

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

P3 MH144RS78

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

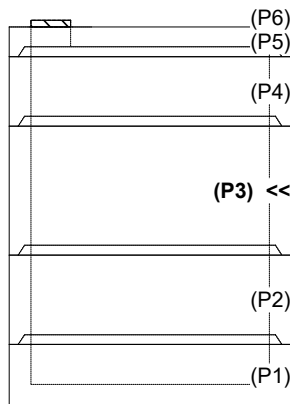
Structure Total: 152807 lb

- 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.

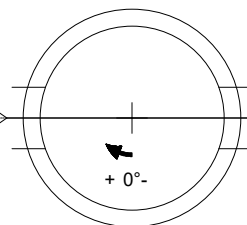
Rim: 1019.03' Rim to Invert: 9.83' Slack: 5.996" Sump: 108.036" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1009.2'	270°	400.553"	36" RCP B WALL	44"	Hole 48	48"	48.937"	18.036"	0"
Invert 2	1009.2'	90°	133.518"	36" RCP B WALL	44"	Hole 48	48"	48.937"	18.036"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

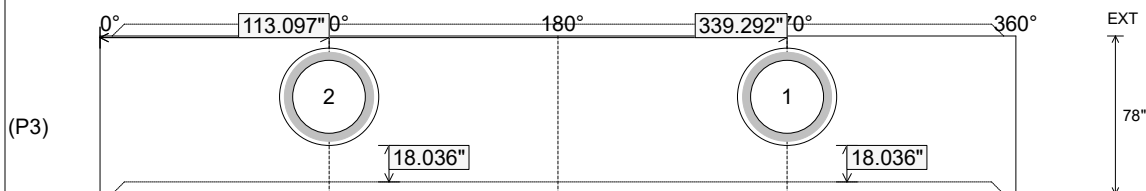


Invert: 2
Degree: 90°
Horz: 113.097"
Hole: 48"
Up(): 18.036"



Invert: 1
Degree: 270°
Horz: 339.292"
Hole: 48"
Up(): 18.036"

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 13"
Floor Height: 0"

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

Weight (Net): 37954 lb
Volume (Net): 9.69cu.yd

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

Plant: 100

6/4/2026 4:39:09 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: 11 ST-CI

P2 MH048LD12-24X36RECT

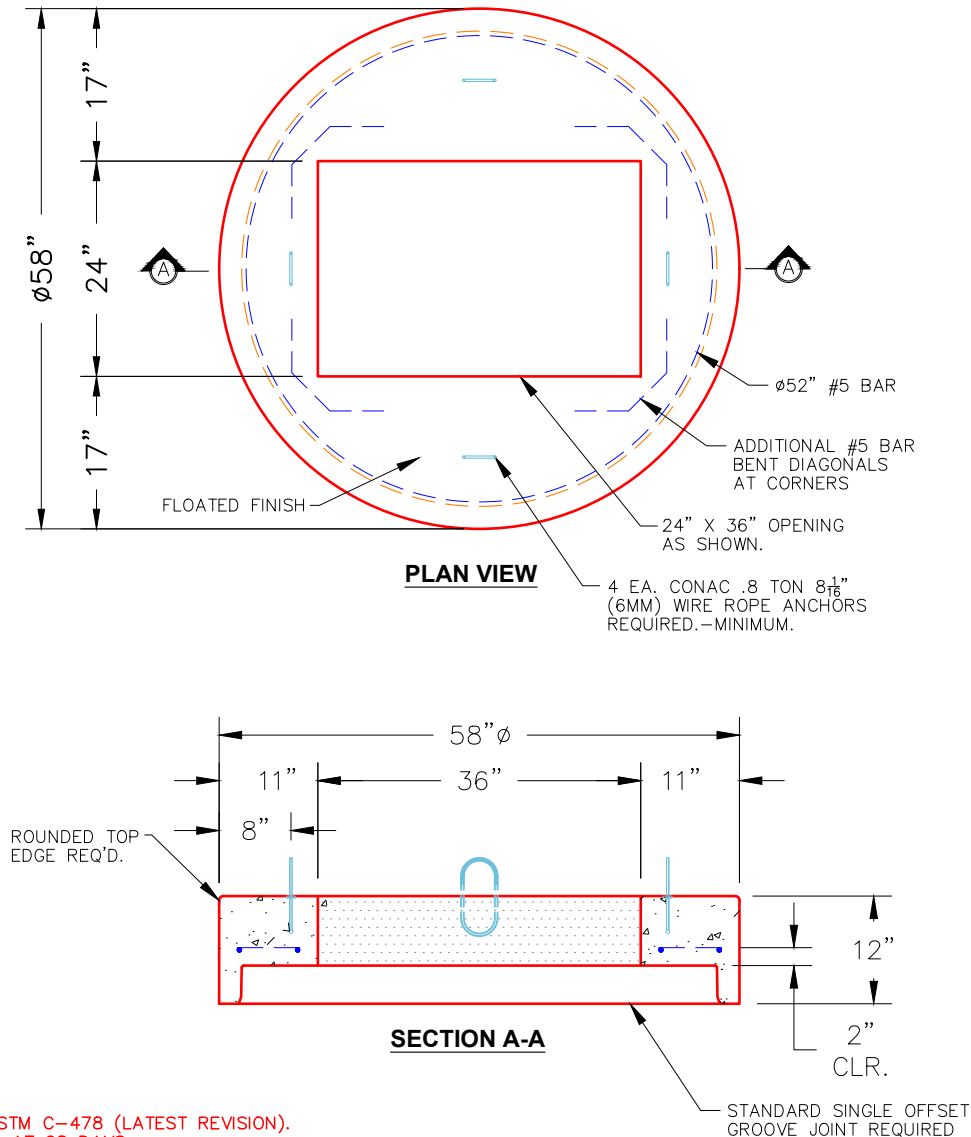
MH FLAT TOP w/24"x36" Hole F/G

- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
P1) 48" - MH BASE T/n - 42"
1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
1) 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 22"

Structure Total: 5842 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).
 5. CITY OF BGKY-CBI TYPE F.
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1300 lb
Volume (Net): 0.46cu.yd

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

Plant: 100

6/4/2026 4:39:08 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: 10 ST-CI

P2 MH048LD12-24X36RECT

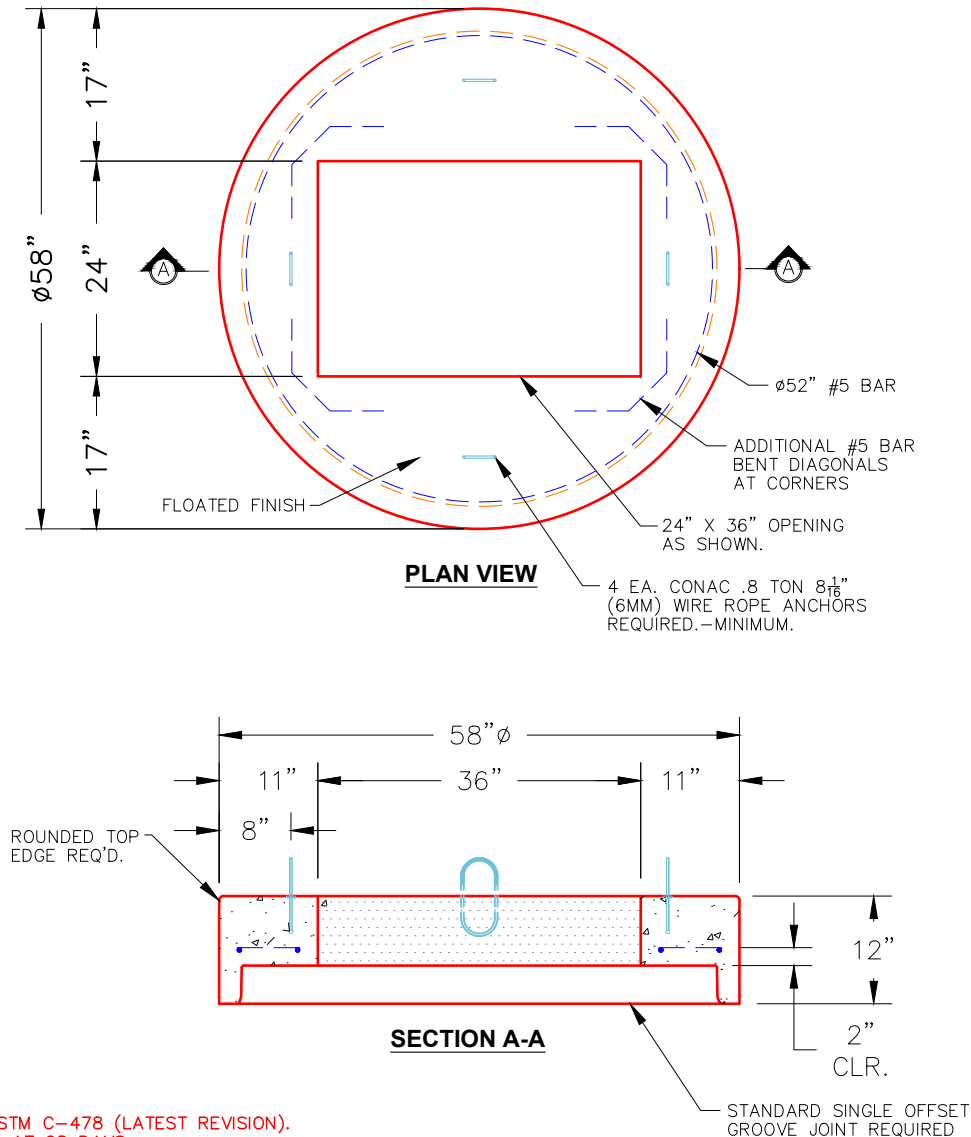
MH FLAT TOP w/24"x36" Hole F/G

- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
P1) 48" - MH BASE T/n - 42"
1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
1) 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 22"

Structure Total: 5842 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).
 5. CITY OF BGKY-CBI TYPE F.
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1300 lb
Volume (Net): 0.46cu.yd

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

Plant: 100

6/4/2026 4:39:07 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: 8 ST-CI

P2 MH048LD12-24X36RECT

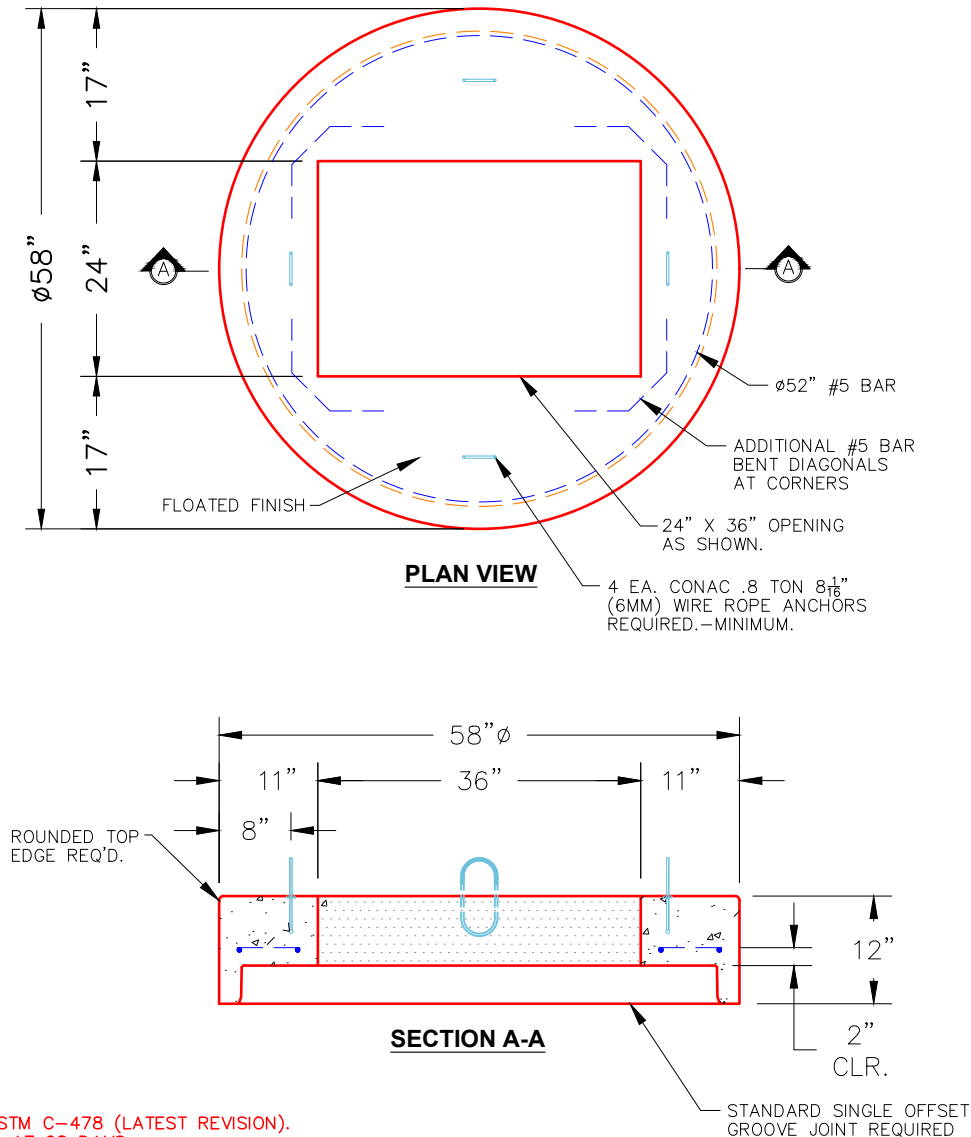
MH FLAT TOP w/24"x36" Hole F/G

- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
P1) 48" - MH BASE T/n - 42"
1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
1) 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 22"

Structure Total: 5677 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).
 5. CITY OF BGKY-CBI TYPE F.
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1300 lb
Volume (Net): 0.46cu.yd

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

Plant: 100

6/4/2026 4:39:06 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: 4 ST-CI

P2 MH048LD12-24X36RECT

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

- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 38"
1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
1) 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
3) Hole - 22

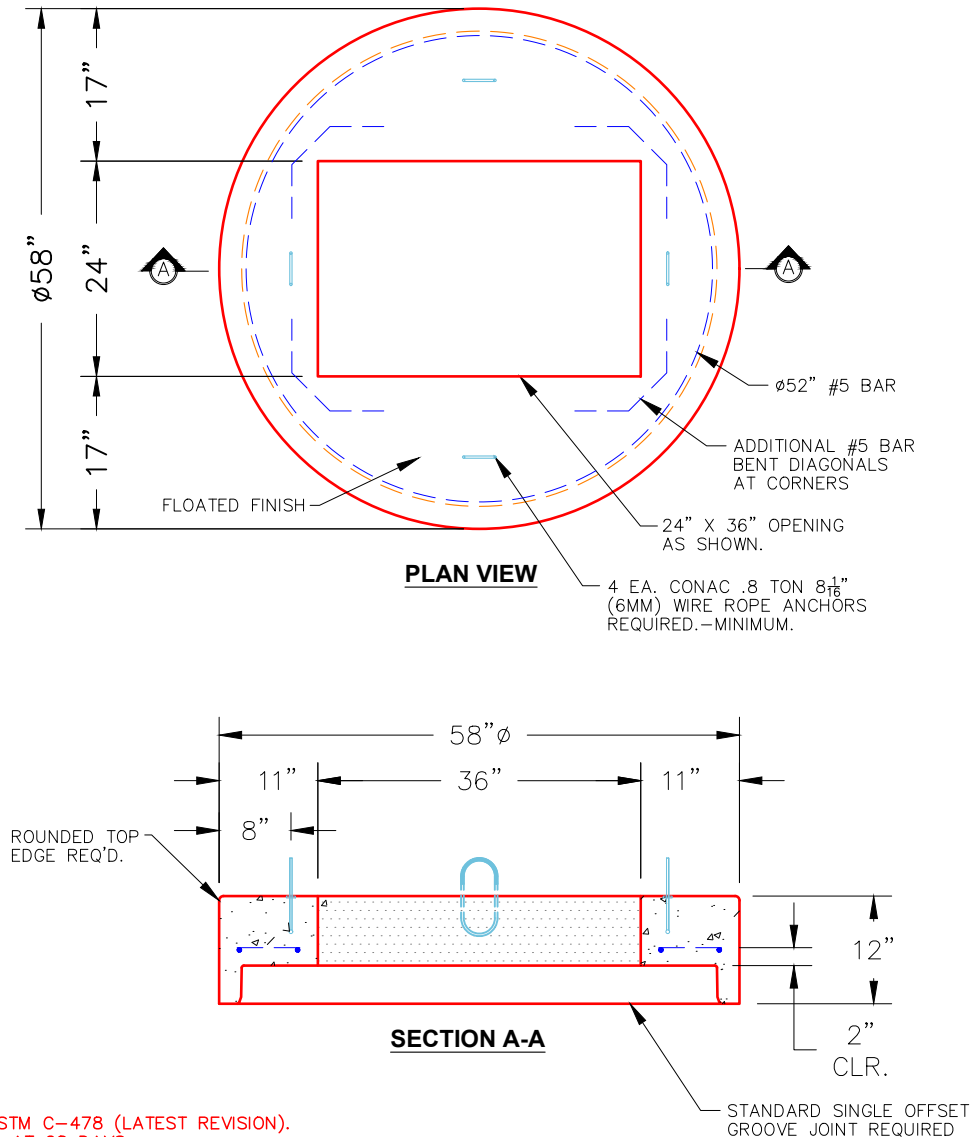
Structure Total:

0 lb
1300 lb
3491 lb
442 lb
0 lb
0 lb
0 lb

5233 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).
 5. CITY OF BGKY-CBI TYPE F.
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1300 lb
Volume (Net): 0.46cu.yd

Job Name: 24-1632 - KYTC Letting Call 100 (241306) Sanitary

Job Location: Jackson, KY 41339

Contractor: Triton Construction, Inc.

Plant: Beaver Dam, KY

1/23/2026 8:01:33 AM

Tech: K. Cardwell

PC: C. Goff

Structure ID: MH-K108

P1 MH048BAEVFx

MH BASE EF/Xypex Cust. Ht. 08"F (08"EF =74"OD) 18"

P4) 24" - CASTING HEIGHT - 7"

P3) 48" - ECC XYPEX CONE w/ 24" HOLE F/G - 42"

P2) 48" - MH RISER w/XYPEX SPECIAL T/G - 60"

P1) 48" - MH BASE EF/Xypex Cust. Ht. 08"F (08"EF =74"OD) T/n - 18"

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

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

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

1) ADMIXTURE XYPEX C-500 NF RED

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

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

3) PSX - 12-08 NYLO

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

0 lb

3116 lb

4144 lb

4049 lb

0 lb

0 lb

1440 lb

0 lb

305 lb

0 lb

24 lb

0 lb

Structure Total: 13078 lb

Structure Notes:

STATION: 558+15.25

1. PER KYTC & ASTM C-478 SPECIFICATIONS

2. CONCRETE: 5,000 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. INVERT CHANNEL REQUIRED

5. XYPEX ADMIXTURE REQUIRED

6. STEPS AT 0 DEGREES

7. HOE MC-350 FRAME & COVER "SANITARY"

SUPPLIED BY ICAST

Rim: 744.25' Rim to Invert: 10.43' Slack: 0.16" Sump: 2" Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	733.82'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	733.92'	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: 8"

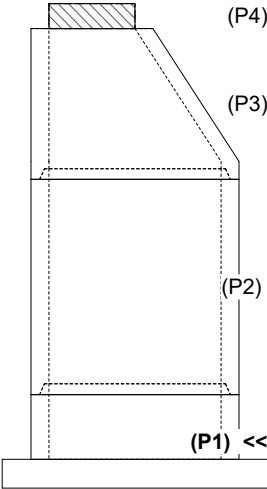
Height (Int): 18"

Height (Ext): 26"

Weight (Net): 4049 lb

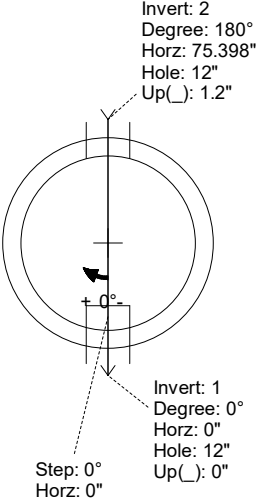
Volume (Net): 1.03cu.yd

Job Name: 24-1632 - KYTC Letting Call 100 (241306) Sanitary Job Location: Jackson, KY 41339 Contractor: Triton Construction, Inc.				Plant: Beaver Dam, KY 1/23/2026 8:01:33 AM		Tech: K. Cardwell PC: C. Goff				
Structure ID: MH-K108										
P1 MH048BAEVF _x				MH BASE EF/Xypex Cust. Ht. 08"F (08"EF =74"OD) 18"						
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC XYPEX CONE w/ 24" HOLE F/G - 42" P2) 48" - MH RISER w/XYPEX SPECIAL T/G - 60" P1) 48" - MH BASE EF/Xypex Cust. Ht. 08"F (08"EF =74"OD) T/n - 18" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) ADMIXTURE XYPEX C-500 NF RED 1) CASTING - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 10) MH Step ML-10-TDS-NCR - 10"				0 lb 3116 lb 4144 lb 4049 lb 0 lb 0 lb 1440 lb 0 lb 305 lb 0 lb 24 lb 0 lb ----- 13078 lb		Structure Notes: STATION: 558+15.25 1. PER KYTC & ASTM C-478 SPECIFICATIONS 2. CONCRETE: 5,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. XYPEX ADMIXTURE REQUIRED 6. STEPS AT 0 DEGREES 7. HOE MC-350 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Rim: 744.25' Rim to Invert: 10.43' Slack: 0.16" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	733.82'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	733.92'	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										



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

RIGHT-SIDE UP VIEW (int. dimensions)



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

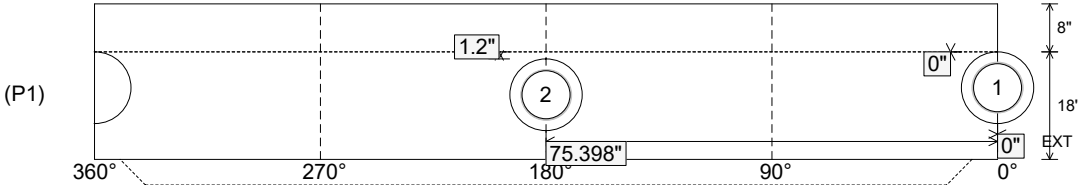
Invert: 1
Degree: 0°
Horz: 0"
Hole: 12"
Up(): 0"

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

**INVERT CHANNEL
DRAWING**

INSIDE WALL DIMENSIONS



(P1)

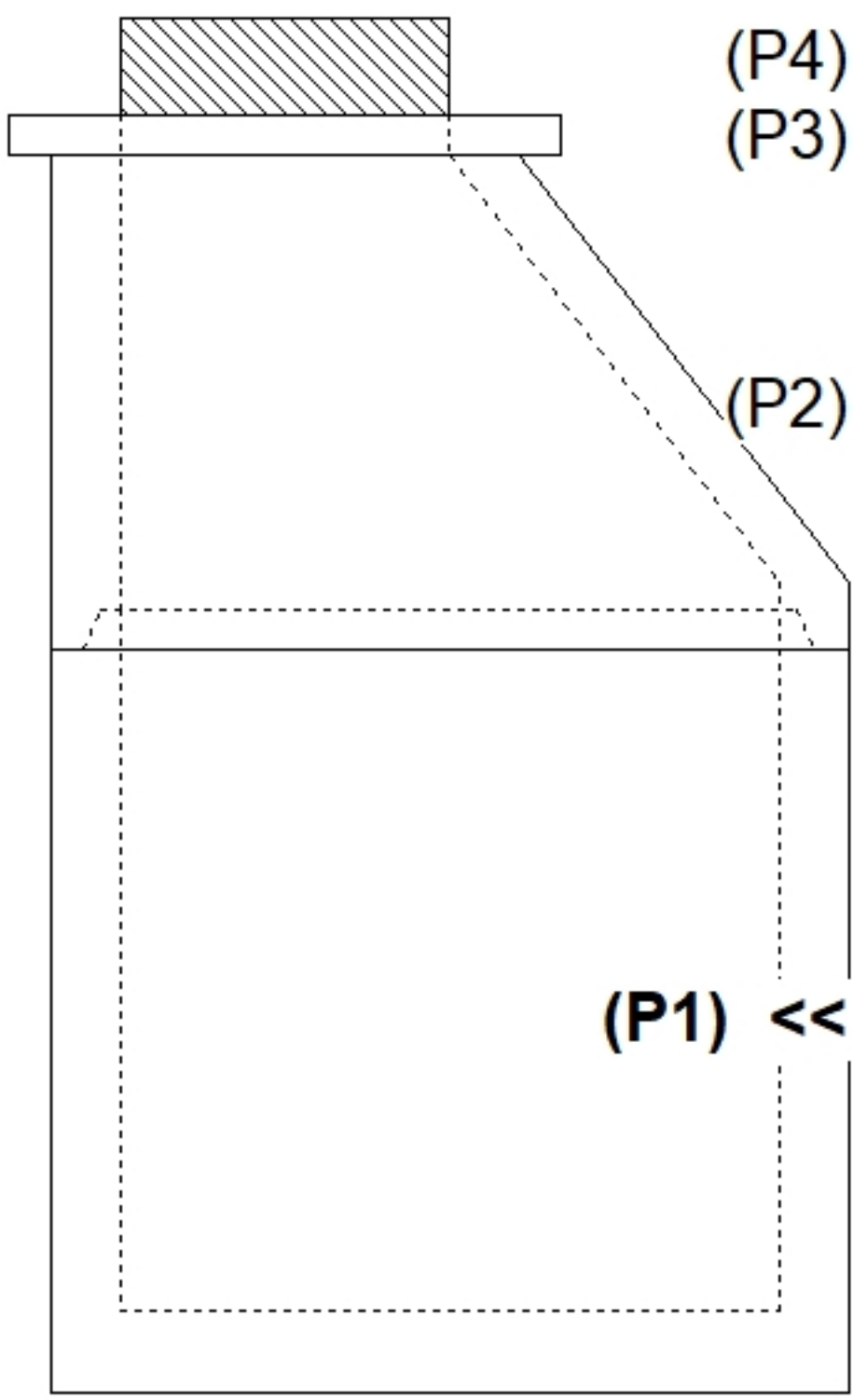
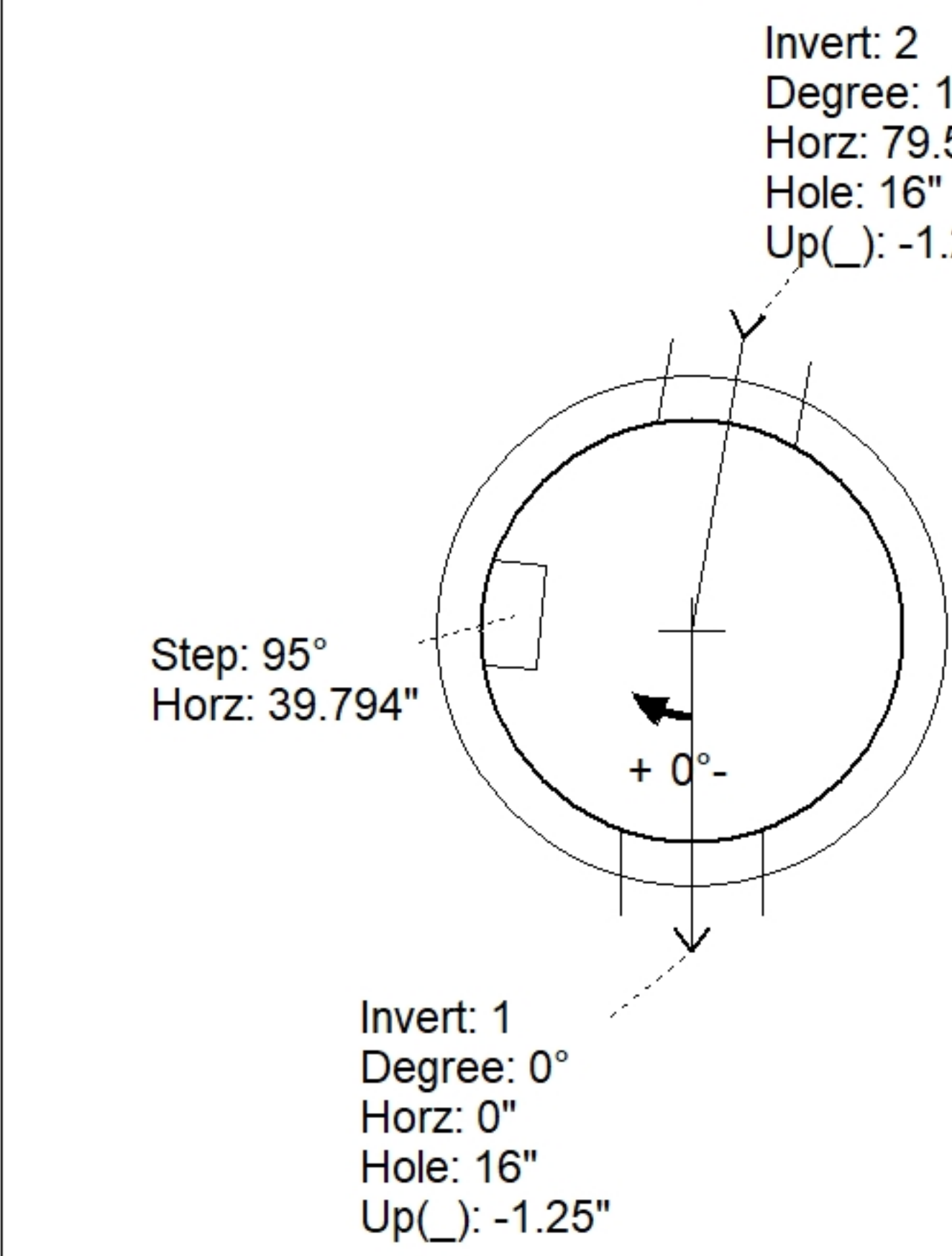
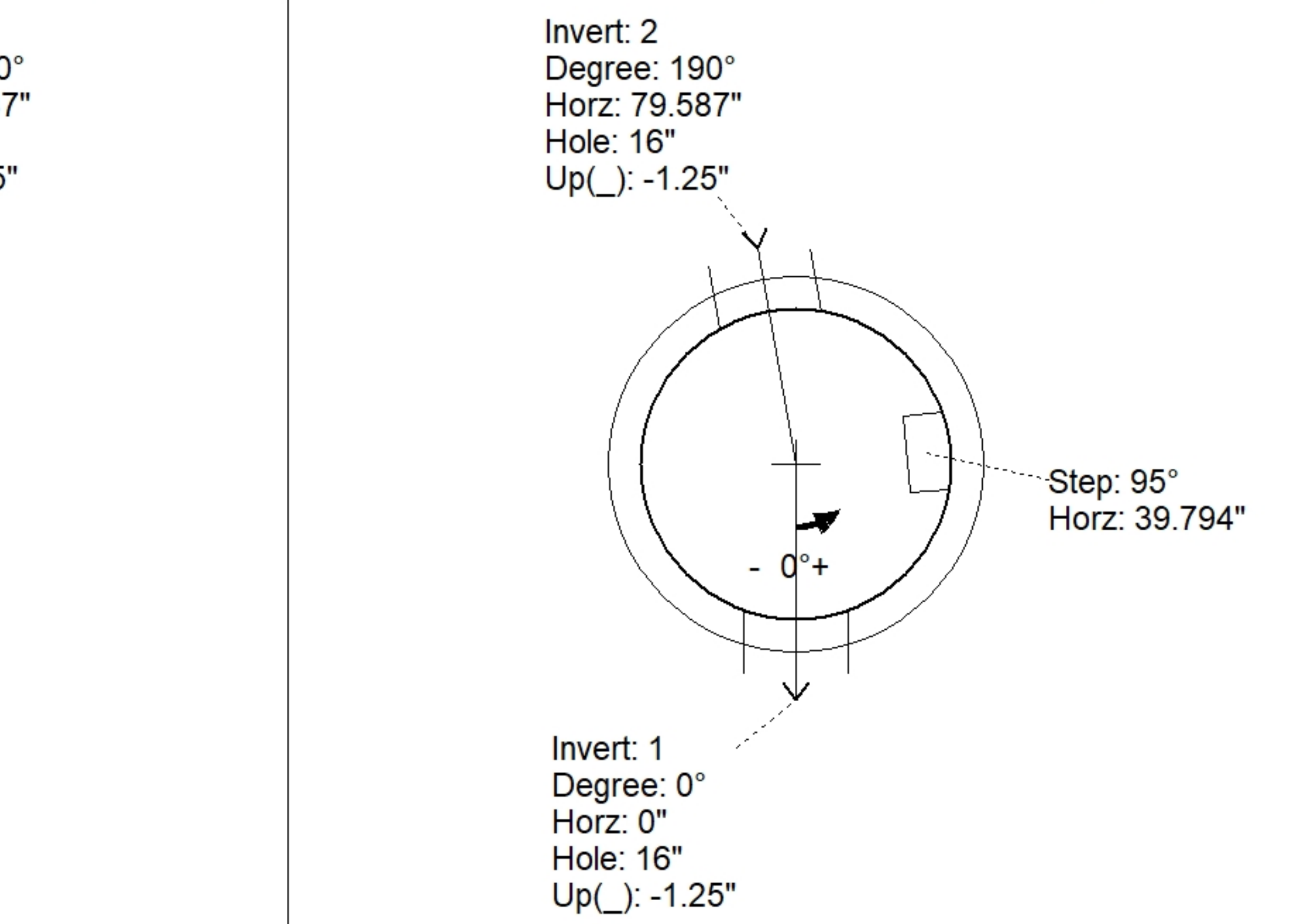
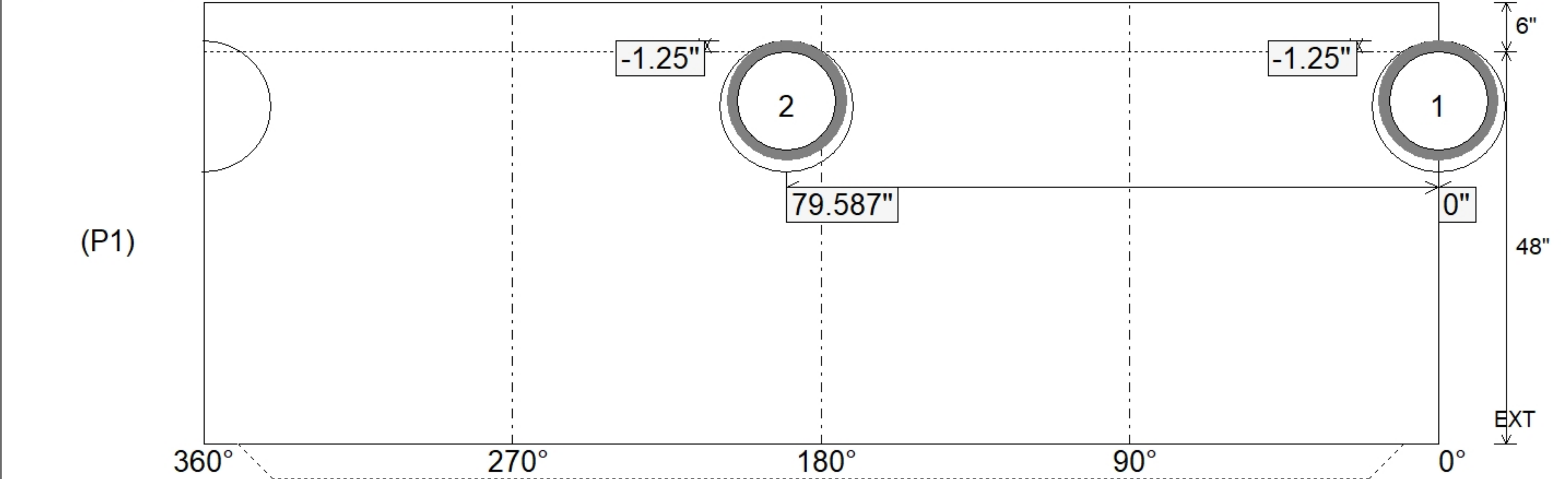
360° 270° 180° 90° 0°

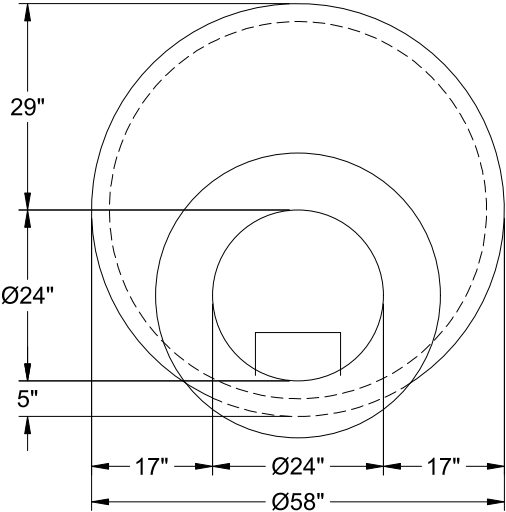
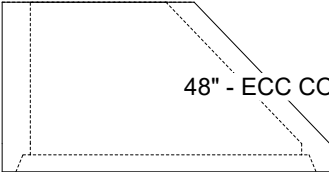
1.2" 0" 0" 0"

75.398"

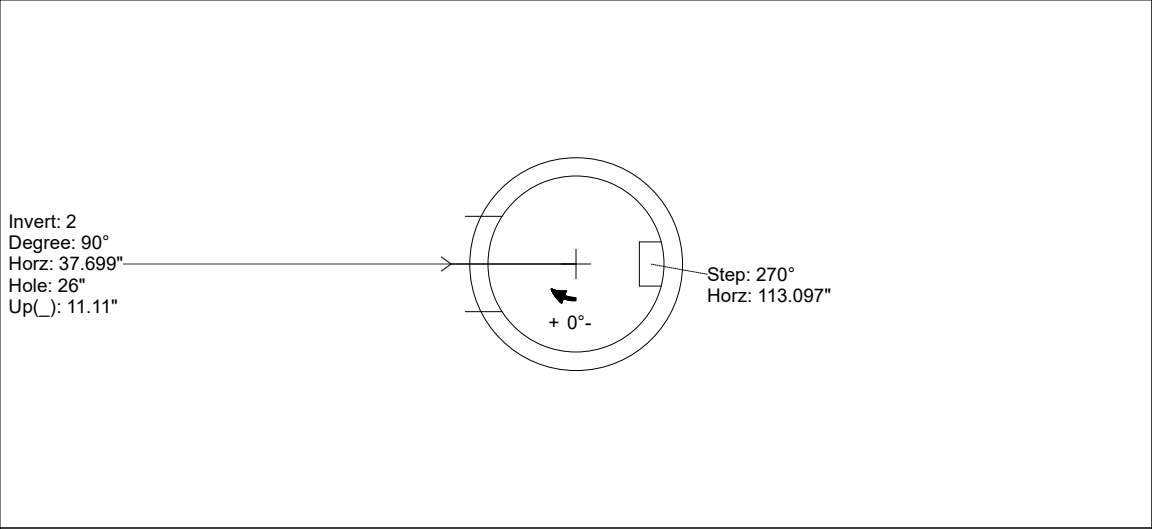
8" 18" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 18" Height (Ext): 26"	Weight (Net): 4049 lb Volume (Net): 1.03cu.yd
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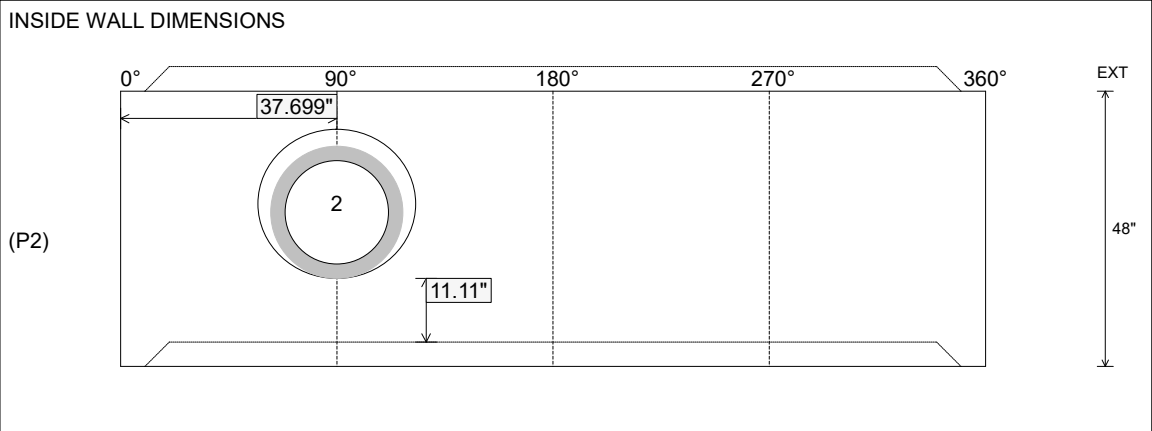
Job Name: 26-1279 Hilltopper Hall Ph. 2 Job Location: Bowling Green, KY Contractor: Stewart Richey					Plant: Beaver Dam 6/24/2026 8:45:22 AM		Tech: S. Felletter PC: M. Sullivan						
Structure ID: 6-3 ST-MH													
P1			MH048BA48			MH BASE T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 3" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE T/n - 48" 1) CASTING - HOE MCB-315-B Fr./Bar Grate 1) 48" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 2) Hole - 16 7) MH Step ML-10-TDS-NCR - 10"						0 lb 202 lb 3000 lb 4512 lb 255 lb 0 lb 0 lb 0 lb 0 lb ----- 7969 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,500 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE MCB-315-B). 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: 544'		Rim to Invert: 7.86'		Slack: 0.32"		Sump: 0"		Step Position: 95°					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1	536.14'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"			
Invert 2	536.14'	190°	96.168"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"			
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
 (P1) << RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimenions)  INSIDE WALL DIMENSIONS 													
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 48" Height (Ext): 54"		Weight (Net): 4512 lb Volume (Net): 1.15cu.yd				

Job Name: 26-2441 - Rock Quarry Rd - US 27 Sewer Job Location: Somerset, KY 42501 Contractor: City of Somerset Wastewater		Plant: 100 6/21/2026 2:42:50 PM	Tech: J. Horsley PC: J. Jarvis	
Structure ID: RQ1 SS-MH P2 MH048CN30		ECC CONE w/ 24" HOLE F/G		
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10"		0 lb 2050 lb 2911 lb 1440 lb 0 lb 0 lb 258 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 6675 lb	Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS REQUIRED 5. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST	
				
 48" - ECC CONE w/ 24" HOLE F/G - 30" - (P2)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 30"	Weight (Net): 2050 lb Volume (Net): 0.41cu.yd

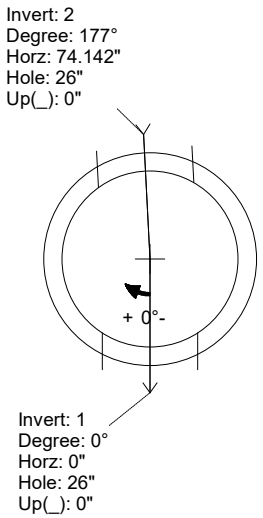
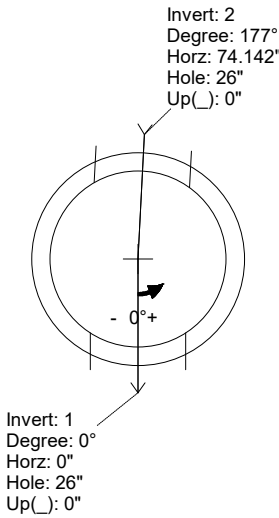
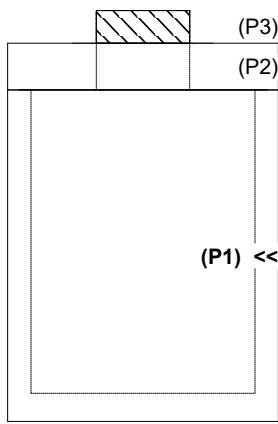
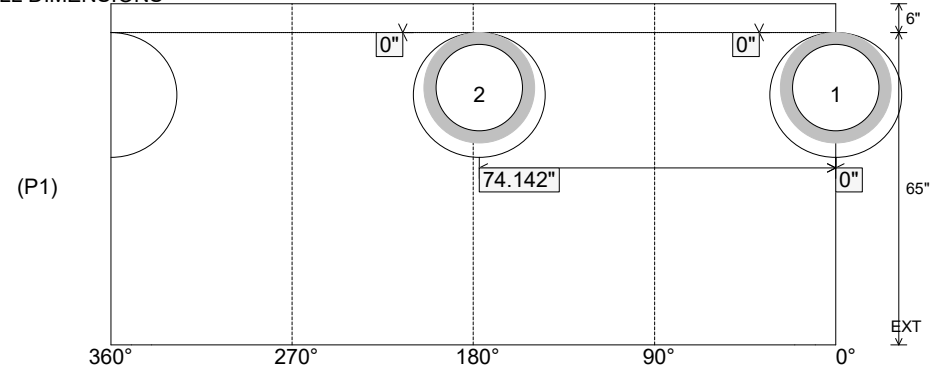
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC				Plant: Beaver Dam 6/9/2026 10:46:22 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R15										
P2		MH048RS48S		MH RISER SPECIAL T/G						
P4) 28" x 28" - CASTING HEIGHT - 5" P3) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12" P2) 48" - MH RISER SPECIAL T/G - 48" P1) 48" - MH BASE T/n - 30" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 2) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 3) Hole - 26 6) MH Step ML-10-TDS-NCR - 10"						0 lb 1368 lb 3120 lb 2960 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Structure Total:						8773 lb				
Rim: 576.81' Rim to Invert: 7.74' Slack: 0.38' Sump: 2.5' Step Position: 270°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	572.85'	90°	45.553"	18" RCP B WALL	23"	Hole 26	26"	27.476"	11.11"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

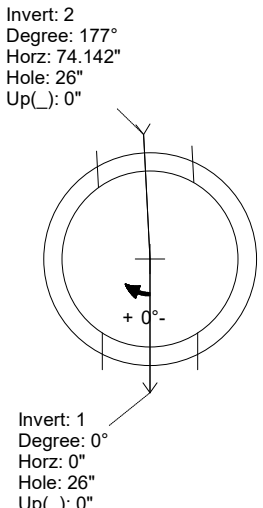


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 48" Height (Ext): 48"	Weight (Net): 3120 lb Volume (Net): 0.8cu.yd
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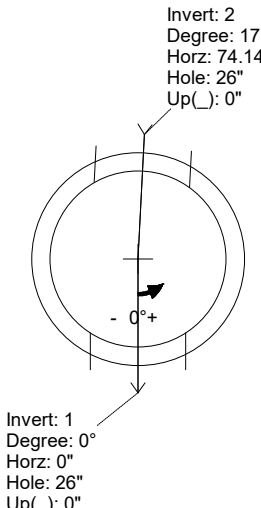
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:54 AM		Tech: S. Felletter PC: Erica Bradley										
Structure ID: R5A																	
P1 MH048BAVF		MH BASE Custom Ht F/n															
P3) 20" x 34" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP - TDOT NO 10 (20"x34" Hole) F/F - 10" P1) 48" - MH BASE Custom Ht F/n - 65" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3123 MODIFIED SET 1) 48" - SGL 1"x14.5' Butyl (2x) 2) Hole - 26"						0 lb 1646 lb 5405 lb 1075 lb 250 lb 0 lb 0 lb ----- Structure Total: 8376 lb		Structure Notes: 1. PER TDOT D-CB-10RA / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (JBS-3123 MOD SET). REINFORCING PER ASTM A615 (GRADE 60). ** PER TDOT STD DRAWING D-CB-10RA ** - TOP SLAB - DBL MAT #5 BARS. - RISER (As .24) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.									
Rim: 570.3'		Rim to Invert: 6.63'		Slack: 0.06"		Sump: 2.5"		Step Position:									
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset							
Invert 1	563.67'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"							
Invert 2	563.67'	177°	89.588"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"							
Invert 3																	
Invert 4																	
Invert 5																	
Invert 6																	
Invert 7																	
Invert 8																	
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions)   INSIDE WALL DIMENSIONS  <table><tr><td colspan="2">Coating (Int): Coating (Ext):</td><td>Seam Up: Flat Seam Dn: n/a</td><td>Wall Thickness: 5" Floor Height: 6"</td><td>Height (Int): 65" Height (Ext): 71"</td><td>Weight (Net): 5405 lb Volume (Net): 1.38cu.yd</td></tr></table>												Coating (Int): Coating (Ext):		Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 65" Height (Ext): 71"	Weight (Net): 5405 lb Volume (Net): 1.38cu.yd
Coating (Int): Coating (Ext):		Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 65" Height (Ext): 71"	Weight (Net): 5405 lb Volume (Net): 1.38cu.yd												

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:54 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R5A											
P1 MH048BAVF		MH BASE Custom Ht F/n									
P3) 20" x 34" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP - TDOT NO 10 (20"x34" Hole) F/F - 10" P1) 48" - MH BASE Custom Ht F/n - 65" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3123 MODIFIED SET 1) 48" - SGL 1"x14.5' Butyl (2x) 2) Hole - 26					0 lb 1646 lb 5405 lb 1075 lb 250 lb 0 lb 0 lb ----- Structure Total: 8376 lb		Structure Notes: 1. PER TDOT D-CB-10RA / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (JBS-3123 MOD SET). REINFORCING PER ASTM A615 (GRADE 60). ** PER TDOT STD DRAWING D-CB-10RA ** - TOP SLAB - DBL MAT #5 BARS. - RISER (As .24) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.				
Invert channel drawing 1/4 Height storm invert											
Rim: 570.3' Rim to Invert: 6.63' Slack: 0.06" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	563.67'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	563.67'	177°	89.588"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

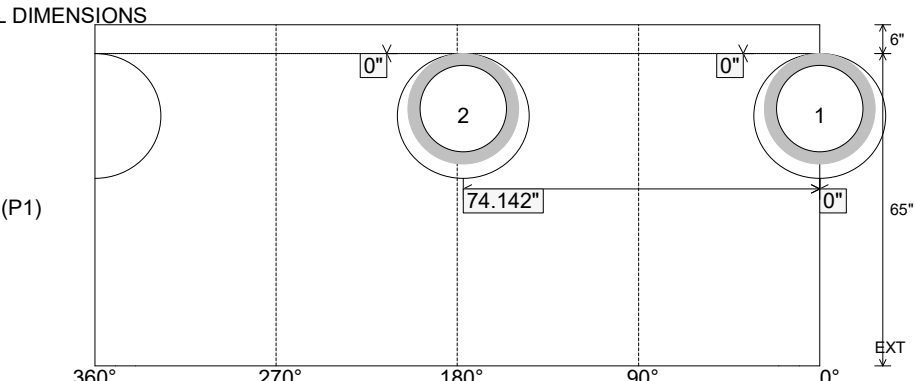
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

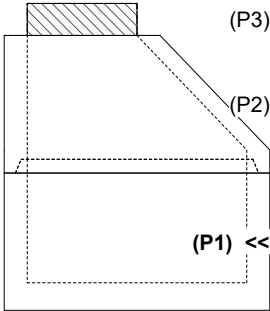


INSIDE WALL DIMENSIONS

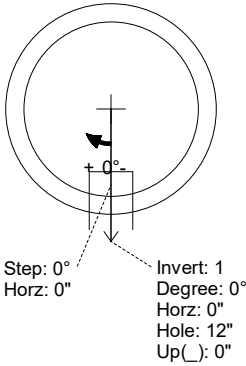


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 65" Height (Ext): 71"	Weight (Net): 5405 lb Volume (Net): 1.38cu.yd
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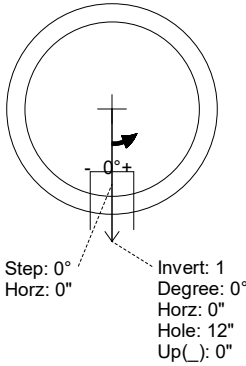
Job Name: 26-2441 - Rock Quarry Rd - US 27 Sewer Job Location: Somerset, KY 42501 Contractor: City of Somerset Wastewater					Plant: 100 6/21/2026 2:42:33 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: RQ2 SS-MH											
P1		MH048BA24		MH BASE T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10"					0 lb 2050 lb 2959 lb 1440 lb 0 lb 0 lb 258 lb 0 lb 0 lb 8 lb 0 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Rim: 1048.33' Rim to Invert: 5' Slack: 1" Sump: 2" Step Position: 0°					Structure Total: 6715 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1043.33'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



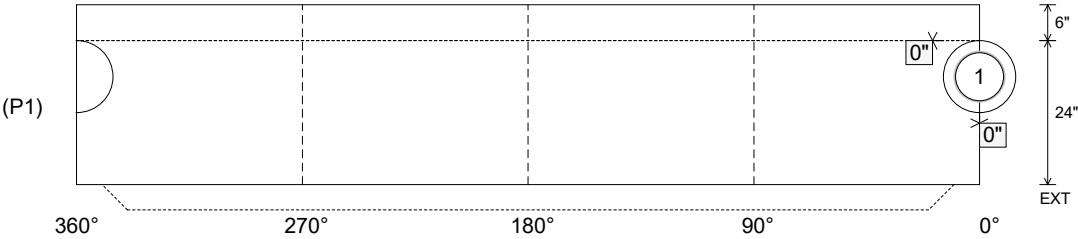
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



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): 2959 lb Volume (Net): 0.76cu.yd
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Job Name: 26-2441 - Rock Quarry Rd - US 27 Sewer Job Location: Somerset, KY 42501 Contractor: City of Somerset Wastewater				Plant: 100 6/21/2026 2:42:33 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: RQ2 SS-MH										
P1 MH048BA24				MH BASE T/n						
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10" 0 lb 2050 lb 2959 lb 1440 lb 0 lb 0 lb 258 lb 0 lb 0 lb 8 lb 0 lb ----- 6715 lb Structure Total: 6715 lb						Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Rim: 1048.33' Rim to Invert: 5' Slack: 1" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	1043.33'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P3)

(P2)

(P1) <<

Step: 0°
Horz: 0"

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

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INVERT CHANNEL
DRAWING
(0° TO 180° STRAIGHT
THROUGH)

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

0"

1

0"

6"

24"

EXT

Coating (Int):
Coating (Ext):

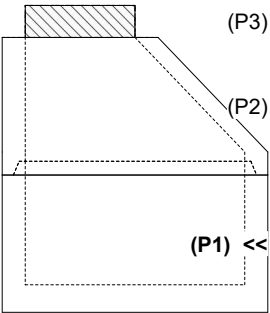
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

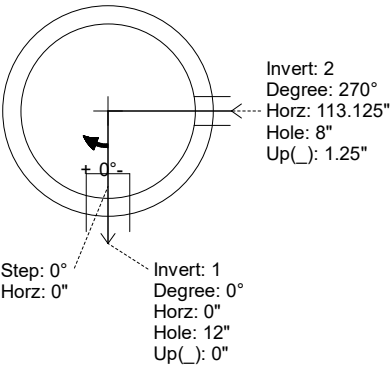
Height (Int): 24"
Height (Ext): 30"

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

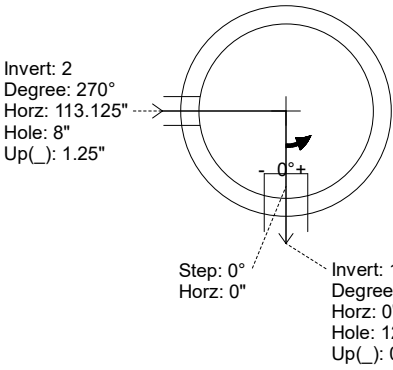
Job Name: 26-2441 - Rock Quarry Rd - US 27 Sewer Job Location: Somerset, KY 42501 Contractor: City of Somerset Wastewater					Plant: 100 6/21/2026 2:42:32 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: US27-1 SS-MH											
P1		MH048BA24		MH BASE T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48"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



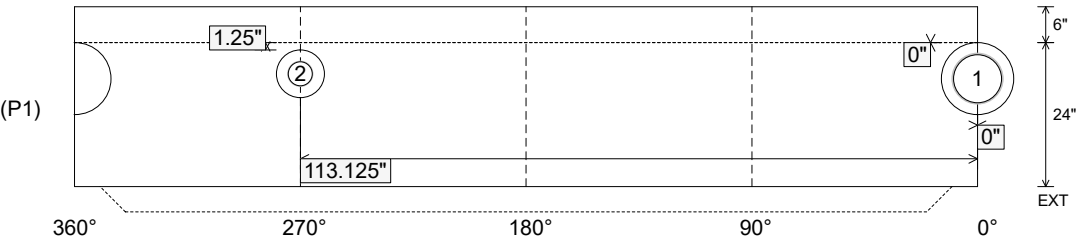
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

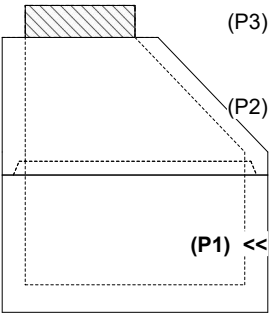


INSIDE WALL DIMENSIONS



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

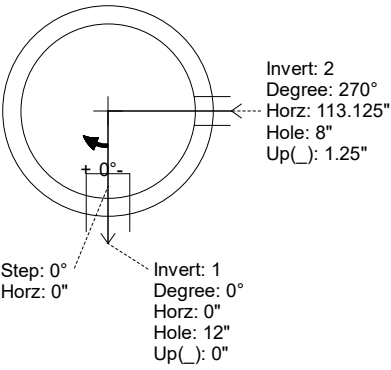


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



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

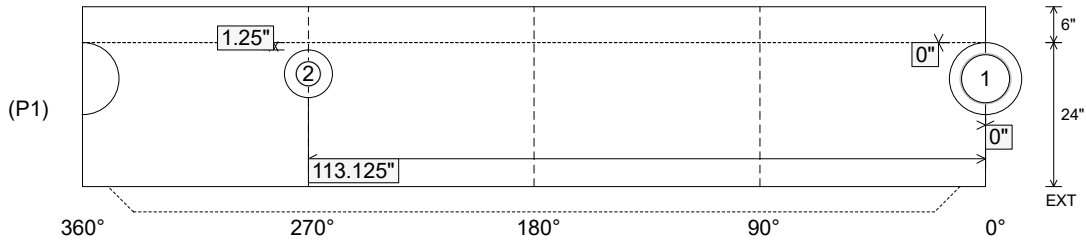
Step: 0°
Horz: 0"

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

UPSIDE-DOWN VIEW (int. dimensions)

**INVERT CHANNEL
DRAWING**

INSIDE WALL DIMENSIONS



(P1)

1.25"

113.125"

360°

270°

180°

90°

0°

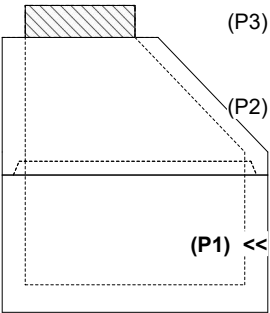
6"

24"

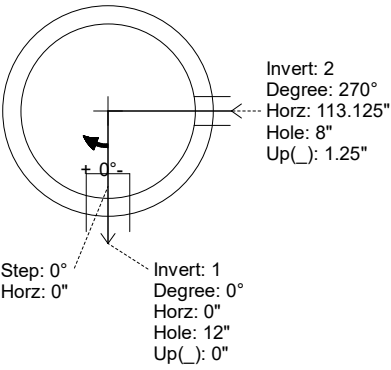
EXT

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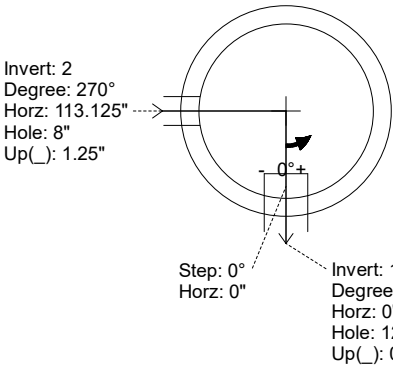
Job Name: 26-2441 - Rock Quarry Rd - US 27 Sewer Job Location: Somerset, KY 42501 Contractor: City of Somerset Wastewater					Plant: 100 6/21/2026 2:42:32 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: US27-1 SS-MH											
P1		MH048BA24		MH BASE T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48"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



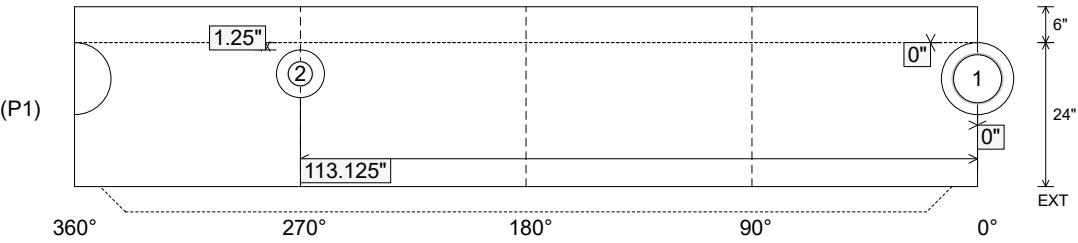
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

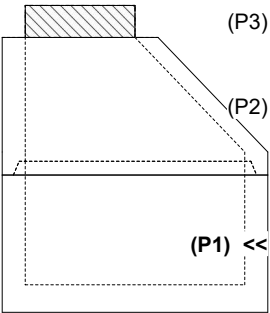


INSIDE WALL DIMENSIONS

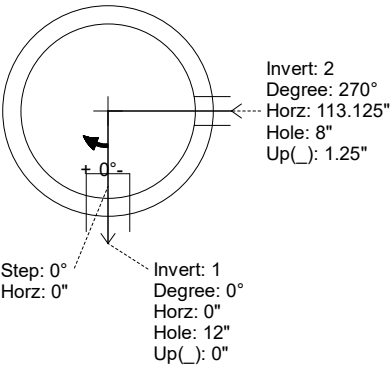


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2938 lb Volume (Net): 0.75cu.yd
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Job Name: 26-2441 - Rock Quarry Rd - US 27 Sewer Job Location: Somerset,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



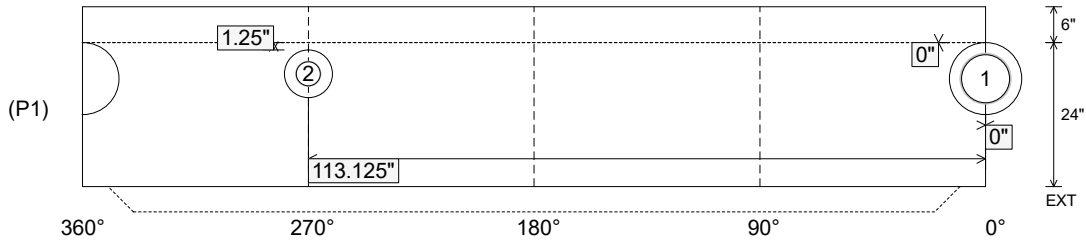
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

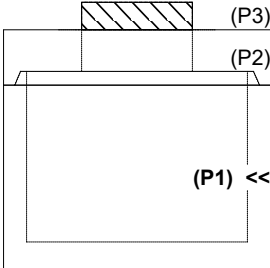
INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS

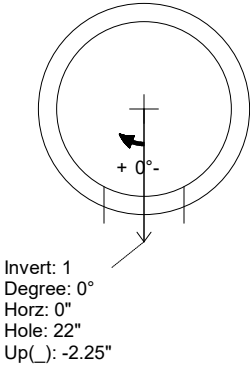


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2938 lb Volume (Net): 0.75cu.yd
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Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:12 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 34 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 34" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22"						0 lb 1300 lb 3541 lb 442 lb 0 lb 0 lb 0 lb ----- 5283 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 687.31' Rim to Invert: 4.38' Slack: 0.56" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	682.93'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

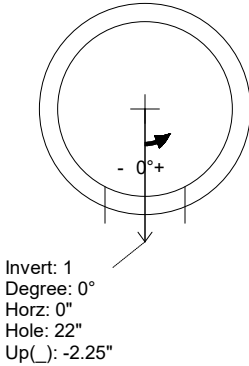


RIGHT-SIDE UP VIEW (int. dimensions)



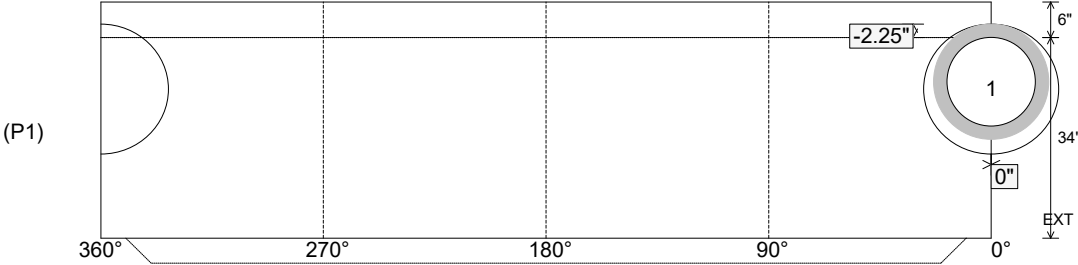
Invert: 1
Degree: 0°
Horz: 0"
Hole: 22"
Up(): -2.25"

UPSIDE-DOWN VIEW (int. dimenions)



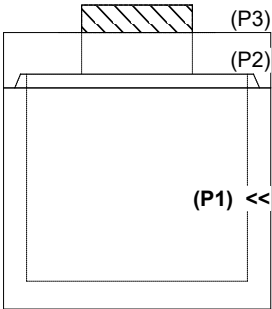
Invert: 1
Degree: 0°
Horz: 0"
Hole: 22"
Up(): -2.25"

INSIDE WALL DIMENSIONS

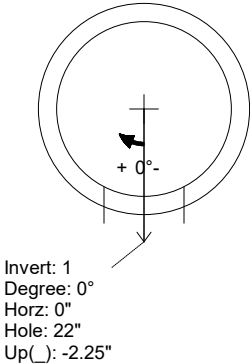


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 34" Height (Ext): 40"	Weight (Net): 3541 lb Volume (Net): 0.9cu.yd
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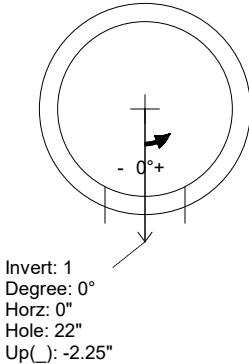
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:02 PM		Tech: Jared - F PC: E. Bardley			
Structure ID: 15 ST-CI										
P1 MH048BA42		MH BASE Custom Ht T/n								
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 42" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22"					0 lb 1300 lb 4100 lb 442 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 5842 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 691.61' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	686.61'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



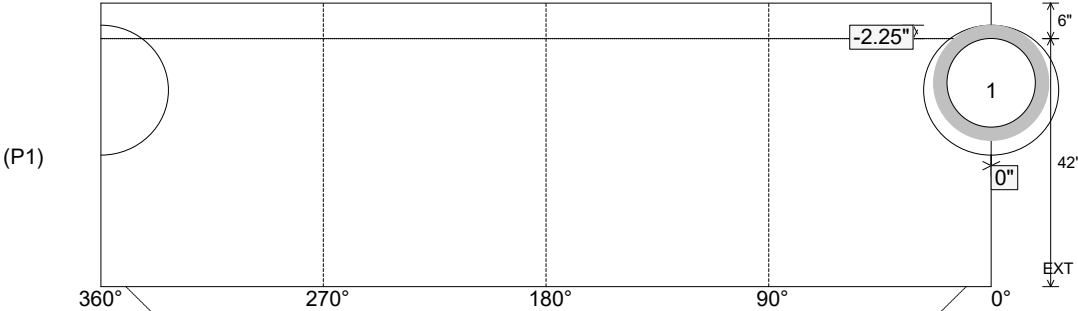
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

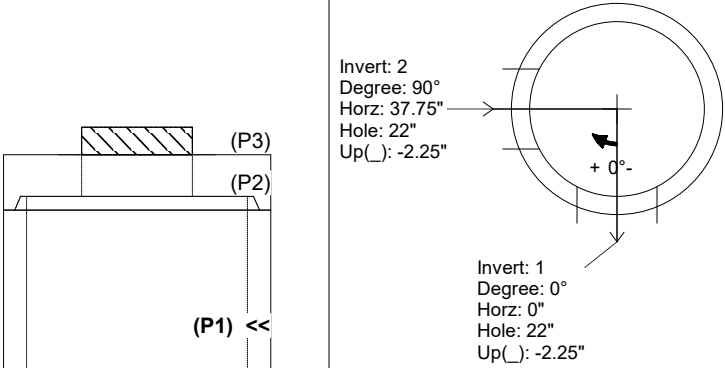


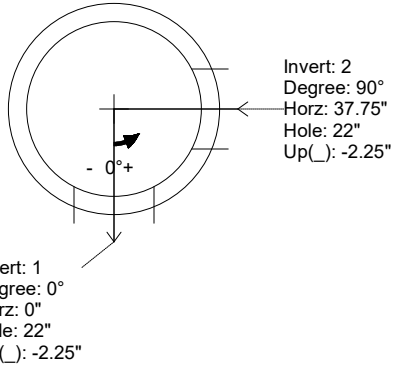
INSIDE WALL DIMENSIONS

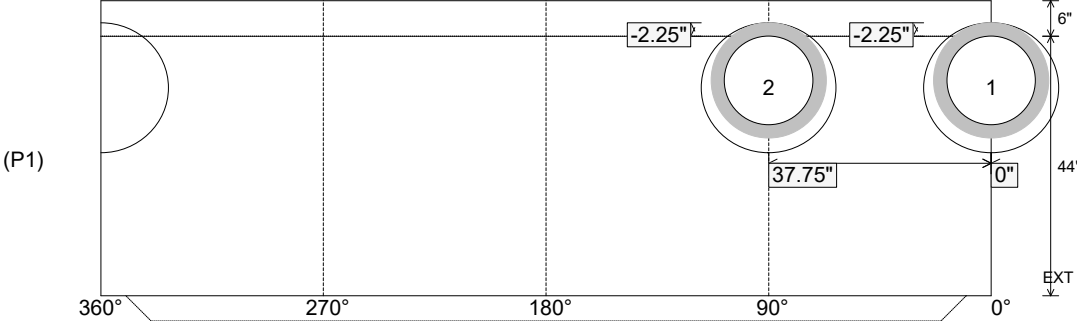


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 4100 lb Volume (Net): 1.05cu.yd
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Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:01 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 14 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 44" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 22"						0 lb 1300 lb 4075 lb 442 lb 0 lb 0 lb 0 lb ----- 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 691.37' Rim to Invert: 5.22' Slack: 0.64" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	686.15'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 2	686.15'	90°	45.5"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											







Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 44" Height (Ext): 50"	Weight (Net): 4075 lb Volume (Net): 1.04cu.yd
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Job Name: 26-1899 - Gateway 65 Industrial Road

Job Location: Franklin, KY

Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:34:01 PM

Tech: Jared - F

PC: E. Bardley



Structure ID: 13 ST-CI

P1 MH048BA42

MH BASE T/n

P4) 24" x 36" - CASTING HEIGHT - 6"

P3) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"

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

P1) 48" - MH BASE T/n - 42"

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

2) 48" - Conseal CS-102 1.00"

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

1) Hole - 26

1) Hole - 22

0 lb

1300 lb

2515 lb

3866 lb

442 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 8123 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. NO STEPS AND NO INVERT CHANNEL.

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

5. CITY OF BGKY-CBI TYPE F.

REINFORCING PER ASTM A615 (GRADE 60).

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

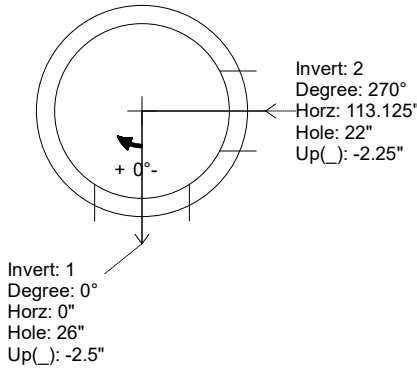
- RISER/WALLS (As .12)

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

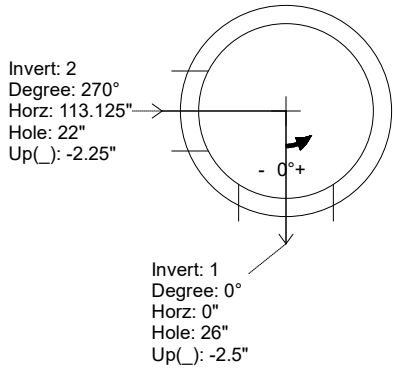
Rim: 680.83' Rim to Invert: 8' Slack: 0" Sump: 0" Step Position:

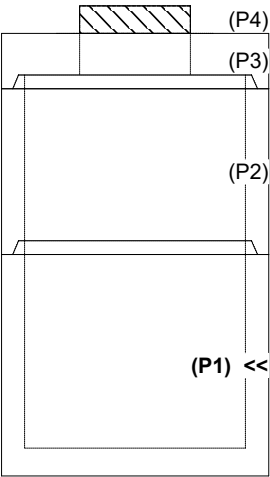
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	672.83'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 2	672.83'	270°	136.625"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

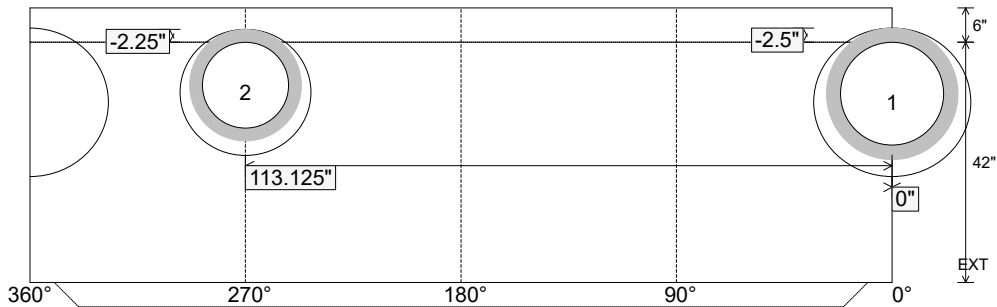


UPSIDE-DOWN VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

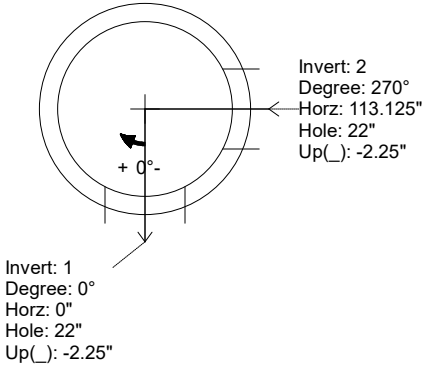
Height (Int): 42"

Height (Ext): 48"

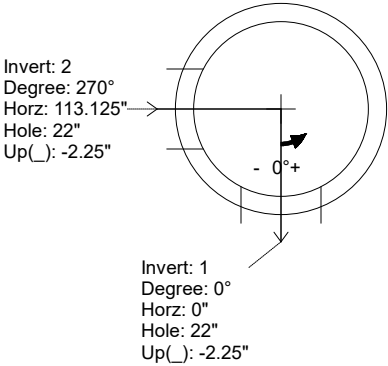
Weight (Net): 3866 lb

Volume (Net): 0.99cu.yd

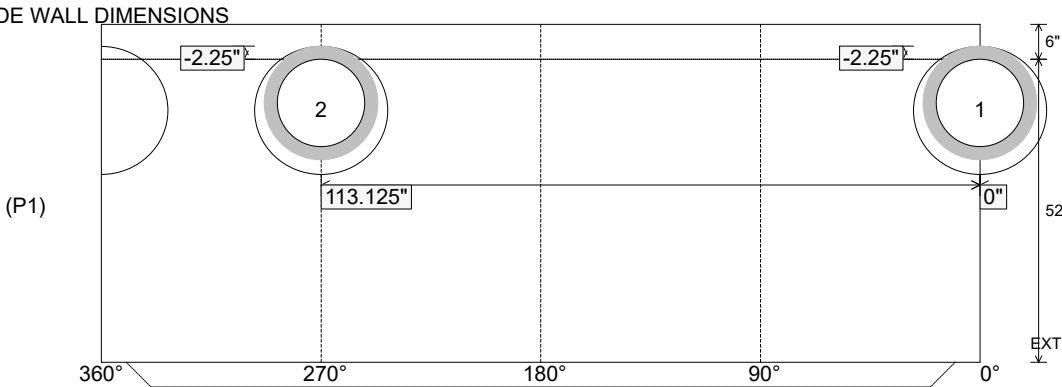
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:33:59 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 9 ST-CI											
P1 MH048BAVF			MH BASE Custom Ht T/n								
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 52" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 22"						0 lb 1300 lb 4634 lb 442 lb 0 lb 0 lb 0 lb ----- 6376 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 689.58' Rim to Invert: 5.84' Slack: 0.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	683.74'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 2	683.74'	270°	136.625"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



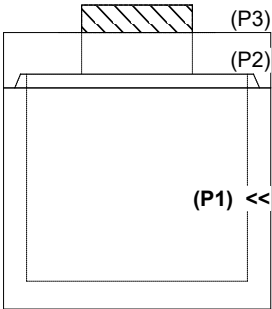
UPSIDE-DOWN VIEW (int. dimensions)



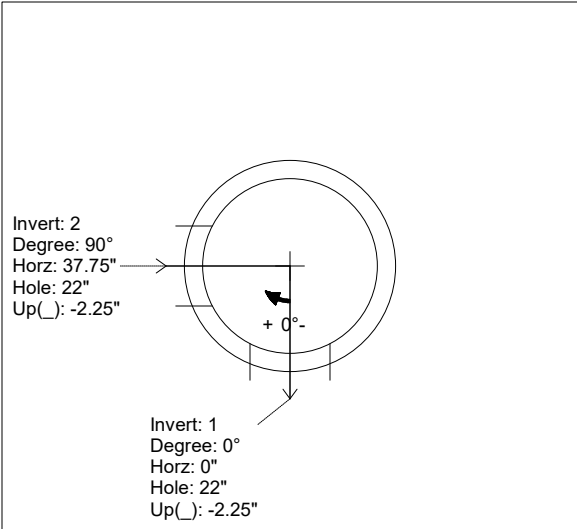
INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 52" Height (Ext): 58"	Weight (Net): 4634 lb Volume (Net): 1.18cu.yd
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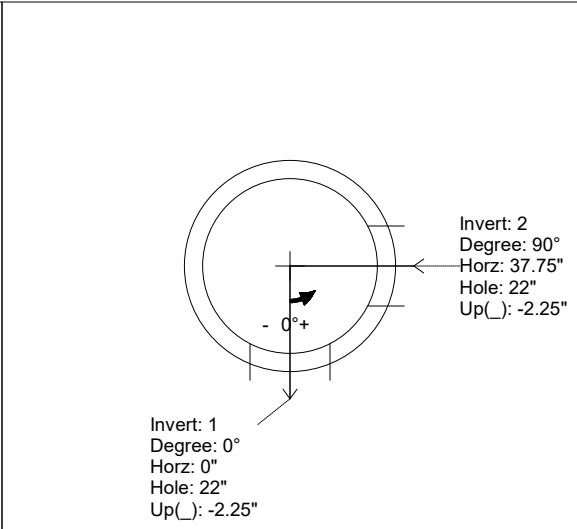
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:33:58 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 8 ST-CI											
P1 MH048BA42			MH BASE T/n								
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE T/n - 42" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 22" Structure Total: 5677 lb						Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 683.36'		Rim to Invert: 5'		Slack: 0"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	678.36'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 2	678.36'	90°	45.5"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



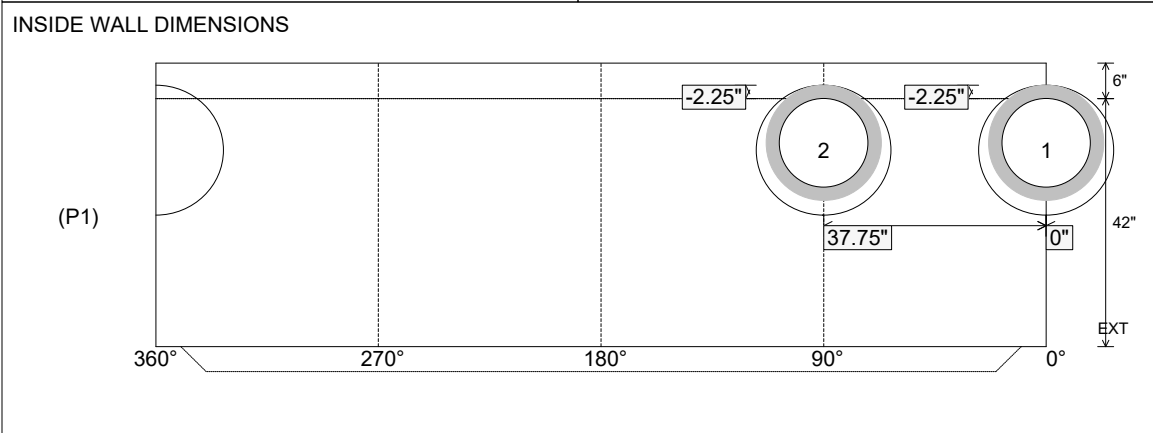
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

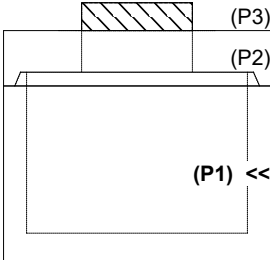


INSIDE WALL DIMENSIONS

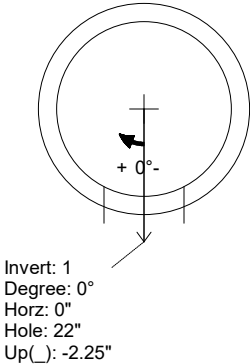


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 3935 lb Volume (Net): 1cu.yd
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Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:19 PM		Tech: Jared - F PC: E. Bardley			
Structure ID: 48 ST-CI										
P1 MH048BAVF			MH BASE Custom Ht T/n							
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 32" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22"						0 lb 1300 lb 3401 lb 442 lb 0 lb 0 lb 0 lb ----- 5143 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Rim: 695.29' Rim to Invert: 4.2' Slack: 0.4" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	691.09'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

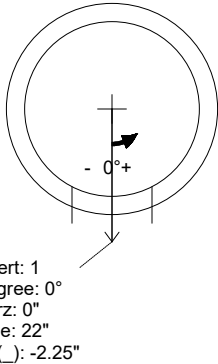


RIGHT-SIDE UP VIEW (int. dimensions)



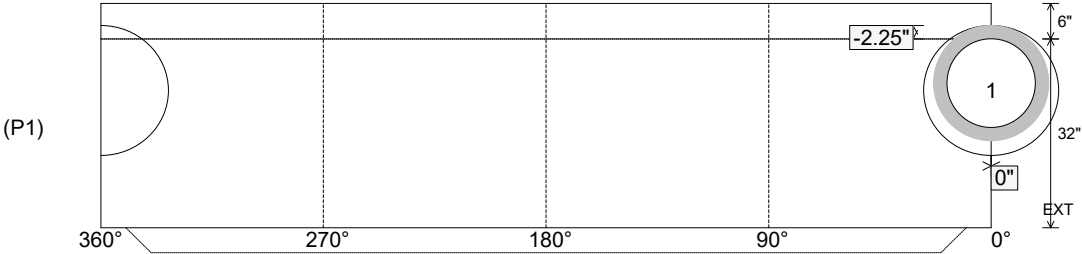
Invert: 1
Degree: 0°
Horz: 0"
Hole: 22"
Up(_): -2.25"

UPSIDE-DOWN VIEW (int. dimensions)



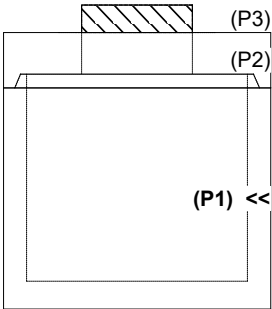
Invert: 1
Degree: 0°
Horz: 0"
Hole: 22"
Up(_): -2.25"

INSIDE WALL DIMENSIONS

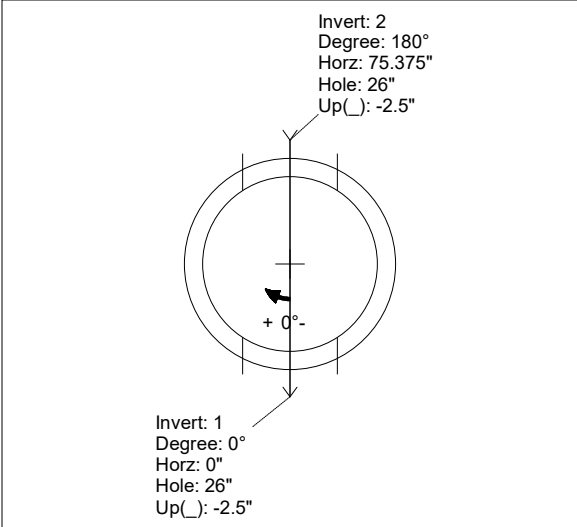


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 32" Height (Ext): 38"	Weight (Net): 3401 lb Volume (Net): 0.87cu.yd
----------------------------------	---------------------------------	--	--	--

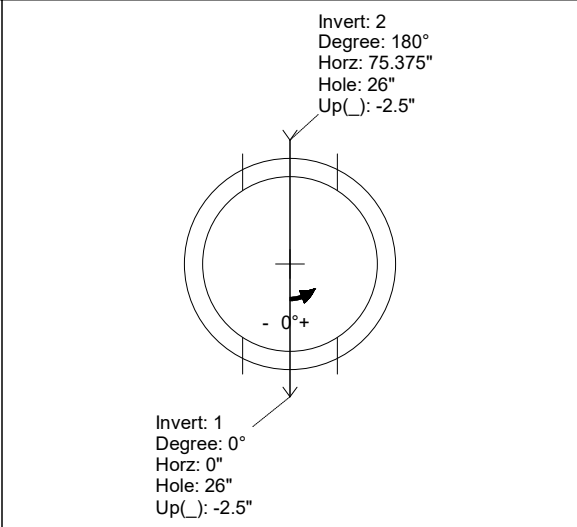
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:09 PM		Tech: Jared - F PC: E. Bardley			
Structure ID: 30 ST-CI										
P1 MH048BA42					MH BASE T/n					
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE T/n - 42" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 26"					0 lb 1300 lb 3798 lb 442 lb 0 lb 0 lb 0 lb ----- 5540 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 689.93' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	684.93'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 2	684.93'	180°	91.125"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



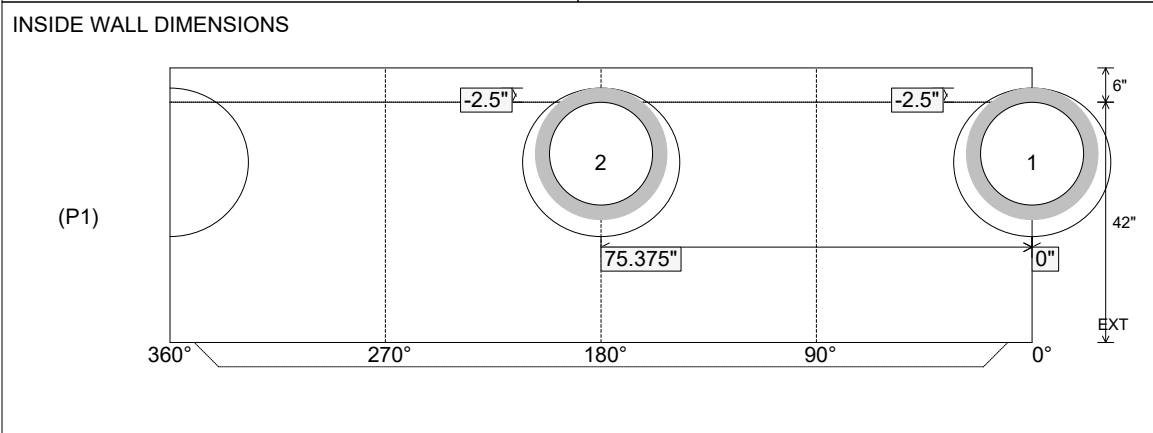
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 3798 lb Volume (Net): 0.97cu.yd
----------------------------------	---------------------------------	--	--	--

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

Plant: 100

6/11/2026 11:41:28 AM

Tech: Jared - F

PC: J Jarvis



Structure ID: MH-39-052B

P2 MH048RS48S

MH RISER SPECIAL

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE - 24"
P2) 48" - MH RISER SPECIAL - 48"
P1) 48" - MH BASE - 36"
1) Chimney Seal - Cretex Chimney Seal
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-375-WT F/C Sanitary
2) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) Kor-N-Seal2 - S206-22
7) MH Step ML-10-TDS-NCR - 10"

0 lb
1550 lb
3189 lb
3680 lb
10 lb
1440 lb
0 lb
0 lb
271 lb
0 lb
0 lb
13 lb
0 lb

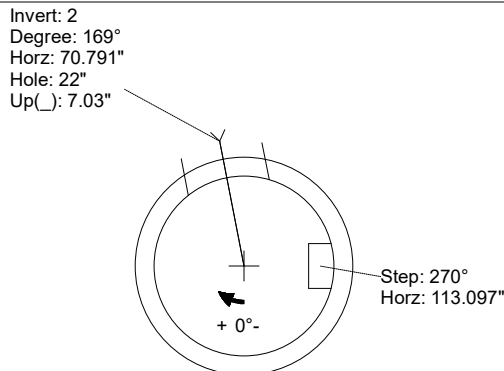
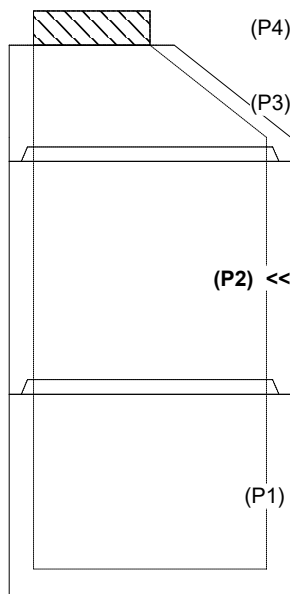
Structure Total: 10153 lb

Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY).
4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST.
5. INTERNAL DROP PROVIDED BY OTHER.
6. INVERT CHANNEL FOR 18" INTERNAL DROP AT 169 DEGREES
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

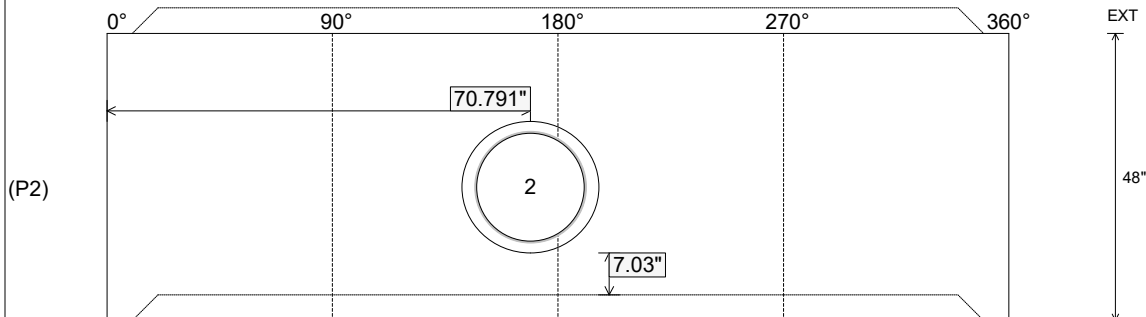
Rim: 420.09' Rim to Invert: 9.42' Slack: 0.04" Sump: 2" Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	414.61'	169°	85.539"	18" PVC F679	18.701"	Kor-N-Seal2 S206-22	22"	22.854"	7.03"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



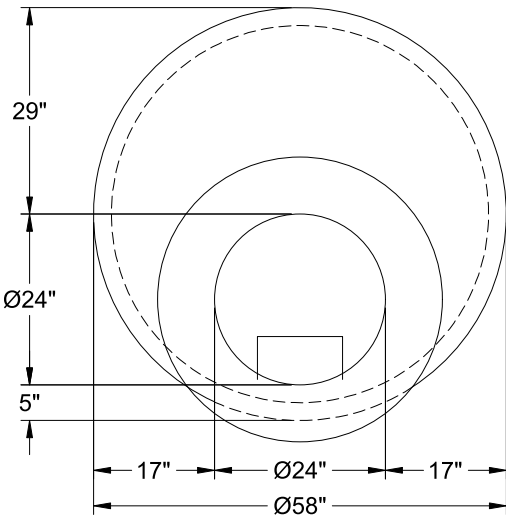
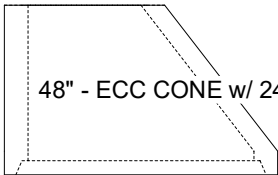
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 5"
Floor Height: 0"

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

Weight (Net): 3189 lb
Volume (Net): 0.81cu.yd

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2		Plant: 100	Tech: J. Horsley		
Job Location: Danville, KY		6/7/2026 1:26:09 PM	PC: C. Goff		
Contractor: Hubert Excavating & Contracting					
Structure ID: MH A15					
P4	MH048CN36SP	ECC CONE w/ 24" HOLE, w/Coating F/G			
P5) 24" - CASTING HEIGHT - 7"		0 lb	Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. CARBOLINE 300M EXTERIOR COATING REQUIRED 5. STEPS REQUIRED 6. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS		
P4) 48" - ECC CONE w/ 24" HOLE, w/Coating F/G - 36"		2251 lb			
P3) 48" - MH RISER w/COATING T/G - 24"		1677 lb			
P2) 60" - MH Trans. Slab - 48" Hole ECC, w/Coating T/G - 13"		1928 lb			
P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 68"		10066 lb			
1) 60" - MH INVERT CHANNEL - FULL HEIGHT		2692 lb			
1) JOINT WRAP - 12" WD x 060" MAC WRAP		0 lb			
1) SPECIAL EXTERNAL COATING - Carboline 300M		0 lb			
1) SECONDARY POUR - Extended Flange		0 lb			
2) JOINT WRAP - 12" WD x 048" MAC WRAP		0 lb			
1) 60" - Conseal CS-102 1.00" (Double)		0 lb			
2) 48" - Conseal CS-102 1.00" (Double)		0 lb			
1) 24" - Conseal CS-102 1.00" (Double)		0 lb			
2) A-Lok - 1040		2 lb			
10) MH Step ML-10-TDS-NCR - 10"		0 lb			
238.97 SqFt) Carboline Bitumastic 300M [EXT]		0 lb			
Structure Total:		18615 lb			
					
 48" - ECC CONE w/ 24" HOLE, w/Coating F/G - 36" - (P4)					
Coating (Int): Coating (Ext): Carboline Bitumastic 300M		Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 36"	Weight (Net): 2251 lb Volume (Net): 0.57cu.yd

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

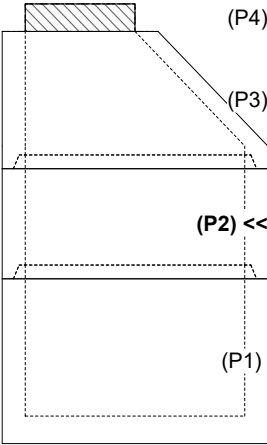
Structure:

MH A15

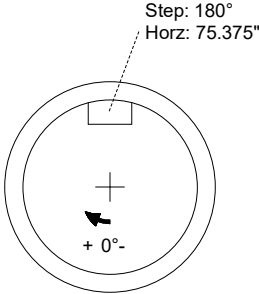
Note:

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

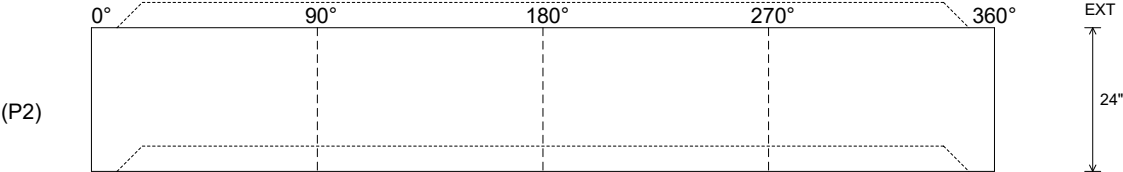
Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary) Job Location: Clarksville, TN Contractor: Byard Construction, LLC					Plant: 100 5/14/2026 2:16:58 PM		Tech: Jared - A PC: A. Chambers				
Structure ID: A-10											
P2 MH048RS24CDARED			MH RISER w/ConBlock-CDA Red T/G								
P4) 24" - CASTING HEIGHT - 6" 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) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ADMIXTURE CONBLOCK CDA RED 1) CASTING - JBS 1155 F/C SANITARY 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 2) PSX - 8QRS-S NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1961 lb 1677 lb 3336 lb 1440 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 8 lb 13 lb 0 lb ----- 8685 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. CONBLOCK CDA RED ADMIXTURE REQUIRED 5. STEPS AT 180 DEGREES 6. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Rim: 469.8' Rim to Invert: 7.35' Slack: 0.2" Sump: 2" Step Position: 180°					Structure Total:						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



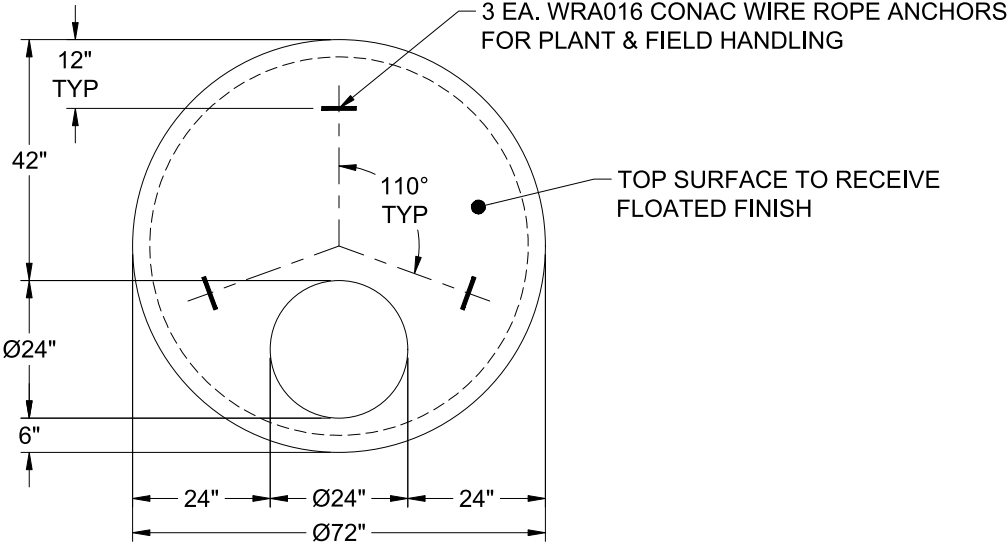
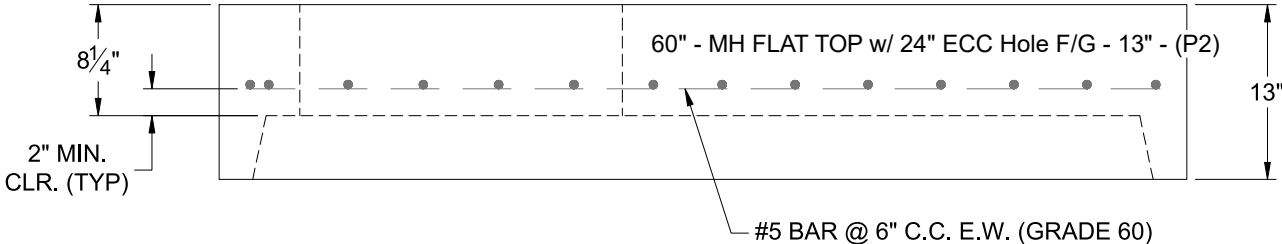
RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 24" Height (Ext): 24"	Weight (Net): 1677 lb Volume (Net): 0.43cu.yd
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Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3 Job Location: Olive Hill, KY Contractor: Walker Principles		Plant: 100 6/23/2026 9:40:12 AM	Tech: J. Horsley PC: E. Bradley	
Structure ID: ICAST LI2				
P2 MH060LD13		MH FLAT TOP w/ 24" ECC Hole F/G		
P3) 24" - CASTING HEIGHT - 7" P2) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P1) 60" - MH DH RISER Custom Ht T/F - 30" 1) CASTING - HOE MC-315 F/C Sanitary 1) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) DOGHOUSE - 12"x12" 2) MH Step ML-10-TDS-NCR - 10"		0 lb 2869 lb 3002 lb 258 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 6129 lb Structure Total:	<u>Structure Notes:</u> 1. PER ASTM C-478 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) 4. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST 5. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING 6. TOP SURFACE TO RECEIVE FLOATED FINISH	
				
				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 6"	Height (Ext): 13"	Weight (Net): 2869 lb Volume (Net): 0.73cu.yd

Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3 Job Location: Olive Hill, KY Contractor: Walker Principles					Plant: 100		Tech: J. Horsley			
					6/23/2026 9:42:05 AM		PC: E. Bradley			
Structure ID: ICAST LI2										
P1 MH060DHRSVH			MH DH RISER Custom Ht T/F							
P3) 24" - CASTING HEIGHT - 7" P2) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P1) 60" - MH DH RISER Custom Ht T/F - 30" 1) CASTING - HOE MC-315 F/C Sanitary 1) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) DOGHOUSE - 12"x12" 2) MH Step ML-10-TDS-NCR - 10"						0 lb 2869 lb 3002 lb 258 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 6129 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 0 DEGREES 5. HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST		
Rim: 897' Rim to Invert: 4' Slack: 0" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	893'	0°	0"	8" DI	9"	DOGHOUSE 12"x12"	12" x 12"	12.081"	0"	0"
Invert 2	893'	180°	113.125"	8" DI	9"	DOGHOUSE 12"x12"	12" x 12"	12.081"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 6" Floor Height: 0"	Height (Int): 30" Height (Ext): 30"	Weight (Net): 3002 lb Volume (Net): 0.77cu.yd
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Job Name: 26-1453 Clarksville, TN SPC13A

Job Location: Clarksville, TN

Contractor: Cleary Construction, Inc.

Plant: Beaver Dam

6/18/2026 7:40:28 AM

Tech: J. Coppage

PC: C. Goff



Structure ID: 13A-SS-MH-004

P3 MH060RS72SCDR

MH RISER SPECIAL w/ConBlock-CDA Red

P6) 24" - CASTING HEIGHT - 6"

P5) 60" - MH FLAT TOP w/24" Hole ECC w/ConBlock-CDA Red - 13"

P4) 60" - MH RISER w/ConBlock-CDA Red - 36"

P3) 60" - MH RISER SPECIAL w/ConBlock-CDA Red - 72"

P2) 60" - MH RISER w/ConBlock-CDA Red - 48"

P1) 60" - MH BASE w/ConBlock-CDA Red - 30"

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

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

1) 60" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT

4) 60" - Conseal CS-102 1.00" (Double)

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

2) A-Lok - 0285

1) A-Lok - 0410

2) A-Lok - 0200

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

0 lb

2800 lb

3758 lb

7440 lb

5011 lb

5752 lb

0 lb

0 lb

2962 lb

0 lb

0 lb

2 lb

1 lb

2 lb

0 lb

Structure Notes:

1. JBS-1155 SANITARY PROVIDED BY ICAST.

2. PER ASTM C478 SPECIFICATIONS.

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

4. 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: 543.08'

Rim to Invert: 17.02'

Slack: 1.24"

Sump: 2"

Structure Total: 27728 lb

Step Position: 45"

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	536.26'	90°	56.549"	8" PVC SDR26	8.5"	A-Lok 0285	9.75"	9.793"	40.775"	0"
Invert 3										
Invert 4	535.46'	212°	133.204"	6" PVC SDR26	6.25"	A-Lok 0200	7"	7.016"	31.55"	0"
Invert 5	534'	270°	169.646"	6" PVC SDR26	6.25"	A-Lok 0200	7"	7.016"	14.03"	0"
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2

Degree: 90°

Horz: 47.124"

Hole: 9.75"

Up(): 40.775"

Invert: 4

Degree: 212°

Horz: 111.003"

Hole: 7"

Up(): 31.55"

Invert: 5

Degree: 270°

Horz: 141.372"

Hole: 7"

Up(): 14.03"

Step: 45°

Horz: 23.562"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

47.124"

40.775"

111.003"

31.55"

141.372"

14.03"

EXT

72"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 72"

Height (Ext): 72"

Weight (Net): 7440 lb

Volume (Net): 1.9cu.yd



Weight (Net): 6264 lb
Volume (Net): 1.6cu.yd

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A13

Note:

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

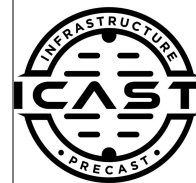
Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
Job Location: Fort Mitchell, KY 41017
Contractor: Lykins Contracting

Plant: 100

3/27/2026 11:40:14 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301550

P2 MH060TS15-48ECC

MH Transition Slab 48" Hole T/G

P5) 24" - CASTING HEIGHT - 7"
P4) 48" - CON CONE w/24" HOLE F/G - 36"
P3) 48" - MH RISER T/G - 72"
P2) 60" - MH Transition Slab 48" Hole T/G - 15"
P1) 60" - MH BASE (10"F) Custom Ht T/n - 65"
1) 60" - MH INVERT CHANNEL - FULL HEIGHT
1) 60" - Conseal CS-102 1.00" (Double)
2) 48" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1235
14) MH Step ML-10-TDS-NCR - 10"

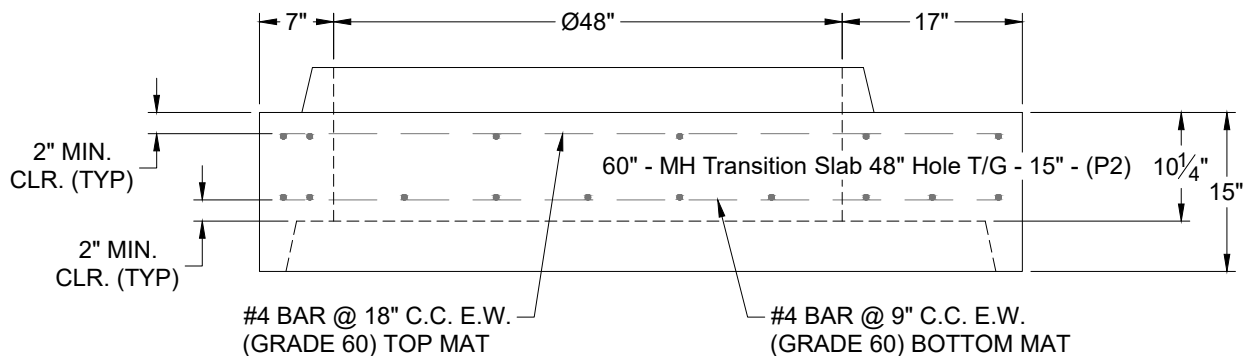
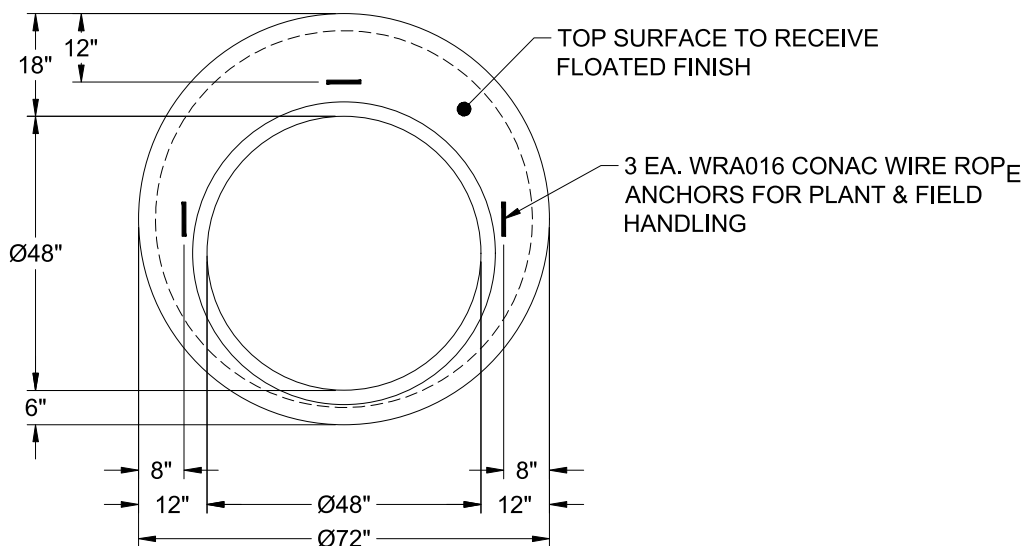
Structure Total:

0 lb
2252 lb
5030 lb
2204 lb
8848 lb
2692 lb
0 lb
0 lb
2 lb
0 lb

21028 lb

Structure Notes:

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



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 15"

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

Weight (Net): 10417 lb
Volume (Net): 2.66cu.yd

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

Plant: 100

6/18/2026 11:11:24 AM

Tech: Jared - F
PC: A. Chambers



Structure ID: 11 (15)

P2 MH072LD15-24CC

MH FLAT LID w/24" CC Hole F/G

- P4) 24" - CASTING HEIGHT - 1.25"
P3) 24" - GRADE RING F/F - 6"
P2) 72" - MH FLAT LID w/24" CC Hole F/G - 15"
P1) 72" - MH BASE Custom Ht T/n - 61"
1) CASTING - EJ 6488 O Beehive Grate
1) 72" - Conseal CS-102 1.00"
2) 24" - Conseal CS-102 1.00"
1) Hole - 50
1) Hole - 38
1) Hole - 30
5) MH Step ML-10-TDS-NCR - 10"

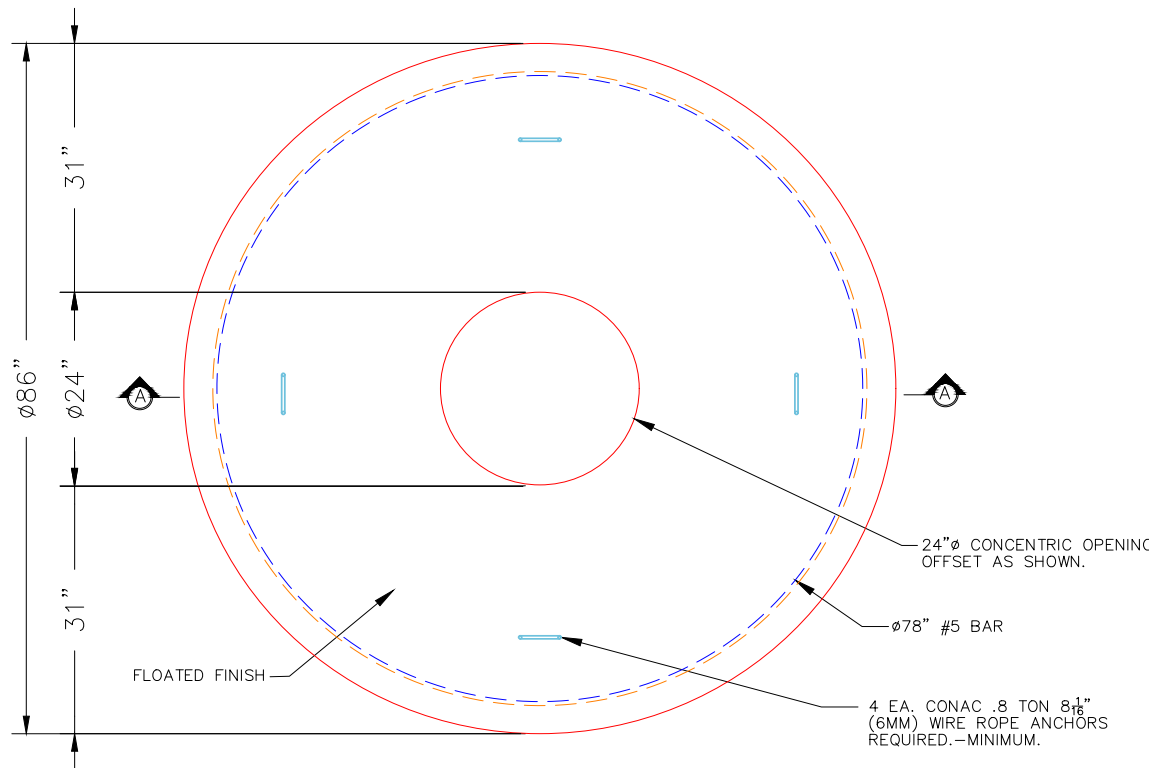
0 lb
405 lb
5097 lb
10417 lb
250 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 16169 lb

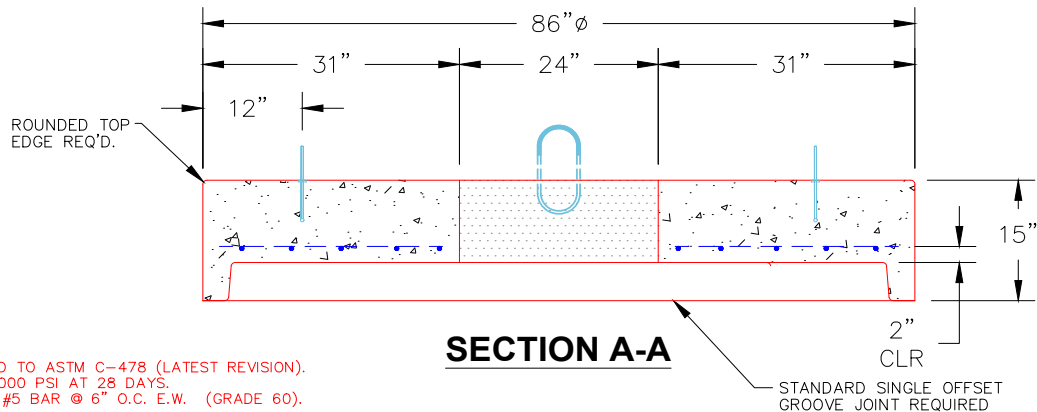
Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (EJ 6488 O BEEHIVE GRATE).

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.



PLAN VIEW



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

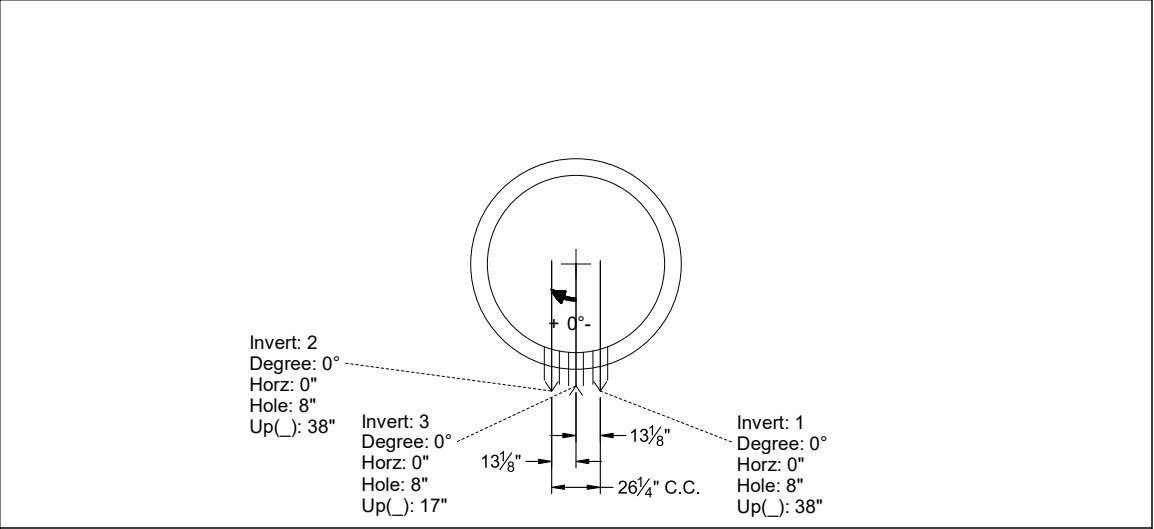
Wall Thickness: 7"

Height (Ext): 15"

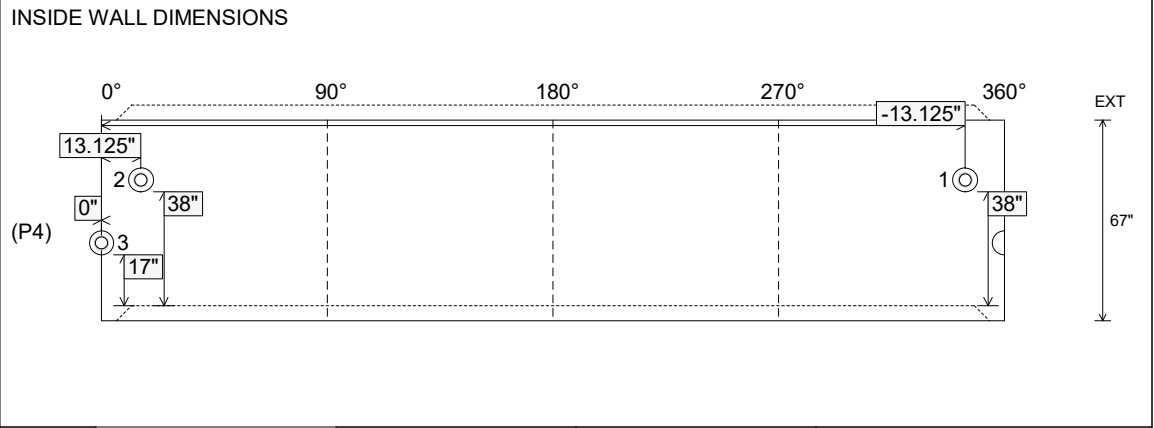
Weight (Net): 5097 lb
Volume (Net): 1.3cu.yd

Job Name: 26-1038 - Perryville & Junction City WW Improvements Job Location: Danville, KY Contractor: Connhurst, LLC					Plant: 100 5/6/2026 4:06:53 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: 61038 (4)											
P4 MH096RSVF MH RISER Custom Ht T/G											
P6) 42" x 55" - HATCH (CAST FLUSH) - 3" P5) 96" - MH FLAT TOP w/42"x55" Hatch F/G - 17" P4) 96" - MH RISER Custom Ht T/G - 67" P3) 96" - MH RISER T/G - 72" P2) 96" - MH RISER T/G - 54" P1) 96" - MH SEPARATE BASE-T EXT. 14" (142" OD) T/n - 12" 1) This Structure Includes a Cast-in Item - 42" x 55" Hatch (Supplied by Others) 4) JOINT WRAP - 12" WD x 096" MAC WRAP 4) 96" - Conseal CS-231 1.00" (Double) 3) PSX - 8QRS-S NYLO 1) PSX - 12-08 NYLO					0 lb 8820 lb 16574 lb 17851 lb 13452 lb 19580 lb 0 lb 0 lb 0 lb 20 lb 8 lb Structure Total: 76305 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STEPS 5. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AT 45°, 135°, 225°, & 315°, 16" FROM TOP OF WALLS 6. INVERTS 1 & 2 OFFSET 13.125" FROM CENTER (26.25" CENTER-TO-CENTER)				
Rim: 963.5' Rim to Invert: 10.85' Slack: 0" Sump: 74.8" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	960.25'	0°	-13.25"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.33"	38"	-13.125"	
Invert 2	960.25'	0°	13.25"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.33"	38"	13.125"	
Invert 3	958.5'	0°	0"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.009"	17"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

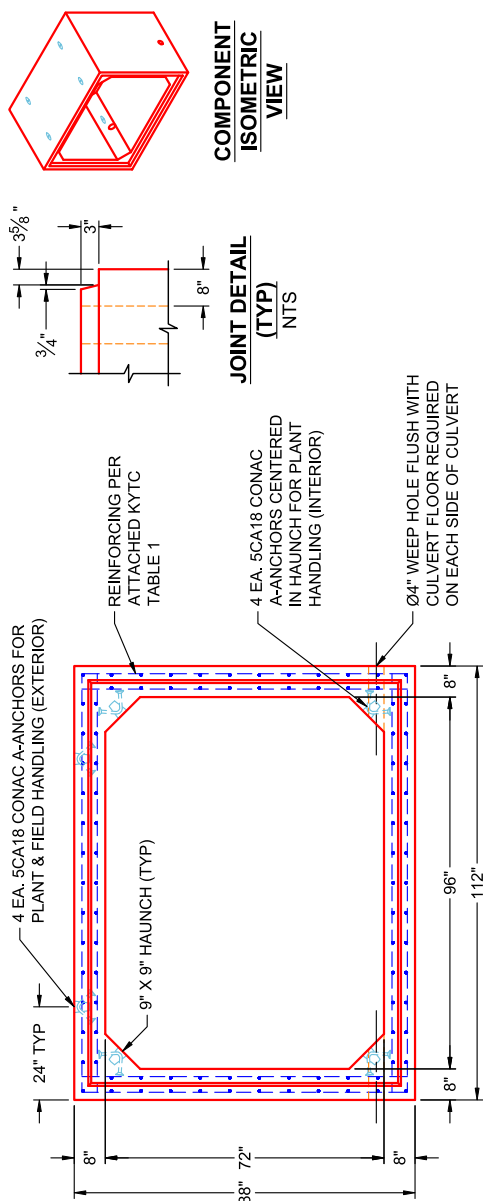


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 9" Floor Height: 0"	Height (Int): 67" Height (Ext): 67"	Weight (Net): 16574 lb Volume (Net): 4.23cu.yd
----------------------------------	------------------------------------	--	--	---

**Structure ID: St. 43+62 (PC 9)**

P1 BC096072-08WLF-9HC

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



COMPONENT
ISOMETRIC
VIEW

JOINT DETAIL
(TYP)

NTS

END VIEW
TYPICAL

REINFORCING PER ATTACHED
KYTC TABLE 1REINFORCING PER ATTACHED -
KYTC TABLE 1

VIEW A
PC 9
88"

PLAN VIEW
PC 9
(UPRIGHT IN MOL)

VIEW B
PC 9
(UPRIGHT IN M)

PC 9
(UPRIGHT IN MOLD)

(UPRIGHT IN MOLD)

PC 9
(UPRIGHT IN MOLD)

PRODUCTION WORK ORDER

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

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

QUALITY CONTROL CHECK

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



CUSTOMER: JIM SMITH CONTRACTING

PROJECT: KYTC MCCracken Co. Call 200 (ID 241301)

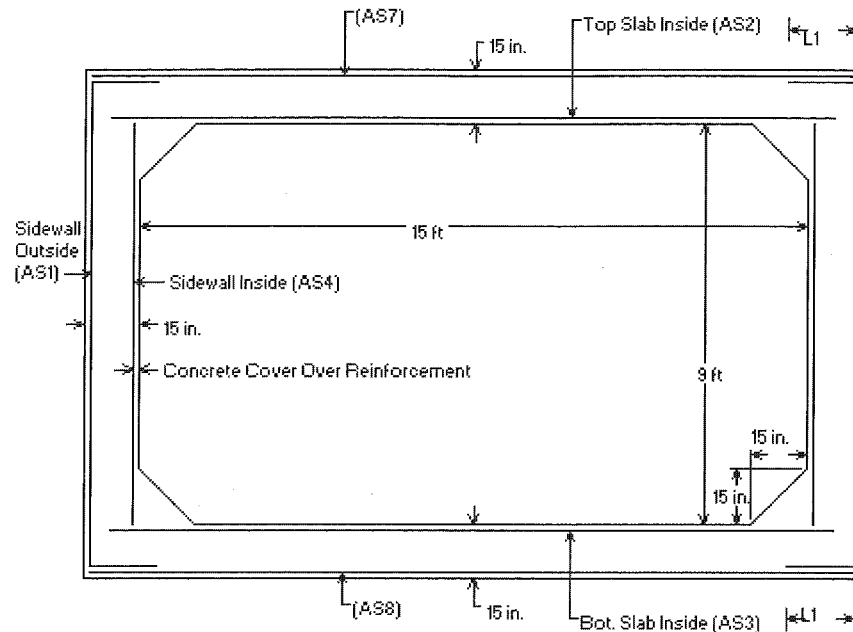
STRUCTURE: ST. 43+62 (PC 9)

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 8:41:23 AM

Tech:

Jared - A

PC:

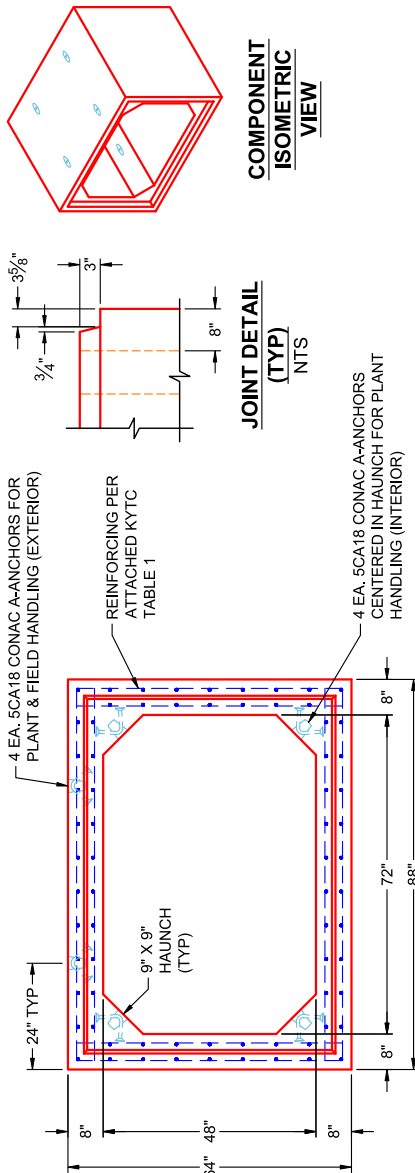
A. Chambers



Structure ID: BC 6 x 4 (Sec U)

P1 BC048072-08WLF-9H

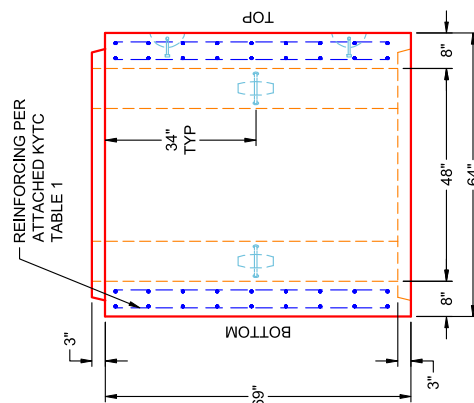
BOX CULVERT (08W/08F/08T) G/T



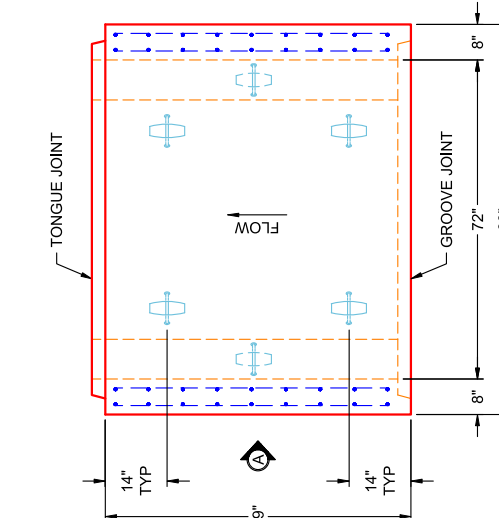
COMPONENT
ISOMETRIC
VIEW

JOINT DETAIL
(TYP)
NTS

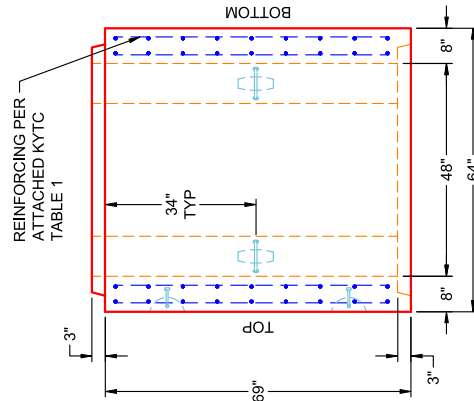
END VIEW
TYPICAL



VIEW A
SEC U
(UPRIGHT IN MOLD)



PLAN VIEW
SEC U
(UPRIGHT IN MOLD)



VIEW B
SEC U
(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 U)

ORDER NO: 25-2898

PE: J.H. ROSS

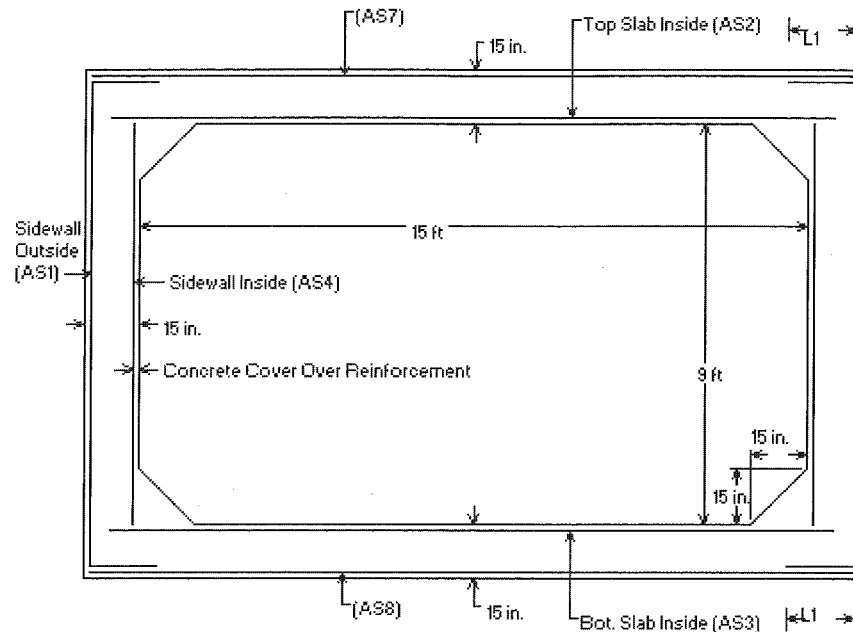
DRAWING: K. CARDWELL

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"									

Strength Reduction Factors

Design Code

Flexure

Shear 0.9

Reinforcement Diameter:	Diameter	Crack Width [CHBDC Only]	mm
			0.25
			Maximum Spacing

$$+ \frac{n}{n+1} \ln \frac{n}{n+1}$$

	Top Inside	Bottom Inside	Sidewall Inside	Top Outside	Bottom Outside
Top Slab Thickness	{A5-2}	{A5-3}	{A5-4}	{A5-7}	{A5-8}
Bottom Slab Thickness		{0.05}		{0.05}	
Sidewall Thickness			{0.05}		
Top Slab Thickness				{0.05}	
Bottom Slab Thickness					{0.05}
in.	4	in.	4	in.	4

100

Maximum Lateral Pressure Coefficient
Vertical Arching Factor

0.5

Embankment/Compacted

<< Previous Page Next Page >>

[Return to Main Menu](#)

poolpoint		Length	Width
☒ By Code		10	in.
☒ By Code		10	in.
☐ By Code		0	in.
☒ By Code		10	in.
☐ By Code		10	in.
☐ By Code		10	in.

[illegible]

Diagram of a three-span continuous beam bridge. The total length is 14 ft. The spans are 5 ft, 3 ft, and 4 ft. The beam has a depth of 0.67 ft. The diagram shows the beam with supports and spans labeled. Below the diagram is the text "A=4)le Load".



BOX BASE 8inW, 8inF, Variable Ht

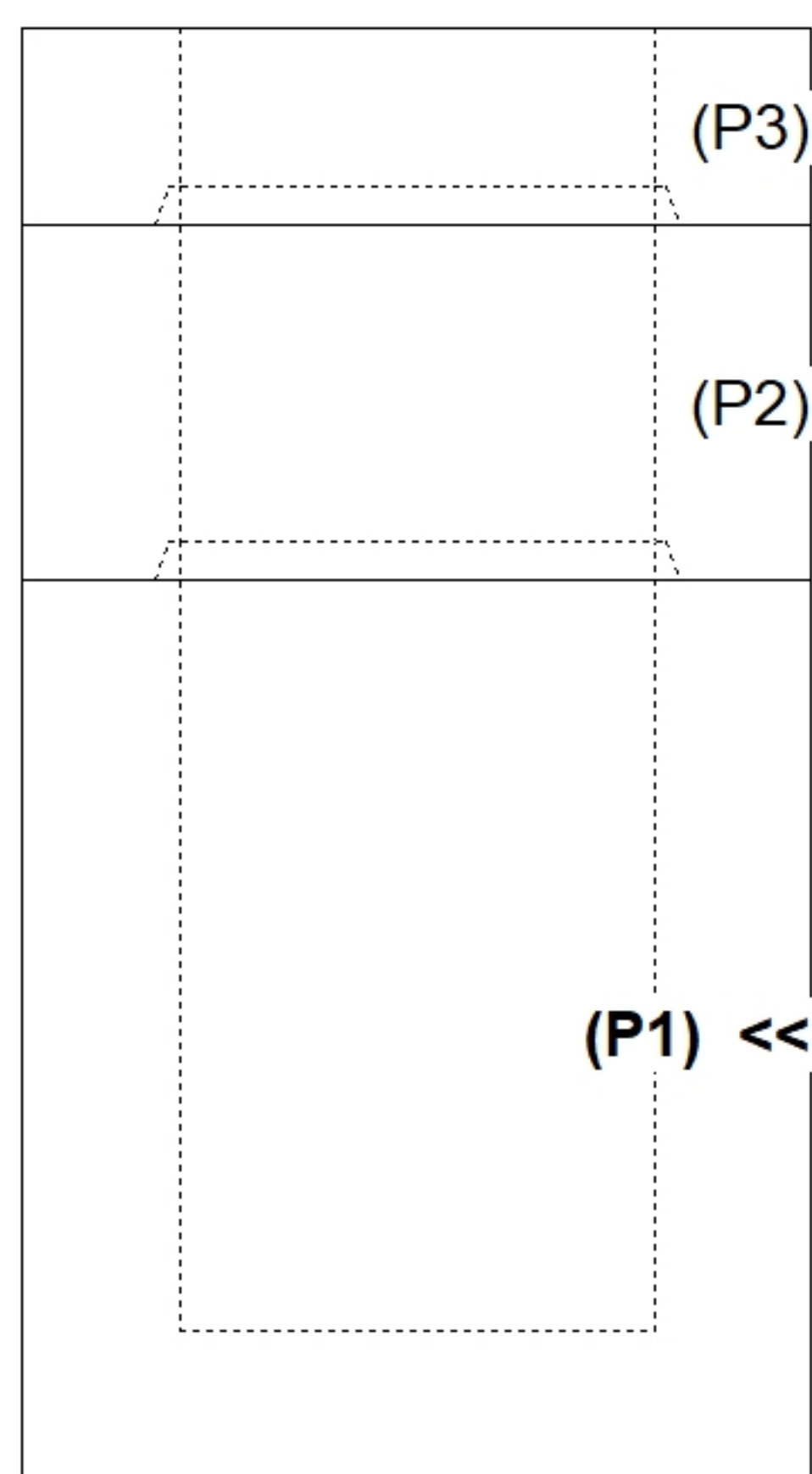
Structure Notes:
 -KYTC STATE PROJECT 241306
 -MANUFACTURED PER KYTC SPECIFICATIONS.
 -REINFORCING: #5 BAR @ 12" C/C E.W.
 -KYTC CERTIFICATIONS REQUIRED.

Structure Total: 13467 lb

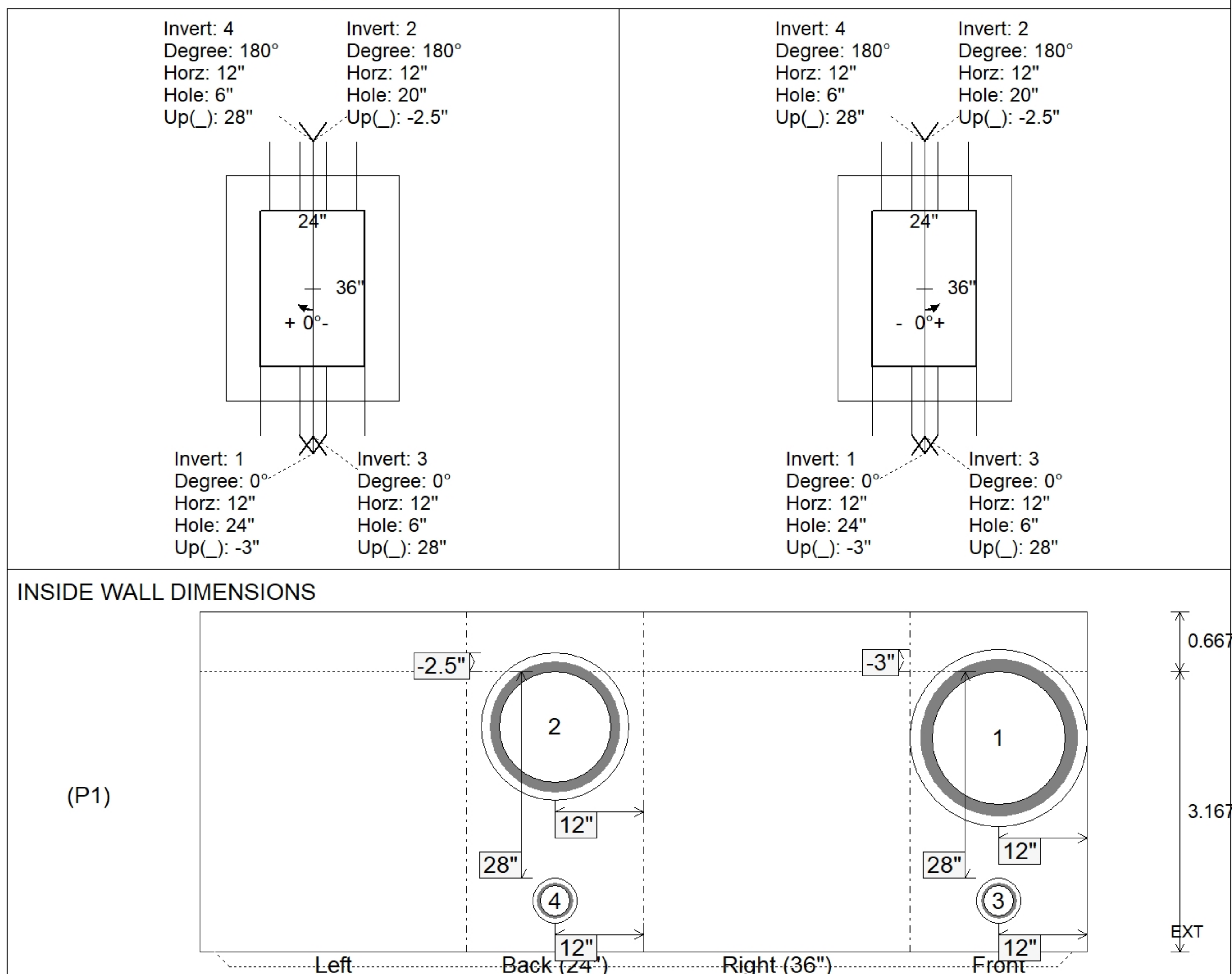
Rim: 745.49' Rim to Invert: 5.91' Slack: 0.41' Sump: 0' Step Position:

[illegible]

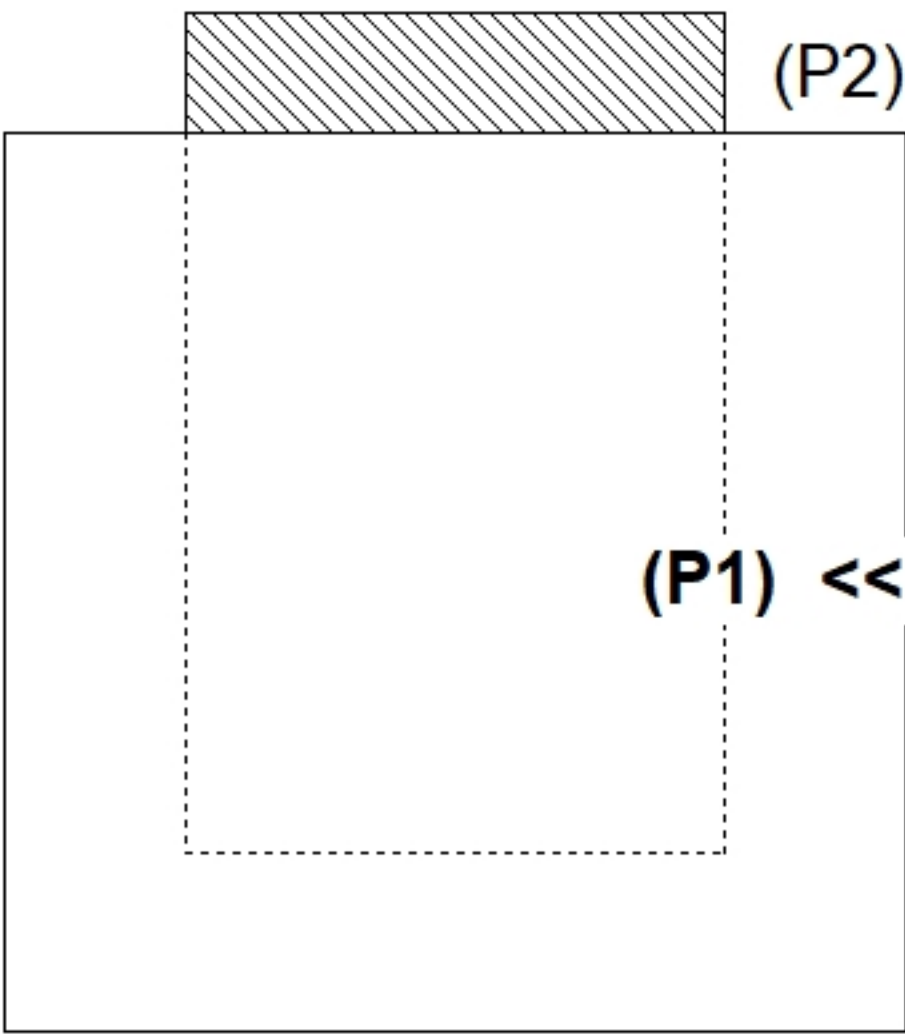
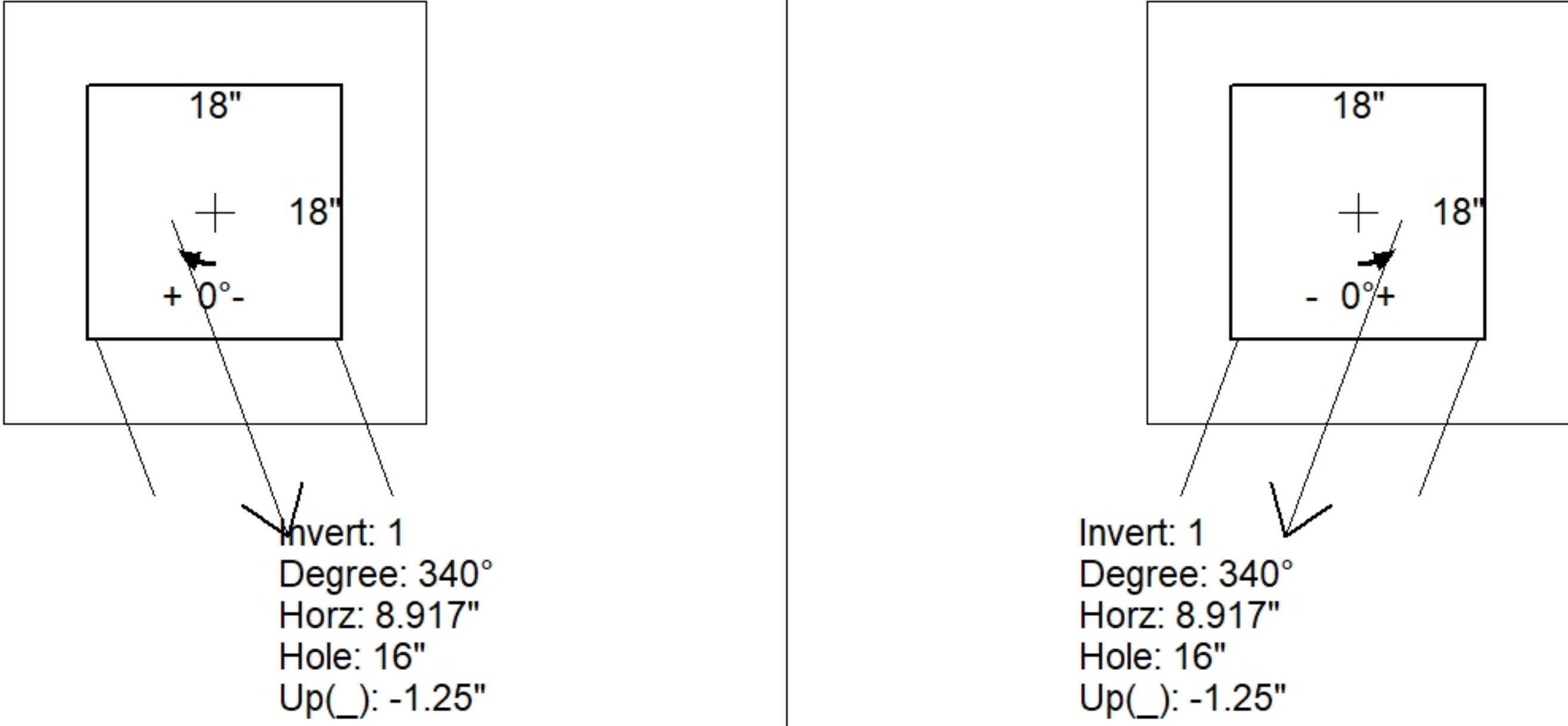
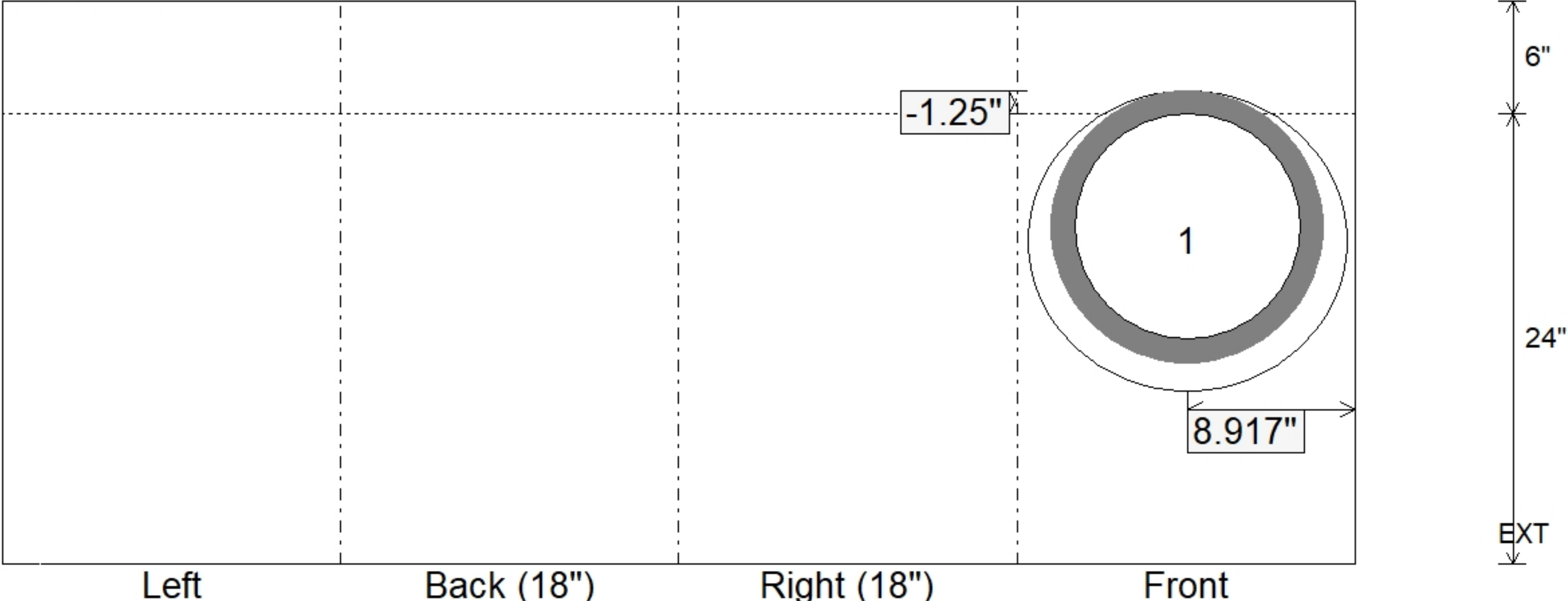
UPSIDE-DOWN VIEW (int. dimensions)



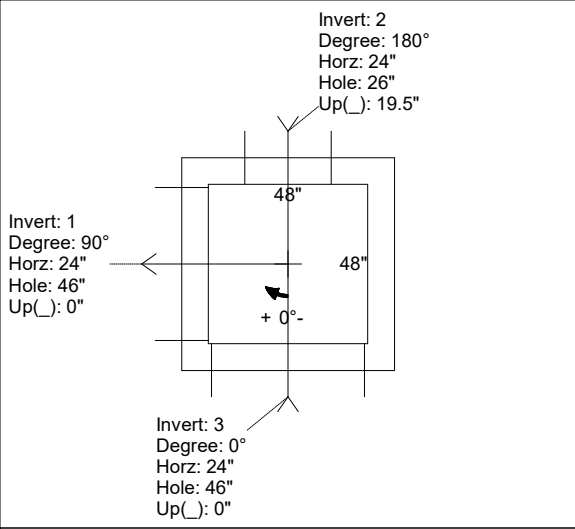
(P1) <<



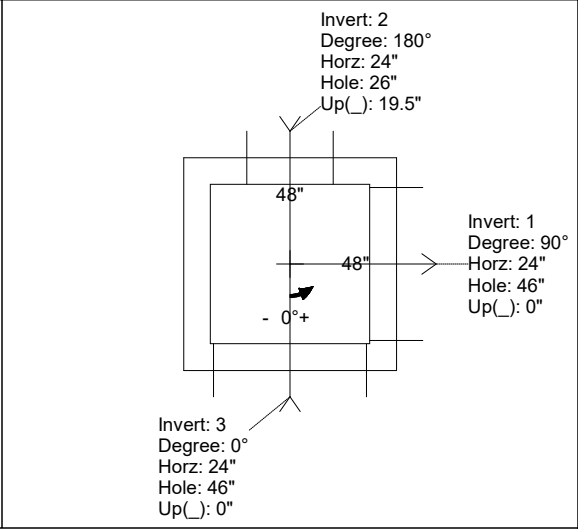
Weight (Net): 4797 lb
Volume (Net): 1.23cu.yd

Job Name: 26-1279 Hilltopper Hall Ph. 2 Job Location: Bowling Green, KY Contractor: Stewart Richey				Plant: Beaver Dam 6/24/2026 8:45:27 AM		Tech: S. Felletter PC: M. Sullivan				
Structure ID: 1-8 ST-CB										
P1		BX1818-06BA24		BOX BASE 6inW, 6inF F/n						
P2) 18" x 18" - CASTING HEIGHT - 4" P1) 18" x 18" - BOX BASE 6inW, 6inF F/n - 24" 1) CASTING - HOE 165A F/G 1) 18" x 18" - Conseal CS-102 1.00" 1) Hole - 16						0 lb 1505 lb 138 lb 0 lb 0 lb ----- Structure Total: 1643 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 165-A F/G). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.		
Rim: 543.72' Rim to Invert: 2.5' Slack: 2" Sump: 0" Step Position: 180°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	541.22'	340°	12.733"	12" HDPE	14.5"	Hole 16	16"	17.027"	-1.25"	3"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										
RIGHT-SIDE UP VIEW (int. dimensions)						UPSIDE-DOWN VIEW (int. dimenions)				
										
INSIDE WALL DIMENSIONS										
										
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 6" Floor Height: 6"		Height (Int): 24" Height (Ext): 30"		Weight (Net): 1505 lb Volume (Net): 0.38cu.yd	

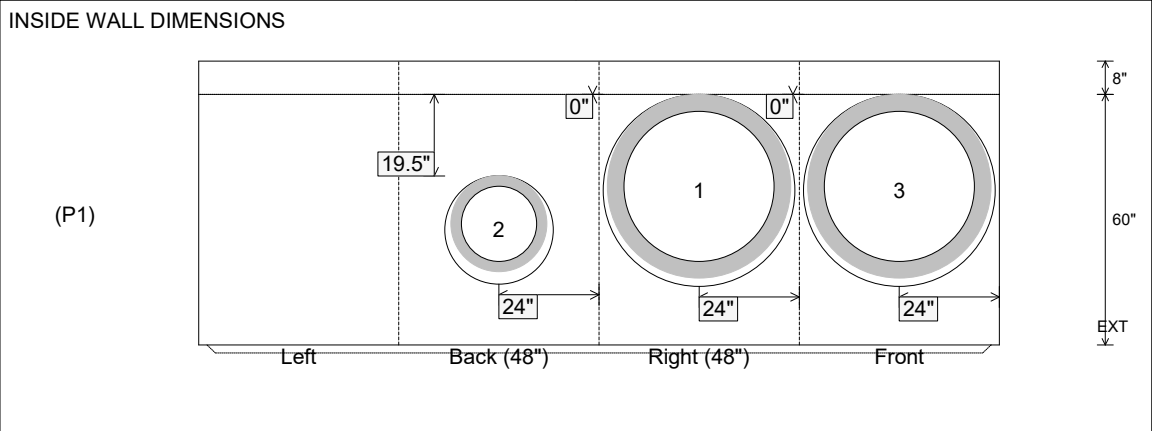
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:53 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R5											
P1 BX4848-08BA60 BOX BASE 8inW, 8inF T/n											
P4) 20" x 34" - CASTING HEIGHT - 7" P3) 48" x 48" - BX FLAT LID 8"W - TDOT 10SB (20"x34" Hole) F/F - 10" P2) 48" x 48" - BOX RISER 8inW, Variable Ht F/G - 50" P1) 48" x 48" - BOX BASE 8inW, 8inF T/n - 60" 1) 48" x 48" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3123 MODIFIED SET 2) 48" x 48" - Conseal CS-102 1.00" 2) Hole - 46 1) Hole - 26						0 lb 2866 lb 7519 lb 9184 lb 450 lb 250 lb 0 lb 0 lb 0 lb ----- Structure Total: 20269 lb		Structure Notes: 1. PER TDOT D-CB-10SB / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3123 MOD SET). REINFORCING PER ASTM A615 (GRADE 60). ** SEE TDOT STD DRAWING D-CB-10SB ** - TOP SLAB - DBL MAT #5 BARS. - WALLS (As .47) #5 BARS AT 8" C.C.E.W. - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.			
Rim: 568.98' Rim to Invert: 10.27' Slack: 0.24" Sump: 4" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	558.71'	90°	32"	36" RCP B WALL	44"	Hole 46	46"	46"	0"	0"	
Invert 2	560.21'	180°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	19.5"	0"	
Invert 3	558.71'	0°	32"	36" RCP B WALL	44"	Hole 46	46"	46"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 60" Height (Ext): 68"	Weight (Net): 9184 lb Volume (Net): 2.35cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:36:53 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R5

P1 BX4848-08BA60

BOX BASE 8inW, 8inF T/n

P4) 20" x 34" - CASTING HEIGHT - 7"

P3) 48" x 48" - BX FLAT LID 8"W - TDOT 10SB (20"x34" Hole) F/F - 10"

P2) 48" x 48" - BOX RISER 8inW, Variable Ht F/G - 50"

P1) 48" x 48" - BOX BASE 8inW, 8inF T/n - 60"

1) 48" x 48" - STORM INVERT CHANNEL (FLAT) - 4" THK

1) CASTING - JBS 3123 MODIFIED SET

2) 48" x 48" - Conseal CS-102 1.00"

2) Hole - 46

1) Hole - 26

0 lb

2866 lb

7519 lb

9184 lb

450 lb

250 lb

0 lb

0 lb

0 lb

Structure Total: 20269 lb

Structure Notes:

1. PER TDOT D-CB-10SB / ASTM C913 SPEC'S.

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

3. CASTING BY ICAST (JBS-3123 MOD SET).

REINFORCING PER ASTM A615 (GRADE 60).

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

- TOP SLAB - DBL MAT #5 BARS.

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

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

Rim: 568.98'

Rim to Invert: 10.27'

Slack: 0.24"

Sump: 4"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	558.71'	90°	32"	36" RCP B WALL	44"	Hole 46	46"	46"	0"	0"
Invert 2	560.21'	180°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	19.5"	0"
Invert 3	558.71'	0°	32"	36" RCP B WALL	44"	Hole 46	46"	46"	0"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 180°
Horz: 24"
Hole: 26"
Up(): 19.5"

48"

48"

Invert: 1
Degree: 90°
Horz: 24"
Hole: 46"
Up(): 0"

+ 0°-

Invert: 3
Degree: 0°
Horz: 24"
Hole: 46"
Up(): 0"

Invert: 2
Degree: 180°
Horz: 24"
Hole: 26"
Up(): 19.5"

48"

48"

Invert: 1
Degree: 90°
Horz: 24"
Hole: 46"
Up(): 0"

- 0°+

Invert: 3
Degree: 0°
Horz: 24"
Hole: 46"
Up(): 0"

INSIDE WALL DIMENSIONS

19.5"

0"

0"

24"

24"

24"

24"

2

1

3

Left

Back (48")

Right (48")

Front

8"

60"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 60"
Height (Ext): 68"

Weight (Net): 9184 lb
Volume (Net): 2.35cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:36:52 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R4

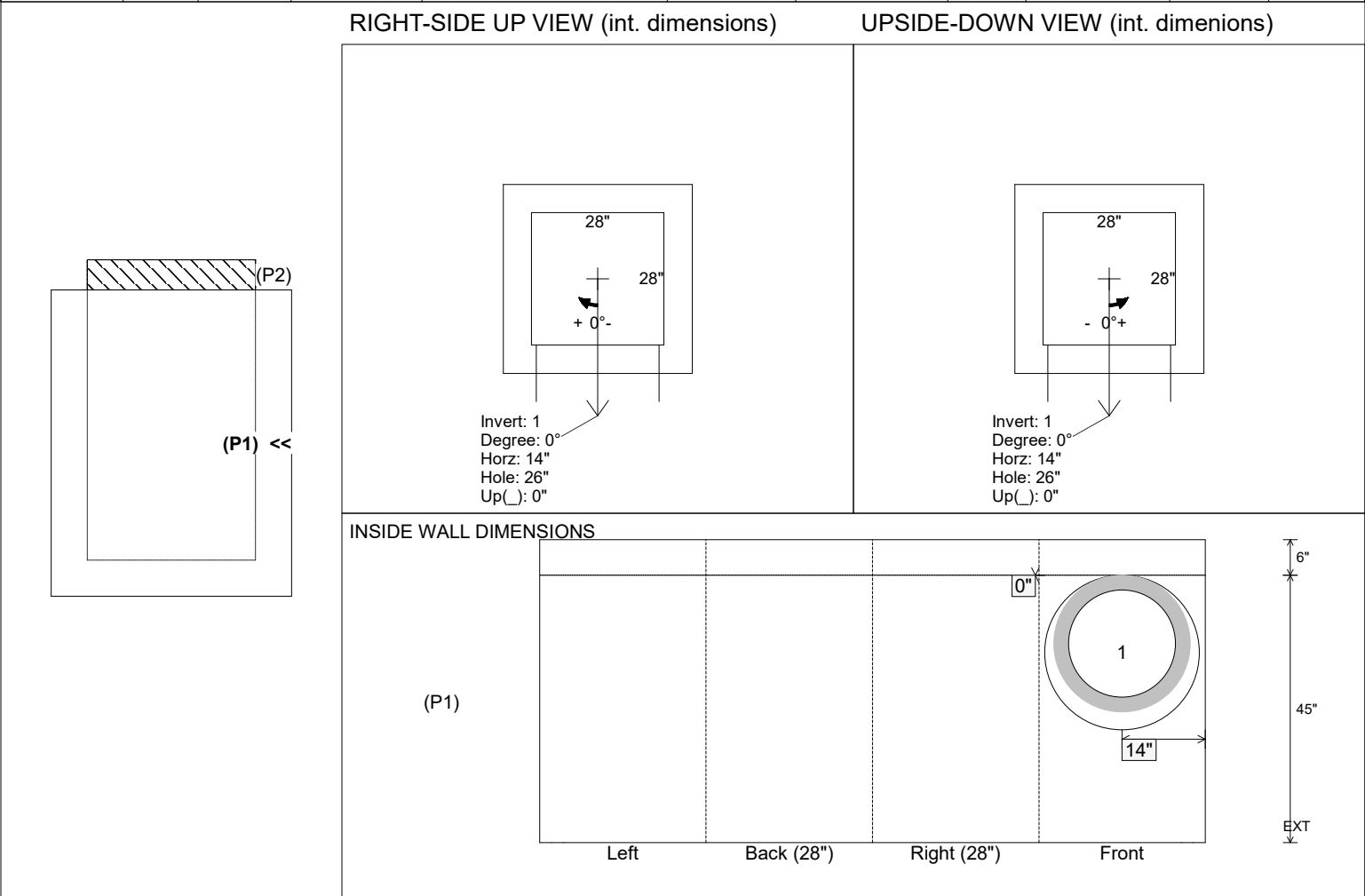
P1 BX28280606VH

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

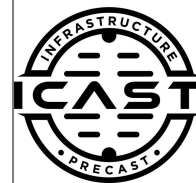
P2) 28" x 28" - CASTING HEIGHT - 5"	0 lb	Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 45"	3619 lb	
1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK	450 lb	
1) CASTING - JBS 3104-V SINGLE SET	250 lb	
1) 28" x 28" - Conseal CS-102 1.00"	0 lb	
1) Hole - 26	0 lb	
Structure Total: 4319 lb		

Rim: 574.02' Rim to Invert: 4.02' Slack: 0.74" Sump: 2.5" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	570'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



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



Weight (Net): 3619 lb
Volume (Net): 0.92cu.yd

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

Job Location: Indiana, KY

Contractor: Louisville Paving and Construction

Plant: 100

6/17/2026 5:40:47 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 6

P1 BX3636-08BA30

BOX BASE 8inW, 8inF F/n

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

P1) 36" x 36" - BOX BASE 8inW, 8inF F/n - 30"

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

2) Hole - 24

1) Hole - 12

0 lb

4676 lb

0 lb

0 lb

0 lb

Structure Total: 4676 lb

Structure Notes:

1. PER MSD CATCH BASIN TYPE 1 / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

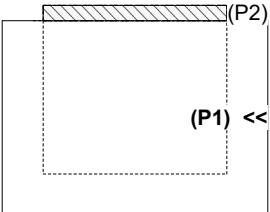
3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. HOE 595 FRAME & GRATES SUPPLIED BY OTHERS

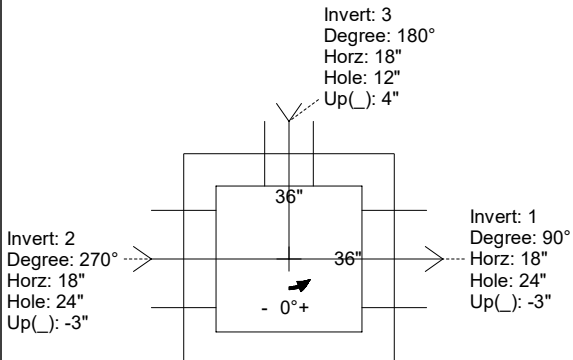
Rim: 565.67' Rim to Invert: 2.75' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	562.92'	90°	26"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"
Invert 2	562.92'	270°	26"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"
Invert 3	563.42'	180°	26"	8" CMP	9"	Hole 12	12"	12"	4"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

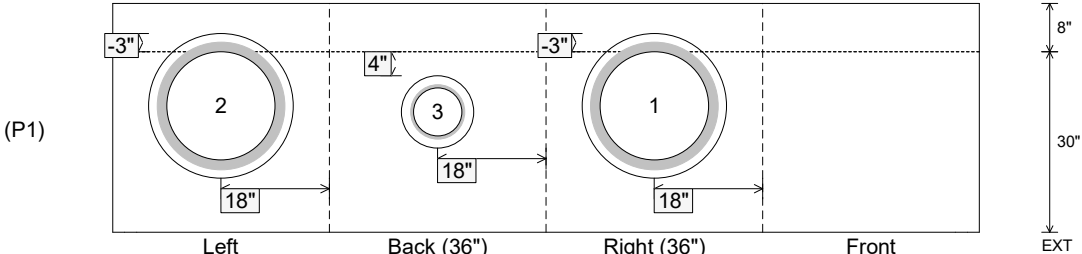
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 30"

Height (Ext): 38"

Weight (Net): 4676 lb

Volume (Net): 1.19cu.yd

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

Job Location: Indiana, KY

Contractor: Louisville Paving and Construction

Plant: 100

6/17/2026 5:40:47 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 5

P1 BX3636-08BAVF

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

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

P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 27"

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

1) Hole - 24

1) Hole - 20

0 lb

4491 lb

0 lb

0 lb

0 lb

Structure Total: 4491 lb

Structure Notes:

1. PER MSD CATCH BASIN TYPE 1 / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

4. HOE 595 FRAME & GRATES SUPPLIED BY OTHERS

Rim: 566.22'

Rim to Invert: 2.5'

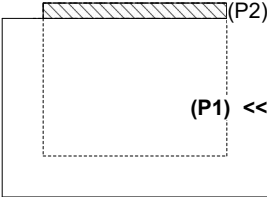
Slack: 0"

Sump: 0"

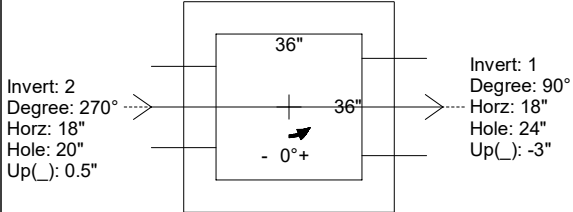
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	563.72'	90°	26"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"
Invert 2	563.97'	270°	26"	15" HDPE	17.6"	Hole 20	20"	20"	0.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

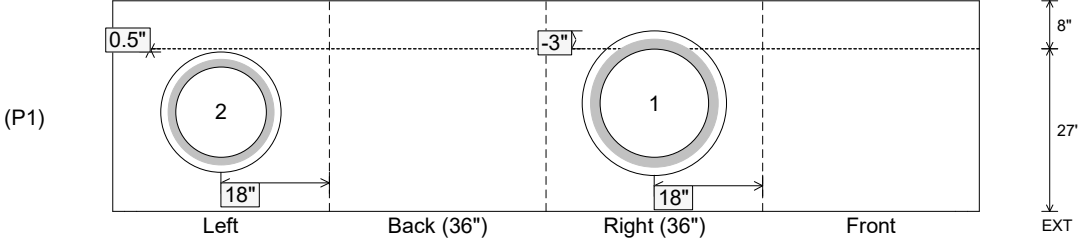
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 27"

Height (Ext): 35"

Weight (Net): 4491 lb

Volume (Net): 1.15cu.yd

Job Name: 26-1456 Double Kwik

Job Location: Whitesburg, KY

Contractor: Rising Sun Development Company

Plant: Beaver Dam

6/18/2026 3:05:40 PM

Tech: S. Felletter

PC: E. Bradley

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 88 77-6 CBIF

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 - 34"

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

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

1) Hole - 18

1) Hole - 10

0 lb

3772 lb

465 lb

0 lb

0 lb

0 lb

Structure Total: 4237 lb

Structure Notes:

1. KYTC CBI TYPE F / ASTM C913 SPECIFICATIONS.

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

3. NO INVERT CHANNEL.

4. NO STEPS.

5. CASTING BY ICAST (HOE KY-465 SET).

.

REINFORCING PER ASTM A615 (GRADE 60).

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

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

Rim: 1192.04'

Rim to Invert: 3.27'

Slack: 0.24"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1188.77'	0°	20"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"
Invert 2	1188.77'	270°	20"	6" PVC SDR35	6.25"	Hole 10	10"	10"	-2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

(P2)

(P1) <<

24"

24"

+ 0°-

Invert: 2

Degree: 270°

Horz: 12"

Hole: 10"

Up(): -2"

Invert: 1

Degree: 0°

Horz: 12"

Hole: 18"

Up(): -3"

24"

24"

- 0°+

Invert: 2

Degree: 270°

Horz: 12"

Hole: 10"

Up(): -2"

Invert: 1

Degree: 0°

Horz: 12"

Hole: 18"

Up(): -3"

INSIDE WALL DIMENSIONS

2

-2"

12"

(P1)

1

-3"

12"

Left

Back (24")

Right (24")

Front

8"

34"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 34"

Height (Ext): 42"

Weight (Net): 3772 lb

Volume (Net): 0.96cu.yd



Weight (Net): 3297 lb
Volume (Net): 0.84cu.yd

Job Name: 26-2030 - KYTC McCracken Co. Call 111 (ID 264505)

Job Location: Paducah, KY

Contractor: Jim Smith Contracting Co, LLC

Plant: 100

6/12/2026 7:49:44 AM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: 162+05 RT S-18 CBIA

P1 BX2436-08BVF

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

P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10"

P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18"

P2) 24" x 36" - FIELD ADJUSTMENT - 2"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 28"

1) CASTING - HOE KY-206 F/C (KY CBI A)

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

1) Hole - 22

3400 lb

5270 lb

0 lb

3998 lb

206 lb

0 lb

0 lb

Structure Total: 12874 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S.

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

3. HOE-KY-206 F/C CAST INTO TOP SLAB.

REINFORCING PER ASTM A615 (GRADE 60).

- TOP PHASE (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: 386.68'

Rim to Invert: 4.89'

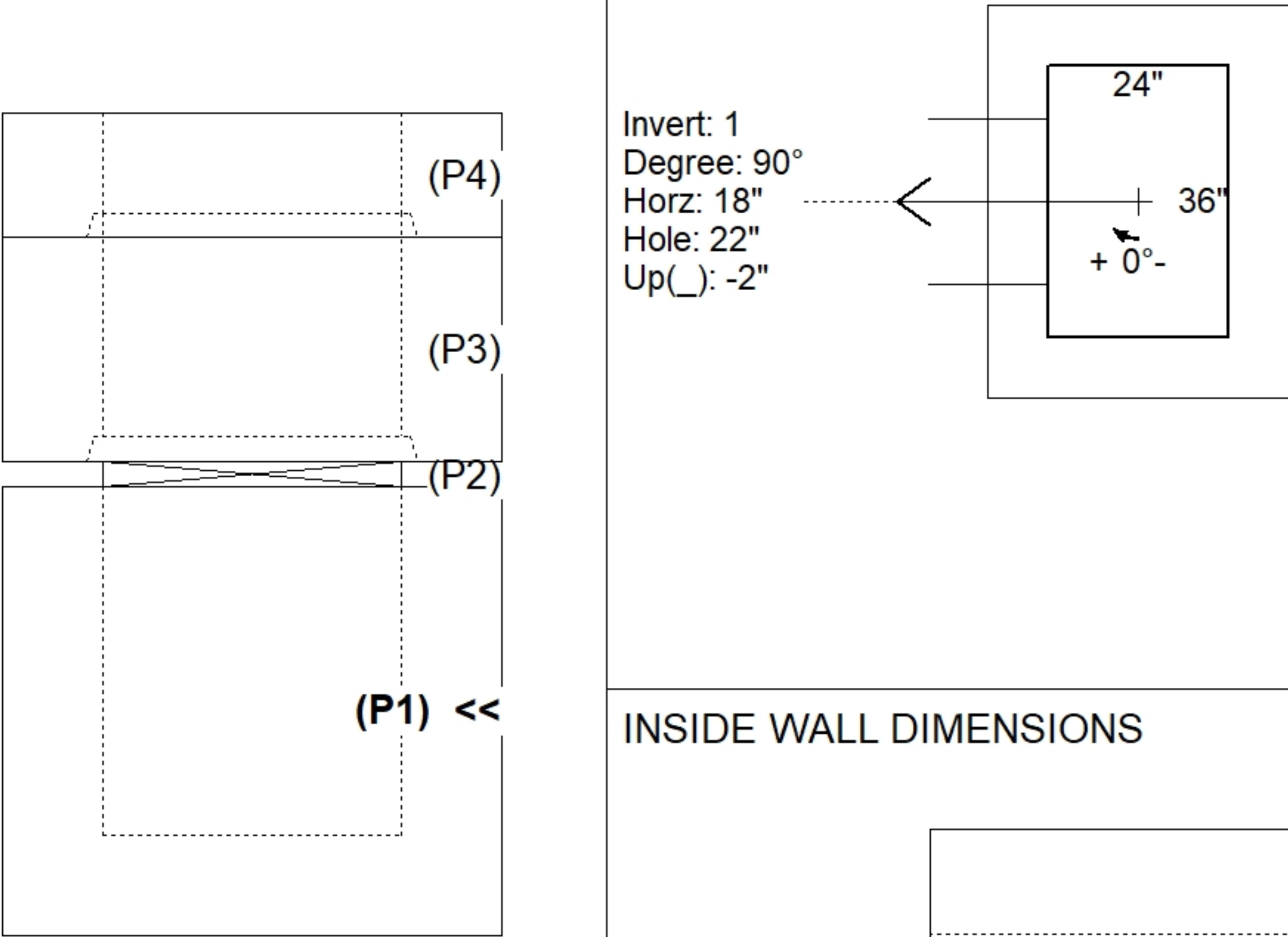
Slack: 0.68"

Sump: 0"

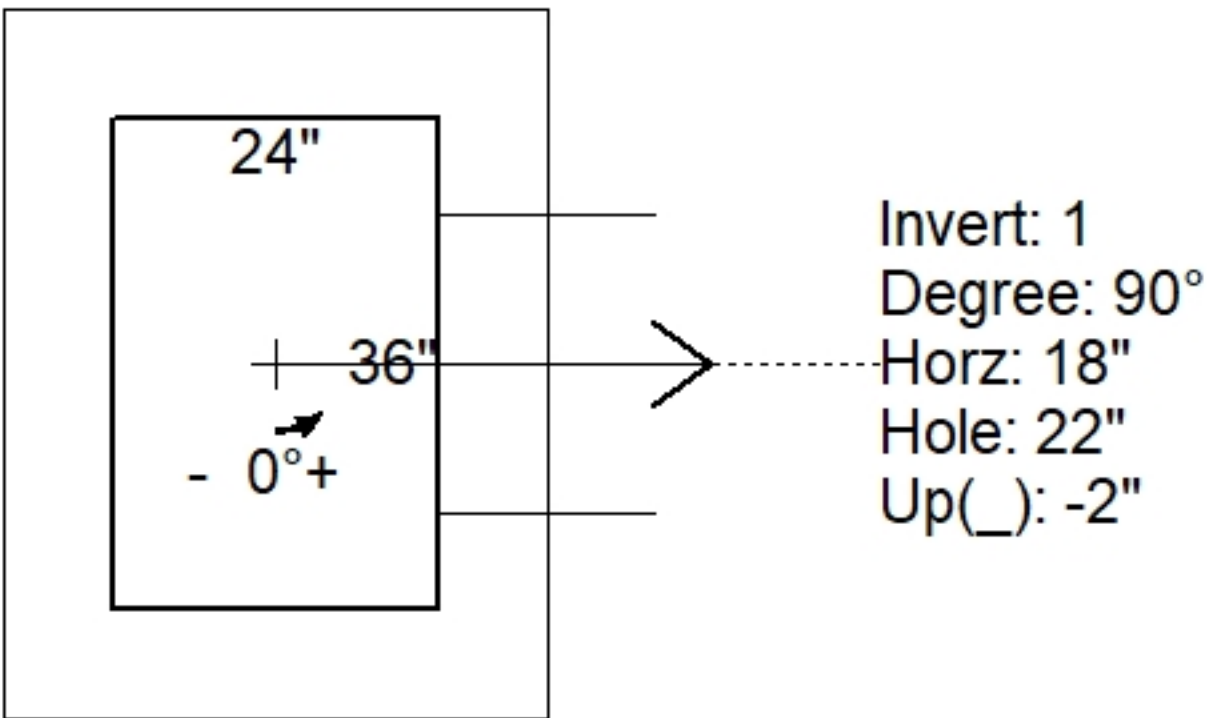
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	381.79'	90°	26"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

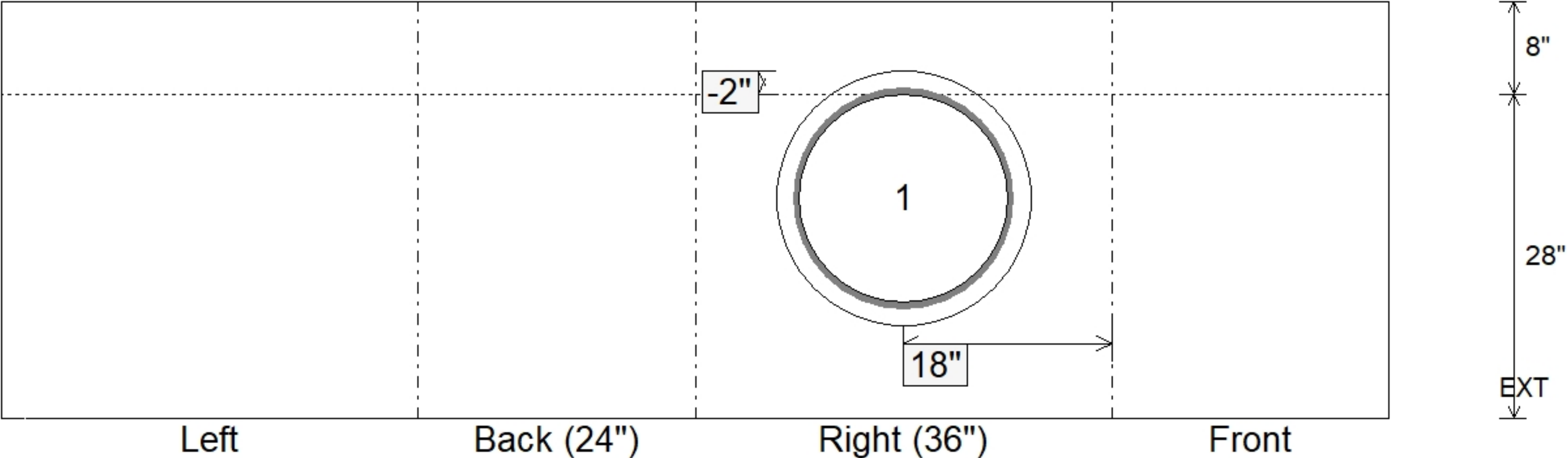
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

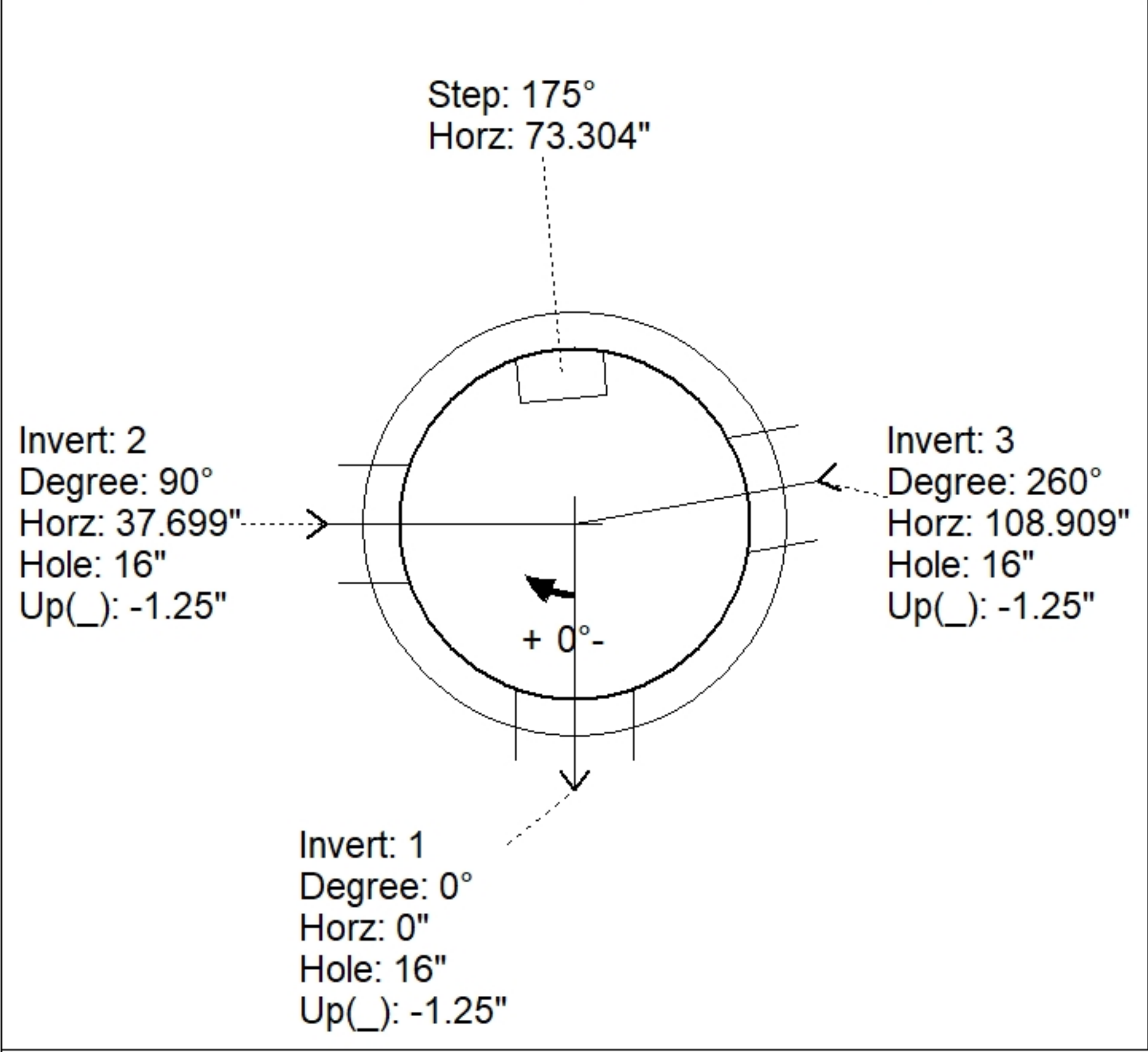
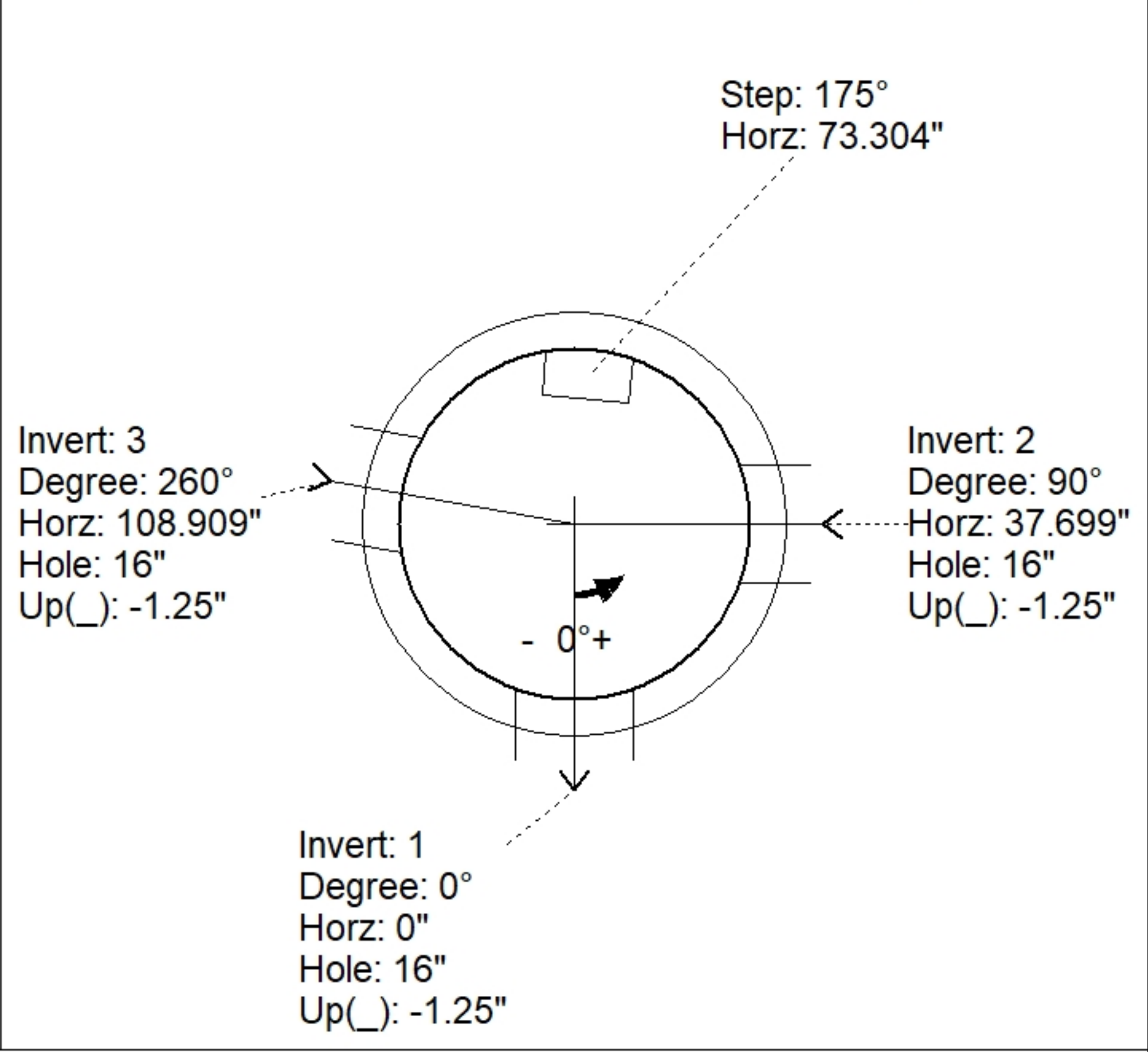
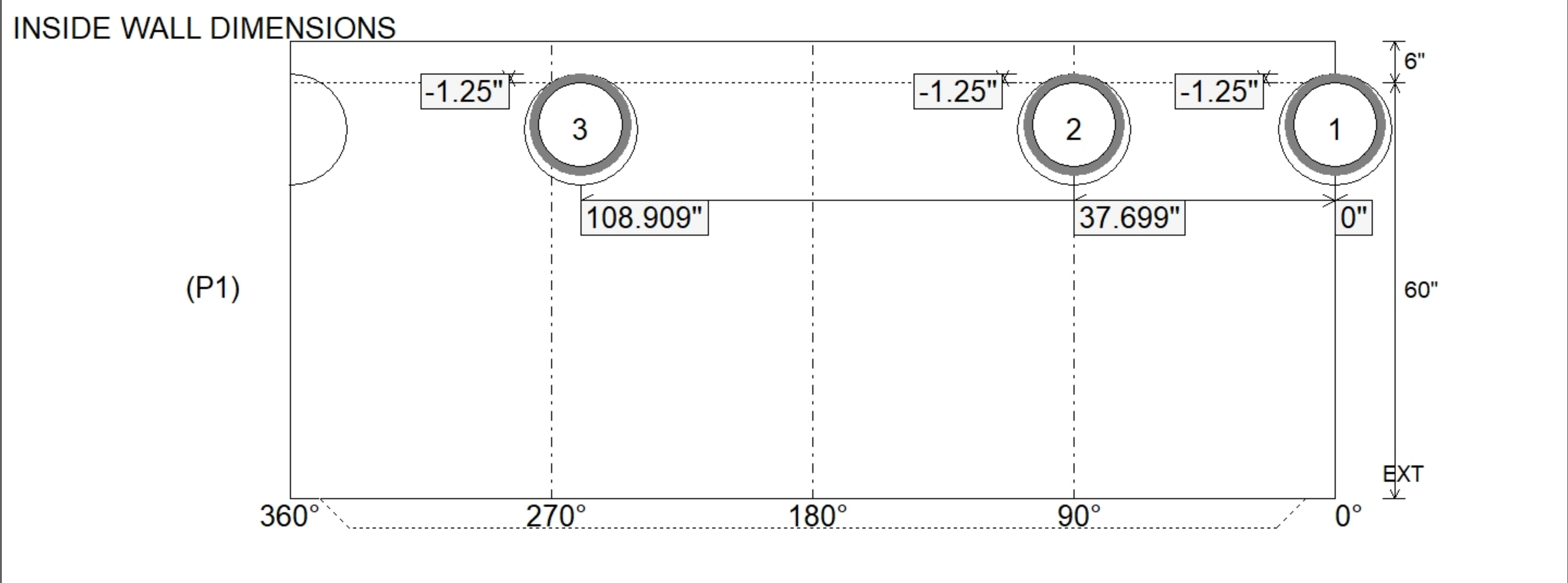
Floor Height: 8"

Height (Int): 28"

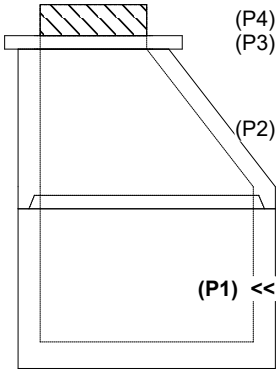
Height (Ext): 36"

Weight (Net): 3998 lb

Volume (Net): 1.02cu.yd

Job Name: 26-1279 Hilltopper Hall Ph. 2 Job Location: Bowling Green, KY Contractor: Stewart Richey					Plant: Beaver Dam 6/24/2026 8:45:24 AM		Tech: S. Felletter PC: M. Sullivan				
Structure ID: 3-4 ST-MH											
P1		MH048BA60		MH BASE T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 24" P1) 48" - MH BASE T/n - 60" 1) CASTING - HOE MCB-315-B Fr./Bar Grate 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 3) Hole - 16 7) MH Step ML-10-TDS-NCR - 10"						0 lb 1550 lb 5265 lb 255 lb 0 lb 0 lb 0 lb 0 lb ----- 7070 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,500 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE MCB-315-B). 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: 544.18' Rim to Invert: 7.6' Slack: 0.2" Sump: 0" Step Position: 175°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	536.58'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"	
Invert 2	536.58'	90°	45.553"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"	
Invert 3	536.58'	260°	131.598"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)   INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 60" Height (Ext): 66"		Weight (Net): 5265 lb Volume (Net): 1.34cu.yd		

Job Name: 25-2471 - Texas Roadhouse Job Location: Danville, KY Contractor: McCain Bros Excavating LLC					Plant: 100 6/11/2026 11:35:26 AM		Tech: Jared - F PC: M. Sullivan				
Structure ID: SSMH 1											
P1 MH048BA30		MH BASE T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 3" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE T/n - 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" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-06 NYLO 5) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 3000 lb 3282 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 7949 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 1037.5' Rim to Invert: 6.15' Slack: 0.8" Sump: 3" Step Position: 90											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1031.35'	0°	0"	6" PVC SDR26	6.25"	PSX 12-06 NYLO	12"	12.129"	0"	0"	
Invert 2	1031.45'	185°	93.625"	6" PVC SDR26	6.25"	PSX 12-06 NYLO	12"	12.129"	1.25"	0"	
Invert 3	1031.45'	275°	139.25"	6" PVC SDR26	6.25"	PSX 12-06 NYLO	12"	12.129"	1.25"	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): 30" Height (Ext): 36"	Weight (Net): 3282 lb Volume (Net): 0.84cu.yd
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Job Name: 25-2471 - Texas Roadhouse Job Location: Danville, KY Contractor: McCain Bros Excavating LLC				Plant: 100 6/11/2026 11:35:26 AM		Tech: Jared - F PC: M. Sullivan						
Structure ID: SSMH 1												
P1 MH048BA30				MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 3" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE T/n - 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" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-06 NYLO 5) MH Step ML-10-TDS-NCR - 10" Structure Total: 7949 lb						0 lb 202 lb 3000 lb 3282 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 24 lb 0 lb ----- 7949 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 1037.5' Rim to Invert: 6.15' Slack: 0.8" Sump: 3" Step Position: 90												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	1031.35'	0°	0"	6" PVC SDR26	6.25"	PSX 12-06 NYLO	12"	12.129"	0"	0"		
Invert 2	1031.45'	185°	93.625"	6" PVC SDR26	6.25"	PSX 12-06 NYLO	12"	12.129"	1.25"	0"		
Invert 3	1031.45'	275°	139.25"	6" PVC SDR26	6.25"	PSX 12-06 NYLO	12"	12.129"	1.25"	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): 30"
Height (Ext): 36"

Weight (Net): 3282 lb
Volume (Net): 0.84cu.yd



12" - SLOPED & FLARED HEADWALL F/F

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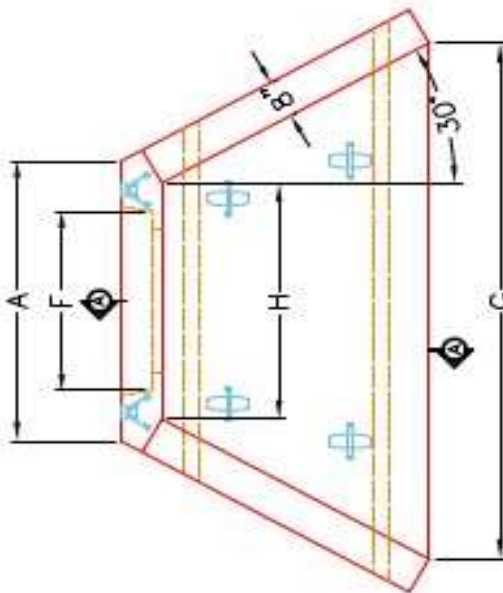


Structure ID: 24 HW

P1 HWPC36

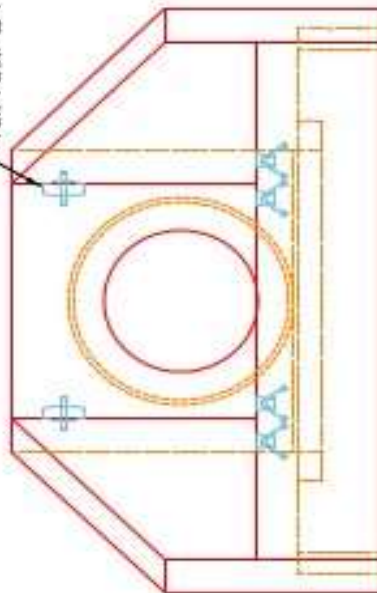
36" - PIPE CULVERT HEADWALL F/F

DIMENSIONS									
PIPE Ø	A	B	C	D	E	F	G	H	WEIGHT
36"	1'-4"	6'-4"	1'-4"	1'-4"	5'-0"	3'-0"	1'-8"	3'-4"	6,820 lbs.
42"	1'-4"	6'-4"	1'-4"	1'-4"	5'-0"	4'-0"	1'-8"	3'-4"	6,820 lbs.
48"	1'-4"	6'-4"	1'-4"	1'-4"	5'-0"	4'-0"	1'-8"	3'-4"	6,820 lbs.
54"	1'-4"	6'-4"	1'-4"	1'-4"	5'-0"	4'-0"	1'-8"	3'-4"	6,820 lbs.
60"	1'-4"	6'-4"	1'-4"	1'-4"	5'-0"	4'-0"	1'-8"	3'-4"	6,820 lbs.

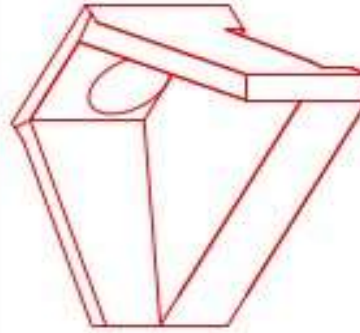


PLAN VIEW

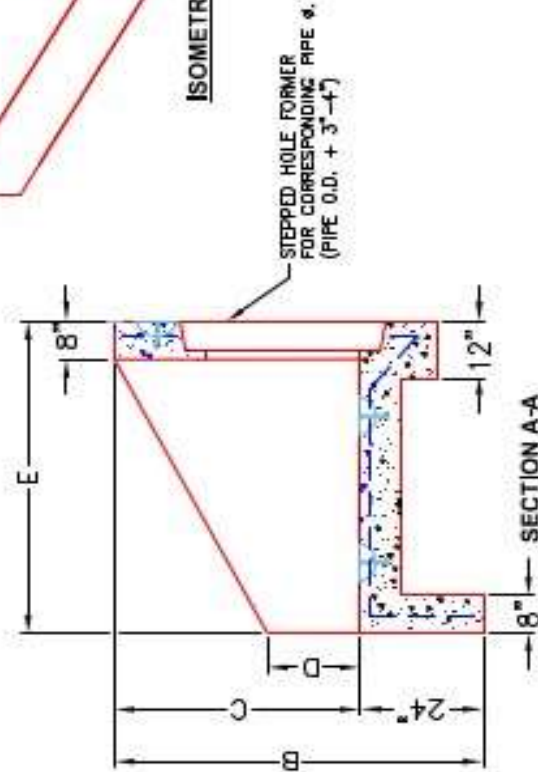
"A"-ANCHOR LIFTING SYSTEM FOR PLANT & FIELD HANDLING.



FRONT ELEVATION



ISOMETRIC VIEW



SECTION A-A

~NOTES:

1. CONCRETE: KYTC APPROVED.
2. REINFORCING: #5 BAR @ 12" C/C E.W. - GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH KYTC APPROVED NON-SHRINK GROUT.
5. DRAWING TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWING RDH-110-02, RDH-210-03 AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. 3" CHAMFER ON ALL EXPOSED EDGES.
7. PREFORMED STEPPED HOLE SIZED AS PER O.D. OF PIPE + 3"-4".

APPROVED FOR DESIGN ONLY

APPROVED
 1/20/2021 9:50 am
 KYTC ON OF CONSTRUCTION



INFRASTRUCTURE PRECAST, INC.
 601 WEST 17TH ST., MANASSAS, VA 20108
 PHONE: (703) 338-0228, FAX: (703) 338-0400

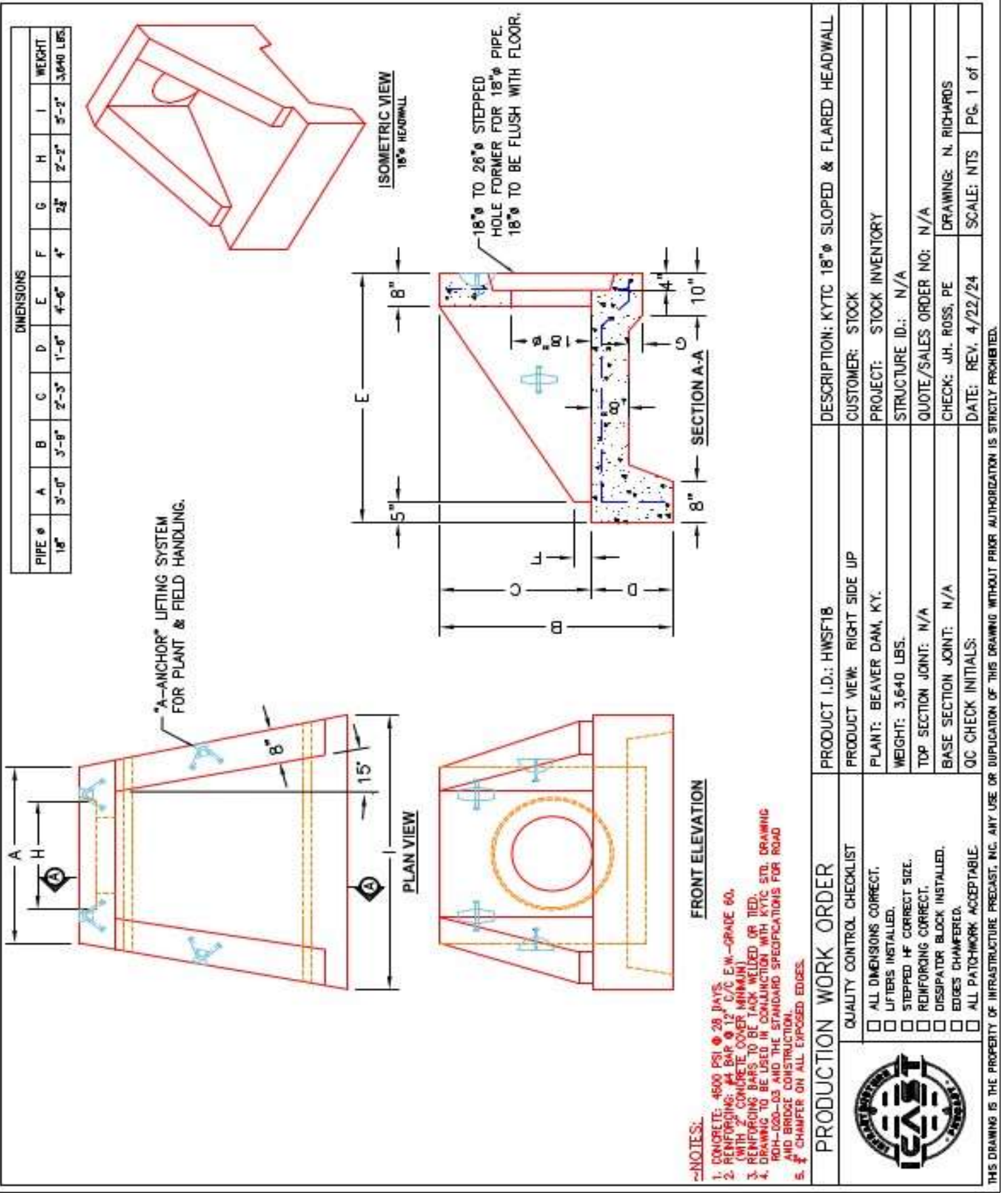
KYTC 30"-80" PIPE CULVERT HEADWALL
 DRAWING NO. I-14, RDH-110-02
 DESIGNED BY: J.H. BARDLEY, P.E.
 CHECKED BY: N. RICHARDS
 DATE: 12-14-20
 SCALE: 1/8"



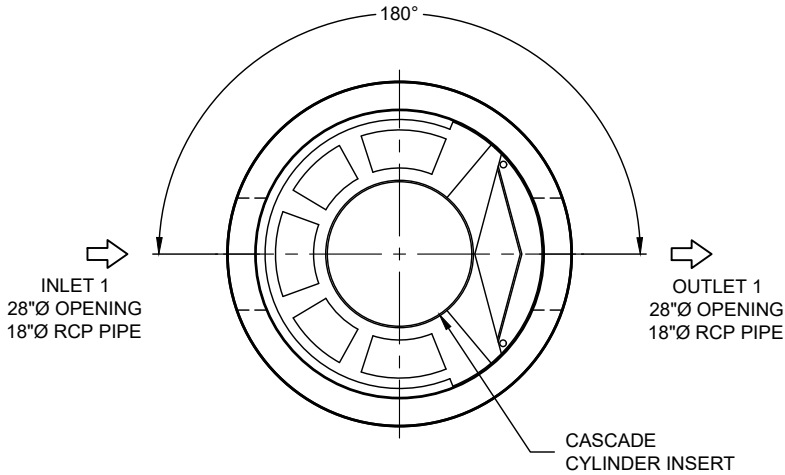
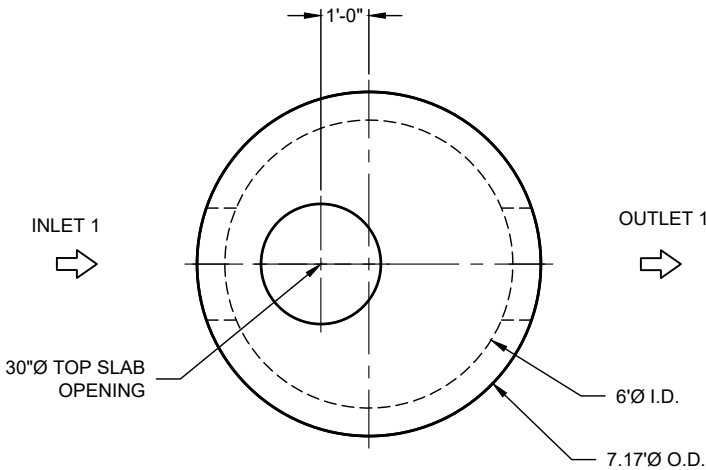
Structure ID: 52 HW

P1 HWSF18

18" - SLOPED & FLARED HEADWALL F/F



26-2659 879027 Kroger Marketplace Dearborn



MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-6 CYLINDER INSERT, STD.	325-003951	CONTECH	PRECASTER
5	CS-6 ALUMINUM INSTALLATION BRACKETS	325-003956	CONTECH	PRECASTER
1	CS-6 HARDWARE KIT	325-003965	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
1	30"Ø X 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR

GENERAL NOTES

- DESIGN LOADING - AASHTO HS-20
- ALL PRECAST CONCRETE MANUFACTURED PARTS SHALL CONFORM TO ASTM C-478, WITH MINIMUM CONCRETE STRENGTH OF 4000 PSI AT 28 DAYS
- JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
- GROUND WATER ELEVATION ASSUMED AT OUTLET INVERT
- MANUFACTURING TOLERANCE = +/- 1/2-INCH
- SOME HIDDEN LINES MAY BE OMITTED FOR CLARITY

INSTALLATION NOTES

- PRECASTER TO SHIP ACCESS CASTINGS WITH STRUCTURE
- REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- PRECASTER TO INSTALL INTERNAL COMPONENTS PRIOR TO SHIPPING UNLESS INSTRUCTED OTHERWISE BY CONTECH
- PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE
- APPLYING ALIGNMENT MARKS ON ALL PIECES OF MULTIPLE PIECE ASSEMBLIES IS ENCOURAGED
- IF STRUCTURE IS DELIVERED IN MULTIPLE SECTIONS, EACH PIECE SHALL BE LABELED WITH THE CONTECH PROJECT NUMBER, SEQUENCE NUMBER AND SITE DESIGNATION

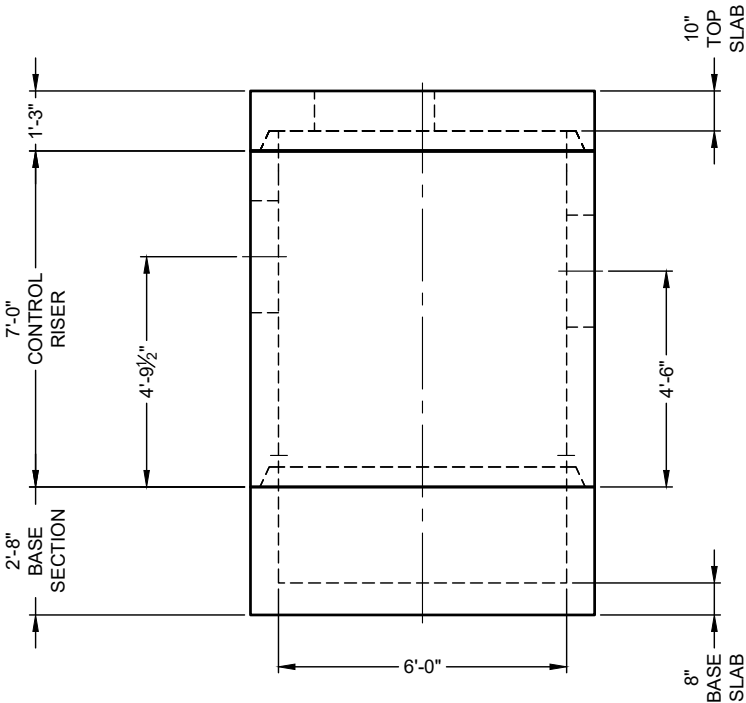
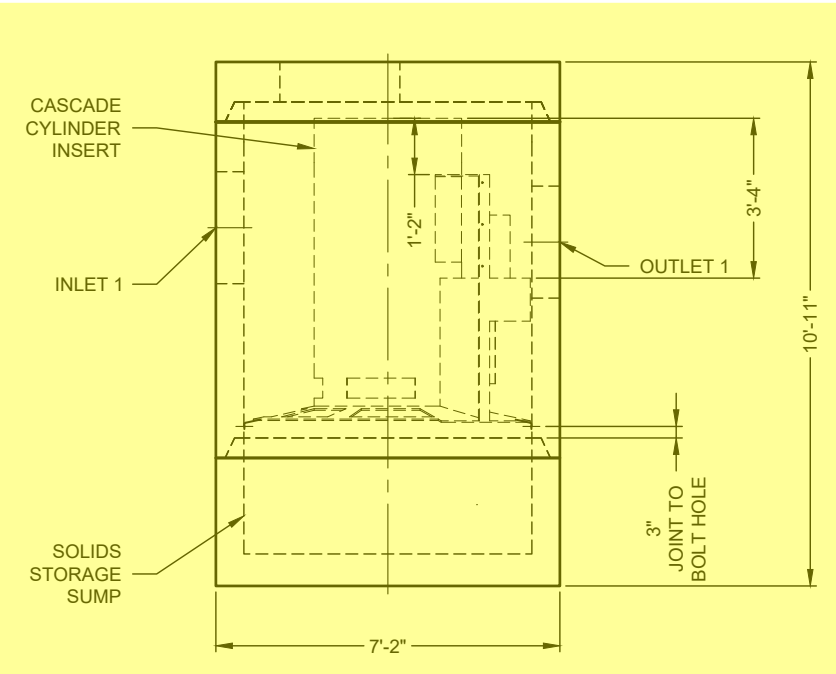
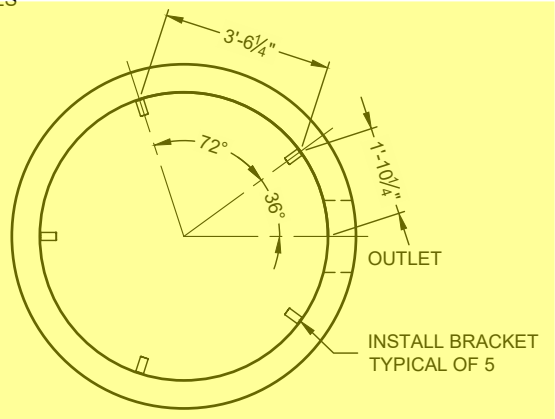
SITE INFORMATION

RIM ELEV. = 598.5+/-
TOP OF STRUCTURE = 596.50
INLET PIPE 1 INVERT ELEV. = 592.30
INLET PIPE 1 DIAMETER AND MATERIAL = 18"Ø RCP
OUTLET PIPE INVERT ELEV. = 592.00
OUTLET PIPE DIAMETER AND MATERIAL = 18"Ø RCP
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 585.59

STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 12500 LBS.
STRUCTURE IS DELIVERED IN 3 PIECES

TOP SLAB = 5000 LBS.
CONTROL RISER = 12500 LBS.
BASE SECTION = 8500 LBS.



SEE INSTALLATION NOTE A

ICAST
5888 / 757440
LAYOUT 1A
12.38TS

CONTECH
FABRICATION
DRAWING

SUPPORT BRACKET LAYOUT PLAN VIEW

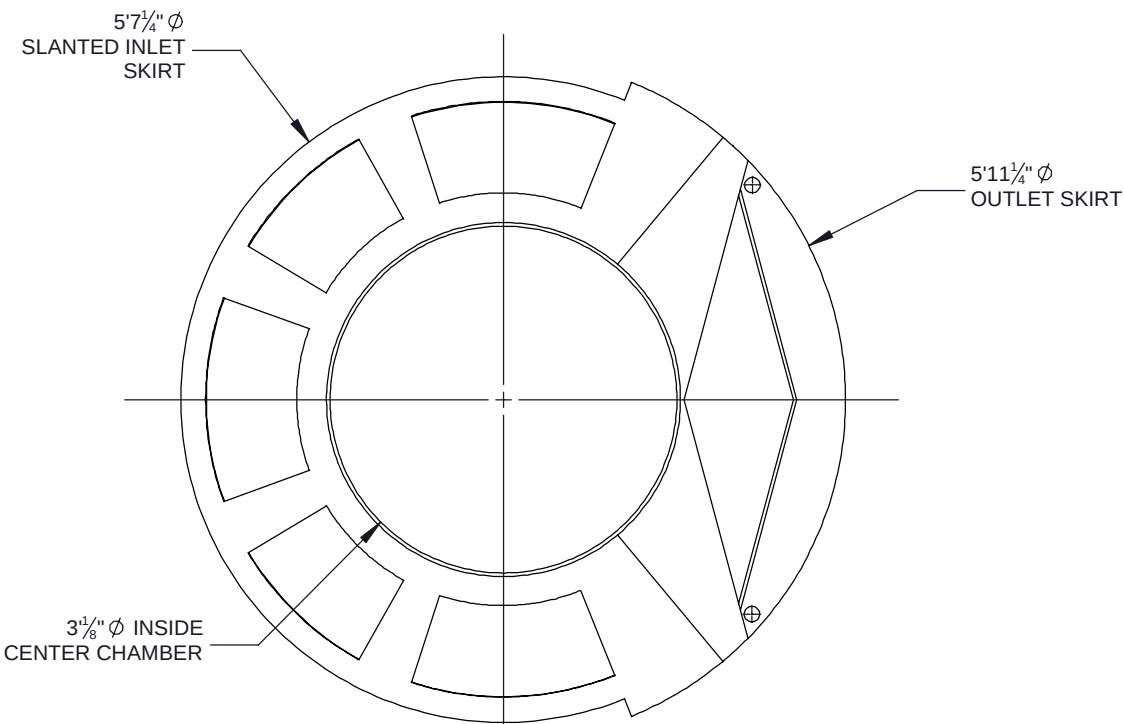
CS-6 - 879027-010
KROGER MARKET PLACE - DEARBORN
DEARBORN, MI
SITE DESIGNATION: WQU2

CONTECH
ENGINEERED SOLUTIONS LLC
A CONTECH COMPANY
910 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-245-7000 513-945-7893 FAX
CASCADE
separator
FOR PATENT INFORMATION, GO TO www.conteches.com/FP

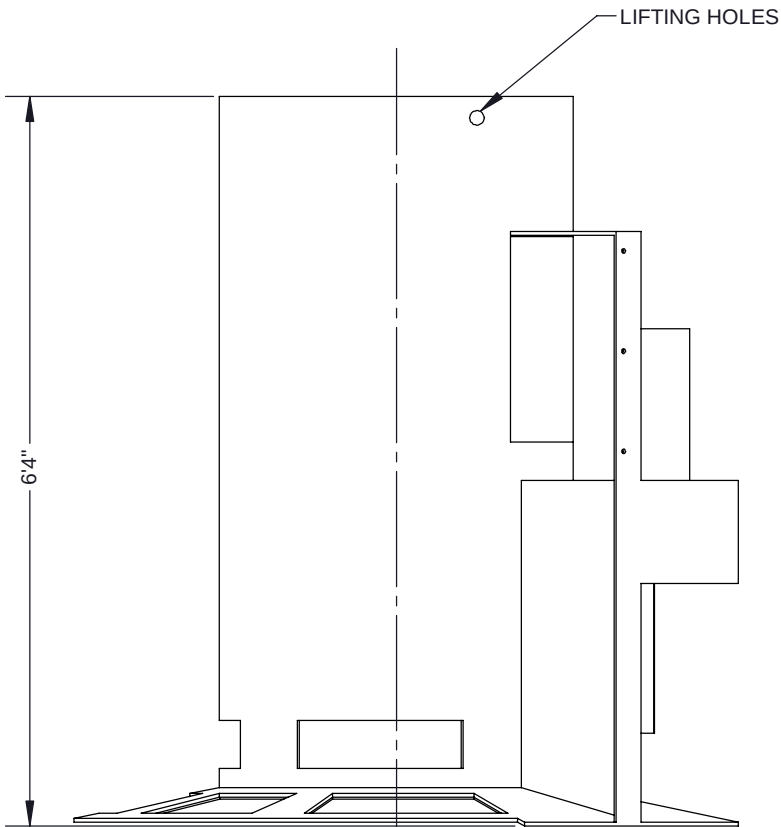
DATE: 3/27/26
DESIGNED: JRP
CHECKED: MSB
PROJECT No.: 879027
SEQUENCE No.: 010
SHEET: 1 OF 1

MSB
CORRECTED ELEVATIONS
DATE
MARK
REVISION DESCRIPTION
BY

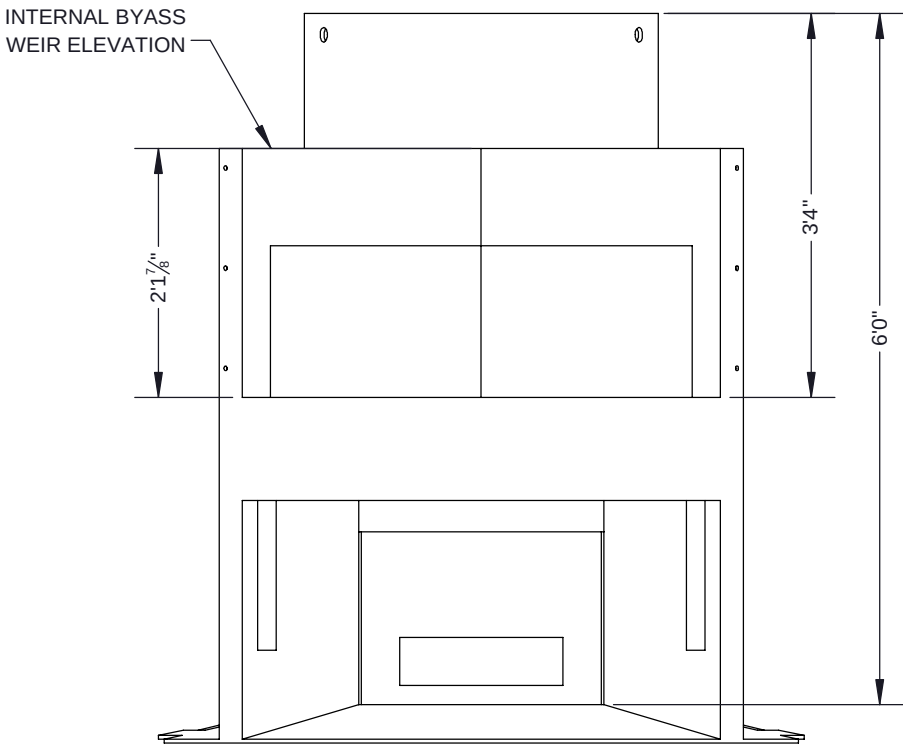
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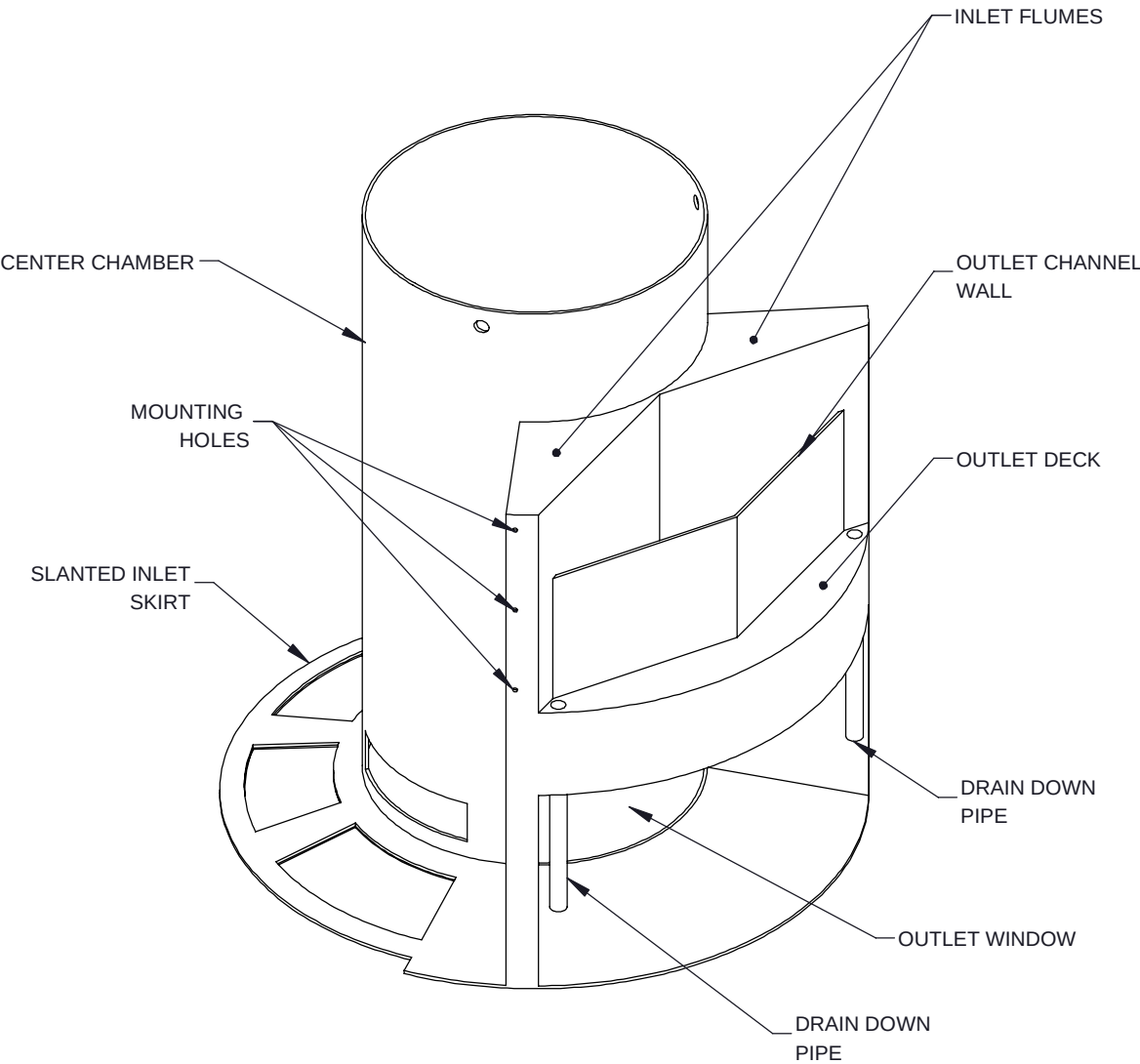
PLAN VIEW



ELEVATION VIEW



ELEVATION VIEW: OUTLET SIDE



ISOMETRIC VIEW

- NOTES:
1. SEE CASCADE SEPARATOR INSTALLATION GUIDE FOR ADDITIONAL INFORMATION

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800-338-1122 513-645-7000 513-645-7993 FAX

REFERENCE DETAIL
INTERNALS CS-6
CASCADE SEPARATOR

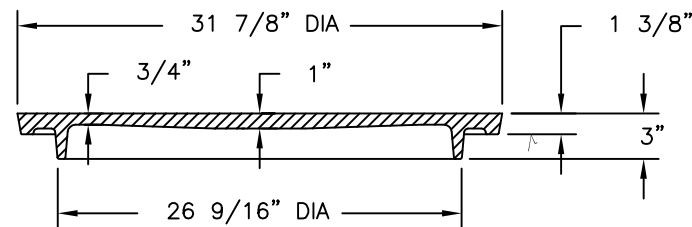
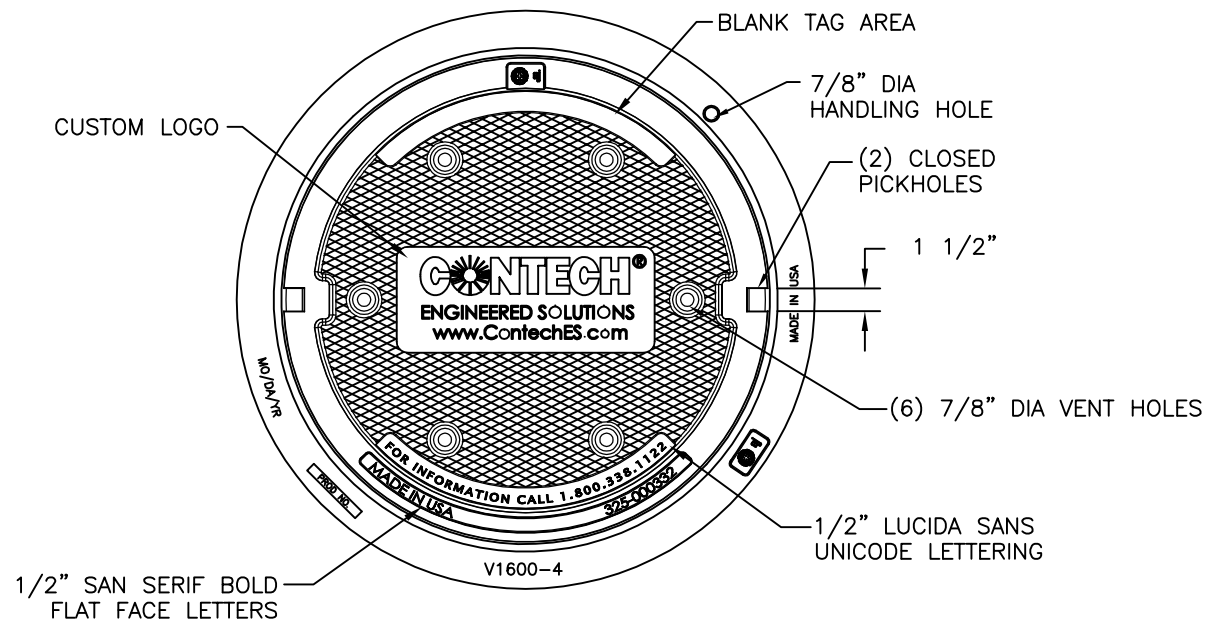
THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

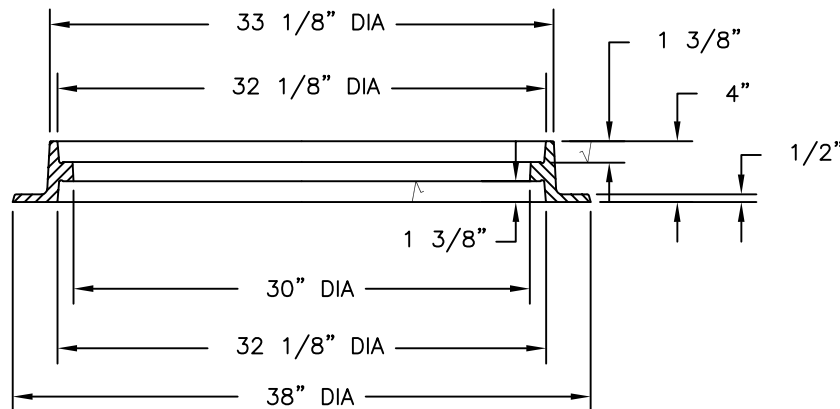
TOLERANCES:
FRACTIONAL $\pm 1/16$
ANGLES ± 1 DEGREE
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.030

PART NUMBER: 325-003951		
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.15	REV: B
SCALE: N/A	SHEET 1 OF 1	

1810B4 V1600-4 Assembly



COVER SECTION



FRAME SECTION

Product Number

41600483

Design Features

- Materials
 - Cover
 - Gray Iron (CL35B)
 - Frame
 - Gray Iron (CL35B)

- Design Load
 - Heavy Duty
- Open Area
 - n/a
- Coating
 - Undipped
- ✓ Designates Machined Surface

Certification

- ASTM A48
- Country of Origin: USA

Major Components

00180783
41600410

Drawing Revision

05/09/2007 Designer: SMH
6/26/2017 Revised By: DAE

Disclaimer

Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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Contact

800 626 4653
ejco.com

Job Name: 24-3511 Coles Ferry Section 18 & 19 Job Location: Lebanon, TN Contractor: Covenant Constructors, LLC							Plant: Beaver Dam, KY 6/18/2026 11:10:49 AM		Tech: J. Horsley PC: A. Chambers														
Structure ID: CB11 - add 24in HT Riser																							
P1		BX2864-06RVF			BOX RISER 6inW, Variable Ht FTB F/F																		
P1) 28" x 64" - BOX RISER 6inW, Variable Ht FTB F/F - 24" 1) CASTING - JBS 3101 Double Set (F/G/H) 1) 28" x 64" - Conseal CS-102 1.00" 2) LINTEL BAR SLOT n/n - 7"x1"							2506 lb 1238 lb 0 lb 0 lb ----- 3744 lb Structure Total:		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (2ea. JBS 3101 F/G/H/) REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.														
Rim: 2'		Rim to Invert: 0.085'		Slack: 0"		Sump: 0"		Step Position:															
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset													
Invert 1																							
Invert 2																							
Invert 3	1.915'	90°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	23"	0"													
Invert 4	1.915'	270°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	23"	0"													
Invert 5																							
Invert 6																							
Invert 7																							
Invert 8																							
RIGHT-SIDE UP VIEW (int. dimensions) (P1) << Invert: 3 Degree: 90° Horz: 32" Hole: 7" x 1" Up(): 23" 28" 64" + 0°- Invert: 4 Degree: 270° Horz: 32" Hole: 7" x 1" Up(): 23" INSIDE WALL DIMENSIONS (P1) Front Back (28") Left Right EXT 24" 32" (64") 23" 23" <tr><td colspan="4">Coating (Int): Coating (Ext):</td><td colspan="2">Seam Up: Flat Seam Dn: Flat</td><td colspan="2">Wall Thickness: 6" Floor Height: 0"</td><td colspan="2">Height (Int): 24" Height (Ext): 24"</td><td colspan="2">Weight (Net): 2506 lb Volume (Net): 0.64cu.yd</td></tr>												Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 24" Height (Ext): 24"		Weight (Net): 2506 lb Volume (Net): 0.64cu.yd	
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 24" Height (Ext): 24"		Weight (Net): 2506 lb Volume (Net): 0.64cu.yd													

Job Name: 26-1279 Hilltopper Hall Ph. 2

Job Location: Bowling Green, KY

Contractor: Stewart Richey

Plant: Beaver Dam

6/24/2026 8:45:26 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 2-7 ST-CB

P1 BX2424-08BAVF

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

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

P2) 24" x 24" - CB FLAT TOP 8"W w/18"x18" HOLE F/F - 6"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 51"

1) CASTING - HOE 165A F/G

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

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

2) Hole - 16

0 lb

642 lb

5165 lb

138 lb

0 lb

0 lb

0 lb

Structure Total: 5946 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO INVERT CHANNEL.

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

REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

Rim: 542.83'

Rim to Invert: 5.11'

Slack: 0.32"

Sump: 0"

Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	537.72'	30°	24.619"	12" HDPE	14.5"	Hole 16	16"	18.475"	-1.25"	-6"
Invert 2	537.72'	180°	20"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P3)

(P2)

(P1) <<

Invert: 2

Degree: 180°

Horz: 12"

Hole: 16"

Up(): -1.25"

Invert: 1

Degree: 30°

Horz: 12"

Hole: 16"

Up(): -1.25"

UPSIDE-DOWN VIEW (int. dimenions)

(P3)

(P2)

(P1) <<

Invert: 2

Degree: 180°

Horz: 12"

Hole: 16"

Up(): -1.25"

Invert: 1

Degree: 30°

Horz: 12"

Hole: 16"

Up(): -1.25"

INSIDE WALL DIMENSIONS

Left

Back (24")

Right (24")

Front

-1.25"

12"

-1.25"

12"

8"

51"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

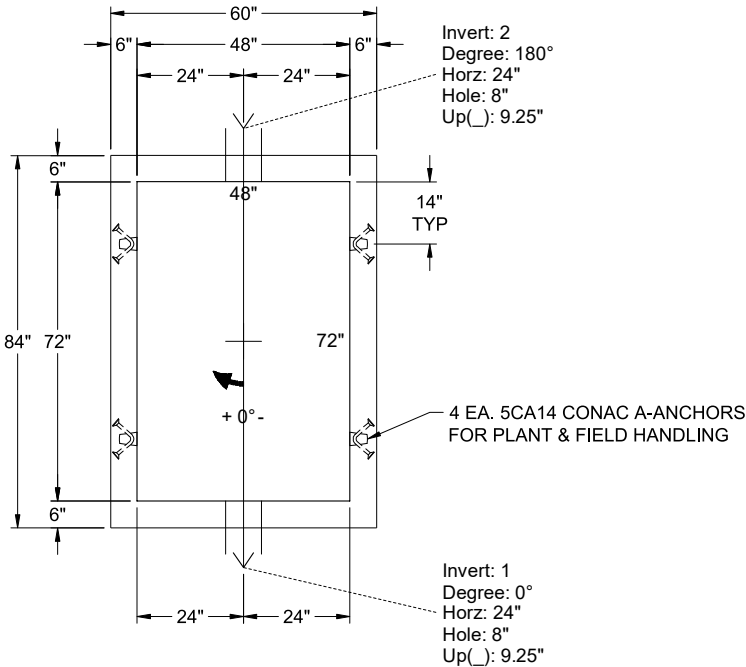
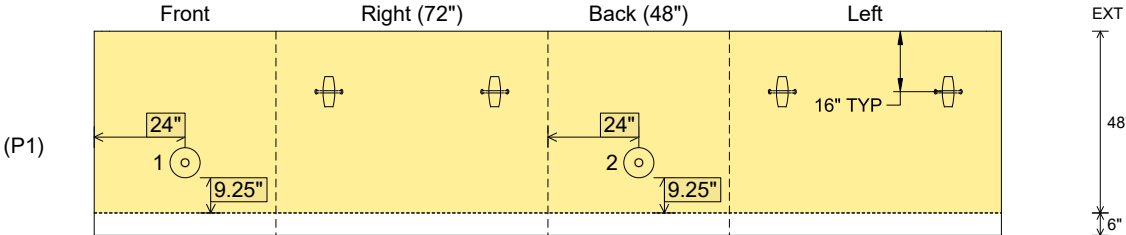
Height (Int): 51"

Height (Ext): 59"

Weight (Net): 5165 lb

Volume (Net): 1.32cu.yd

Job Name: 26-2466 - Second Look Meter Vault Job Location: CPU Contractor: Second Look Lawn & Landscape					Plant: 100 6/22/2026 2:43:51 PM		Tech: J. Horsley PC: T. Lewis				
Structure ID: QL1											
P1 BX4872-06BAVF			BOX BASE 6inW, 6inF, Variable Ht F/n								
P3) 36" x 36" - CASTING (cast in) - 3" P2) 48" x 72" - CB FLAT TOP 6"W w/36"x36" HATCH F/F - 8" P1) 48" x 72" - BOX BASE 6inW, 6inF, Variable Ht F/n - 48" 1) HATCH (Alum.) - HALLIDAY W1S 36"x36" 1) This Structure Includes a Cast-in Item - Halliday W1S 36" x 36" Hatch (Supplied by iCast) 1) SECONDARY POUR 1) 48" x 72" - Conseal CS-102 1.00" 2) PSX - 8QRS-S NYLO					0 lb 2591 lb 8867 lb 78 lb 0 lb 0 lb 0 lb 0 lb 13 lb ----- 11549 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 4. HALLIDAY W1S 36" X 36" HATCH SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID 5. WET STICK 18" X 24" #5 L-BARS @ 12" C.C. E.W. (GRADE 60) OUT OF FLOOR FOR WALL POUR TIE-IN (24 EA. L-BARS REQUIRED)				
FIRST POUR (FLOOR): 2,538 LBS SECOND POUR (WALLS): 6,329 LBS											
Rim: 4.67' Rim to Invert: 3.653' Slack: 0.04" Sump: 12.204" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1.017'	0°	30"	2" PVC SCH40	2.375"	PSX 8QRS-S NYLO	8"	8"	9.25"	0"	
Invert 2	1.017'	180°	30"	2" PVC SCH40	2.375"	PSX 8QRS-S NYLO	8"	8"	9.25"	0"	
Invert 3											
RIGHT-SIDE UP VIEW (int. dimensions)											
INSIDE WALL DIMENSIONS											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 6" Floor Height: 6"		Height (Int): 48" Height (Ext): 54"		Weight (Net): 8867 lb Volume (Net): 2.26cu.yd		

Job Name: 26-2466 - Second Look Meter Vault Job Location: CPU Contractor: Second Look Lawn & Landscape					Plant: 100 6/22/2026 2:43:51 PM		Tech: J. Horsley PC: T. Lewis				
Structure ID: QL1											
P1 BX4872-06BAVF BOX BASE 6inW, 6inF, Variable Ht F/n											
P3) 36" x 36" - CASTING (cast in) - 3" P2) 48" x 72" - CB FLAT TOP 6"W w/36"x36" HATCH F/F - 8" P1) 48" x 72" - BOX BASE 6inW, 6inF, Variable Ht F/n - 48" 1) HATCH (Alum.) - HALLIDAY W1S 36"x36" 1) This Structure Includes a Cast-in Item - Halliday W1S 36" x 36" Hatch (Supplied by iCast) 1) SECONDARY POUR 1) 48" x 72" - Conseal CS-102 1.00" 2) PSX - 8QRS-S NYLO					0 lb 2591 lb 8867 lb 78 lb 0 lb 0 lb 0 lb 0 lb 13 lb ----- Structure Total: 11549 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 4. HALLIDAY W1S 36" X 36" HATCH SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID 5. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN				
FIRST POUR (FLOOR): 2,538 LBS SECOND POUR (WALLS): 6,329 LBS											
Rim: 4.67' Rim to Invert: 3.653' Slack: 0.04" Sump: 12.204" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1.017'	0°	30"	2" PVC SCH40	2.375"	PSX 8QRS-S NYLO	8"	8"	9.25"	0"	
Invert 2	1.017'	180°	30"	2" PVC SCH40	2.375"	PSX 8QRS-S NYLO	8"	8"	9.25"	0"	
Invert 3											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: n/a		Wall Thickness: 6" Floor Height: 6"		Height (Int): 48" Height (Ext): 54"		Weight (Net): 8867 lb Volume (Net): 2.26cu.yd	

Job Name: 26-1899 - Gateway 65 Industrial Road

Job Location: Franklin, KY

Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:34:14 PM

Tech: Jared - F

PC: E. Bardley



Structure ID: 39 ST-DCI

P1 BX036084-08BAVF

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

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

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

P1) 36" x 84" - BOX BASE 8inW, 8inF, Variable Ht F/n - 52"

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

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

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

2) Hole - 46

0 lb

2911 lb

10754 lb

442 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 14107 lb

Structure Notes: .

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO STEPS AND NO INVERT CHANNEL.

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

REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

Rim: 693.34' Rim to Invert: 5.52' Slack: 0.24" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	687.82'	90°	50"	36" RCP B WALL	44"	Hole 46	46"	46"	-4"	0"
Invert 2	687.82'	270°	50"	36" RCP B WALL	44"	Hole 46	46"	46"	-4"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 1
Degree: 90°
Horz: 42"
Hole: 46"
Up(_): -4"

36"

+ 84"

+ 0°

Invert: 2
Degree: 270°
Horz: 42"
Hole: 46"
Up(_): -4"

UPSIDE-DOWN VIEW (int. dimensions)

1ST POUR (FLOOR) = 3,490 LBS

2ND POUR (WALLS) = 7,264 LBS

(P3)

(P2)

(P1) <<

1ST POUR (FLOOR)

STUB #5 L BARS OUT

TOP FLOOR, SPA AT

12" C/C FOR

CONNECTING WALLS

INSIDE WALL DIMENSIONS

Front

Right (84")

Back (36")

Left

42"

42"

1

2

4"

4"

EXT

52"

8"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 52"

Height (Ext): 60"

Weight (Net): 10754 lb

Volume (Net): 2.75cu.yd

Weight (Net): 10754 lb
Volume (Net): 2.75cu.yd



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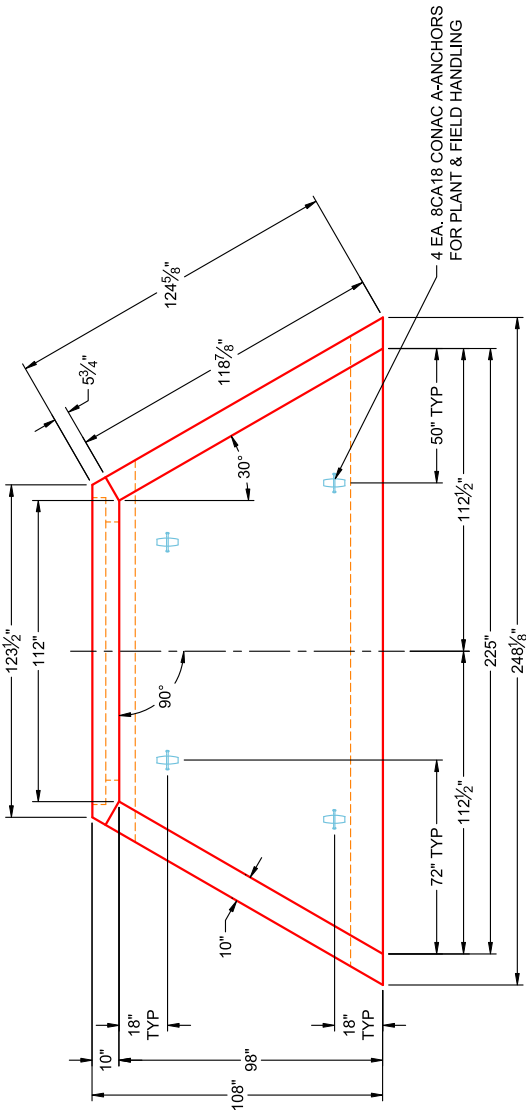
Structure ID: St. 43+62 HW (2)

P1 HWCUSTOM

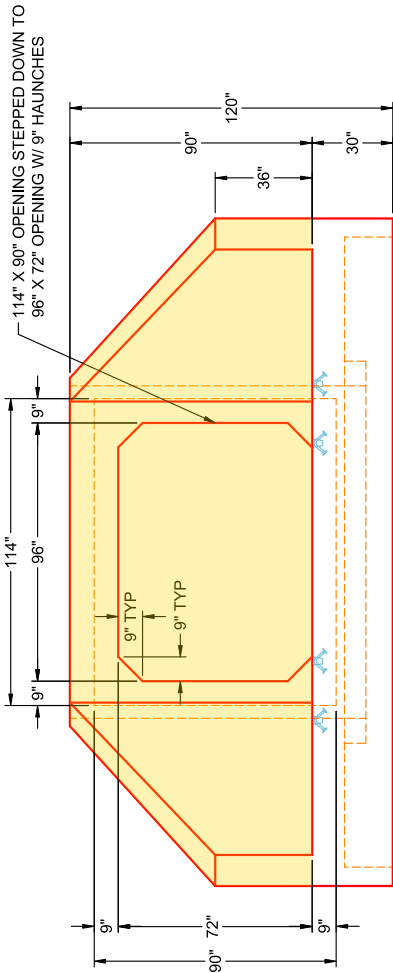
96" x 72" - BOX CULVERT HEADWALL F/F

GENERAL NOTES:

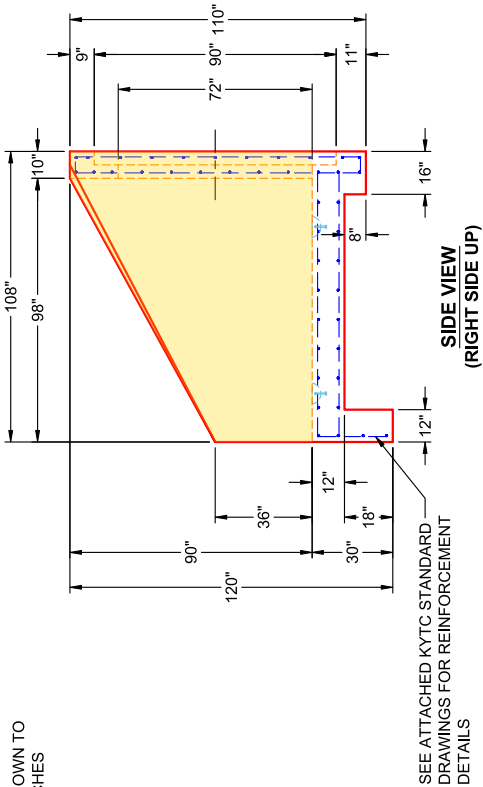
- DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWINGS RDH-1005-02, RDH-1105-02, RDH-1200-02, & RDH-1302-03
- REINFORCEMENT PER KYTC STANDARD DRAWINGS RDH-1005-02, RDH-1200-02, & RDH-1302-03 - 2" MIN. REBAR CLEARANCE (TYP)
- CONCRETE: 5,000 PSI AT 28 DAYS
- TOTAL WEIGHT: 40,775 LBS
- FIRST POUR: 25,575 LBS
- SECOND POUR: 15,200 LBS



PLAN VIEW
(RIGHT SIDE UP)

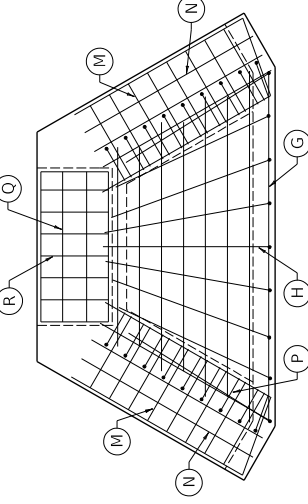


FRONT VIEW
(RIGHT SIDE UP)

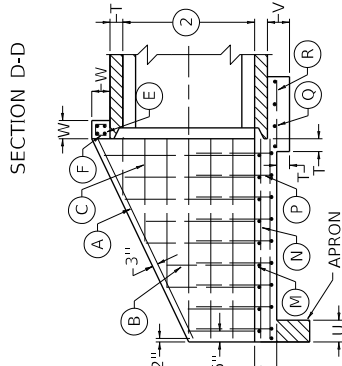


SIDE VIEW
(RIGHT SIDE UP)

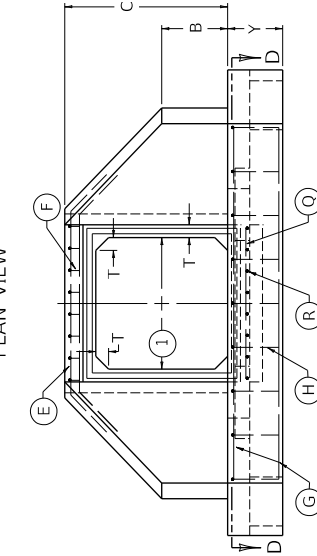
PRODUCTION WORK ORDER		PRODUCT I.D.: HWCUSTOM	DESCRIPTION: 96" X 72" BOX CULVERT HEADWALL - 0° SKEW
ICAST INFRASTRUCTURE PRECAST	QUALITY CONTROL CHECKLIST		CUSTOMER: JIM SMITH CONTRACTING
	☐ ALL DIMENSIONS CORRECT.		PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)
	☐ ALL DIMENSIONS CORRECT.		STRUCTURE: ST. 43+62 HW (2)
	☐ LIFTERS INSTALLED		ORDER NO: 24-1643B
	☐ OPENING CENTERED.		PE: J.H. ROSS
☐ REINFORCING CORRECT.		TOP SECTION JOINT: N / A	DRAWING: K. CARDWELL
☐ SURFACE QUALITY ACCEPTABLE.		BASE SECTION JOINT: N / A	DATE: 05/28/26
☐ EDGES CHAMFERED.		QC CHECK INITIALS:	SCALE: NTS
☐ ALL PATCHWORK ACCEPTABLE.		PG. 1 OF 1	



SECTION D-D



SECTION A-A



NOTES

- DWGS. RDH-1100, RDH-1200 AND RDH-1300 SERIES.
CE.

KENTUCKY

PRECAST BOX CULVERT
HEADWALLS - 0° SKEW
(BOX RISE 6'-0" OR GREATER)

STANDARD DRAWING NO. BDH-1005-02

SUBMITTED _____

0 00000 000 000000
 0 00000 000 000000
 0 00000 000 000000

DIMENSION	PRECAST BOX CULVERT														DIMENSION	
	7'x4'	7'x5'	7'x6'	7'x7'	8'x4'	8'x5'	8'x6'	8'x7'	8'x8'	9'x5'	9'x6'	9'x7'	9'x8'	9'x9'		
	6'-0"	7'-0"	8'-2"	9'-2"	6'-0"	7'-0"	8'-2"	9'-2"	10'-2"	7'-2"	8'-4"	9'-4"	10'-4"	11'-4"	A	
	2'-0"	2'-6"	3'-0"	3'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	B	
	5'-4"	6'-4"	7'-6"	8'-6"	5'-4"	6'-4"	7'-6"	8'-6"	9'-6"	6'-5"	7'-7"	8'-7"	9'-7"	10'-7"	C	
	8'-4"			9'-4"			9'-4"			10'-6"					E	
	6'-11"	8'-1"	9'-5"	10'-7"	6'-11"	8'-1"	9'-5"	10'-7"	11'-9"	8'-3"	9'-7"	10'-9"	11'-11"	13'-1"	F	
	15'-3"	16'-5"	17'-9"	18'-11"	16'-3"	17'-5"	18'-9"	19'-11"	21'-1"	18'-9"	20'-1"	21'-3"	22'-5"	23'-7"	H	
	7'-8"	8'-2"	8'-11"	9'-6"	8'-2"	8'-8"	9'-5"	10'-0"	10'-6"	9'-5"	10'-1"	10'-8"	11'-3"	11'-10"	J	
	0'-5"	0'-6"			0'-5"			0'-6"			0'-6"			M		
					0'-8"			0'-9"							T	
	1'-0"														U	
	0'-8"	1'-0"			0'-8"			1'-0"			0'-8"			1'-0"		V
	0'-8"	0'-10"			0'-8"			0'-10"			0'-8"			0'-10"		W
	----	2'-0"			----			2'-0"			2'-0"			2'-6"		X
	2'-0"	2'-6"			2'-0"			2'-6"			2'-0"			3'-0"		Y
	----	1'-3"			----			1'-3"			1'-9"			1'-9"		Z

KENTUCKY DEPARTMENT OF HIGHWAYS	
DIMENSIONS 7'x4' - 9'x9' HEADWALLS PRECAST BOX CULVERT 0° SKEW	
STANDARD DRAWING NO. RDH-1105-02	
SUBMITTED _____	SECTION ENGINEER OF DESIGN _____ DATE _____
APPROVED _____	STATE HIGHWAY ENGINEER _____ DATE _____

BOX SIZE ①	CONCRETE 2 HEADWALLS					REINFORCEMENT 2 HEADWALLS	
	②	③	④	⑤	⑥	⑦	⑧
3 X 2	3.17	0.82	—	—	—	271	—
3 X 3	4.39	0.94	—	—	—	365	—
4 X 2	3.74	0.96	—	—	—	311	—
4 X 3	5.06	1.07	—	—	—	389	—
4 X 4	6.60	1.18	—	—	—	497	—
5 X 3	5.76	1.20	—	—	—	430	—
5 X 4	7.39	1.32	—	—	—	576	—
5 X 5	9.24	1.43	—	—	—	681	—
6 X 3	6.51	1.34	—	—	—	483	—
6 X 4	8.22	1.45	—	—	—	603	—
6 X 5	10.16	1.57	—	—	—	738	—
6 X 6	19.81	2.39	2.24	3.26	18.43	1619	273
7 X 4	9.10	1.59	—	—	—	652	—
7 X 5	11.13	1.70	—	—	—	796	—
7 X 6	21.08	2.54	2.56	3.43	19.40	1678	292
7 X 7	24.13	2.67	3.00	3.69	22.15	2092	353
8 X 4	9.59	1.68	—	—	—	693	—
8 X 5	11.67	1.80	—	—	—	805	—
8 X 6	21.80	2.65	2.78	3.54	19.90	1736	325
8 X 7	24.88	2.78	3.25	3.80	22.64	2117	350
8 X 8	31.42	4.03	3.34	5.47	29.52	2749	427

BOX SIZE ①	CONCRETE 2 HEADWALLS					REINFORCEMENT 2 HEADWALLS	
	②	③	④	⑤	⑥	⑦	⑧
9 X 5	12.70	1.93	—	—	—	877	—
9 X 6	23.13	2.81	3.12	3.71	20.91	1791	327
9 X 7	26.26	2.93	3.62	3.97	23.68	2204	397
9 X 8	33.01	4.23	3.73	5.70	30.75	2846	479
9 X 9	36.81	4.40	4.25	6.04	34.20	3431	509
10 X 5	13.79	2.07	—	—	—	971	—
10 X 6	24.50	2.96	3.47	3.89	21.96	1972	376
10 X 7	27.69	3.09	4.00	4.14	24.75	2419	444
10 X 8	34.64	4.43	4.12	5.93	32.01	3081	482
10 X 9	38.50	4.60	4.68	6.27	35.49	3539	565
10 X 10	53.89	7.29	5.40	9.95	51.16	4748	674
11 X 4	12.60	2.09	—	—	—	870	—
11 X 6	25.92	3.11	3.83	4.06	23.04	2049	413
11 X 8	36.32	4.63	4.53	6.16	33.32	3180	534
11 X 10	56.04	7.59	5.89	10.29	52.85	4801	677
11 X 11	69.84	7.77	6.93	10.66	65.81	5688	778
12 X 4	13.72	2.22	—	—	—	903	—
12 X 6	27.39	3.26	4.19	4.23	24.17	2134	457
12 X 8	38.05	4.84	4.94	6.39	34.66	3424	587
12 X 10	60.16	7.88	6.38	10.62	56.52	5075	740
12 X 12	92.85	8.01	8.83	10.98	86.98	6916	929

① PRECAST CONCRETE BOX CULVERT SECTIONS EQUALS THE INTERIOR SPAN (S) BY THE INTERIOR RISE (R) IN FEET.

② CU. YDS. OF CONCRETE IN TWO HEADWALLS WITH PAVING.

③ CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITH PAVING).

④ CU. YDS. OF CONCRETE IN TWO PAVED AREAS OF THE HEADWALLS.

⑤ CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITHOUT PAVING).

⑥ CU. YDS. OF CONCRETE IN TWO HEADWALLS WITHOUT PAVING.

⑦ POUNDS OF REINFORCING STEEL IN TWO HEADWALLS WITH PAVING.

⑧ POUNDS OF REINFORCING STEEL TO DEDUCT WHEN PAVING FOR TWO HEADWALLS IS ELIMINATED.

KENTUCKY DEPARTMENT OF HIGHWAYS	
QUANTITIES 3' x 2' - 12' x 12' H-WALLS PRECAST BOX CULVERTS 0° SKEW	
STANDARD DRAWING NO. RDH-1200-02	
SUBMITTED _____	DIRECTOR DIVISION OF DESIGN _____ DATE _____
APPROVED _____	STATE HIGHWAY ENGINEER _____ DATE _____

