



Coating (Int):	Seam Up: Tongue	Wall Thickness: 11"	Height (Int): 86"	Weight (Net): 32669 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 86"	Volume (Net): 8.35cu.yd

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

Plant: Beaver Dam
6/5/2026 8:57:13 AM

Tech: S. Felletter
PC: C. Goff



Structure ID: 10-CS-12

P4 MH144RS42

MH RISER T/G

- P6) 24" - CASTING HEIGHT - 4"
P5) 144" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18"
P4) 144" - MH RISER T/G - 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

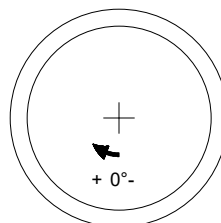
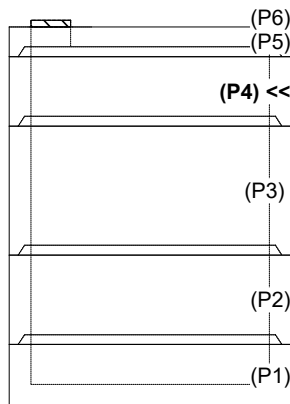
Structure Total: 152807 lb

- 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.

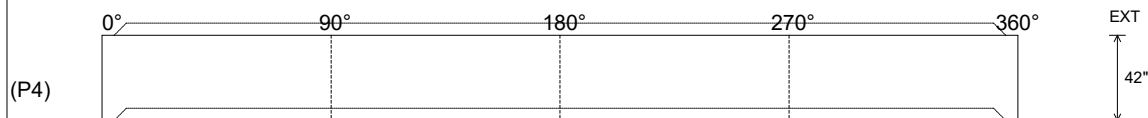
Rim: 1019.03' Rim to Invert: 9.83' Slack: 5.996" Sump: 108.036" Step Position:

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)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

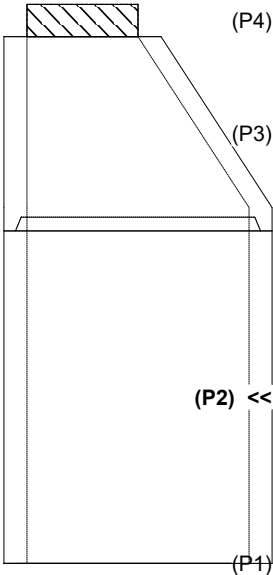
Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 13"
Floor Height: 0"

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

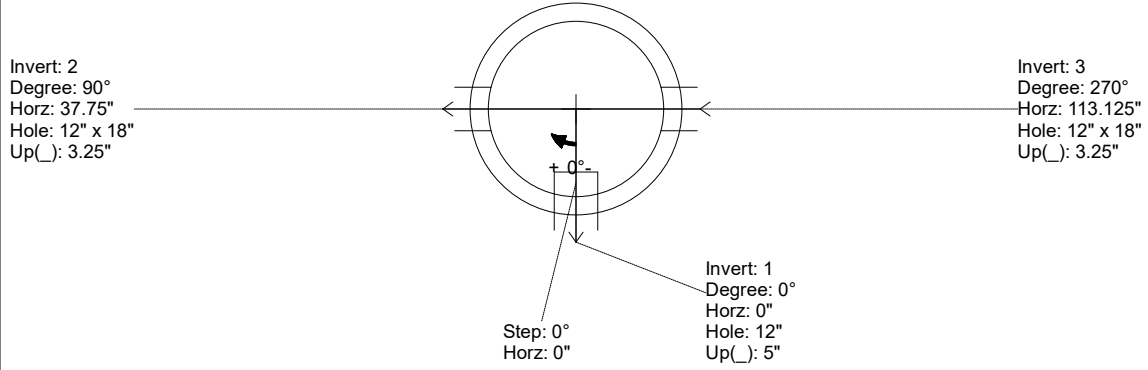
Weight (Net): 22598 lb
Volume (Net): 5.77cu.yd

Job Name: 26-2171 - Lake Malone Campground Multi Park West Job Location: Lewisburg, KY Contractor: Sensabaugh Design & Construction, LLC					Plant: 100 6/11/2026 3:15:52 PM		Tech: Jared - F PC: M. Sullivan						
Structure ID: SSMH-E3													
P2		MH048RS72		MH RISER T/F									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 42" P2) 48" - MH RISER T/F - 72" P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0" 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-315 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-06 NYLO 2) DOGHOUSE - 12"x18" 10) MH Step ML-10-TDS-NCR - 10"						0 lb 3200 lb 4786 lb 0 lb 0 lb 0 lb 1440 lb 258 lb 0 lb 0 lb 8 lb 0 lb 0 lb ----- 9692 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY ICAST (HOE MC-315 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12)					
Rim: 570.36' Rim to Invert: 9.59' Slack: 2.08" Sump: 8" Step Position: 0°													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset			
Invert 1	560.77'	0°	0"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	5"	0"			
Invert 2	560.87'	90°	45.5"	6" PVC SDR35	6.25"	DOGHOUSE 12"x18"	12" x 18"	12.129"	3.25"	0"			
Invert 3	560.87'	270°	136.625"	6" PVC SDR35	6.25"	DOGHOUSE 12"x18"	12" x 18"	12.129"	3.25"	0"			
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													



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

RIGHT-SIDE UP VIEW (int. dimensions)



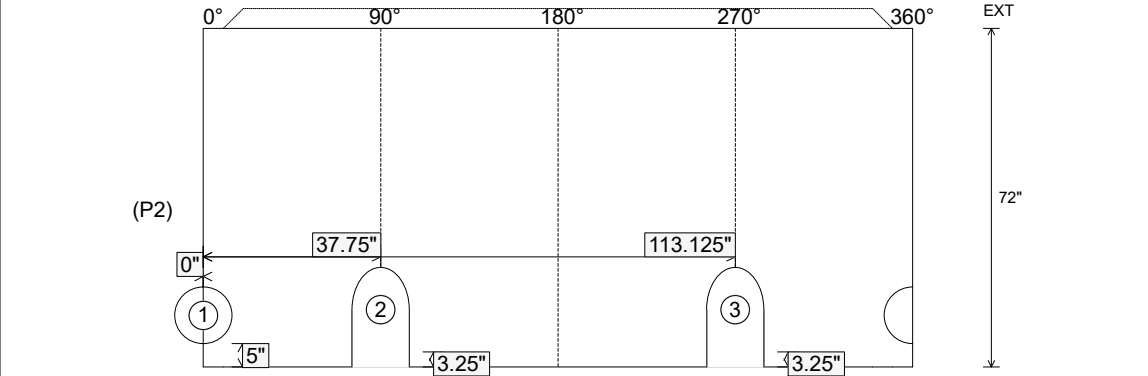
Invert: 2
Degree: 90°
Horz: 37.75"
Hole: 12" x 18"
Up(_): 3.25"

Invert: 3
Degree: 270°
Horz: 113.125"
Hole: 12" x 18"
Up(_): 3.25"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(_): 5"

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



0° 90° 180° 270° 360°

EXT 72"

(P2)

37.75" 113.125"

0" 5" 3.25" 3.25"

① ② ③

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 5" Floor Height: 0"	Height (Int): 72" Height (Ext): 72"	Weight (Net): 4786 lb Volume (Net): 1.22cu.yd
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Job Name: 26-2171 - Lake Malone Campground Multi Park West

Job Location: Lewisburg, KY

Contractor: Sensabaugh Design & Construction, LLC

Plant: 100

6/11/2026 3:15:24 PM

Tech: Jared - F

PC: M. Sullivan



Structure ID: SSMH-E2

P1 MH048BA24

MH BASE T/n

P4) 24" - CASTING HEIGHT - 7"

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

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

P1) 48" - MH BASE T/n - 24"

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

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

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) CASTING - HOE MC-315 F/C Sanitary

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

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

2) PSX - 12-06 NYLO

1) PSX - 8QRS-S NYLO

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

0 lb

3000 lb

2515 lb

2890 lb

0 lb

0 lb

1440 lb

258 lb

0 lb

0 lb

16 lb

6 lb

0 lb

Structure Total: 10125 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING SUPPLIED BY ICAST (HOE MC-315 F/C "SANITARY").

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 568.38'

Rim to Invert: 8.38'

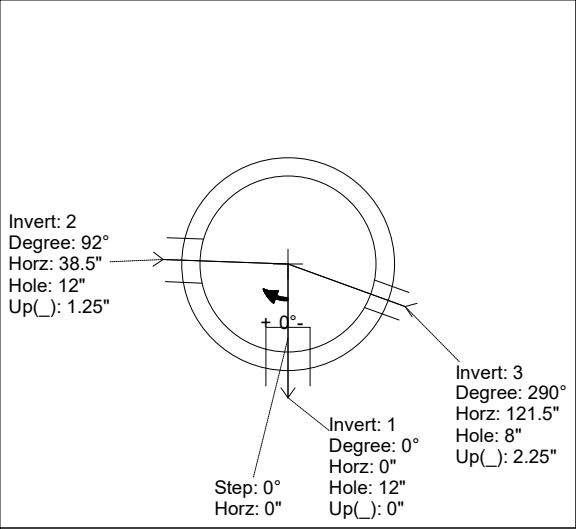
Slack: 0.56"

Sump: 3"

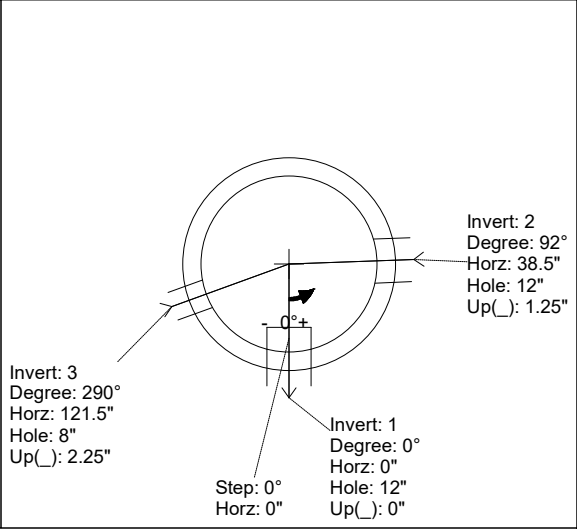
Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	560'	0°	0"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0"	0"
Invert 2	560.1'	92°	46.625"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.25"	0"
Invert 3	560.1'	290°	146.75"	4" PVC SCH40	4.5"	PSX 8QRS-S NYLO	8"	8.038"	2.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

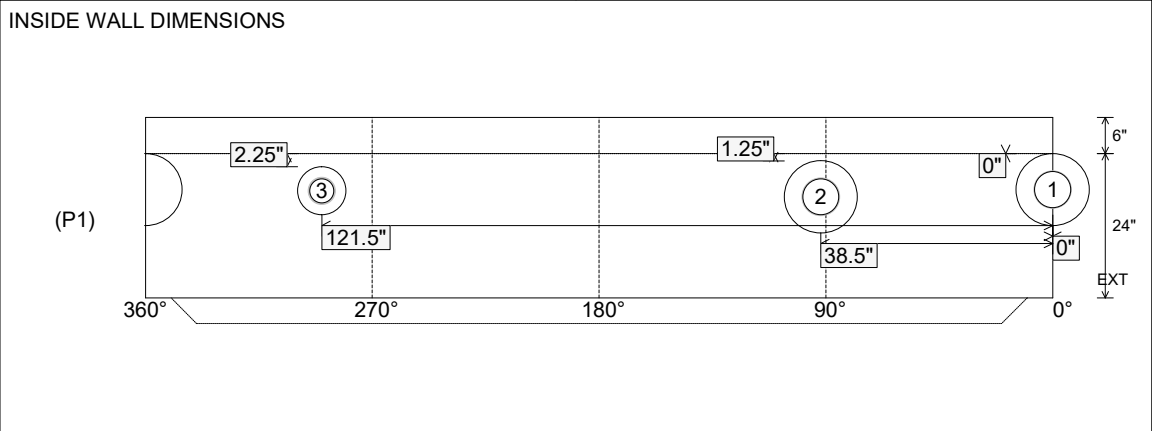
RIGHT-SIDE UP VIEW (int. dimensions)



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): 24"

Height (Ext): 30"

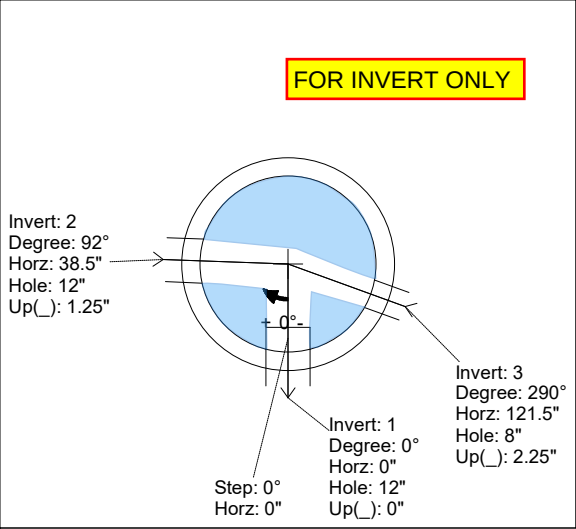
Weight (Net): 2890 lb

Volume (Net): 0.74cu.yd

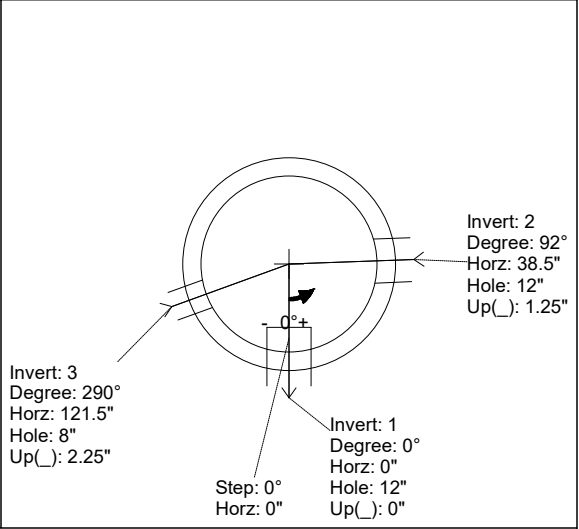
Job Name: 26-2171 - Lake Malone Campground Multi Park West Job Location: Lewisburg, KY Contractor: Sensabaugh Design & Construction, LLC				Plant: 100 6/11/2026 3:15:24 PM		Tech: Jared - F PC: M. Sullivan				
Structure ID: SSMH-E2										
P1 MH048BA24		MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-315 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-06 NYLO 1) PSX - 8QRS-S NYLO 7) MH Step ML-10-TDS-NCR - 10"						0 lb 3000 lb 2515 lb 2890 lb 0 lb 0 lb 1440 lb 258 lb 0 lb 0 lb 16 lb 6 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY ICAST (HOE MC-315 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Structure Total: 10125 lb										
Rim: 568.38'		Rim to Invert: 8.38'		Slack: 0.56"		Sump: 3"		Step Position: 0°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	560'	0°	0"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0"	0"
Invert 2	560.1'	92°	46.625"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.25"	0"
Invert 3	560.1'	290°	146.75"	4" PVC SCH40	4.5"	PSX 8QRS-S NYLO	8"	8.038"	2.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

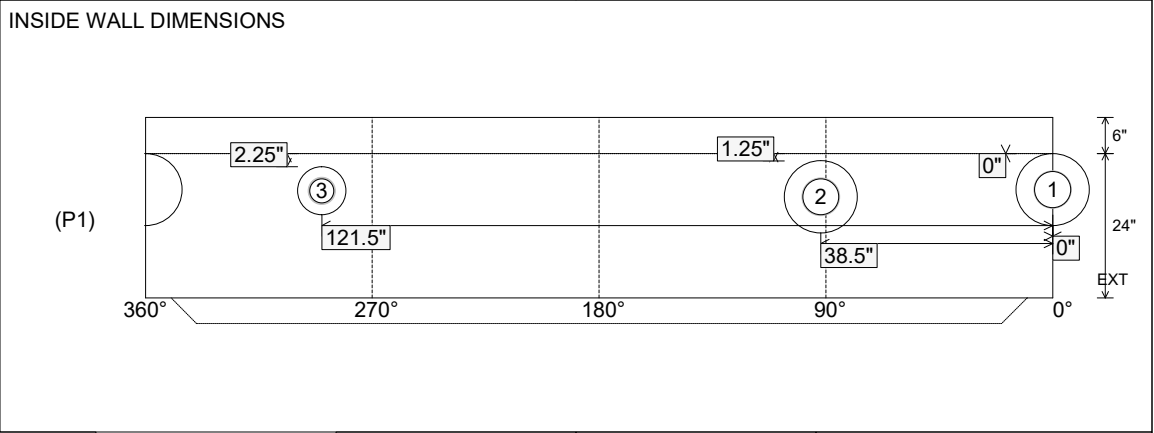
FOR INVERT ONLY



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2890 lb Volume (Net): 0.74cu.yd
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Job Name: 26-2582 - 739729 Teal Drive
Job Location: Nashville, TN
Contractor: Contech Engineering Solutions

Plant: Beaver Dam
6/16/2026 1:01:57 PM

Tech: J. Coppage
PC: T. Sekula



Structure ID: 20-CS-4

P2 MH048RS48S

MH RISER SPECIAL T/G

P4) 30" - CASTING HEIGHT - 4"
P3) 48" - MH FLAT LID w/30in ECC Hole F/G - 12"
P2) 48" - MH RISER SPECIAL T/G - 48"
P1) 48" - MH BASE T/n - 36"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
2) 48" - Conseal CS-102 1.00"
2) Hole - 24

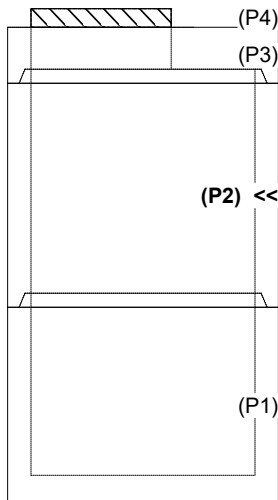
0 lb
1413 lb
2959 lb
3845 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 8217 lb

Structure Notes:
SITE DESIGNATION: STM A2
(4" TALL CASTING PROVIDED BY OTHERS)
ICAST TO INSTALL THE INTERNALS
BASE TO BE MECHANICALLY ATTACHED TO THE BOTTOM OF THE CONTROL RISER
CONTECH'S LOGO AS WELL AS THE INLET AND THE OUTLET MUST BE STENBCILED ONTO THE STRUCTURE

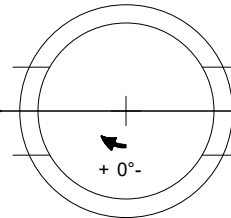
Rim: 472.1' Rim to Invert: 4.74' Slack: 4.88" Sump: 48" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	467.36'	270°	136.659"	15" RCP B WALL	19.5"	Hole 24	24"	25.133"	3.25"	0"
Invert 2	467.36'	90°	45.553"	15" RCP B WALL	19.5"	Hole 24	24"	25.133"	3.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

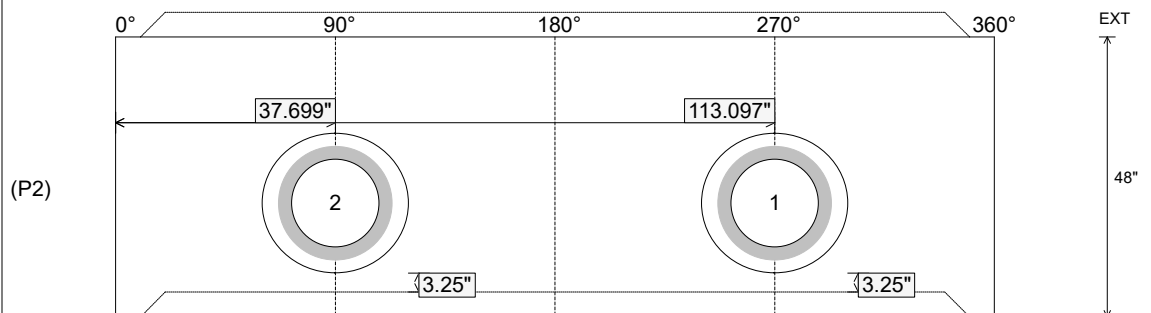


Invert: 2
Degree: 90°
Horz: 37.699"
Hole: 24"
Up(): 3.25"



Invert: 1
Degree: 270°
Horz: 113.097"
Hole: 24"
Up(): 3.25"

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

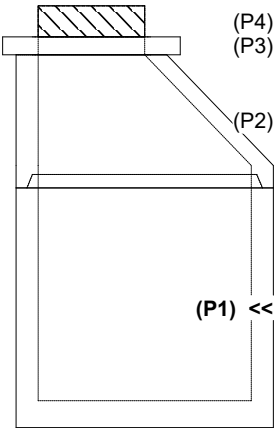
Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 5"
Floor Height: 0"

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

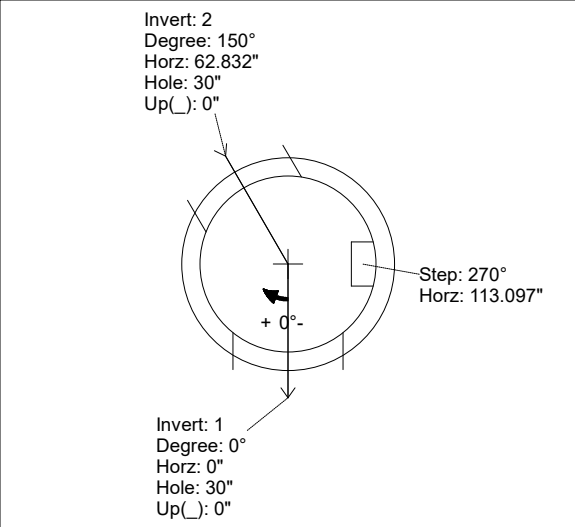
Weight (Net): 2959 lb
Volume (Net): 0.76cu.yd

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 8:02:35 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: Y4 ST-MH											
P1 MH048BA48		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 - 30" P1) 48" - MH BASE T/n - 48" 1) CASTING - HOE MC-375 F/C Storm 1) 48" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 2) Hole - 30 7) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 2050 lb 4051 lb 271 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 6642 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: 369.96'		Rim to Invert: 7.4'		Slack: 1.7"		Sump: 1.9"		Step Position: 270			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	362.56'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"	
Invert 2	362.56'	150°	75.922"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)

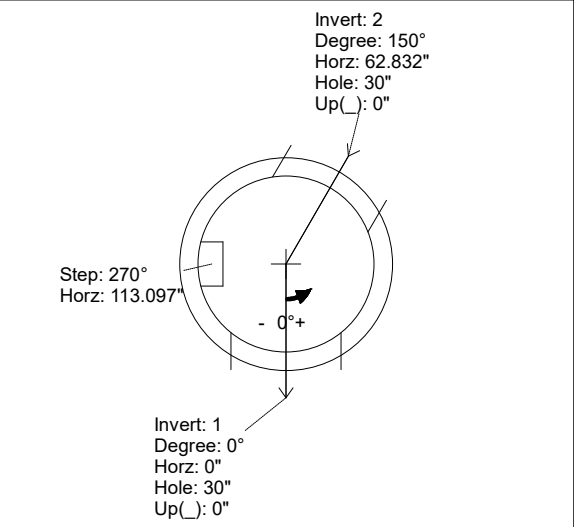


Invert: 2
Degree: 150°
Horz: 62.832"
Hole: 30"
Up(): 0"

Step: 270°
Horz: 113.097"

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

UPSIDE-DOWN VIEW (int. dimensions)

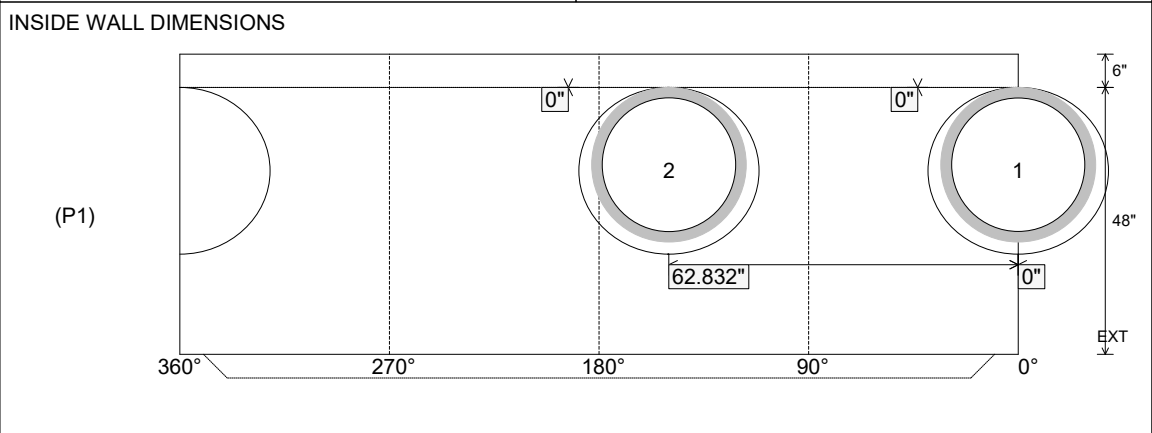


Invert: 2
Degree: 150°
Horz: 62.832"
Hole: 30"
Up(): 0"

Step: 270°
Horz: 113.097"

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

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

62.832"

48"

6"

EXT

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): 4051 lb Volume (Net): 1.03cu.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 8:02:35 AM

Tech: S. Felletter
 PC: A. Chambers



Structure ID: Y3 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 - 65"
 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
 1500 lb
 5239 lb
 465 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 7204 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).

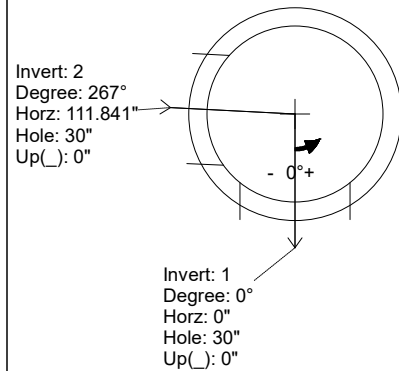
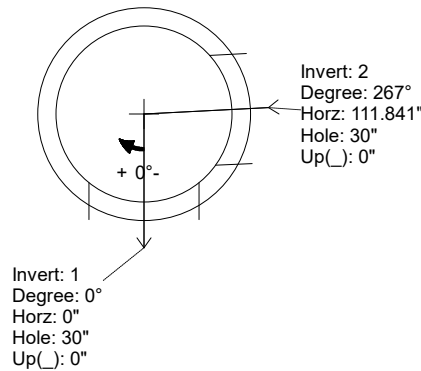
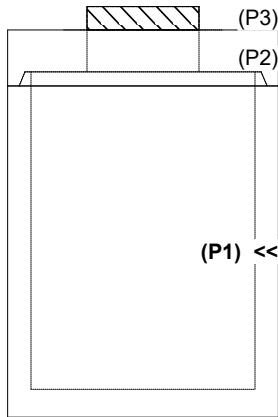
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 368.8' Rim to Invert: 6.72' Slack: 0.54" Sump: 1.9" Step Position: 340°

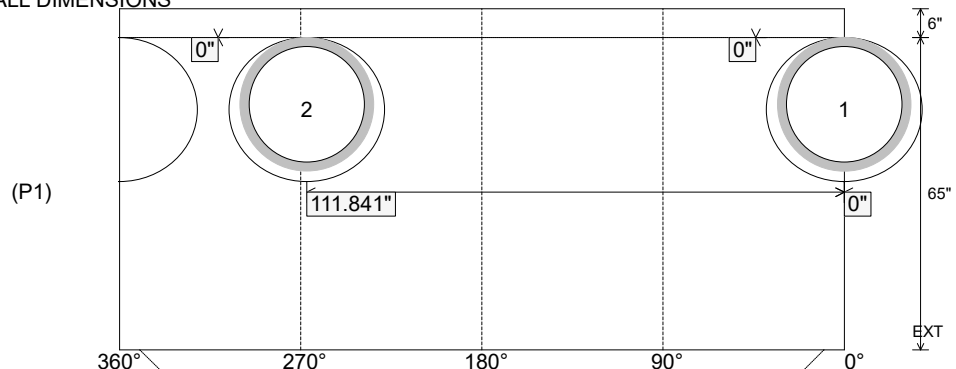
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	362.08'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"
Invert 2	362.08'	267°	135.141"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



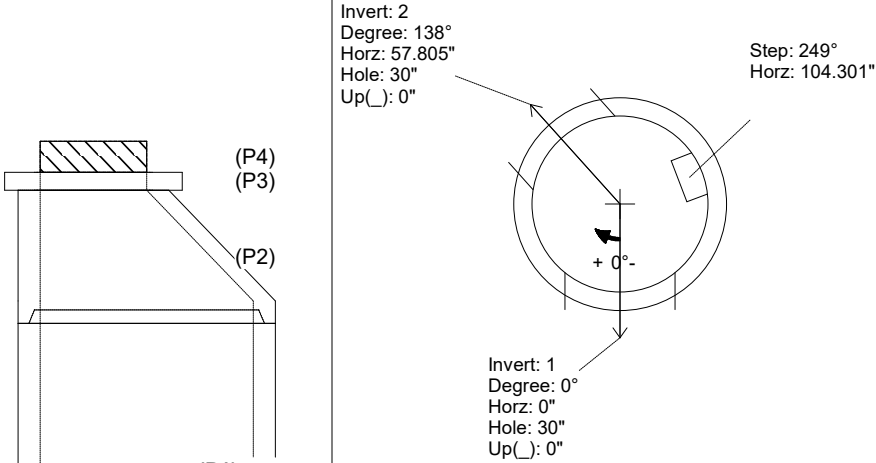
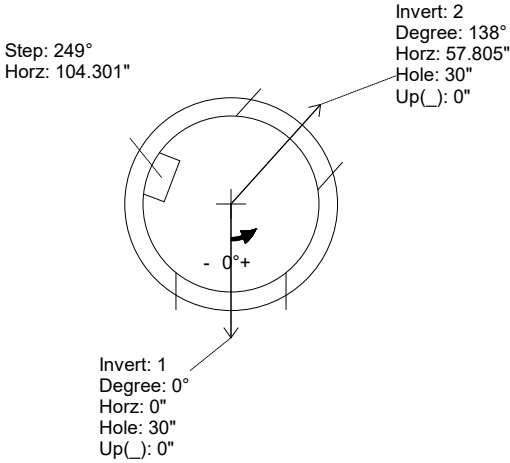
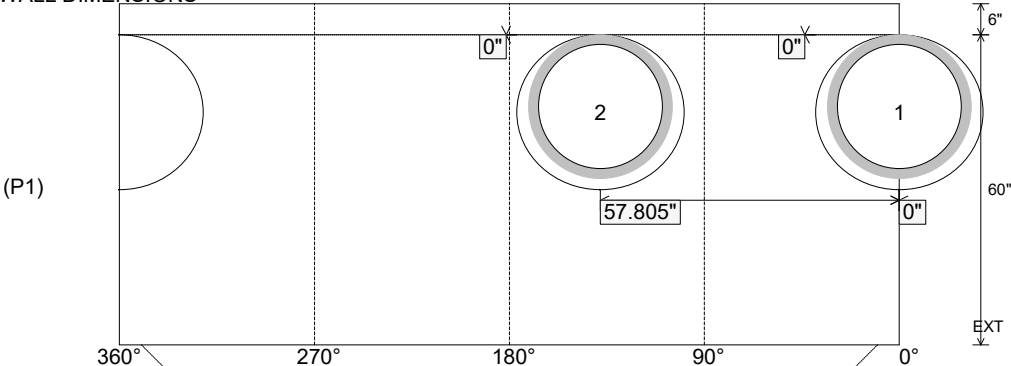
Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 65"
 Height (Ext): 71"

Weight (Net): 5239 lb
 Volume (Net): 1.34cu.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 8:02:34 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: Y2 ST-JB											
P1 MH048BA60		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 - 30" P1) 48" - MH BASE T/n - 60" 1) CASTING - HOE MC-375 F/C Storm 1) 48" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 2) Hole - 30 8) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 2050 lb 4890 lb 271 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 7481 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: 370.03' Rim to Invert: 8.36' Slack: 1.22" Sump: 1.9" Step Position: 249°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	361.67'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"	
Invert 2	361.67'	138°	69.848"	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. dimensions)   INSIDE WALL DIMENSIONS  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): 4890 lb Volume (Net): 1.25cu.yd											

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2					Plant: Beaver Dam		Tech: S. Felletter			
Job Location: London, KY					6/2/2026 2:57:48 PM		PC: E. Bradley			
Contractor: Endesol, Inc.										
Structure ID: B-5-6 SS-MH										
P1 MH048BA30CDARED					MH BASE w/ConBlock-CDA Red T/n					
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 36" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 2251 lb 2515 lb 3330 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 9857 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 1237' Rim to Invert: 9.1' Slack: 2.2' Sump: 2' Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1227.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1228'	220°	111.352"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

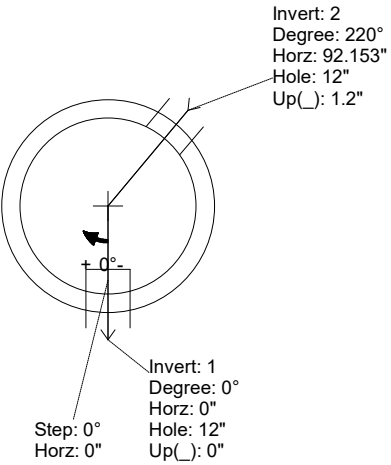
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

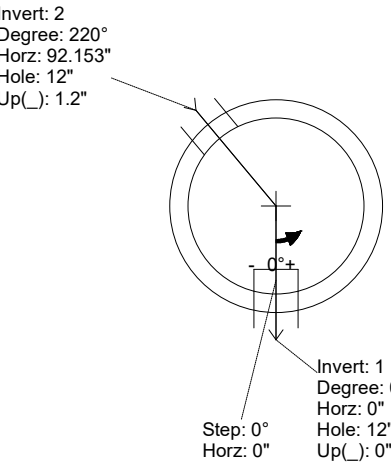
Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3330 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.85cu.yd

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2 Job Location: London, KY Contractor: Endesol, Inc.					Plant: Beaver Dam 6/2/2026 2:57:48 PM		Tech: S. Felletter PC: E. Bradley						
Structure ID: B-5-6 SS-MH													
P1 MH048BA30CDARED			MH BASE w/ConBlock-CDA Red T/n										
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 36" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"						0 lb 2251 lb 2515 lb 3330 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Structure Total: 9857 lb						Invert channel drawing Full height invert							
Rim: 1237' Rim to Invert: 9.1' Slack: 2.2" Sump: 2" Step Position: 0°													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1	1227.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"			
Invert 2	1228'	220°	111.352"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"			
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													

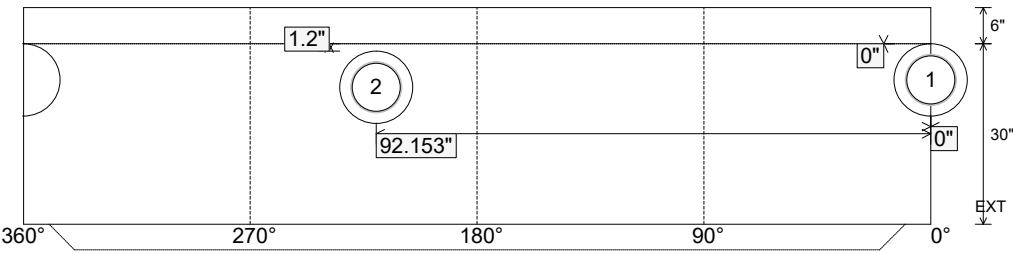
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

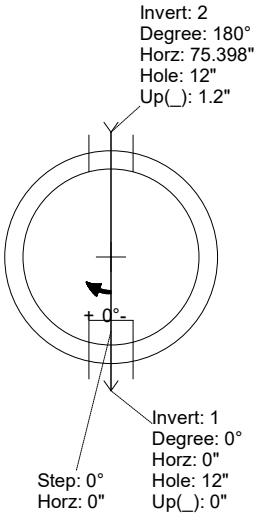


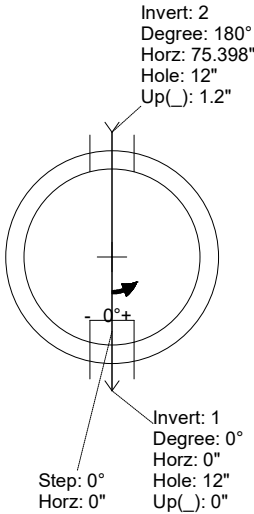
INSIDE WALL DIMENSIONS

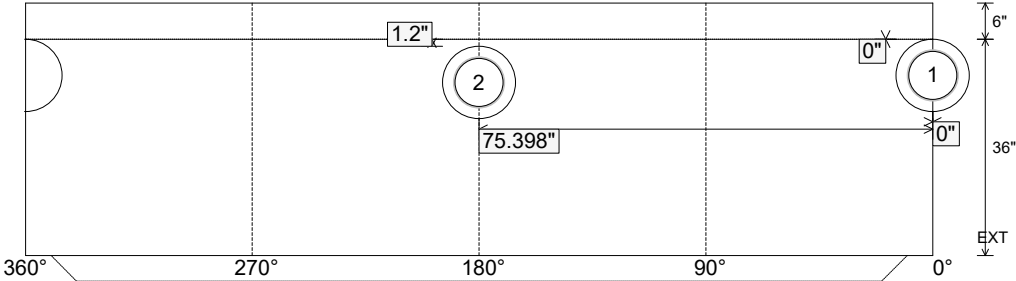


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
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Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2 Job Location: London, KY Contractor: Endesol, Inc.					Plant: Beaver Dam 6/2/2026 2:57:48 PM		Tech: S. Felletter PC: E. Bradley				
Structure ID: B-6-5 SS-MH											
P1 MH048BA36CDARED					MH BASE w/ConBlock-CDA Red T/n						
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 12) MH Step ML-10-TDS-NCR - 10"					0 lb 3116 lb 4192 lb 3749 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 1241' Rim to Invert: 12.1' Slack: 2.2' Sump: 2' Step Position: 0°					Structure Total: 12818 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1228.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	1229'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



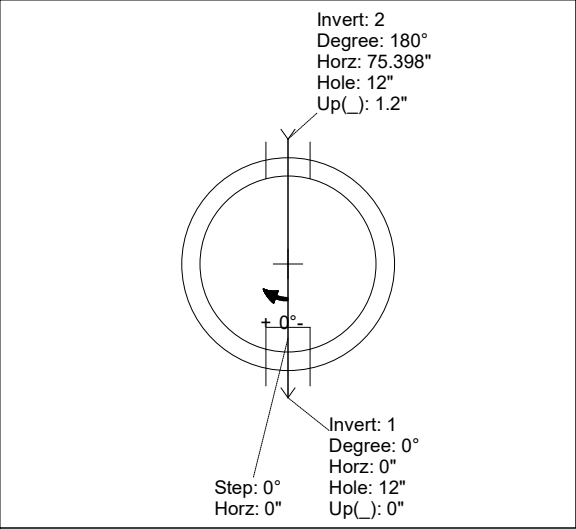




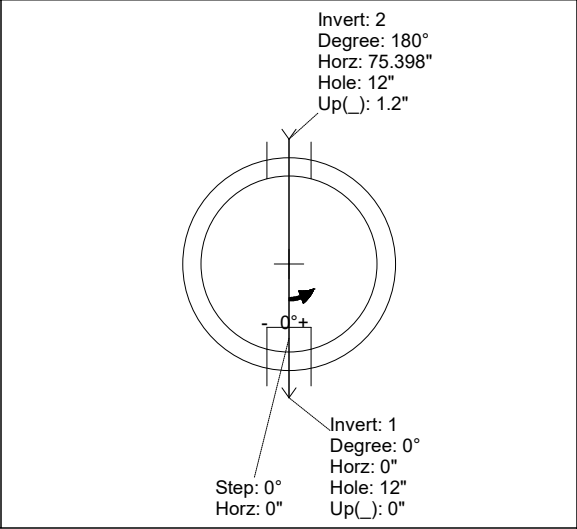
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2 Job Location: London, KY Contractor: Endesol, Inc.					Plant: Beaver Dam 6/2/2026 2:57:48 PM		Tech: S. Felletter PC: E. Bradley				
Structure ID: B-6-5 SS-MH											
P1 MH048BA36CDARED			MH BASE w/ConBlock-CDA Red T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 12) MH Step ML-10-TDS-NCR - 10"					0 lb 3116 lb 4192 lb 3749 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Structure Total: 12818 lb					Invert channel drawing Full height invert						
Rim: 1241' Rim to Invert: 12.1' Slack: 2.2' Sump: 2' Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1228.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	1229'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

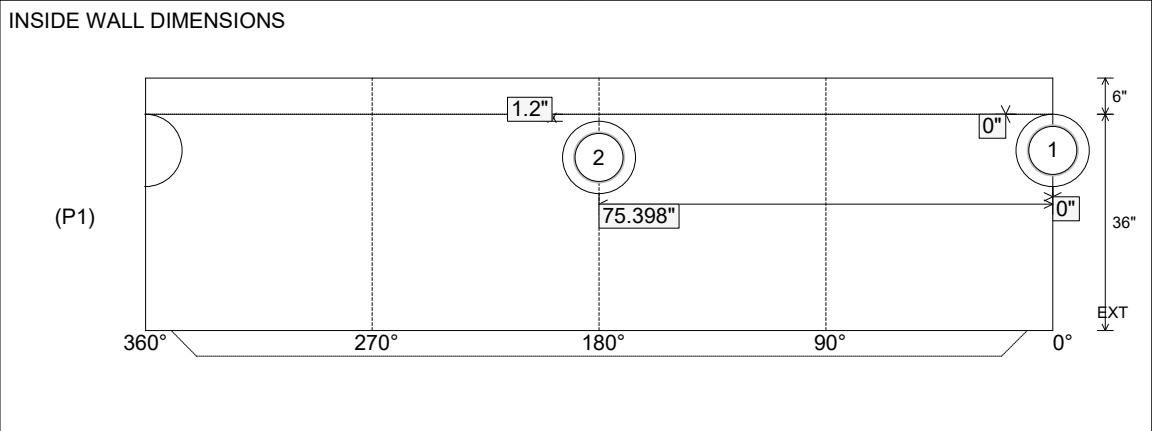
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

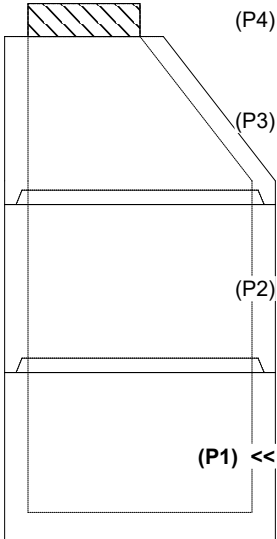


INSIDE WALL DIMENSIONS



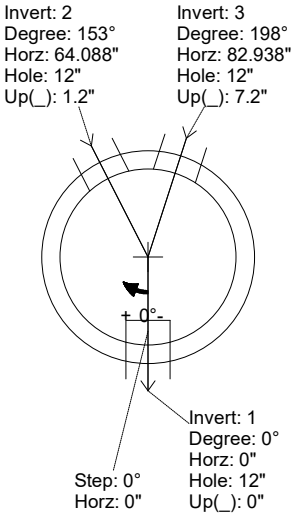
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2 Job Location: London, KY Contractor: Endesol, Inc.					Plant: Beaver Dam 6/2/2026 2:57:47 PM		Tech: S. Felletter PC: E. Bradley				
Structure ID: B-7-4 SS-MH											
P1 MH048BA30CDARED			MH BASE w/ConBlock-CDA Red T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 36" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 2251 lb 2515 lb 3282 lb 0 lb 0 lb 1440 lb 1440 lb 305 lb 0 lb 0 lb 24 lb 0 lb ----- 11257 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 1241' Rim to Invert: 9' Slack: 1" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1232'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	1232.1'	153°	77.44"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3	1232.6'	198°	100.217"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	7.2"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)



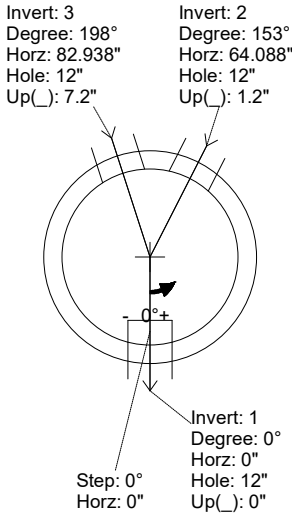
Invert: 2
Degree: 153°
Horz: 64.088"
Hole: 12"
Up(): 1.2"

Invert: 3
Degree: 198°
Horz: 82.938"
Hole: 12"
Up(): 7.2"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)



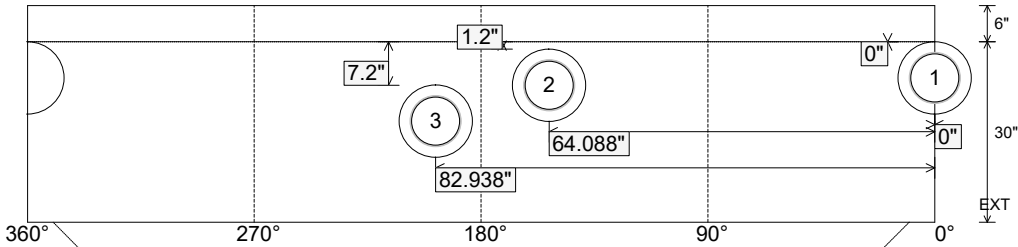
Invert: 3
Degree: 198°
Horz: 82.938"
Hole: 12"
Up(): 7.2"

Invert: 2
Degree: 153°
Horz: 64.088"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

64.088"
82.938"

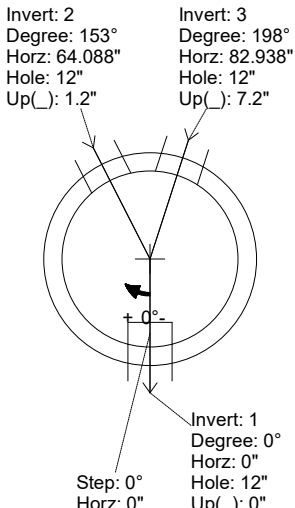
360° 270° 180° 90° 0°

6"
30"
EXT

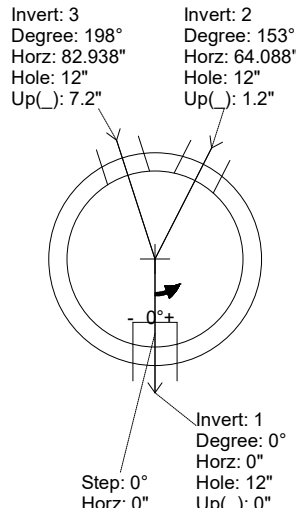
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3282 lb Volume (Net): 0.84cu.yd
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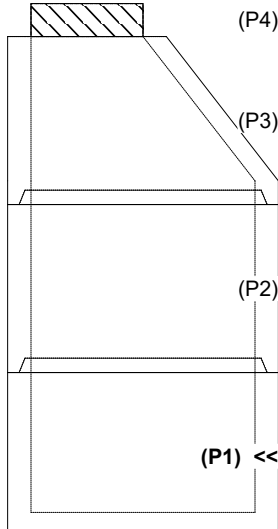
Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2					Plant: Beaver Dam		Tech: S. Felletter					
Job Location: London, KY					6/2/2026 2:57:47 PM		PC: E. Bradley					
Contractor: Endesol, Inc.												
Structure ID: B-7-4 SS-MH												
P1 MH048BA30CDARED					MH BASE w/ConBlock-CDA Red T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 36" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conesal CS-102 1.00" (Double) 1) 24" - Conesal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"					0 lb 2251 lb 2515 lb 3282 lb 0 lb 0 lb 1440 lb 1440 lb 305 lb 0 lb 0 lb 24 lb 0 lb ----- 11257 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 1241'					Rim to Invert: 9'		Slack: 1"		Sump: 2"		Step Position: 0"	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	1232'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"		
Invert 2	1232.1'	153°	77.44"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"		
Invert 3	1232.6'	198°	100.217"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	7.2"	0"		
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)

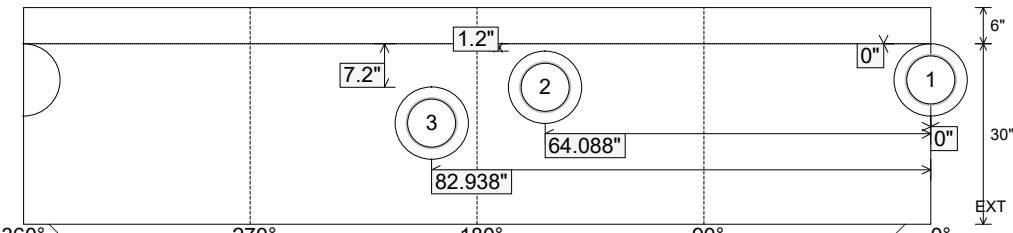


UPSIDE-DOWN VIEW (int. dimensions)



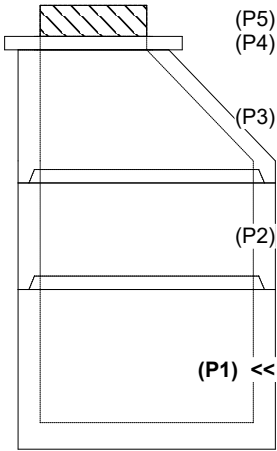


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3282 lb Volume (Net): 0.84cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2					Plant: Beaver Dam		Tech: S. Felletter				
Job Location: London, KY					6/2/2026 2:57:46 PM		PC: E. Bradley				
Contractor: Endesol, Inc.											
Structure ID: B-8-3 SS-MH											
P1 MH048BA30CDARED MH BASE w/ConBlock-CDA Red T/n											
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 24" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) SPECIAL EXTERNAL COATING - GRADE RING 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 1961 lb 1677 lb 3330 lb 0 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 8932 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). 5. EXTERNAL BITUMINOUS COATING REQUIRED FOR GRADE RING. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 1241' Rim to Invert: 7.8' Slack: 1.6" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1233.2'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	1233.3'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P5)

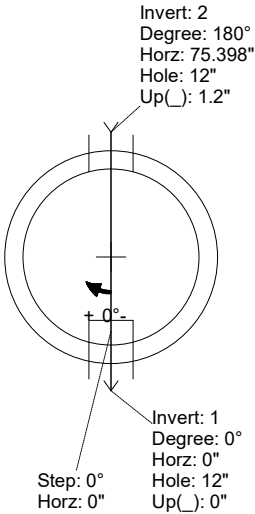
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

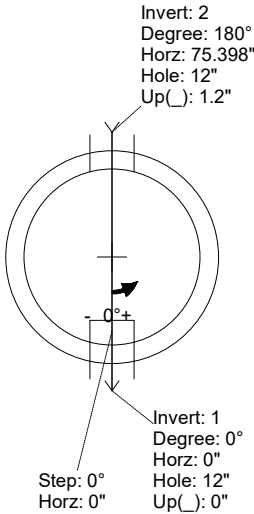


Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

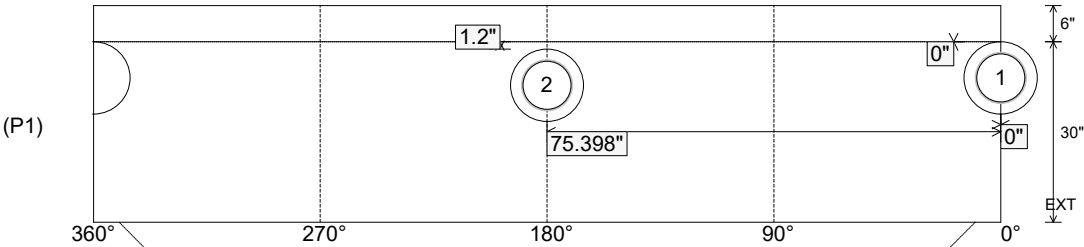


Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

1.2"

75.398"

0"

0"

6"

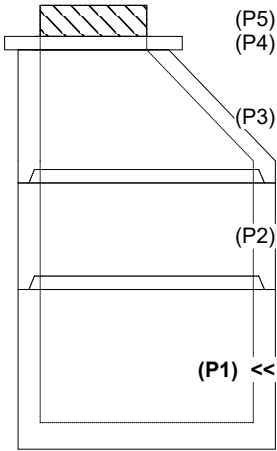
30"

EXT

360° 270° 180° 90° 0°

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

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2					Plant: Beaver Dam		Tech: S. Felletter			
Job Location: London, KY					6/2/2026 2:57:46 PM		PC: E. Bradley			
Contractor: Endesol, Inc.										
Structure ID: B-8-3 SS-MH										
P1 MH048BA30CDARED					MH BASE w/ConBlock-CDA Red T/n					
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 24" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) SPECIAL EXTERNAL COATING - GRADE RING 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 1961 lb 1677 lb 3330 lb 0 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 8932 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). 5. EXTERNAL BITUMINOUS COATING REQUIRED FOR GRADE RING. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W. Invert channel drawing Full height invert			
Rim: 1241' Rim to Invert: 7.8' Slack: 1.6" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1233.2'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1233.3'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



(P5)

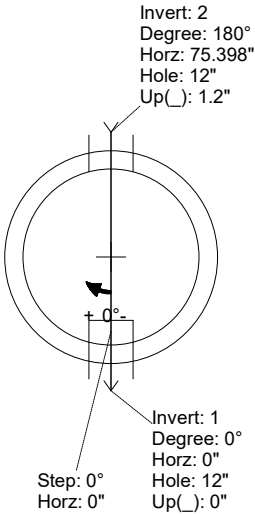
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

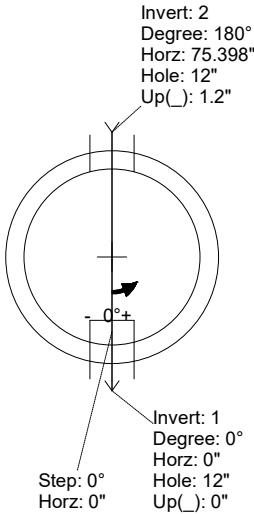


Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

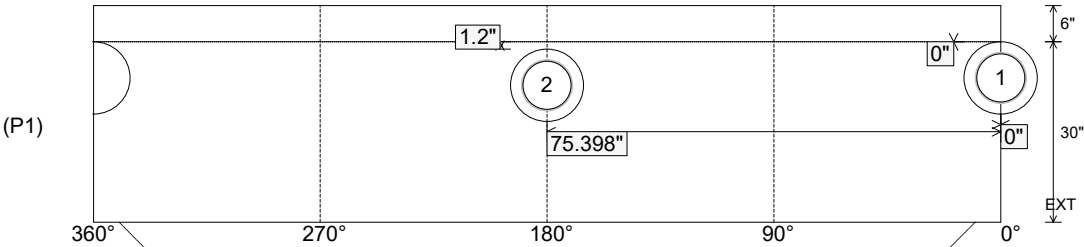


Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

1.2"

75.398"

0"

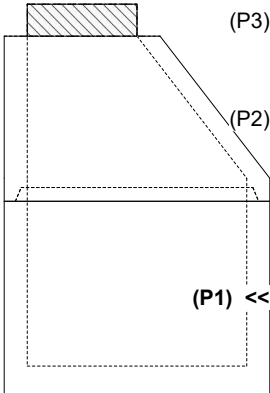
6"

30"

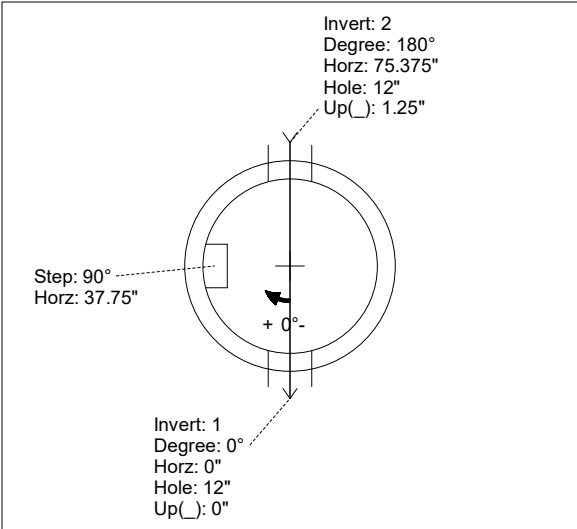
EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
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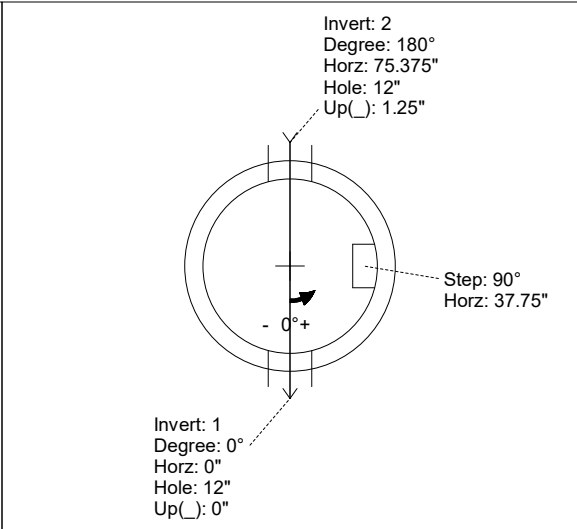
Job Name: 26-1038 - Perryville & Junction City WW Improvements Job Location: Danville, KY Contractor: Connhurst, LLC					Plant: 100 4/27/2026 3:57:14 PM		Tech: Jared - A PC: E. Bradley			
Structure ID: 3499 (3)										
P1 MH048BA36			MH BASE T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE T/n - 36" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 5) MH Step ML-10-TDS-NCR - 10"					0 lb 3000 lb 3749 lb 1440 lb 0 lb 0 lb 258 lb 0 lb 16 lb 0 lb ----- 8463 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Rim: 959.98' Rim to Invert: 6.51' Slack: 1.12" Sump: 2" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	953.47'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	953.57'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



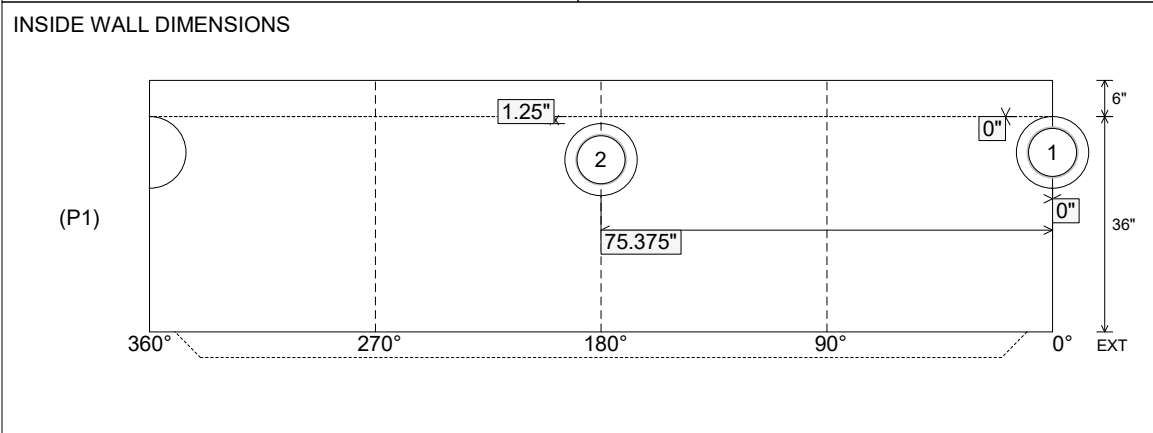
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

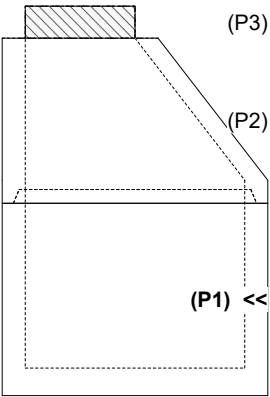
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

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

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

Job Name: 26-1038 - Perryville & Junction City WW Improvements Job Location: Danville, KY Contractor: Connhurst, LLC					Plant: 100 4/27/2026 3:57:14 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: 3499 (3)											
P1 MH048BA36		MH BASE T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE T/n - 36" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 5) MH Step ML-10-TDS-NCR - 10"						0 lb 3000 lb 3749 lb 1440 lb 0 lb 0 lb 258 lb 0 lb 16 lb 0 lb ----- Structure Total: 8463 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Rim: 959.98' Rim to Invert: 6.51' Slack: 1.12" Sump: 2" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	953.47'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	953.57'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

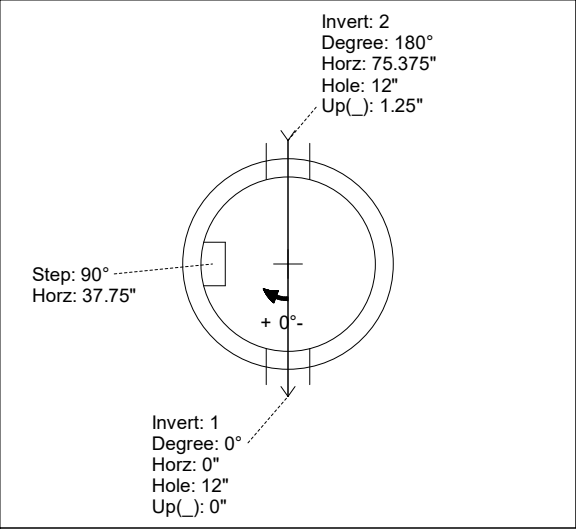


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 12"
Up(): 1.25"

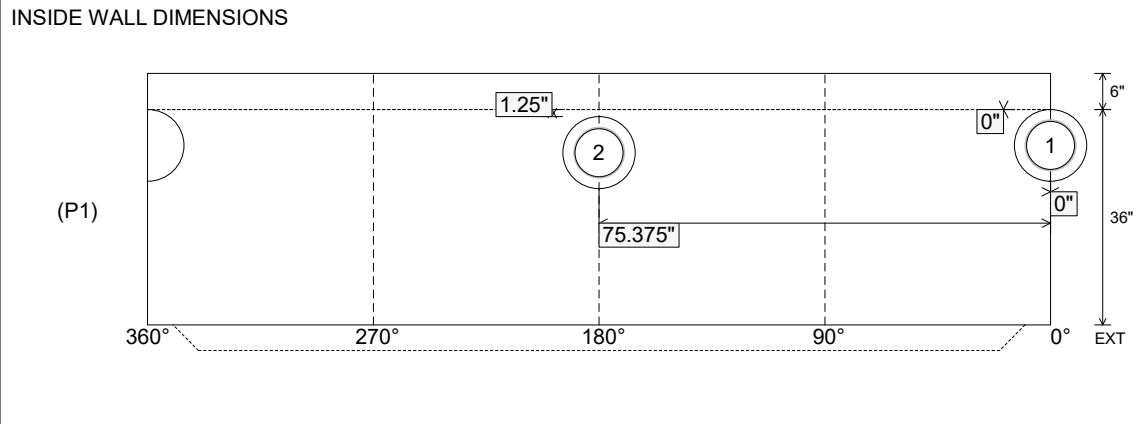
Step: 90°
Horz: 37.75"

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

UPSIDE-DOWN VIEW (int. dimensions)

**INVERT CHANNEL
DRAWING**

INSIDE WALL DIMENSIONS



(P1)

1.25"

0"

0"

75.375"

360° 270° 180° 90° 0° EXT

6"

36"

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements Job Location: Louisville, KY 40208 Contractor: Louisville Paving and Construction					Plant: 100 4/30/2026 1:21:45 PM		Tech: Jared - F PC: J. Jarvis				
Structure ID: S115											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P4) 32" x 32" - CASTING HEIGHT - 3" P3) 48" - MH FLAT TOP w/32"x32" Hole F/G - 12" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE Custom Ht T/n - 40" 1) CASTING - HOE 595 F/G 2) 48" - Conseal CS-102 1.00" 1) 32" x 32" - Conseal CS-102 1.00" 1) Hole - 30 1) Hole - 16 1) Hole - 24					0 lb 1629 lb 3267 lb 3611 lb 376 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 8884 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 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.				
Rim: 454.25' Rim to Invert: 8.61' Slack: 0.32" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	445.64'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	-1.875"	0"	
Invert 2											
Invert 3	445.89'	227°	114.875"	18" HDPE	21.2"	Hole 24	24"	25.133"	1.375"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 40" Height (Ext): 46"	Weight (Net): 3611 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 1:22:30 PM

Tech: Jared - F

PC: J. Jarvis



Structure ID: S113

P2 MH048RS36S

MH RISER T/G

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

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'

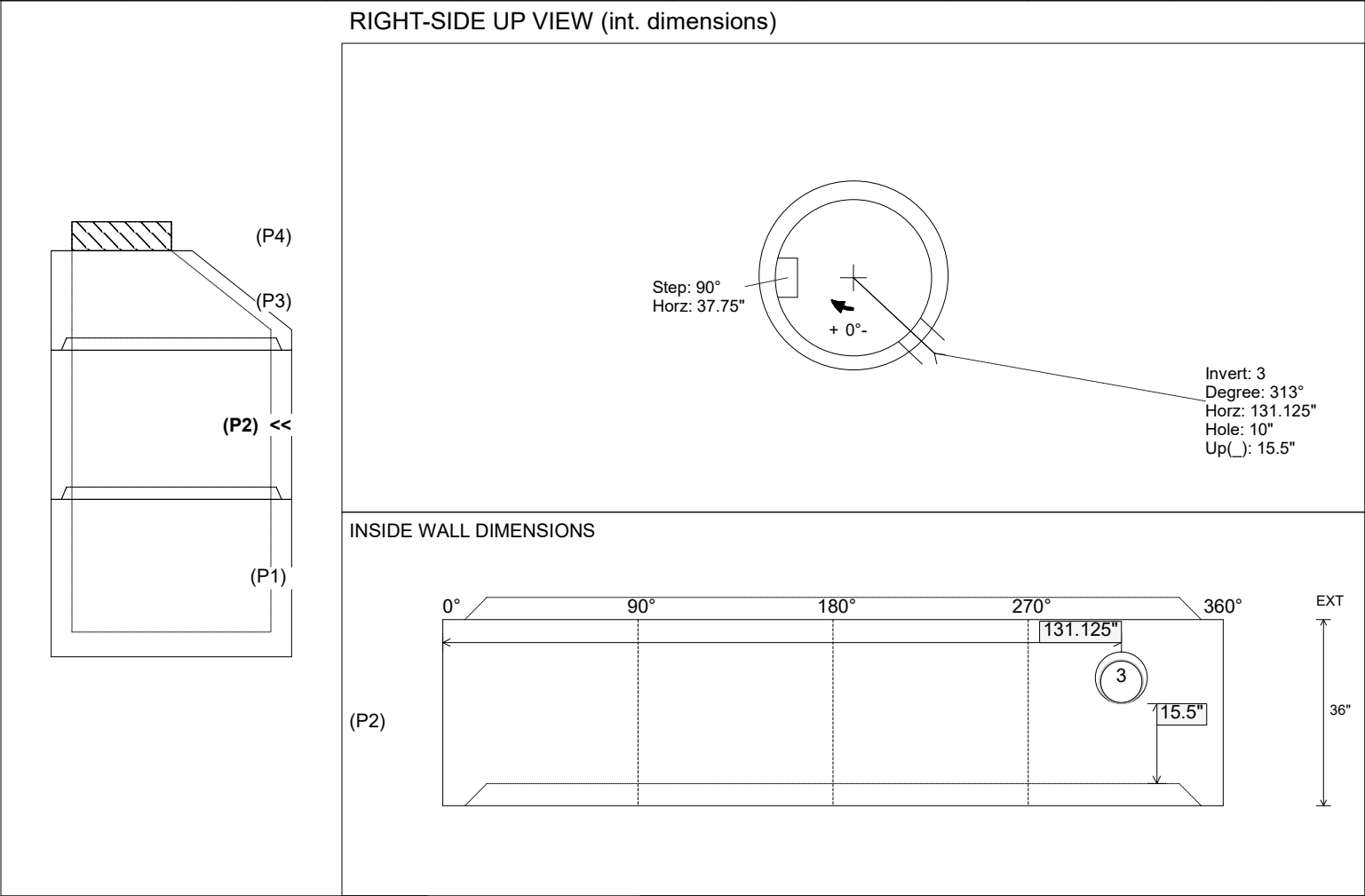
Rim to Invert: 8.26'

Slack: 0.12"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2										
Invert 3	450.38'	313°	158.375"	8" PVC SDR26	8.5"	Hole 10	10"	10.074"	15.5"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

Floor Height: 0"

Height (Int): 36"

Height (Ext): 36"

Weight (Net): 2482 lb

Volume (Net): 0.63cu.yd

Technical drawing of a circular concrete slab with the following dimensions and details:

- Overall Diameter:** $\text{Ø}58"$
- Horizontal Dimensions:**
 - Left edge to center: 17"
 - Center to right edge: 17"
 - Inner square width: 24"
 - Inner square height: 24"
 - Distance from center to inner square edge: 12"
 - Distance from inner square edge to outer circle: 10" TYP
- Vertical Dimensions:**
 - Top edge to center: 17"
 - Center to bottom edge: 17"
 - Inner square height: 24"
 - Distance from center to inner square edge: 12"
- Reinforcement Details:**
 - 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
 - #6 BAR @ 4" C.C. E.W. (GRADE 60)
 - TOP SURFACE TO RECEIVE FLOATED FINISH

Job Name: 25-4299 - Seneca High School
Job Location: Louisville, KY
Contractor: Dan Cristiani Excavating Co. Inc.

Plant: 100

Tech: J. Horsley

2/16/2026 8:20:13 AM

PC: J. Jarvis



Structure ID: C4

P2 MH048LD07-2424 LOUMSD

MH FLAT TOP w/24"x24" Hole LOU-MSD F/F

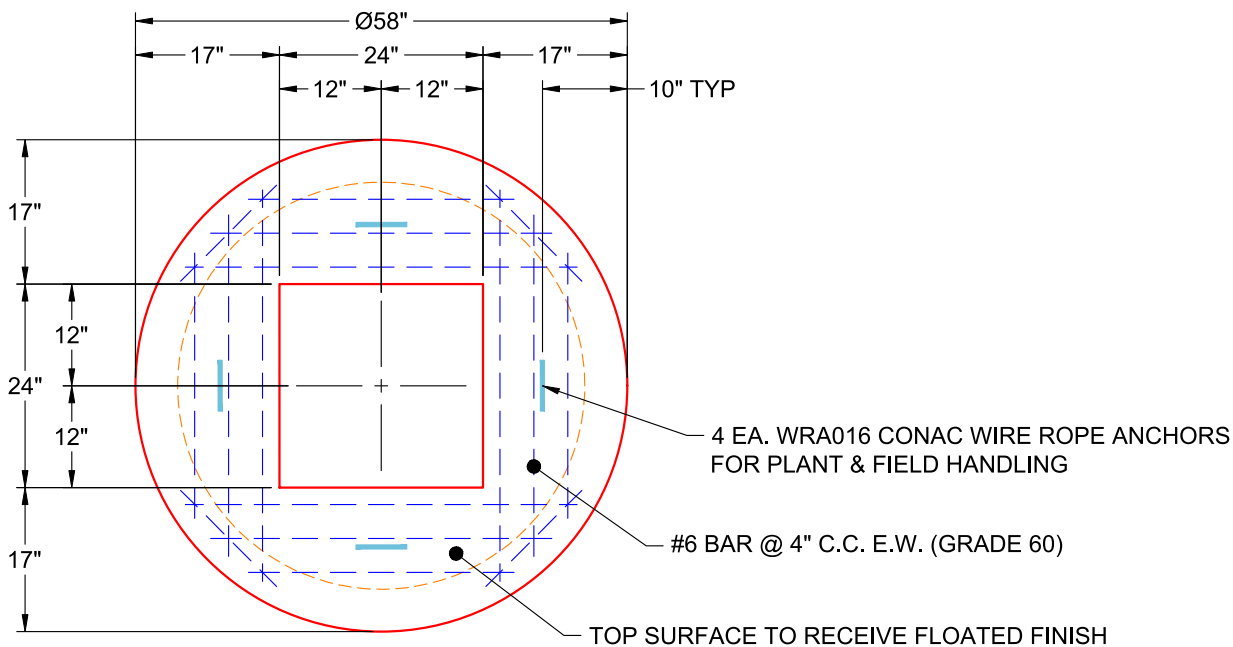
- P3) 24" x 24" - CASTING HEIGHT - 4"
P2) 48" - MH FLAT TOP w/24"x24" Hole LOU-MSD F/F - 7"
P1) 48" - MH BASE Custom Ht F/n - 26"
1) 48" - Conseal CS-102 1.00"
1) 24" x 24" - Conseal CS-102 1.00"
1) Hole - 20
1) Hole - 16
2) MH Step ML-10-TDS-NCR - 10"

Structure Total:

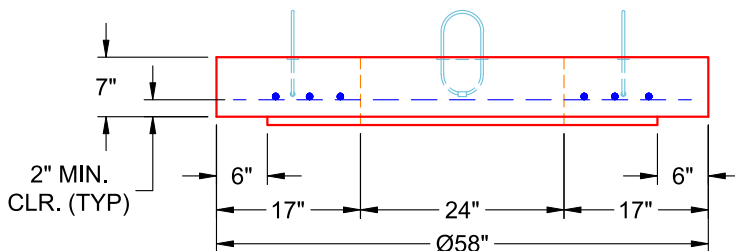
0 lb
1214 lb
2926 lb
0 lb
0 lb
0 lb
0 lb
0 lb
4139 lb

Structure Notes:

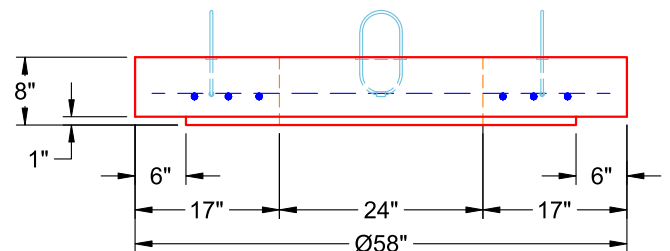
1. PER LOUISVILLE MSD / ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #6 BAR @ 4" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE 280T FRAME & GRATE SUPPLIED BY OTHERS
5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE TO RECEIVE FLOATED FINISH



**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**



**SIDE VIEW
(RIGHT SIDE UP)**

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 7"

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

Job Name: 26-1227 - Project Colt
Job Location: Evansville, IN
Contractor: Russell's Excavating

Plant: 100

5/12/2026 11:30:58 AM

Tech: Jared - F
PC: A. Chambers



Structure ID: 201-22 MHJ

P2 MH060LD08-24X36RECT

MH FLAT TOP w/24"x36" Hole F/F

P3) 24" x 36" - CASTING HEIGHT - 4"
P2) 60" - MH FLAT TOP w/24"x36" Hole F/F - 8"
P1) 60" - MH BASE Custom Ht F/n - 63"
1) CASTING - HOE 518 F/G
1) 60" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 44
1) Hole - 16
2) Hole - 6
5) MH Step ML-10-TDS-NCR - 10"

0 lb
2153 lb
7496 lb
354 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

10003 lb

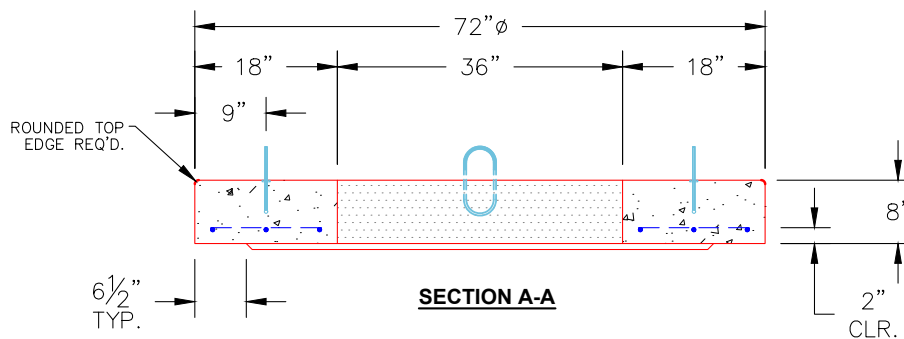
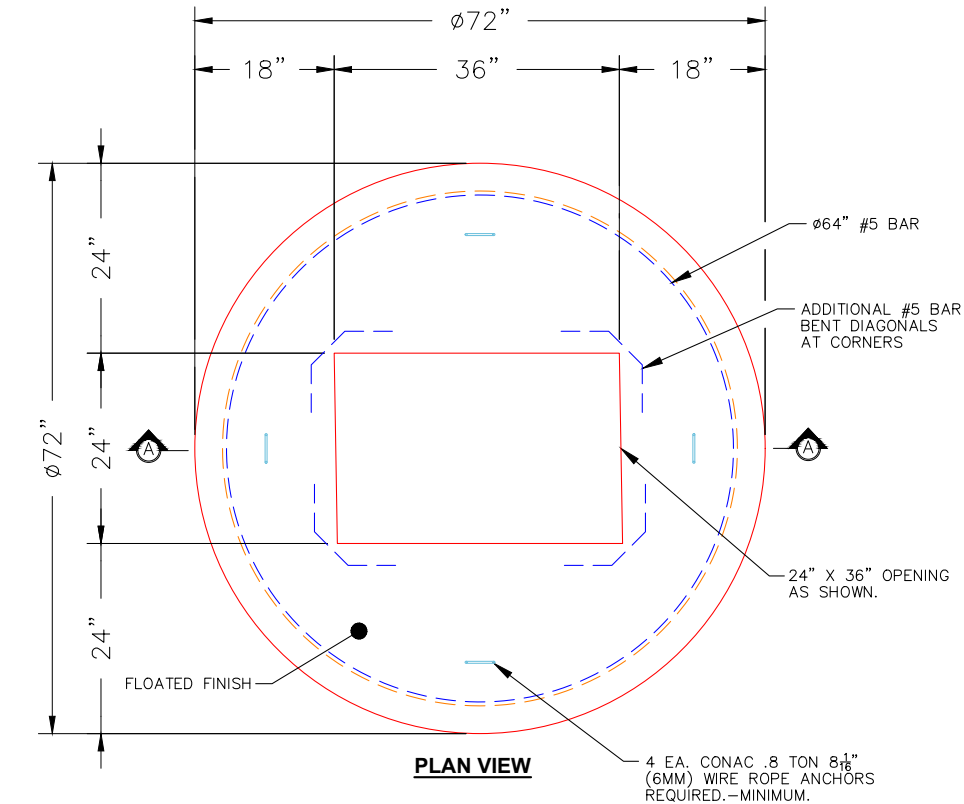
Structure Total:

Structure Notes:

1. INDOT MH TYPE J / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 518 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 .62) #5 BARS AT 6" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2153 lb
Volume (Net): 0.55cu.yd

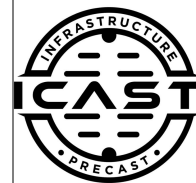
Job Name: 26-1038 - Perryville & Junction City WW Improvements
Job Location: Danville, KY
Contractor: Connhurst, LLC

Plant: 100

4/27/2026 3:59:36 PM

Tech: Jared - A

PC: E. Bradley



Structure ID: 61038 (8)

P2 MH060TS13-48ECC

MH Transition Slab 48" Hole T/G

- P5) 24" - CASTING HEIGHT - 7"
P4) 48" - ECC CONE w/ 24" HOLE F/G - 30"
P3) 48" - MH RISER T/G - 36"
P2) 60" - MH Transition Slab 48" Hole T/G - 13"
P1) 60" - MH BASE T/n - 36"
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-315 F/C Sanitary
1) 60" - Conseal CS-102 1.00" (Double)
2) 48" - Conseal CS-102 1.00" (Double)
3) PSX - 12-08 NYLO
9) MH Step ML-10-TDS-NCR - 10"

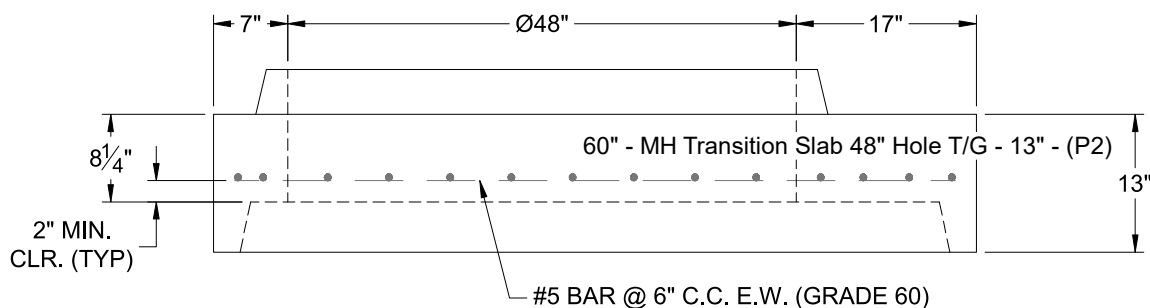
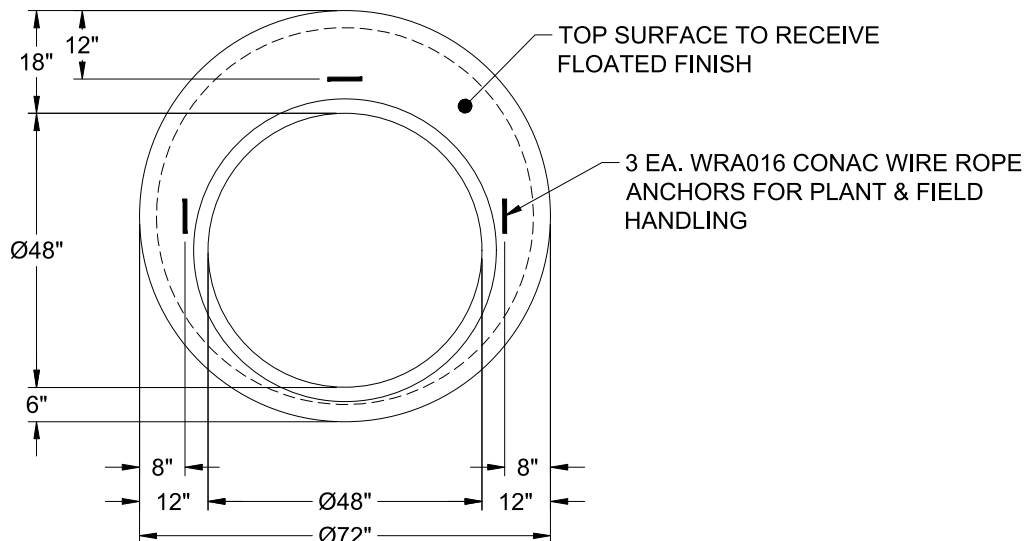
0 lb
2050 lb
2515 lb
1928 lb
6320 lb
0 lb
0 lb
2692 lb
258 lb
0 lb
0 lb
24 lb
0 lb

15786 lb

Structure Total:

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST
5. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE ANCHORS
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

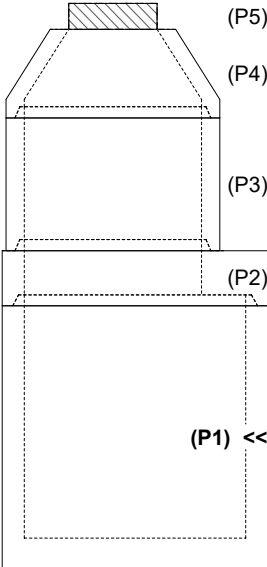
Wall Thickness: 6"

Height (Ext): 13"

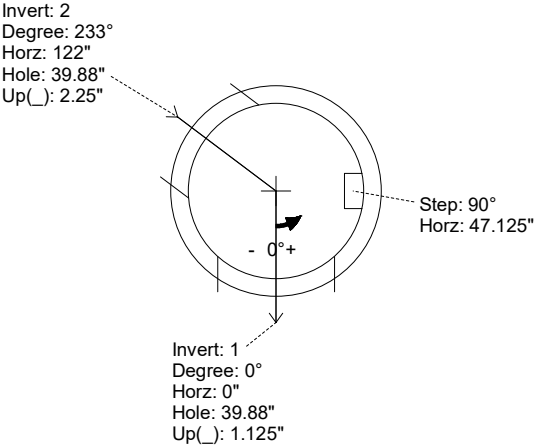
Weight (Net): 1928 lb
Volume (Net): 0.49cu.yd

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 1:21:30 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301548										
P1 MH060BAVF		MH BASE Custom Ht T/n								
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 36" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 63" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 10) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 7955 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 17621 lb Structure Total:		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 748.08' Rim to Invert: 12.06' Slack: 2.72" Sump: 3" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	736.02'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	736.12'	233°	146.375"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

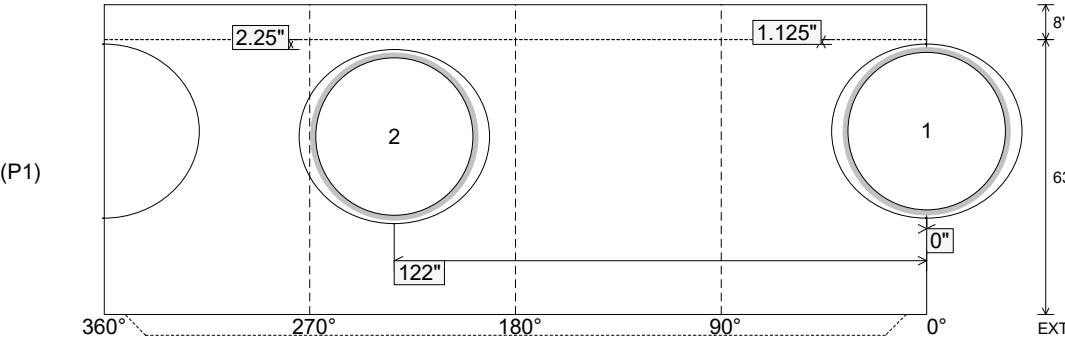
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

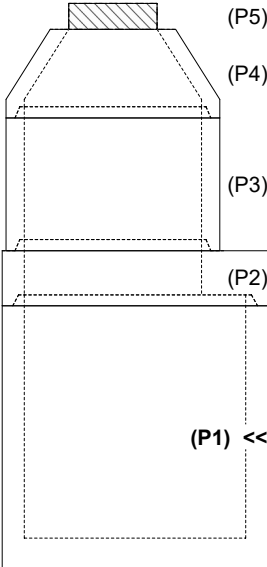


INSIDE WALL DIMENSIONS



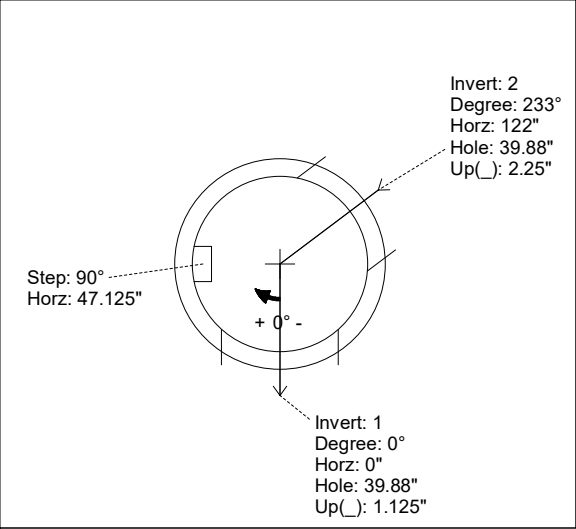
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 63" Height (Ext): 71"	Weight (Net): 7955 lb Volume (Net): 2.03cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting				Plant: 100 3/20/2026 1:21:30 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301548										
P1 MH060BAVF				MH BASE Custom Ht T/n						
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 36" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 63" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 10) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 7955 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 17621 lb Structure Total:		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 748.08' Rim to Invert: 12.06' Slack: 2.72" Sump: 3" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	736.02'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	736.12'	233°	146.375"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



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

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 233°
Horz: 122"
Hole: 39.88"
Up(): 2.25"

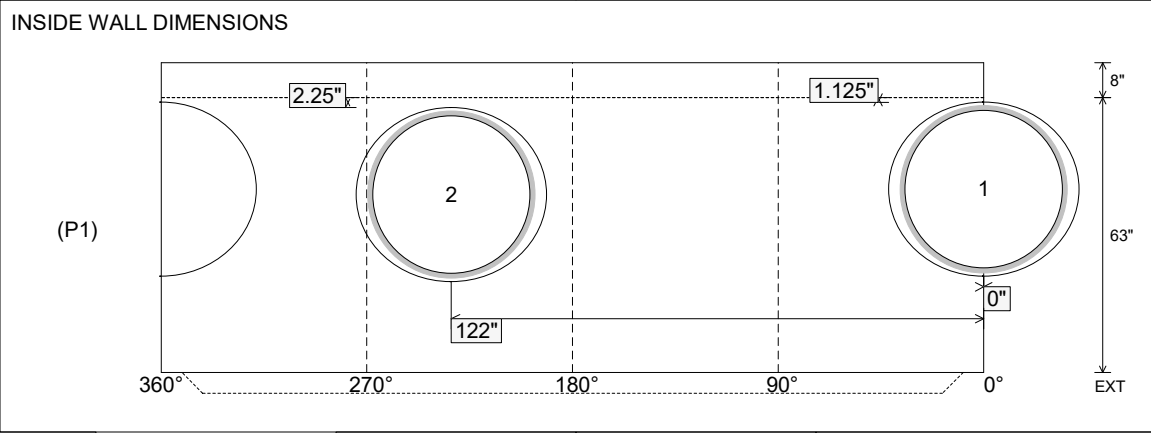
Step: 90°
Horz: 47.125"

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

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

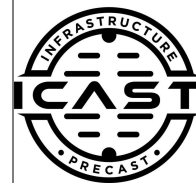
INSIDE WALL DIMENSIONS



(P1)

2.25" 1.125" 8" 63" 0" 122" 360° 270° 180° 90° 0° EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 63" Height (Ext): 71"	Weight (Net): 7955 lb Volume (Net): 2.03cu.yd
----------------------------------	---------------------------------	--	--	--



Weight (Net): 7504 lb
Volume (Net): 1.92cu.yd

Job Name: 26-2582 - 739729 Teal Drive

Job Location: Nashville, TN

Contractor: Contech Engineering Solutions

Plant: Beaver Dam

6/16/2026 1:01:56 PM

Tech: J. Coppage

PC: T. Sekula



Structure ID: 10-CS-8

P2MH096RS36MH RISER T/G

P5) 24" - CASTING HEIGHT - 4"

P4) 96" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 17"

P3) 96" - MH RISER T/G - 72"

P2) 96" - MH RISER T/G - 36"

P1) 96" - MH MONOBASE 13F, Custom Ht T/n - 24"

1) ASSEMBLY REQUIRED

1) CVSTENCILING

3) 96" - Conseal CS-102 1.00"

1) 24" - Conseal CS-102 1.00"

2) Hole - 42

0 lb

10015 lb

15782 lb

8968 lb

17113 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 51879 lb

Structure Notes:

SITE DESIGNATION: STM-C2

(4" TALL CASTING PROVIDED BY OTHERS)

CONTROL RISER TO BE MECHANICALLY ATTACHED TO THE BOTTOM OF THE 72" TALL RISER.

ICAST TO INSTALL THE INTERNALS

CONTECH'S LOGO AS WELL AS THE INLET AND THE OUTLET MUST BE STENBCILED ONTO THE STRUCTURE

Rim: 471.23' Rim to Invert: 6.47' Slack: 7.64" Sump: 83" 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										

(P5)

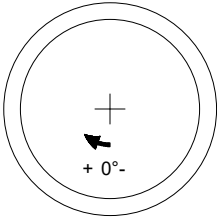
(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P2)

0°

90°

180°

270°

360°

EXT

36"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 9"

Floor Height: 0"

Height (Int): 36"

Height (Ext): 36"

Weight (Net): 8968 lb

Volume (Net): 2.29cu.yd

Job Name: 26-2582 - 739729 Teal Drive
Job Location: Nashville, TN
Contractor: Contech Engineering Solutions

Plant: Beaver Dam
6/16/2026 1:01:43 PM

Tech: J. Coppage
PC: T. Sekula



Structure ID: 10-CS-8

P4 MH096LD17SP

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

P5) 24" - CASTING HEIGHT - 4"
P4) 96" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 17"
P3) 96" - MH RISER T/G - 72"
P2) 96" - MH RISER T/G - 36"
P1) 96" - MH MONOBASE 13F, Custom Ht T/n - 24"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
3) 96" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 42

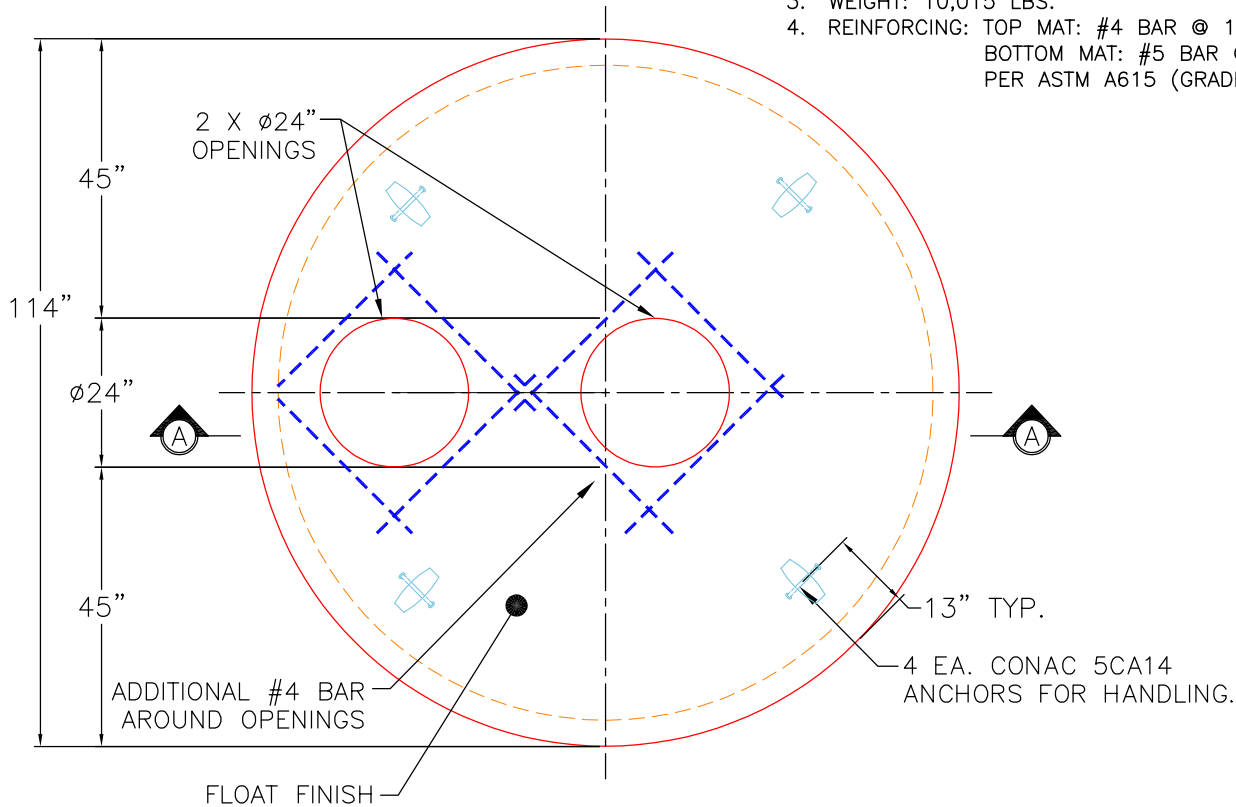
0 lb
10015 lb
15782 lb
8968 lb
17113 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 51879 lb

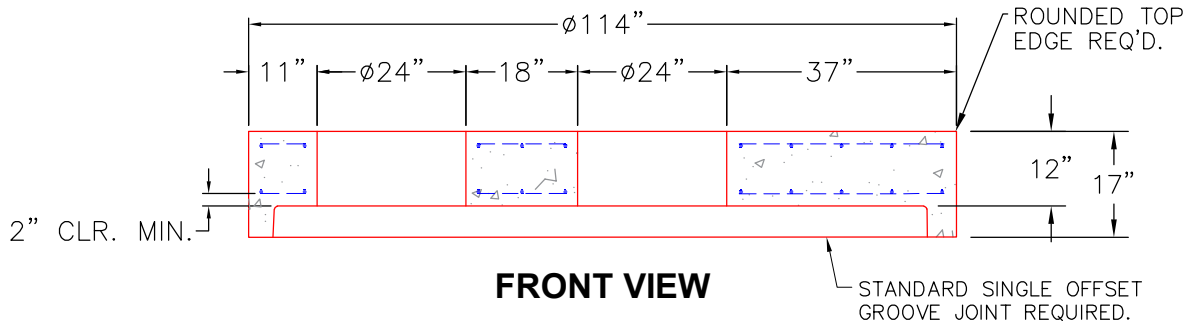
Structure Notes:
SITE DESIGNATION: STM-C2
(4" TALL CASTING PROVIDED BY OTHERS)
CONTROL RISER TO BE MECHANICALLY ATTACHED TO THE BOTTOM OF THE 72" TALL RISER.
ICAST TO INSTALL THE INTERNALS
CONTECH'S LOGO AS WELL AS THE INLET AND THE OUTLET MUST BE STENBCILED ONTO THE STRUCTURE

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

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

Plant: 100

5/28/2026 7:52:46 AM

Tech: J. Horsley

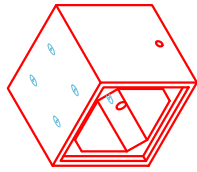
PC: C. Goff



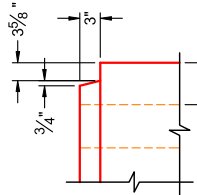
Structure ID: St. 45+00 (PC 1)

P1 BC048048-08WLF-9H

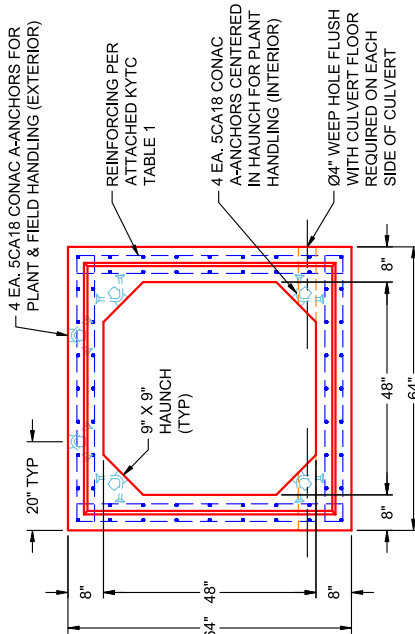
BOX CULVERT (08W/08F/08T) No Tongue G/F



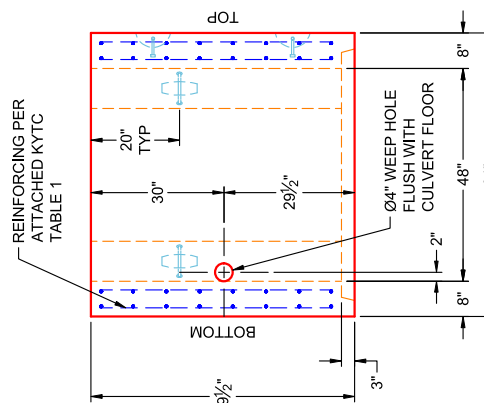
COMPONENT
ISOMETRIC
VIEW



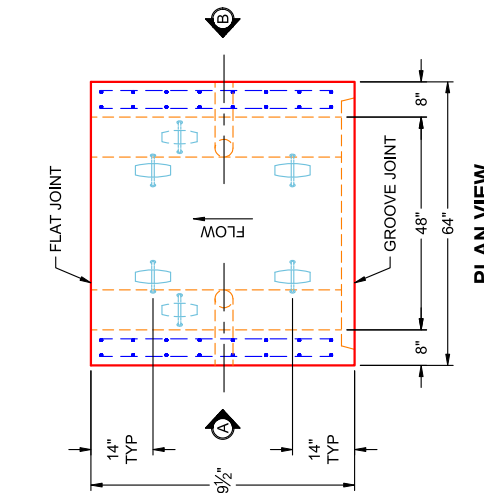
JOINT DETAIL
(TYP)
NTS



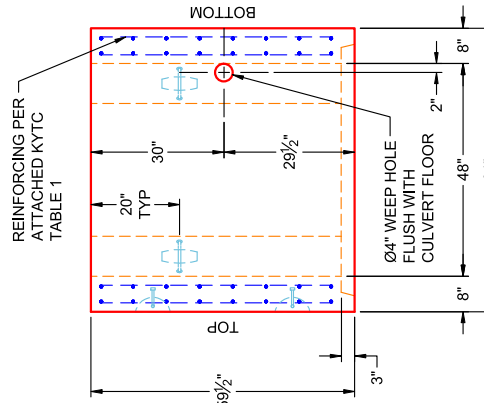
END VIEW
TYPICAL



VIEW A
PC 1
(UPRIGHT IN MOLD)



PLAN VIEW
PC 1
(UPRIGHT IN MOLD)



VIEW B
PC 1
(UPRIGHT IN MOLD)

- GENERAL NOTES:**
- PER SECTION 605 OF KYTC STANDARD SPECS FOR ROAD & BRIDGE CONSTRUCTION
- KYTC STAMP REQUIRED
- WEEP HOLES REQUIRED
 - LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
 - REINFORCEMENT PER ATTACHED KYTC TABLE 1
 - COVER DEPTH: 0' - 7'
 - CONCRETE: 5,000 PSI AT 28 DAYS
 - JOINT SEALANT: 1" BUTYL MASTIC (CS-102)
EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
 - WEIGHT: 4' X 4' RCBC = 1,968 LBS / LF
(4'-11 1/2" LONG SECTION = 9,756 LBS)

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: BC048048-08WLF-9H

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 9,756 LBS

TOP SECTION JOINT: FLAT

BASE SECTION JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 48" X 48" X 59 1/2" BOX CULVERT (8" WALLS & 9" HAUNCH)

CUSTOMER: JIM SMITH CONTRACTING

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

STRUCTURE: ST. 45+00 (PC 1)

ORDER NO: 24-1643B

PE: J.H. ROSS

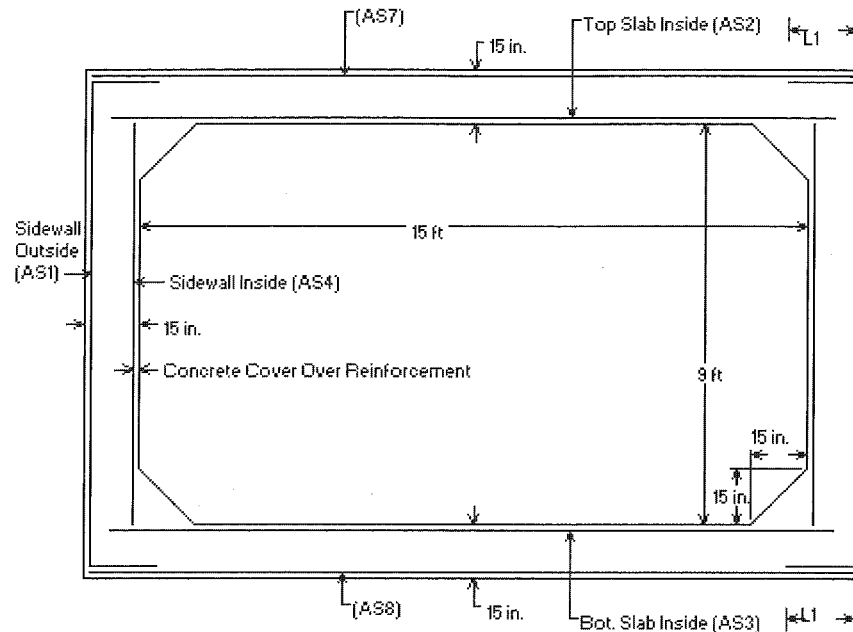
DRAWING: K. CARDWELL

DATE: 05/28/26

SCALE: NTS

PG. 1 OF 1

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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

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

*top slab 7.5", bottom slab 6"

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

*top slab 7.5", bottom slab 6"

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

*top slab 8", bottom slab 7"

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

Plant: 100

5/28/2026 7:51:15 AM

Tech: J. Horsley

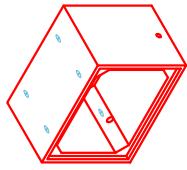
PC: C. Goff



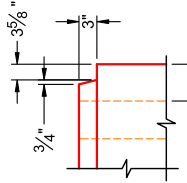
Structure ID: St. 43+62 (PC 4)

P1 BC096072-08WLF-9HC

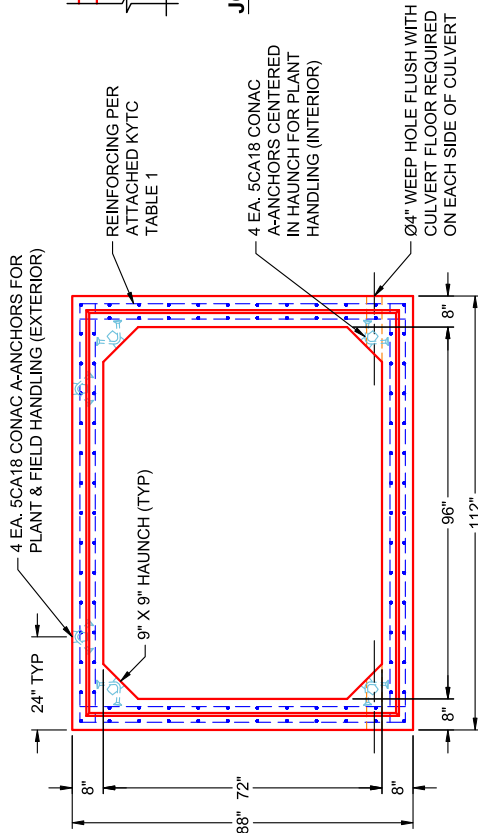
BOX CULVERT (08W/08F/08T) G/T



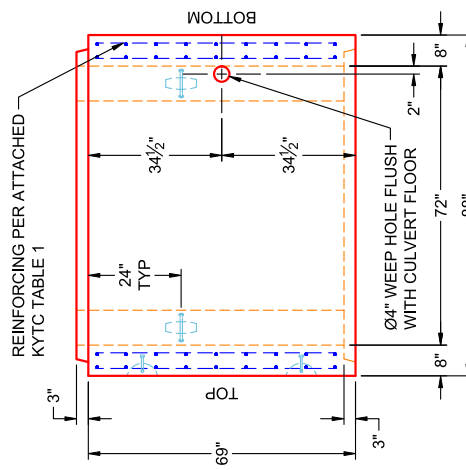
COMPONENT
ISOMETRIC
VIEW



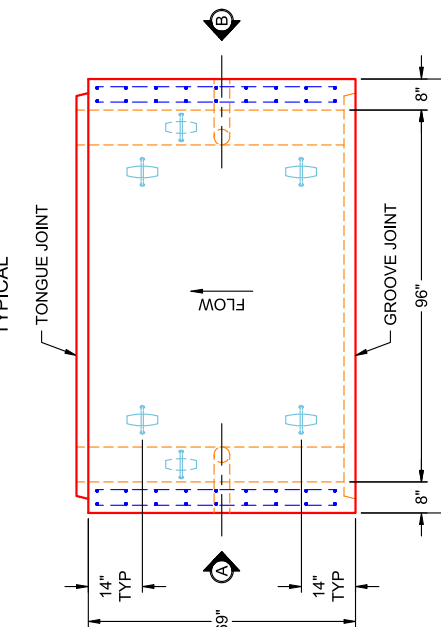
JOINT DETAIL
(TYP)
NTS



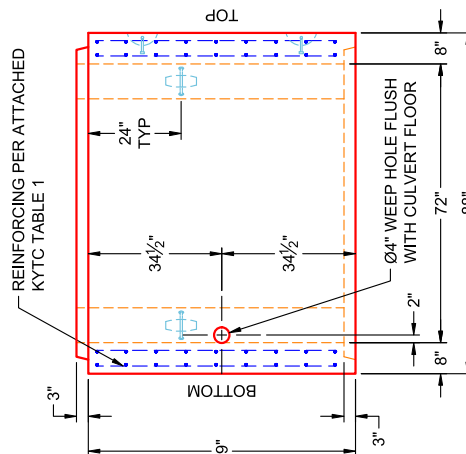
END VIEW
TYPICAL



VIEW B
PC 4
(UPRIGHT IN MOLD)



PLAN VIEW
PC 4
(UPRIGHT IN MOLD)



VIEW A
PC 4
(UPRIGHT IN MOLD)

GENERAL NOTES:

- PER SECTION 605 OF KYTC STANDARD SPECS FOR ROAD & BRIDGE CONSTRUCTION
- KYTC STAMP REQUIRED
- WEEP HOLES REQUIRED
- LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
- REINFORCEMENT PER ATTACHED KYTC TABLE 1
- COVER DEPTH: 10"
- CONCRETE: 5,000 PSI AT 28 DAYS
- JOINT SEALANT: 1" BUTYL MASTIC (CS-102)
EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
- WEIGHT: 8' X 6' RCBC = 3,138 LBS / LF
(5'-9" LONG SECTION = 18,044 LBS)

PRODUCTION WORK ORDER

QUALITY CONTROL CHECKLIST

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



PRODUCT I.D.: BC096072-08WLF-9H

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 18,044 LBS

TOP SECTION JOINT: TONGUE

BASE SECTION JOINT: GROOVE

QC CHECK INITIALS:

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

CUSTOMER: JIM SMITH CONTRACTING

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

STRUCTURE: ST. 43+62 (PC 4)

ORDER NO: 24-1643B

PE: J.H. ROSS

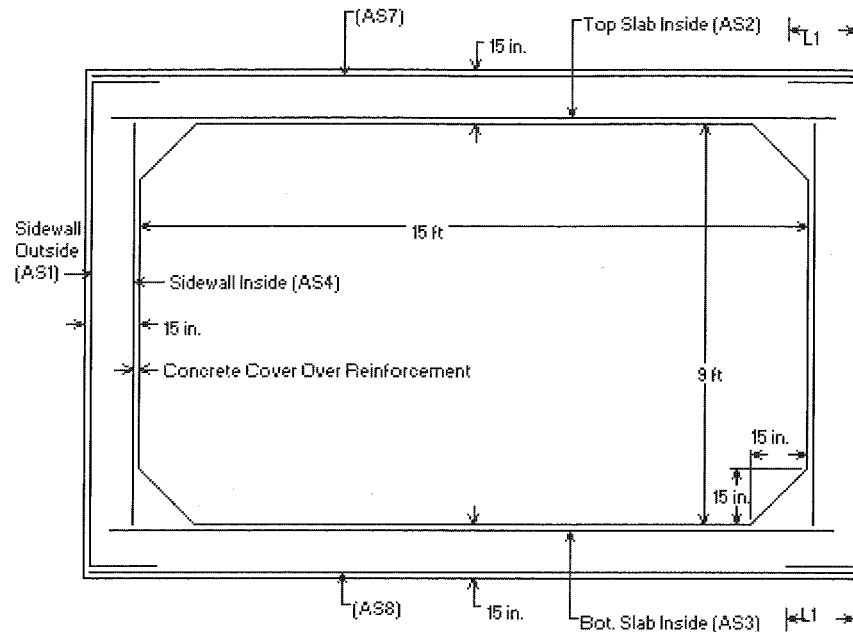
DRAWING: K. CARDWELL

DATE: 05/28/26

SCALE: NTS

PG. 1 OF 1

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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
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 8:41:21 AM

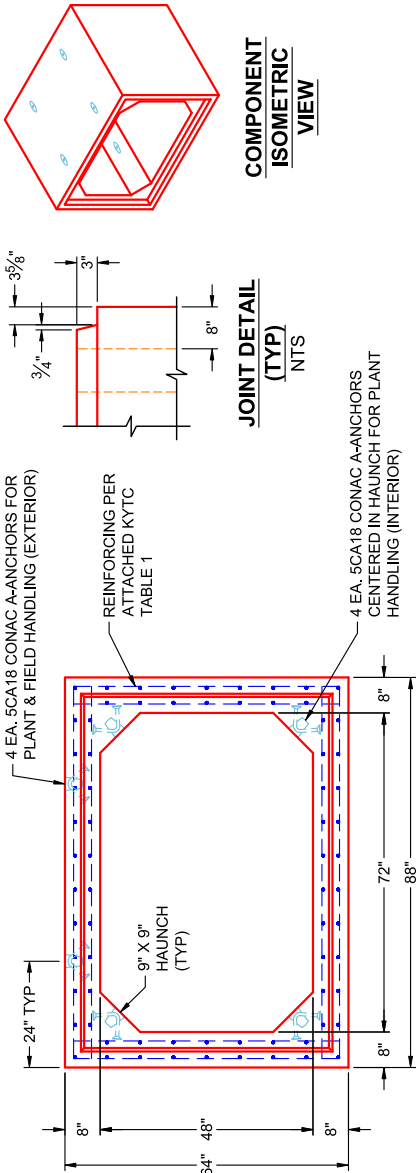
Tech: Jared - A
PC: A. Chambers



Structure ID: BC 6 x 4 (Sec R)

P1 BC048072-08WLF-9H

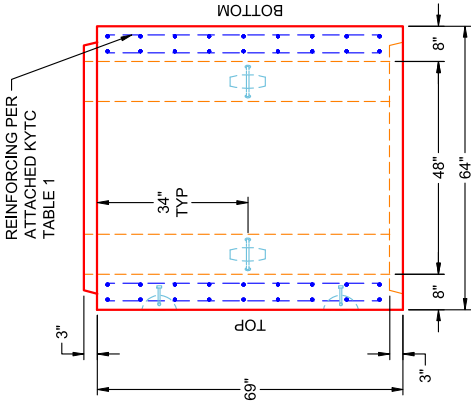
BOX CULVERT (08W/08F/08T) G/T



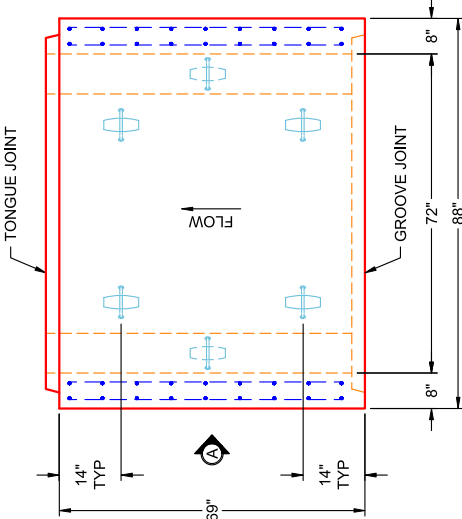
COMPONENT
ISOMETRIC
VIEW

JOINT DETAIL
(TYP)
NTS

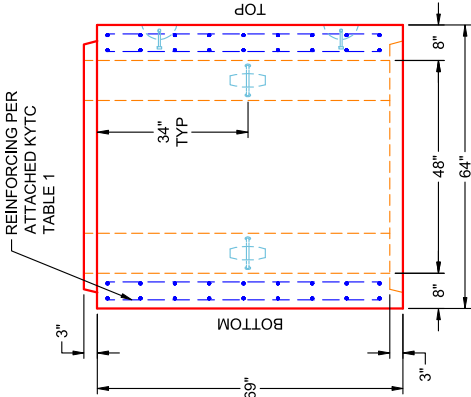
END VIEW
TYPICAL



VIEW B
SEC R
(UPRIGHT IN MOLD)



PLAN VIEW
SEC R
(UPRIGHT IN MOLD)



VIEW A
SEC R
(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



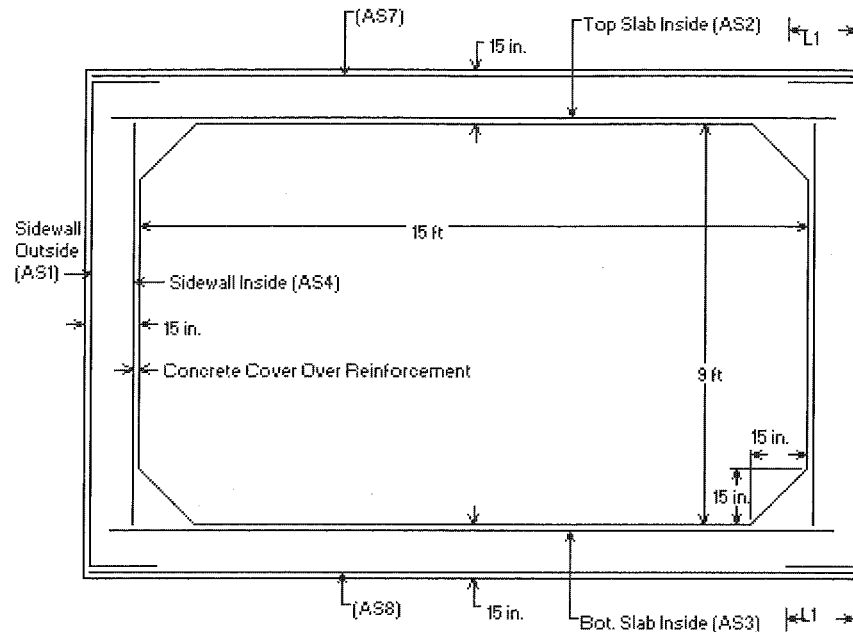
QUALITY CONTROL CHECKLIST

- ☐ 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 R)
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		

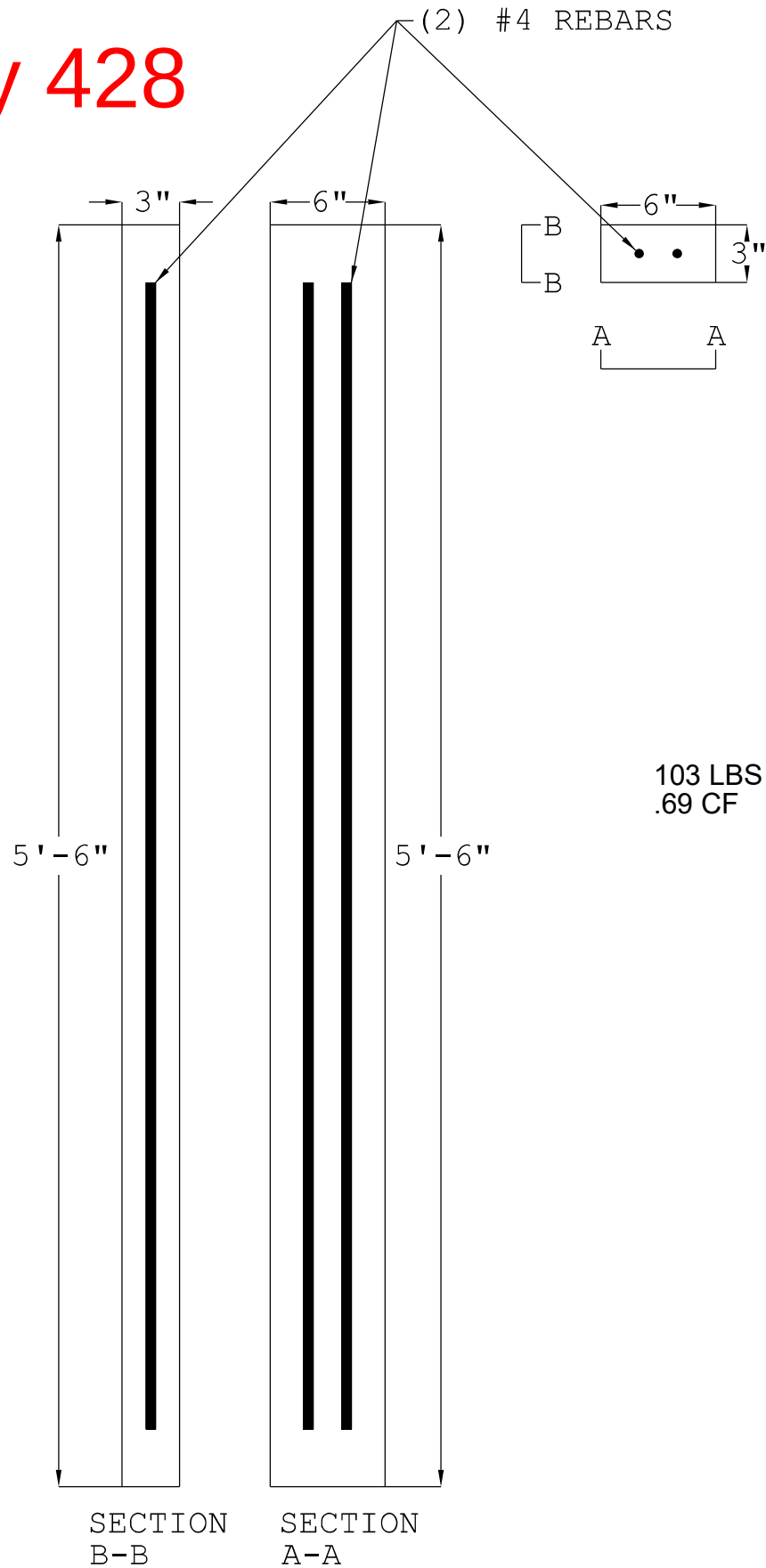
*top slab 8"

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"

ALCOA CONCRETE LOGS

Quantity 428



Job Name: 26-1456 Double Kwik

Job Location: Whitesburg, KY

Contractor: Rising Sun Development Company

Plant: Beaver Dam

6/18/2026 3:05:39 PM

Tech: S. Felletter

PC: E. Bradley

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 86 79-5 DBI10

P1 BX24300808VF

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

P3) 16" x 28" - CASTING HEIGHT - 5"

P2) 24" x 30" - BX FLAT LID 8inW w/16"x28" HOLE F/F - 8"

P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht F/n - 47"

1) CASTING - HOE KY-550 F/G (DBI TY 10)

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

1) Hole - 24

2) Hole - 18

0 lb

934 lb

5083 lb

550 lb

0 lb

0 lb

0 lb

Structure Total: 6567 lb

Structure Notes:

1. KYTC DBI TYPE 10 / ASTM C-913 SPEC'S.

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

3. NO INVERT CHANNEL.

4. NO STEPS.

5. CASTING BY ICAST (HOE KY-550 F/G).

REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

Rim: 1191.8'

Rim to Invert: 5.01'

Slack: 0.12"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1186.79'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"
Invert 2	1186.79'	180°	20"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"
Invert 3	1186.79'	270°	23"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

(P3)

(P2)

(P1) <<

Invert: 2
Degree: 180°
Horz: 12"
Hole: 18"
Up(): -3"

24"

30"

+ 0°-

Invert: 3
Degree: 270°
Horz: 15"
Hole: 18"
Up(): -3"

24"

30"

- 0°+

Invert: 1
Degree: 0°
Horz: 12"
Hole: 24"
Up(): -3"

Invert: 2
Degree: 180°
Horz: 12"
Hole: 18"
Up(): -3"

24"

30"

- 0°+

Invert: 3
Degree: 270°
Horz: 15"
Hole: 18"
Up(): -3"

24"

30"

+ 0°-

Invert: 1
Degree: 0°
Horz: 12"
Hole: 24"
Up(): -3"

INSIDE WALL DIMENSIONS

3

2

1

-3"

-3"

-3"

15"

12"

12"

Left

Back (24")

Right (30")

Front

8"

47"

EXT

Coating (Int):

Coating (Ext):

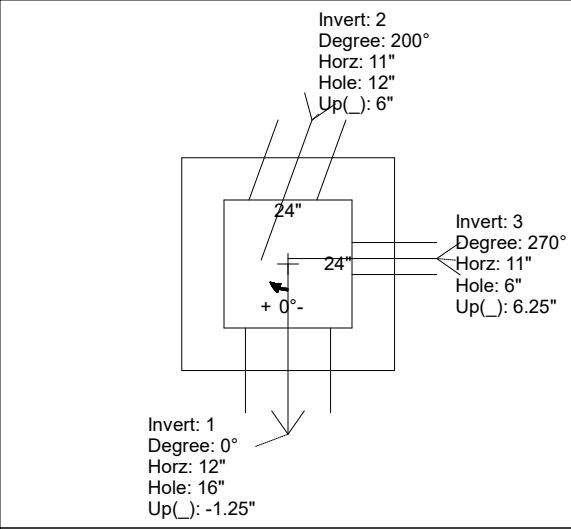
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

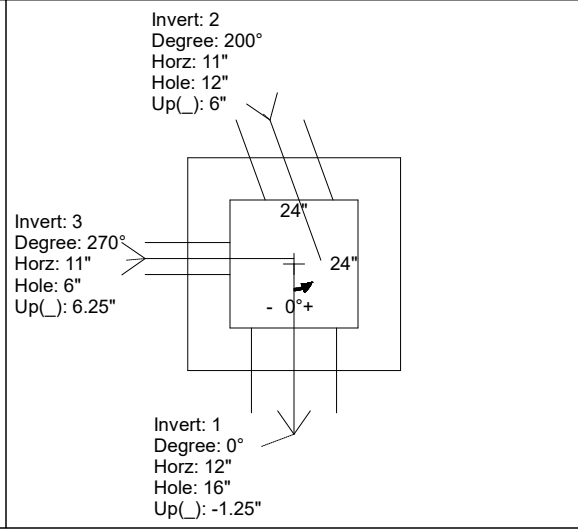
Height (Int): 47"
Height (Ext): 55"

Weight (Net): 5083 lb
Volume (Net): 1.3cu.yd

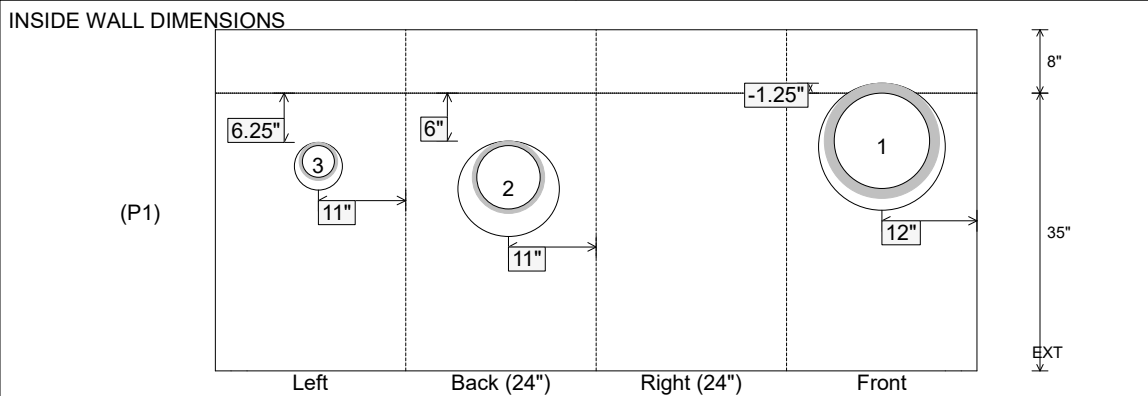
Job Name: 26-2171 - Lake Malone Campground Multi Park West Job Location: Lewisburg, KY Contractor: Sensabaugh Design & Construction, LLC					Plant: 100 6/16/2026 10:48:08 AM		Tech: Jared - F PC: M. Sullivan			
Structure ID: CB-A1										
P1 BX2424-08BAVF BOX BASE 8inW, 8inF, Variable Ht F/n										
P2) 24" x 24" - CASTING HEIGHT - 4" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 35" 1) CASTING - HOE 280T F/G 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 16 1) Hole - 12 1) Hole - 6					0 lb 3847 lb 182 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4029 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 280T F/G). 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: 570.2' Rim to Invert: 3.25' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	566.95'	0°	20"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 2	567.5'	200°	22"	8" HDPE	9.1"	Hole 12	12"	12.77"	6"	-5"
Invert 3	567.5'	270°	19"	4" HDPE	4.8"	Hole 6	6"	6"	6.25"	-1"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



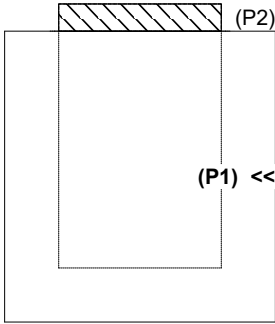
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

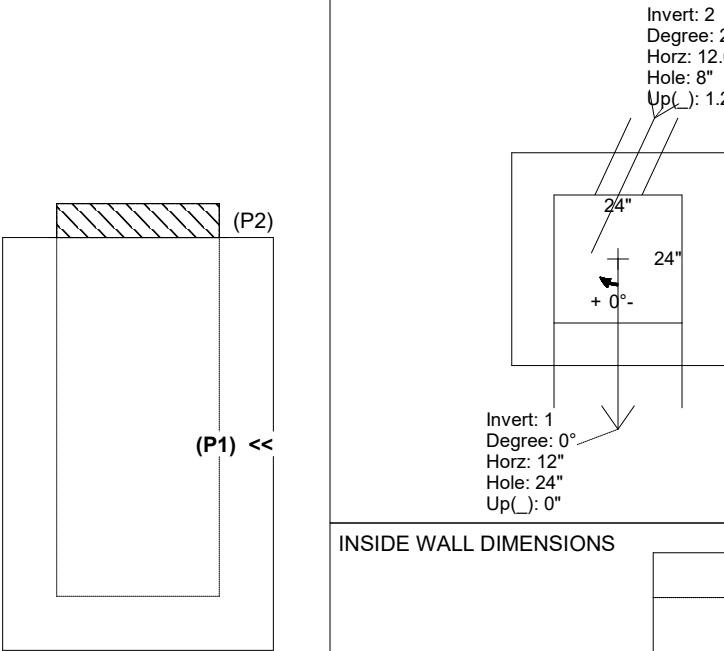


(P1) << (P2)

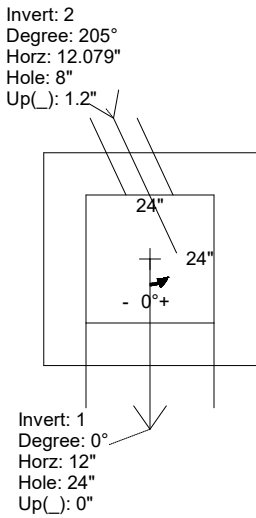
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 35" Height (Ext): 43"	Weight (Net): 3847 lb Volume (Net): 0.98cu.yd
----------------------------------	-------------------------------	--	--	--

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 8:02:40 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: Y8.1 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 - 53" 1) CASTING - HOE KY-465 SET (CBI TY F) 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 24 1) Hole - 8					0 lb 5363 lb 465 lb 0 lb 0 lb 0 lb ----- 5828 lb Structure Total:		Structure Notes: 1. PER ASTM C913 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: 371.7' Rim to Invert: 4.7' Slack: 0" Sump: 1.6" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	367'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"	
Invert 2	367'	205°	23.809"	4" HDPE	4.8"	Hole 8	8"	8.827"	1.2"	-5"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

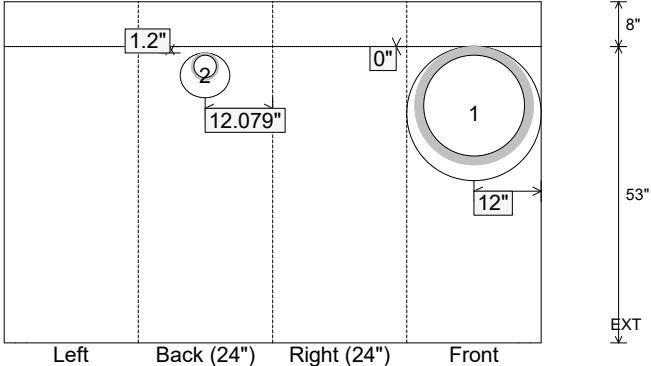
RIGHT-SIDE UP VIEW (int. dimensions)



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): 53" Height (Ext): 61"	Weight (Net): 5363 lb Volume (Net): 1.37cu.yd
----------------------------------	-------------------------------	--	--	--

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

Plant: Beaver Dam
6/1/2026 8:23:29 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: MD-22

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

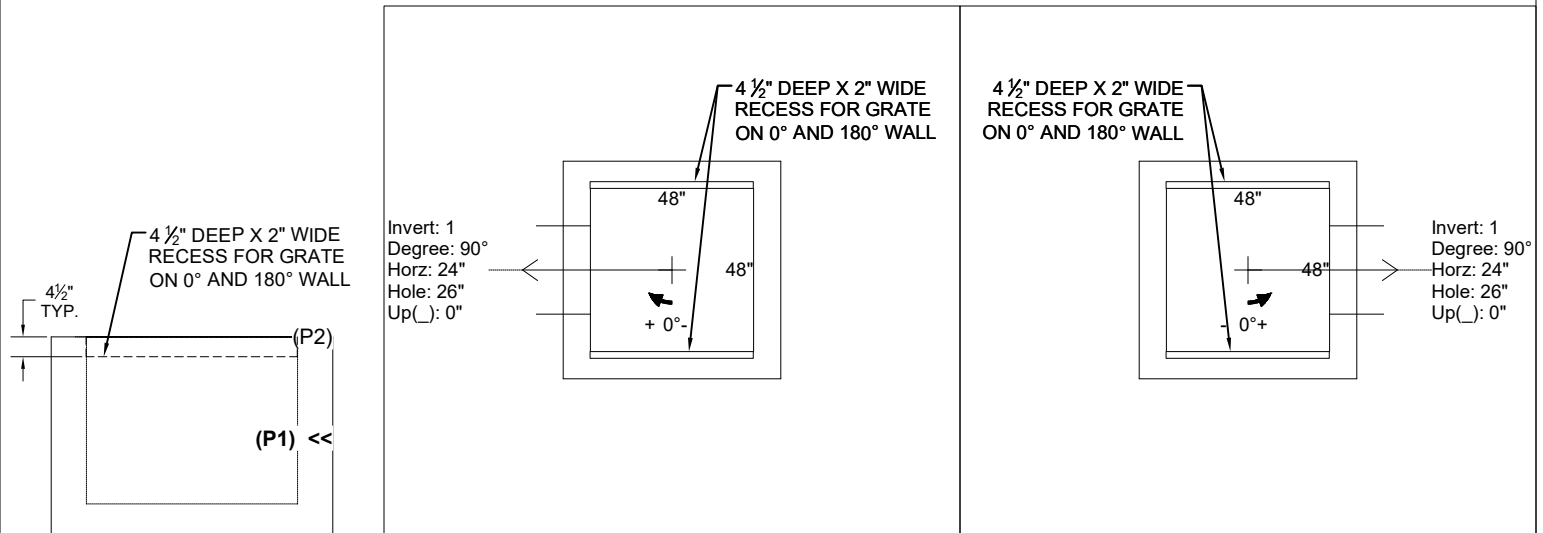
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS TDOT TYPE 39 BY ICAST
4. REINFORCING PER TDOT DRAWING D-CB-39S
ASTM A615 (GRADE 60).
5. PRODUCTION TO PLACE A 4.5" DEEP X 2" WIDE
RECESS IN THE TOP INSIDE OF THE 0 DEGREE
AND THE 180 DEGREE WALL OF THE BASE.

Rim: 776.83' Rim to Invert: 2.99' Slack: 0.38" Sump: 2.5" Step Position:

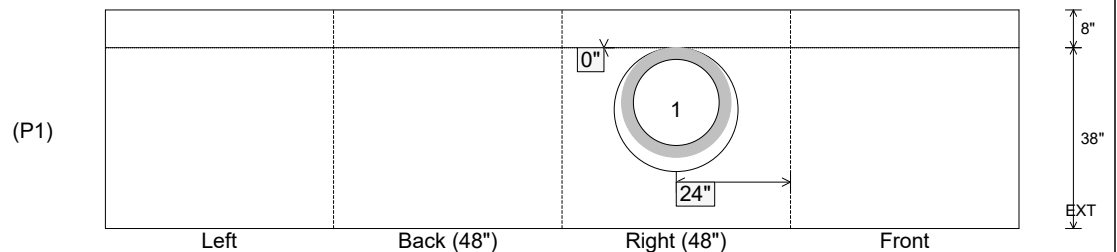
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	773.84'	90°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. 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): 8107 lb Volume (Net): 2.07cu.yd
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Job Name: 25-3062 Portland Bypass
Job Location: Portland, TN
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam
6/1/2026 8:23:28 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: MD-20

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 - 37"
1) CASTING - JBS TYPE 39 TDOT GRATES (48" X 48")
1) Hole - 25

0 lb
7984 lb
459 lb
0 lb

Structure Total: 8443 lb

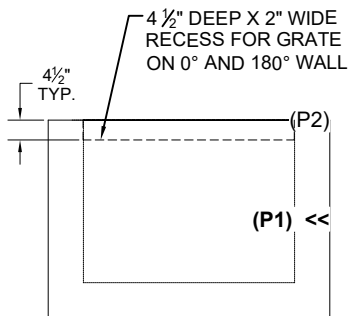
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS TDOT TYPE 39 BY ICAST
4. REINFORCING PER TDOT DRAWING D-CB-39S
ASTM A615 (GRADE 60).
5. PRODUCTION TO PLACE A 4.5" DEEP X 2" WIDE
RECESS IN THE TOP INSIDE OF THE 0 DEGREE
AND THE 180 DEGREE WALL OF THE BASE.

Rim: 774.58' Rim to Invert: 2.84' Slack: -0.42" Sump: 2.5" Step Position:

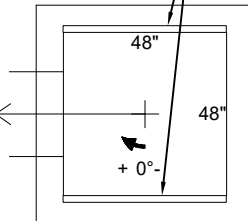
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	771.74'	90°	32"	18" RCP B WALL	23"	Hole 25	25"	25"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

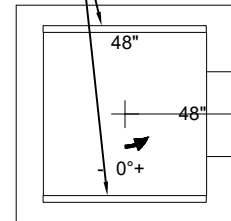
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 1
Degree: 90°
Horz: 24"
Hole: 25"
Up(): 0"



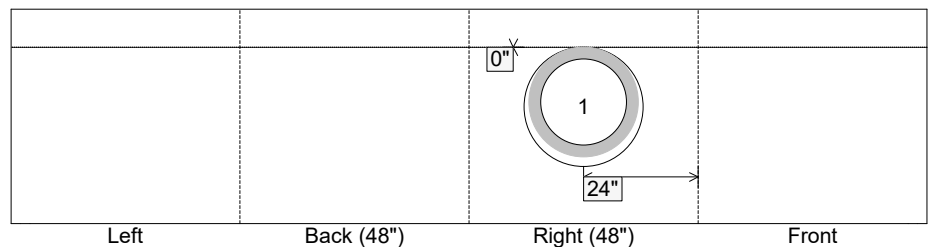
4 1/2" DEEP X 2" WIDE
RECESS FOR GRATE
ON 0° AND 180° WALL



Invert: 1
Degree: 90°
Horz: 24"
Hole: 25"
Up(): 0"

INSIDE WALL DIMENSIONS

(P1)



8"
37"
EXT

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

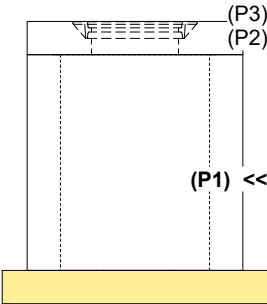
Height (Int): 37"
Height (Ext): 45"

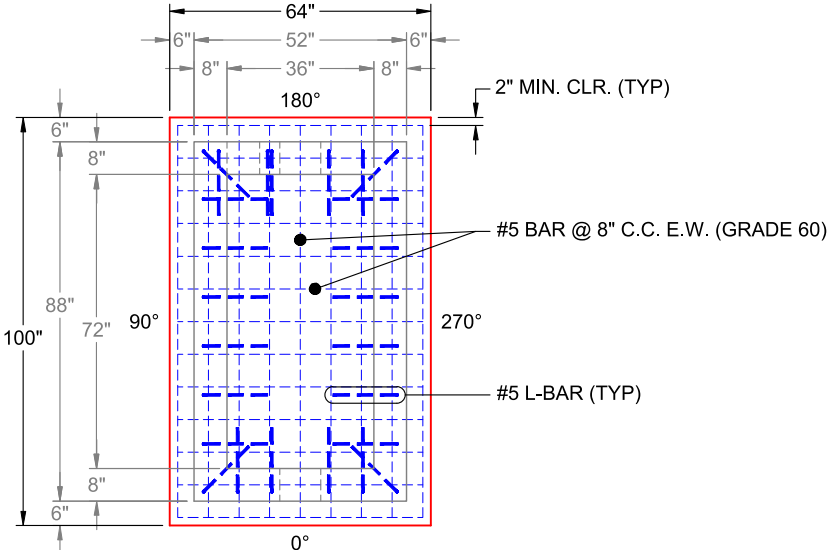
Weight (Net): 7984 lb
Volume (Net): 2.04cu.yd

Job Name: 26-1038 - Perryville & Junction City WW Improvements Job Location: Danville, KY Contractor: Connhurst, LLC				Plant: 100 5/6/2026 4:05:50 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: 61038 (2)										
P1 BX3672-08BAVF-EB				BX BASE w/FLANGE 08W/08F/06EF F/n						
P3) CASTING (cast in) - 0 P2) 36" x 72" - BX FLAT LID 8inW w/24" FRAME CAST IN F/F - 8" P1) 36" x 72" - BX BASE w/FLANGE 08W/08F/06EF F/n - 52" 1) CASTING - HOE MCS-290 F/C Sanitary 1) This Structure Includes a Cast-in Item - HOE MCS-290 Frame (Supplied by iCast) 1) SPECIAL Internal Coating - Carboline 300M 1) SECONDARY POUR 1) 36" x 72" - Conseal CS-102 1.00" (Double) 2) Hole - 10 1) Hole - 8 116.67 SqFt) Carboline Bitumastic 300M [INT]				0 lb 2925 lb 12882 lb 241 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 16048 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 5,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. SPECIAL INTERNAL COATING REQUIRED - CARBOLINE 300M 5. WET STICK 16" X 30" #5 L-BARS SPACED @ 12" C.C. (GRADE 60) OUT OF FLOOR FOR WALL POUR TIE-IN (SEE L-BAR DETAIL)				
Rim: 972' Rim to Invert: 4.83' Slack: 0" Sump: 2" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	968.25'	0°	26"	6" DI	6.875"	Hole 10	10"	10"	13"	0"
Invert 2	968.25'	180°	26"	6" DI	6.875"	Hole 10	10"	10"	13"	0"
Invert 3	967.17'	180°	12"	4" DI	4.75"	Hole 8	8"	8"	0"	-14"
Invert 4										

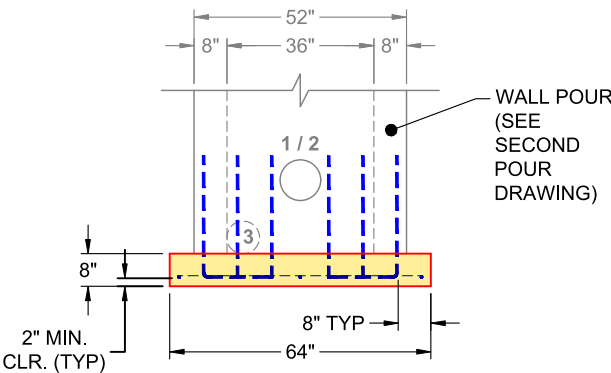
FIRST POUR (FLOOR):
4,296 LBS

SECOND POUR (WALLS):
8,586 LBS

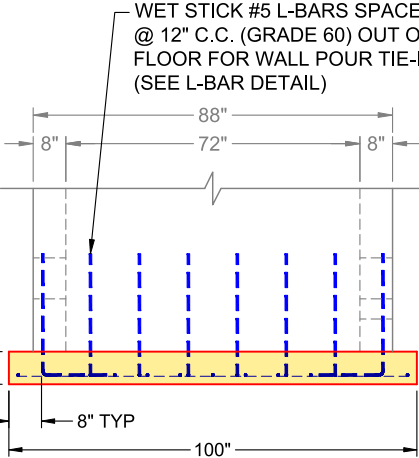




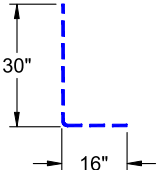
PLAN VIEW
(RIGHT SIDE UP)



FRONT VIEW
(RIGHT SIDE UP)



SIDE VIEW
(RIGHT SIDE UP)



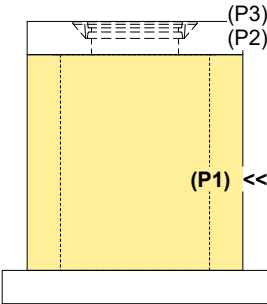
#5 L-BAR
25 EA. REQUIRED

Coating (Int): Carboline Bitumastic 300M Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 52" Height (Ext): 60"	Weight (Net): 12882 lb Volume (Net): 3.29cu.yd
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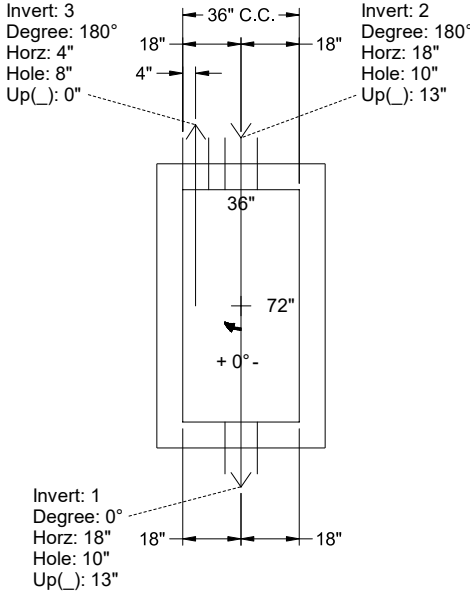
Job Name: 26-1038 - Perryville & Junction City WW Improvements Job Location: Danville, KY Contractor: Connhurst, LLC					Plant: 100 5/6/2026 4:05:50 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: 61038 (2)											
P1 BX3672-08BAVF-EB					BX BASE w/FLANGE 08W/08F/06EF F/n						
P3) CASTING (cast in) - 0 P2) 36" x 72" - BX FLAT LID 8inW w/24" FRAME CAST IN F/F - 8" P1) 36" x 72" - BX BASE w/FLANGE 08W/08F/06EF F/n - 52" 1) CASTING - HOE MCS-290 F/C Sanitary 1) This Structure Includes a Cast-in Item - HOE MCS-290 Frame (Supplied by iCast) 1) SPECIAL Internal Coating - Carboline 300M 1) SECONDARY POUR 1) 36" x 72" - Conseal CS-102 1.00" (Double) 2) Hole - 10 1) Hole - 8 116.67 SqFt) Carboline Bitumastic 300M [INT]					0 lb 2925 lb 12882 lb 241 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 16048 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 5,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. FLOOR GROUTING TO DRAIN PIPE BY OTHERS 5. SPECIAL INTERNAL COATING REQUIRED - CARBOLINE 300M 6. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 90° & 270° WALLS, 12" FROM TOP OF WALLS				
Rim: 972' Rim to Invert: 4.83' Slack: 0" Sump: 2" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	968.25'	0°	26"	6" DI	6.875"	Hole 10	10"	10"	13"	0"	
Invert 2	968.25'	180°	26"	6" DI	6.875"	Hole 10	10"	10"	13"	0"	
Invert 3	967.17'	180°	12"	4" DI	4.75"	Hole 8	8"	8"	0"	-14"	
Invert 4											

FIRST POUR (FLOOR):
4,296 LBS

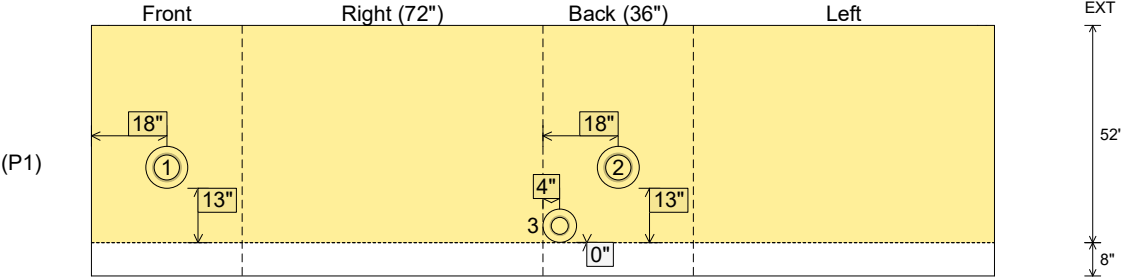
SECOND POUR (WALLS):
8,586 LBS



RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Carboline Bitumastic 300M Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 52" Height (Ext): 60"	Weight (Net): 12882 lb Volume (Net): 3.29cu.yd
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Job Number:

26-1038

Job Name:

Perryville & Junction City WW
Improvements

Structure:

61038 (2)

Note:

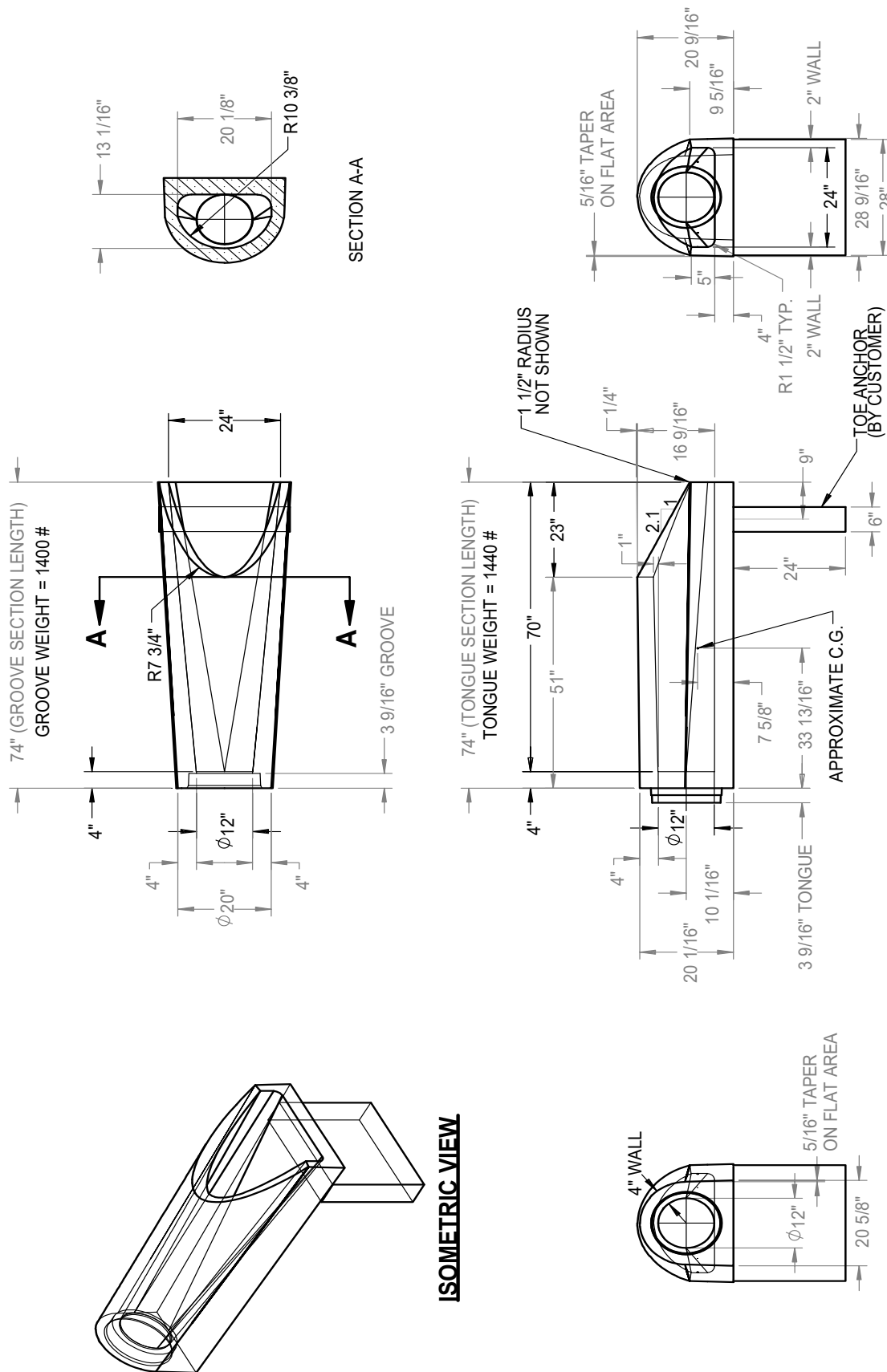
This Structure Is To Receive An
Internal Coating of Carboline 300M
(Supplied By iCast)



Structure ID: A1 FES

P1 FES12B

12" - FLARED END SECTION BELL (OUTLET) F/F



GENERAL NOTES:

1. FLARED END SECTION IS MANUFACTURED AND TESTED IN ACCORDANCE WITH ASTM C-76 OR ASTM C-655 AND AASHTO M-170 SPECIFICATIONS.
2. ALL PIPE JOINTS MEET C-443 AND C-361 SPECIFICATIONS.
3. INSTALL REINFORCED CONCRETE PIPE PER ASTM C-1479—STANDARD PRACTICE FOR INSTALLATION OF PRECAST CONCRETE PIPE.
4. FLARED END SECTION REINFORCING IS IN ACCORDANCE WITH ASTM C-76.
5. WEIGHT SHOWN IS CALCULATED USING 150 LBS. PER CUBIC FT. UNIT WEIGHT OF CONCRETE.

INFRASTRUCTURE PRECAST, INC.

INFRASTRUCTURE PRECAST, INC.
981 WEST 7TH ST., BEAVER DAM, KY. 42320
PHONE: (270) 363-2238, FAX: (270) 298-7424

DRAWING DATE: SEPTEMBER 2, 2022

DRAWING NAME: 12-FES-TYPE 2

SCALE: NTS

CATALOG I.D.: 12-RCP-FES

WEB ADDRESS: WWW.ICASTINC.COM

**12"Ø REINFORCED
CONCRETE FLARED
END SECTION
(TYPE 2)**





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18" - HW TDOT 6:1 Type U Cross Drain Endwall

SIDE ELEVATION



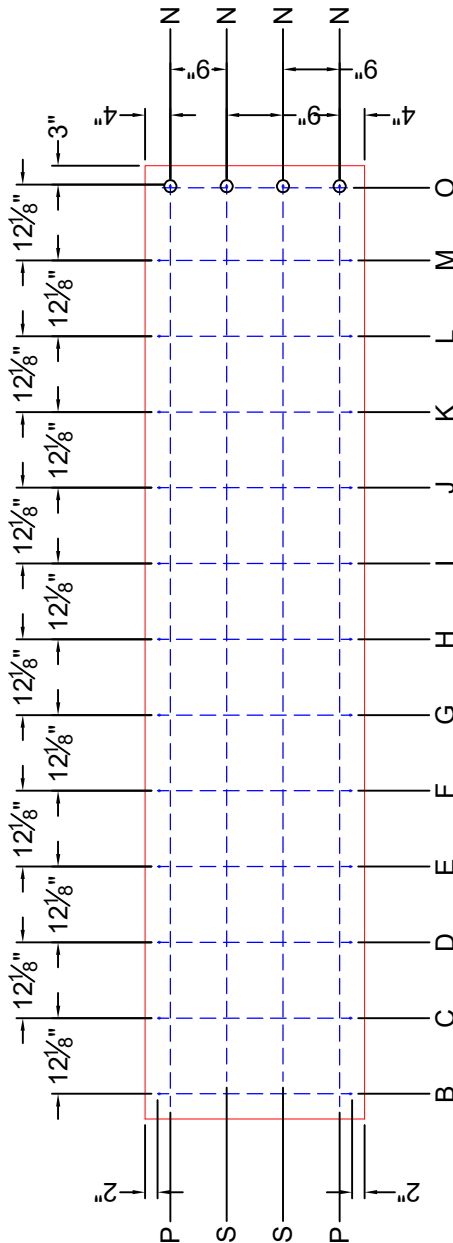
Structure ID: EW-17 508+50.00

P1 HWTDOT6-1TU18

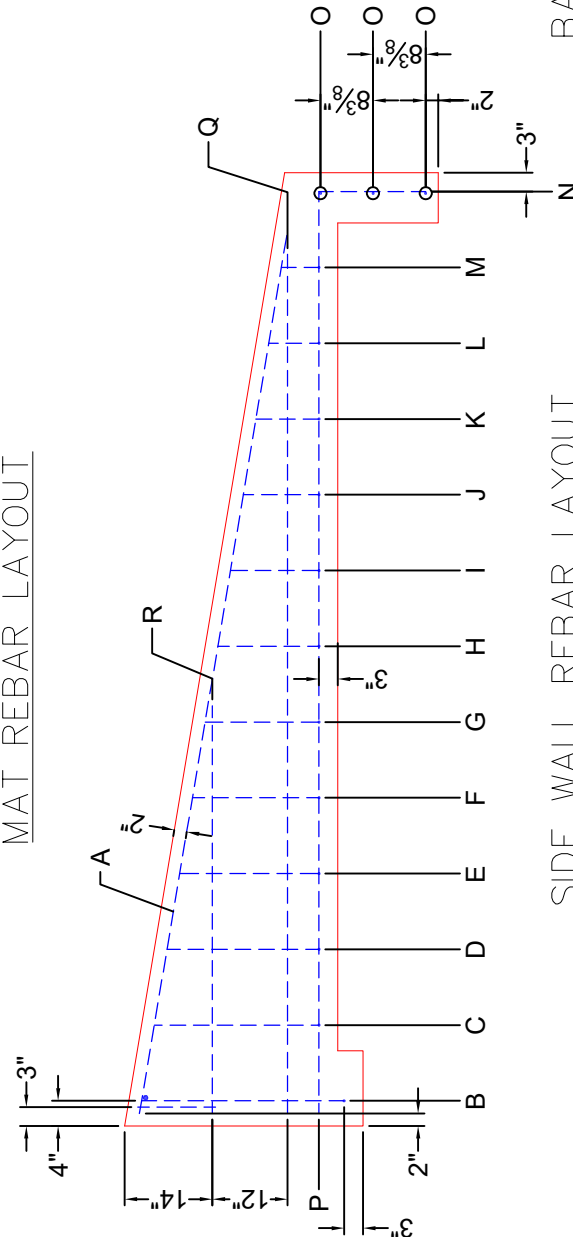
18" - HW TDOT 6:1 Type U Cross Drain Endwall

GENERAL NOTES:

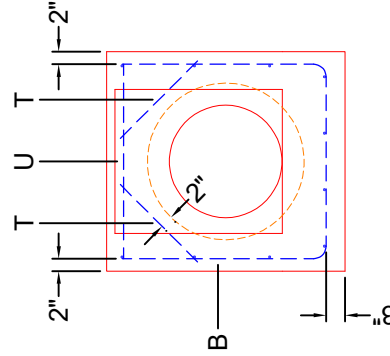
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. WEIGHT: 5,990 LBS
4. REINFORCING: SEE SHEETS 2 AND 3 FOR REINFORCEMENT INFORMATION. (GRADE 60) REFERENCE TDOT DWG D-PE-18B



MAT REBAR LAYOUT



SIDE WALL REBAR LAYOUT



BACK WALL REBAR LAYOUT



18" - HW TDOT 6:1 Type U Cross Drain Endwall

PART: Q
#4 REBAR GRADE 60
(2) REQUIRED

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

Plant: Beaver Dam
6/17/2026 2:56:32 PM

Tech: S. Felletter
PC: E. Bradley



Structure ID: 86 79-5 DBI10

P2 BX024030-08LD08-16x28

BX FLAT LID 8inW w/16"x28" HOLE F/F

P3) 16" x 28" - CASTING HEIGHT - 5"
P2) 24" x 30" - BX FLAT LID 8inW w/16"x28" HOLE F/F - 8"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht F/n - 47"
1) CASTING - HOE KY-550 F/G (DBI TY 10)
1) 24" x 30" - Conseal CS-102 1.00"
1) Hole - 24
2) Hole - 18

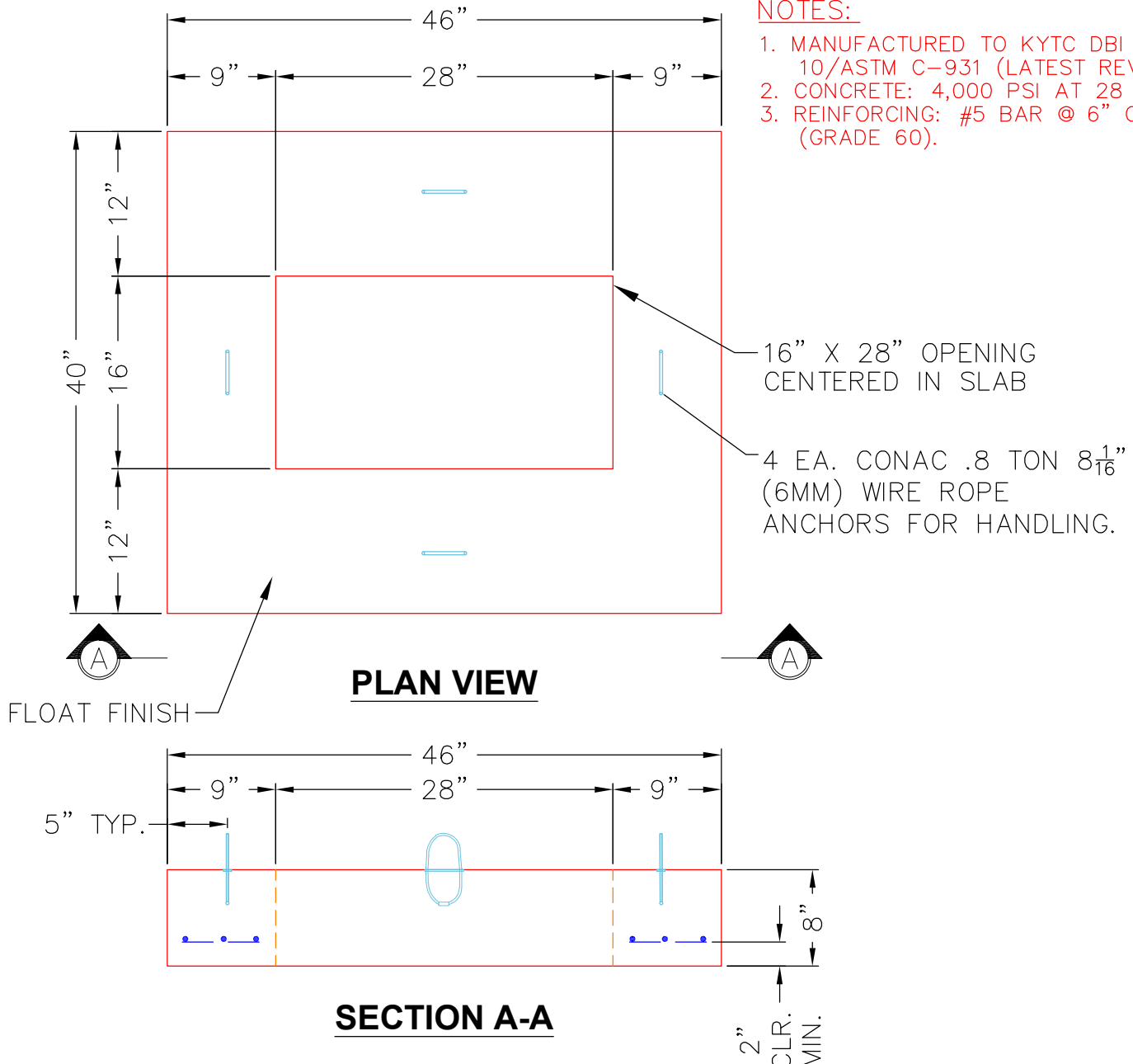
0 lb
934 lb
5083 lb
550 lb
0 lb
0 lb
0 lb

Structure Total: 6567 lb

Structure Notes:

1. KYTC DBI TYPE 10 / ASTM C-913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. NO STEPS.
5. CASTING BY ICAST (HOE KY-550 F/G).

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 934 lb
Volume (Net): 0.24cu.yd

Job Name: 25-2073 - Alcoa Outfall

Job Location: Newburgh, IN

Contractor: Bowen Engineering Corporation

Plant: 100

6/16/2026 2:36:25 PM

Tech: J. Horsley

PC: A. Chambers



Structure ID: MH 3

P1 BX084084-08RVF

BOX RISER 8inW, Variable Ht FB T/F

P5) 30" x 30" - CASTING HEIGHT - 4"

P4) 30" x 30" - GRADE RING F/F - 3"

P3) 84" x 84" - CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F - 8"

P2) 84" x 84" - BOX RISER 8inW, Variable Ht F/G - 61"

P1) 84" x 84" - BOX RISER 8inW, Variable Ht FB T/F - 96"

1) CASTING - HOE 468 F/G

2) 84" x 84" - Conseal CS-102 1.00"

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

2) DOGHOUSE - 48"x48"

1) SQ. Hole n/n - 68"x42"

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

0 lb

218 lb

6109 lb

15069 lb

19029 lb

489 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 40914 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,500 PSI AT 28 DAYS

3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

- ADDITIONAL REBAR REQUIRED AROUND OPENING FOR INVERT 3

4. STEPS AT 90 DEGREES

5. HOE 468 FRAME & GRATE SUPPLIED BY ICAST

6. LIFTERS: 4 EA. 5CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 0° & 180° WALLS, 24" FROM TOP OF WALLS

Rim: 396.08'

Rim to Invert: 14.02'

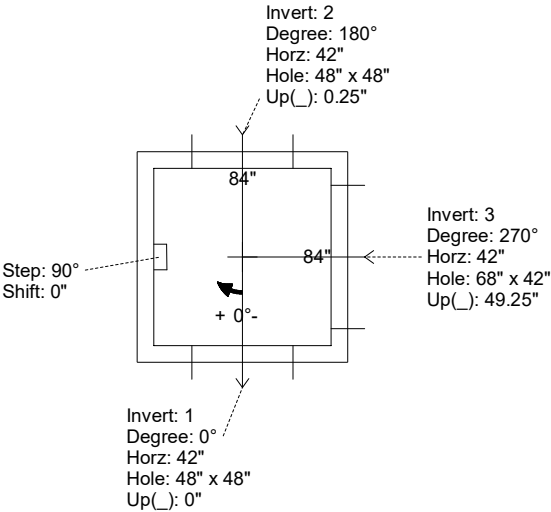
Slack: 0.24"

Sump: 4"

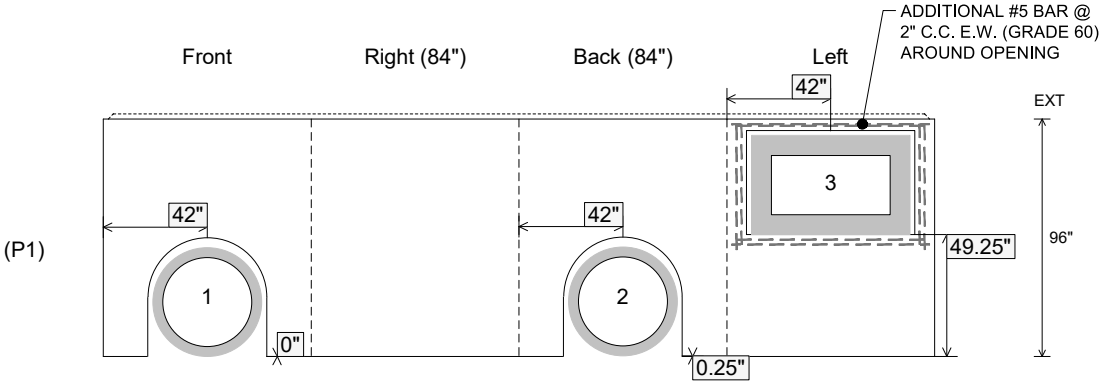
Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	382.06'	0°	50"	36" RCP B WALL	44"	DOGHOUSE 48"x48"	48" x 48"	48"	0"	0"
Invert 2	382.08'	180°	50"	36" RCP B WALL	44"	DOGHOUSE 48"x48"	48" x 48"	48"	0.25"	0"
Invert 3	386.5'	270°	50"	48" x 24" BOX CULV. (8W8F8T)	64" x 40"	SQ. Hole 68"x42"	68" x 42"	68"	49.25"	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: 8"

Floor Height: 0"

Height (Int): 96"

Height (Ext): 96"

Weight (Net): 19029 lb

Volume (Net): 4.86cu.yd

Job Name: 25-2073 - Alcoa Outfall

Job Location: Newburgh, IN

Contractor: Bowen Engineering Corporation

Plant: 100

6/16/2026 2:37:59 PM

Tech: J. Horsley

PC: A. Chambers



Structure ID: MH 3

P2 BX084084-08RVF

BOX RISER 8inW, Variable Ht F/G

P5) 30" x 30" - CASTING HEIGHT - 4"

P4) 30" x 30" - GRADE RING F/F - 3"

P3) 84" x 84" - CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F - 8"

P2) 84" x 84" - BOX RISER 8inW, Variable Ht F/G - 61"

P1) 84" x 84" - BOX RISER 8inW, Variable Ht FB T/F - 96"

1) CASTING - HOE 468 F/G

2) 84" x 84" - Conseal CS-102 1.00"

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

2) DOGHOUSE - 48"x48"

1) SQ. Hole n/n - 68"x42"

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

0 lb

218 lb

6109 lb

15069 lb

19029 lb

489 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 40914 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,500 PSI AT 28 DAYS

3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. STEPS AT 90 DEGREES

5. HOE 468 FRAME & GRATE SUPPLIED BY ICAST

6. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 0° & 180° WALLS, 18" FROM TOP OF WALLS

Rim: 396.08'

Rim to Invert: 14.02'

Slack: 0.236"

Sump: 3.996"

Step Position: 90°

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

(P5)

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

84"

84"

Step: 90°

Shift: 0"

+ 0°-

INSIDE WALL DIMENSIONS

Front

Right (84")

Back (84")

Left

EXT

61"

(P2)

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 8"

Floor Height: 0"

Height (Int): 61"

Height (Ext): 61"

Weight (Net): 15069 lb

Volume (Net): 3.85cu.yd

Job Name: 25-2073 - Alcoa Outfall
Job Location: Newburgh, IN
Contractor: Bowen Engineering Corporation

Plant: 100

6/16/2026 2:38:22 PM

Tech: J. Horsley

PC: A. Chambers



Structure ID: MH 3

P3 BX084084-08LD08-SP

CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F

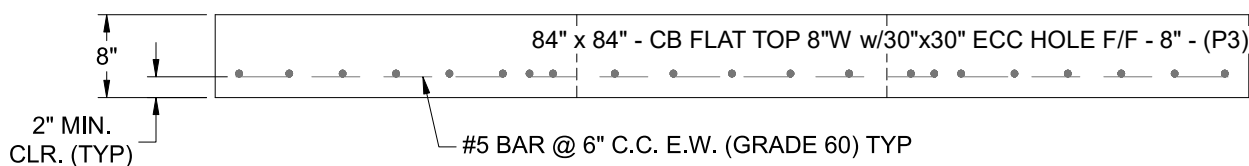
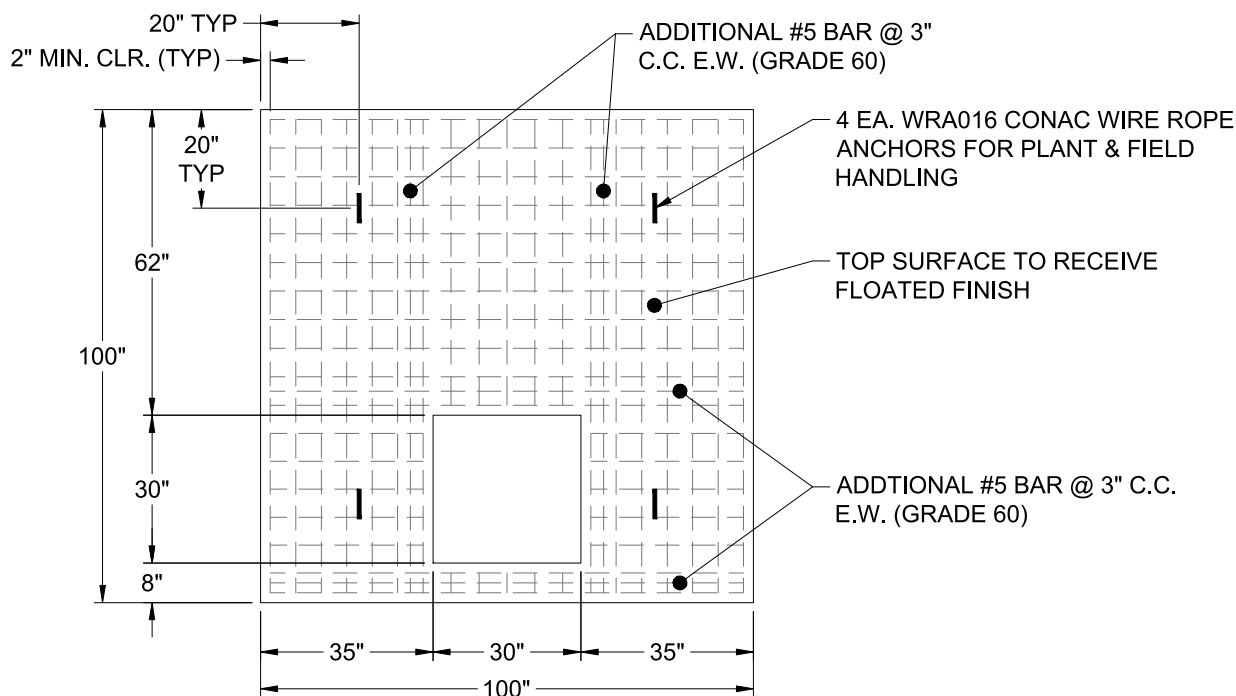
P5) 30" x 30" - CASTING HEIGHT - 4"
P4) 30" x 30" - GRADE RING F/F - 3"
P3) 84" x 84" - CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F - 8"
P2) 84" x 84" - BOX RISER 8inW, Variable Ht F/G - 61"
P1) 84" x 84" - BOX RISER 8inW, Variable Ht FB T/F - 96"
1) CASTING - HOE 468 F/G
2) 84" x 84" - Conseal CS-102 1.00"
1) 30" x 30" - Conseal CS-102 1.00"
2) DOGHOUSE - 48"x48"
1) SQ. Hole n/n - 68"x42"
13) MH Step ML-10-TDS-NCR - 10"

0 lb
218 lb
6109 lb
15069 lb
19029 lb
489 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 40914 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- ADDITIONAL #5 BAR @ 3" C.C. E.W. (GRADE 60) AROUND 30" X 30" OPENING REQUIRED
4. HOE 468 FRAME & GRATE SUPPLIED BY ICAST
5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 6109 lb
Volume (Net): 1.56cu.yd

Job Name: 25-2073 - Alcoa Outfall
Job Location: Newburgh, IN
Contractor: Bowen Engineering Corporation

Plant: 100

Tech: J. Horsley

6/16/2026 2:38:19 PM

PC: A. Chambers



Structure ID: MH 2

P3 BX084084-08LD08-SP

CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F

- P5) 30" x 30" - CASTING HEIGHT - 4"
P4) 30" x 30" - GRADE RING F/F - 3"
P3) 84" x 84" - CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F - 8"
P2) 84" x 84" - BOX RISER 8inW, Variable Ht F/G - 16"
P1) 84" x 84" - BOX BASE 8inW, 8inF, Variable Ht T/n - 82"
1) CASTING - HOE 468 F/G
1) SECONDARY POUR
2) 84" x 84" - Conseal CS-102 1.00"
1) SQ. Hole n/n - 72"x42"
1) SQ. Hole n/n - 68"x42"
7) MH Step ML-10-TDS-NCR - 10"

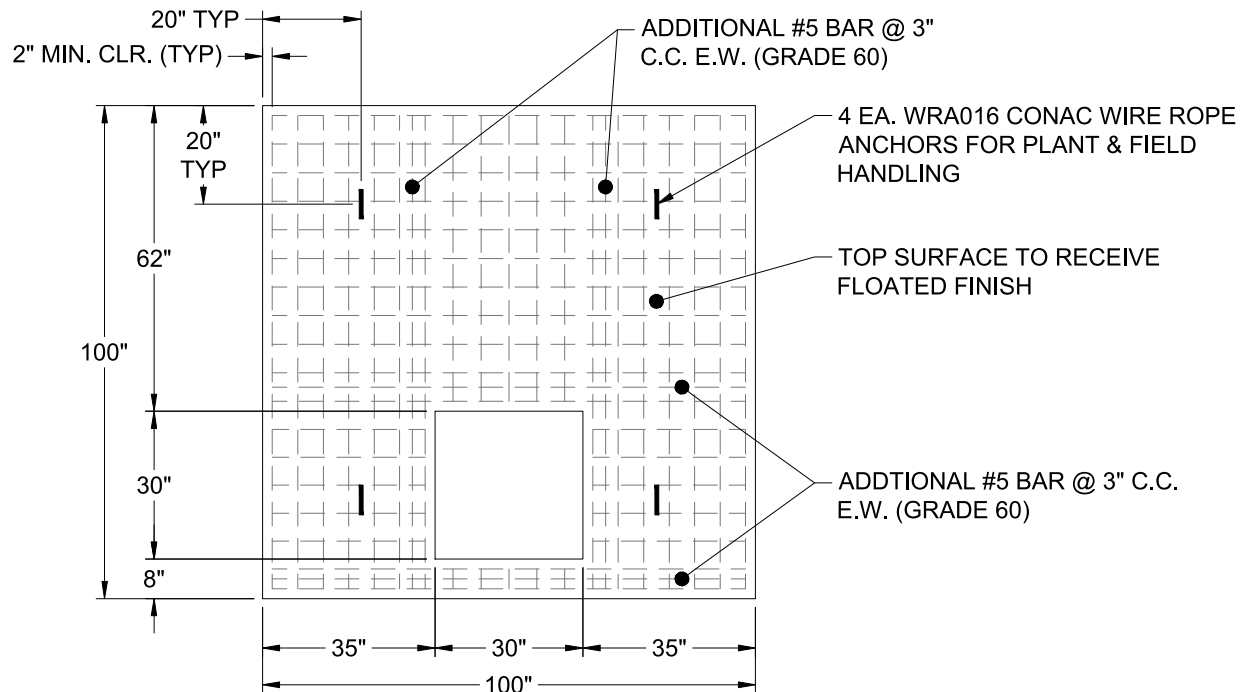
0 lb
218 lb
6109 lb
3953 lb
23023 lb
489 lb
0 lb
0 lb
0 lb
0 lb
0 lb

33791 lb

Structure Total:

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- ADDITIONAL #5 BAR @ 3" C.C. E.W. (GRADE 60) AROUND 30" X 30" OPENING REQUIRED
4. HOE 468 FRAME & GRATE SUPPLIED BY ICAST
5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 6109 lb
Volume (Net): 1.56cu.yd



1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE MCS-290 FRAME & COVER "SANITARY"
SUPPLIED BY ICAST - FRAME TO BE CAST INTO
FLAT LID FLANGE SIDE UP
5. 4" VENT PIPE SUPPLIED BY OTHERS
6. SPECIAL INTERNAL COATING REQUIRED -
CARBOLINE 300M
7. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR
PLANT & FIELD HANDLING - INSTALLED AS SHOWN
8. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH

Weight (Net): 2925 lb
Volume (Net): 0.75cu.yd

Job Number:

26-1038

Job Name:

Perryville & Junction City WW
Improvements

Structure:

61038 (2)

Note:

HOE MCS-290 Frame Supplied By
iCast To Be Cast Into Flat Lid Flange
Side Up

Job Number:

26-1038

Job Name:

Perryville & Junction City WW
Improvements

Structure:

61038 (2)

Note:

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