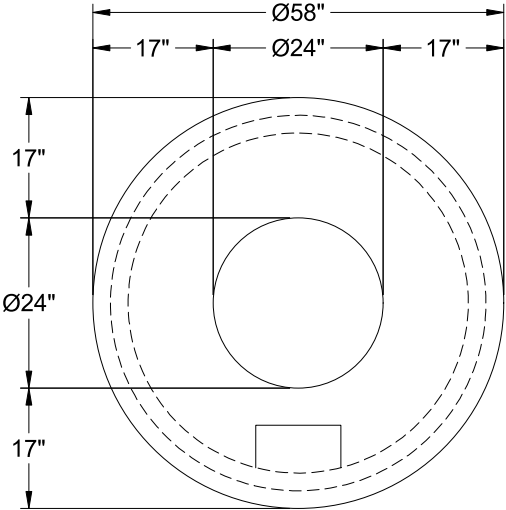
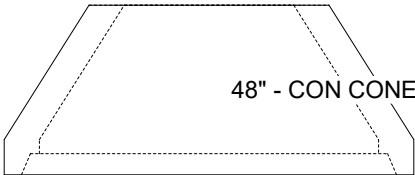
Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 49"
 Height (Ext): 55"

Weight (Net): 4311 lb
 Volume (Net): 1.1cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting		Plant: 100 3/27/2026 11:41:16 AM	Tech: J. Horsley - A PC: Celina Goff	
Structure ID: 2280813				
P4 MH048CCN24		CON CONE w/24" HOLE F/G		
P6) 24" - CASTING HEIGHT - 7" P5) 24" - GRADE RING F/F - 4" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 24" P2) 48" - MH RISER SPECIAL T/G - 72" P1) 48" - MH BASE T/n - 54" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 3) 48" - Conseal CS-102 1.00" (Double) 3) Kor-N-Seal2 - S206-28 12) MH Step ML-10-TDS-NCR - 10"		0 lb 270 lb 2252 lb 1677 lb 4757 lb 4557 lb 1440 lb 0 lb 20 lb 0 lb ----- Structure Total: 14972 lb	Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS REQUIRED 5. 7" CASTING SUPPLIED BY OTHERS	
				
 48" - CON CONE w/24" HOLE F/G - 24" - (P4)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 2252 lb Volume (Net): 0.57cu.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 8:03:41 AM

Tech: S. Felletter
PC: A. Chambers



Structure ID: X3 ST-CI

P2 MH060LD13-24SQ

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

P4) 24" x 24" - CASTING HEIGHT - 5"
P3) 24" x 24" - GRADE RING F/F - 3"
P2) 60" - MH FLAT TOP w/24"x24" Hole F/G - 13"
P1) 60" - MH BASE T/n - 60"
1) CASTING - HOE KY-465 SET (CBI TY F)
1) 60" - Con seal CS-102 1.00"
2) 24" x 24" - Con seal CS-102 1.00"
3) Hole - 30

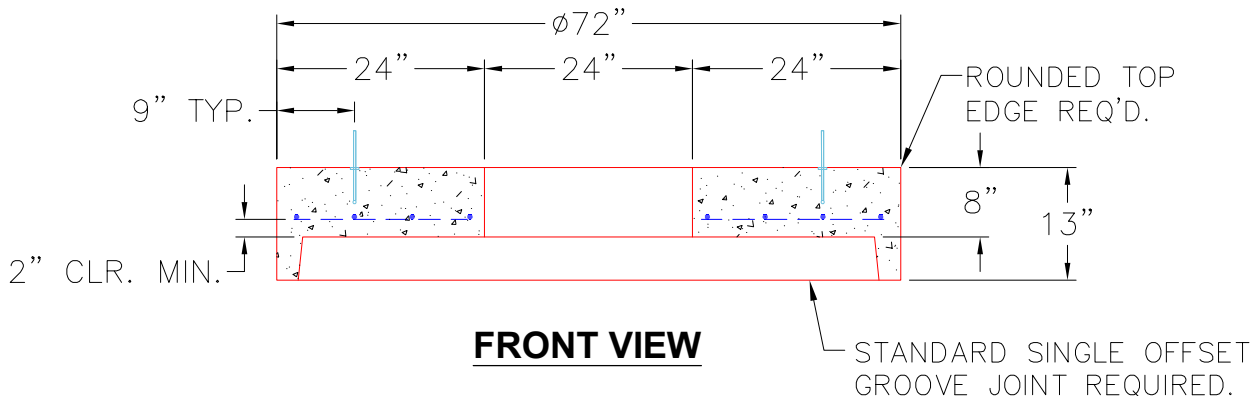
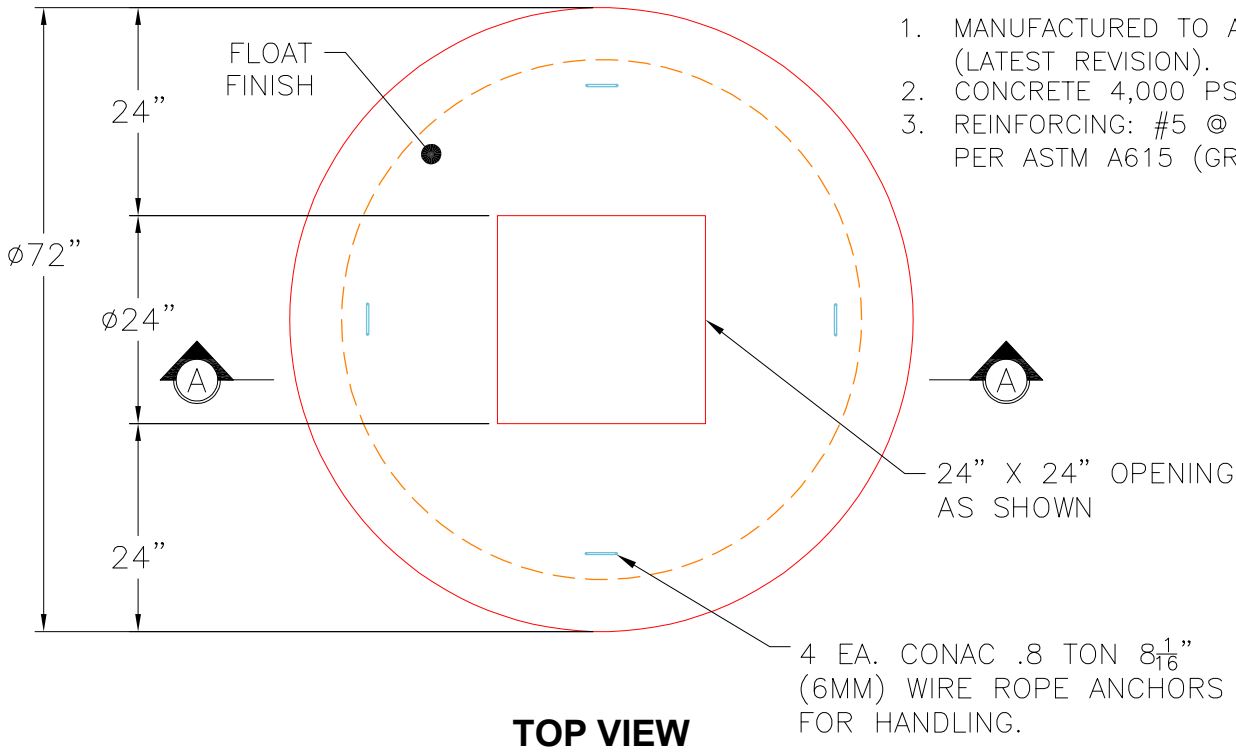
0 lb
258 lb
2619 lb
7887 lb
465 lb
0 lb
0 lb
0 lb
Structure Total: 11229 lb

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 .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 6" C.C. E.W. PER ASTM A615 (GRADE 60)



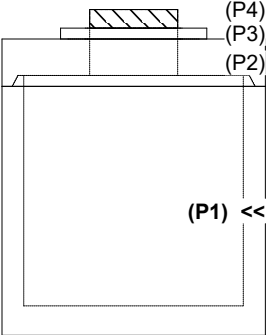
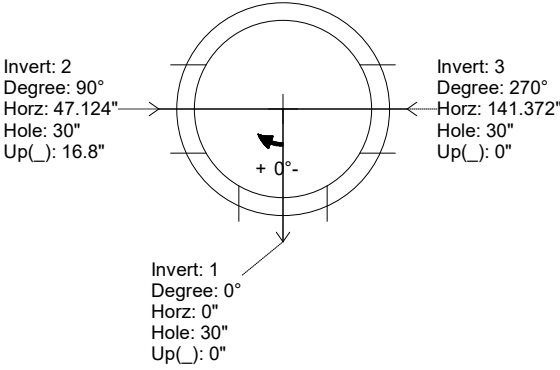
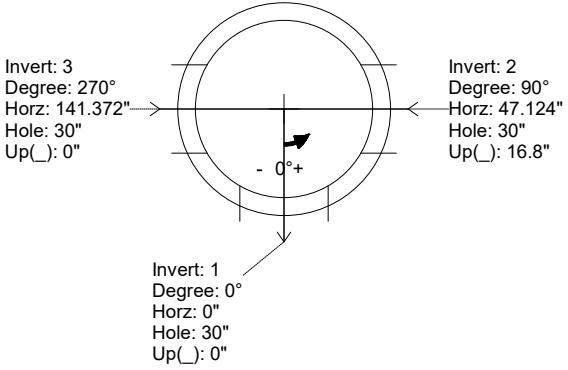
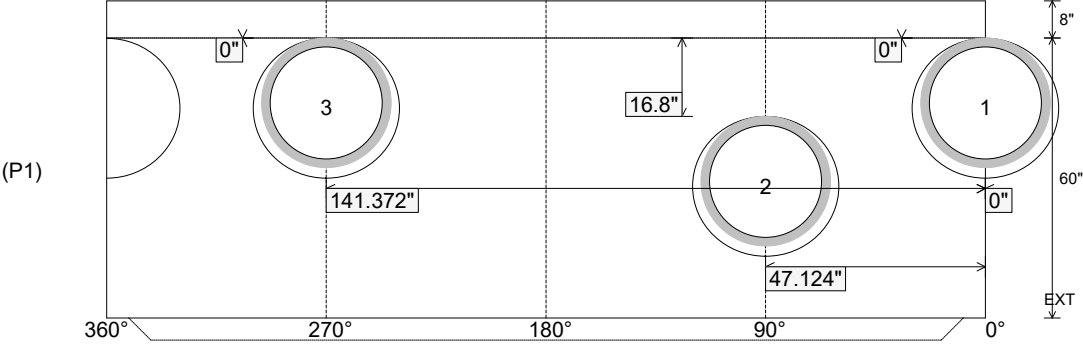
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 2619 lb
Volume (Net): 0.67cu.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 8:02:27 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: X3 ST-CI											
P1		MH060BA60		MH BASE T/n							
P4) 24" x 24" - CASTING HEIGHT - 5" P3) 24" x 24" - GRADE RING F/F - 3" P2) 60" - MH FLAT TOP w/24"x24" Hole F/G - 13" P1) 60" - MH BASE T/n - 60" 1) CASTING - HOE KY-465 SET (CBI TY F) 1) 60" - Conseal CS-102 1.00" 2) 24" x 24" - Conseal CS-102 1.00" 3) Hole - 30"						0 lb 258 lb 2619 lb 7887 lb 465 lb 0 lb 0 lb 0 lb ----- Structure Total: 11229 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 .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.			
Rim: 369.19'		Rim to Invert: 6.79'		Slack: 2.38"		Sump: 1.9"		Step Position: 270°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	362.4'	0°	0"	24" HDPE	27.8"	Hole 30	30"	31.416"	0"	0"	
Invert 2	363.8'	90°	56.549"	24" HDPE	27.8"	Hole 30	30"	31.416"	16.8"	0"	
Invert 3	362.4'	270°	169.646"	24" HDPE	27.8"	Hole 30	30"	31.416"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions) INSIDE WALL DIMENSIONS											
   											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 6" Floor Height: 8"		Height (Int): 60" Height (Ext): 68"		Weight (Net): 7887 lb Volume (Net): 2.02cu.yd		

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

Plant: 100

6/4/2026 1:36:59 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: MH-4

P3 MH060TS13-48ECC

MH Transition Slab 48" Hole T/G

- P5) 24" - CASTING HEIGHT - 7"
P4) 48" - ECC CONE w/ 24" HOLE F/G - 42"
P3) 60" - MH Transition Slab 48" Hole T/G - 13"
P2) 60" - MH RISER T/G - 54"
P1) 60" - MH BASE T/h - 24"
1) Chimney Seal - Cretex Chimney Seal
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 60" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375-WT F/C Sanitary
2) 60" - Conseal CS-102 1.00" (Double)
1) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 16' NYLO
11) MH Step ML-10-TDS-NCR - 10"

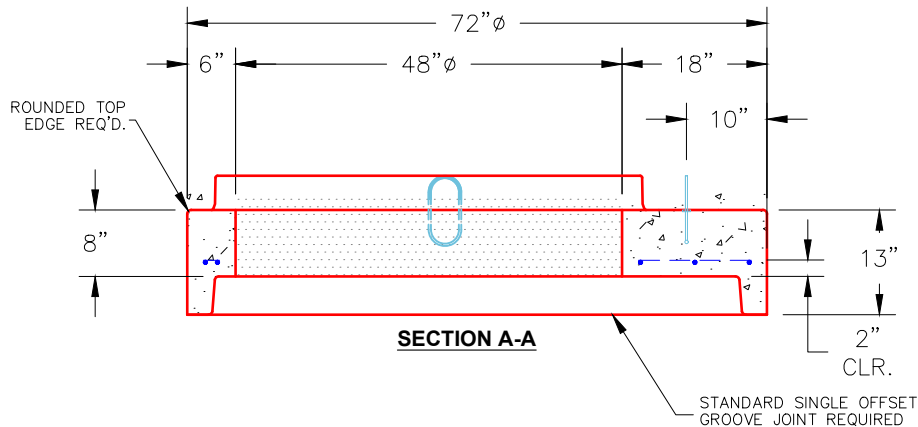
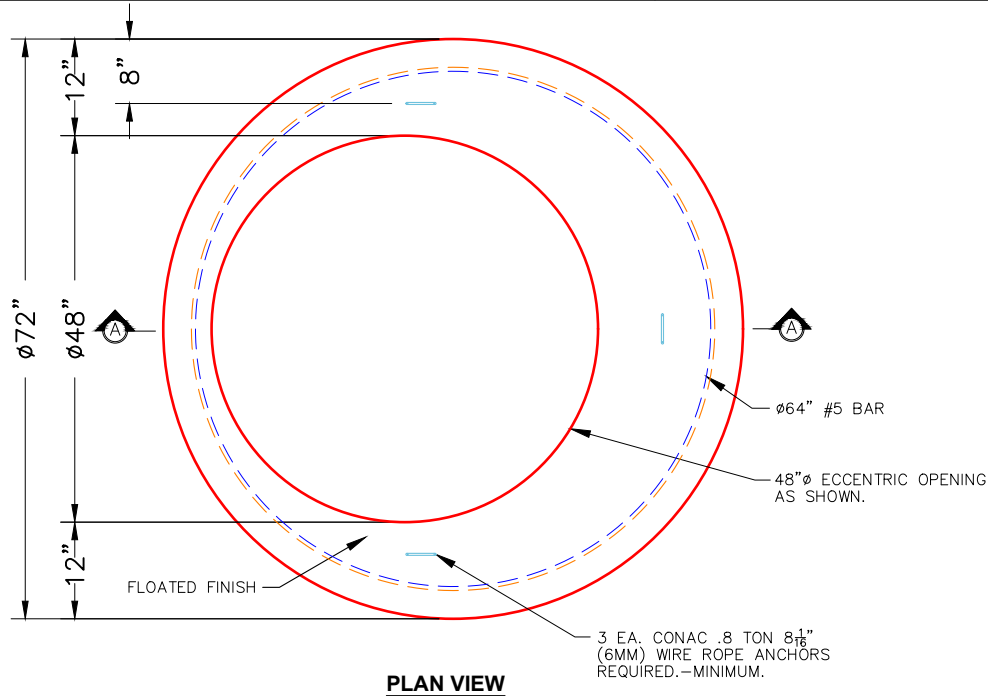
0 lb
3200 lb
1928 lb
5637 lb
5034 lb
10 lb
0 lb
0 lb
2692 lb
271 lb
0 lb
0 lb
0 lb
16 lb
0 lb

Structure Total:

18788 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY).
 4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST.
- REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
 - TRANS. SLAB (As .31) #5 BARS AT 6" C.C.E.W.
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 1928 lb
Volume (Net): 0.49cu.yd



Weight (Net): 5742 lb
Volume (Net): 1.47cu.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 1:21:25 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301544											
P1 MH060DPVF		MH BASE (12"F) w/DROP Custom Ht T/n									
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 24" P4) 48" - MH RISER T/G - 72" P3) 60" - MH Transition Slab 48" Hole T/G - 15" P2) 60" - MH RISER w/DROP T/G - 60" P1) 60" - MH BASE (12"F) w/DROP Custom Ht T/n - 72" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 19) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 5030 lb 2204 lb 6235 lb 13845 lb 2692 lb 3612 lb 2580 lb 0 lb 0 lb 2 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 38452 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 67 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS 7. EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST				
					FIRST POUR (BASE): 13,845 LBS SECOND POUR (DROP): 3,612 LBS						
Rim: 755.04'		Rim to Invert: 20.75'		Slack: 2"		Sump: 3"		Step Position: 67°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	734.29'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"	
Invert 2	734.39'	134°	84.25"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"	
Invert 3											
Invert 4	736.09'	246°	154.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 12"	Height (Int): 72" Height (Ext): 84"	Weight (Net): 13845 lb Volume (Net): 3.54cu.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 1:21:25 PM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301544

P1 MH060DPVF

MH BASE (12"F) w/DROP Custom Ht T/n

P6) 24" - CASTING HEIGHT - 7"

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

P4) 48" - MH RISER T/G - 72"

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

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

P1) 60" - MH BASE (12"F) w/DROP Custom Ht T/n - 72"

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

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

2) A-Lok - 1235

1) Drop Tee - 8" PVC

1) Drop Elbow - 8" PVC

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

0 lb

2252 lb

5030 lb

2204 lb

6235 lb

13845 lb

2692 lb

3612 lb

2580 lb

0 lb

0 lb

2 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 38452 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

4. INVERT CHANNEL REQUIRED

5. STEPS AT 67 DEGREES

6. 7" CASTING SUPPLIED BY OTHERS

7. EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST

8. ADD 8" SDR 35 DROP & ELBOW AT INVERT 4 (246°)

First Pour (Base): 13,845 LBS

Second Pour (Drop): 3,612 LBS

Rim: 755.04'

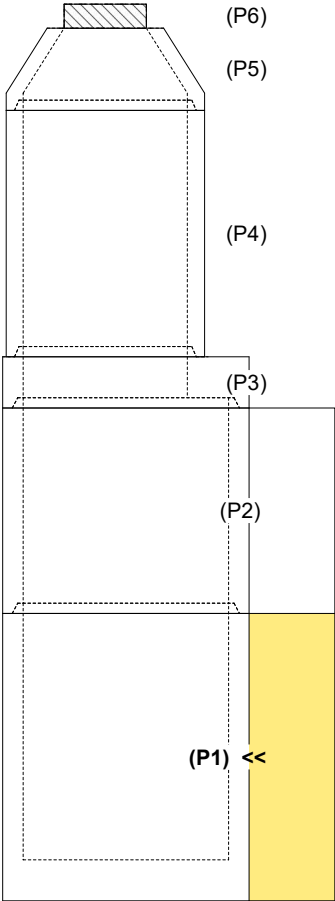
Rim to Invert: 20.75'

Slack: 2"

Sump: 3"

Step Position: 67°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (")	Offset
Invert 1	734.29'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	734.39'	134°	84.25"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4	736.09'	246°	154.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										



(P6)

(P5)

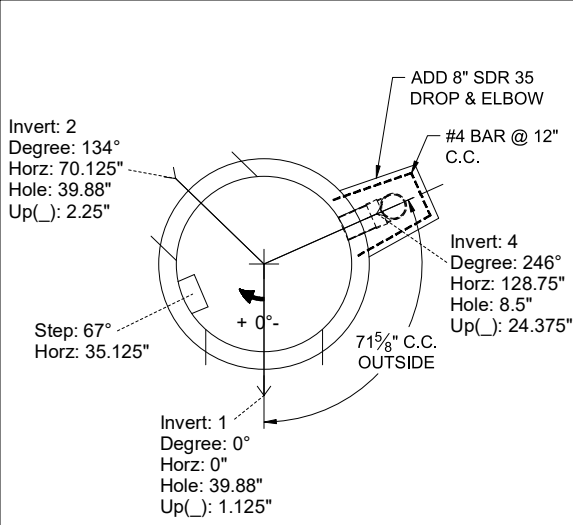
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



ADD 8" SDR 35 DROP & ELBOW

#4 BAR @ 12" C.C.

Invert: 2
Degree: 134°
Horz: 70.125"
Hole: 39.88"
Up(_): 2.25"

Invert: 4
Degree: 246°
Horz: 128.75"
Hole: 8.5"
Up(_): 24.375"

Step: 67°
Horz: 35.125"

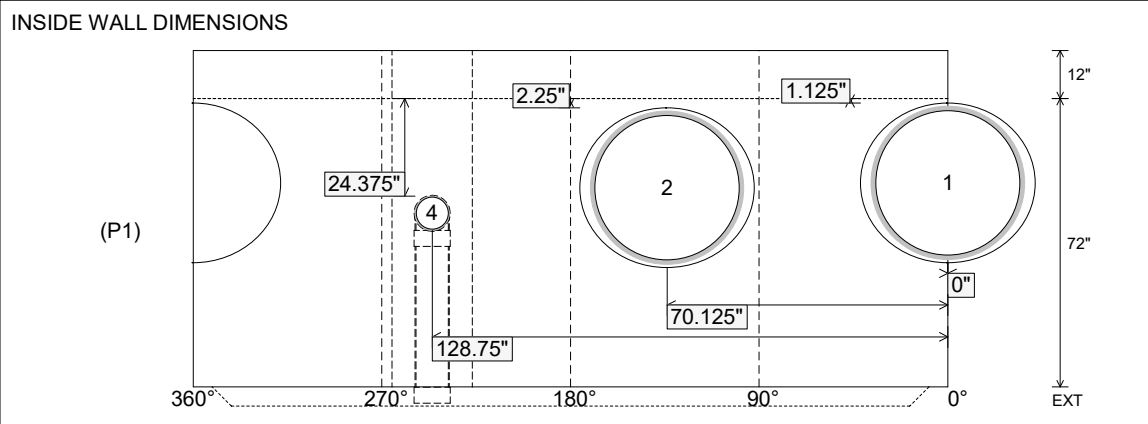
Invert: 1
Degree: 0°
Horz: 0"
Hole: 39.88"
Up(_): 1.125"

71 5/8" C.C. OUTSIDE

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 12"

Height (Int): 72"

Height (Ext): 84"

Weight (Net): 13845 lb

Volume (Net): 3.54cu.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 1:21:25 PM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301544

P1 MH060DPVF

MH BASE (12"F) w/DROP Custom Ht T/n

P6) 24" - CASTING HEIGHT - 7"

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

P4) 48" - MH RISER T/G - 72"

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

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

P1) 60" - MH BASE (12"F) w/DROP Custom Ht T/n - 72"

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

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

2) A-Lok - 1235

1) Drop Tee - 8" PVC

1) Drop Elbow - 8" PVC

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

0 lb

2252 lb

5030 lb

2204 lb

6235 lb

13845 lb

2692 lb

3612 lb

2580 lb

0 lb

0 lb

2 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 38452 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 67 DEGREES

6. 7" CASTING SUPPLIED BY OTHERS

7. EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST

Rim: 755.04'

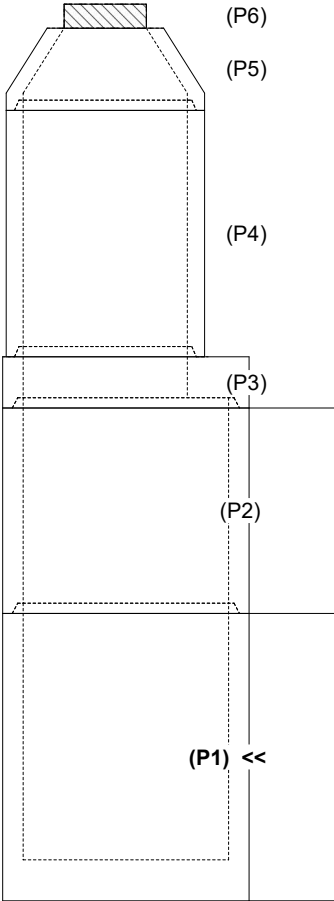
Rim to Invert: 20.75'

Slack: 2"

Sump: 3"

Step Position: 67°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	734.29'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	734.39'	134°	84.25"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4	736.09'	246°	154.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										



(P6)

(P5)

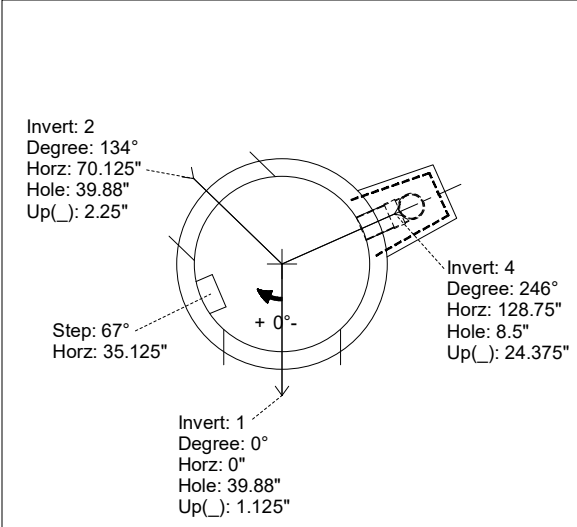
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 134°
Horz: 70.125"
Hole: 39.88"
Up(): 2.25"

Invert: 4
Degree: 246°
Horz: 128.75"
Hole: 8.5"
Up(): 24.375"

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

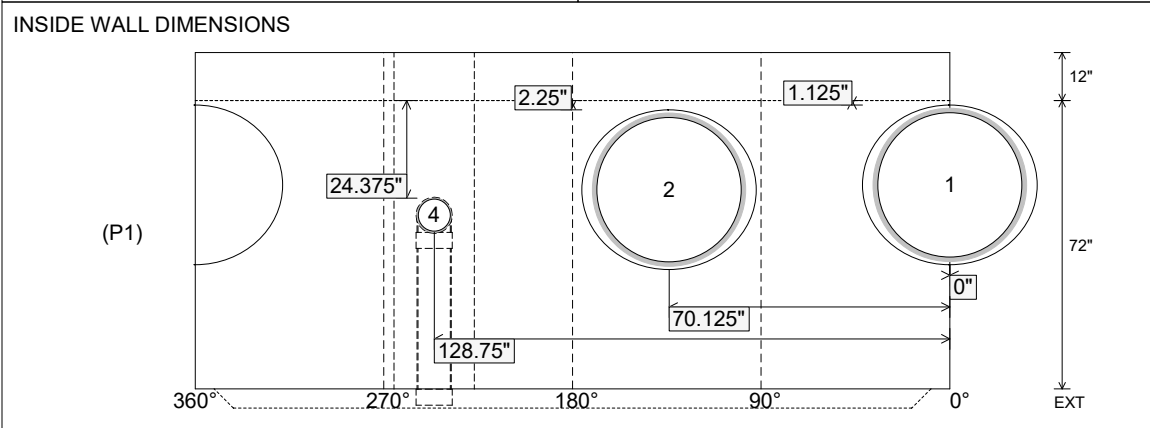
Step: 67°
Horz: 35.125"

+ 0°

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



2.25"

1.125"

12"

72"

0"

70.125"

128.75"

24.375"

360°

270°

180°

90°

0°

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 12"

Height (Int): 72"

Height (Ext): 84"

Weight (Net): 13845 lb

Volume (Net): 3.54cu.yd

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

Plant: 100

3/27/2026 11:40:35 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301558

P3 MH072TS15-48ECC

MH Transition Slab 48" Hole T/G

P6) 24" - CASTING HEIGHT - 7"
P5) 48" - CON CONE w/24" HOLE F/G - 36"
P4) 48" - MH RISER T/G - 48"
P3) 72" - MH Transition Slab 48" Hole T/G - 15"
P2) 72" - MH RISER w/DROP T/G - 48"
P1) 72" - MH BASE (10"F) w/DROP Custom Ht T/n - 60"
1) 72" - MH INVERT CHANNEL - FULL HEIGHT
1) SECONDARY POUR - Add Exterior Drop to Base (P1)
1) SECONDARY POUR - Add Exterior Drop to Riser (P2)
2) 72" - Conseal CS-102 1.00" (Double)
2) 48" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1235
1) Drop Tee - 8" PVC
1) Drop Elbow - 8" PVC
17) MH Step ML-10-TDS-NCR - 10"

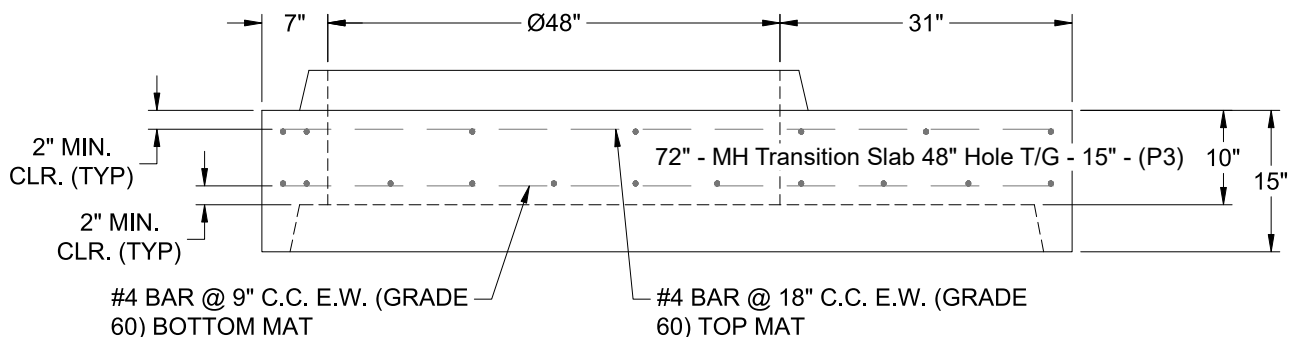
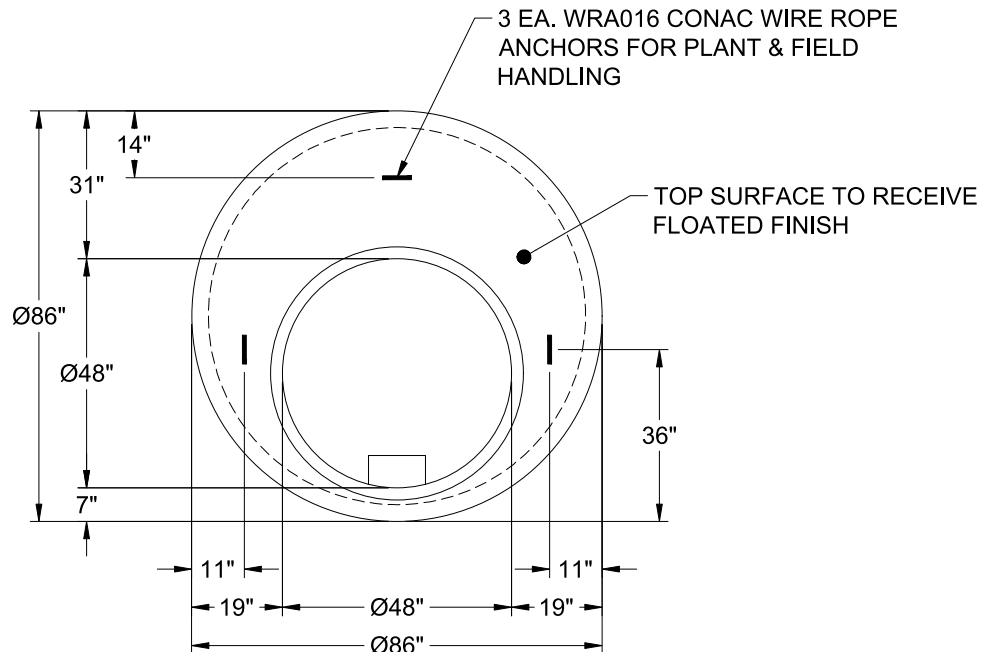
0 lb
2252 lb
3353 lb
3864 lb
6964 lb
15068 lb
5422 lb
3010 lb
2064 lb
0 lb
0 lb
2 lb
0 lb
0 lb
0 lb
0 lb

Structure Total:

42000 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. STEPS REQUIRED
5. 7" CASTING SUPPLIED BY OTHERS
6. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE
ANCHORS FOR PLANT & FIELD HANDLING
7. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 7"

Height (Ext): 15"

Weight (Net): 3864 lb
Volume (Net): 0.99cu.yd

Job Name: 25-2471 - Texas Roadhouse
Job Location: Danville, KY
Contractor: McCain Bros Excavating LLC

Plant: 100

6/12/2026 3:42:23 PM

Tech: Jared - F
PC: M. Sullivan



Structure ID: 8

P2 MH084TS17-48ECC

MH Trans. Slab - 48" Hole ECC T/G

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE F/G - 42"
P2) 84" - MH Trans. Slab - 48" Hole ECC T/G - 17"
P1) 84" - MH BASE T/n - 78"
1) 84" - Conseal CS-102 1.00"
1) 48" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 38
1) Hole - 24
12) MH Step ML-10-TDS-NCR - 10"

Structure Total:

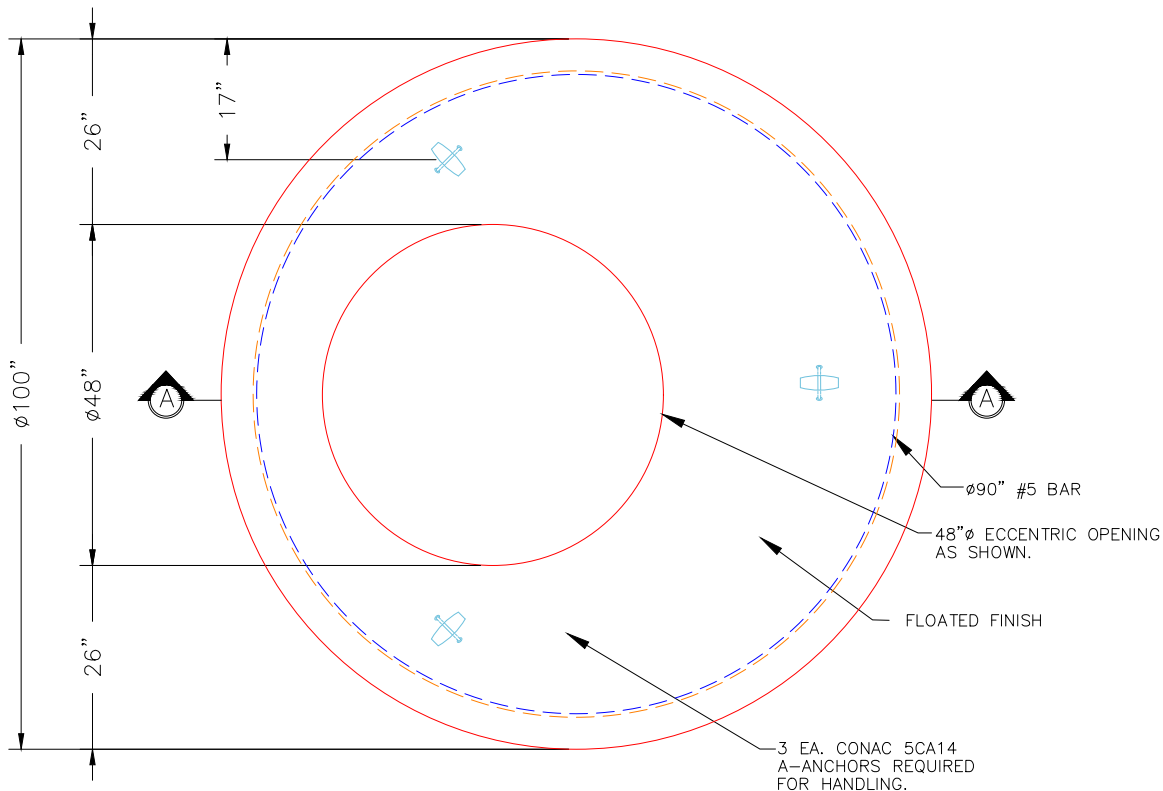
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3200 lb
5869 lb
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27596 lb

Structure Notes:

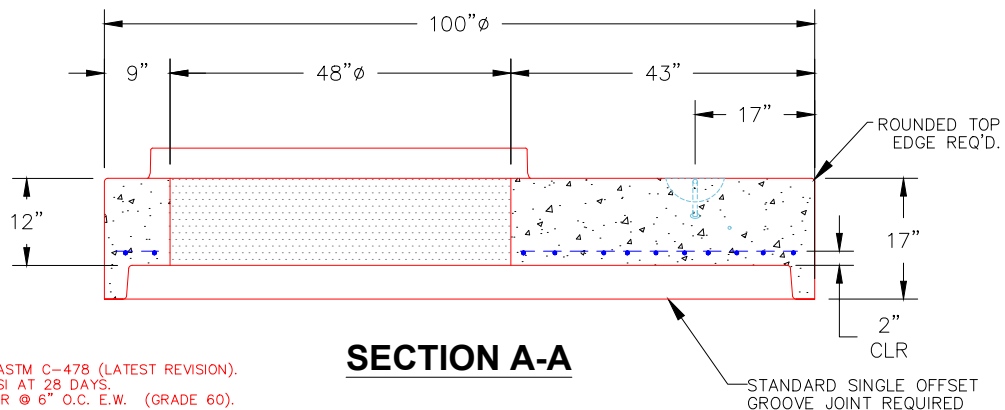
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. (7" TALL CASTING BY OTHERS)

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)
- TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .24)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.



PLAN VIEW



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 8"

Height (Ext): 17"

Weight (Net): 5869 lb
Volume (Net): 1.5cu.yd

Job Name: 26-2644 881922 Hawkins School Tennis
Job Location: Cleveland, OH
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

6/15/2026 10:28:10 AM

Tech: S. Felletter

PC: C. Goff



Structure ID: 15-CS-8

P1 MH096BAVF

MH MONOBASE 13F, Custom Ht T/n

- P4) 24" - CASTING HEIGHT - 4"
P3) 96" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 17"
P2) 96" - MH RISER T/G - 96"
P1) 96" - MH MONOBASE 13F, Custom Ht T/n - 24"
1) CVSTENCILING
1) ASSEMBLY REQUIRED
2) 96" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 32

0 lb
10015 lb
22680 lb
17113 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

49809 lb

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

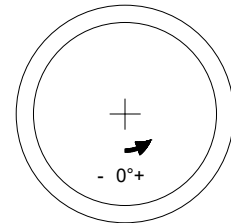
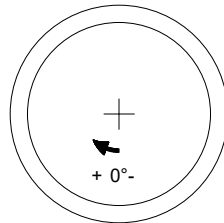
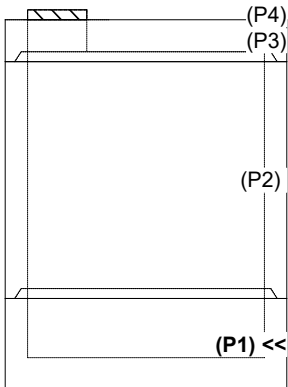
Structure Total:

Rim: 1028.15' Rim to Invert: 5.9' Slack: 11.844" Sump: 82.044" Step Position:

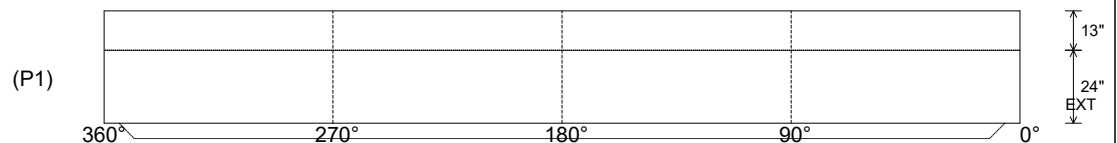
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 9"
Floor Height: 13"

Height (Int): 24"
Height (Ext): 37"

Weight (Net): 17113 lb
Volume (Net): 4.37cu.yd

Job Name: 26-2644 881922 Hawkins School Tennis
Job Location: Cleveland, OH
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

6/15/2026 10:28:24 AM

Tech: S. Felletter

PC: C. Goff



Structure ID: 15-CS-8

P3 MH096LD17SP

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

- P4) 24" - CASTING HEIGHT - 4"
P3) 96" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 17"
P2) 96" - MH RISER T/G - 96"
P1) 96" - MH MONOBASE 13F, Custom Ht T/n - 24"
1) CVSTENCILING
1) ASSEMBLY REQUIRED
2) 96" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 32

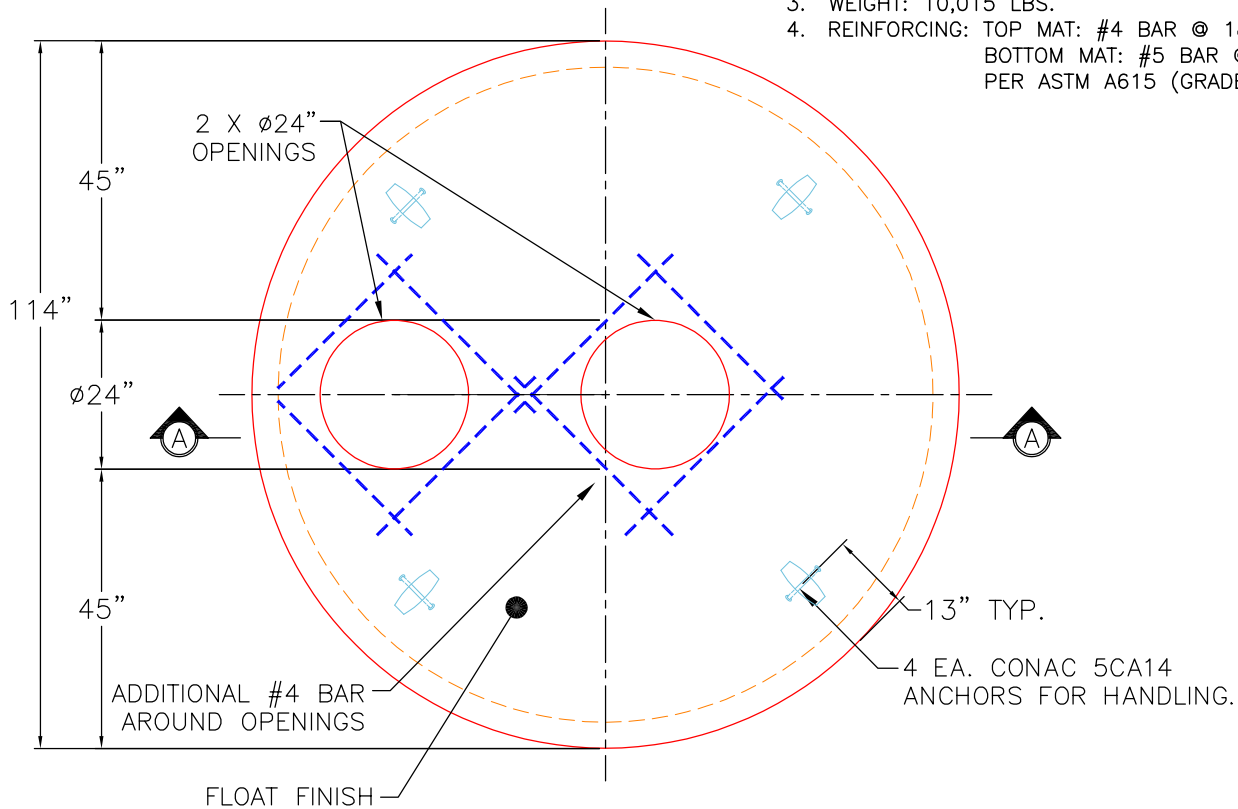
Structure Total:

0 lb
10015 lb
22680 lb
17113 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
49809 lb

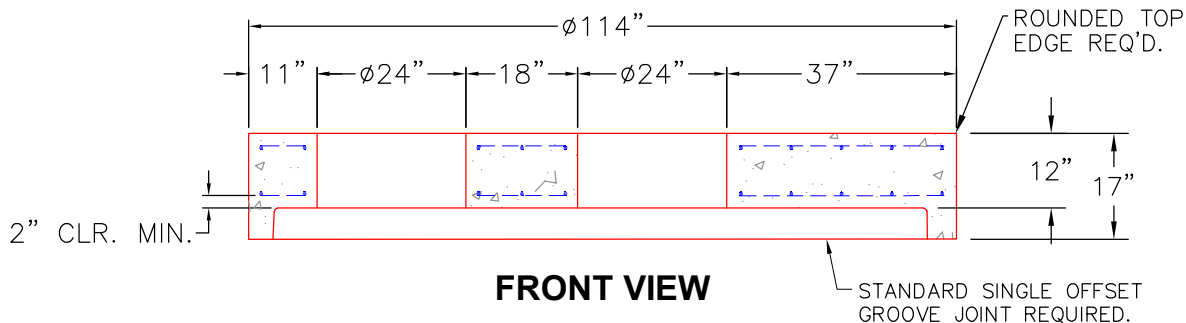
Structure Notes:
4" CASTING BY OTHERS
LIFTING ANCHORS TO BE INSTALLED
ON THE OUTSIDE OF THE STRUCTURE
ICAST TO INSTALL THE INTERNALS
CONTECH'S LOGO AS WELL AS THE
INLET AND OUTLET MUST BE
STENCILED ONTO THE STRUCTURE

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 5,000 PSI AT 28 DAYS.
3. WEIGHT: 10,015 LBS.
4. REINFORCING: TOP MAT: #4 BAR @ 18" C/C E.W.
BOTTOM MAT: #5 BAR @ 12" C/C E.W.
PER ASTM A615 (GRADE 60)



PLAN VIEW



FRONT VIEW

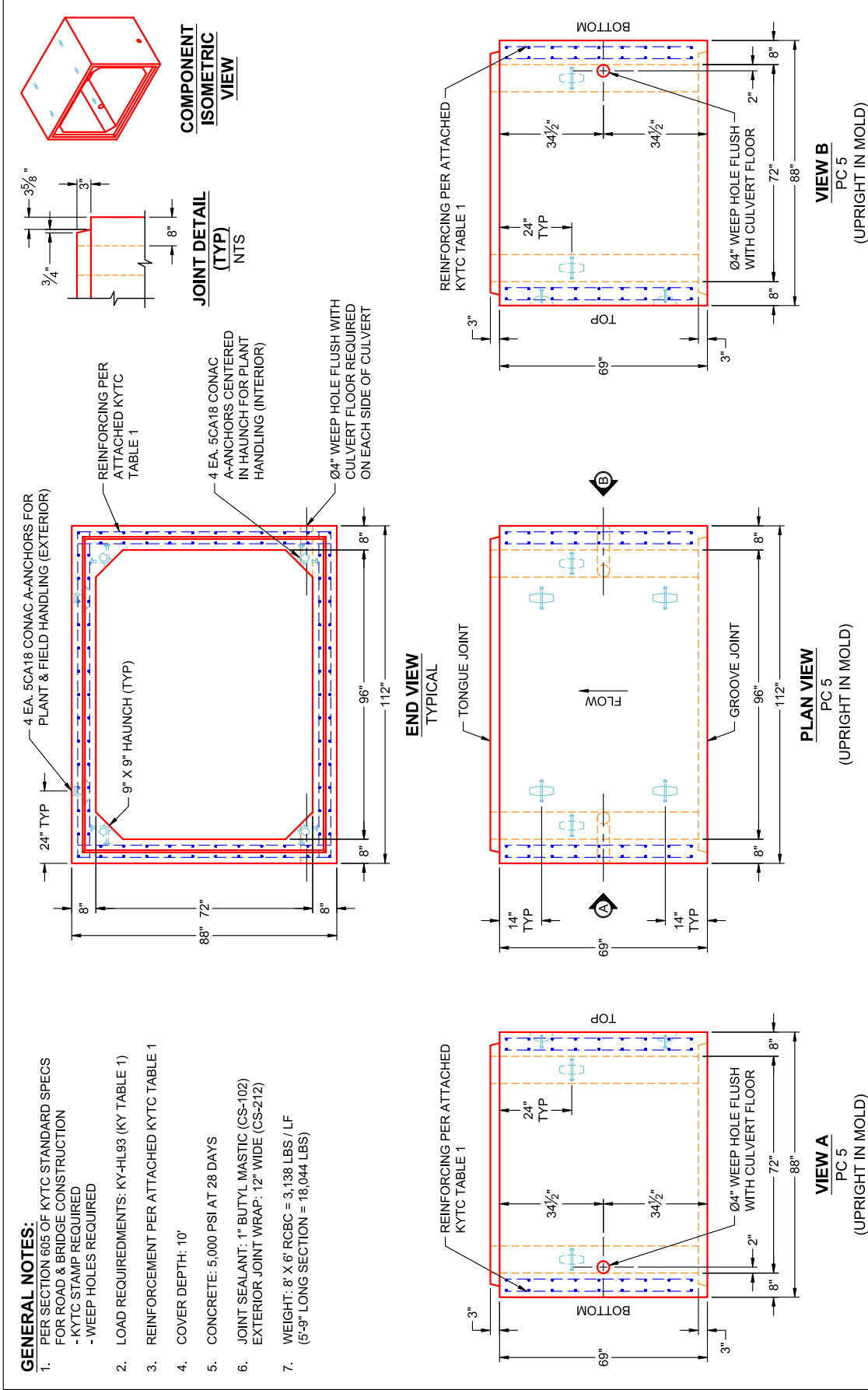
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

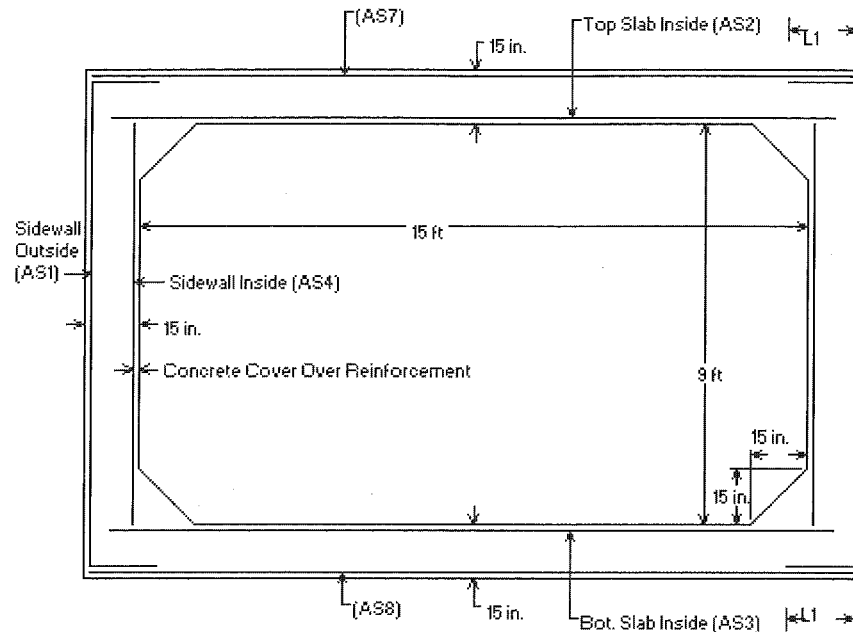
Wall Thickness: 9"

Height (Ext): 17"

Weight (Net): 10015 lb
Volume (Net): 2.56cu.yd



PRODUCTION WORK ORDER		PRODUCT I.D.: BC096072-08WLF-9H	DESCRIPTION: 96" X 72" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)
 ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED INSIDE. ☐ RECESS WITH HAUNCHES CORRECT. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ LIFTERS INSTALLED OUTSIDE. ☐ PRODUCT SQUARE.	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: JIM SMITH CONTRACTING
		PLANT: BEAVER DAM, KY	PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)
		WEIGHT: 18,044 LBS	STRUCTURE: ST. 43+62 (PC 5)
		TOP SECTION JOINT: TONGUE	ORDER NO: 24-1643B
		BASE SECTION JOINT: GROOVE	PE: J.H. ROSS
QC CHECK INITIALS:		DATE: 05/28/26	DRAWING: K. CARDWELL
THIS DRAWING IS THE PROPERTY OF INFRASTRUCTURE PRECAST, INC. ANY USE OR DUPLICATION OF THIS DRAWING WITHOUT PRIOR AUTHORIZATION IS STRICTLY PROHIBITED.		SCALE: NTS	PG. 1 OF 1



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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

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

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

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

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

Plant: 100
5/29/2026 8:41:18 AM

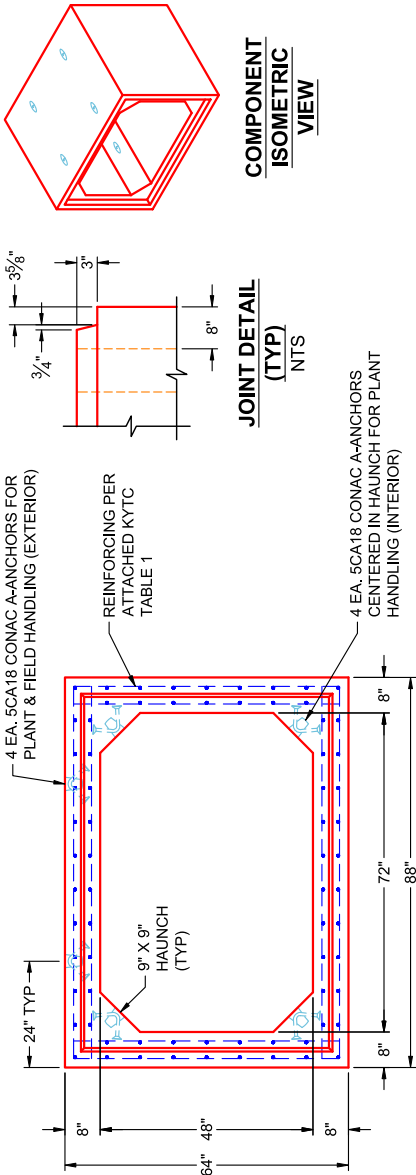
Tech: Jared - A
PC: A. Chambers



Structure ID: BC 6 x 4 (Sec M)

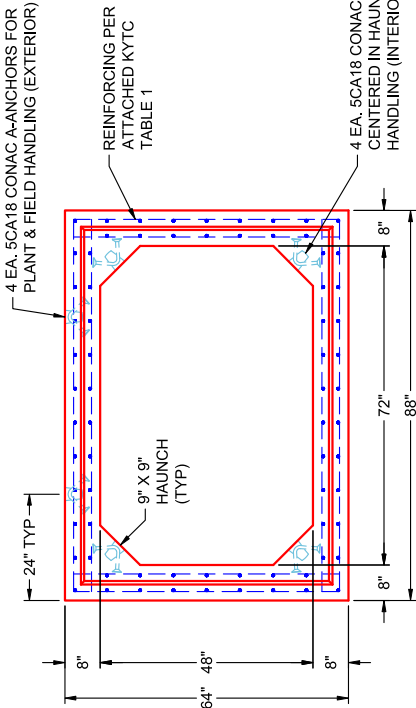
P1 BC048072-08WLF-9H

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

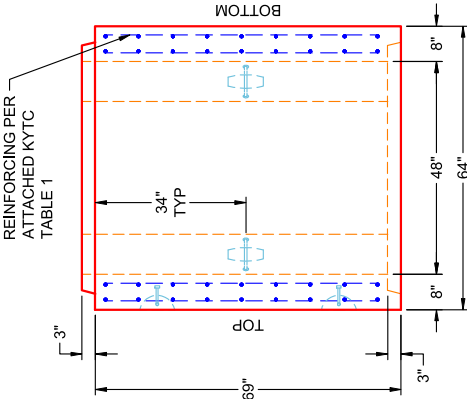


COMPONENT
ISOMETRIC
VIEW

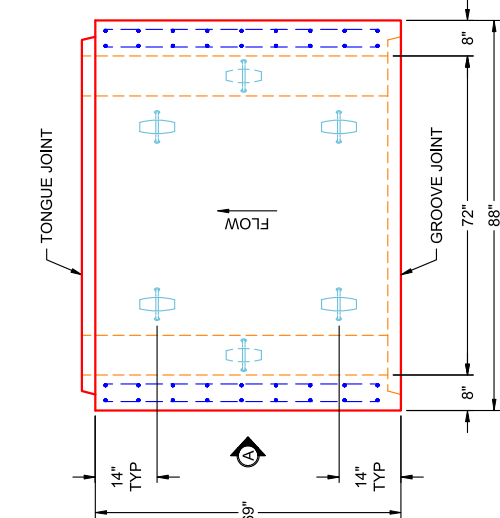
JOINT DETAIL
(TYP)
NTS



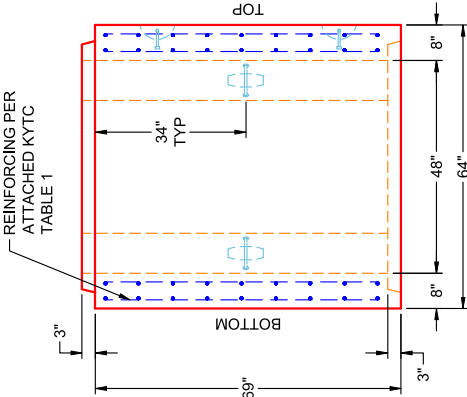
END VIEW
TYPICAL



VIEW B
SEC M
(UPRIGHT IN MOLD)



PLAN VIEW
SEC M
(UPRIGHT IN MOLD)



VIEW A
SEC M
(UPRIGHT IN MOLD)

- GENERAL NOTES:**
- PER SECTION 605 OF KYTC STANDARD SPECS FOR ROAD & BRIDGE CONSTRUCTION
 - LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
 - REINFORCEMENT PER ATTACHED KYTC TABLE 1
 - COVER DEPTH: 0' - 4'
 - CONCRETE: 5,000 PSI AT 28 DAYS
 - JOINT SEALANT: 1" BUTYL MASTIC (CS-102) EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
 - WEIGHT: 6' X 4' RCBC = 2,354 LBS / LF (5'-9" LONG SECTION = 13,537 LBS)

PRODUCTION WORK ORDER

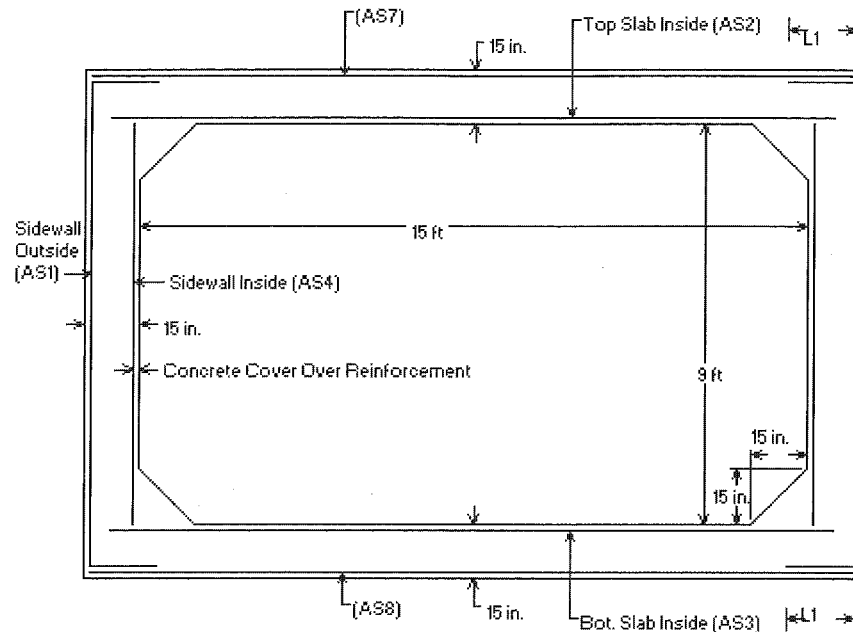


- QUALITY CONTROL CHECKLIST
- ☐ ALL DIMENSIONS CORRECT.
 - ☐ LIFTERS INSTALLED INSIDE.
 - ☐ RECESS WITH HAUNCHES CORRECT.
 - ☐ REINFORCING CORRECT.
 - ☐ SURFACE QUALITY ACCEPTABLE.
 - ☐ LIFTERS INSTALLED OUTSIDE.
 - ☐ PRODUCT SQUARE.

PRODUCT I.D.: BC048072-08WLF-9H
PRODUCT VIEW: RIGHT SIDE UP
PLANT: BEAVER DAM, KY
WEIGHT: 13,537 LBS
TOP SECTION JOINT: TONGUE
BASE SECTION JOINT: GROOVE
QC CHECK INITIALS:

DESCRIPTION: 72" X 48" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)
CUSTOMER: ERNIE DAVIS & SONS MECHANICAL, INC.
PROJECT: HUNTER'S RIDGE PH 1
STRUCTURE: BC 6 X 4 (SEC M)
ORDER NO: 25-2898
PE: J.H. ROSS
DRAWING: K. CARDWELL
DATE: 05/29/26
SCALE: NTS
PG. 1 OF 1

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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
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: 26-2484 Bass Pro Shops Outpost Paducah

Job Location: Paducah, KY

Contractor: Central Paving Co. of Paducah, Inc.

Plant: Beaver Dam

6/16/2026 8:02:29 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: X3.3 ST-CI

P1 BX2424-08BAVF

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

P2) 24" x 24" - CASTING HEIGHT - 5"

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

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

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

1) Hole - 24

0 lb

4111 lb

465 lb

0 lb

0 lb

Structure Total: 4576 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).

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

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

Rim: 367.82'

Rim to Invert: 3.47'

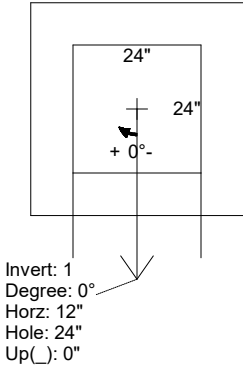
Slack: 0.24"

Sump: 1.6"

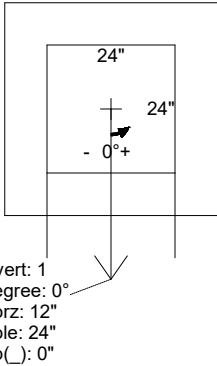
Step Position: 0°

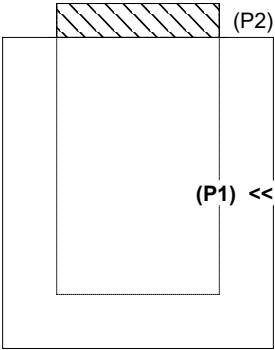
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	364.35'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

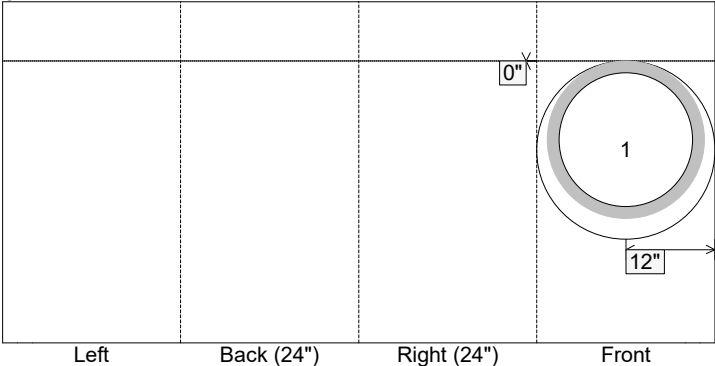


UPSIDE-DOWN VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 38"

Height (Ext): 46"

Weight (Net): 4111 lb

Volume (Net): 1.05cu.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 8:02:28 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: X3.2 ST-CI

P1 BX2424-08BA36

BOX BASE 8inW, 8inF F/n

P2) 24" x 24" - CASTING HEIGHT - 5"

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

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

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

2) Hole - 24

0 lb

3712 lb

465 lb

0 lb

0 lb

0 lb

Structure Total: 4177 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).

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

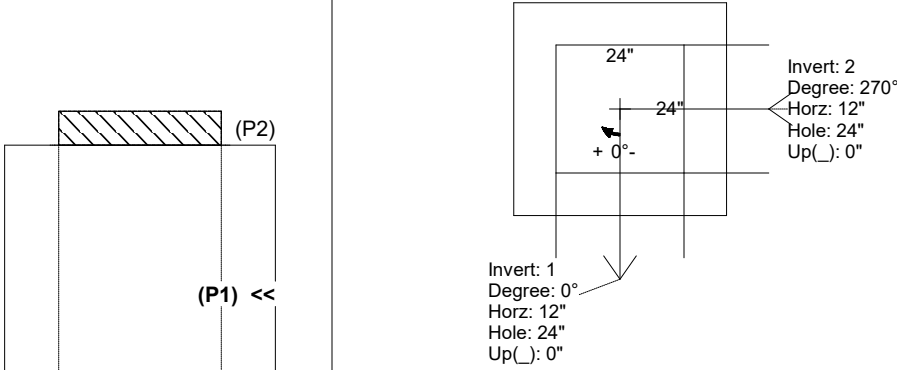
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

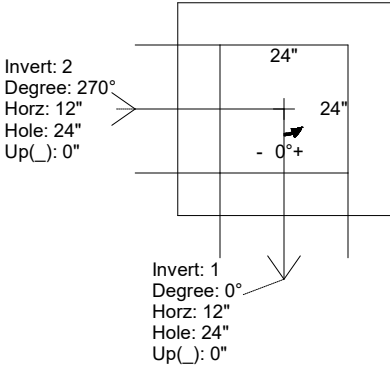
Rim: 367.11' Rim to Invert: 3.31' Slack: 0.32" Sump: 1.6" Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	363.8'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"
Invert 2	363.8'	270°	20"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

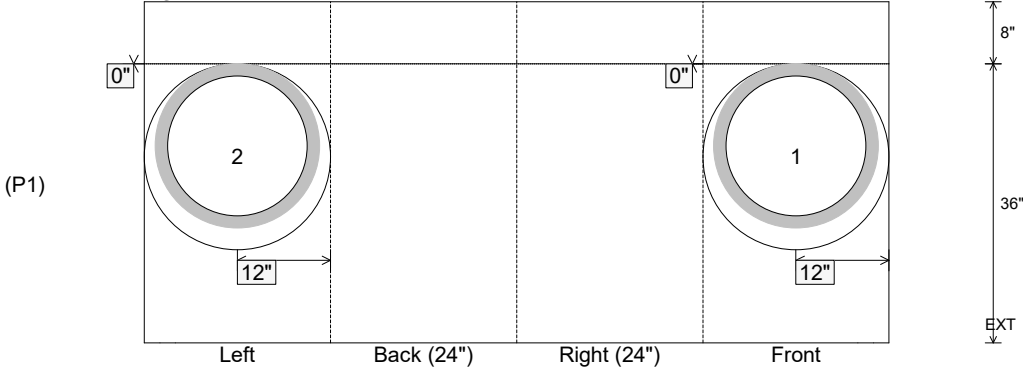
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)





INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 36"

Height (Ext): 44"

Weight (Net): 3712 lb

Volume (Net): 0.95cu.yd

Job Name: 26-2221 Nix HQ Expansion
Job Location: Poseyville, IN
Contractor: Chastain Excavating

Plant: Beaver Dam

6/15/2026 10:38:38 AM

Tech: S. Felletter

PC: T. Lewis



Structure ID: Curb Inlet 1 ST-CB

P1 BX2436-08BVF

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

P2) 24" x 36" - CASTING HEIGHT - 6"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 33"

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

1) 24" x 36" - Con Seal CS-102 1.00"

2) DOGHOUSE INVRTD - 32"x32"

0 lb

3438 lb

442 lb

0 lb

0 lb

Structure Total: 3880 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 525 FLAT SET).

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: 424.18'

Rim to Invert: 3.06'

Slack: 0.72"

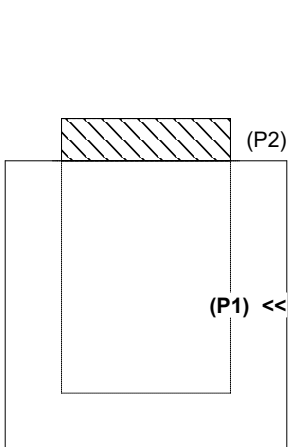
Sump: 3"

Step Position:

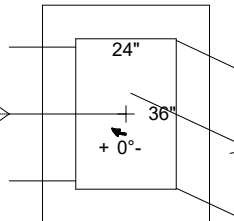
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (")	Offset
Invert 1	421.12'	295°	29.809"	24" RCP B WALL	30"	DOGHOUSE INVRTD 32"x32"	32" x 32"	35.308"	0"	-5"
Invert 2	421.16'	90°	26"	24" RCP B WALL	30"	DOGHOUSE INVRTD 32"x32"	32" x 32"	32"	0.48"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

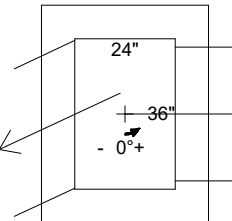


Invert: 2
Degree: 90°
Horz: 18"
Hole: 32" x 32"
Up(_): 0.48"



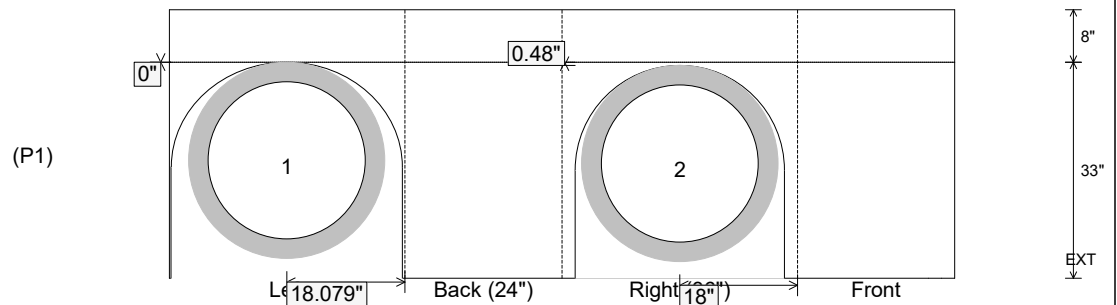
Invert: 1
Degree: 295°
Horz: 18.079"
Hole: 32" x 32"
Up(_): 0"

Invert: 1
Degree: 295°
Horz: 18.079"
Hole: 32" x 32"
Up(_): 0"



Invert: 2
Degree: 90°
Horz: 18"
Hole: 32" x 32"
Up(_): 0.48"

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 33"
Height (Ext): 41"

Weight (Net): 3438 lb
Volume (Net): 0.88cu.yd

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

Plant: Beaver Dam

Tech: J. Coppage

6/1/2026 8:23:26 AM

PC: C. Goff



Structure ID: MD-18

P1 BX4848-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 48" x 48" - CASTING HEIGHT - 0"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 38"
1) CASTING - JBS TYPE 39 TDOT GRATES (48" X 48")
1) Hole - 26

0 lb
8107 lb
459 lb
0 lb

Structure Total: 8566 lb

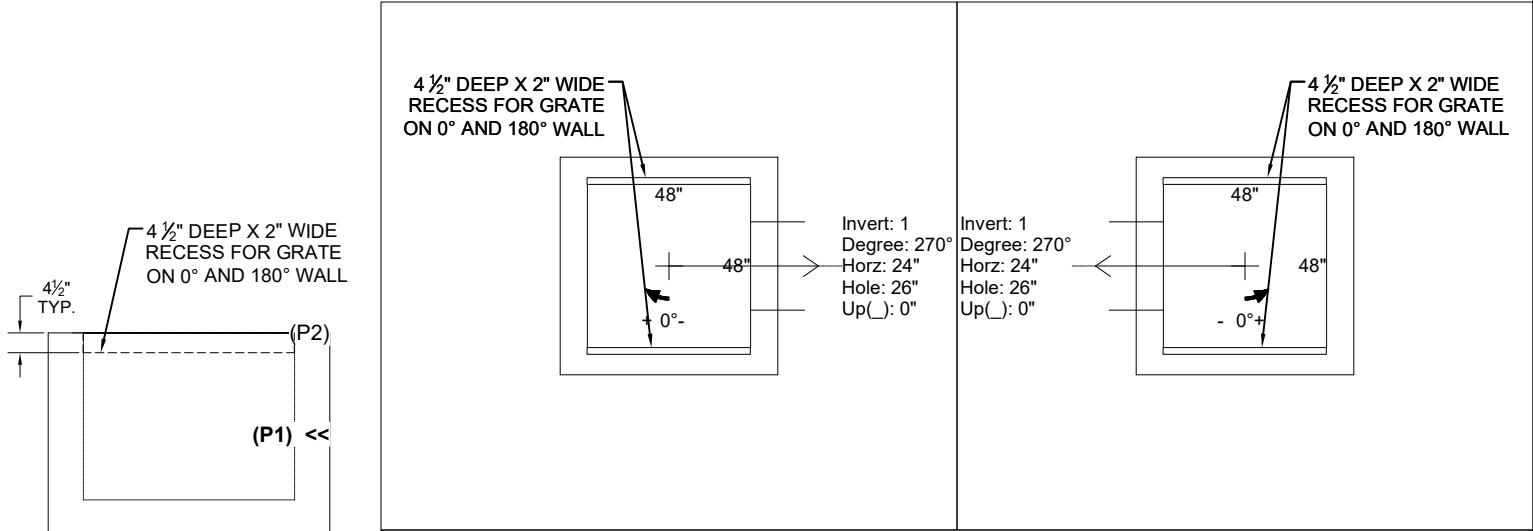
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS TDOT TYPE 39 BY ICAST
4. REINFORCING PER TDOT DRAWING D-CB-39S
ASTM A615 (GRADE 60).
5. PRODUCTION TO PLACE A 4.5" DEEP X 2" WIDE
RECESS IN THE TOP INSIDE OF THE 0 DEGREE
AND THE 180 DEGREE WALL OF THE BASE.

Rim: 771.29' Rim to Invert: 2.99' Slack: 0.38" Sump: 2.5" Step Position:

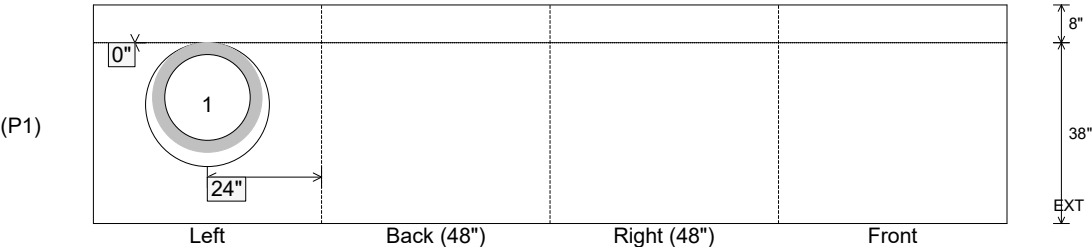
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	768.3'	270°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 8107 lb Volume (Net): 2.07cu.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 8:01:06 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: Z3 ST-OCS

P1 MH048BA72

MH BASE T/n

P4) 24" - CASTING HEIGHT - 0"
P3) 48" - MH FLAT TOP SPECIAL (MCS-295-B) F/G - 12"
P2) 48" - MH RISER T/G - 24"
P1) 48" - MH BASE T/n - 72"
1) SECONDARY POUR - WEIR WALL
1) CASTING - HOE MCS-295B F/G
2) 48" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 24"

0 lb
1593 lb
1677 lb
5966 lb
1099 lb
123 lb
0 lb
0 lb
0 lb
Structure Total: 10458 lb

Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MCS-295-B F/G). CAST-IN.
4. WEIR WALL POURED IN PLACE BY ICAST.
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.

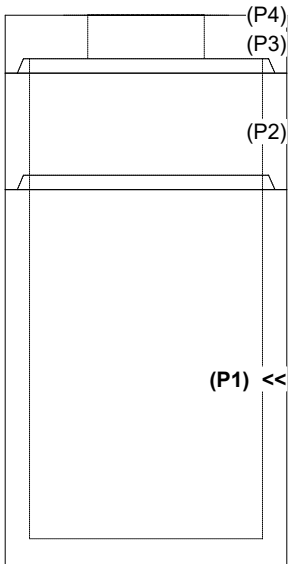
**See next page for
weir wall details**

Rim: 369' Rim to Invert: 8' Slack: 0" Sump: 12" Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	361'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	10.4"	0"
Invert 2	361'	172°	87.057"	18" HDPE	21.2"	Hole 24	24"	25.133"	10.4"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



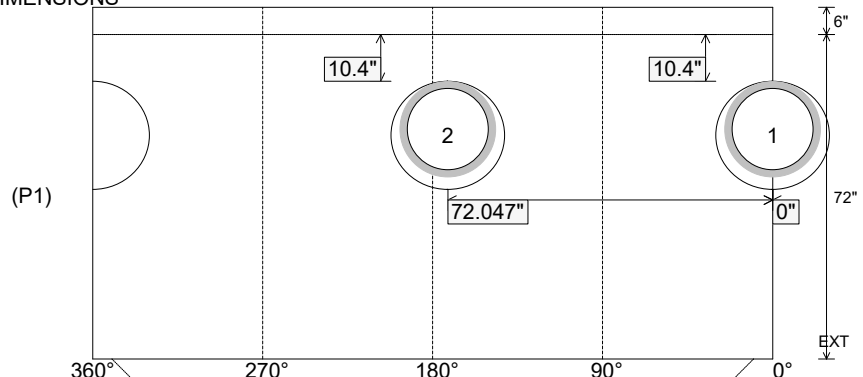
Invert: 2
Degree: 172°
Horz: 72.047"
Hole: 24"
Up(↓): 10.4"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 24"
Up(↓): 10.4"

Invert: 2
Degree: 172°
Horz: 72.047"
Hole: 24"
Up(↓): 10.4"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 24"
Up(↓): 10.4"

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

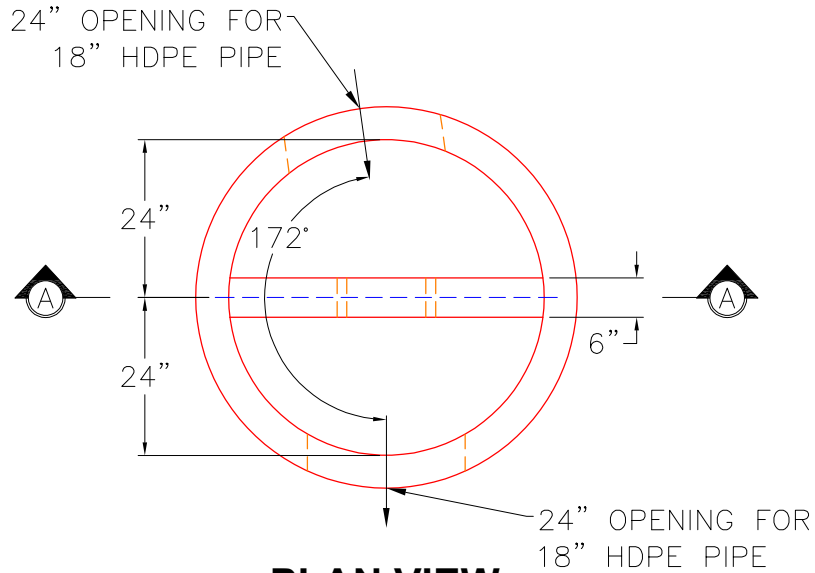
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 72"
Height (Ext): 78"

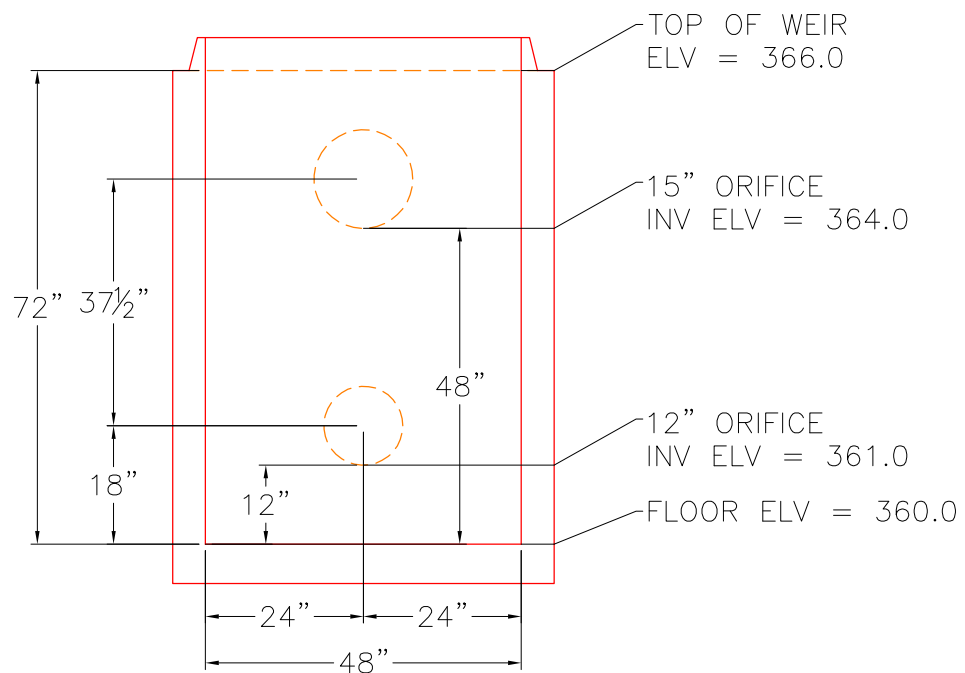
Weight (Net): 5966 lb
Volume (Net): 1.52cu.yd

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR.



PLAN VIEW

SOME DETAILS OMITTED FOR CLARITY

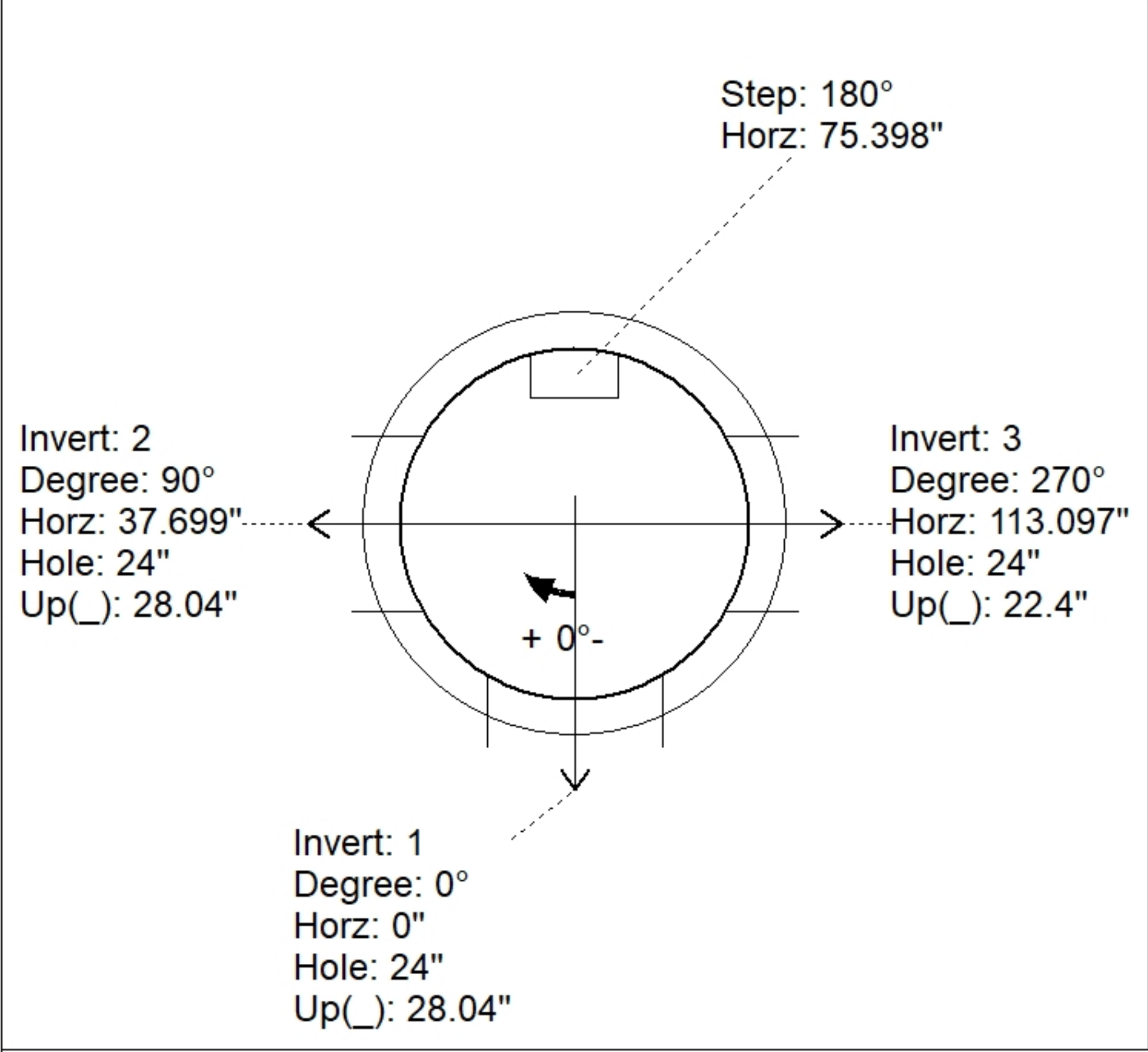
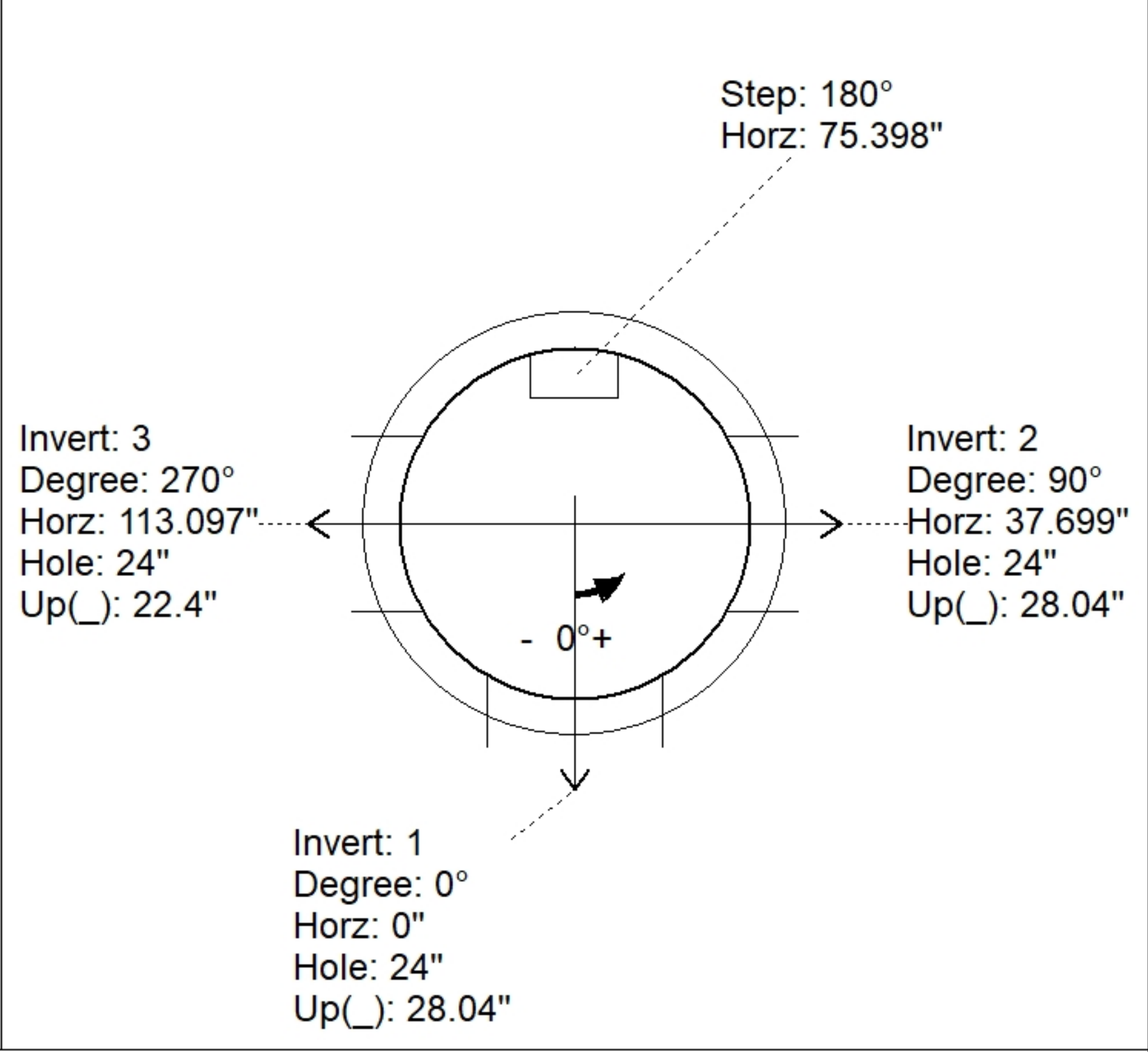
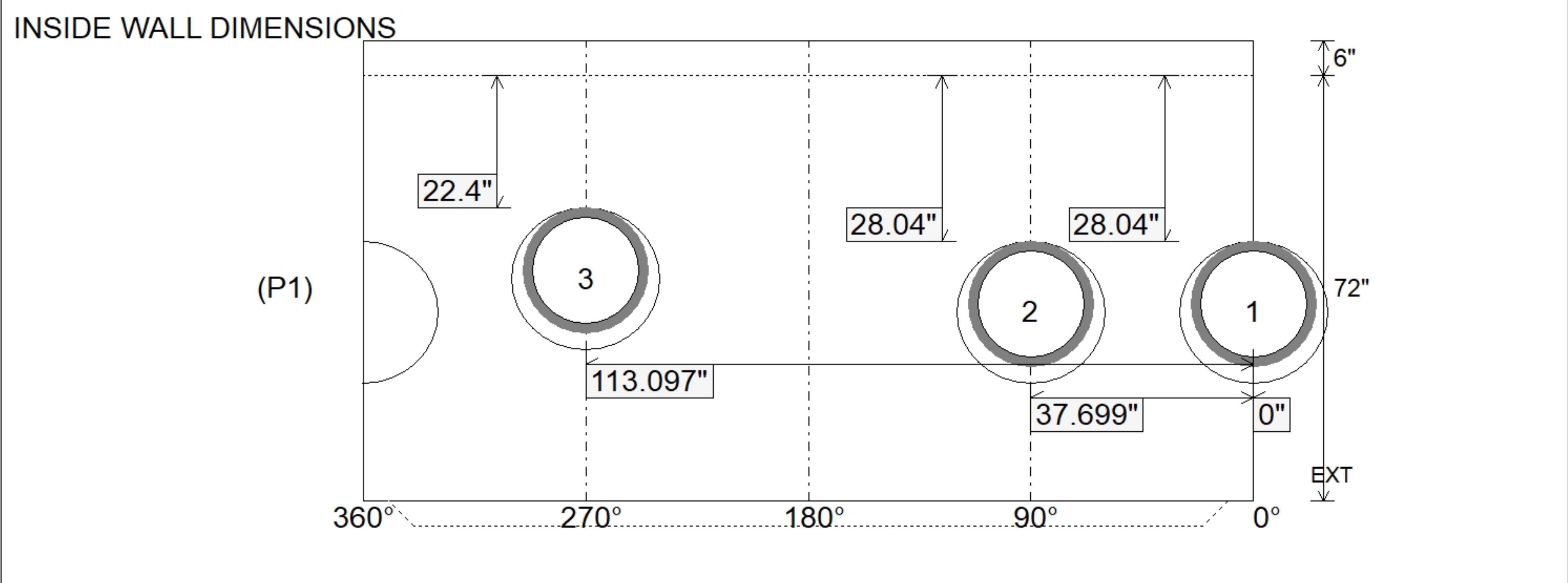


SECTION A-A

NOTES:

1. WEIR TO BE DOWELED IN AND REINFORCED WITH #5 BAR @ 12" C.C.E.W.

PRODUCTION WORK ORDER		PRODUCT I.D.: SECONDARY POUR	DESCRIPTION: 48" X 72" X 6" WEIR WALL W/ HOLES	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ HOLE LOCATION CORRECT. ☐ REINFORCING CORRECT. ☐ FINISH ON SLAB SURFACE UNIFORM. ☐ OUTSIDE TOP EDGE TROWELLED. ☐ FLAT BOTTOM.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CENTRAL PAVING CO. OF PADUCAH	
		PLANT: BEAVER DAM, KY.	PROJECT: BASS PRO SHOPS OUTPOST PADUCAH	
		WEIGHT: 1,099 LBS.	STRUCTURE: Z3 ST-OCS	
		TOP SECTION JOINT: N/A	QUOTE/SALES ORDER NO: 26-2484	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: S. FELLETTTER
		QC CHECK INITIALS:	DATE: 06/16/26	SCALE: NTS PG. 1 of 1

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 8:00:45 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: Z2 ST-MH											
P1 MH048BA72			MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 3" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE T/n - 72" 1) CASTING - HOE MC-375 F/C Storm 1) 48" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 3) Hole - 24 7) MH Step ML-10-TDS-NCR - 10"						0 lb 202 lb 3000 lb 5768 lb 271 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 (HOE MC-375 F/C). - REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 368.9' Rim to Invert: 7.9' Slack: 0.8" Sump: 24" Step Position: 180°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	361.47'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	28.04"	0"	
Invert 2	361.47'	90°	45.553"	18" HDPE	21.2"	Hole 24	24"	25.133"	28.04"	0"	
Invert 3	361'	270°	136.659"	18" HDPE	21.2"	Hole 24	24"	25.133"	22.4"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimenions) 											
INSIDE WALL DIMENSIONS  Coating (Int): Coating (Ext): Seam Up: Tongue Seam Dn: n/a Wall Thickness: 5" Floor Height: 6" Height (Int): 72" Height (Ext): 78" Weight (Net): 5768 lb Volume (Net): 1.47cu.yd											



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Structure ID: EW-5 434+00.00

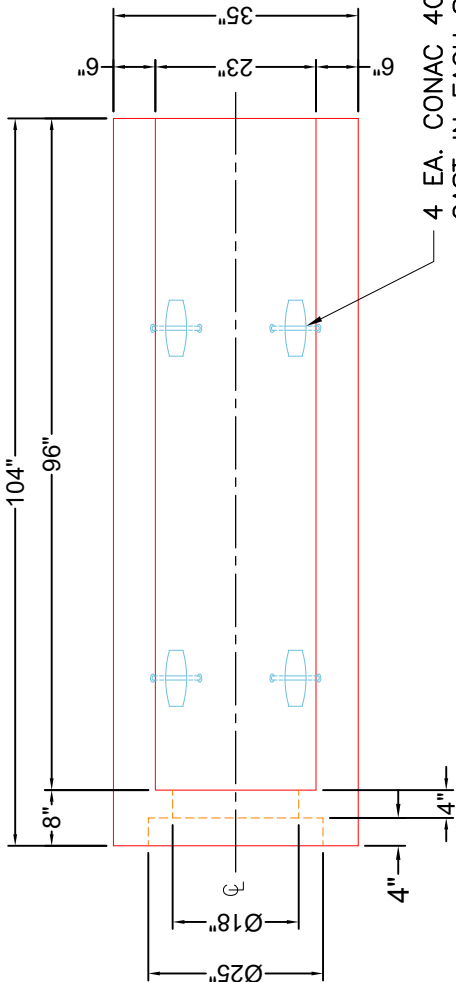
P1 HWTDOT4-1TU18

18" - HW TDOT 4:1 Type U Cross Drain Endwall

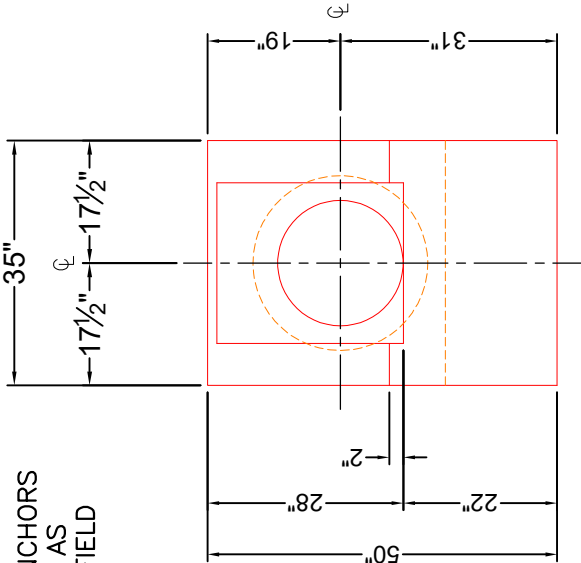
GENERAL NOTES:

- 1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- 2. CONCRETE: 5,000 PSI AT 28 DAYS.
- 3. WEIGHT: 4,320 LBS
- 4. REINFORCING: SEE SHEETS 2 AND 3 FOR REINFORCEMENT INFORMATION. (GRADE 60) REFERENCE TDOT DWG D-PE-18B

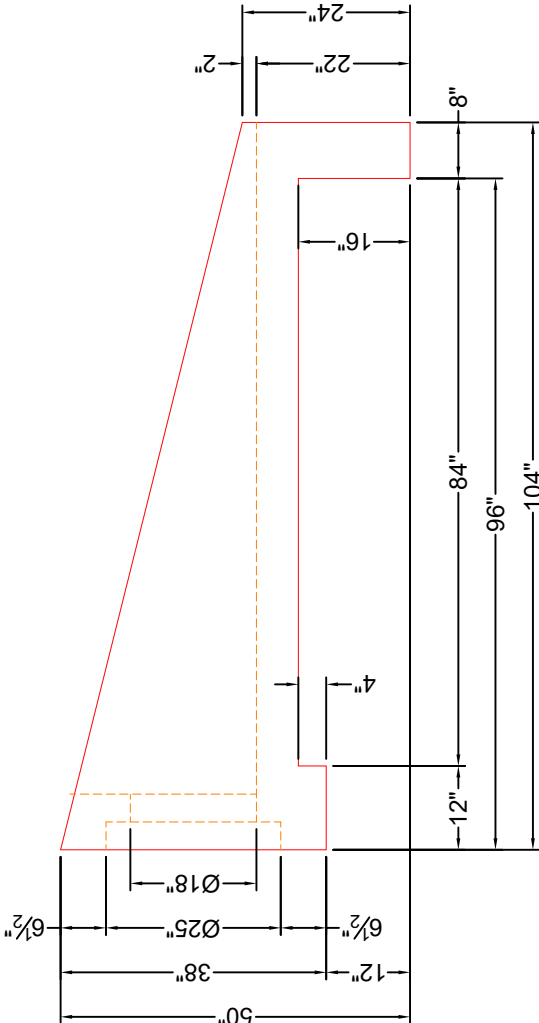
4 EA. CONAC 4CA14 ANCHORS
CAST IN EACH SECTION AS
SHOWN FOR PLANT & FIELD
HANDLING.



PLAN VIEW



FRONT ELEVATION



SIDE ELEVATION

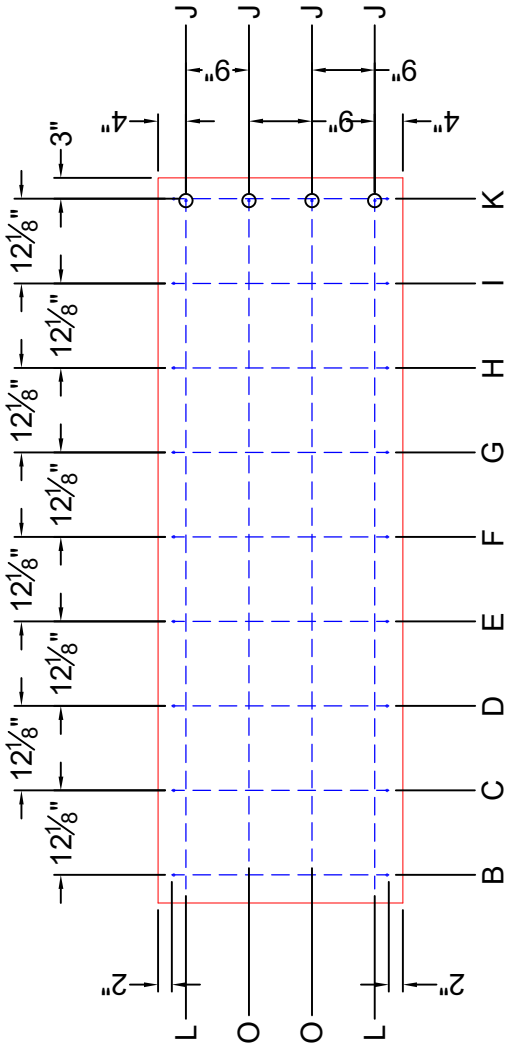
Structure ID: EW-5 434+00.00

P1 HWTDOT4-1TU18

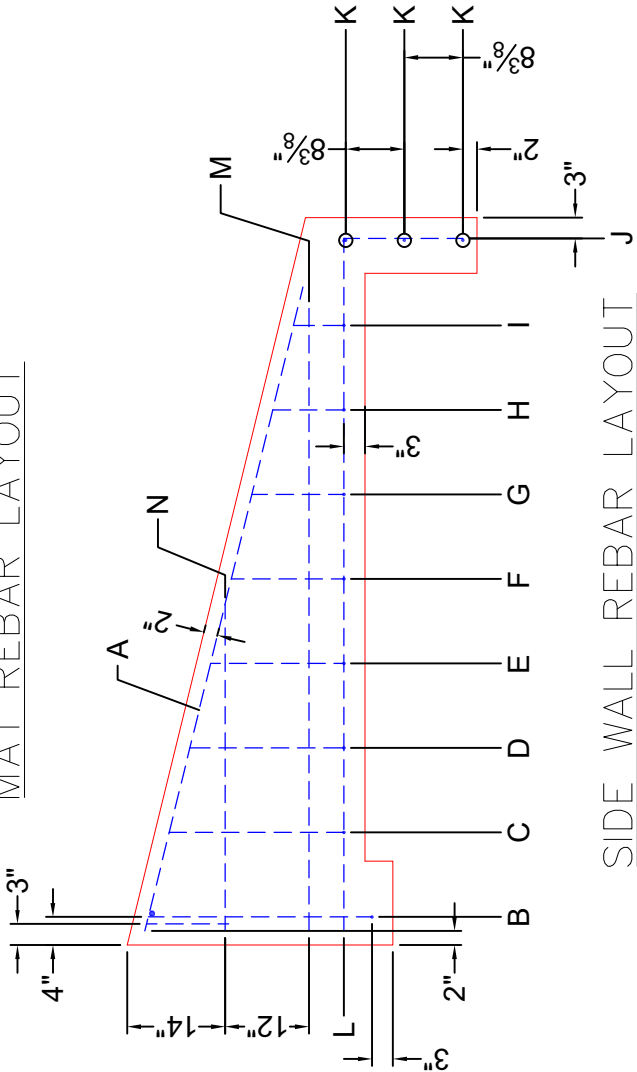
18" - HW TDOT 4:1 Type U Cross Drain Endwall

GENERAL NOTES:

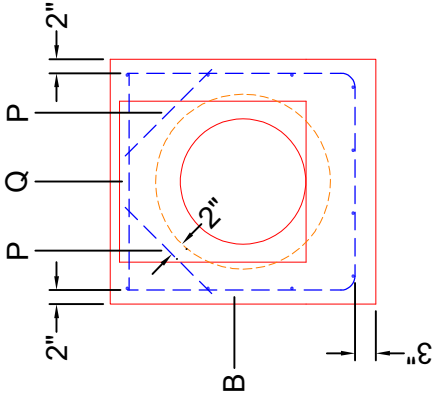
- 1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- 2. CONCRETE: 5,000 PSI AT 28 DAYS.
- 3. WEIGHT: 4,320 LBS
- 4. REINFORCING: SEE SHEETS 2 AND 3 FOR REINFORCEMENT INFORMATION. (GRADE 60)



MAT REBAR LAYOUT



SIDE WALL REBAR LAYOUT



BACK WALL REBAR LAYOUT

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

Plant: Beaver Dam
6/1/2026 12:50:52 PM

Tech: J. Coppage
PC: C. Goff

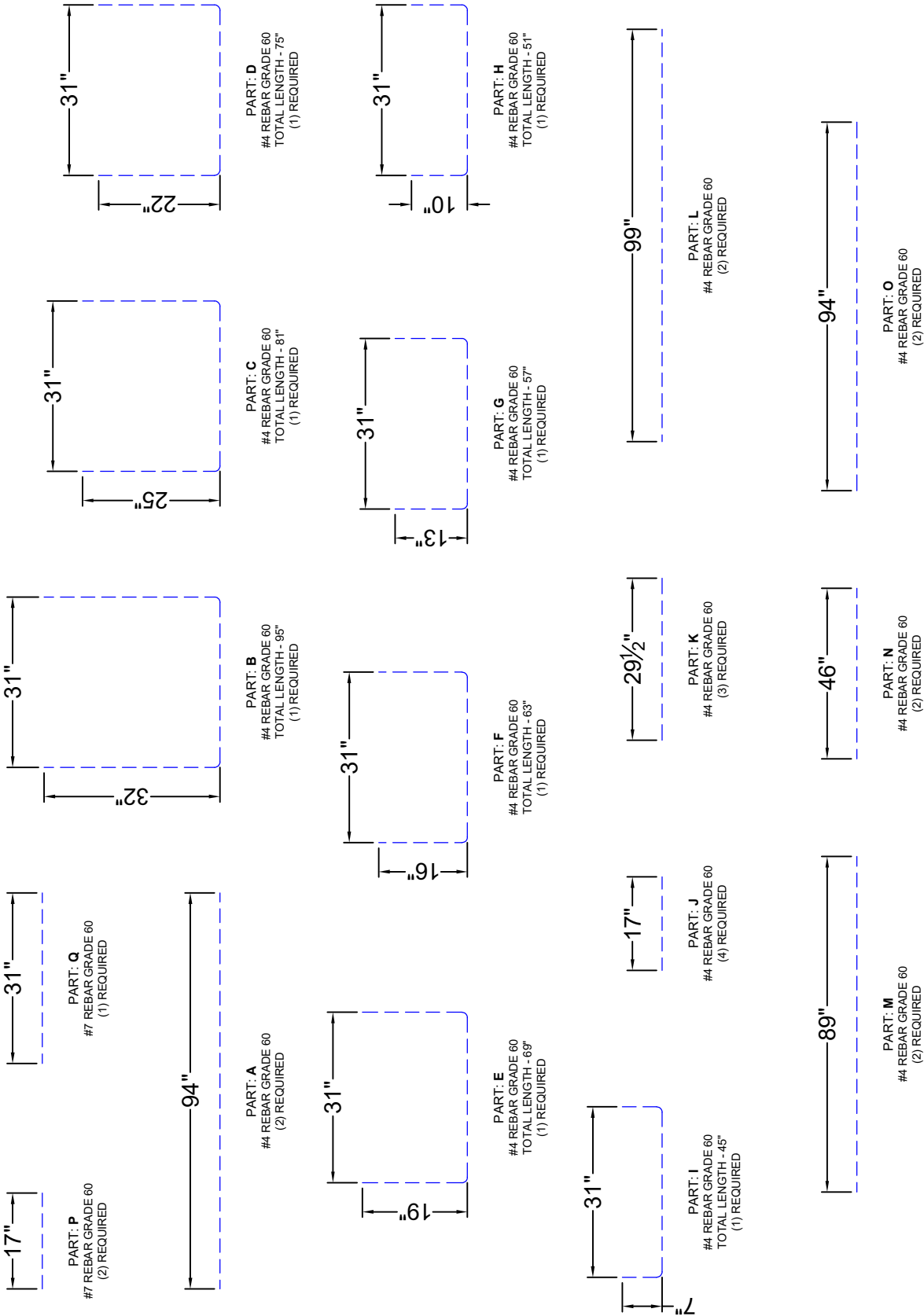


Structure ID: EW-5 434+00.00

P1 HWTDOT4-1TU18

18" - HW TDOT 4:1 Type U Cross Drain Endwall

NOTE:
REBAR PARTS P & Q ARE
#7 REBAR ALL OTHERS ARE
#4 REBAR



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

Plant: Beaver Dam
6/1/2026 12:50:57 PM

Tech: J. Coppage
PC: C. Goff



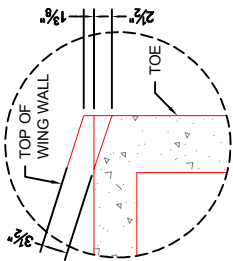
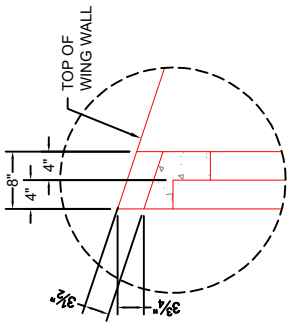
Structure ID: EW-8 447+89.00

P1 HWTDOT3-1TU42

42" - HW TDOT 3:1 Type U Cross Drain Endwall

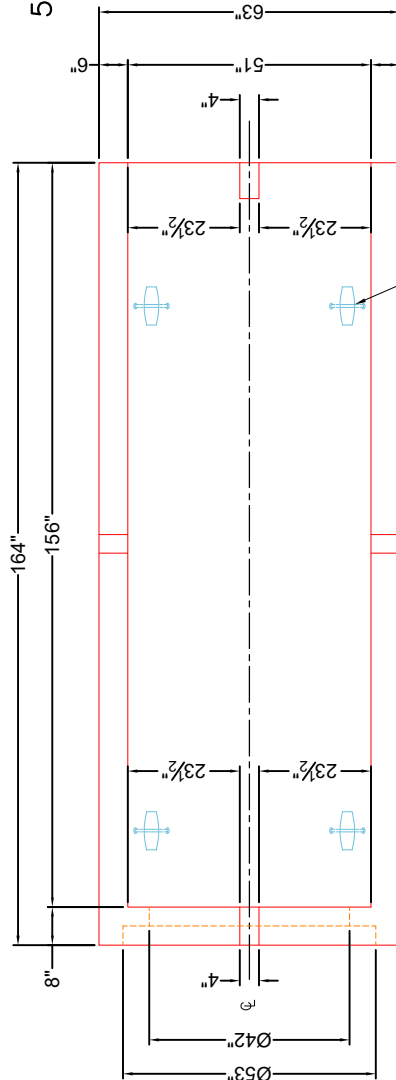
GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
4. REINFORCING: SEE SHEETS 2 AND 3 FOR REINFORCEMENT INFORMATION. (GRADE 60) REFERENCE TDOT DWG D-PE-42B
5. WEIGHT: 12,230 LBS

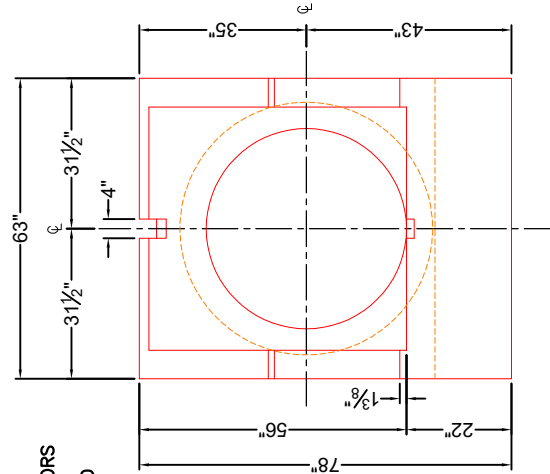


DETAIL B

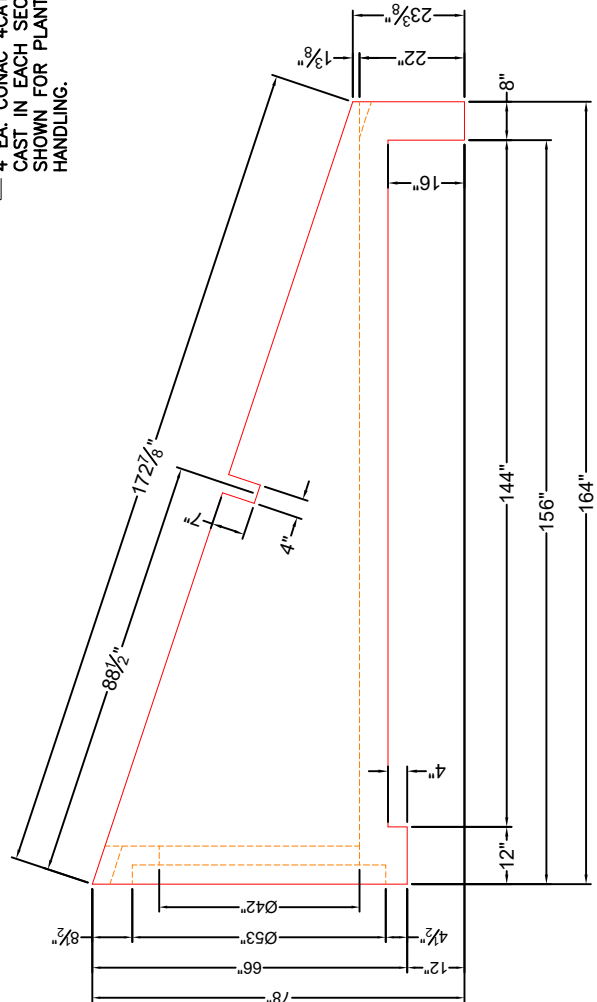
DETAIL A



PLAN VIEW



FRONT ELEVATION



SIDE ELEVATION



BACK WALL REBAR LAYOUT

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

Plant: Beaver Dam
6/1/2026 12:50:57 PM

Tech: J. Coppage
PC: C. Goff

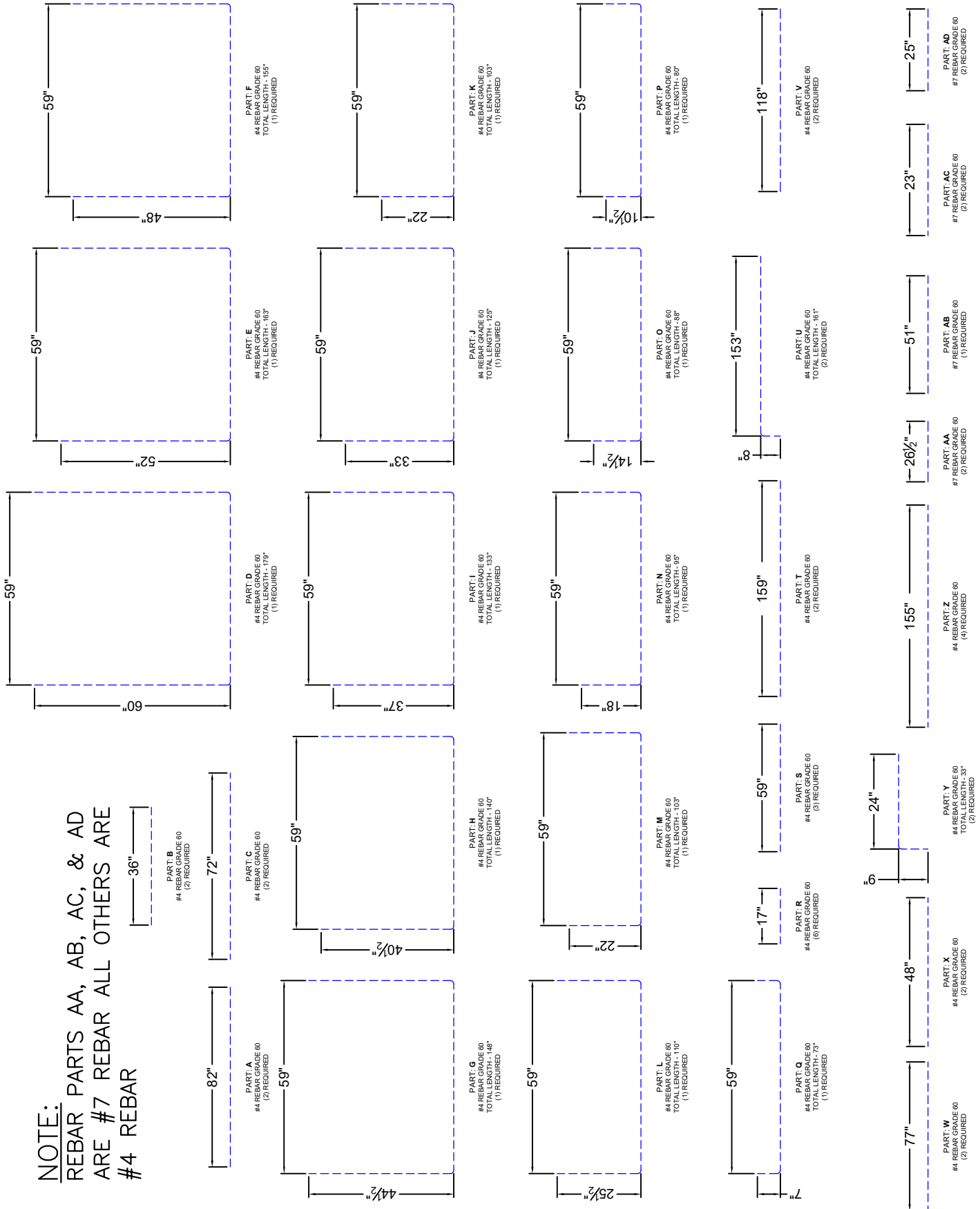


Structure ID: EW-8 447+89.00

P1 HWTDOT3-1TU42

42" - HW TDOT 3:1 Type U Cross Drain Endwall

NOTE:
REBAR PARTS AA, AB, AC, & AD
ARE #7 REBAR ALL OTHERS ARE
#4 REBAR



Job Name: 26-2231 - Pace Vault
Job Location: Louisville, KY
Contractor: Pace Contracting, LLC

Plant: 100

5/20/2026 12:33:26 PM

Tech: Jared - F

PC: J. Jarvis



Structure ID: QL1

P3 BX048072-06WLD08-SP

CB FLAT TOP 6"W w/30"x30" HATCH F/F

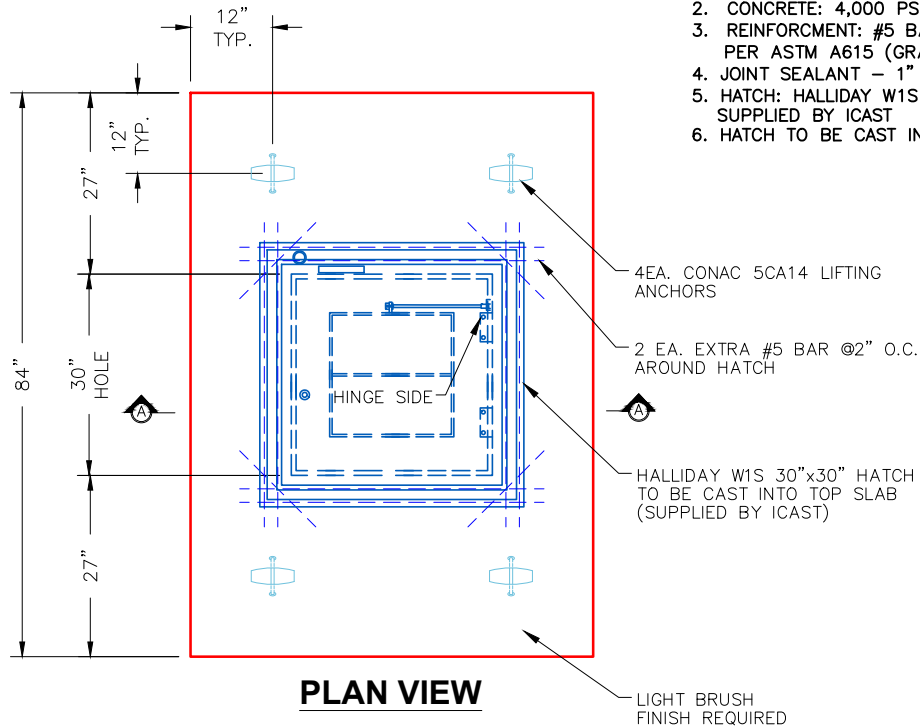
- P4) 30" x 30" - HATCH (CAST FLUSH) - 3"
P3) 48" x 72" - CB FLAT TOP 6"W w/30"x30" HATCH F/F - 8"
P2) 48" x 72" - BOX RISER 6inW F/F - 48"
P1) 48" x 72" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"
1) HATCH (Alum.) - HALLIDAY W1S 30"x30"
2) 48" x 72" - Conseal CS-102 1.00" (Double)
1) 30" x 30" - Conseal CS-102 1.00" (Double)
1) Hole - 0

Structure Total:

100 lb
2779 lb
6380 lb
0 lb
62 lb
0 lb
0 lb
0 lb
0 lb
9321 lb

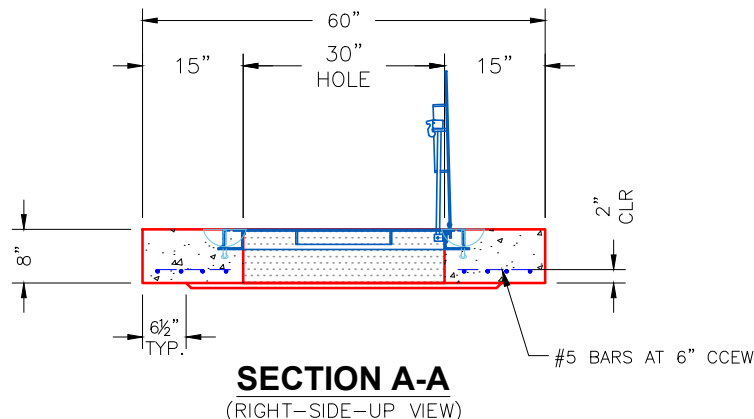
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. HATCH SUPPLIED BY ICAST (HALLIDAY W1S 30"x30") - TO BE CAST INTO TOP SLAB.
5. 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.



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCEMENT: #5 BAR @ 6" C.C.E.W. PER ASTM A615 (GRADE 60).
4. JOINT SEALANT - 1" CS-102- DOUBLE
5. HATCH: HALLIDAY W1S 30" X 30" HATCH SUPPLIED BY ICAST
6. HATCH TO BE CAST INTO TOP OF SLAB.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2779 lb
Volume (Net): 0.71cu.yd

Job Name: 25-2471 - Texas Roadhouse
Job Location: Danville, KY
Contractor: McCain Bros Excavating LLC

Plant: 100

6/12/2026 6:39:02 PM

Tech: Jared - F
PC: M. Sullivan



Structure ID: DISTILLERY FIRE VAULT

P1 BX084180-08W08F-VF

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

P3) 36" x 36" - HATCH (CAST FLUSH) - 3"
P2) 84" x 180" - BX FLAT TOP 8"W w/36"x36" HATCH F/F - 8"
P1) 84" x 180" - BOX BASE 8inW, 8inF, Variable Ht F/n - 72"
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
1) 36" x 36" - Conseal CS-102 1.00" (Double)
4) Hole - 10

100 lb
12287 lb
40013 lb
78 lb
0 lb
0 lb
Structure Total: 52479 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS..
3. CASTING SUPPLIED BY ICAST (HALLIDAY W1S 36"x36")
4. LINK-SEAL CONNECTORS TO BE SUPPLIED BY OTHERS.
5. AL LADDER/POST TO BE SUPPLIED BY ICAST.

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .37) #5 BARS AT 8" C.C.E.W..
- FLOOR (As .37) #5 BARS AT 8" C.C.E.W.

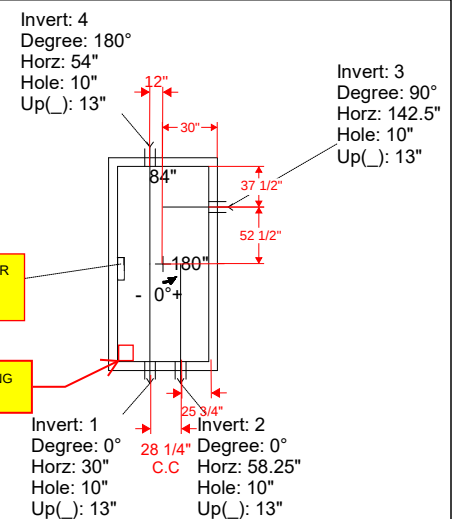
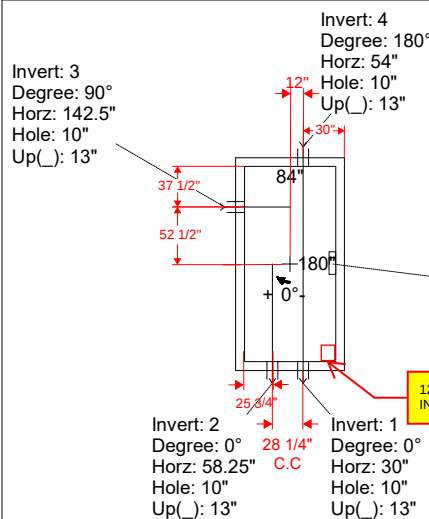
Rim: 6.667' Rim to Invert: 5.417' Slack: 0" Sump: 15" Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1.25'	0°	38"	6" DI	6.875"	Hole 10	10"	10"	13"	-12"
Invert 2	1.25'	0°	66.25"	6" DI	6.875"	Hole 10	10"	10"	13"	16.25"
Invert 3	1.25'	90°	150.5"	6" DI	6.875"	Hole 10	10"	10"	13"	52.5"
Invert 4	1.25'	180°	62"	6" DI	6.875"	Hole 10	10"	10"	13"	12"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

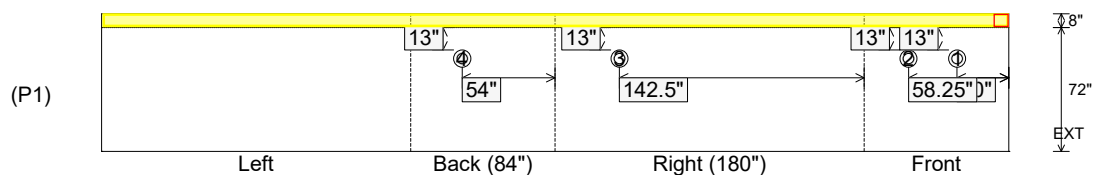
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

1ST POUR (FLOOR) = 13,060 LBS
2ND POUR (WALLS) = 26,953 LBS



INSIDE WALL DIMENSIONS



DRAIN PIPE OPENING TO BE CORED BY OTHERS

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 72"
Height (Ext): 80"

Weight (Net): 40013 lb
Volume (Net): 10.22cu.yd

Job Name: 25-2471 - Texas Roadhouse
Job Location: Danville, KY
Contractor: McCain Bros Excavating LLC

Plant: 100

6/12/2026 6:39:02 PM

Tech: Jared - F
PC: M. Sullivan



Structure ID: DISTILLERY FIRE VAULT

P1 BX084180-08W08F-VF

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

P3) 36" x 36" - HATCH (CAST FLUSH) - 3"
P2) 84" x 180" - BX FLAT TOP 8"W w/36"x36" HATCH F/F - 8"
P1) 84" x 180" - BOX BASE 8inW, 8inF, Variable Ht F/n - 72"
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
1) 36" x 36" - Conseal CS-102 1.00" (Double)
4) Hole - 10

100 lb
12287 lb
40013 lb
78 lb
0 lb
0 lb

Structure Total: 52479 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS..
3. CASTING SUPPLIED BY ICAST (HALLIDAY W1S 36"x36")
4. LINK-SEAL CONNECTORS TO BE SUPPLIED BY OTHERS.
5. AL LADDER/POST TO BE SUPPLIED BY ICAST.

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .37) #5 BARS AT 8" C.C.E.W..
- FLOOR (As .37) #5 BARS AT 8" C.C.E.W.

Rim: 6.667' Rim to Invert: 5.417' Slack: 0" Sump: 15" Step Position: 270°

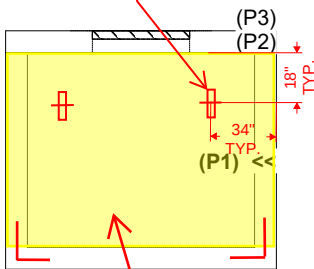
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1.25'	0°	38"	6" DI	6.875"	Hole 10	10"	10"	13"	-12"
Invert 2	1.25'	0°	66.25"	6" DI	6.875"	Hole 10	10"	10"	13"	16.25"
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Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

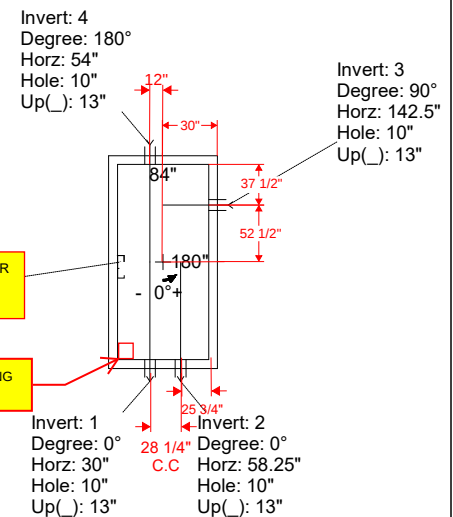
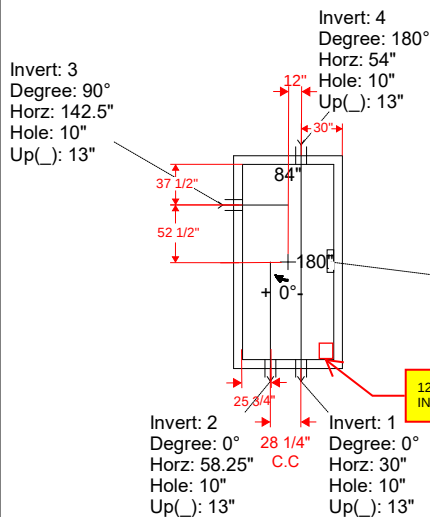
UPSIDE-DOWN VIEW (int. dimensions)

1ST POUR (FLOOR) = 13,060 LBS
2ND POUR (WALLS) = 26,953 LBS

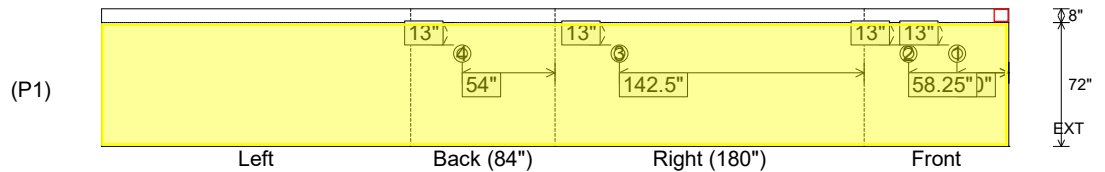
4 EA. - CONAC 8CA18
A-ANCHORS AS SHOWN FOR
PLANT AND FIELD HANDLING



2ND POUR (WALLS)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

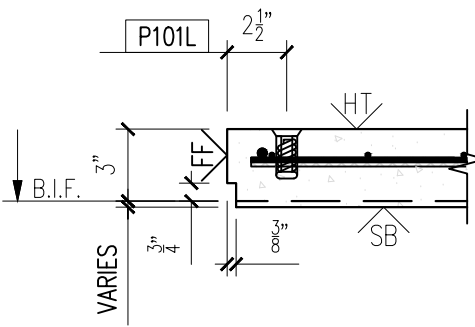
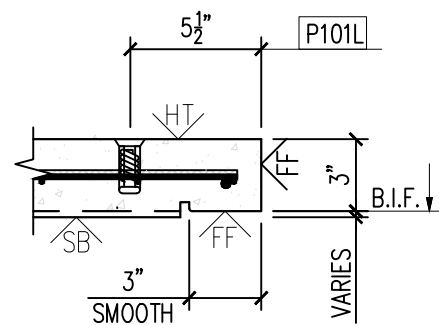
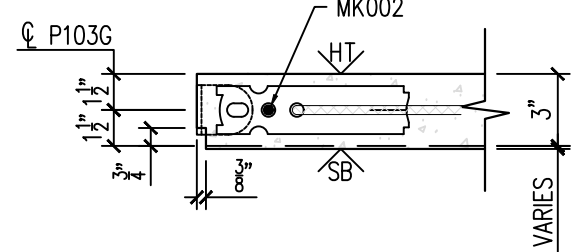
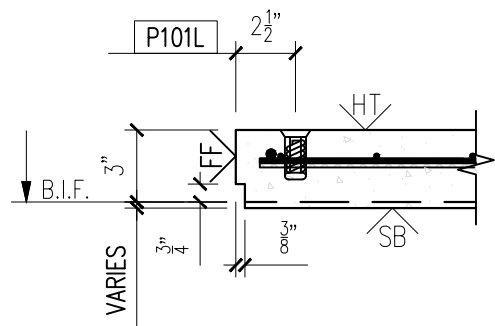
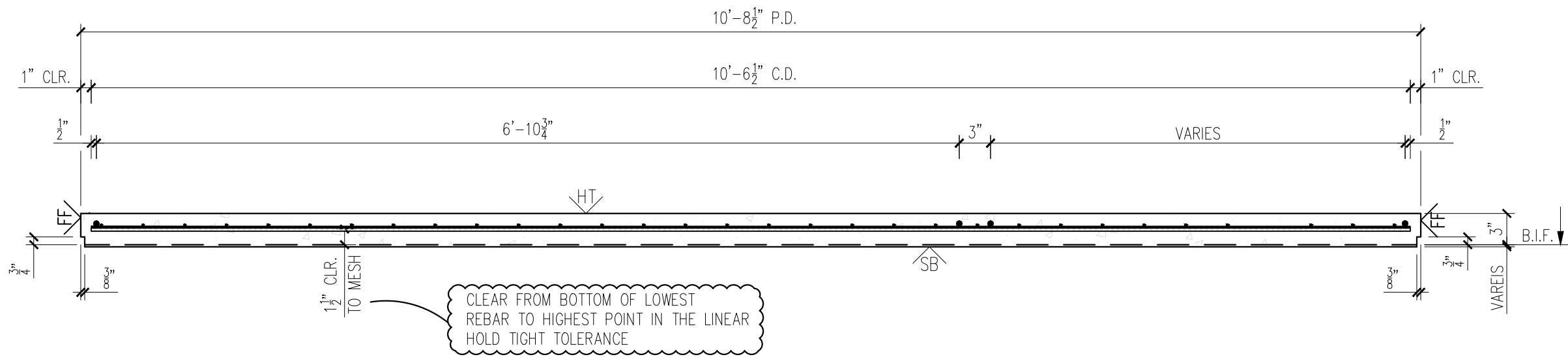
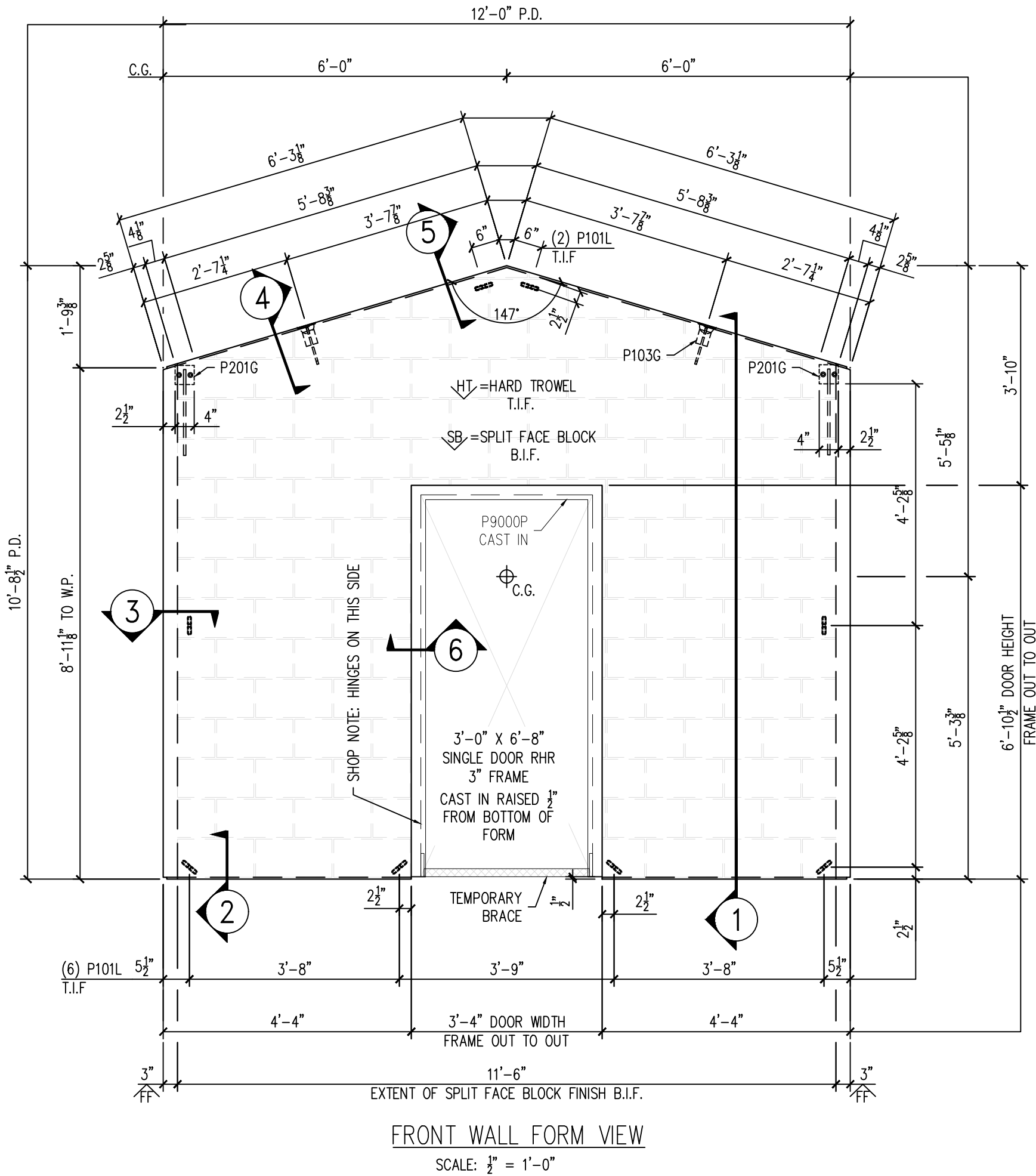
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 72"
Height (Ext): 80"

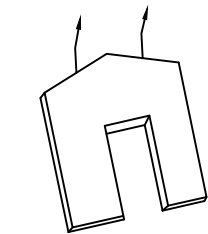
Weight (Net): 40013 lb
Volume (Net): 10.22cu.yd

25-4604 - Nashville Road Sewer Interceptor
Precast Building
Product ID - CVW
FRONT WALL - BFRG-12
Weight - 3,855 LBS Each
1 Required

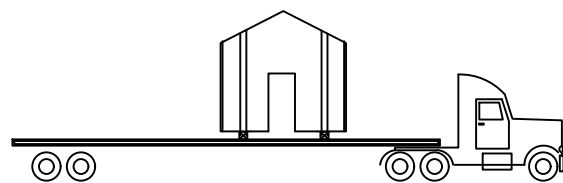


BILL OF MATERIALS		
MARK #	DESCRIPTION	QTY.
P101L	1/2" Ø X 12' F-63 FLARED THIN SLAB COIL INSERT (ELECTROPLATED)	8
P103G	2 TON TECH ERECTION ANCHOR (GALV.)	2
P201G	Ø 4"x4"x8'W/(2) 3/8" Ø X 12' H.A.S. W/ 1'-4" BENT REBAR (GALV.)	1
P9000P	3'-0" X 6'-8" SINGLE DOOR	1

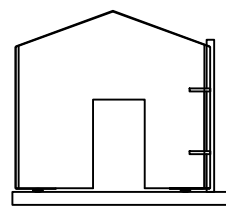
HANDLING INSTRUCTIONS



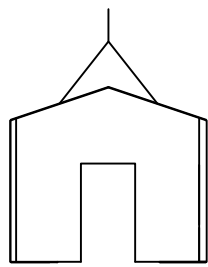
STRIPPING-TILT TABLE



SHIPPING



YARD STORAGE



ERECTION

CONCRETE INSTRUCTIONS

CONCRETE RELEASE @ 2,500 P.S.I.

CONCRETE @ 28 DAYS: 5,000 P.S.I.

CONCRETE MIXES

CONCRETE - GRAY	VOLUME = 0.95 C.Y.
CONCRETE - MIX 1	VOLUME = - C.Y.
CONCRETE - MIX 2	VOLUME = - C.Y.
SOFT SOUND	VOLUME = - C.Y.
TOTALS	VOLUME = 0.95 C.Y.

WEIGHT: 3,855 LBS.

FINISHING INSTRUCTIONS

SB = SPLIT FACE BLOCK FINISH

FF = FORM FINISH

HT = HARD TROWEL FINISH

H = 10'-8 1/2" SQ.FT.(T.I.F.) = 94.87

W = 12'-0" SQ.FT.(T.I.F.) = -

D = 3" SQ.FT.(T.I.F.) = -

CONTROL NUMBERS:

-

-

PRODUCT SALES ORDER NUMBER

BUILDING -

SHEET NUMBER NUMBER REQUIRED

1 OF 2 1

MESSAGE CENTER

1. REFER TO DETAILS AND SECTION FOR REINFORCEMENT PLACEMENT

2. SHOP TICKET SHOWS EXTERIOR FINISH CAST FACE DOWN

CHECKED BY: DATE:

APPROVED BY: DATE:

PROJECT: 12'x12' STANDARD EASI-SET GABLED BUILDING

NASHVILLE ROAD INTERCEPTOR

BOWLING GREEN, KY

CONTRACTOR: INFINITY PIPELINE, LLC/WARREN COUNTY WATER DISTRICT

SCALE
NTS

DRAWN BY
FTL

CHECK BY
WCR

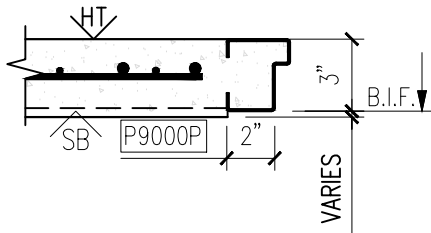
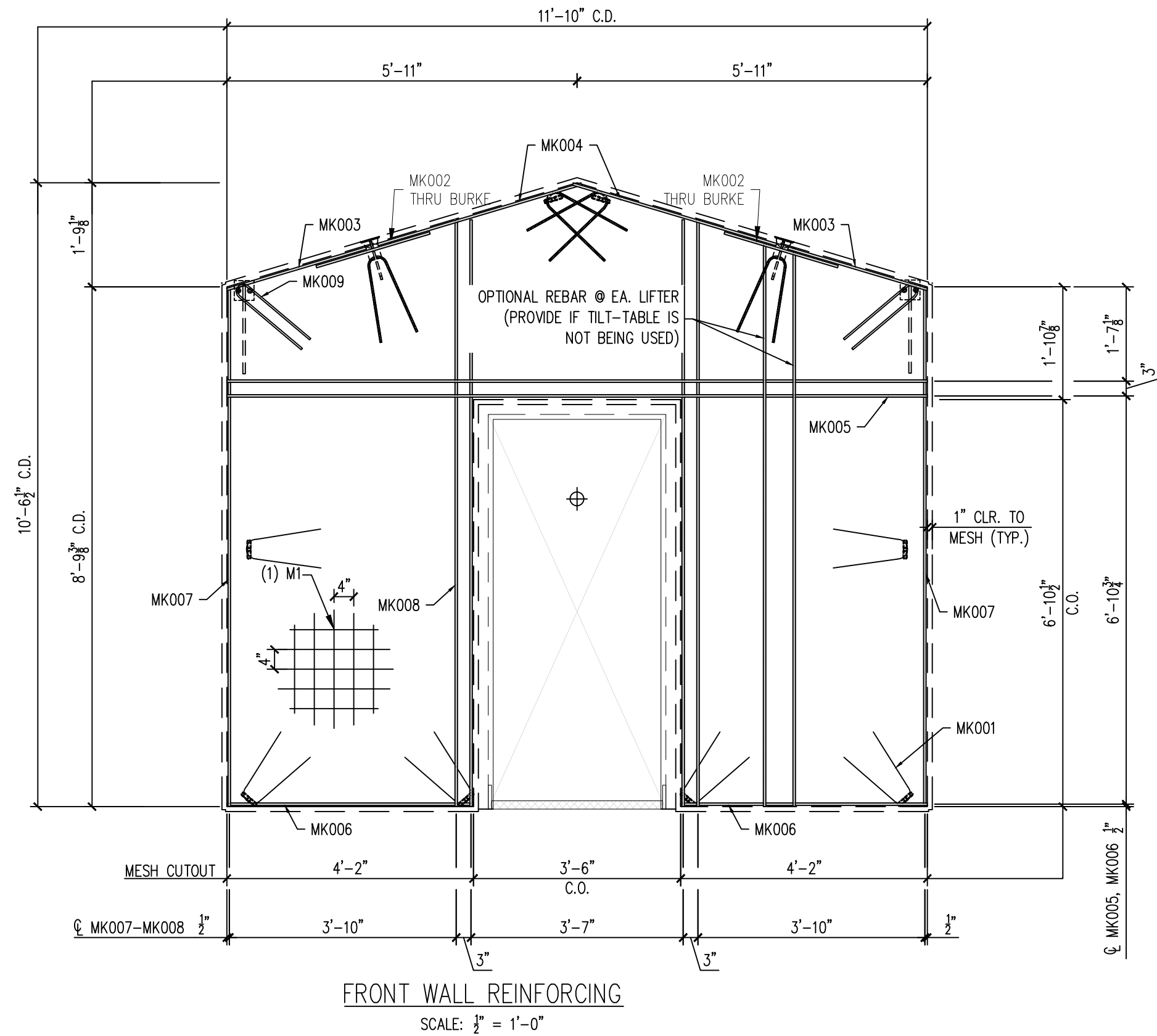
ISSUE DATE
03.30.26

PIECE MARK
BFRG-12

EASI-SET® WORLDWIDE

5119 Catlett Rd. • Midland, VA 22728 • info@EasiSet.com
www.EasiSet.com • 800-547-4045 • Fax 540-439-2541

25-4604 - Nashville Road Sewer Interceptor
Precast Building
Product ID - CVW
FRONT WALL - BFRG-12
Weight - 3,855 LBS Each
1 Required



MESSAGE CENTER

1. REFER TO DETAILS AND SECTION FOR REINFORCEMENT PLACEMENT
2. SUPPLEMENTAL STEEL FOR STRIPPING AND HANDLING MAY BE ADDED AS REQUIRED.

CHECKED BY: DATE:
APPROVED BY: DATE:

NOTE:

1. CONSTRUCT REBAR-MESH CAGE ACCORDING TO THE DRAWINGS. SECURE LIFTING APPARATUS TO FORM AND ADD PROPER REINFORCEMENT. PLACE REBAR-MESH CAGE AND HAIRPINS AT INSERTS WITH PROPER CLEARANCES (PER DRAWINGS).

PRODUCT	SALES ORDER NUMBER
BUILDING	-
SHEET NUMBER	NUMBER REQUIRED
2 OF 2	1

REINFORCING SCHEDULE		
MARK #	DESCRIPTION	QTY.
MK001	#3 X 3'-0"	10
MK002	#3 X 2'-0"	2
MK003	#3 X 2'-5 1/4"	2
MK004	#3 X 3'-7"	2
MK005	#3 X 11'-10"	2
MK006	#3 X 4'-2"	2
MK007	#3 X 8'-9 1/4"	2
MK008	#3 X 9'-11"	4
MK009	#3 X 3'-1"	2

MESH SCHEDULE		
MARK #	DESCRIPTION	QTY.
M1	W4XW4 4"X4" WWF 11'-10" X 10'-6 1/2"	1

PROJECT: 12'x12' STANDARD EASI-SET GABLED BUILDING
NASHVILLE ROAD INTERCEPTOR
BOWLING GREEN, KY
CONTRACTOR: INFINITY PIPELINE, LLC/WARREN COUNTY WATER DISTRICT

SCALE NTS
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 03.30.26
PIECE MARK BFRG-12

EASI-SET® WORLDWIDE
5119 Catlett Rd. • Midland, VA 22728 • info@EasiSet.com
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