

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

Plant: Beaver Dam

6/5/2026 8:57:14 AM

Tech: S. Felletter

PC: C. Goff



Structure ID: 15-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 - 36"
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
19370 lb
37954 lb
29054 lb
39578 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 149579 lb

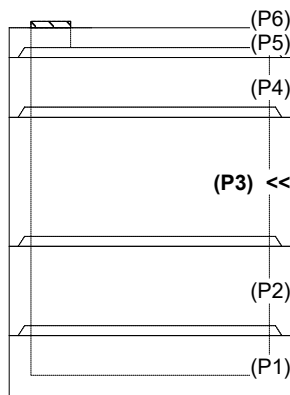
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. 4" CASTING BY OTHERS
4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE
5. ICAST TO INSTALL BRACKETS ONLY
6. CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE

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.

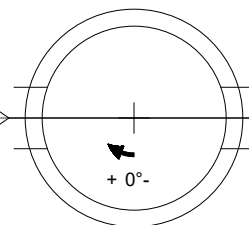
Rim: 1019.05' Rim to Invert: 9.75' Slack: 11.036" Sump: 108.036" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1009.3'	270°	400.553"	36" RCP B WALL	44"	Hole 48	48"	48.937"	18.036"	0"
Invert 2	1009.3'	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)

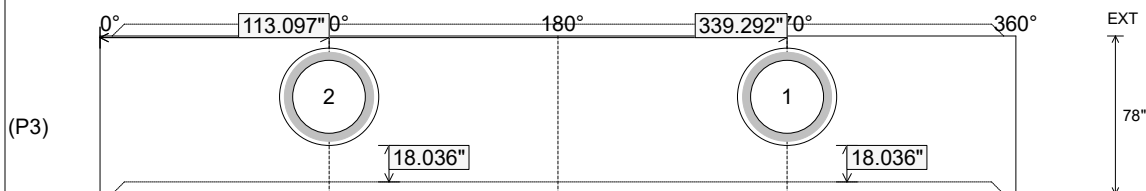


Invert: 2
Degree: 90°
Horz: 113.097"
Hole: 48"
Up(): 18.036"



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: 26-1651B Buffalo Trace
Job Location: Campbellsville, KY
Contractor: Buzick Construction

Plant: Beaver Dam
6/26/2026 2:23:09 PM

Tech: S. Felletter
PC: E. Bradley



Structure ID: CB 816.09

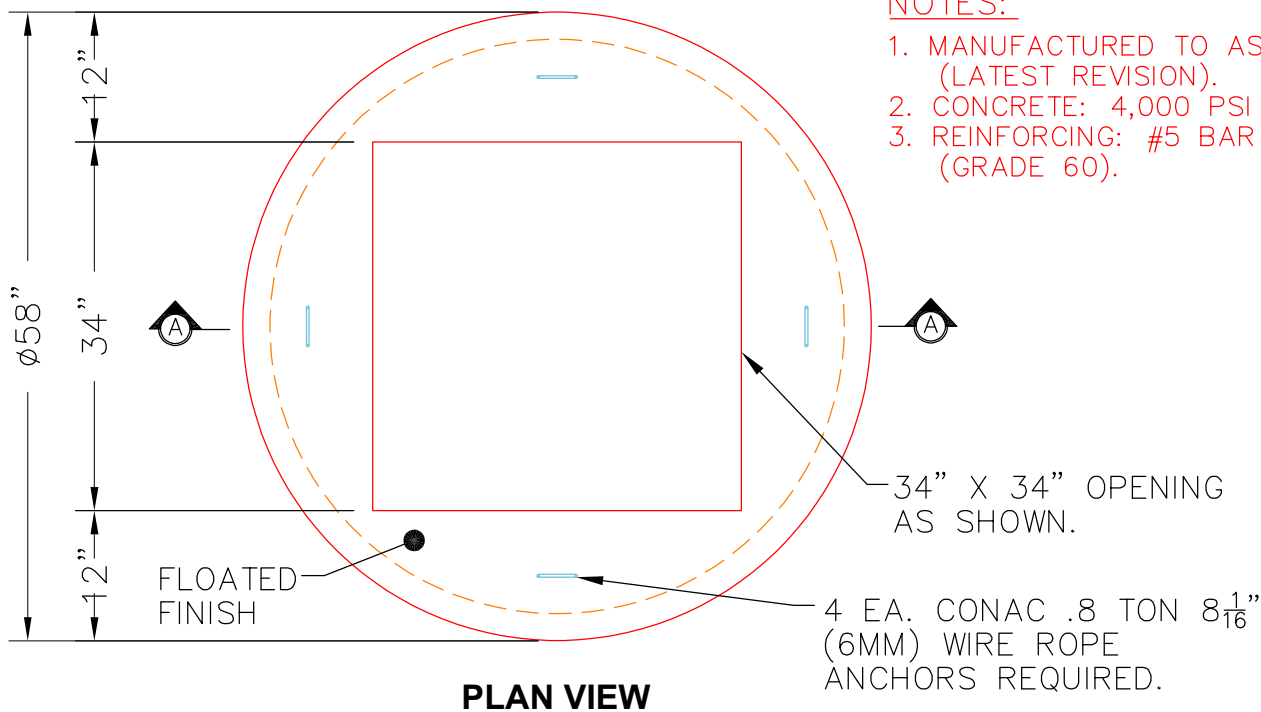
P2 MH048LD12S

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

- P3) 34" x 34" - CASTING HEIGHT - 3"
P2) 48" - MH FLAT TOP w/34"x34" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 27"
1) CASTING - HOE 595 F/G
1) 48" - Conseal CS-102 1.00"
1) Hole - 18
1) Hole - 12
2) MH Step ML-10-TDS-NCR - 10"

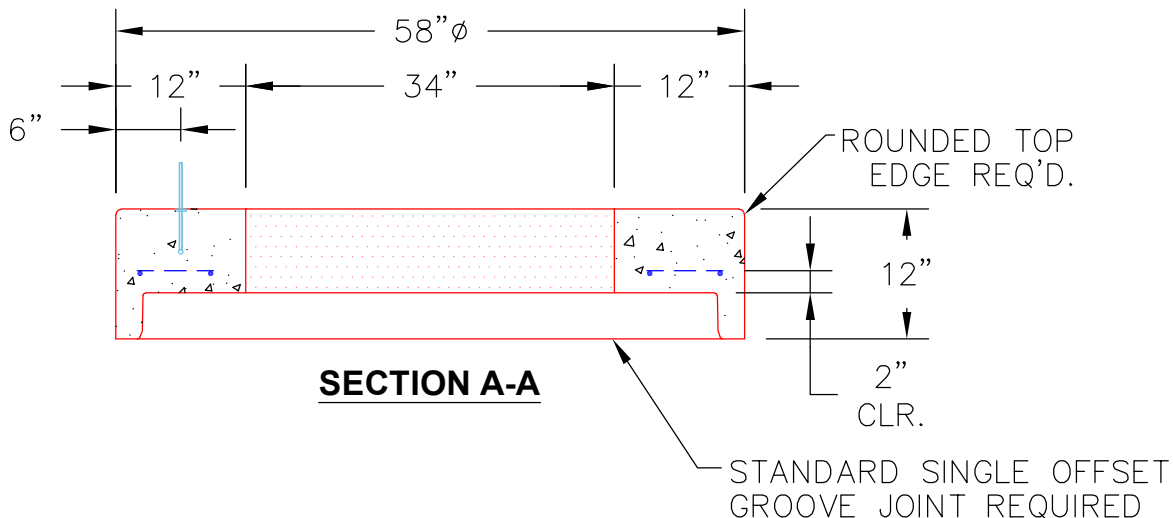
0 lb
1194 lb
3060 lb
376 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 4630 lb

Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE 595 F/C).
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 26-2801 900640 QuikTrip No. 0680
Job Location: CPU
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

Tech: S. Felletter

6/25/2026 11:00:46 AM

PC: C. Goff



Structure ID: 15-CS-4

P5 MH048LD12-30

MH FLAT LID w/30in ECC Hole F/G

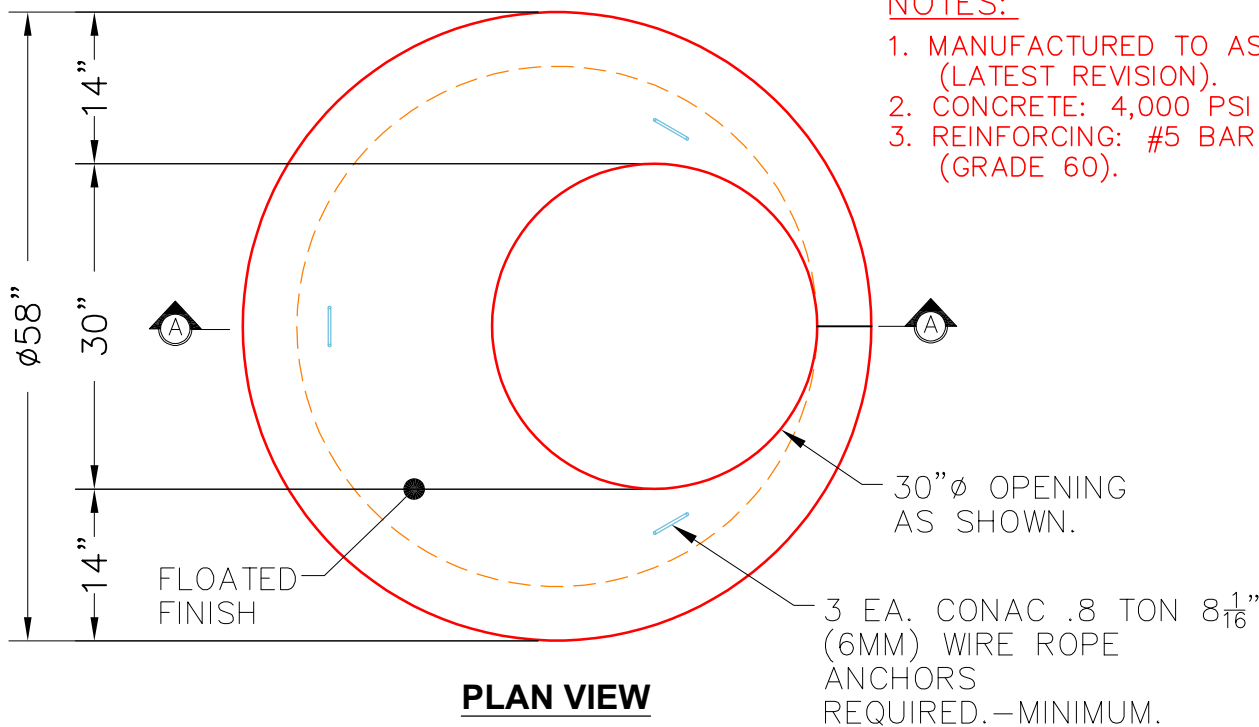
P6) 30" - CASTING HEIGHT - 4"
P5) 48" - MH FLAT LID w/30in ECC Hole F/G - 12"
P4) 48" - MH RISER Custom Ht T/G - 33"
P3) 48" - MH RISER T/G - 48"
P2) 48" - MH RISER SPECIAL T/G - 72"
P1) 48" - MH BASE T/n - 18"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
4) 48" - Conseal CS-102 1.00"
2) PSX - 12-08 NYLO

0 lb
1413 lb
2305 lb
3353 lb
4934 lb
2588 lb
0 lb
0 lb
0 lb
16 lb

14610 lb

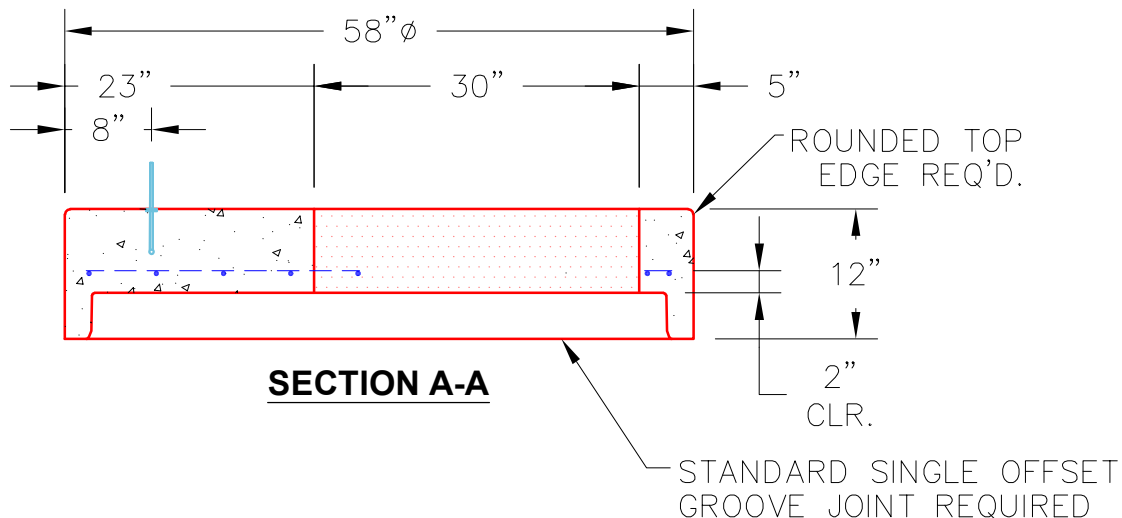
Structure Total:

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



NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1413 lb
Volume (Net): 0.36cu.yd

Job Name: 26-2104 - Jeffersonville High School Parking Lot

Job Location: Jeffersonville, IN

Contractor: Mac Construction & Excavating, Inc.

Plant: 100

6/27/2026 7:12:42 PM

Tech: Jared - A

PC: T. Lewis

Structure ID: 20 ST-MH

P1 MH048BA42

MH BASE T/n

P4) 24" - CASTING HEIGHT - 4"

P3) 24" - GRADE RING F/F - 4"

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

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

1) 48" - Conseal CS-102 1.00"

2) 24" - Conseal CS-102 1.00"

2) Hole - 32

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

0 lb

270 lb

1561 lb

3537 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 5368 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. STORM INVERT BY OTHERS

5. STEPS AT 129.5 DEGREES

6. HOE MC-285 FRAME & COVER "STORM" SUPPLIED BY OTHERS

Rim: 481.87' Rim to Invert: 5.05' Slack: 1.6" Sump: 3" Step Position: 129.5°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	476.82'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 2	476.82'	259°	131.125"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 42"

Height (Ext): 48"

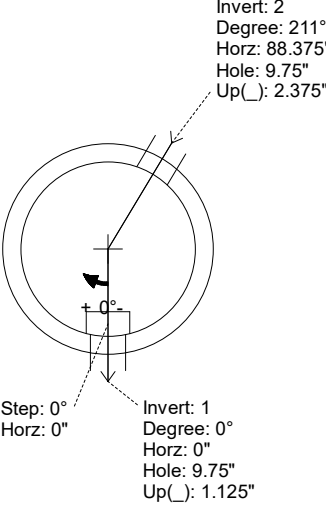
Weight (Net): 3537 lb

Volume (Net): 0.9cu.yd



Weight (Net): 2804 lb
Volume (Net): 0.72cu.yd

Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:32 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: B1 SS-MH											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE Custom Ht T/n - 22" 2) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 0285 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 3353 lb 2804 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 0 lb 2 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-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Structure Total: 9420 lb											
Rim: 531.9' Rim to Invert: 8.46' Slack: 2.52' Sump: 2' Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (°)	Offset	
Invert 1	523.44'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2	523.54'	211°	106.75"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

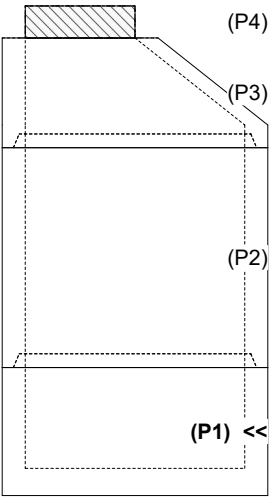
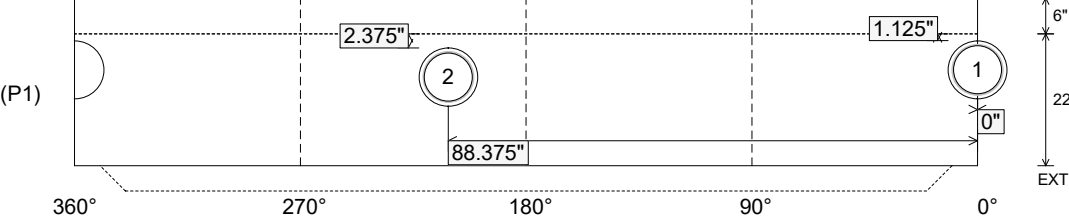


Diagram showing vertical assembly components P4, P3, P2, and P1.

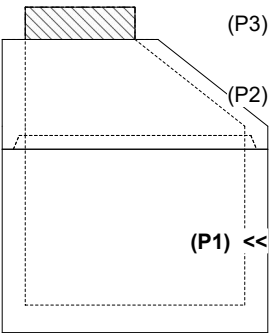
INSIDE WALL DIMENSIONS



INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 22" Height (Ext): 28"	Weight (Net): 2804 lb Volume (Net): 0.72cu.yd
----------------------------------	---------------------------------	--	--	--

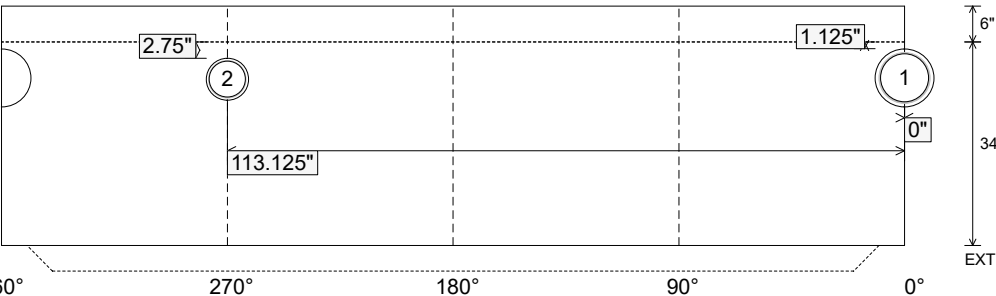
Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:32 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: A4 SS-MH											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 24" P1) 48" - MH BASE Custom Ht T/n - 34" 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) A-Lok - 0285 1) A-Lok - 0200 4) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 3658 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 1 lb 1 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-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Structure Total: 6921 lb											
Rim: 533.1' Rim to Invert: 5.47' Slack: 2.64" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (°)	Offset	
Invert 1	527.63'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2	527.73'	270°	136.625"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.75"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

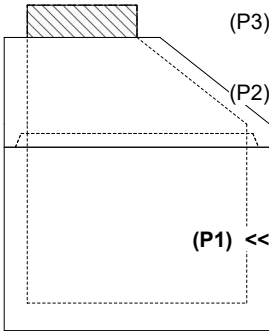
UPSIDE-DOWN VIEW (int. dimenions)

INSIDE WALL DIMENSIONS

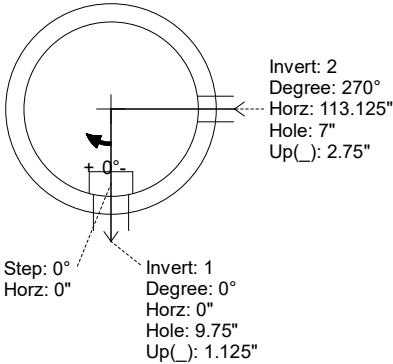


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 34" Height (Ext): 40"	Weight (Net): 3658 lb Volume (Net): 0.93cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:32 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: A4 SS-MH											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 24" P1) 48" - MH BASE Custom Ht T/n - 34" 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) A-Lok - 0285 1) A-Lok - 0200 4) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 3658 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 1 lb 1 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-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Structure Total: 6921 lb											
Rim: 533.1' Rim to Invert: 5.47' Slack: 2.64" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	527.63'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2	527.73'	270°	136.625"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.75"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



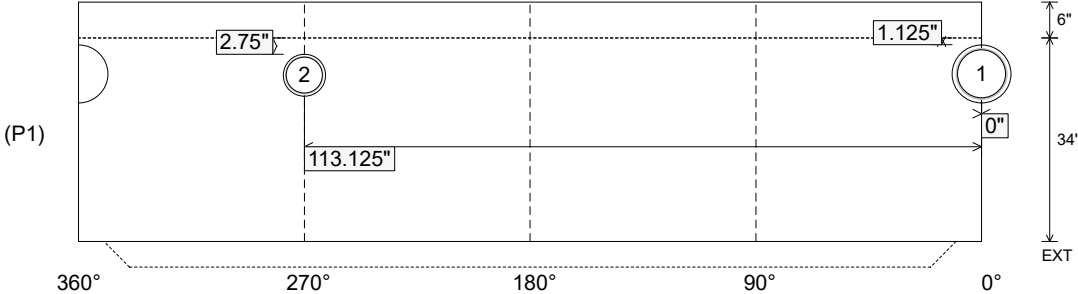
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL
DRAWING

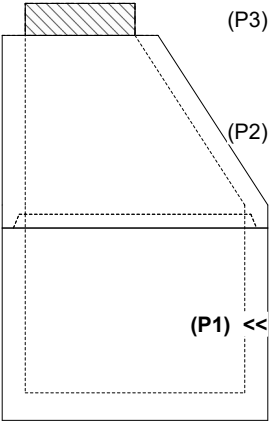
INSIDE WALL DIMENSIONS



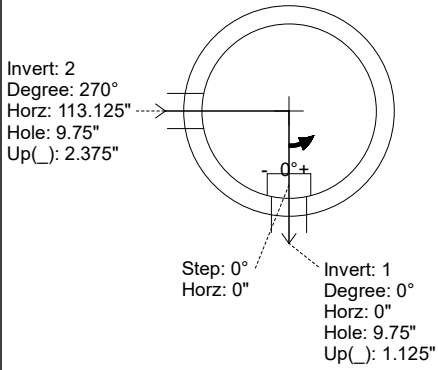
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 34" Height (Ext): 40"	Weight (Net): 3658 lb Volume (Net): 0.93cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:31 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: A3 SS-MH											
P1 MH048BA36			MH BASE T/n								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE T/n - 36" 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 0285 6) MH Step ML-10-TDS-NCR - 10"						0 lb 3200 lb 3782 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 0 lb 2 lb 0 lb Structure Total: 8695 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-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Rim: 533.91' Rim to Invert: 7.14' Slack: 2.68" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	526.77'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2	526.87'	270°	136.625"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

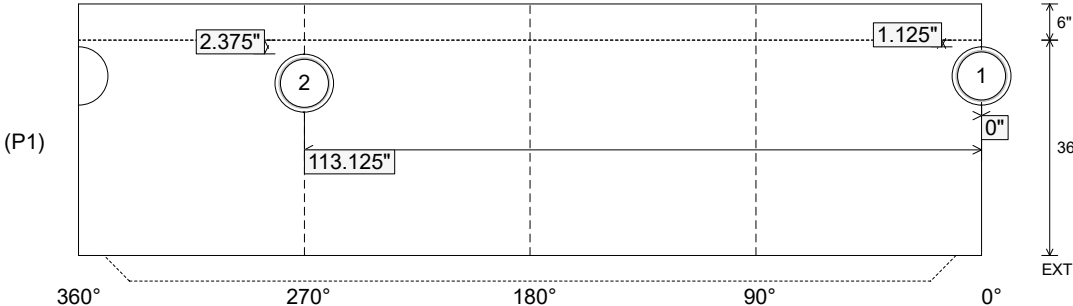
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

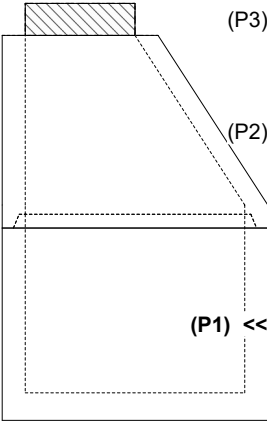


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3782 lb Volume (Net): 0.97cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:31 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: A3 SS-MH											
P1 MH048BA36		MH BASE T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE T/n - 36" 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 0285 6) MH Step ML-10-TDS-NCR - 10"						0 lb 3200 lb 3782 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 0 lb 2 lb 0 lb Structure Total: 8695 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-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Rim: 533.91' Rim to Invert: 7.14' Slack: 2.68" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	526.77'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2	526.87'	270°	136.625"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

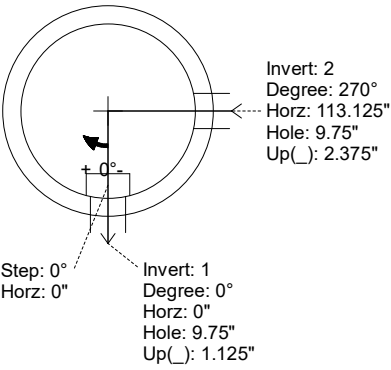


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 270°
Horz: 113.125"
Hole: 9.75"
Up(_): 2.375"

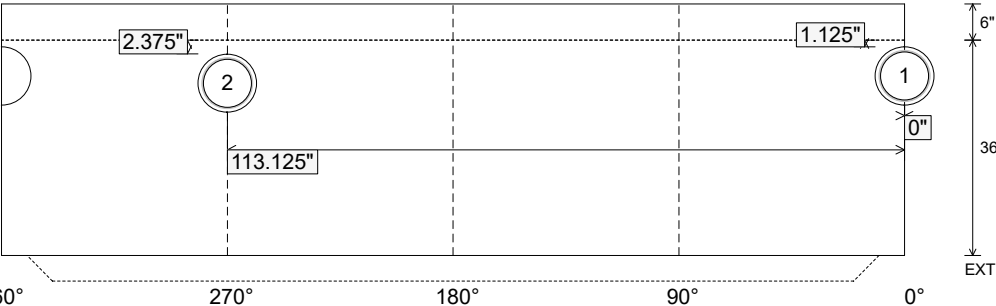
Invert: 1
Degree: 0°
Horz: 0"
Hole: 9.75"
Up(_): 1.125"

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimenions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



(P1)

2.375

113.125

1.125

0

360° 270° 180° 90° 0°

6"

36"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3782 lb Volume (Net): 0.97cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100		Tech: Jared - A			
					6/22/2026 6:23:31 PM		PC: E. Bradley			
Structure ID: A2 SS-MH										
P1 MH048BAVF		MH BASE Custom Ht T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE Custom Ht T/n - 31" 2) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) A-Lok - 0285 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 2515 lb 3401 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 0 lb 3 lb 0 lb ----- Structure Total: 9180 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-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Rim: 531.37' Rim to Invert: 8.2' Slack: 2.4" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	523.17'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	523.27'	150°	75.875"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"
Invert 3	523.27'	270°	136.625"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 31"	Weight (Net): 3401 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 37"	Volume (Net): 0.87cu.yd

Job Name: 26-2080 - The Cumberland

Job Location: Bowling Green, KY

Contractor: J & J Concrete & Excavating, LLC

Plant: 100

6/22/2026 6:23:31 PM

Tech: Jared - A

PC: E. Bradley



Structure ID: A2 SS-MH

P1 MH048BAVF

MH BASE Custom Ht T/n

P4) 24" - CASTING HEIGHT - 7"

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

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

P1) 48" - MH BASE Custom Ht T/n - 31"

2) JOINT WRAP - 12" WD x 048" MAC WRAP

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

3) A-Lok - 0285

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

0 lb

1550 lb

2515 lb

3401 lb

0 lb

1440 lb

271 lb

0 lb

0 lb

0 lb

3 lb

0 lb

Structure Total: 9180 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-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 531.37' Rim to Invert: 8.2' Slack: 2.4" Sump: 2" Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (°)	Offset
Invert 1	523.17'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	523.27'	150°	75.875"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"
Invert 3	523.27'	270°	136.625"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2

Degree: 150°

Horz: 62.875"

Hole: 9.75"

Up(°): 2.375"

Invert: 3

Degree: 270°

Horz: 113.125"

Hole: 9.75"

Up(°): 2.375"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 9.75"

Up(°): 1.125"

Step: 0°

Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

(P4)

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

2.375"

2.375"

1.125"

62.875"

113.125"

0"

360°

270°

180°

90°

0°

6"

31"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

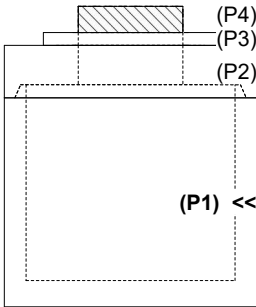
Height (Int): 31"

Height (Ext): 37"

Weight (Net): 3401 lb

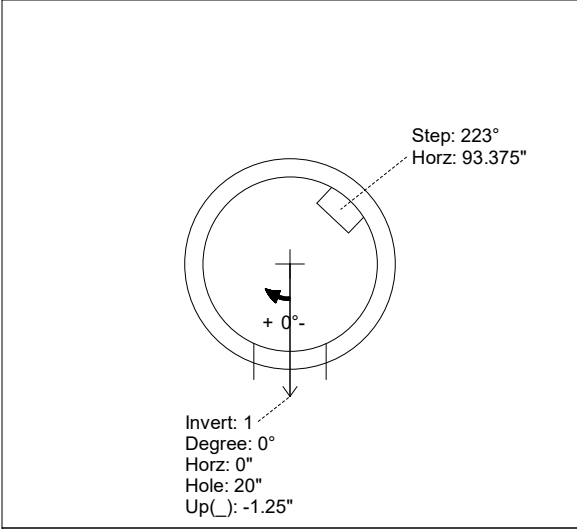
Volume (Net): 0.87cu.yd

Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:30 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: D3 ST-CI											
P1 MH048BA42		MH BASE T/n									
P4) 24" x 36" - CASTING HEIGHT - 6" P3) 24" x 36" - GRADE RING F/F - 3" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE T/n - 42" 1) CASTING - HOE 525 SET (F/G/H) 1) 48" - Conseal CS-102 1.00" 2) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 20 4) MH Step ML-10-TDS-NCR - 10"					0 lb 306 lb 1300 lb 4129 lb 442 lb 0 lb 0 lb 0 lb 0 lb ----- 6177 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 223 DEGREES 5. HOE 525 FRAME, FLAT GRATE, & CURB HOOD SUPPLIED BY ICAST				
Rim: 530.69' Rim to Invert: 5.39' Slack: 1.68" Sump: 0" Step Position: 223°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	525.3'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.25"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P1) <<

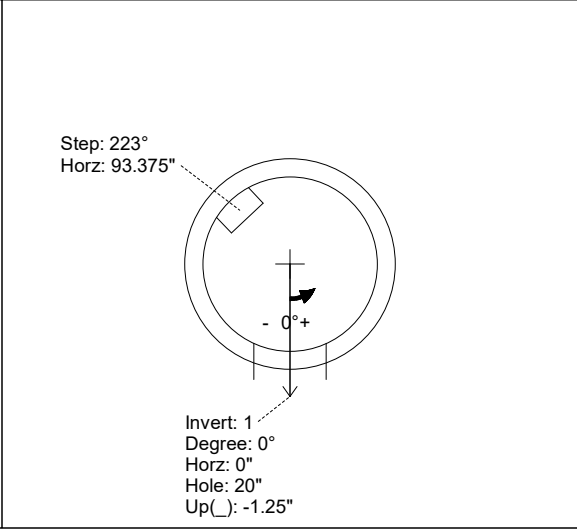
RIGHT-SIDE UP VIEW (int. dimensions)



Step: 223°
Horz: 93.375"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 20"
Up(): -1.25"

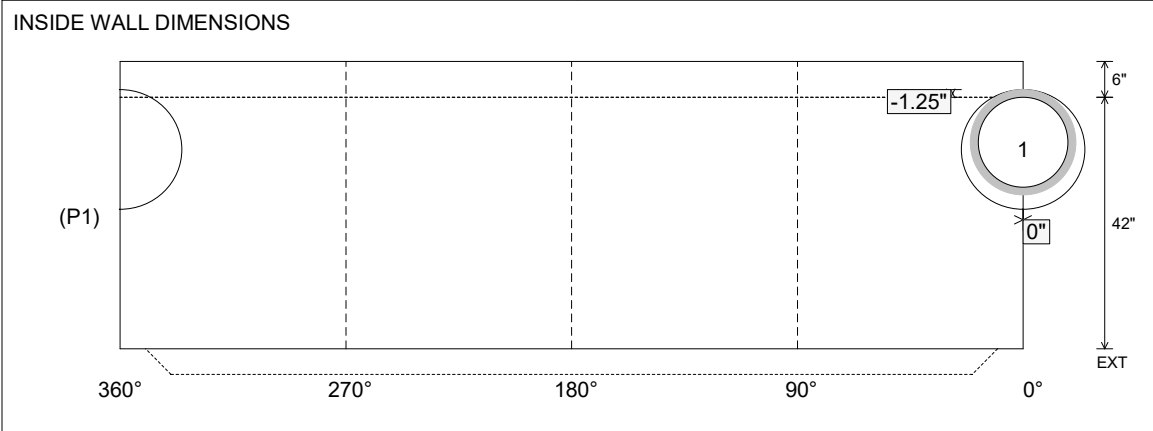
UPSIDE-DOWN VIEW (int. dimenions)



Step: 223°
Horz: 93.375"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 20"
Up(): -1.25"

INSIDE WALL DIMENSIONS



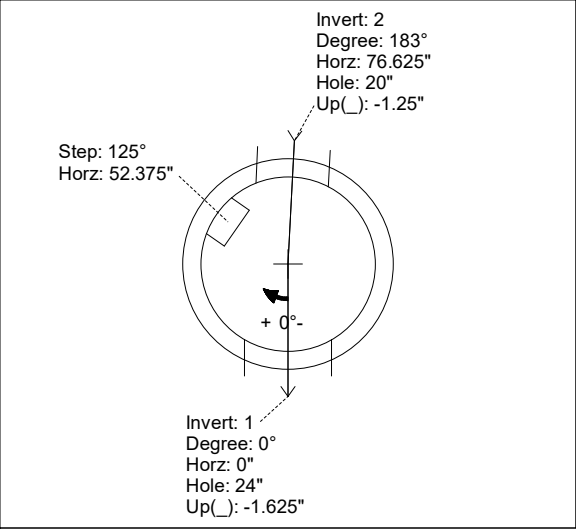
360° 270° 180° 90° 0°

6"
42"
EXT

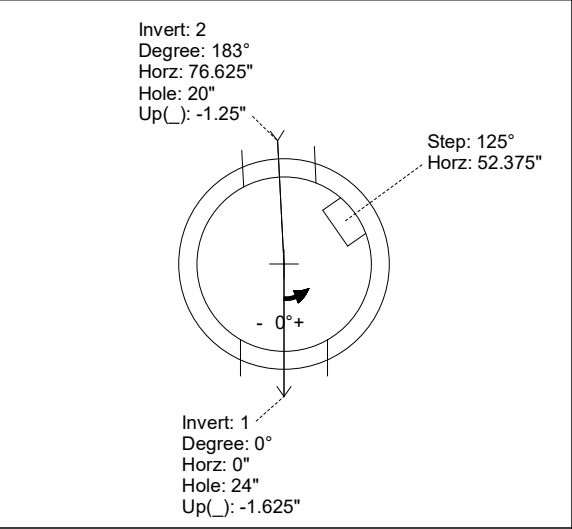
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 4129 lb Volume (Net): 1.06cu.yd
----------------------------------	---------------------------------	--	--	--

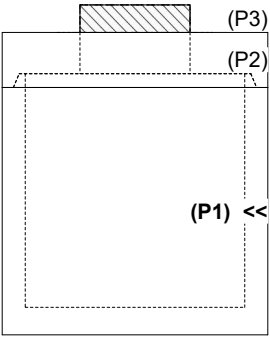
Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:30 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: D2 ST-CI											
P1 MH048BA48			MH BASE T/n								
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE T/n - 48" 1) CASTING - HOE 525 SET (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 24 1) Hole - 20 4) MH Step ML-10-TDS-NCR - 10"						0 lb 1300 lb 4351 lb 442 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 6093 lb Structure Total: 6093 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 125 DEGREES 5. HOE 525 FRAME, FLAT GRATE, & CURB HOOD SUPPLIED BY ICAST			
Rim: 530.69' Rim to Invert: 5.6' Slack: 1.2" Sump: 0" Step Position: 125°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	525.09'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.625"	0"	
Invert 2	525.09'	183°	92.625"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)

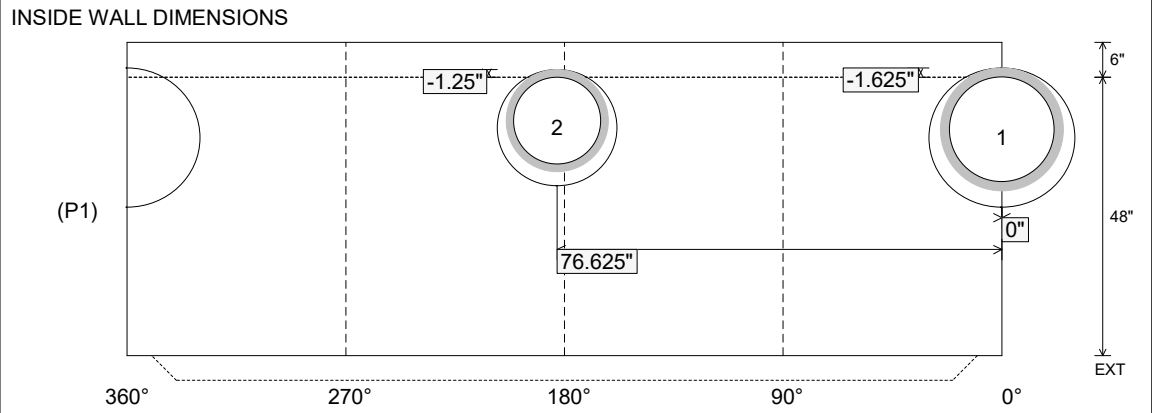


UPSIDE-DOWN VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 48" Height (Ext): 54"	Weight (Net): 4351 lb Volume (Net): 1.11cu.yd
----------------------------------	---------------------------------	--	--	--

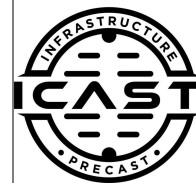
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:03 AM		Tech: S. Felletter PC: Erica Bradley					
Structure ID: R15A												
P1 MH048BA72			MH BASE T/n									
P4) 28" x 28" - CASTING HEIGHT - 5" P3) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7" P2) 48" - MH RISER Custom Ht F/G - 16" P1) 48" - MH BASE T/n - 72" 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" 7) MH Step ML-10-TDS-NCR - 10"						0 lb 1091 lb 1118 lb 5660 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 9195 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 577.67' Rim to Invert: 8.17' Slack: 0.54" Sump: 2.5" Step Position: 270°												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	569.5'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"		
Invert 2	572.87'	90°	45.553"	18" RCP B WALL	23"	Hole 26	26"	27.476"	40.44"	0"		
Invert 3	569.5'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"		
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)

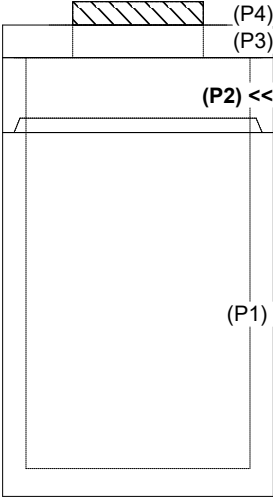
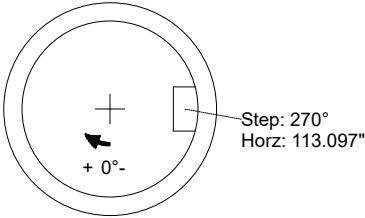
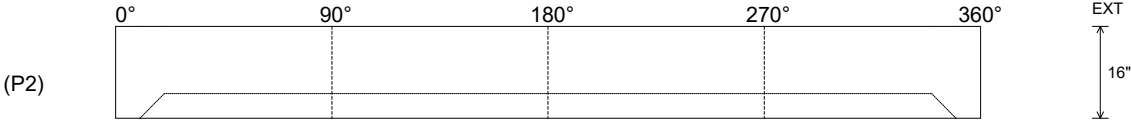
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

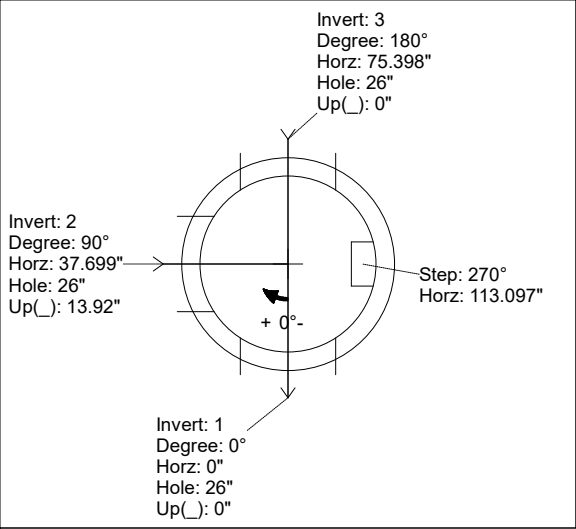
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 72" Height (Ext): 78"	Weight (Net): 5660 lb Volume (Net): 1.45cu.yd
----------------------------------	---------------------------------	--	--	--

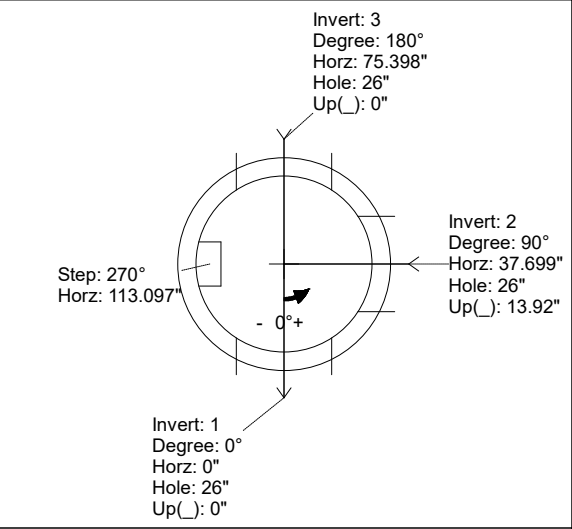


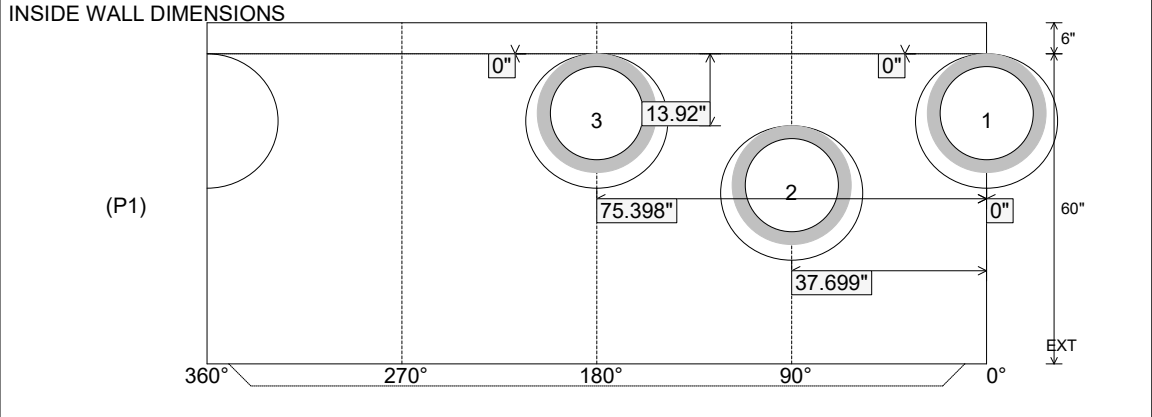
Weight (Net): 5660 lb
Volume (Net): 1.45cu.yd

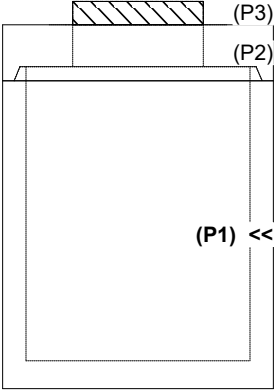
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:46:22 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R15A											
P2		MH048RSVF		MH RISER Custom Ht F/G							
P4) 28" x 28" - CASTING HEIGHT - 5" P3) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7" P2) 48" - MH RISER Custom Ht F/G - 16" P1) 48" - MH BASE T/n - 72" 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 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1091 lb 1118 lb 5660 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:					9195 lb						
Rim: 577.67' Rim to Invert: 8.17' Slack: 0.54" Sump: 2.5" Step Position: 270°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 16" Height (Ext): 16"		Weight (Net): 1118 lb Volume (Net): 0.29cu.yd		

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:06 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R17A											
P1		MH048BA60		MH BASE T/n							
P3) 28" x 28" - CASTING HEIGHT - 5" P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12" P1) 48" - MH BASE T/n - 60" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 1) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 3) Hole - 26" 5) MH Step ML-10-TDS-NCR - 10" Structure Total: 7515 lb						0 lb 1368 lb 4822 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- 7515 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 577.92' Rim to Invert: 6.41' Slack: 2.42" Sump: 2.5" Step Position: 270°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	571.51'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	572.67'	90°	45.553"	18" RCP B WALL	23"	Hole 26	26"	27.476"	13.92"	0"	
Invert 3	571.51'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



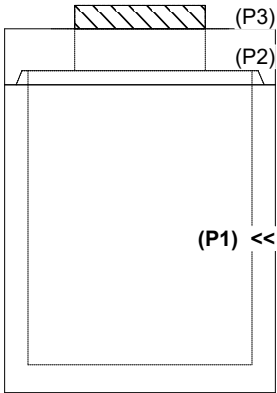




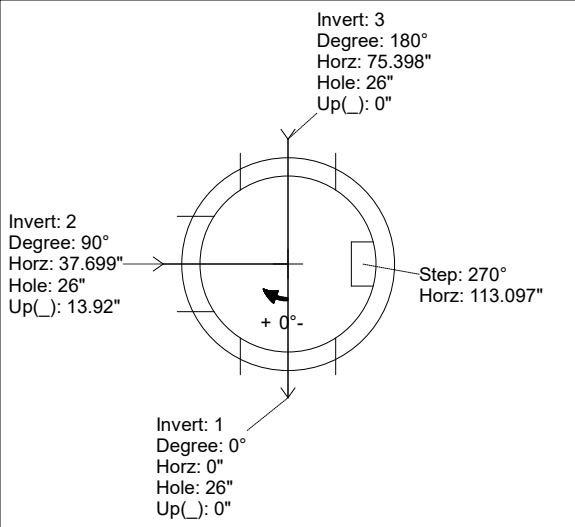


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 60" Height (Ext): 66"	Weight (Net): 4822 lb Volume (Net): 1.23cu.yd
----------------------------------	---------------------------------	--	--	--

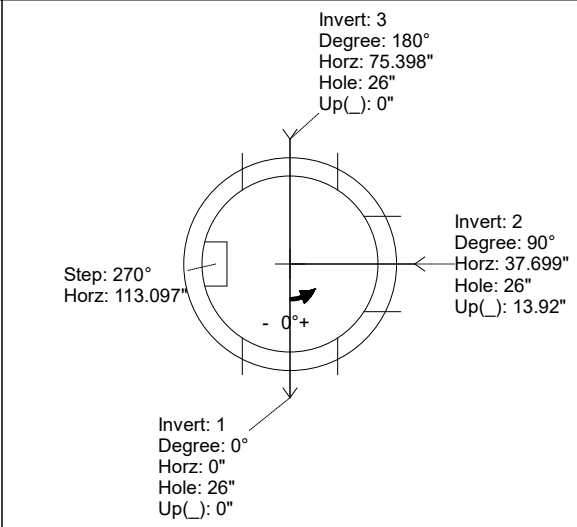
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:06 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R17A											
P1 MH048BA60		MH BASE T/n									
P3) 28" x 28" - CASTING HEIGHT - 5" P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12" P1) 48" - MH BASE T/n - 60" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 1) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 3) Hole - 26 5) MH Step ML-10-TDS-NCR - 10"					0 lb 1368 lb 4822 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 7515 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W. Invert channel drawing 1/4 Height storm invert				
Rim: 577.92' Rim to Invert: 6.41' Slack: 2.42" Sump: 2.5" Step Position: 270°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	571.51'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	572.67'	90°	45.553"	18" RCP B WALL	23"	Hole 26	26"	27.476"	13.92"	0"	
Invert 3	571.51'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



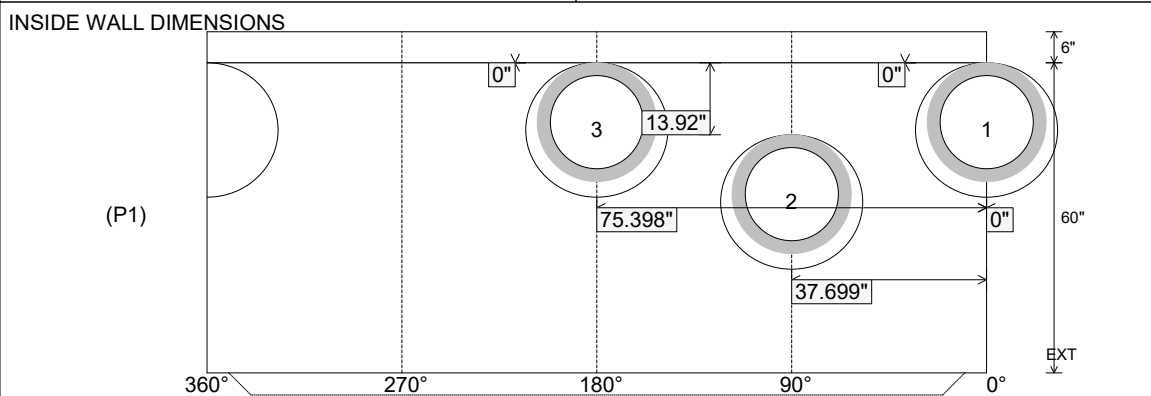
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

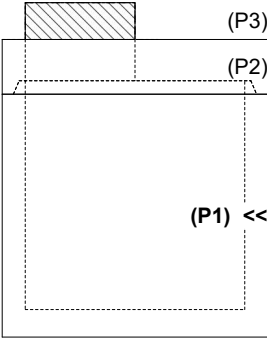


INSIDE WALL DIMENSIONS

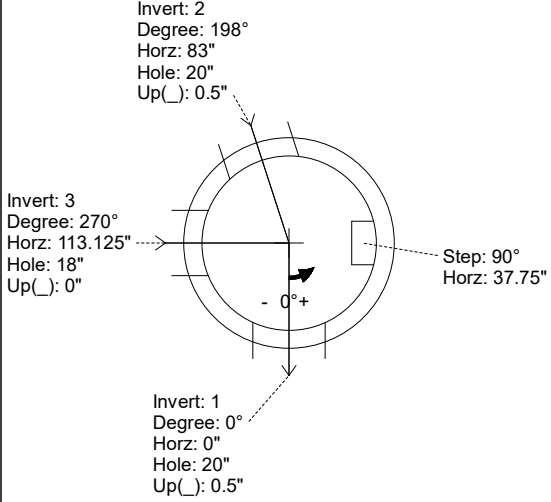


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 60" Height (Ext): 66"	Weight (Net): 4822 lb Volume (Net): 1.23cu.yd
----------------------------------	---------------------------------	--	--	--

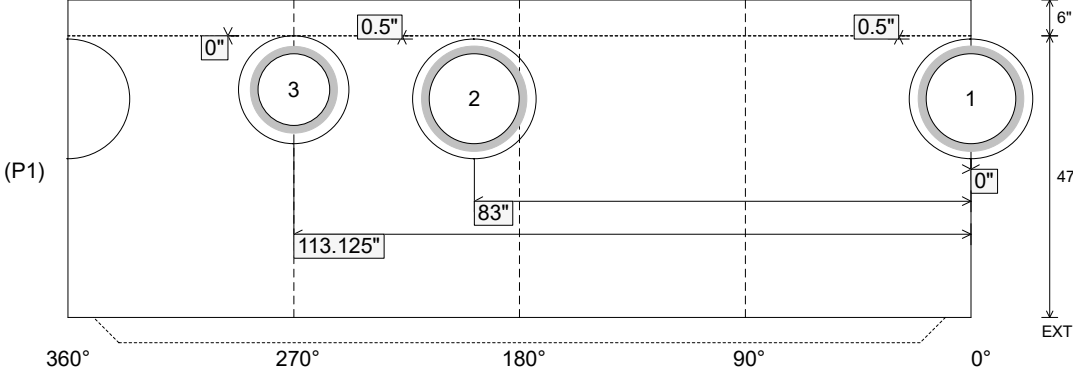
Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/12/2026 3:10:04 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 51											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 8" P2) 48" - MH FLAT LID w/24in ECC Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 47" 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 20 1) Hole - 18 4) MH Step ML-10-TDS-NCR - 10"					0 lb 1561 lb 4234 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 5795 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC MANHOLE TYPE A / ASTM C-478 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STORM INVERT 5. STEPS AT 90 DEGREES 6. HOE KY-510 FRAME & COVER "STORM" SUPPLIED BY OTHERS				
Rim: 552.38' Rim to Invert: 5.4' Slack: 0.8" Sump: 3" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	546.98'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	0.5"	0"	
Invert 2	546.98'	198°	100.25"	15" HDPE	17.6"	Hole 20	20"	20.629"	0.5"	0"	
Invert 3	546.98'	270°	136.625"	12" HDPE	14.5"	Hole 18	18"	18.451"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

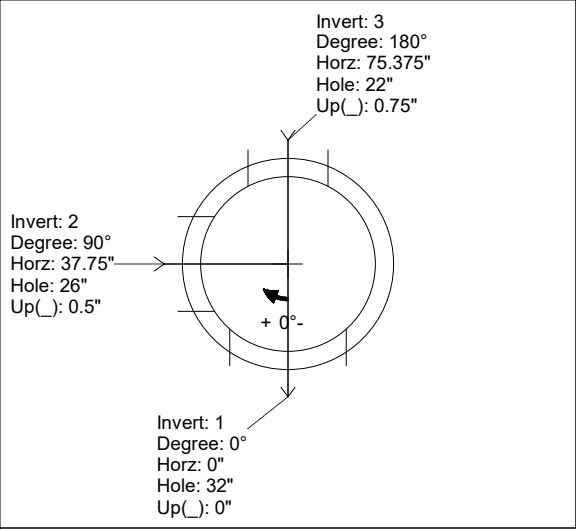
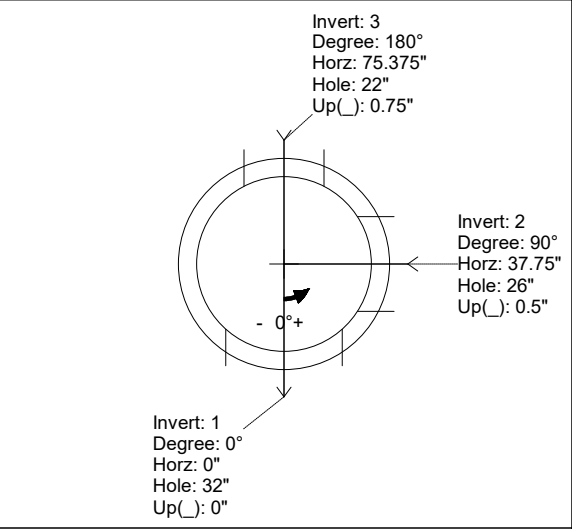
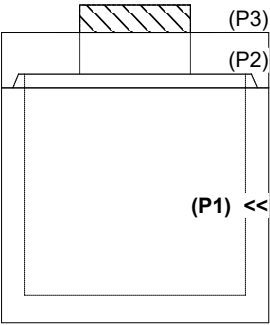
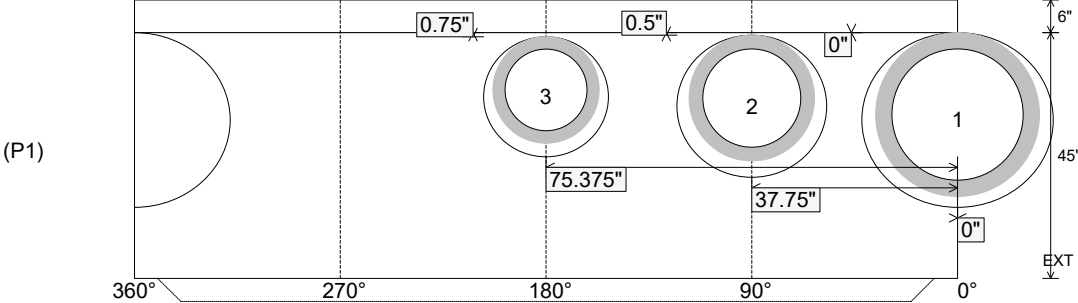


UPSIDE-DOWN VIEW (int. dimensions)

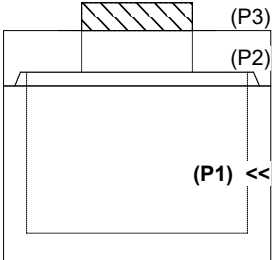


INSIDE WALL DIMENSIONS

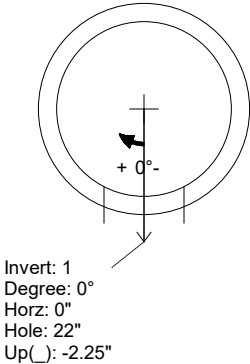
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 47" Height (Ext): 53"	Weight (Net): 4234 lb Volume (Net): 1.08cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:23 PM		Tech: Jared - F PC: E. Bardley						
Structure ID: 59 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 - 45" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 32 1) Hole - 26 1) Hole - 22						0 lb 1300 lb 3713 lb 442 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 5455 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: 706.61'		Rim to Invert: 5'		Slack: 0"		Sump: 3"		Step Position:					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1	701.61'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"			
Invert 2	701.61'	90°	45.5"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0.5"	0"			
Invert 3	701.61'	180°	91.125"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	0.75"	0"			
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions)   INSIDE WALL DIMENSIONS  Coating (Int): Coating (Ext): Seam Up: Tongue Seam Dn: n/a Wall Thickness: 5" Floor Height: 6" Height (Int): 45" Height (Ext): 51" Weight (Net): 3713 lb Volume (Net): 0.95cu.yd													

Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:22 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 57 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: 705.53' 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	701.33'	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											

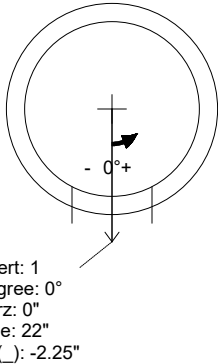


RIGHT-SIDE UP VIEW (int. dimensions)



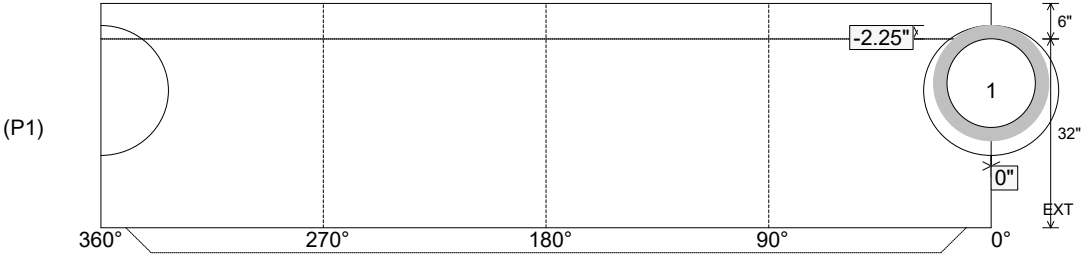
Invert: 1
Degree: 0°
Horz: 0"
Hole: 22"
Up(_): -2.25"

UPSIDE-DOWN VIEW (int. dimensions)



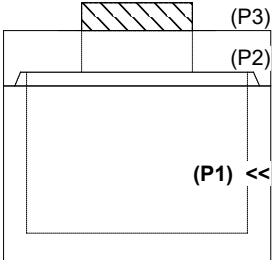
Invert: 1
Degree: 0°
Horz: 0"
Hole: 22"
Up(_): -2.25"

INSIDE WALL DIMENSIONS

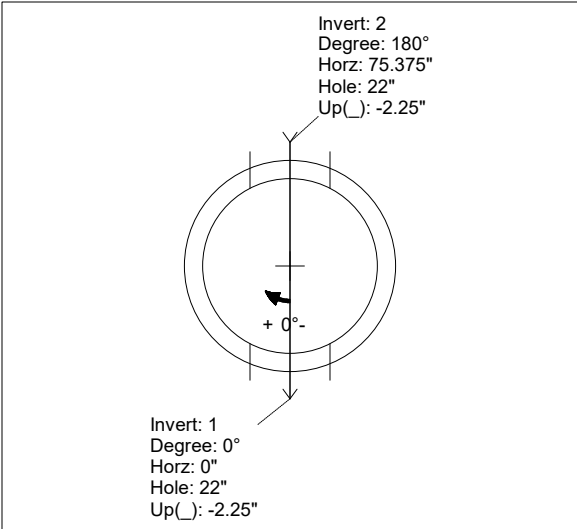


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 32" Height (Ext): 38"	Weight (Net): 3401 lb Volume (Net): 0.87cu.yd
----------------------------------	---------------------------------	--	--	--

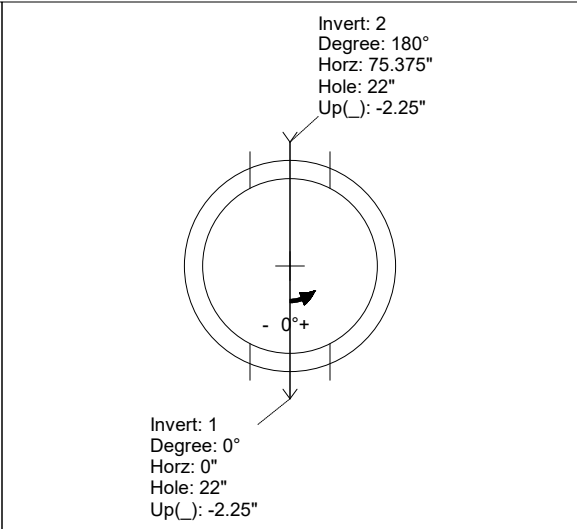
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:21 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 55 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH 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" 2) Hole - 22"						0 lb 1300 lb 3236 lb 442 lb 0 lb 0 lb 0 lb ----- 4978 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: 703.35' 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	699.15'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 2	699.15'	180°	91.125"	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											



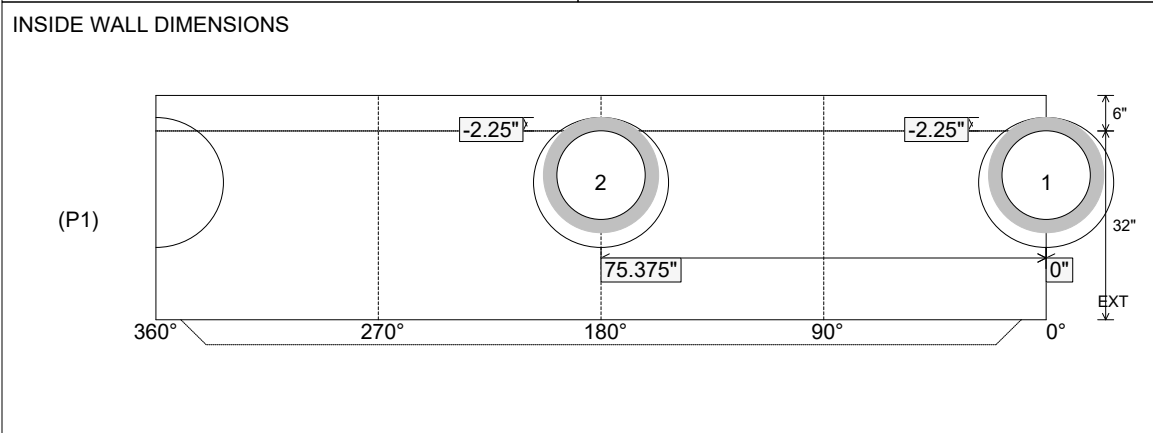
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

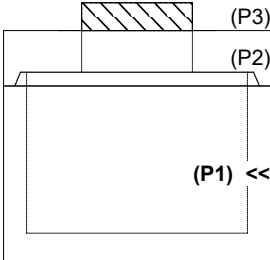
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

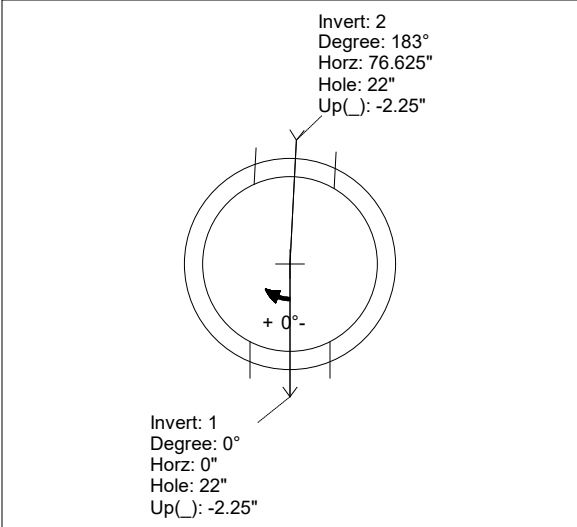
Height (Int): 32"
Height (Ext): 38"

Weight (Net): 3236 lb
Volume (Net): 0.83cu.yd

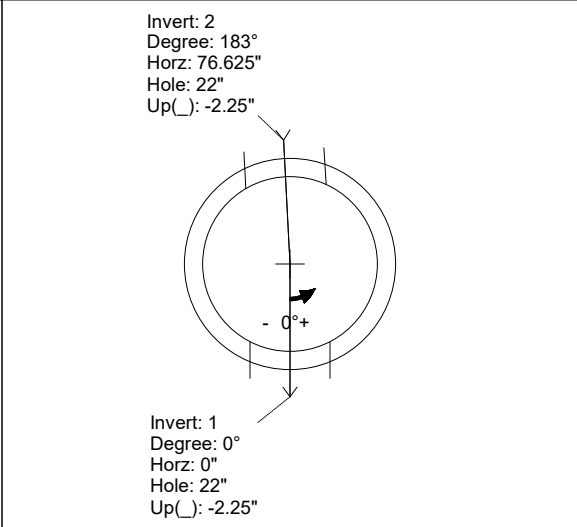
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:21 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 54 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH 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" 2) Hole - 22"						0 lb 1300 lb 3236 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: 701.83' 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	697.63'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 2	697.63'	183°	92.625"	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											



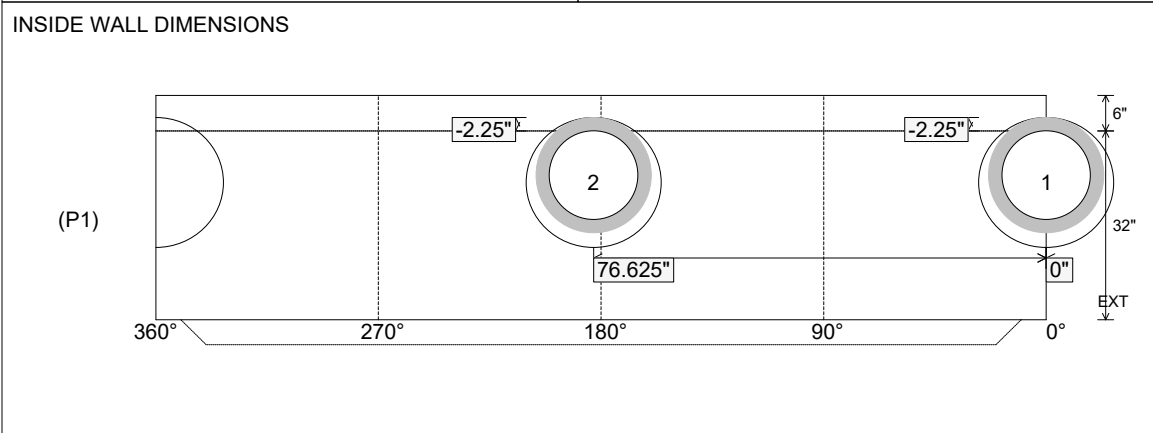
RIGHT-SIDE UP VIEW (int. dimensions)



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): 32" Height (Ext): 38"	Weight (Net): 3236 lb Volume (Net): 0.83cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1899 - Gateway 65 Industrial Road

Job Location: Franklin, KY

Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:34:20 PM

Tech: Jared - F

PC: E. Bardley



Structure ID: 53 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 - 26

1) Hole - 22

0 lb

1300 lb

3168 lb

442 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 4910 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: 700.43'

Rim to Invert: 4.2'

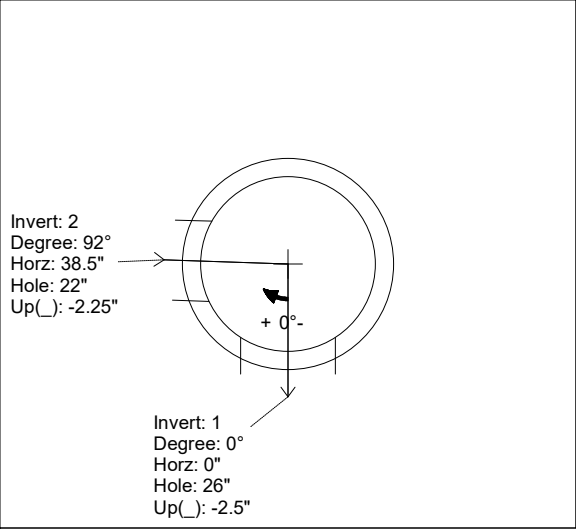
Slack: 0.4"

Sump: 0"

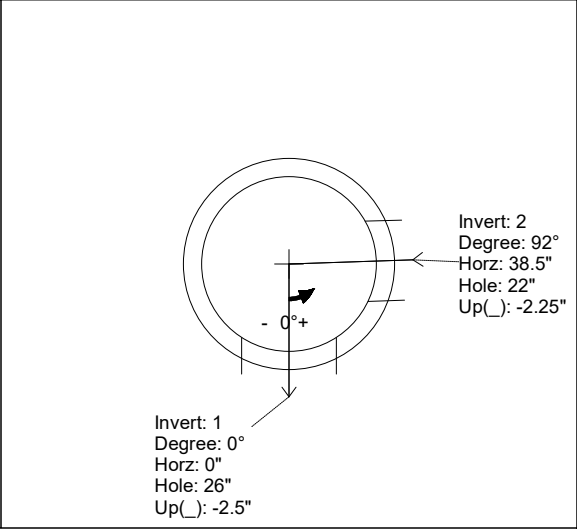
Step Position:

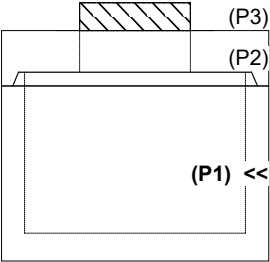
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	696.23'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 2	696.23'	92°	46.625"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

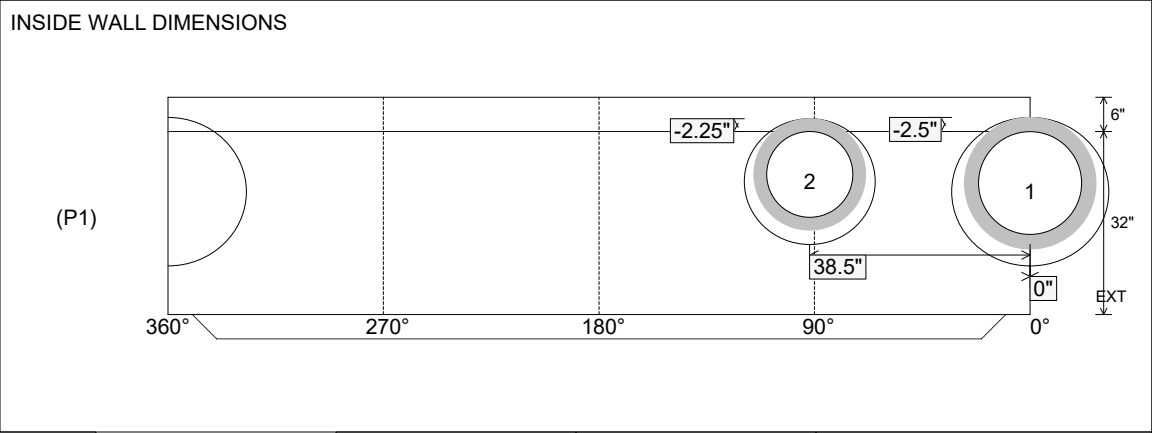


UPSIDE-DOWN VIEW (int. dimenions)





INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

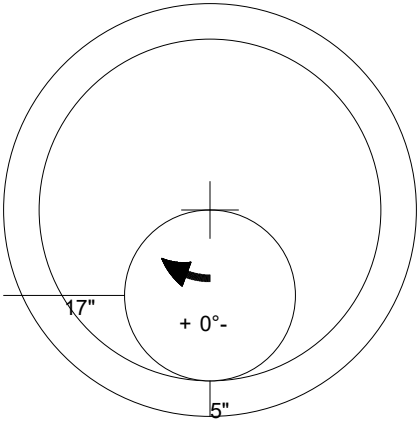
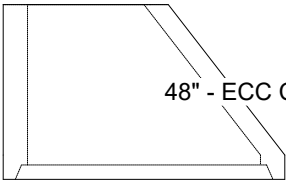
Floor Height: 6"

Height (Int): 32"

Height (Ext): 38"

Weight (Net): 3168 lb

Volume (Net): 0.81cu.yd

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC		Plant: 100 6/2/2026 10:56:10 AM	Tech: Jared - F PC: E. Bradley	
Structure ID: B1 (4)				
P4 MH048CN36-S		ECC CONE w/ 24" HOLE F/G		
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC CONE w/ 24" HOLE F/G - 36" P3) 48" - MH RISER T/G - 48" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE T/h - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 DD		0 lb 3000 lb 3353 lb 3353 lb 3330 lb 1440 lb 0 lb 0 lb 16 lb ----- Structure Total: 14493 lb	Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 36"	Weight (Net): 3000 lb Volume (Net): 0.5cu.yd

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

Plant: 100

Tech: J. Horsley

2/16/2026 8:20:12 AM

PC: J. Jarvis



Structure ID: C2

P2 MH048LD12-2424 LOUMSD

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

- P3) 24" x 24" - CASTING HEIGHT - 4"
P2) 48" - MH FLAT TOP w/24"x24" Hole LOU-MSD F/G - 12"
P1) 48" - MH BASE T/n - 30"
1) 48" - Conseal CS-102 1.00"
1) 24" x 24" - Conseal CS-102 1.00"
2) Hole - 24
3) MH Step ML-10-TDS-NCR - 10"

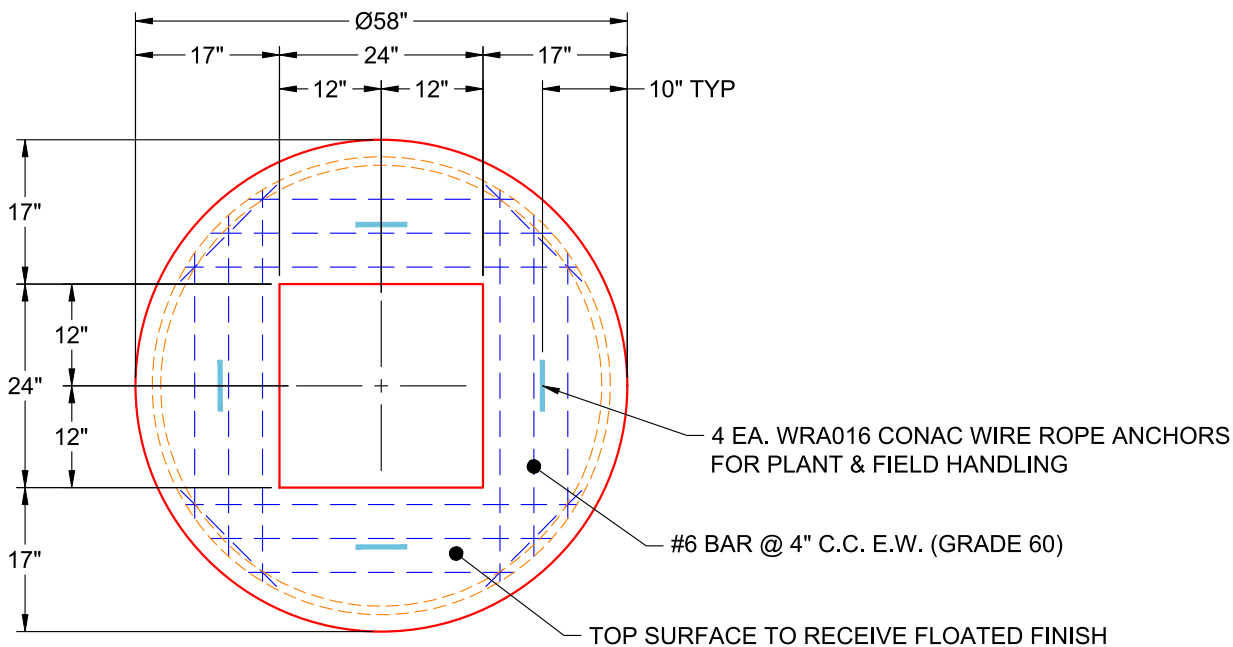
Structure Total:

0 lb
1500 lb
3032 lb
0 lb
0 lb
0 lb
0 lb

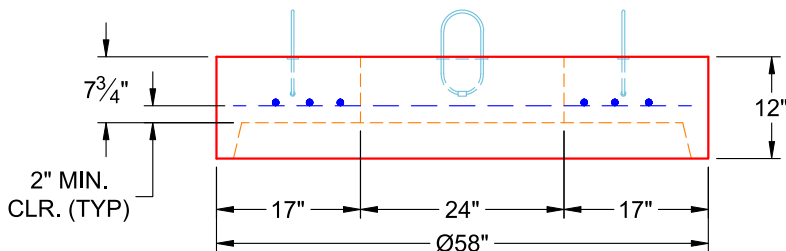
4532 lb

Structure Notes:

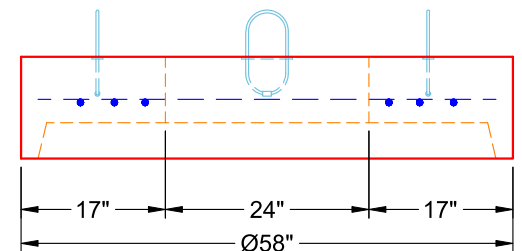
1. PER LOUISVILLE MSD / ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #6 BAR @ 4" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE 280T FRAME & GRATE SUPPLIED BY OTHERS
5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE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



**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**



**SIDE VIEW
(RIGHT SIDE UP)**

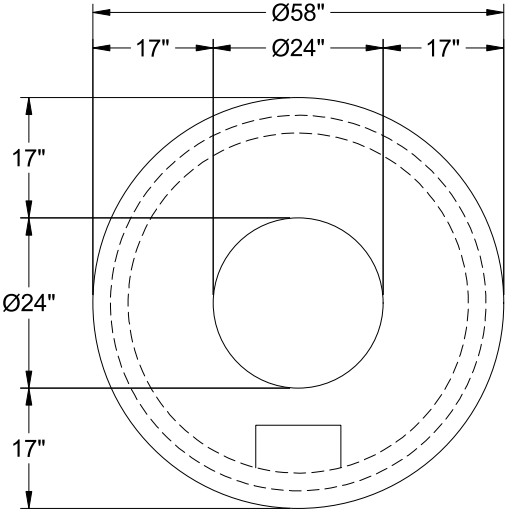
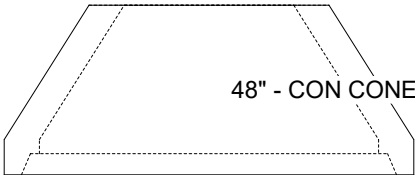
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting		Plant: 100 3/27/2026 11:41:36 AM	Tech: J. Horsley - A PC: Celina Goff	
Structure ID: 2301580				
P2 MH048CCN24		CON CONE w/24" HOLE F/G		
P3) 24" - CASTING HEIGHT - 7" P2) 48" - CON CONE w/24" HOLE F/G - 24" P1) 48" - MH BASE (08"F) T/n - 34" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 4) MH Step ML-10-TDS-NCR - 10"		0 lb 2252 lb 4053 lb 1440 lb 0 lb 16 lb 0 lb ----- 7761 lb Structure Total:	<u>Structure Notes:</u> 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS REQUIRED 5. 7" CASTING SUPPLIED BY OTHERS	
				
 48" - CON CONE w/24" HOLE F/G - 24" - (P2)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 2252 lb Volume (Net): 0.57cu.yd

Job Name: 25-4299 - Seneca High School Job Location: Louisville, KY Contractor: Dan Cristiani Excavating Co. Inc.					Plant: 100		Tech: J. Horsley			
					2/16/2026 8:19:42 AM		PC: J. Jarvis			
Structure ID: C1										
P1 MH048BA36			MH BASE T/n							
P3) 24" x 24" - CASTING HEIGHT - 4" P2) 48" - MH FLAT TOP w/24"x24" Hole LOU-MSD F/G - 12" P1) 48" - MH BASE T/n - 36" 1) 48" - Conseal CS-102 1.00" 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 16 3) MH Step ML-10-TDS-NCR - 10"						0 lb 1500 lb 3279 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 4779 lb		Structure Notes: 1. PER LOUISVILLE MSD / ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STORM INVERT 5. STEPS AT 284 DEGREES 6. HOE 280T FRAME & GRATE SUPPLIED BY OTHERS		
Rim: 485.1' Rim to Invert: 4.45' Slack: 1.4" Sump: 0" Step Position: 284°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	480.65'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.6"	0"
Invert 2	480.65'	127°	64.28"	18" HDPE	21.2"	Hole 24	24"	25.133", 16.015"	-1.6"	0"
Invert 3	481.35'	208°	105.278"	12" HDPE	14.5"	Hole 16	16"	16.312", 6.472"	7.15"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

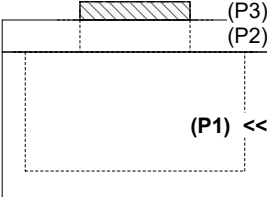
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

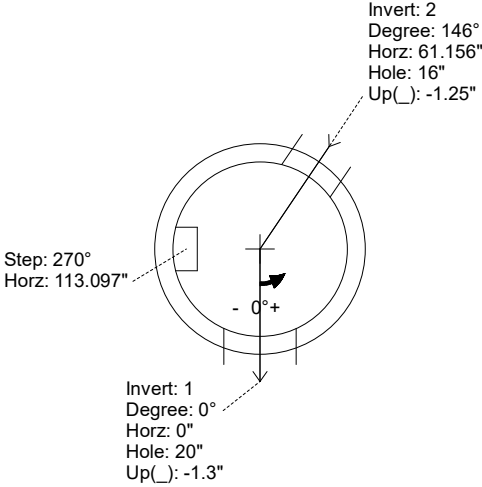
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3279 lb Volume (Net): 0.84cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4299 - Seneca High School Job Location: Louisville, KY Contractor: Dan Cristiani Excavating Co. Inc.					Plant: 100 2/16/2026 8:19:46 AM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: C4											
P1		MH048BAVF		MH BASE Custom Ht F/n							
P3) 24" x 24" - CASTING HEIGHT - 4" P2) 48" - MH FLAT TOP w/24"x24" Hole LOU-MSD F/F - 7" P1) 48" - MH BASE Custom Ht F/n - 26" 1) 48" - Conseal CS-102 1.00" 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 20 1) Hole - 16 2) MH Step ML-10-TDS-NCR - 10"					0 lb 1214 lb 2926 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4139 lb		Structure Notes: 1. PER LOUISVILLE MSD / ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STORM INVERT 5. STEPS AT 270 DEGREES 6. HOE 280T FRAME & GRATE SUPPLIED BY OTHERS				
Rim: 485.1'		Rim to Invert: 3.15'		Slack: 0.8"		Sump: 0"		Step Position: 270°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	481.95'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.3"	0"	
Invert 2	481.95'	146°	73.897"	12" HDPE	14.5"	Hole 16	16"	16.312"	-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)

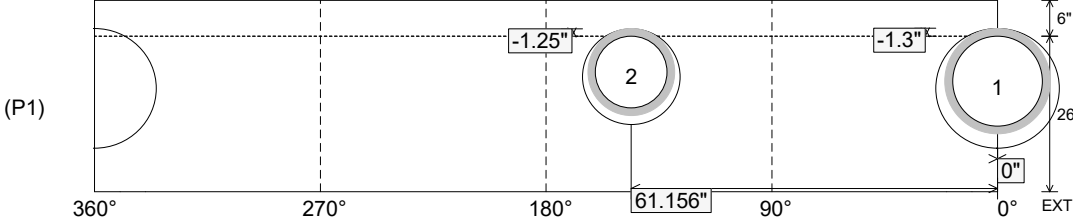


INVERT 1
Degree: 0°
Horz: 0"
Hole: 20"
Up(): -1.3"

INVERT 2
Degree: 146°
Horz: 61.156"
Hole: 16"
Up(): -1.25"

STEP: 270°
Horz: 113.097"

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 26" Height (Ext): 32"	Weight (Net): 2926 lb Volume (Net): 0.75cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 26-2800 901652 13635 Telegraph Road

Job Location: CPU

Contractor: Contech Engineering Solutions

Plant: Beaver Dam

6/24/2026 10:19:55 AM

Tech: S. Felletter

PC: C. Goff

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 10-CS-5

P2 MH060RSVF

MH RISER Custom Ht T/G

P4) 30" - CASTING HEIGHT - 0"

P3) 60" - MH FLAT TOP SPEC. (30" CASTING CAST IN) F/G - 13"

P2) 60" - MH RISER Custom Ht T/G - 63"

P1) 60" - MH BASE Custom Ht T/n - 18"

1) ASSEMBLY REQUIRED

1) CVSTENCILING

2) 60" - Conseal CS-102 1.00"

2) Hole - 16

0 lb

2589 lb

6372 lb

4612 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 13573 lb

Structure Notes:

4" CASTING BY OTHERS

LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE

ICAST TO INSTALL THE INTERNALS

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

Rim: 611.63'

Rim to Invert: 3.06'

Slack: -0.244"

Sump: 57.036"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	608.57'	270°	169.646"	12" PVC SDR35	12.5"	Hole 16	16"	16.196"	32.286"	0"
Invert 2	608.57'	90°	56.549"	12" PVC SDR35	12.5"	Hole 16	16"	16.196"	32.286"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P4)

(P3)

(P2) <<

(P1)

Invert: 2

Degree: 90°

Horz: 47.124"

Hole: 16"

Up(): 32.286"

+ 0°-

Invert: 1

Degree: 270°

Horz: 141.372"

Hole: 16"

Up(): 32.286"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

47.124"

141.372"

32.286"

32.286"

63"

2

1

Coating (Int):

Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 6"
Floor Height: 0"

Height (Int): 63"
Height (Ext): 63"

Weight (Net): 6372 lb
Volume (Net): 1.63cu.yd

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

Plant: Beaver Dam
6/1/2026 8:22:55 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-21

P1 MH060BAVF

MH BASE Custom Ht

- P4) 28" x 34" - CASTING HEIGHT - 7"
P3) 60" - MH FLAT TOP - TDOT NO 12 (28"x34" Hole) - 10"
P2) 60" - MH RISER SPECIAL/CUST. HT - 26"
P1) 60" - MH BASE Custom Ht - 50"
1) CASTING - JBS-3123 MODIFIED SET
2) 60" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
1) Hole - 40
1) Hole - 39
1) Hole - 6

- Structure Notes:
1. PER TDOT D-CB-12RB / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. JBS 3123 MOD SINGLE SET BY ICAST
5. REINFORCING PER ASTM A615 (GRADE 60).
** PER TDOT STD DRAWING D-CB-12RB **
- TOP SLAB - DBL MAT #5 BARS.
- RISER (As .18)
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

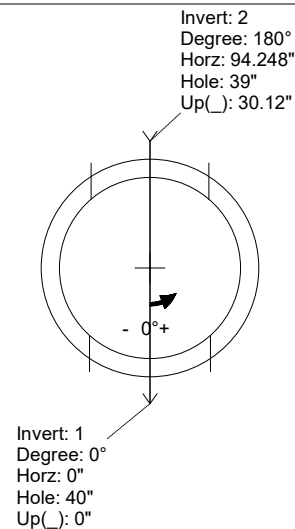
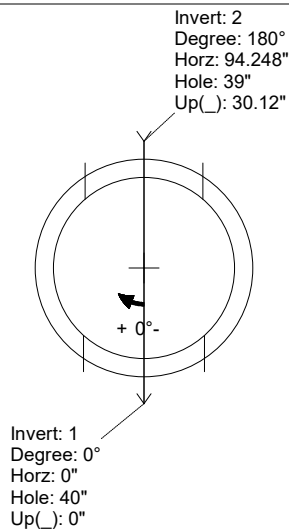
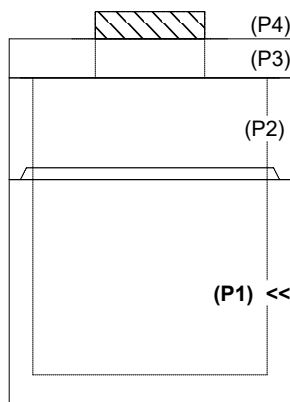
Structure Total: 12993 lb

Rim: 792.82' Rim to Invert: 7.51' Slack: 0.62" Sump: 3.5" Step Position:

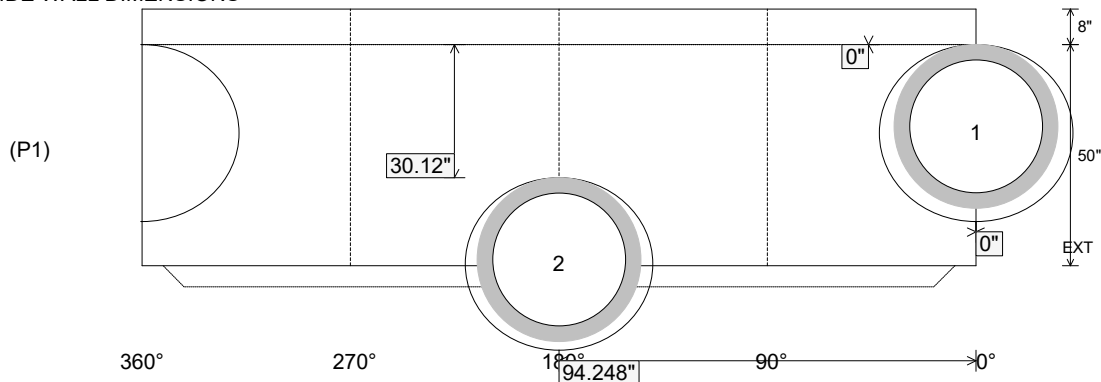
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	785.31'	0°	0"	30" RCP B WALL	37"	Hole 40	40"	43.784"	0"	0"
Invert 2	787.82'	180°	113.097"	30" RCP B WALL	37"	Hole 39	39"	42.455"	30.12"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 50"
Height (Ext): 58"

Weight (Net): 6941 lb
Volume (Net): 1.77cu.yd

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

Plant: Beaver Dam
6/1/2026 8:24:15 AM

Tech: J. Coppage
PC: C. Goff



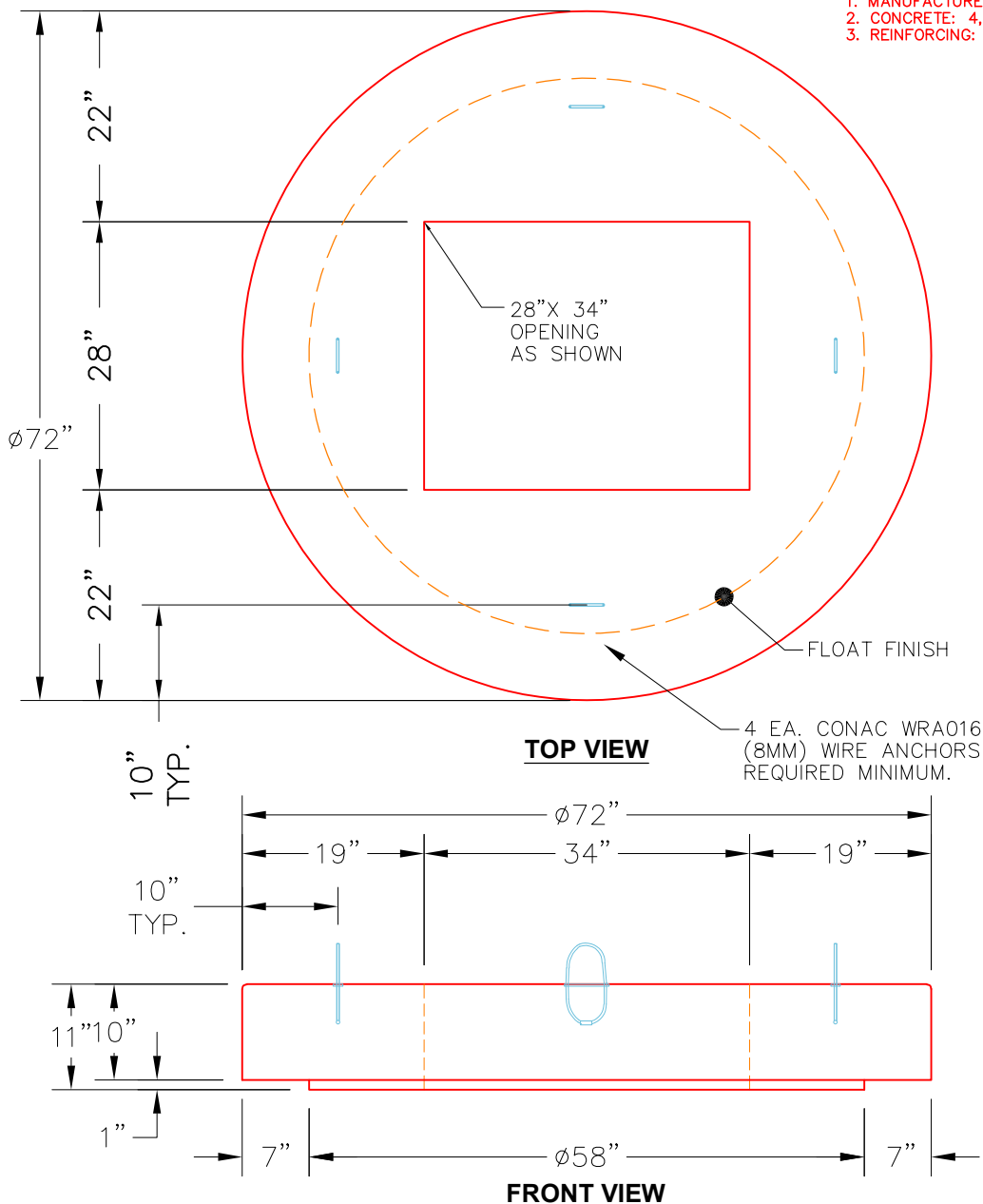
Structure ID: CB-21

P3 MH060LD10SP

MH FLAT TOP - TDOT NO 12 (28"x34" Hole)

- P4) 28" x 34" - CASTING HEIGHT - 7"
P3) 60" - MH FLAT TOP - TDOT NO 12 (28"x34" Hole) - 10"
P2) 60" - MH RISER SPECIAL/CUST. HT - 26"
P1) 60" - MH BASE Custom Ht - 50"
1) CASTING - JBS-3123 MODIFIED SET
2) 60" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
1) Hole - 40
1) Hole - 39
1) Hole - 6

- 0 lb
3417 lb
2385 lb
6941 lb
250 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 12993 lb
- Structure Notes:
1. PER TDOT D-CB-12RB / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. JBS 3123 MOD SINGLE SET BY ICAST
5. REINFORCING PER ASTM A615 (GRADE 60).
** PER TDOT STD DRAWING D-CB-12RB **
- TOP SLAB - DBL MAT #5 BARS.
- RISER (As .18)
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.



- NOTES:
1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: PER TDOT DRAWING D-CB-12RA OR D-RL-1 FOR WWM OPTION.

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 6"	Height (Ext): 10"	Weight (Net): 3417 lb Volume (Net): 0.87cu.yd
----------------------------------	--------------------------------	--------------------	-------------------	--

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

Plant: Beaver Dam
6/1/2026 8:24:11 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-7

P2 MH060LD10SP

MH FLAT TOP - TDOT NO 12 (28"x34" Hole)

- P3) 28" x 34" - CASTING HEIGHT - 7"
P2) 60" - MH FLAT TOP - TDOT NO 12 (28"x34" Hole) - 10"
P1) 60" - MH BASE Custom Ht - 67"
1) CASTING - JBS-3123 MODIFIED SET
1) 60" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
2) Hole - 40
1) Hole - 6

- 0 lb
3417 lb
8350 lb
250 lb
0 lb
0 lb
0 lb
0 lb

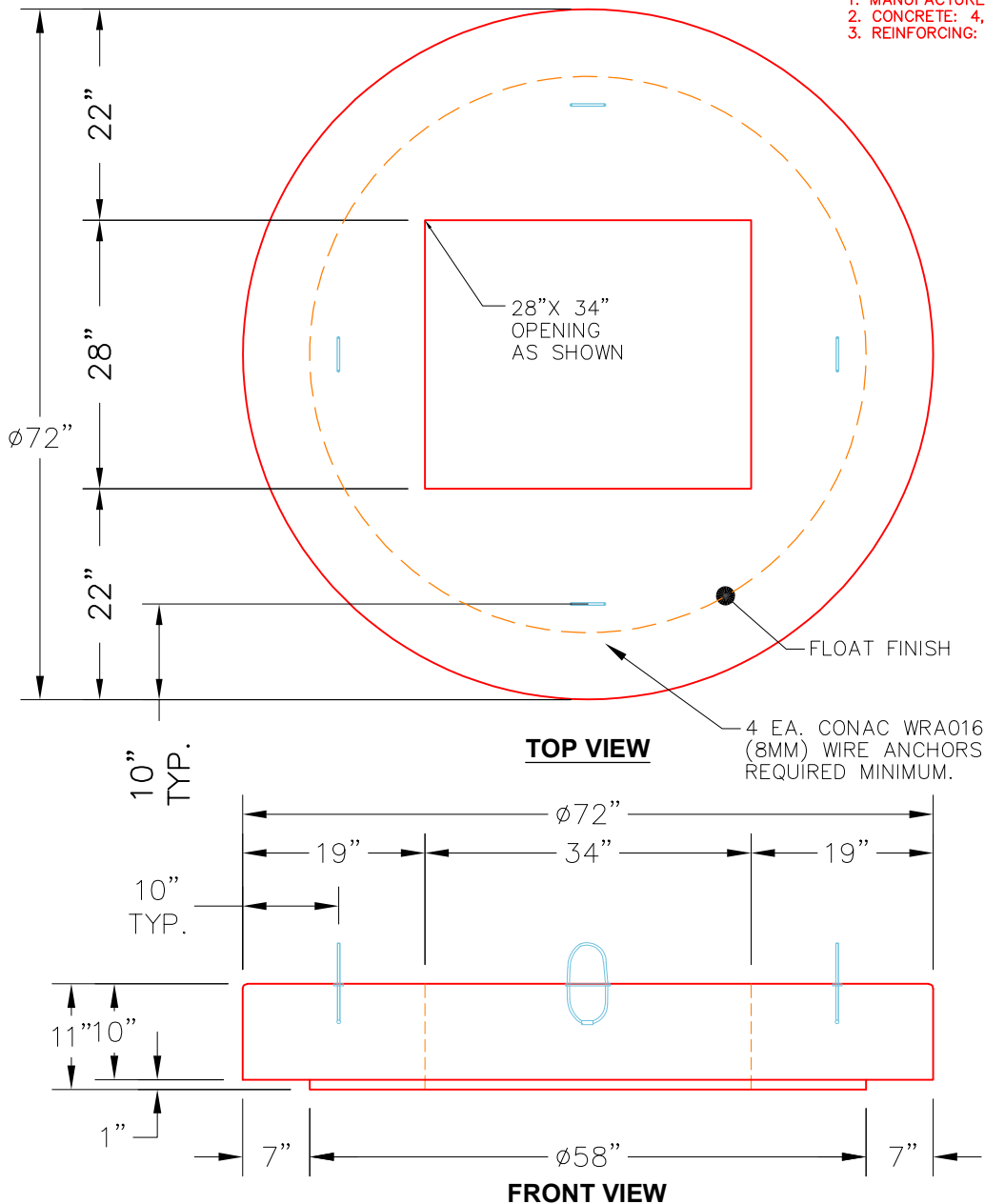
12017 lb
- Structure Notes:
1. PER TDOT D-CB-12RB / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 3123 MOD SINGLE SET BY ICAST
4. REINFORCING PER ASTM A615 (GRADE 60).
** PER TDOT STD DRAWING D-CB-12RB **
- TOP SLAB - DBL MAT #5 BARS.
- RISER (As .18)
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

Structure Total:

12017 lb

NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: PER TDOT DRAWING D-CB-12RA OR D-RL-1 FOR WWM OPTION.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 10"

Weight (Net): 3417 lb
Volume (Net): 0.87cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100		Tech: J. Horsley - A			
					3/20/2026 1:21:36 PM		PC: Celina Goff			
Structure ID: 2301553										
P1 MH060BAVF			MH BASE Custom Ht T/n							
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 48" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 57" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 11) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 3353 lb 2204 lb 7329 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- Structure Total: 17832 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 260 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 751.41' Rim to Invert: 12.54' Slack: 2.48" Sump: 3" Step Position: 260°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	738.87'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	738.97'	160°	100.5"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

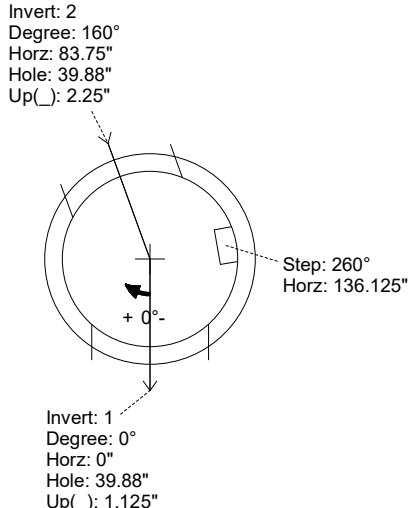
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 57" Height (Ext): 65"	Weight (Net): 7329 lb Volume (Net): 1.87cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/20/2026 1:21:36 PM		Tech: J. Horsley - A PC: Celina Goff			
Structure ID: 2301553										
P1 MH060BAVF			MH BASE Custom Ht T/n							
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 48" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 57" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 11) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 3353 lb 2204 lb 7329 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- Structure Total: 17832 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 260 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 751.41' Rim to Invert: 12.54' Slack: 2.48" Sump: 3" Step Position: 260°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	738.87'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	738.97'	160°	100.5"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

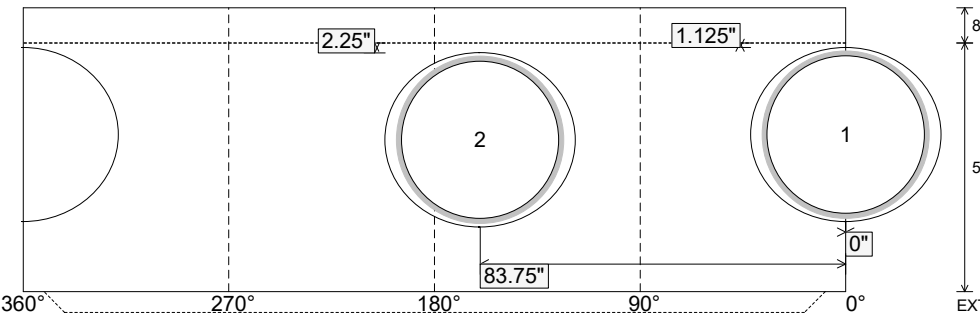
RIGHT-SIDE UP VIEW (int. dimensions)



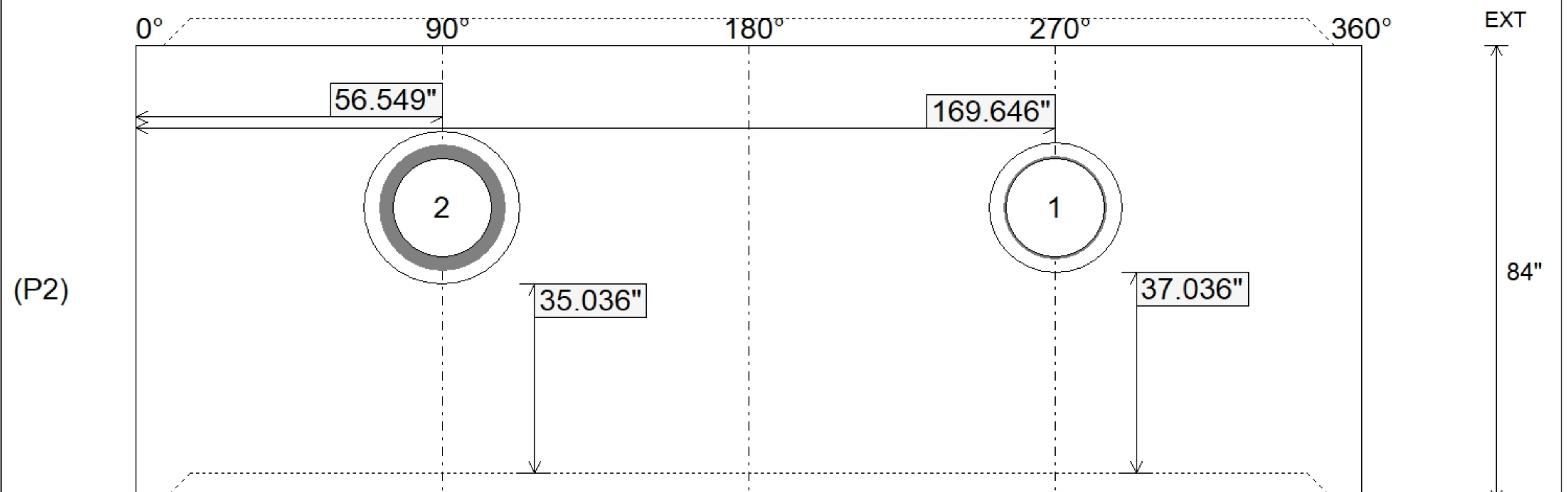
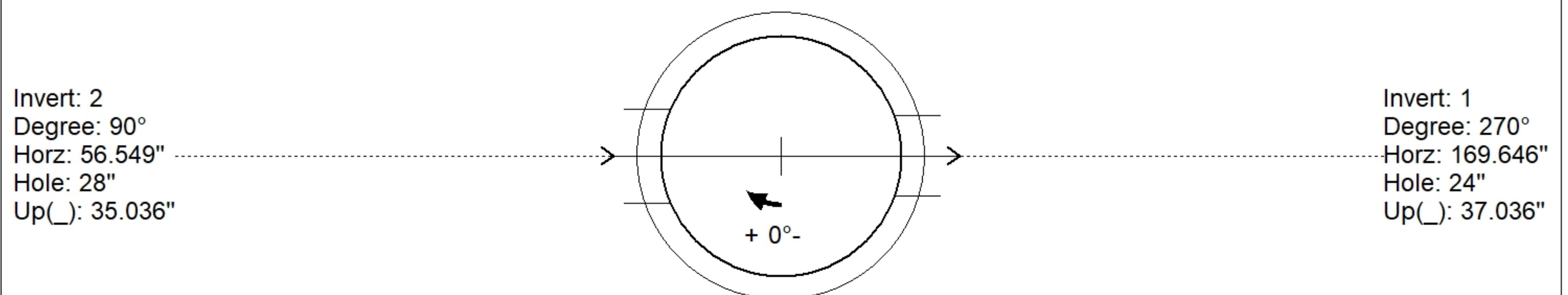
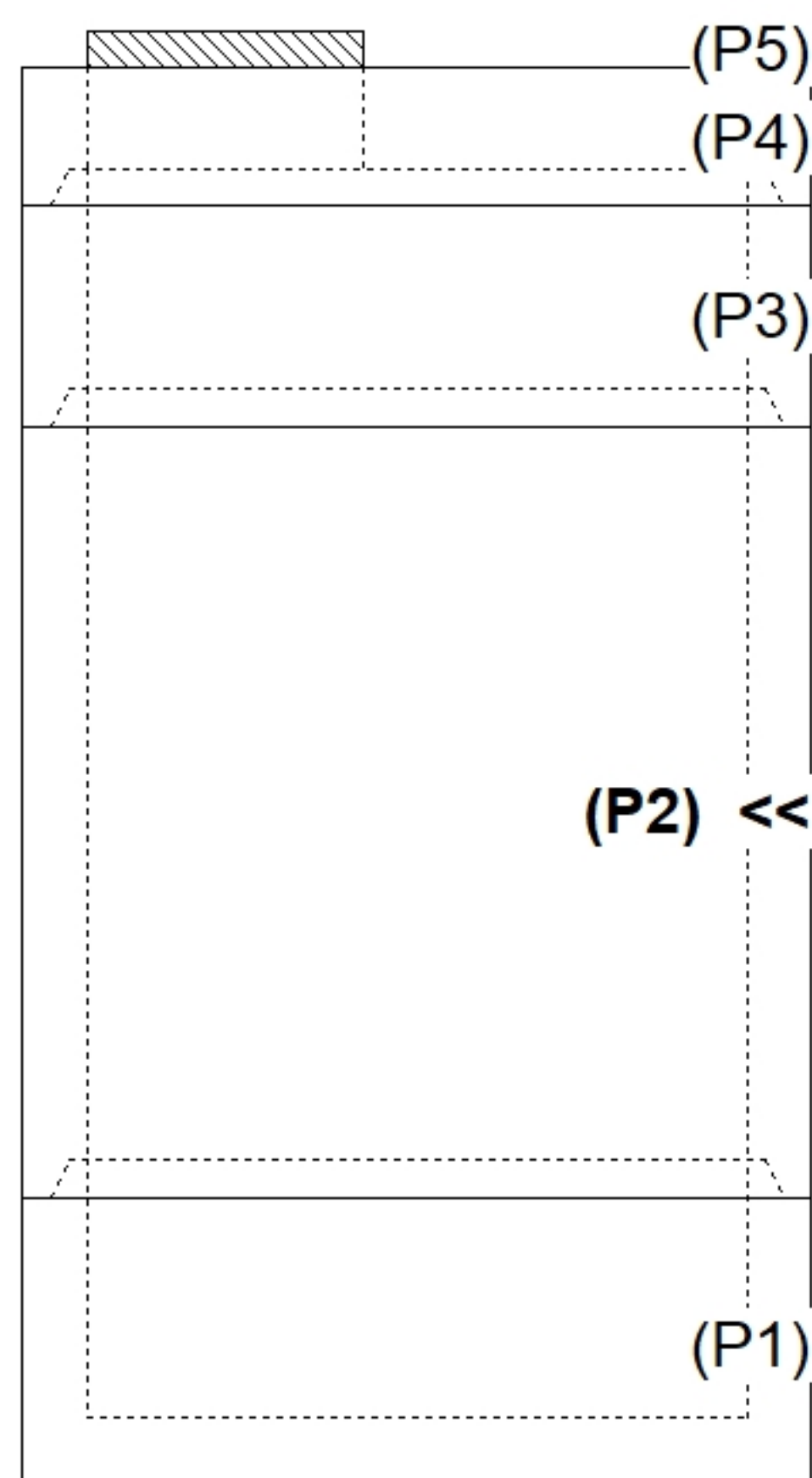
UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 57" Height (Ext): 65"	Weight (Net): 7329 lb Volume (Net): 1.87cu.yd
----------------------------------	---------------------------------	--	--	--

[illegible]

Weight (Net): 11606 lb
Volume (Net): 2.96cu.yd

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

Plant: Beaver Dam
6/1/2026 8:23:05 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-31

P1 MH072BA72

MH BASE

- P4) 28" x 34" - CASTING HEIGHT - 7"
P3) 72" - MH FLAT TOP - TDOT NO 12 (28"x34" Hole) - 10"
P2) 72" - MH RISER SPECIAL/CUST. HT - 26"
P1) 72" - MH BASE - 72"
1) CASTING - JBS-3123 MODIFIED SET
2) 72" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
2) Hole - 54
1) Hole - 6

- 0 lb
4406 lb
3774 lb
11420 lb
250 lb
0 lb
0 lb
0 lb
0 lb
0 lb
- Structure Notes:
1. PER TDOT D-CB-12RB / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 3123 MOD SINGLE SET BY ICAST
4. REINFORCING PER ASTM A615 (GRADE 60).
** PER TDOT STD DRAWING D-CB-12RB **
- TOP SLAB - DBL MAT #5 BARS.
- RISER (As .18)
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

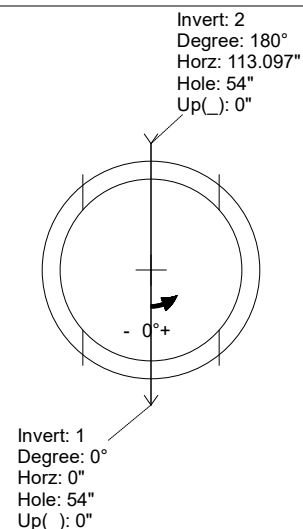
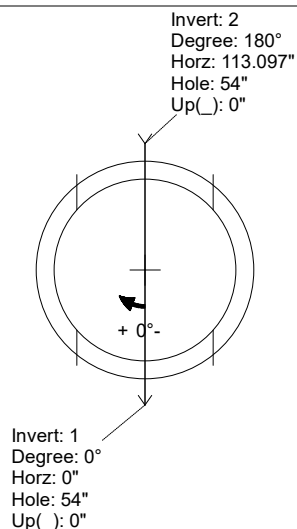
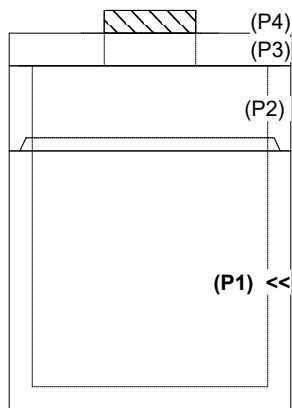
Structure Total: 19850 lb

Rim: 814.56' Rim to Invert: 9.29' Slack: 0.98" Sump: 4.5" Step Position:

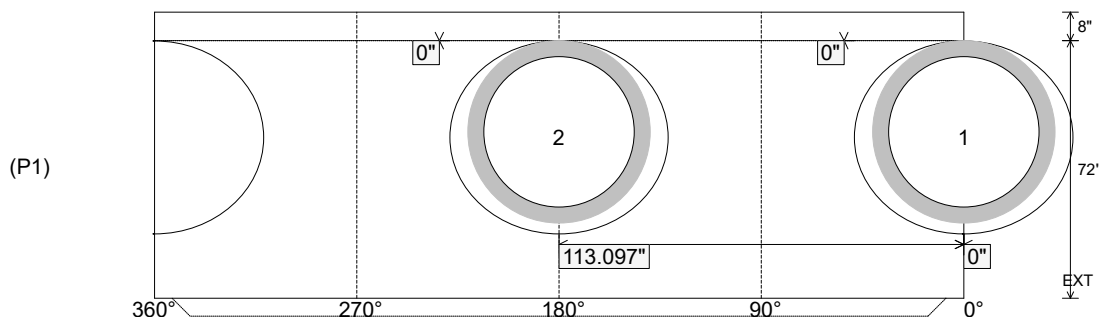
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	805.27'	0°	0"	42" RCP B WALL	51"	Hole 54	54"	61.06"	0"	0"
Invert 2	805.27'	180°	135.088"	42" RCP B WALL	51"	Hole 54	54"	61.06"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 7"
Floor Height: 8"

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

Weight (Net): 11420 lb
Volume (Net): 2.92cu.yd

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

Plant: Beaver Dam
6/1/2026 8:24:17 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-31

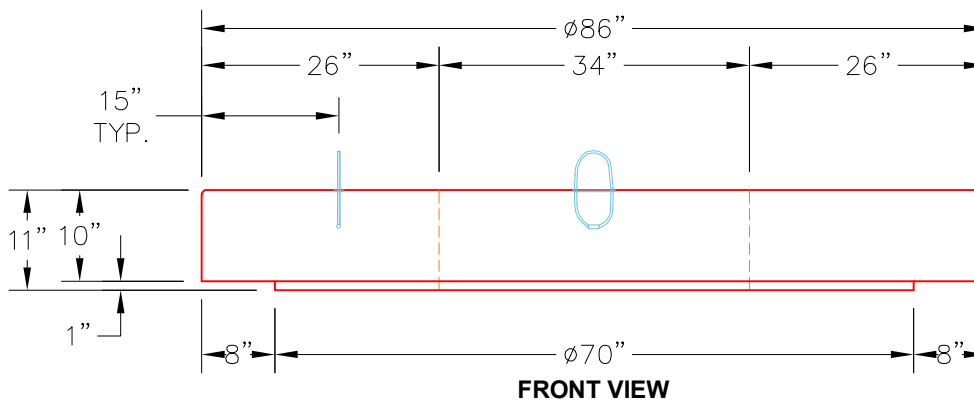
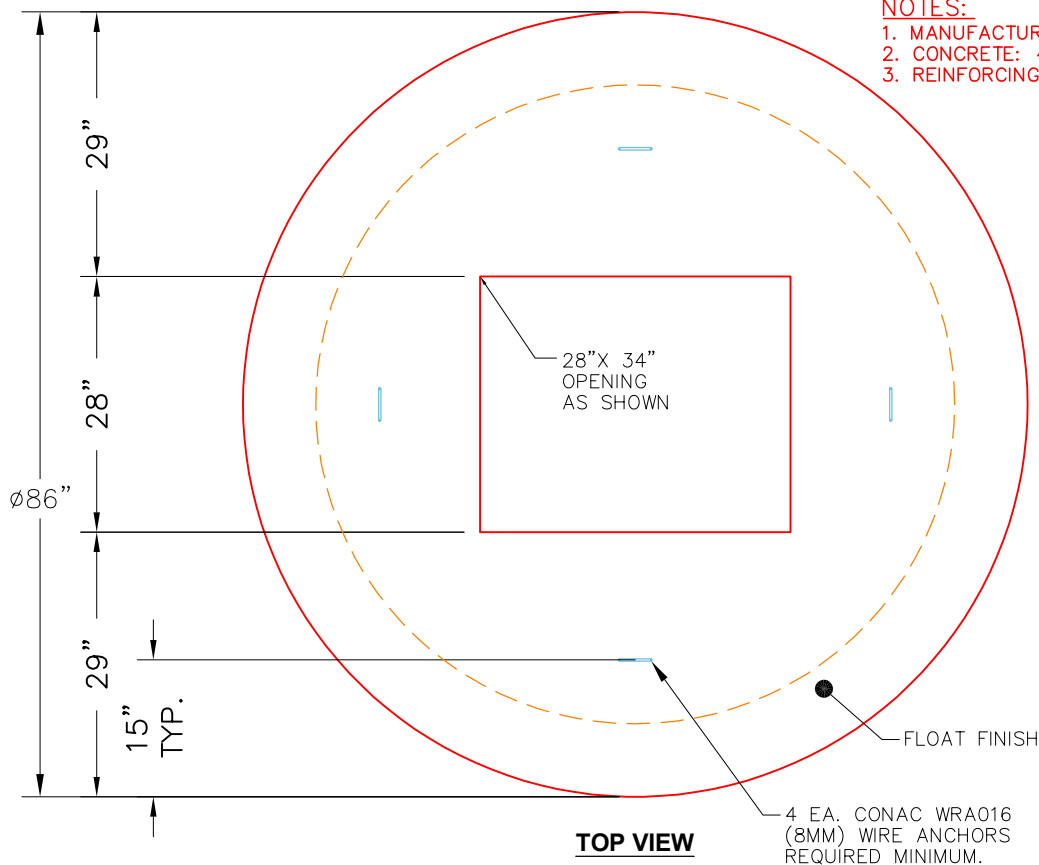
P3 MH072LD10SP

MH FLAT TOP - TDOT NO 12 (28"x34" Hole)

- P4) 28" x 34" - CASTING HEIGHT - 7"
P3) 72" - MH FLAT TOP - TDOT NO 12 (28"x34" Hole) - 10"
P2) 72" - MH RISER SPECIAL/CUST. HT - 26"
P1) 72" - MH BASE - 72"
1) CASTING - JBS-3123 MODIFIED SET
2) 72" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
2) Hole - 54
1) Hole - 6

0 lb
4406 lb
3774 lb
11420 lb
250 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 19850 lb

Structure Notes:
1. PER TDOT D-CB-12RB / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 3123 MOD SINGLE SET BY ICAST
4. REINFORCING PER ASTM A615 (GRADE 60).
** PER TDOT STD DRAWING D-CB-12RB **
- TOP SLAB - DBL MAT #5 BARS.
- RISER (As .18)
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 7"

Height (Ext): 10"

Weight (Net): 4406 lb
Volume (Net): 1.12cu.yd

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

Plant: 100

6/2/2026 10:56:16 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: V V (16)

P2 MH096LD17S

MH FLAT TOP w/48"x48" Hatch F/G

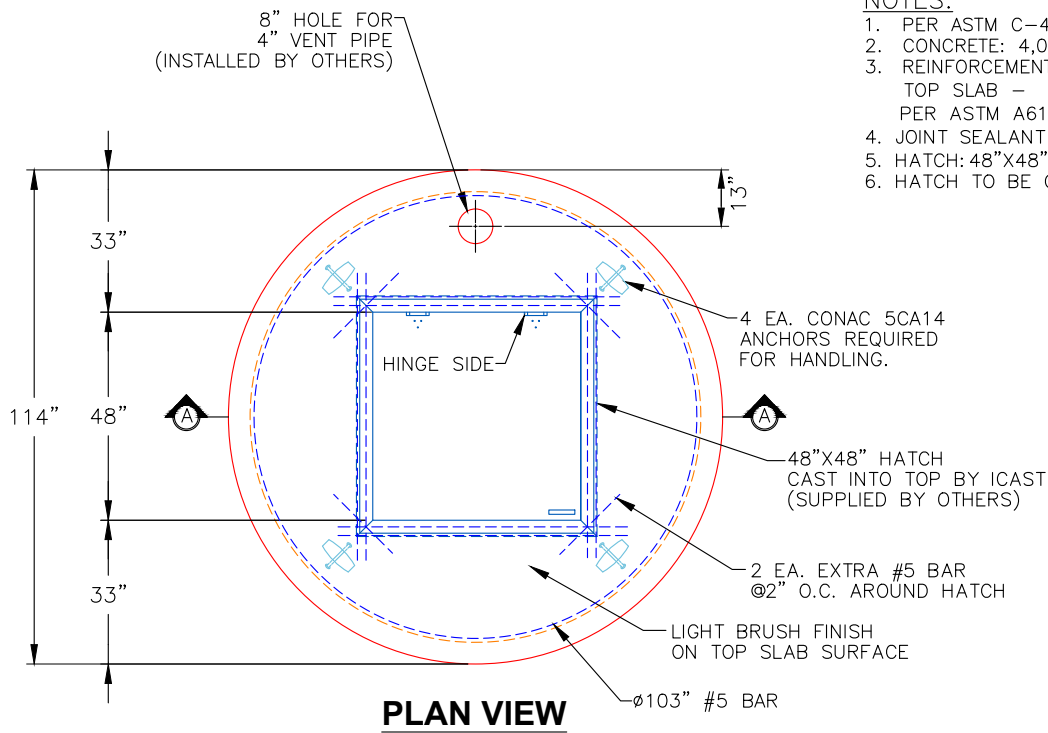
P3) 48" x 48" - CASTING HEIGHT - 0"
P2) 96" - MH FLAT TOP w/48"x48" Hatch F/G - 17"
P1) 96" - MH BASE EF Cust. Ht. 08"F (14"EF = 142"OD) T/n - 73"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 96" - Conseal CS-102 1.00" (Double)
1) 48" x 48" - Conseal CS-102 1.00" (Double)
3) Hole - 12
1) PSX - 8QRS DD

0 lb
8607 lb
28510 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
6 lb
Structure Total: 37124 lb

Structure Notes:

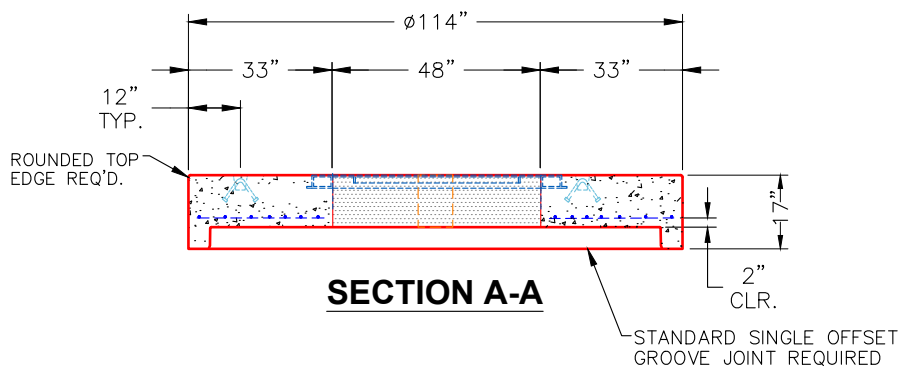
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS.
4. HATCH SUPPLIED BY OTHERS.

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.(DOUBLE MAT)



NOTES:

1. PER ASTM C-478 LATEST REVISION
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCEMENT:
TOP SLAB - #5 BAR @ 6" C.C.E.W.
PER ASTM A615 (GRADE 60)
4. JOINT SEALANT - 1" CS-102-DOUBLE
5. HATCH: 48"X48" HATCH SUPPLIED BY OTHERS.
6. HATCH TO BE CAST INTO TOP SLAB BY ICAST



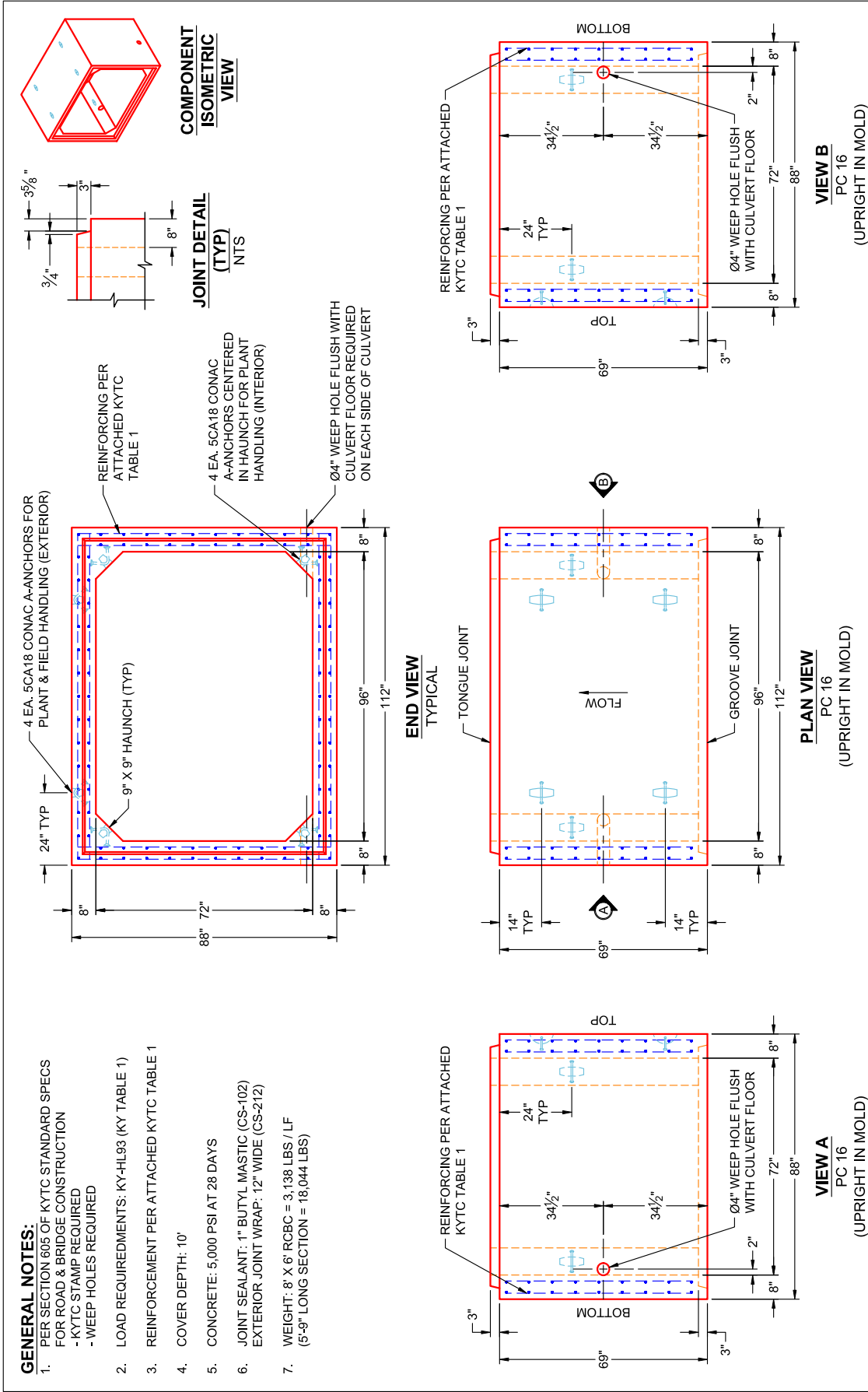
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

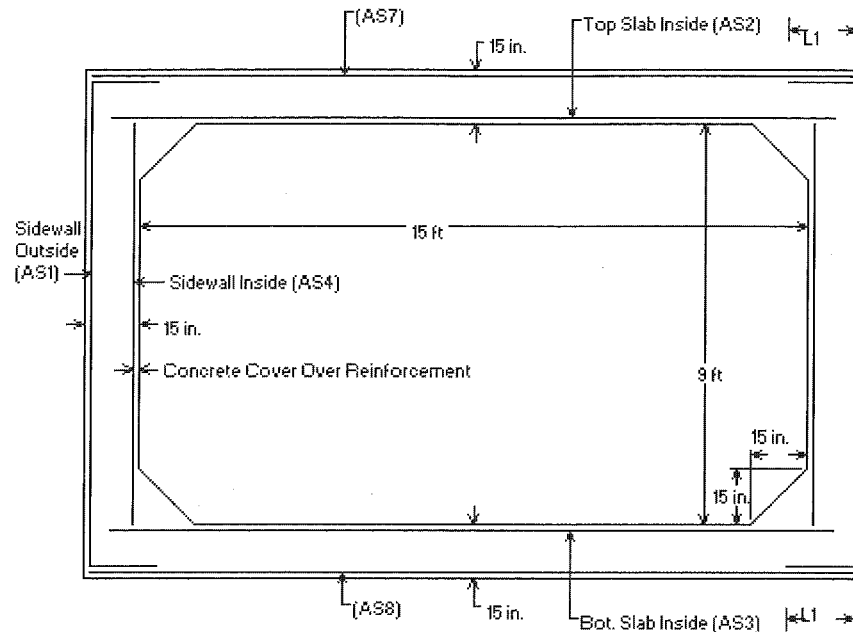
Wall Thickness: 9"

Height (Ext): 17"

Weight (Net): 8607 lb
Volume (Net): 2.2cu.yd



PRODUCTION WORK ORDER		PRODUCT I.D.: BC096072-08WLF-9H	DESCRIPTION: 96" X 72" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)
	QUALITY CONTROL CHECKLIST		CUSTOMER: JIM SMITH CONTRACTING
	☐ ALL DIMENSIONS CORRECT.		PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)
	☐ LIFTERS INSTALLED INSIDE.		STRUCTURE: ST. 43+62 (PC 16)
	☐ RECESS WITH HAUNCHES CORRECT.		ORDER NO: 24-1643B
	☐ REINFORCING CORRECT.		PE: J.H. ROSS
☐ SURFACE QUALITY ACCEPTABLE.		TOP SECTION JOINT: TONGUE	DRAWING: K. CARDWELL
☐ LIFTERS INSTALLED OUTSIDE.		BASE SECTION JOINT: GROOVE	SCALE: NTS
☐ PRODUCT SQUARE.		QC CHECK INITIALS:	PG. 1 OF 1
THIS DRAWING IS THE PROPERTY OF INFRASTRUCTURE PRECAST, INC. ANY USE OR DUPLICATION OF THIS DRAWING WITHOUT PRIOR AUTHORIZATION IS STRICTLY PROHIBITED.			



- * <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.

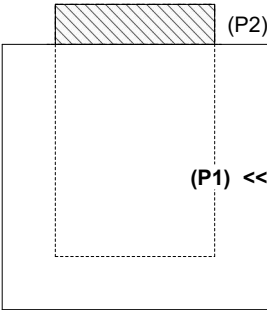
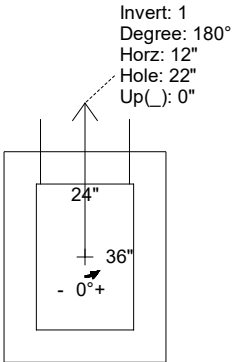
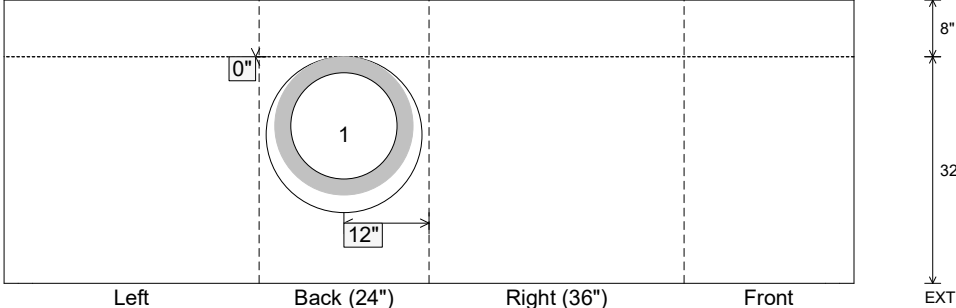
KY Table 1

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: 26-2104 - Jeffersonville High School Parking Lot Job Location: Jeffersonville, IN Contractor: Mac Construction & Excavating, Inc.					Plant: 100 6/27/2026 7:12:35 PM		Tech: Jared - A PC: T. Lewis				
Structure ID: 4 ST-CI											
P1 BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n									
P2) 24" x 36" - CASTING HEIGHT - 6" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 32" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22					0 lb 4406 lb 0 lb 0 lb ----- 4406 lb Structure Total:		<u>Structure Notes:</u> 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. STORM INVERT BY OTHERS 5. HOE 525 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS				
Rim: 483.8' Rim to Invert: 3.14' Slack: 1.93' Sump: 2.25' Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	480.66'	180°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimensions) INSIDE WALL DIMENSIONS											
											
											
Coating (Int): Coating (Ext):					Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 32" Height (Ext): 40"		Weight (Net): 4406 lb Volume (Net): 1.12cu.yd

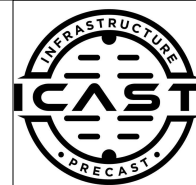


Weight (Net): 4458 lb
Volume (Net): 1.14cu.yd

Job Name: 25-1684P12 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.
6/24/2026 1:33:04 PM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 1022+21 RT DBI 5A INLET 18

P1 BX3648-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 36" x 48" - P.I.P. - BY OTHERS - 8"
P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 28"
1) 36" x 48" - SGL 1"x14.5' Butyl
1) Hole - 22"

Structure Total: 5712 lb

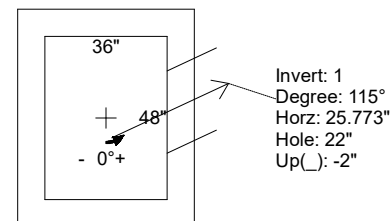
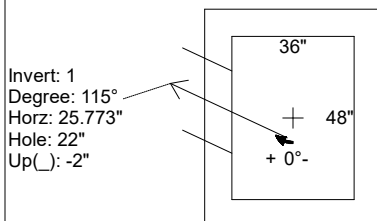
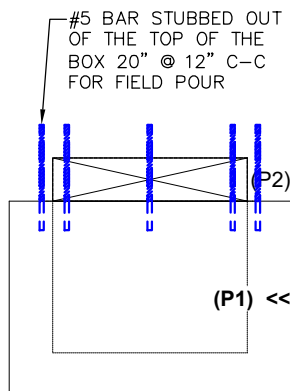
Structure Notes:
-KYTC STATE PROJECT 251007
-REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
-CASTING FRAMES & GRATES BY OTHERS.
-CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
-KYTC CERTIFICATIONS REQUIRED.
-#5 BAR EXTENDED OUT OF TOP OF BOX 20" AT 12" C/C.

Rim: 580' Rim to Invert: 3' Slack: 0" Sump: 0" Step Position:

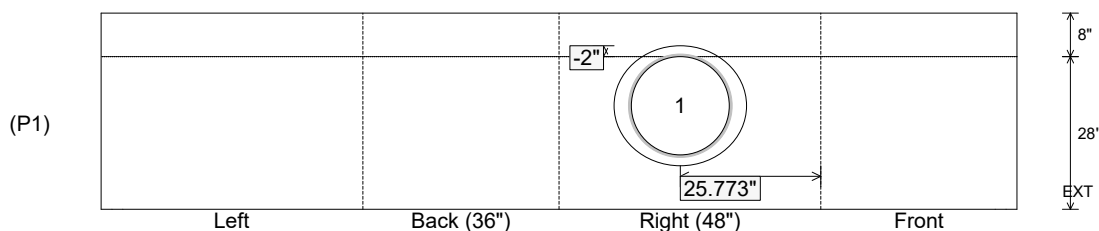
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	577'	115°	37.504"	18" CMP	19"	Hole 22	22"	24.274"	-2"	-6"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 28"
Height (Ext): 36"

Weight (Net): 5712 lb
Volume (Net): 1.46cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt				Plant: 100 6/4/2026 4:51:42 PM		Tech: Jared - A PC: J. Jarvis					
Structure ID: 501											
P1 BX2436-08BVF				BOX BASE 8inW, 8inF, Variable Ht T/n							
P3) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 46" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 3) Hole - 24 2) Hole - 8						3400 lb 5270 lb 5187 lb 206 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 14063 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / 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. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP			
Rim: 892.5'				Rim to Invert: 6.19'		Slack: 0.28"		Sump: 0"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	886.31'	0°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	886.31'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 3	886.31'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 4	889.31'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	34"	0"	
Invert 5	889.31'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	34"	0"	
Invert 6											
Invert 7											
Invert 8											

(P3)

(P2)

(P1) <<

Invert: 5
Degree: 180°
Horz: 12"
Hole: 8"
Up(): 34"

Invert: 2
Degree: 90°
Horz: 18"
Hole: 24"
Up(): -3"

Invert: 3
Degree: 270°
Horz: 18"
Hole: 24"
Up(): -3"

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

Invert: 4
Degree: 0°
Horz: 12"
Hole: 8"
Up(): 34"

24"

36"

- 0°+

INSIDE WALL DIMENSIONS

3

18"

2

18"

1

12"

34"

12"

34"

Left

Back (24")

Right (36")

Front

8"

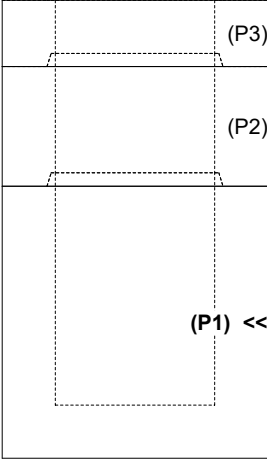
46"

EXT

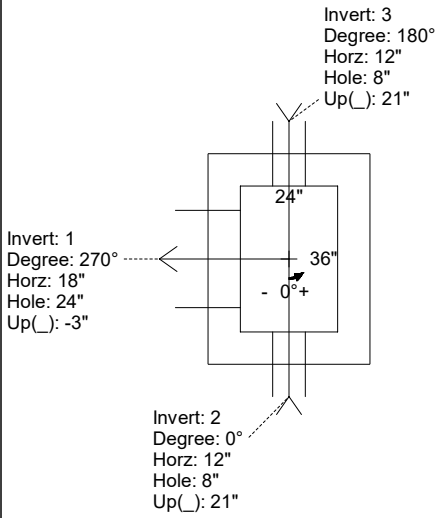
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 46" Height (Ext): 54"	Weight (Net): 5187 lb Volume (Net): 1.32cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/4/2026 4:52:18 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 502											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht T/n							
P3) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 33" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 24 2) Hole - 8					3400 lb 5270 lb 4392 lb 206 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 13268 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / 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. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP				
Rim: 891.57' Rim to Invert: 5.09' Slack: 0.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	886.48'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	888.4'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"	
Invert 3	888.4'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

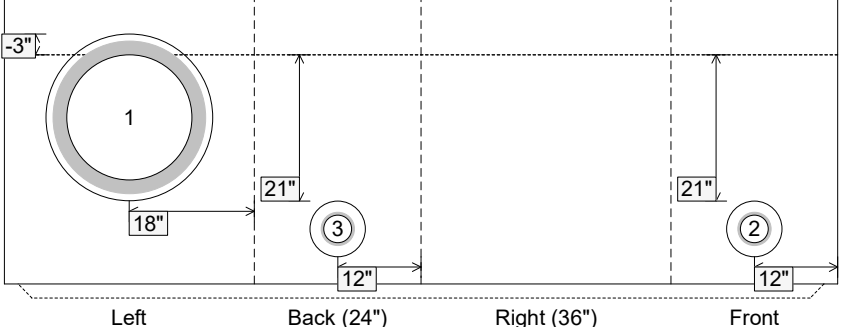
RIGHT-SIDE UP VIEW (int. dimensions)



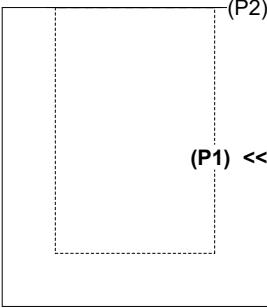
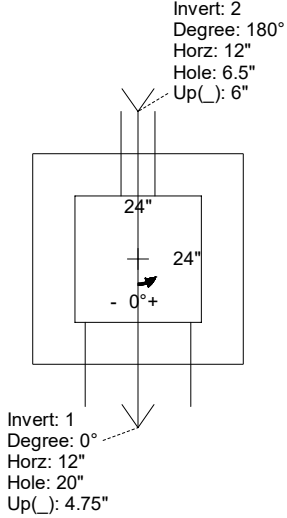
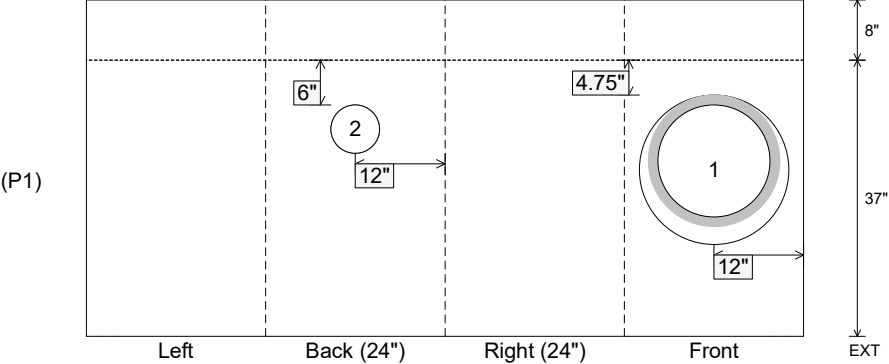
UPSIDE-DOWN VIEW (int. dimensions)



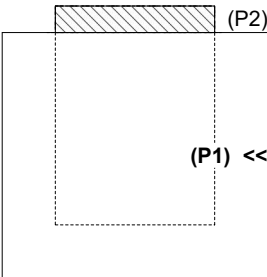
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 33" Height (Ext): 41"	Weight (Net): 4392 lb Volume (Net): 1.12cu.yd
----------------------------------	---------------------------------	--	--	--

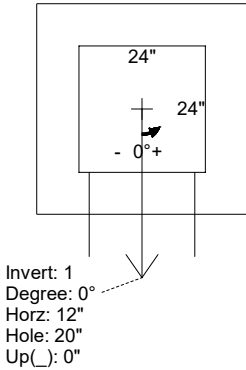
Job Name: 26-2564 - Taubensee Steel Job Location: Henderson, KY Contractor: K&K Excavating Inc.					Plant: 100 6/24/2026 6:15:15 AM		Tech: J. Horsley PC: T. Lewis				
Structure ID: 302 ST-OCS											
P1 BX2424-08BAVF			BOX BASE 8inW, 8inF, Variable Ht F/n								
P2) 24" x 24" - CASTING HEIGHT - 0" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 37" 1) CASTING - TRASHRACKS LFS-2424-P SQ. Flush Mount Grate 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 20 1) Hole - 6.5						0 lb 4020 lb 59 lb 0 lb 0 lb 0 lb Structure Total: 4079 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. TRASHRACKS LFS-2424 SQUARE FLUSH MOUNT GRATE SUPPLIED BY ICAST			
Rim: 384.1' Rim to Invert: 2.6' Slack: 0.2" Sump: 6" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	381.5'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	4.75"	0"	
Invert 2	381.5'	180°	20"	6.5" Orifice	6.5"	Hole 6.5	6.5"	6.5"	6"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimensions)   INSIDE WALL DIMENSIONS  Coating (Int): Coating (Ext): Seam Up: Flat Seam Dn: n/a Wall Thickness: 8" Floor Height: 8" Height (Int): 37" Height (Ext): 45" Weight (Net): 4020 lb Volume (Net): 1.03cu.yd											

Job Name: 26-2564 - Taubensee Steel Job Location: Henderson, KY Contractor: K&K Excavating Inc.					Plant: 100 6/24/2026 6:15:13 AM		Tech: J. Horsley PC: T. Lewis			
Structure ID: 202 ST-AD										
P1 BX2424-08BAVF			BOX BASE 8inW, 8inF, Variable Ht F/n							
P2) 24" x 24" - CASTING HEIGHT - 4" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 29" 1) CASTING - HOE-326-BH F/G 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 20					0 lb 3355 lb 289 lb 0 lb 0 lb ----- Structure Total: 3644 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE-326-BH FRAME & BEEHIVE GRATE SUPPLIED BY ICAST			
Rim: 387.25' Rim to Invert: 2.65' Slack: 0.1" Sump: 1.3" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	384.6'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

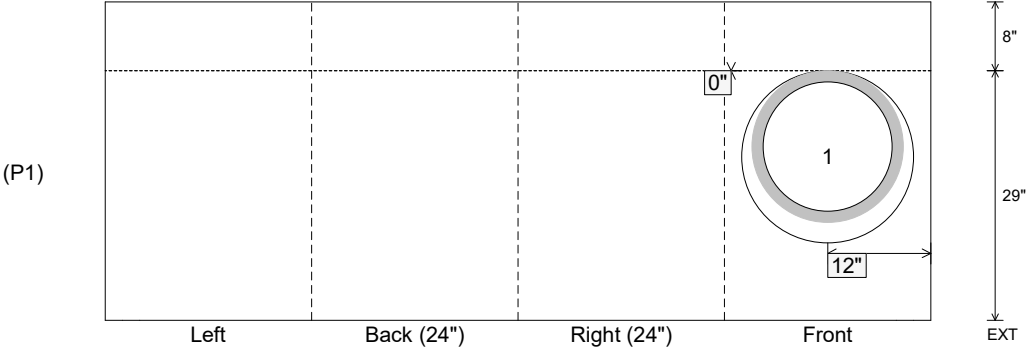


RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



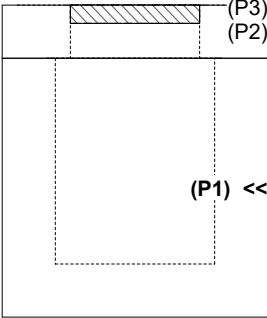
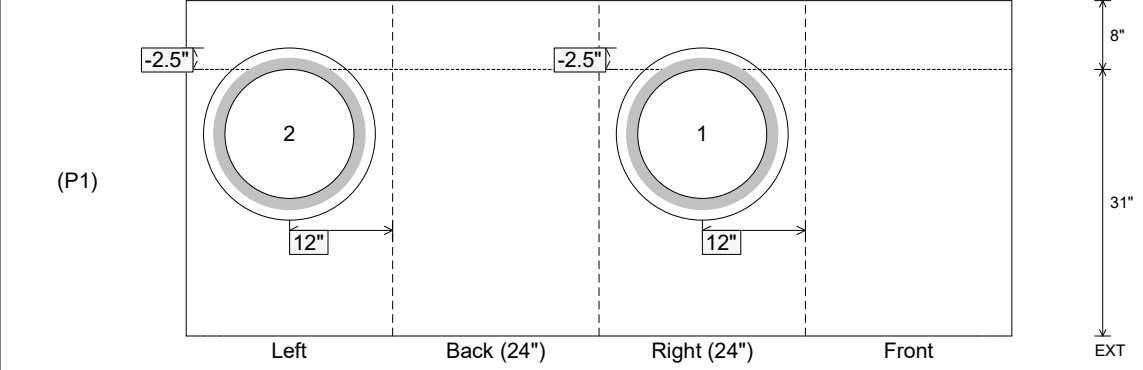
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

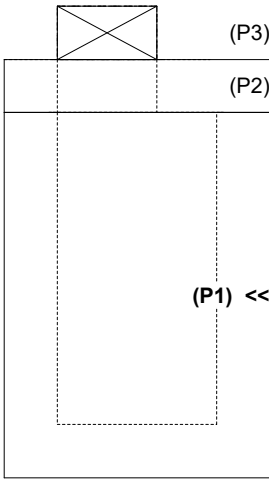
Height (Int): 29"
Height (Ext): 37"

Weight (Net): 3355 lb
Volume (Net): 0.86cu.yd

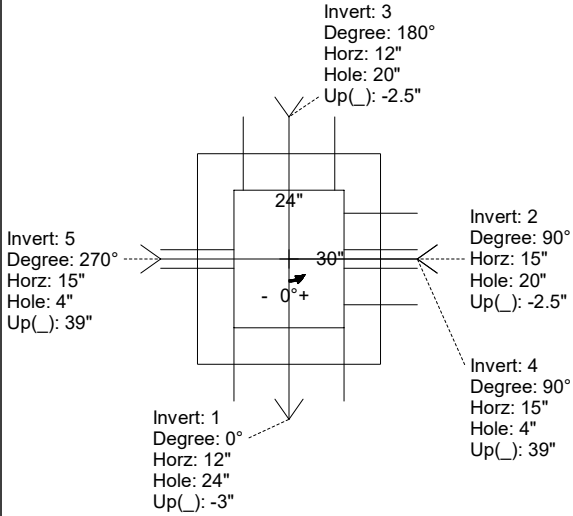
Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction				Plant: 100 6/12/2026 3:09:31 PM		Tech: J. Horsley - A PC: J. Jarvis					
Structure ID: 25											
P1 BX2424-08BAVF				BOX BASE 8inW, 8inF, Variable Ht F/n							
P3) 19.5" - CASTING (cast in) - 2.75" P2) 24" x 24" - CB FLAT TOP 8"W (HOE KY-210) F/F - 8" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 31" 1) This Structure Includes a Cast-in Item - HOE KY-210 Frame (Supplied By Others) 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 20"						0 lb 943 lb 3316 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 4259 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TYPE 14 / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-210 FRAME & GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID			
Rim: 559.3'				Rim to Invert: 3.25'		Slack: 0"		Sump: 0"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	556.05'	90°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-2.5"	0"	
Invert 2	556.05'	270°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-2.5"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
 (P3) (P2) (P1) << RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions) INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 31" Height (Ext): 39"		Weight (Net): 3316 lb Volume (Net): 0.85cu.yd		

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction				Plant: 100 6/12/2026 3:09:28 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 54										
P1 BX24300808VF BOX BASE 8inW, 8inF, Variable Ht F/n										
P3) 15" x 27" - P.I.P. - BY OTHERS - 8" P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8" P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht F/n - 47" 1) 24" x 30" - Conseal CS-102 1.00" 1) 15" x 27" - Conseal CS-102 1.00" 1) Hole - 24 2) Hole - 20 2) Hole - 4 Structure Total: 5949 lb						Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TYPE 13G / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-230G FRAME & GRATE SUPPLIED BY OTHERS - POURED IN PLACE BY OTHERS				
Rim: 552.01' Rim to Invert: 5.25' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	546.76'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"
Invert 2	546.76'	90°	23"	15" HDPE	17.6"	Hole 20	20"	20"	-2.5"	0"
Invert 3	546.76'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-2.5"	0"
Invert 4	550.01'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	39"	0"
Invert 5	550.01'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	39"	0"
Invert 6										
Invert 7										
Invert 8										

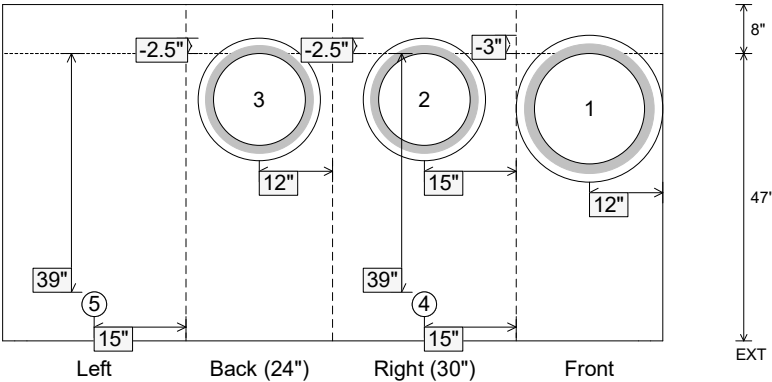
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

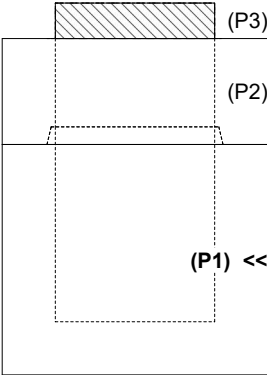


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 47" Height (Ext): 55"	Weight (Net): 4986 lb Volume (Net): 1.27cu.yd
----------------------------------	-------------------------------	--	--	--

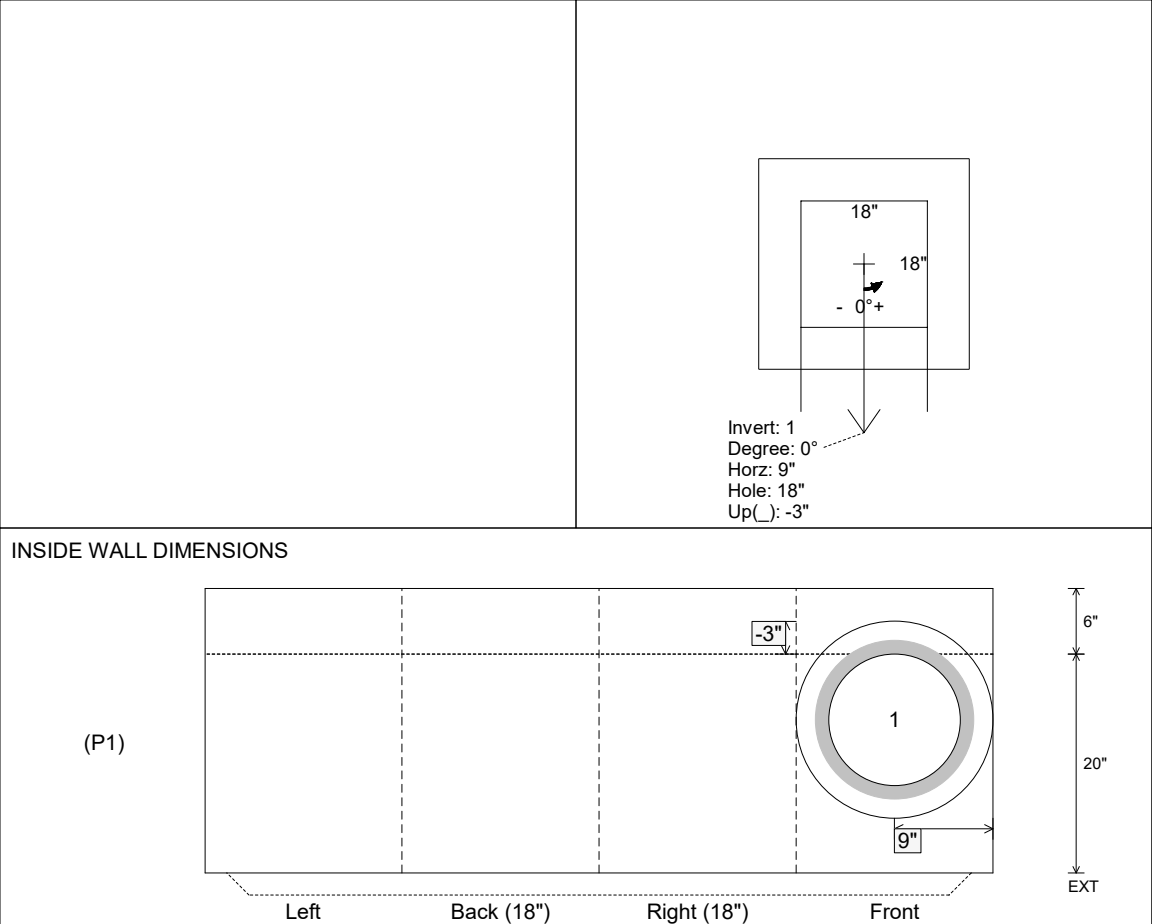
Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction				Plant: 100 6/17/2026 5:40:52 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 45										
P1 BX18180606VF				BOX BASE 6inW, 6inF, Variable Ht T/n						
P3) 18" x 18" - CASTING HEIGHT - 4" P2) 18" x 18" - BOX RISER 6inW F/G - 12" P1) 18" x 18" - BOX BASE 6inW, 6inF, Variable Ht T/n - 20" 2) 18" x 18" - Conseal CS-102 1.00" 1) Hole - 18"						0 lb 580 lb 1324 lb 0 lb 0 lb 1904 lb Structure Total:		Structure Notes: 1. PER MSD YARD DRAIN / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS		
Rim: 551.73' Rim to Invert: 3' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	548.73'	0°	15"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INSIDE WALL DIMENSIONS

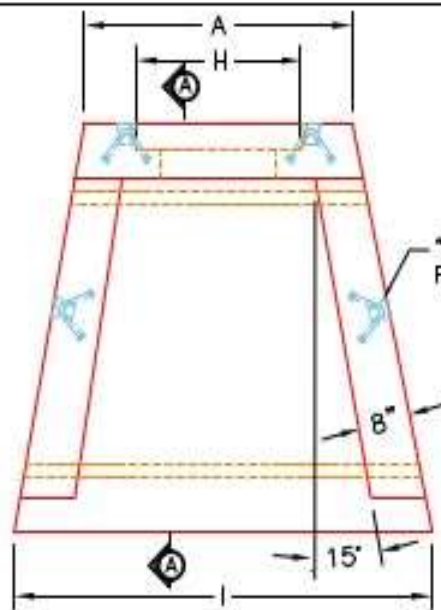


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 20" Height (Ext): 26"	Weight (Net): 1324 lb Volume (Net): 0.34cu.yd
----------------------------------	---------------------------------	--	--	--

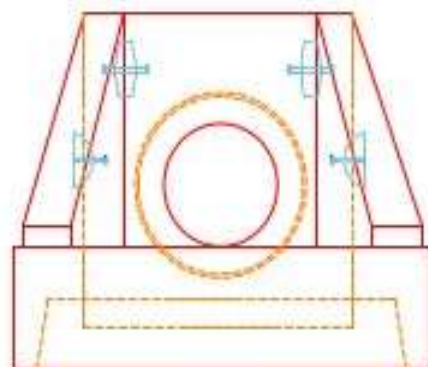
Structure ID: LTHW-2-3 HW

P1 HWSF18

18" - SLOPED & FLARED HEADWALL F/F

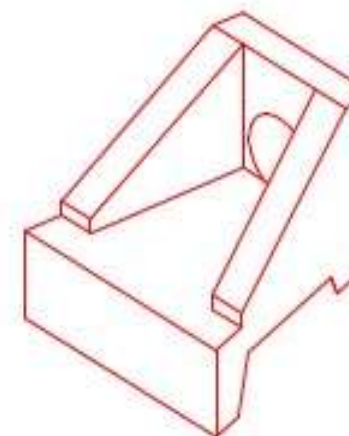


PLAN VIEW

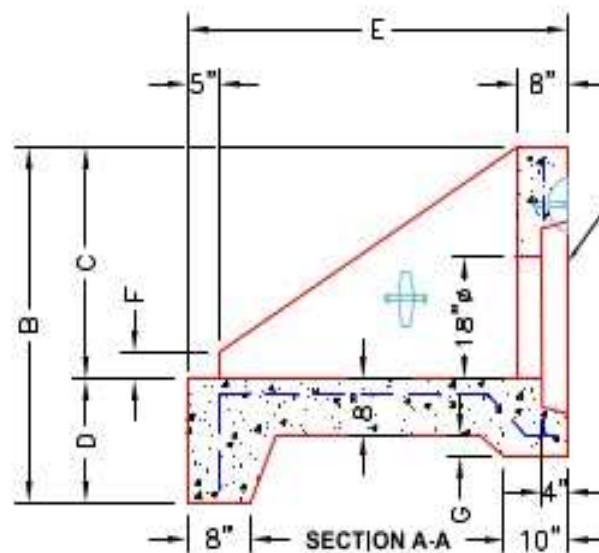


FRONT ELEVATION

DIMENSIONS										
PIPE Ø	A	B	C	D	E	F	G	H	I	WEIGHT
18"	3'-0"	3'-9"	2'-3"	1'-6"	4'-6"	4"	2 1/2"	2'-2"	3'-2"	3,640 LBS.



ISOMETRIC VIEW
18" HEADWALL



18" TO 22" STEPPED HOLE
FORMER FOR 18" CMP.
18" TO BE FLUSH WITH
FLOOR

~NOTES:

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

PRODUCTION WORK ORDER

PRODUCT I.D.: HWSF18

DESCRIPTION: KYTC 18" SLOPED & FLARED HEADWALL

QUALITY CONTROL CHECKLIST

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: Scott & Ritter

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ STEPPED HF CORRECT SIZE.
- ☐ REINFORCING CORRECT.
- ☐ DISSIPATOR BLOCK INSTALLED.
- ☐ EDGES CHAMFERED.
- ☐ ALL PATCHWORK ACCEPTABLE.

PLANT: BEAVER DAM, KY.

PROJECT: Lake Tandy Spillway Repair

WEIGHT: 3,640 LBS.

STRUCTURE ID.: LTHW-1-2 HW

TOP SECTION JOINT: N/A

QUOTE/SALES ORDER NO: 26-1447

BASE SECTION JOINT: N/A

CHECK: J.H. ROSS, PE

DRAWING: N. RICHARDS

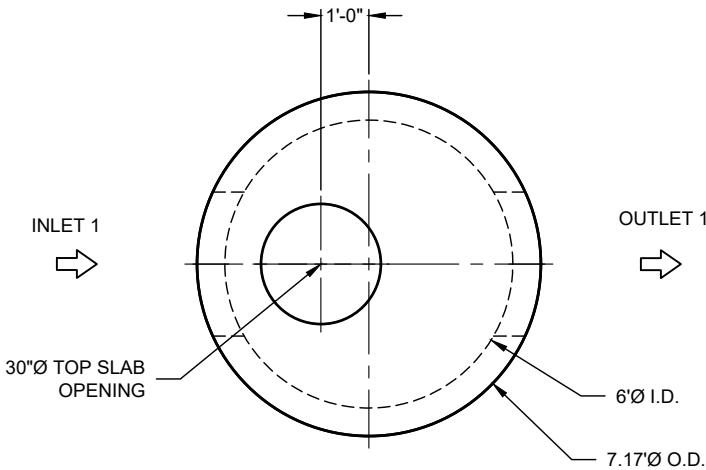
QC CHECK INITIALS:

DATE: REV. 4/22/24

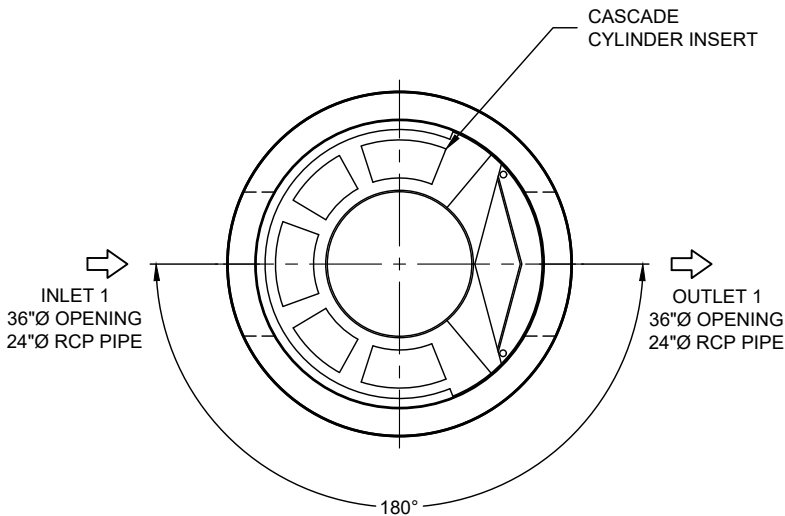
SCALE: NTS

PG. 1 of 1





PLAN VIEW
INTERNALS NOT SHOWN



PLAN VIEW FOR PIPE ORIENTATION
TOP SLAB NOT SHOWN

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

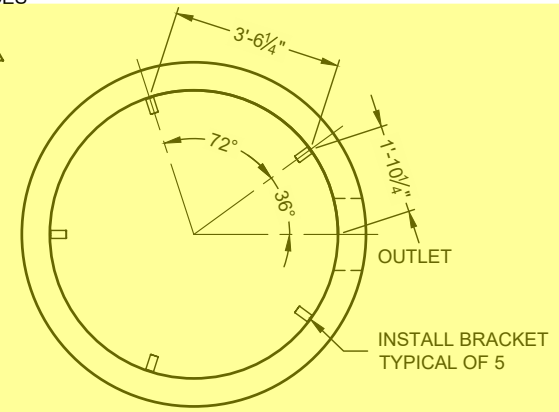
- GENERAL NOTES
- DESIGN LOADING - AASHTO HS-20
 - ALL PRECAST CONCRETE MANUFACTURED PARTS SHALL CONFORM TO ASTM C-478, WITH MINIMUM CONCRETE STRENGTH OF 4000 PSI AT 28 DAYS
 - JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
 - GROUND WATER ELEVATION ASSUMED AT OUTLET INVERT
 - MANUFACTURING 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. = 483+/-
TOP OF STRUCTURE = 482.27
INLET PIPE 1 INVERT ELEV. = 476.86
INLET PIPE 1 DIAMETER AND MATERIAL = 24"Ø RCP
OUTLET PIPE INVERT ELEV. = 476.86
OUTLET PIPE DIAMETER AND MATERIAL = 24"Ø RCP
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 470.35

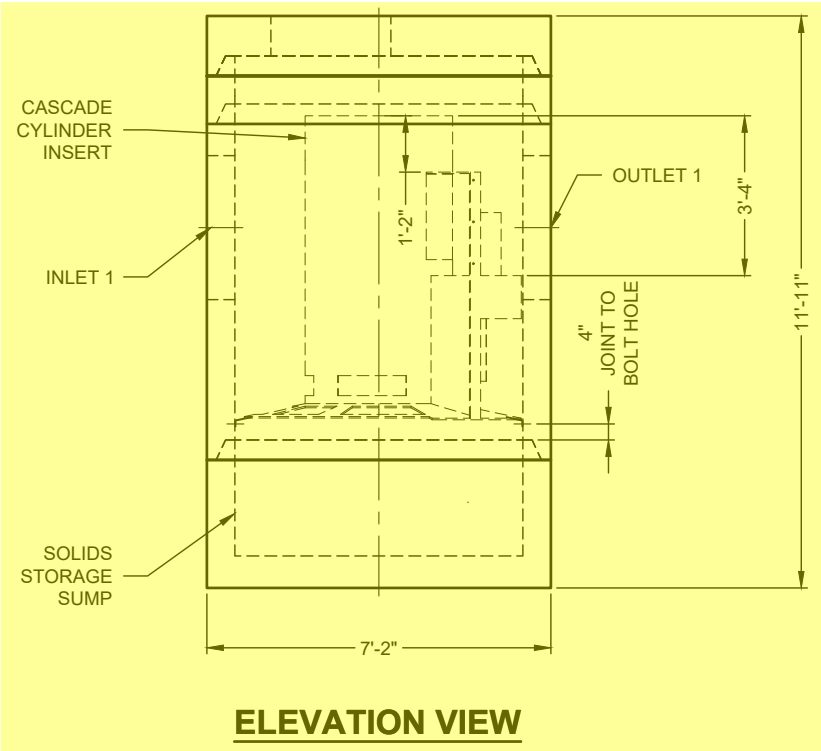
STRUCTURE WEIGHT
APPROXIMATE HEAVIEST PICK = 13500 LBS.
STRUCTURE IS DELIVERED IN 4 PIECES

TOP SLAB = 5000 LBS.
RISER 2 = 2000 LBS.
CONTROL RISER = 13500 LBS.
BASE SECTION = 8500 LBS.

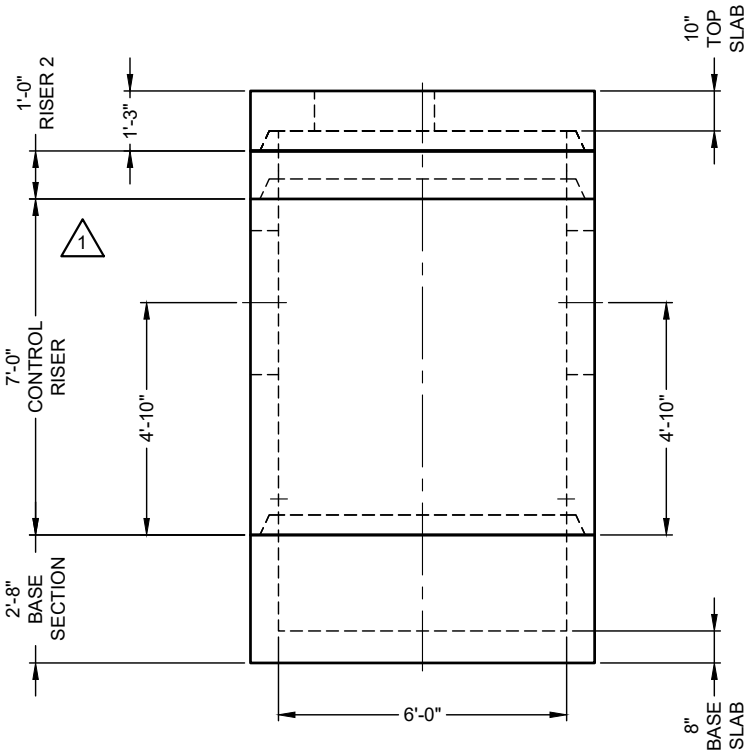


SUPPORT BRACKET LAYOUT PLAN VIEW

10-CS-6
ICAST to fully pre-assemble internal materials prior to shipment



ELEVATION VIEW



PRECAST COMPONENTS
INTERNALS NOT SHOWN

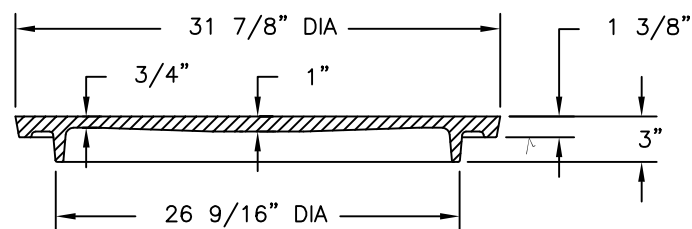
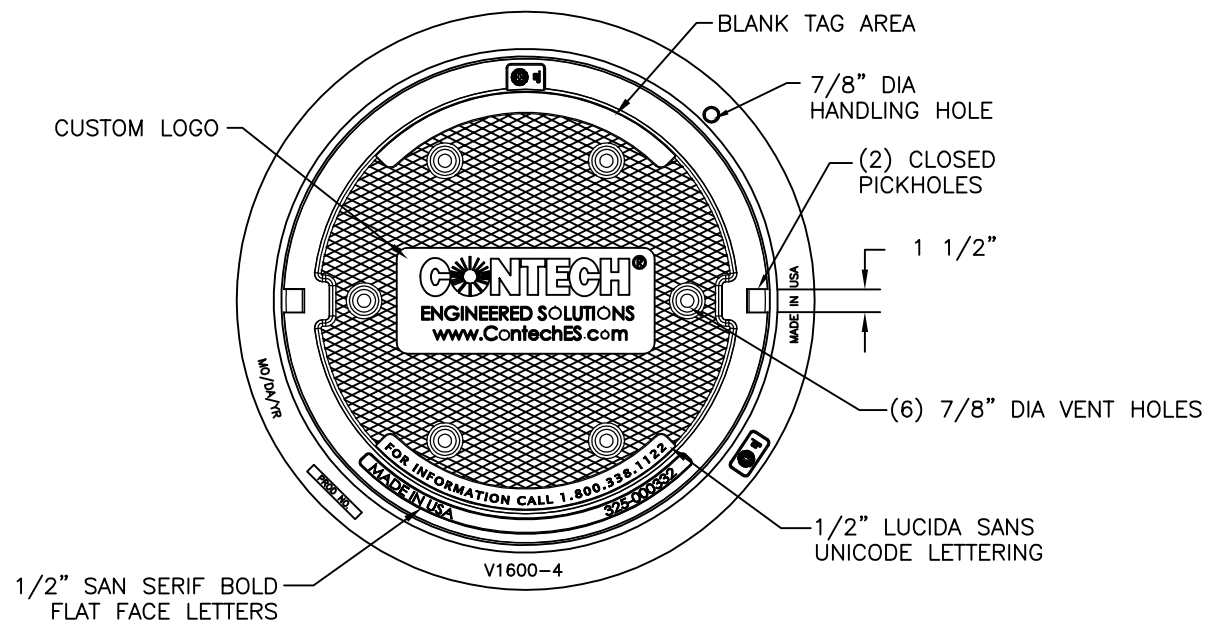
ICAST
5888 / 757440
LAYOUT 1A
13.04TS

CONTECH
FABRICATION
DRAWING

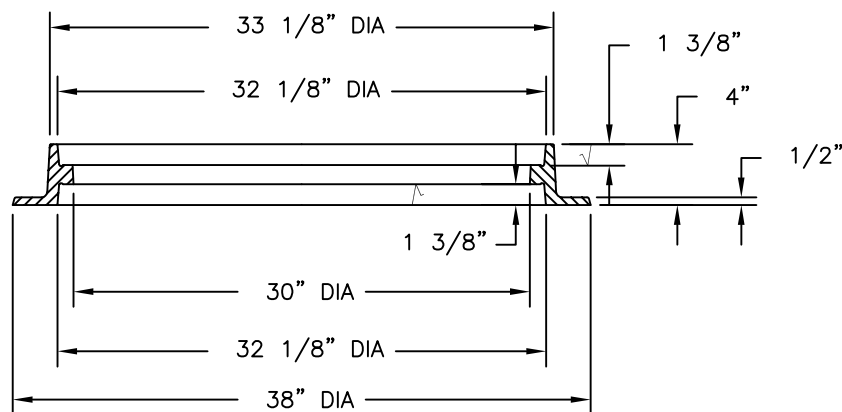
CS-6 - 904618-10
JEFFERSONVILLE HS PARKING
IMPROVEMENTS
JEFFERSONVILLE, IN
SITE DESIGNATION: 480

CONTECH
ENGINEERED SOLUTIONS LLC
A CONTECH COMPANY
910 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-445-7000 513-945-7893 FAX
CASCADE
separator®
FOR PATENT INFORMATION, GO TO www.conteches.com/PP

DATE:	6/9/2026
DESIGNED:	MDB
CHECKED:	PNK
PROJECT No.:	904618
SHEET:	1
DRAWN:	MDB
APPROVED:	MDB
SEQUENCE No.:	10
OF	1

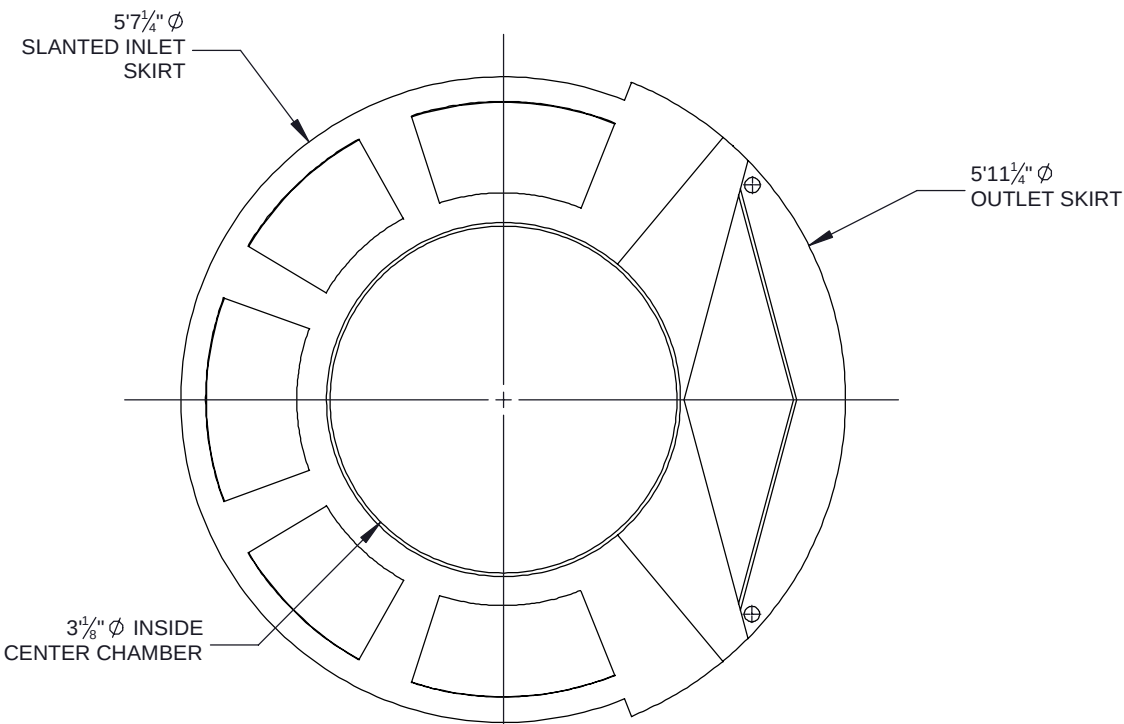


COVER SECTION

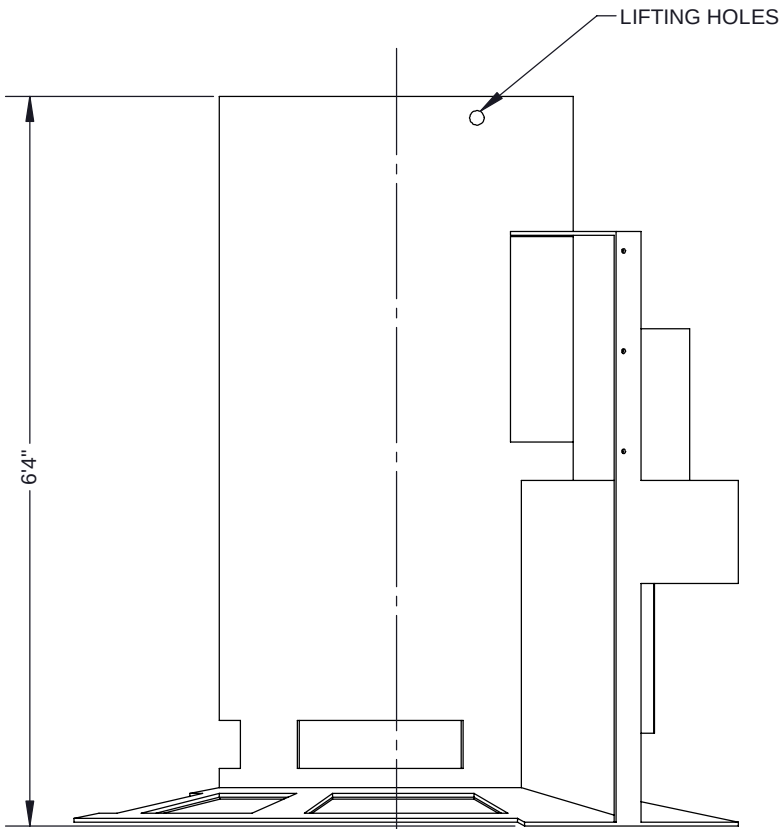


FRAME SECTION

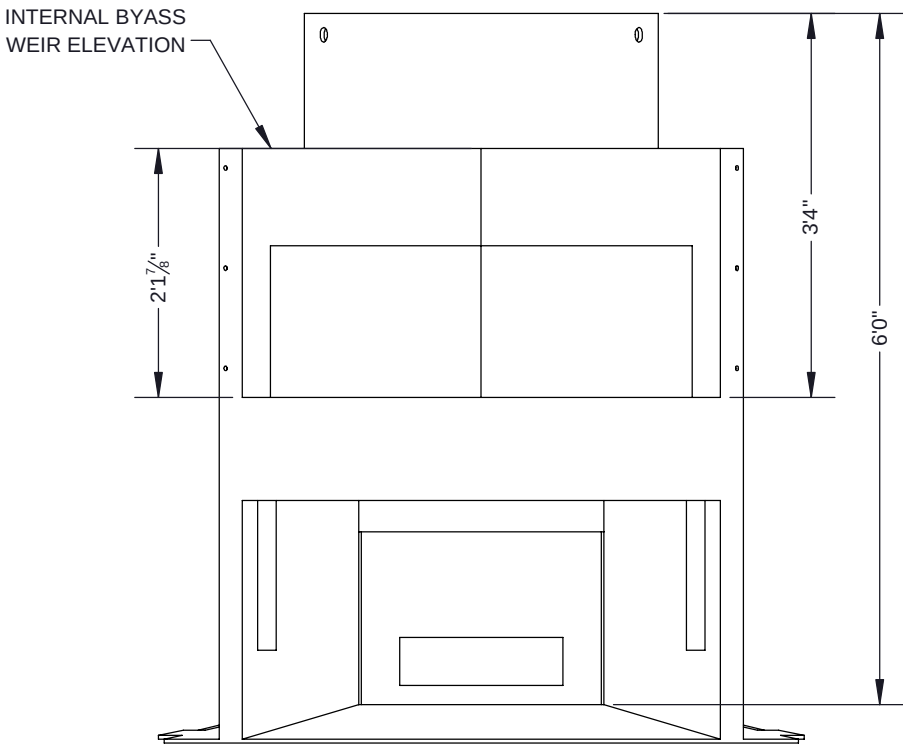
800 626 4653
ejco.com



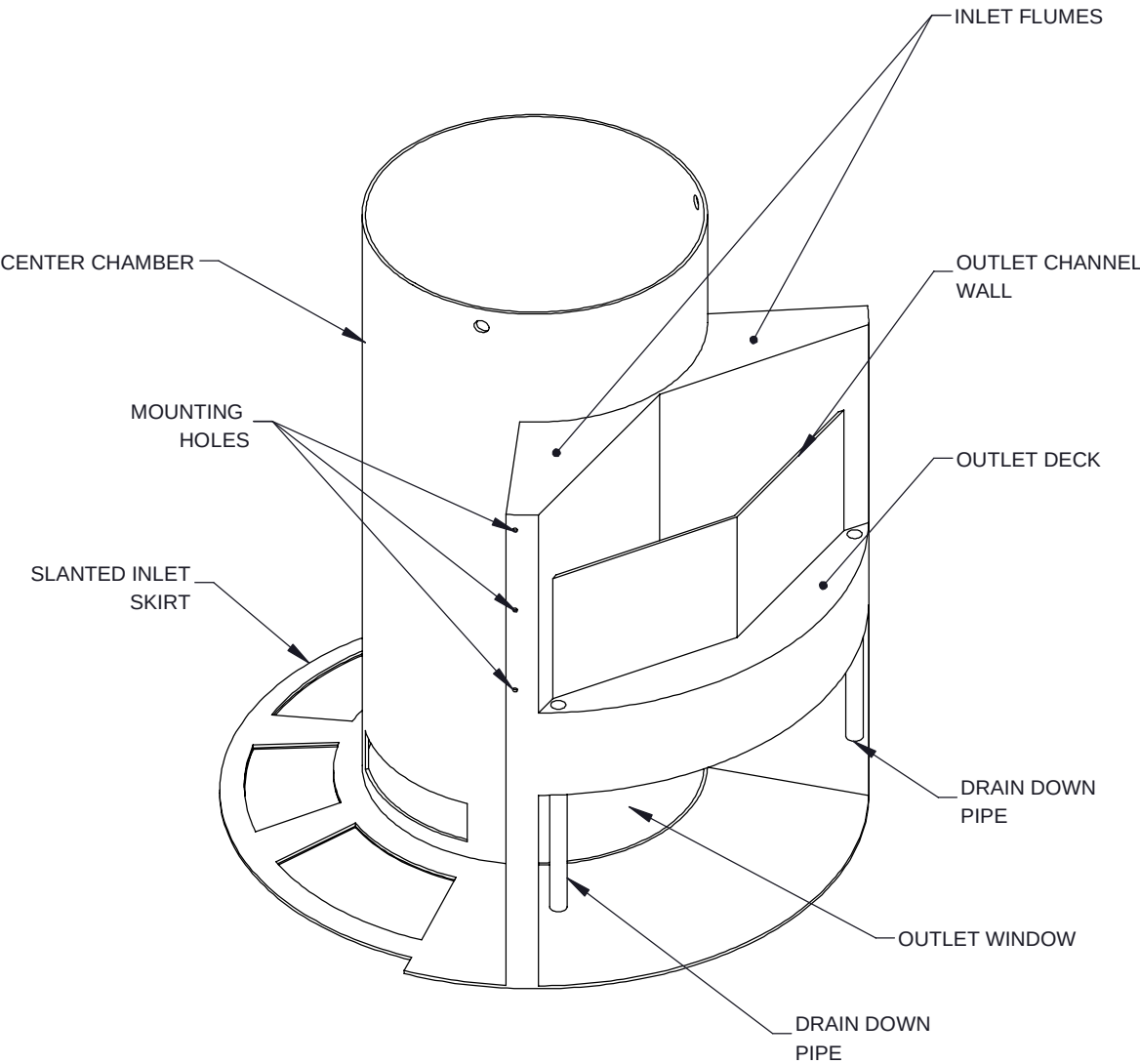
PLAN VIEW



ELEVATION VIEW



ELEVATION VIEW: OUTLET SIDE



ISOMETRIC VIEW

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

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC, or one of its affiliated companies ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.

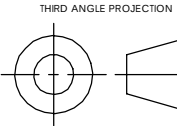
If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

CASCADE
separator™

CONTECH
ENGINEERED SOLUTIONS LLC
www.ContechES.com

9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

REFERENCE DETAIL
INTERNALS CS-6
CASCADE SEPARATOR



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	

Job Name: 25-2284C Parks at Cane Ridge Ph.2B Job Location: Antioch, TN Contractor: Josh King Excavating					Plant: Beaver Dam 6/22/2026 8:23:35 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: D1											
P1		BX036096-06W-RSVF			BOX RISER 6inW, Variable Ht F/F						
P1) 36" x 96" - BOX RISER 6inW, Variable Ht F/F - 30" 1) 36" x 96" - Conseal CS-102 1.00"						4350 lb 0 lb ----- Structure Total: 4350 lb		Structure Notes: . 1. PER ASTM C913/TDOT D-CB-14P SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. . 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: 2.5'		Rim to Invert: 0'		Slack: 0"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) (P1) << 36" + 96" + 0°-											
INSIDE WALL DIMENSIONS (P1) Front Right (96") Back (36") Left EXT 30"											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 30" Height (Ext): 30"		Weight (Net): 4350 lb Volume (Net): 1.11cu.yd	

Job Name: 26-2080 - The Cumberland

Job Location: Bowling Green, KY

Contractor: J & J Concrete & Excavating, LLC

Plant: 100

6/22/2026 6:23:28 PM

Tech: Jared - A

PC: E. Bradley



Structure ID: C8 ST-CI

P1 BX2436-08BVF

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

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

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 26"

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

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

1) Hole - 16

0 lb

3914 lb

442 lb

0 lb

0 lb

Structure Total: 4356 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

4. HOE 525 FRAME, FLAT GRATE, & CURB HOOD SUPPLIED BY ICAST

Rim: 533.65'

Rim to Invert: 2.79'

Slack: 1.48"

Sump: 0"

Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	530.86'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	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: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 26"

Height (Ext): 34"

Weight (Net): 3914 lb

Volume (Net): 1cu.yd



Weight (Net): 3907 lb
Volume (Net): 1cu.yd

Job Name: 26-1333 - Mitchell Hill Road Project

Job Location: Louisville, KY 40118

Contractor: Hall Contracting of Kentucky Inc

Plant: 100

6/16/2026 1:23:33 PM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: WALL P18-P19

P2 CUSTOM WALL

WALL PANEL 6" THICK F/F

P3) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG

P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

1) Hole - 2

932 lb

1398 lb

1398 lb

0 lb

Structure Total: 3727 lb

Structure Notes: .

1. PER ASTM C913 SPECIFICATIONS.

2. CONCRETER = 4,000 PSI AT 28" DAYS.

3. SMOOTH FORM FINISH ON THE FRONT SURFACE.

4. 3/4" CHAMFER ON ALL LONG EDGES.

REINFORCING PER ASTM A615 (GRADE 60).

-VERTICAL BARS = #4 BARS AT 12" C/C

-HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)

Rim: 693'

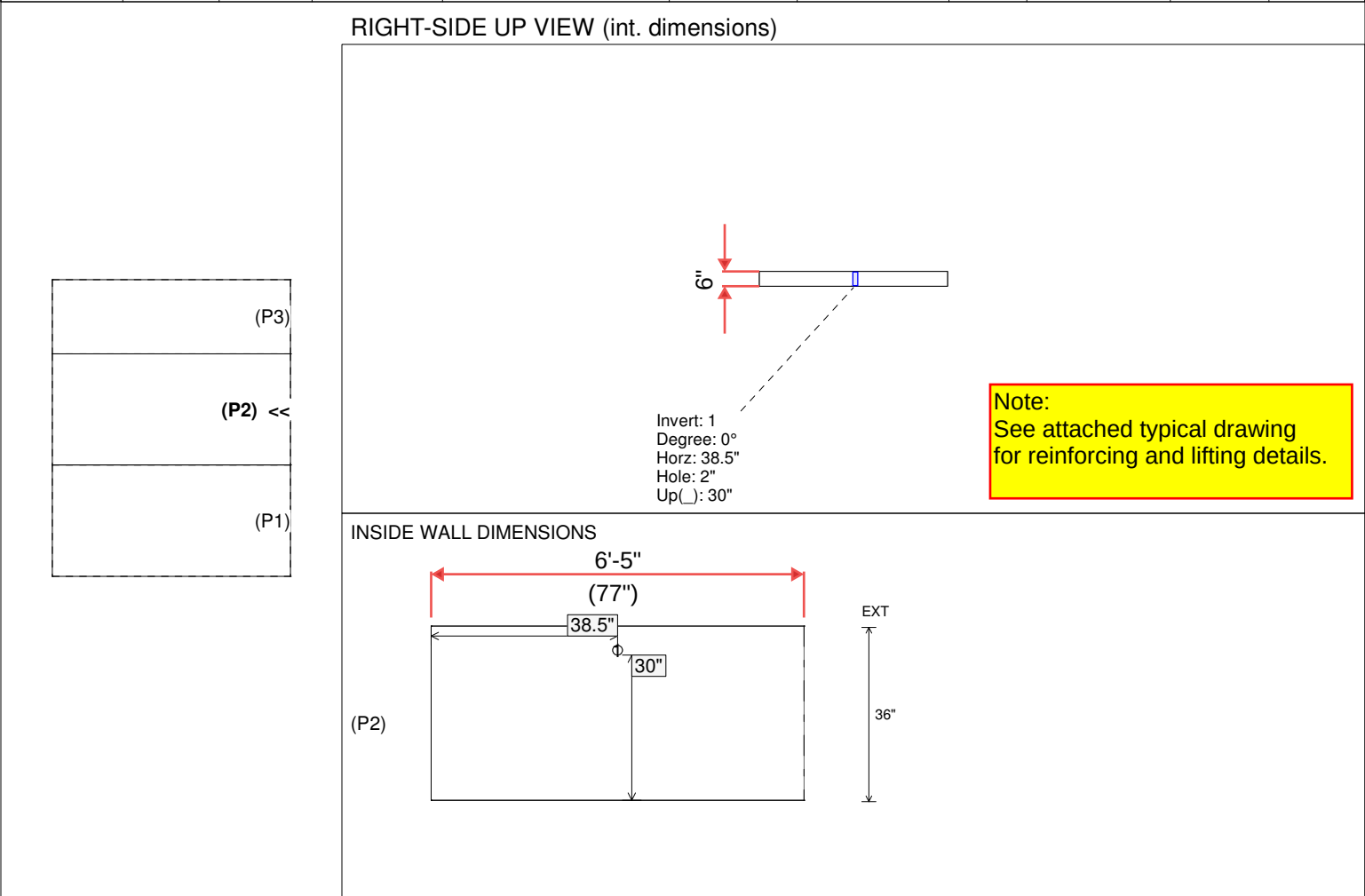
Rim to Invert: 2.5'

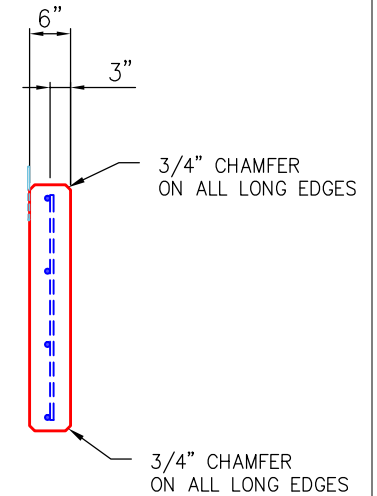
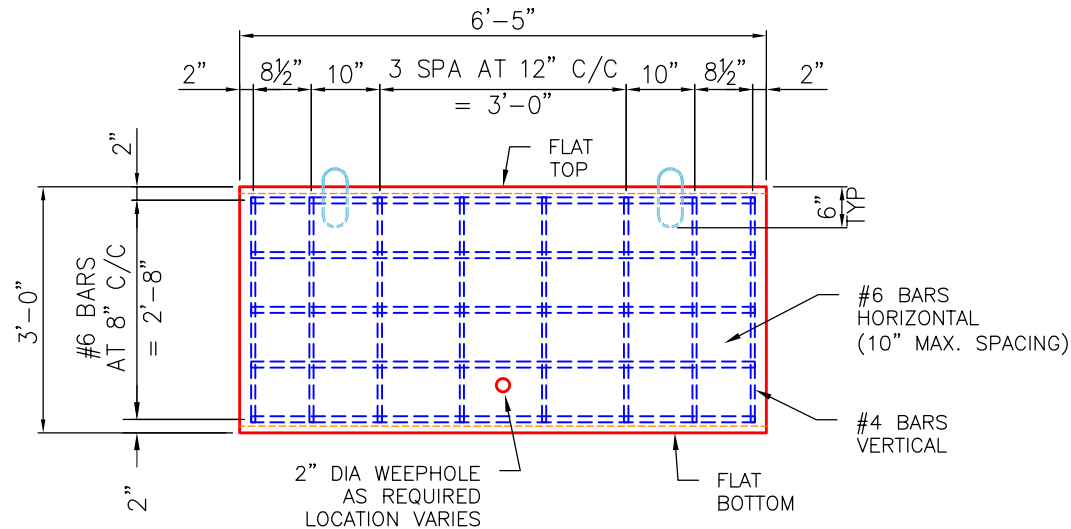
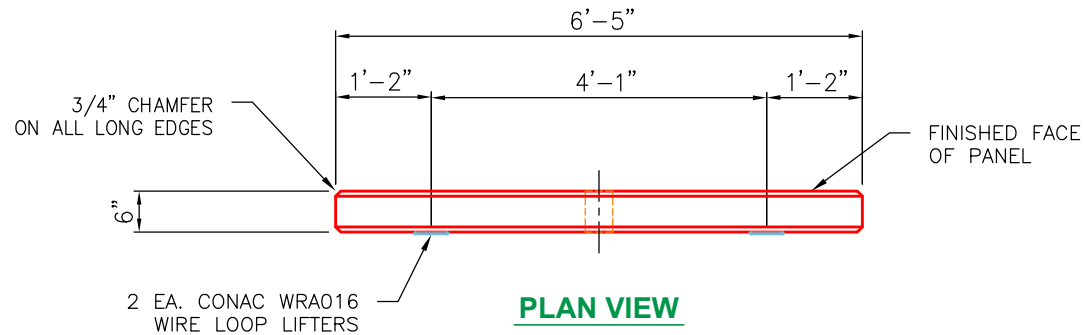
Slack: 0"

Sump: 66"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	690.5'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	30"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										





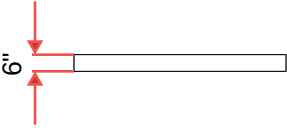
GENERAL NOTES:

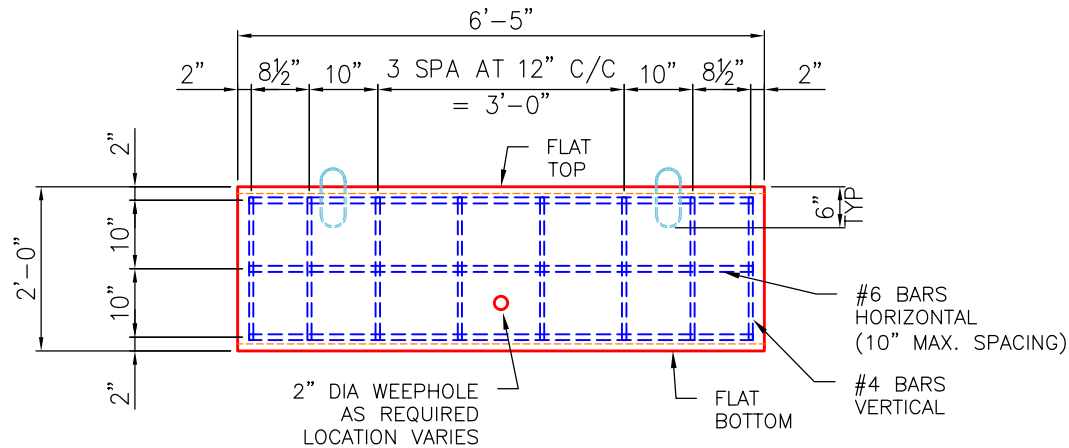
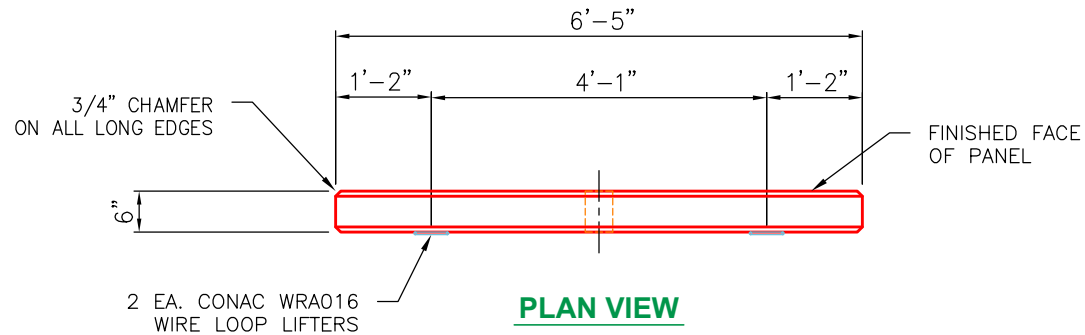
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

SIDE VIEW

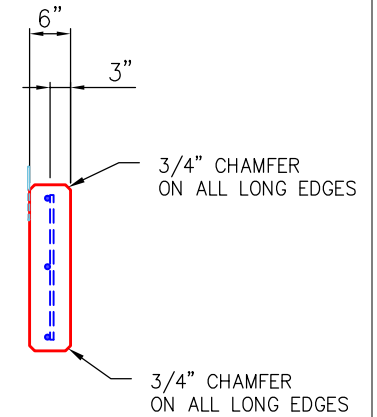
END VIEW

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

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:33 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P18-P19											
P3 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P3) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2						932 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 3727 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 693' Rim to Invert: 2.5' Slack: 0" Sump: 66" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
(P3) << (P2) (P1) RIGHT-SIDE UP VIEW (int. dimensions)  Note: See attached typical drawing for reinforcing and lifting details. INSIDE WALL DIMENSIONS (P3) 6'-5" (77") 24"											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 24" Height (Ext): 24"		Weight (Net): 932 lb Volume (Net): 0.24cu.yd	



SIDE VIEW

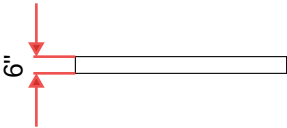


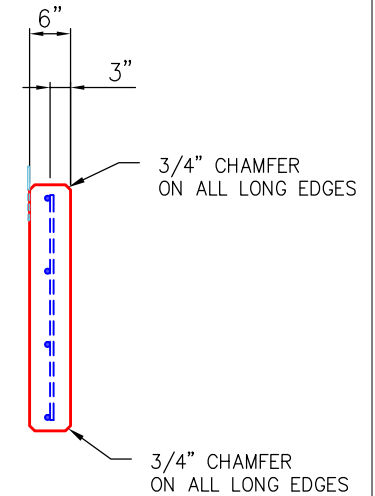
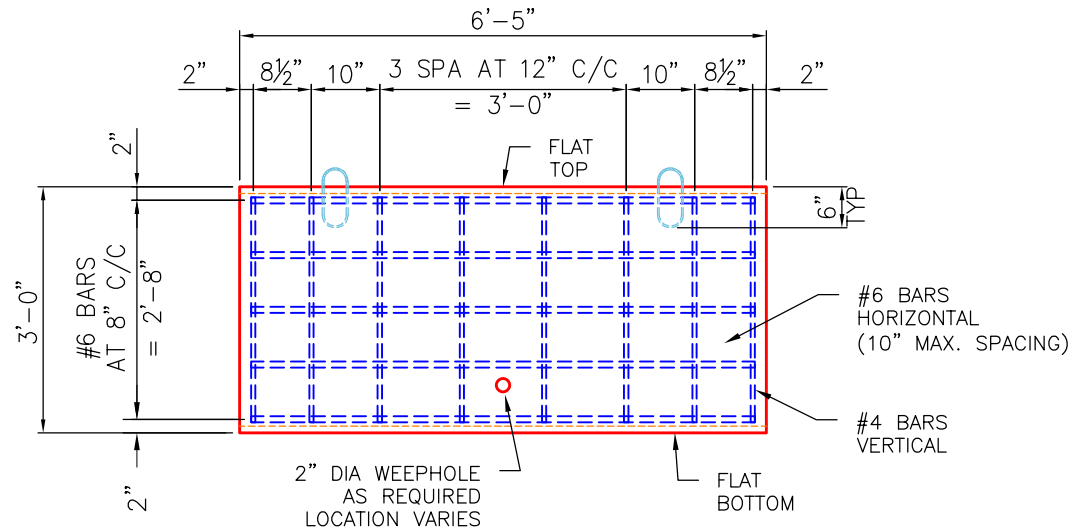
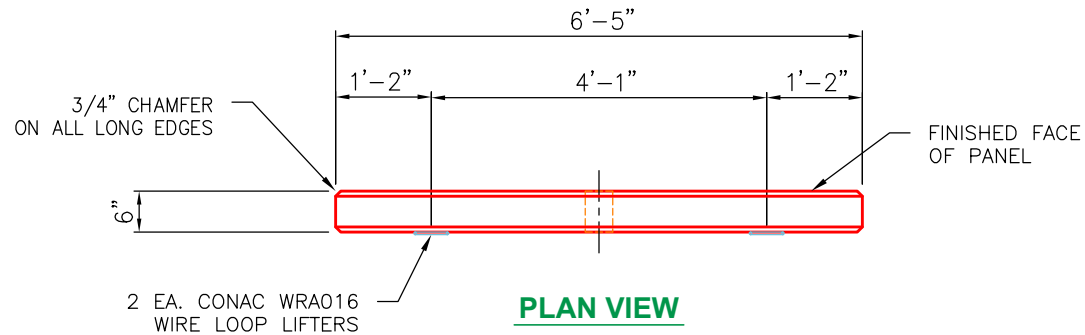
END VIEW

GENERAL NOTES:

1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 914 LBS
6. 21 REQUIRED.

REVISION INFORMATION				SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.	
REV. 	DATE:	NO REVISIONS TO DATE		CUSTOMER: HALL CONTRACTING OF KY INC.	
				PROJECT: MITCHELL HILL ROAD PROJECT	
				STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 24" HT)	
				SALES ORDER NO: 26-1333	
				CHECK: B. SMITH	DRAWN BY: J. HORSLEY
				DATE: 04/20/26	SCALE: NTS PG. 1 of 1

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:22:07 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P17-P18											
P1 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2					1398 lb 1398 lb 1398 lb ----- 0 lb Structure Total: 4193 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)				
Rim: 694' Rim to Invert: 3.5' Slack: 0" Sump: 66" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
(P3) (P2) (P1) << RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions) Note: See attached typical drawing for reinforcing and lifting details. INSIDE WALL DIMENSIONS (P1) 6'-5" (77") 36"											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd	



GENERAL NOTES:

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

SIDE VIEW

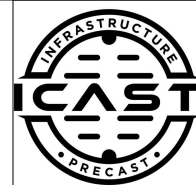
END VIEW

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

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

Plant: Beaver Dam
6/1/2026 8:22:58 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-24

P1 BX3232-08B48

BOX BASE 8inW, 8inF

- P2) 32" x 32" - CASTING HEIGHT - 7"
P1) 32" x 32" - BOX BASE 8inW, 8inF - 48"
1) CASTING - JBS-3123 MODIFIED SET
2) Hole - 32
1) Hole - 6

Structure Total: 6128 lb

Structure Notes:

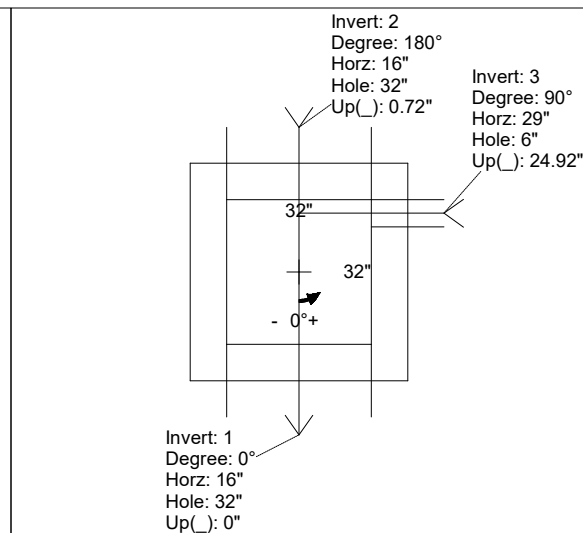
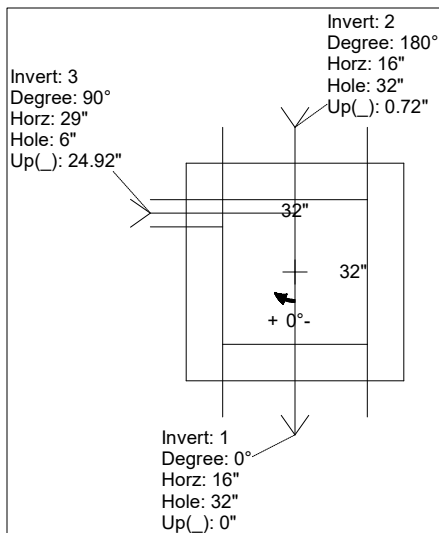
1. PER TDOT D-CB-12LP / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 3123 MOD SINGLE SET BY ICAST
4. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

Rim: 798.71' Rim to Invert: 4.36' Slack: 0.32' Sump: 3' Step Position:

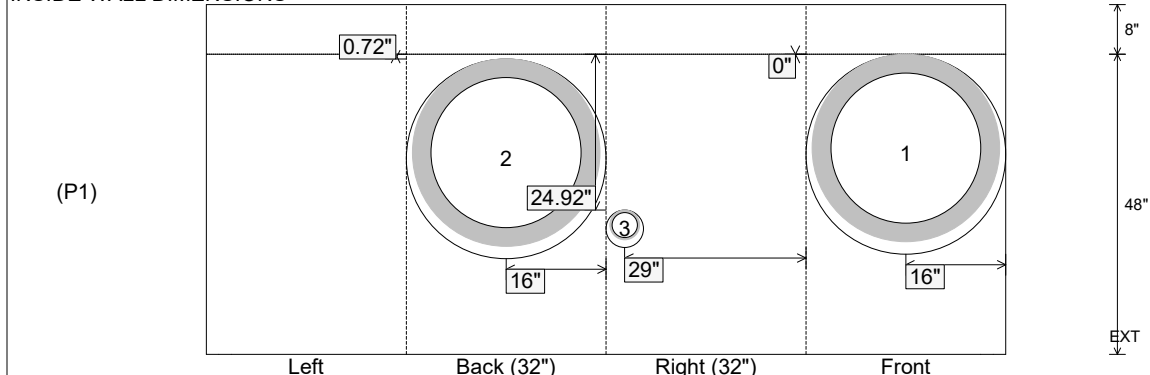
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	794.35'	0°	24"	24" RCP B WALL	30"	Hole 32	32"	32"	0"	0"
Invert 2	794.41'	180°	24"	24" RCP B WALL	30"	Hole 32	32"	32"	0.72"	0"
Invert 3	796.21'	90°	37"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	24.92"	13"
Invert 4										
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): 48"
Height (Ext): 56"

Weight (Net): 5878 lb
Volume (Net): 1.5cu.yd

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

Plant: Beaver Dam
6/1/2026 8:24:16 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-22

P2 BX048048-10LD08W-SP

BX FLAT LID 8"W - TDOT 12SB (28"x34" Hole)

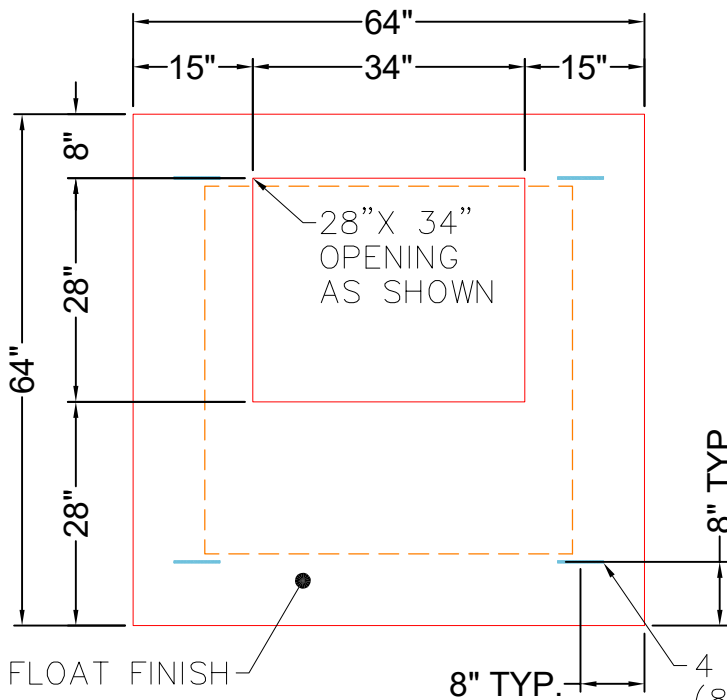
- P3) 28" x 34" - CASTING HEIGHT - 7"
P2) 48" x 48" - BX FLAT LID 8"W - TDOT 12SB (28"x34" Hole) - 10"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 46"
1) CASTING - JBS-3123 MODIFIED SET
1) 48" x 48" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
2) Hole - 39
1) Hole - 6

0 lb
2638 lb
8115 lb
250 lb
0 lb
0 lb
0 lb
0 lb

11003 lb

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

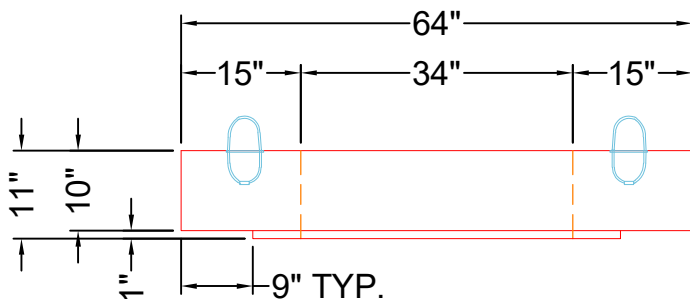
Structure Total:



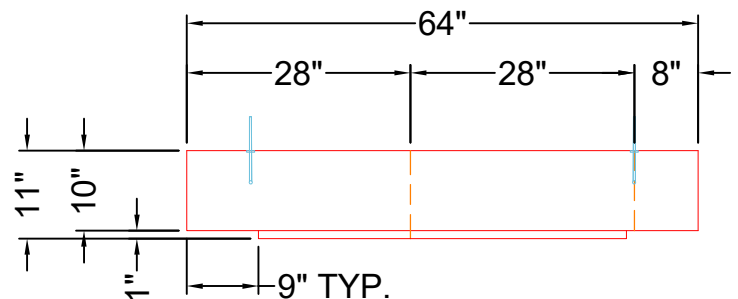
TOP VIEW

GENERAL NOTES:

1. MANUFACTURED TO TDOT D-CB-12SB
ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: PER TDOT DRAWING D-CB-12SB
(GRADE 60).
4. WEIGHT: 2,683 LBS
5. JOINT SEALANT TO BE CONSEAL CS-102, 1".



FRONT VIEW



RIGHT VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 10"

Weight (Net): 2638 lb
Volume (Net): 0.67cu.yd

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

Plant: Beaver Dam
6/1/2026 8:22:46 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-12

P1 BX3232-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 32" x 32" - CASTING HEIGHT - 7"
P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 44"
1) CASTING - JBS-3123 MODIFIED SET
1) 32" x 32" - Conseal CS-102 1.00"
2) Hole - 26
1) Hole - 6

Structure Notes:
1. PER TDOT D-CB-12LP / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. JBS 3123 MOD SINGLE SET BY ICAST
5. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

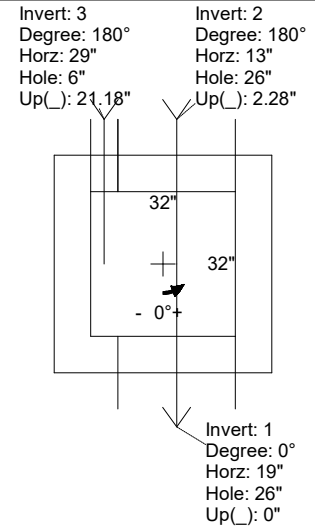
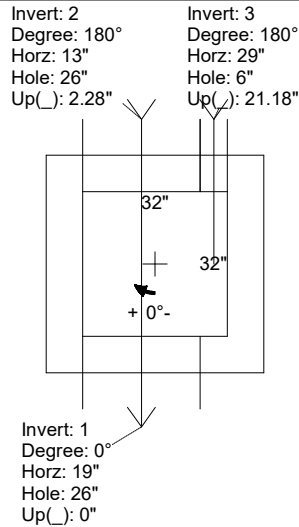
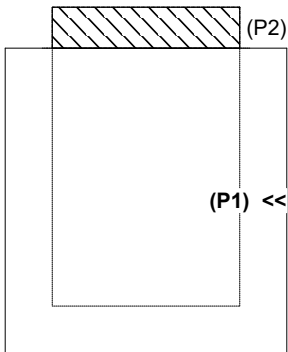
Structure Total: 6015 lb

Rim: 806.98' Rim to Invert: 4.09' Slack: 0.58" Sump: 2.5" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	802.89'	0°	27"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	3"
Invert 2	803.08'	180°	21"	18" RCP B WALL	23"	Hole 26	26"	26"	2.28"	-3"
Invert 3	804.48'	180°	37"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	21.18"	13"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

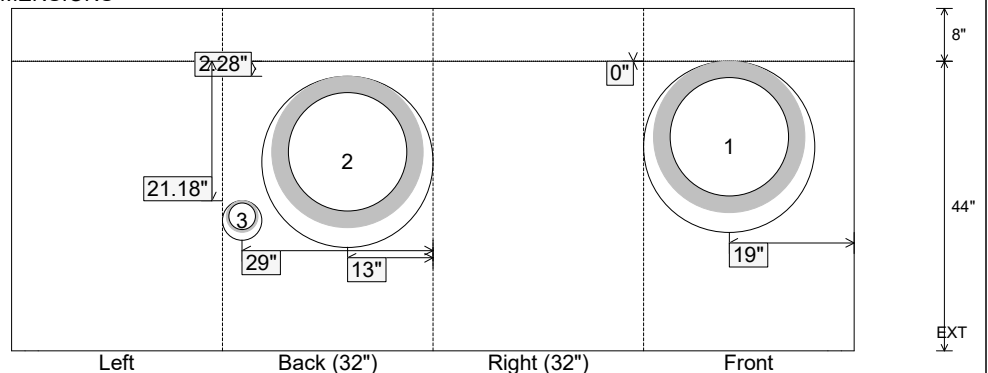
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 44"
Height (Ext): 52"

Weight (Net): 5765 lb
Volume (Net): 1.47cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)
Job Location: Indiana, KY
Contractor: Louisville Paving and Construction

Plant: 100

6/12/2026 3:12:18 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 28

P2 BX036036-08LD08S

CB FLAT TOP 8"W SPEC. (KY-328 CAST IN) F/F

- P3) 36" x 36" - CASTING (cast in) - 3"
P2) 36" x 36" - CB FLAT TOP 8"W SPEC. (KY-328 CAST IN) F/F - 8"
P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 34"
1) This Structure Includes a Cast-in Item - HOE KY-328 Frame (Supplied By Others)
2) 36" x 36" - Conseal CS-102 1.00"
1) Hole - 24
1) Hole - 20

Structure Total:

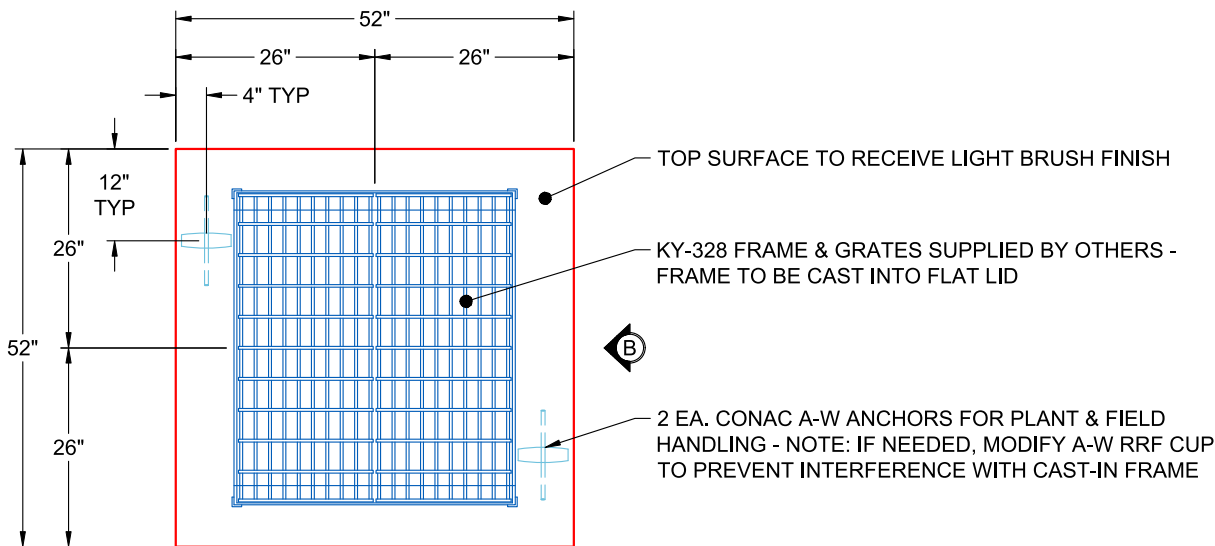
0 lb
996 lb
5318 lb
0 lb
0 lb
0 lb
0 lb

6314 lb

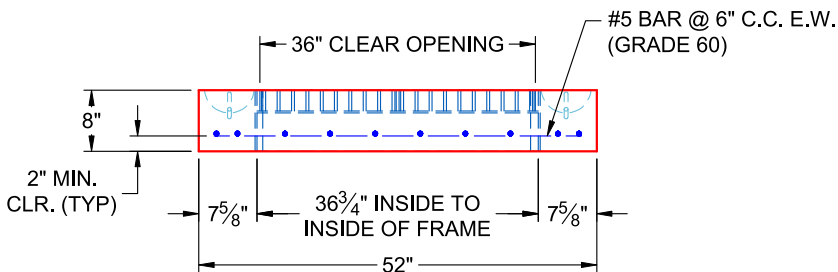
Structure Notes:

**** KYTC STATE PROJECT ****

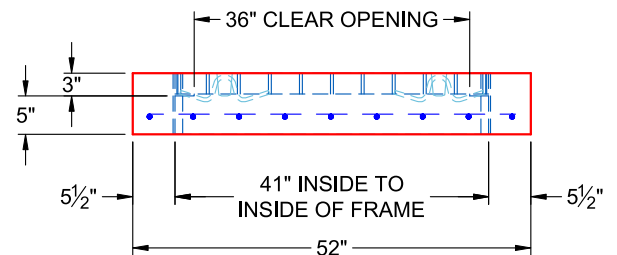
1. PER KYTC DBI TYPE 3 / ASTM C-913 SPECS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE KY-328 FRAME & GRATES SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID
5. LIFTERS: 2 EA. CONAC A-W ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
- IF NEEDED, MODIFY A-W RRF CUP TO PREVENT INTERFERENCE WITH CAST-IN FRAME
6. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH



**PLAN VIEW
(RIGHT SIDE UP)**



**VIEW A
(RIGHT SIDE UP)**



**VIEW B
(RIGHT SIDE UP)**

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 996 lb
Volume (Net): 0.25cu.yd

Job Number:

25-2952

Job Name:

KYTC Jefferson Co Call 106
(251315)

Structure:

28

Note:

HOE KY-328 Frame Supplied By
Others To Be Cast Into Flat Lid

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)		Plant: 100	Tech: J. Horsley - A	
Job Location: Indiana, KY		6/12/2026 3:12:18 PM	PC: J. Jarvis	
Contractor: Louisville Paving and Construction				

Structure ID: 27

P2 BX024024-08LD08-14CB FLAT TOP 8"W (HOE KY-210) F/F

P3) 19.5" - CASTING (cast in) - 2.75"

P2) 24" x 24" - CB FLAT TOP 8"W (HOE KY-210) F/F - 8"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 31"

1) This Structure Includes a Cast-in Item - HOE KY-210 Frame (Supplied By Others)

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

2) Hole - 20

0 lb

943 lb

3316 lb

0 lb

0 lb

0 lb

Structure Total: 4259 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI TYPE 14 / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. HOE KY-210 FRAME & GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID

5. LIFTERS: 2 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN

6. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH

40"

20"

20"

6" TYP

6"

TYP

40"

20"

20"

TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH

HOE KY-210 FRAME & GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID

2 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING

PLAN VIEW
(RIGHT SIDE UP)

8"

2" MIN. CLR. (TYP)

10¼"

Ø19½"

10¼"

40"

#5 BAR @ 6" C.C. E.W. (GRADE 60)

FRONT VIEW
(RIGHT SIDE UP)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 943 lb Volume (Net): 0.24cu.yd
----------------------------------	--------------------------------	--------------------	------------------	---

Job Number:

25-2952

Job Name:

KYTC Jefferson Co Call 106
(251315)

Structure:

27

Note:

HOE KY-210 Frame Supplied By
Others To Be Cast Into Flat Lid

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

Plant: 100

6/4/2026 4:39:28 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: QL70-4 POND4

P2 BXLD4848FL-24SQ

BX FLAT LID 8inW w/CC 24"x24" HOLE F/F

P3) 24" x 24" - CASTING HEIGHT - 4"
P2) 48" x 48" - BX FLAT LID 8inW w/CC 24"x24" HOLE F/F - 8"
P1) 48" x 48" - BOX BASE 8inW, 8inF F/n - 36"
1) CASTING - HOE-326-BH F/G
1) 48" x 48" - Conseal CS-102 1.00"
1) 24" x 24" - Conseal CS-102 1.00"
1) Hole - 0

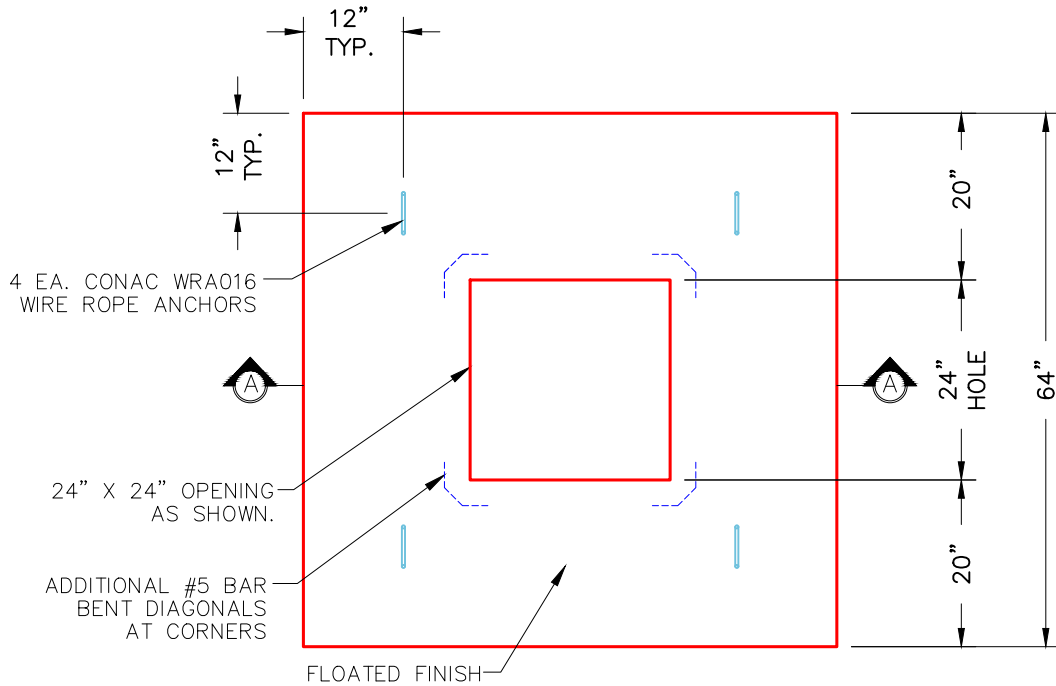
Structure Total:

0 lb
2363 lb
8163 lb
289 lb
0 lb
0 lb
0 lb
10815 lb

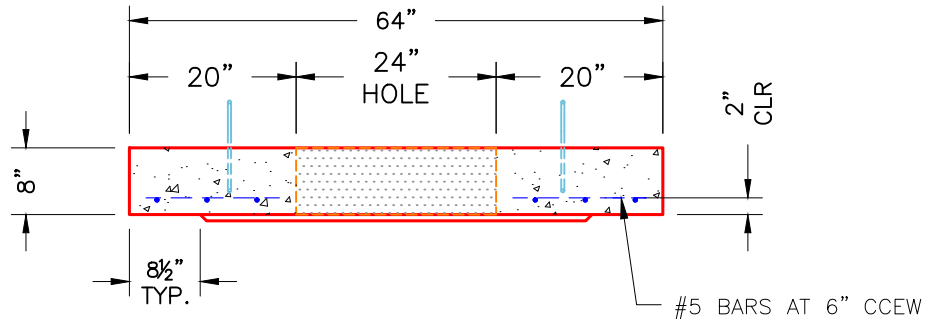
Structure Notes:

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-326-BH F/G OR EJ 6626).

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.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 2363 lb
Volume (Net): 0.6cu.yd

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

Plant: 100

6/4/2026 4:39:28 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: QL70-3 POND3

P2 BXLD4848FL-24SQ

BX FLAT LID 8inW w/CC 24"x24" HOLE F/F

P3) 24" x 24" - CASTING HEIGHT - 4"
P2) 48" x 48" - BX FLAT LID 8inW w/CC 24"x24" HOLE F/F - 8"
P1) 48" x 48" - BOX BASE 8inW, 8inF F/n - 36"
1) CASTING - HOE-326-BH F/G
1) 48" x 48" - Conseal CS-102 1.00"
1) 24" x 24" - Conseal CS-102 1.00"
1) Hole - 0

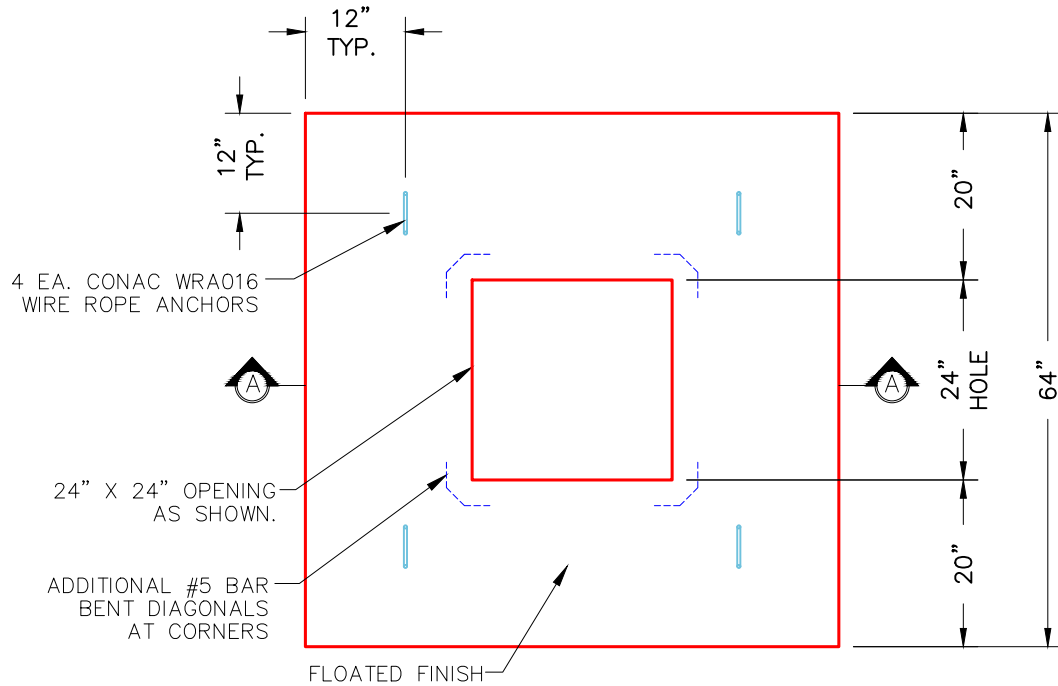
Structure Total:

0 lb
2363 lb
8163 lb
289 lb
0 lb
0 lb
0 lb
10815 lb

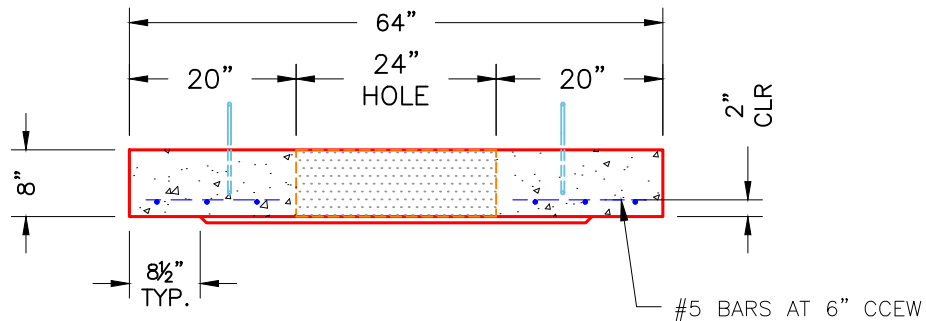
Structure Notes:

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-326-BH F/G OR EJ 6626).

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.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

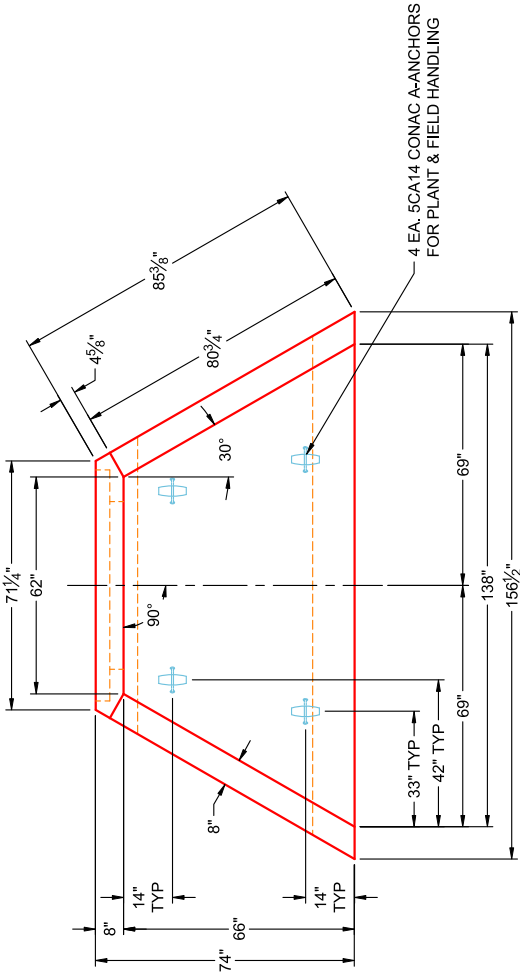
Weight (Net): 2363 lb
Volume (Net): 0.6cu.yd

Structure ID: St. 45+00 HW (2)

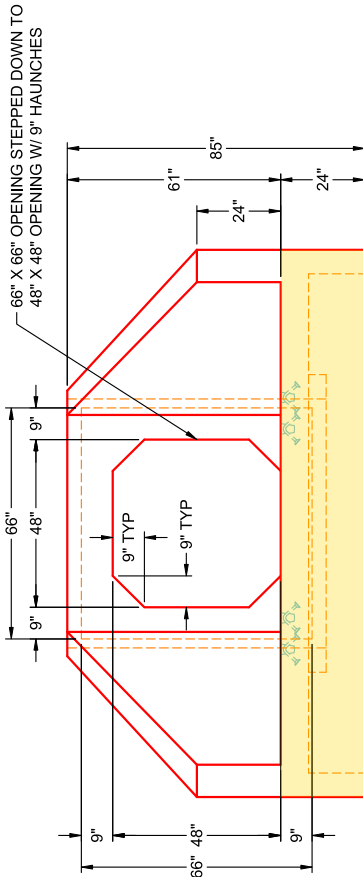
P1 HWCUSTOM

48" x 48" - BOX CULVERT HEADWALL F/F

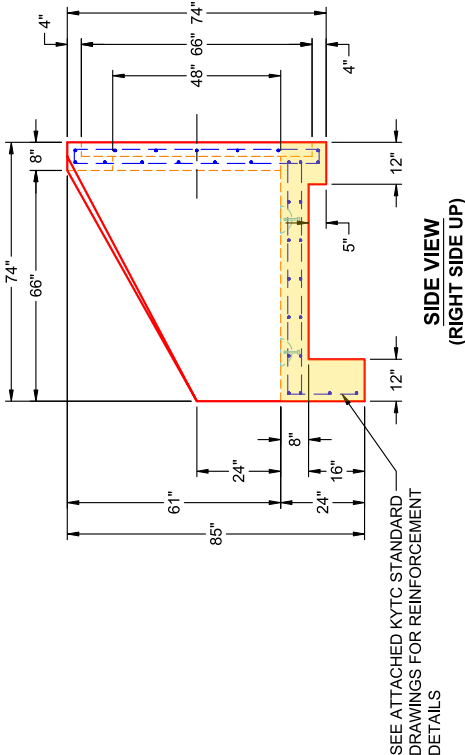
- GENERAL NOTES:**
- DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWINGS RDH-1000-02, RDH-1100-02, RDH-1200-02, & RDH-1300-03
 - REINFORCEMENT PER ATTACHED KYTC STANDARD DRAWINGS RDH-1000-02, RDH-1200-02, & RDH-1300-03 - 2" MIN. REBAR CLEARANCE (TYP)
 - CONCRETE: 5,000 PSI AT 28 DAYS
 - TOTAL WEIGHT: 13,810 LBS
- FIRST POUR: 8,262 LBS
- SECOND POUR: 5,548 LBS



PLAN VIEW
(RIGHT SIDE UP)

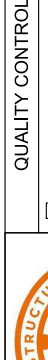


FRONT VIEW
(RIGHT SIDE UP)



SIDE VIEW
(RIGHT SIDE UP)

SEE ATTACHED KYTC STANDARD
DRAWINGS FOR REINFORCEMENT
DETAILS

PRODUCTION WORK ORDER			PRODUCT I.D.: HWCUSTOM	DESCRIPTION: 48" X 48" BOX CULVERT HEADWALL - 0° SKEW
	QUALITY CONTROL CHECKLIST		PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: JIM SMITH CONTRACTING
	☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.		PLANT: BEAVER DAM, KY	PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)
			WEIGHT: 13,810 LBS	STRUCTURE: ST. 45+00 HW (2)
			TOP SECTION JOINT: N / A	ORDER NO: 24-1643B
			BASE SECTION JOINT: N / A	PE: J.H. ROSS
			QC CHECK INITIALS:	DRAWING: K. CARDWELL
			DATE: 05/28/26	SCALE: NTS
				PG. 1 OF 1

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

Plant: 100
5/28/2026 1:31:47 PM

Tech: J. Horsley
PC: C. Goff



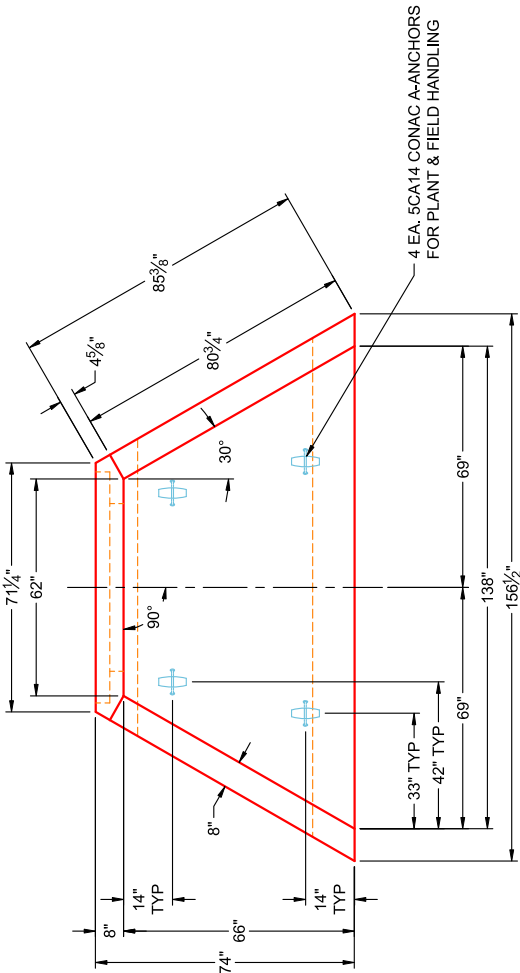
Structure ID: St. 45+00 HW (2)

P1 HWCUSTOM

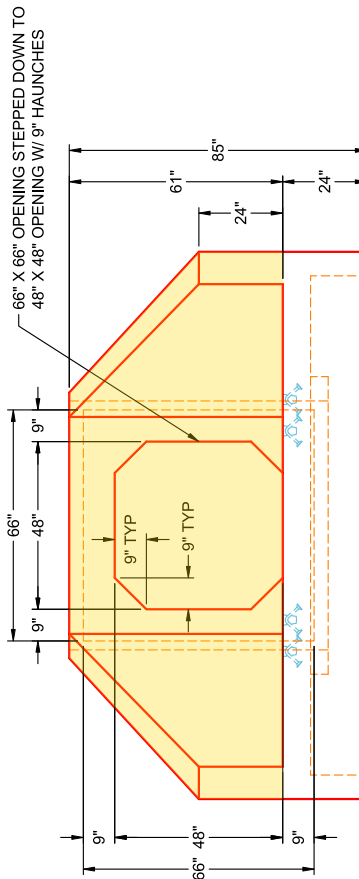
48" x 48" - BOX CULVERT HEADWALL F/F

GENERAL NOTES:

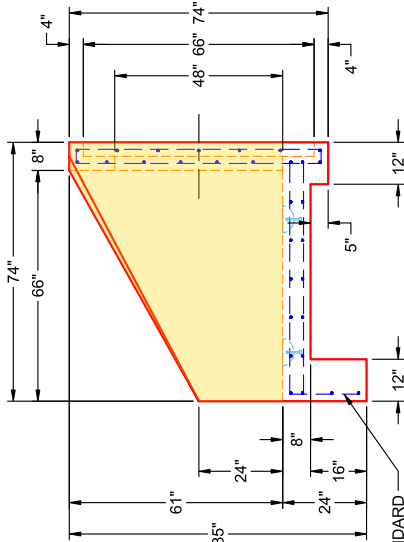
- DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWINGS RDH-1000-02, RDH-1100-02, RDH-1200-02, & RDH-1300-03
- REINFORCEMENT PER ATTACHED KYTC STANDARD DRAWINGS RDH-1000-02, RDH-1200-02, & RDH-1300-03 - 2" MIN. REBAR CLEARANCE (TYP)
- CONCRETE: 5,000 PSI AT 28 DAYS
- TOTAL WEIGHT: 13,810 LBS
- FIRST POUR: 8,262 LBS
- SECOND POUR: 5,548 LBS



PLAN VIEW
(RIGHT SIDE UP)



FRONT VIEW
(RIGHT SIDE UP)



SIDE VIEW
(RIGHT SIDE UP)

SEE ATTACHED KYTC STANDARD
DRAWINGS FOR REINFORCEMENT
DETAILS

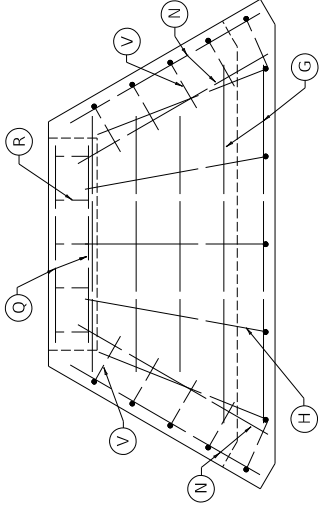
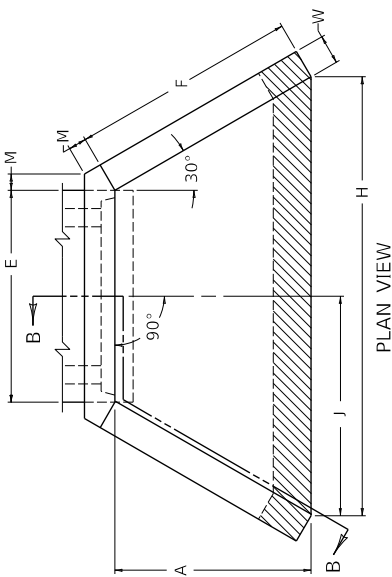
PRODUCTION WORK ORDER

	QUALITY CONTROL CHECKLIST
	☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.

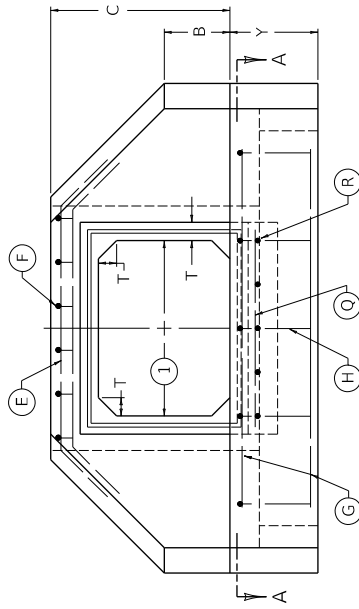
PRODUCT I.D.: HWCUSTOM	DESCRIPTION: 48" X 48" BOX CULVERT HEADWALL - 0° SKEW
PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: JIM SMITH CONTRACTING
PLANT: BEAVER DAM, KY	PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)
WEIGHT: 13,810 LBS	STRUCTURE: ST. 45+00 HW (2)
TOP SECTION JOINT: N / A	ORDER NO: 24-1643B
BASE SECTION JOINT: N / A	PE: J.H. ROSS
QC CHECK INITIALS:	DRAWING: K. CARDWELL
	DATE: 05/28/26
	SCALE: NTS
	PG. 1 OF 1

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

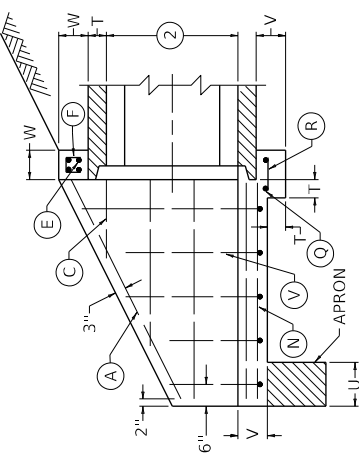
DRAWING SCALE:
1/2" = 1'



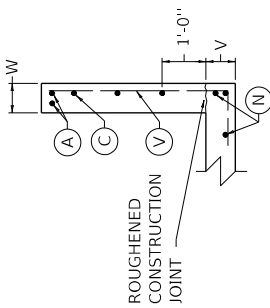
SECTION A-A



FRONT ELEVATION



SECTION B-B



WING SECTION

NOTES

1. SPAN OF BOX CULVERT
2. RISE OF BOX CULVERT
3. FOR DIMENSIONS, QUANTITIES, AND BILL OF REINFORCEMENT SEE CUR. STD. DWGS. RDH-1100, RDH-1200 AND RDH-1300 SERIES.
4. DIMENSIONS FROM FACE OF CONCRETE TO STEEL SHALL BE 2" CLEAR DISTANCE.
5. ENCLOSED LETTERS, O, INDICATE STEEL BAR LOCATIONS.
6. BARS (C), (G), AND (V) ARE SPACED 1'-0" O.C. ALL OTHER BARS SHALL BE EVENLY SPACED.
7. BARS (U) ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE END OF EACH WING.
8. BARS (C) ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE TOP OF EACH WING.
9. HEADWALLS LOCATED AT SHOULDER EDGE SHALL BE PARALLEL TO CENTERLINE OF ROAD.
10. [Hatched Area] LIMITS OF APRON.
11. PAVING SHALL BE REQUIRED AND SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF BOX. FRONT FACE OF HEADWALL AND ENDS OF WINGS SHALL REMAIN VERTICAL.

(LAYOUT AND STEEL PATTERN)	
KENTUCKY DEPARTMENT OF HIGHWAYS	
PRECAST BOX CULVERT HEADWALLS - 0° SKEW (BOX RISE LESS THAN 6'-0")	
STANDARD DRAWING NO. RDH-1000-02	
SUBMITTED _____	DIRECTOR, DIVISION OF DESIGN _____
APPROVED _____	STATE HIGHWAY ENGINEER _____
	DATE _____

DIMENSION	PRECAST BOX CULVERT												DIMENSION
	3'x2'	3'x3'	4'x2'	4'x3'	4'x4'	5'x3'	5'x4'	5'x5'	6'x3'	6'x4'	6'x5'	6'x6'	
A	3'-4"	4'-4"	3'-6"	4'-6"	5'-6"	4'-8"	5'-8"	6'-8"	4'-10"	5'-10"	6'-10"	8'-0"	A
B	1'-0"	1'-6"	1'-0"	1'-6"	2'-0"	1'-6"	2'-0"	2'-6"	1'-6"	2'-0"	2'-6"	3'-0"	B
C	3'-0"	4'-0"	3'-1"	4'-1"	5'-1"	4'-2"	5'-2"	6'-2"	4'-3"	5'-3"	6'-3"	7'-5"	C
E	3'-8"		4'-10"			6'-0"			7'-2"				E
F	3'-10"	5'-0"	4'-0"	5'-2"	6'-4"	5'-5"	6'-7"	7'-8"	5'-7"	6'-9"	7'-11"	9'-3"	F
H	7'-6"	8'-8"	8'-10"	10'-0"	11'-2"	11'-5"	12'-7"	13'-8"	12'-9"	13'-11"	15'-1"	16'-5"	H
J	3'-9"	4'-4"	4'-5"	5'-0"	5'-7"	5'-8"	6'-3"	6'-10"	6'-4"	6'-11"	7'-6"	8'-2"	J
M	0'-5"												M
T	0'-4"		0'-5"			0'-6"			0'-7"				T
U	1'-0"												U
V	0'-8"												V
W	0'-8"												W
X	----												X
Y	2'-0"												Y
Z	----												Z

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: _____ DATE: _____
APPROVED: _____ STATE HIGHWAY ENGINEER _____

