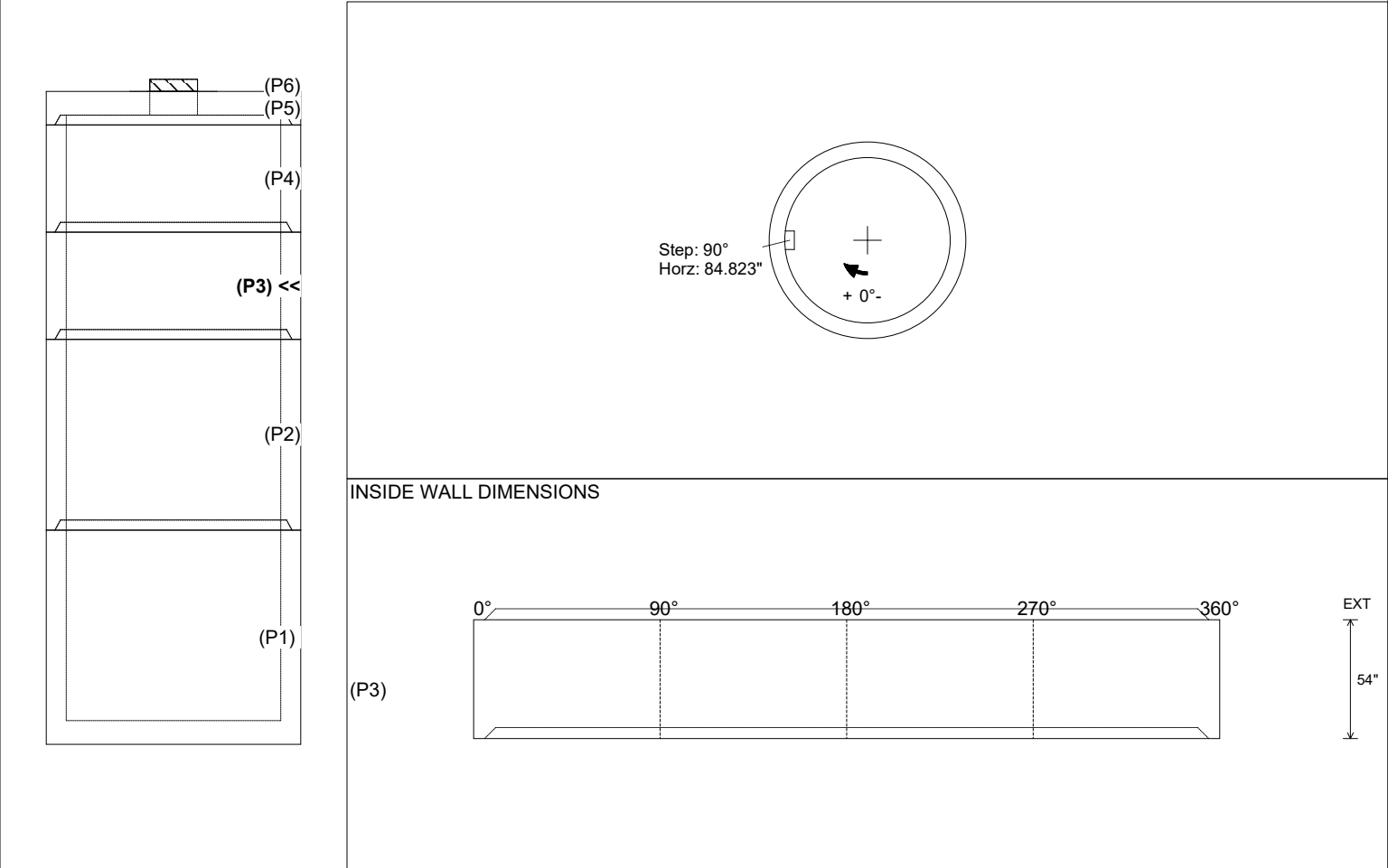


P6) 24" x 36" - CASTING HEIGHT - 6"	0 lb	Structure Notes: **INDOT STATE PROJECT** 1. INDOT MH TYPE M / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .30) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.
P5) 108" - MH FLAT TOP w/24" X 36" HOLE - 17"	12900 lb	
P4) 108" - MH RISER - 54"	16798 lb	
P3) 108" - MH RISER - 54"	16798 lb	
P2) 108" - MH RISER - 96"	29863 lb	
P1) 108" - MH BASE - 96"	36119 lb	
4) 108" - Conseal CS-102 1.00"	0 lb	
1) 24" x 36" - Conseal CS-102 1.00"	0 lb	
1) Hole - 75	0 lb	
1) Hole - 62	0 lb	
26) MH Step ML-10-TDS-NCR - 10"	0 lb	
Structure Total: 112477 lb		
Rim: 512.46' Rim to Invert: 26.45' Slack: 0.4" Sump: 6" Step Position: 90°		

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

RIGHT-SIDE UP VIEW (int. dimensions)



Coating (Int):	Seam Up: Tongue	Wall Thickness: 10"	Height (Int): 54"	Weight (Net): 16798 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 54"	Volume (Net): 4.29cu.yd

Job Name: 26-1987 Project Nova
Job Location: 200 South, IN 47882
Contractor: McCreary Concrete Products, Inc

Plant: 100
8/7/2026 9:24:04 AM

Tech: Jared - A
PC: Jay Ross Jarvis



Structure ID: STMH-1209

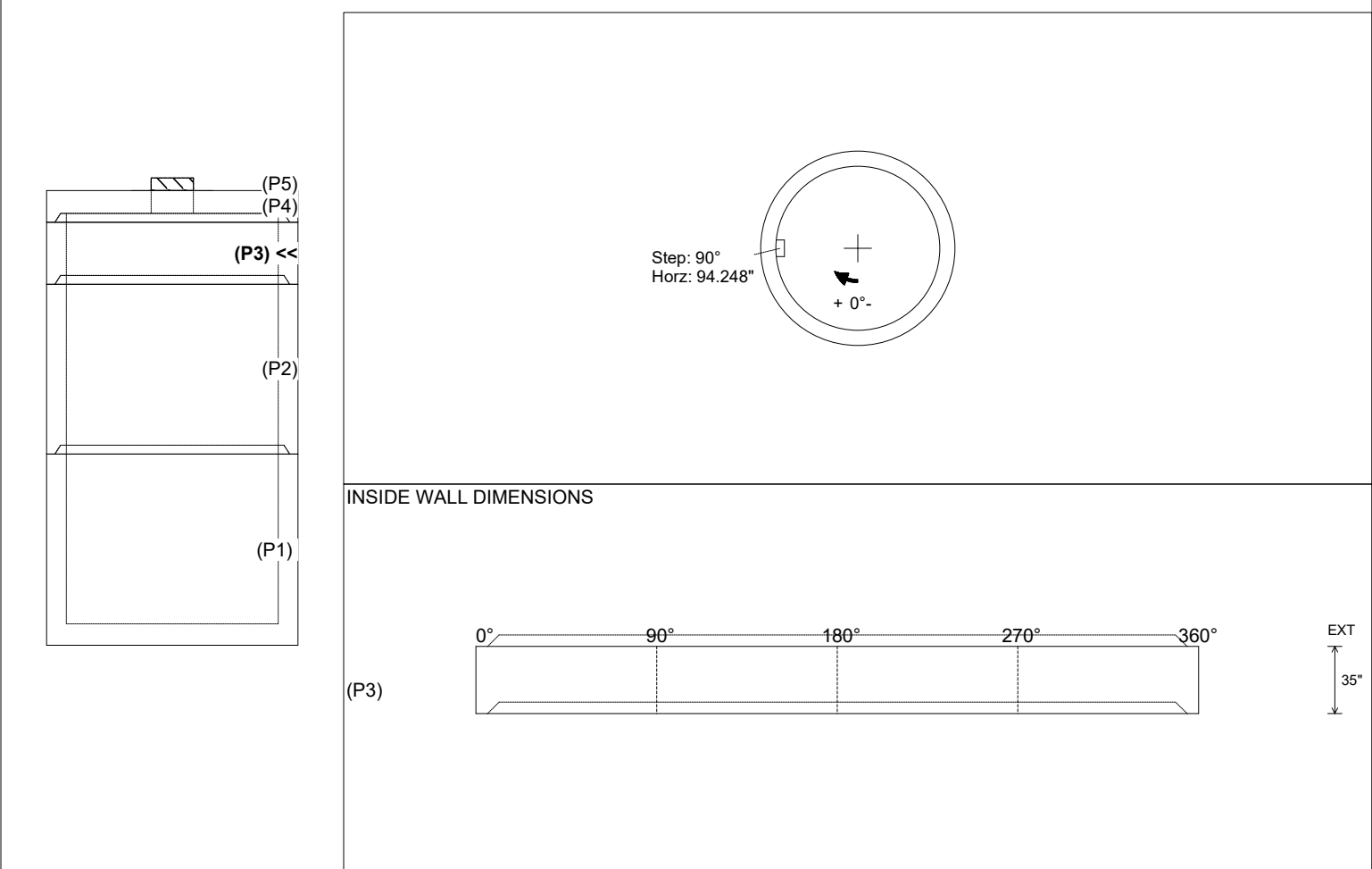
P3 MH120RSVF

MH RISER Custom Ht

P5) 24" x 24" - CASTING HEIGHT - 7"	0 lb	Structure Notes: **INDOT STATE PROJECT** 1. INDOT MH TYPE M / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .30) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.
P4) 120" - MH FLAT TOP w/24"x24" Hole - 18"	16553 lb	
P3) 120" - MH RISER Custom Ht - 35"	13296 lb	
P2) 120" - MH RISER - 96"	36468 lb	
P1) 120" - MH BASE - 96"	37205 lb	
3) 120" - Conseal CS-102 1.00"	0 lb	
1) 24" x 24" - Conseal CS-102 1.00"	0 lb	
1) Hole - 90	0 lb	
2) Hole - 75	0 lb	
18) MH Step ML-10-TDS-NCR - 10"	0 lb	
Structure Total: 103521 lb		
Rim: 506.24' Rim to Invert: 20.49' Slack: 0.88" Sump: 7" Step Position: 90°		

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

RIGHT-SIDE UP VIEW (int. dimensions)



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 11" Floor Height: 0"	Height (Int): 35" Height (Ext): 35"	Weight (Net): 13296 lb Volume (Net): 3.4cu.yd
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Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100

8/7/2026 10:21:18 AM

Tech: Jared - A

PC: Trevor Lewis



Structure ID: BB2 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE - 24"
P2) 48" - MH RISER - 48"
P1) 48" - MH BASE Custom Ht - 29"
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
2) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) A-Lok - 0285
8) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
 2. PER ASTM C478 SPECIFICATIONS.
 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

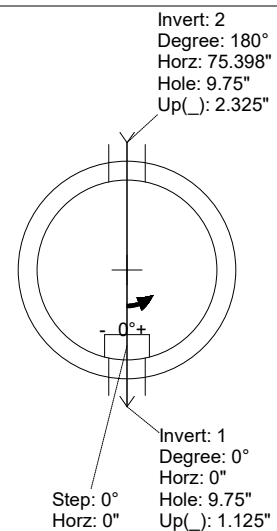
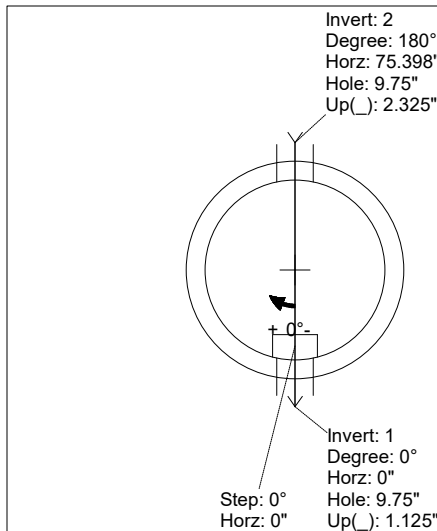
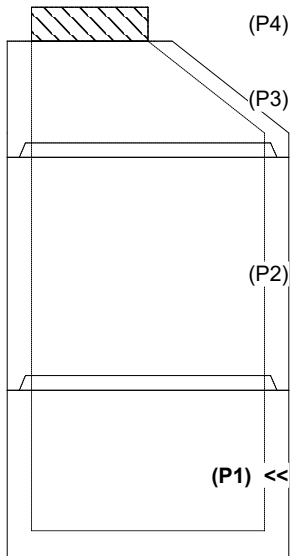
Structure Total: 9909 lb

Rim: 564.67' Rim to Invert: 8.88' Slack: 0.56" Sump: 2" Step Position: 0°

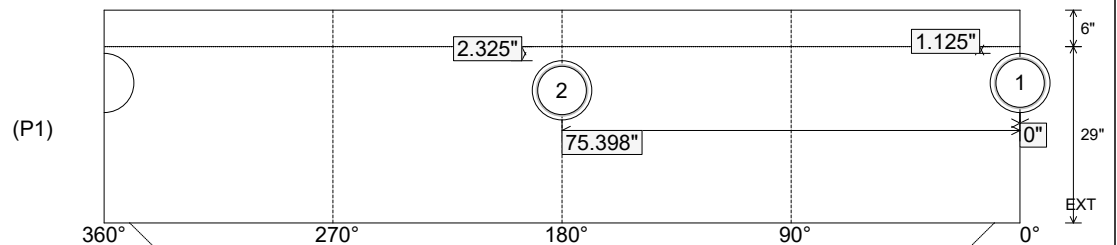
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	555.79'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	555.89'	180°	91.106"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 29"
Height (Ext): 35"

Weight (Net): 3293 lb
Volume (Net): 0.84cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100
8/7/2026 10:21:18 AM

Tech: Jared - A
PC: Trevor Lewis



Structure ID: BB2 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE - 24"
P2) 48" - MH RISER - 48"
P1) 48" - MH BASE Custom Ht - 29"
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
2) 48" - Conesal CS-102 1.00" (Double)
1) 24" - Conesal CS-102 1.00" (Double)
2) A-Lok - 0285
8) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
 2. PER ASTM C478 SPECIFICATIONS.
 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 4. REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Structure Total: 9909 lb

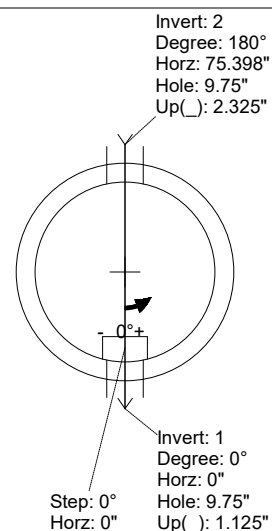
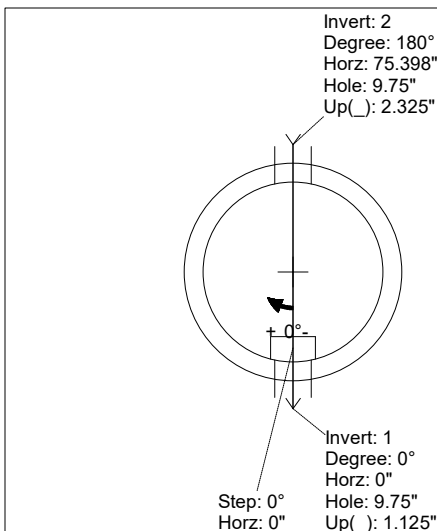
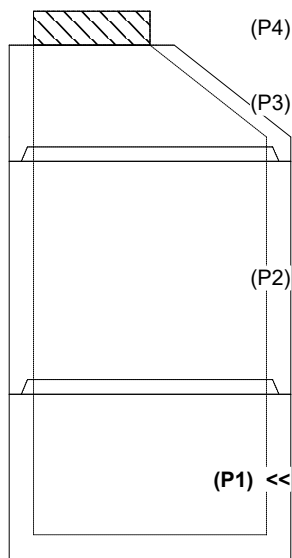
INVERT CHANNEL DRAWING FULL HEIGHT INVERT

Rim: 564.67' Rim to Invert: 8.88' Slack: 0.56" Sump: 2" Step Position: 0°

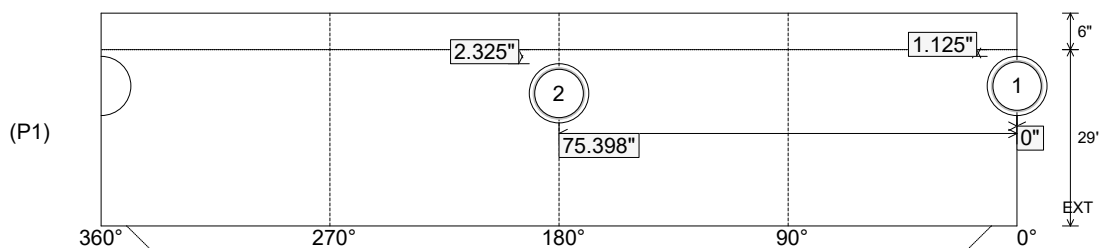
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	555.79'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	555.89'	180°	91.106"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 29"
Height (Ext): 35"

Weight (Net): 3293 lb
Volume (Net): 0.84cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100

8/7/2026 10:21:17 AM

Tech: Jared - A

PC: Trevor Lewis



Structure ID: BB1 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE - 30"
P2) 48" - MH RISER - 60"
P1) 48" - MH BASE Custom Ht - 25"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) CASTING - HOE MC-375 F/C Sanitary
2) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) A-Lok - 0285
1) A-Lok - 0200
9) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
 2. PER ASTM C478 SPECIFICATIONS.
 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

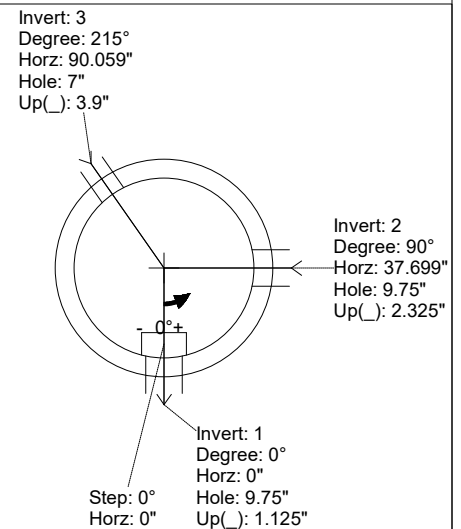
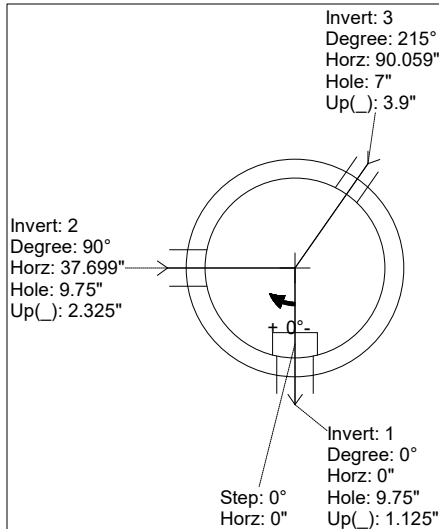
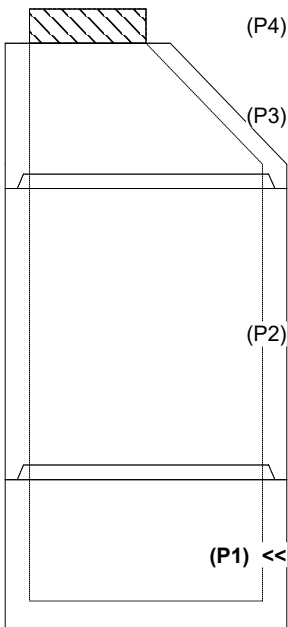
Structure Total: 10953 lb

Rim: 557' Rim to Invert: 10.04' Slack: 0.48' Sump: 2" Step Position: 0

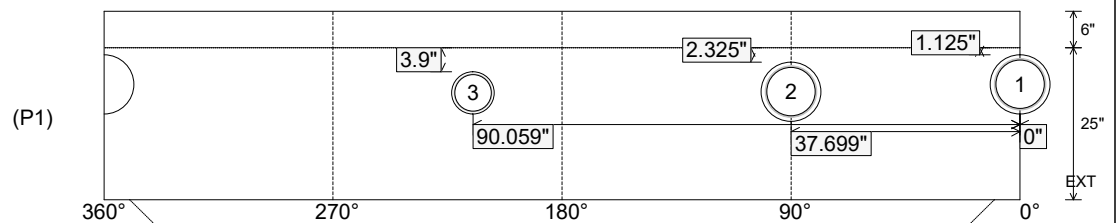
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	546.96'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	547.06'	90°	45.553"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3	547.16'	215°	108.821"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	3.9"	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): 25"
Height (Ext): 31"

Weight (Net): 2997 lb
Volume (Net): 0.77cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100

8/7/2026 10:21:17 AM

Tech: Jared - A

PC: Trevor Lewis



Structure ID: BB1 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE - 30"
P2) 48" - MH RISER - 60"
P1) 48" - MH BASE Custom Ht - 25"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) CASTING - HOE MC-375 F/C Sanitary
2) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) A-Lok - 0285
1) A-Lok - 0200
9) MH Step ML-10-TDS-NCR - 10"

- Structure Notes: .
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

INVERT CHANNEL DRAWING
FULL HEIGHT INVERT

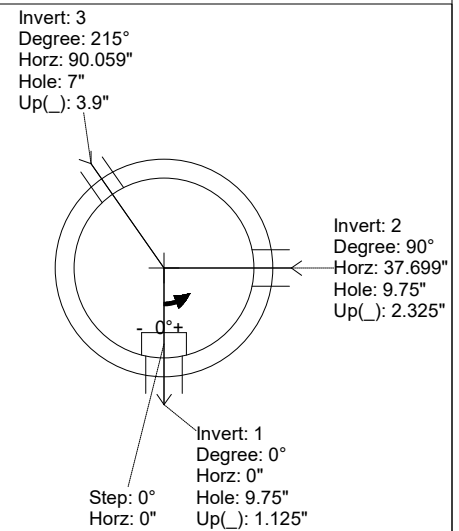
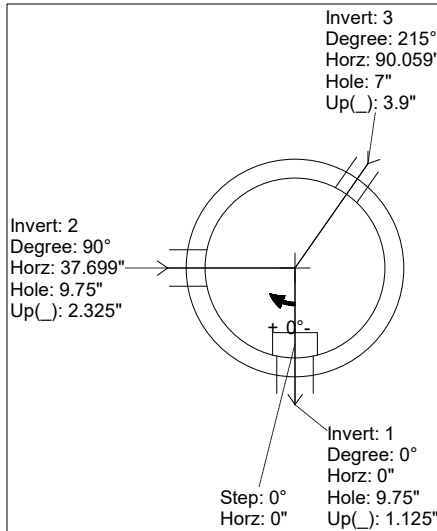
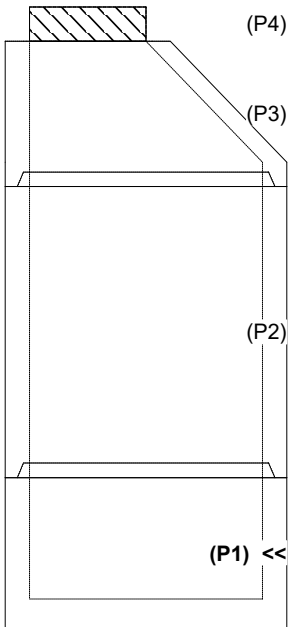
Structure Total: 10953 lb

Rim: 557' Rim to Invert: 10.04' Slack: 0.48" Sump: 2" Step Position: 0

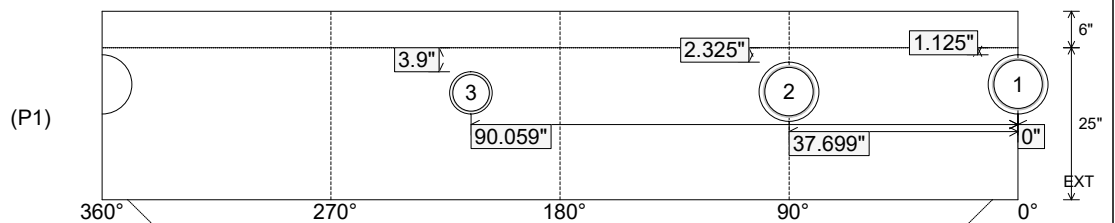
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	546.96'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	547.06'	90°	45.553"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3	547.16'	215°	108.821"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	3.9"	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):

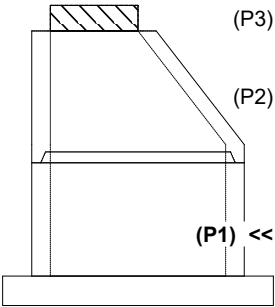
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 25"
Height (Ext): 31"

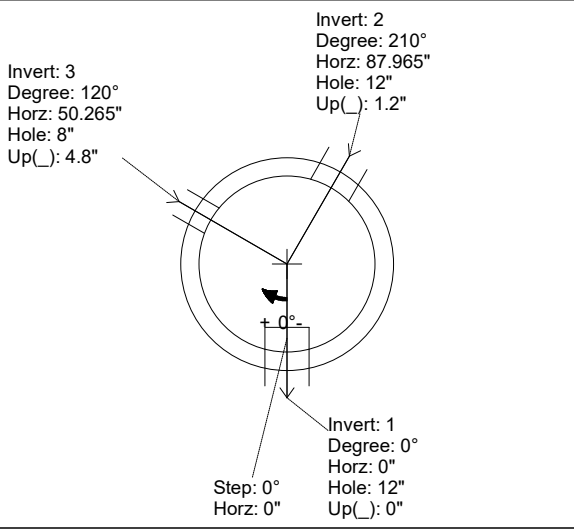
Weight (Net): 2997 lb
Volume (Net): 0.77cu.yd

Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:44:01 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH C4											
P1 MH048BAEVF		MH BASE w/FLANGE (08F/08EF)									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 36" P1) 48" - MH BASE w/FLANGE (08F/08EF) - 31" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) PSX - 8QRS-S NYLO					0 lb 3000 lb 4936 lb 0 lb 0 lb 1440 lb 340 lb 0 lb 0 lb 0 lb 16 lb 6 lb ----- Structure Total: 9738 lb		Structure Notes: 1. HOE MC-420 F/C SANITARY PROVIDED BY ICAST 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 837' Rim to Invert: 6' Slack: 0" Sump: 2" Step Position: 0											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	831'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	831.1'	210°	106.291"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3	831.4'	120°	60.737"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	4.8"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



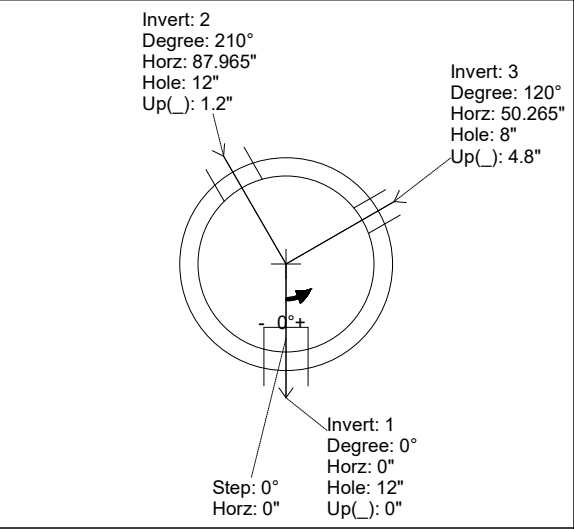
Invert: 2
Degree: 210°
Horz: 87.965"
Hole: 12"
Up(): 1.2"

Invert: 3
Degree: 120°
Horz: 50.265"
Hole: 8"
Up(): 4.8"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)



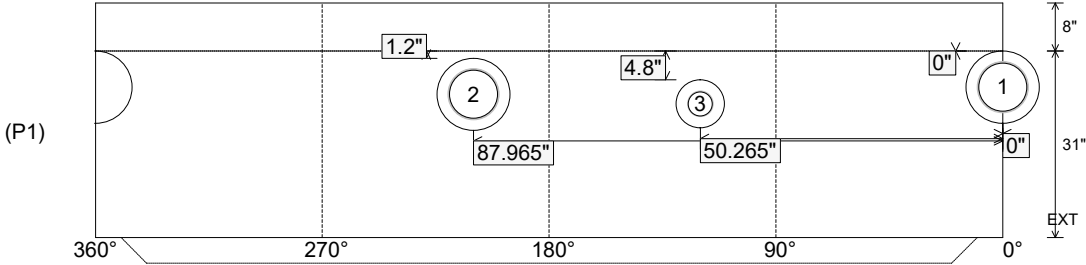
Invert: 2
Degree: 210°
Horz: 87.965"
Hole: 12"
Up(): 1.2"

Invert: 3
Degree: 120°
Horz: 50.265"
Hole: 8"
Up(): 4.8"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

Horizontal dimensions: 1.2", 4.8", 87.965", 50.265", 0"

Vertical dimensions: 8", 31", EXT

Angles: 360°, 270°, 180°, 90°, 0°

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 31" Height (Ext): 39"	Weight (Net): 4936 lb Volume (Net): 1.26cu.yd
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Job Name: 25-3241P2 - Buck Hills Subdivision

Job Location: Lawrenceburg, KY 40342

Contractor: Edmonson Plumbing & Heating Supply

Plant: 100

7/24/2026 12:44:01 PM

Tech: Jared - A

PC: C. Goff

Structure ID: MH C4

P1 MH048BAEVF

MH BASE w/FLANGE (08F/08EF)

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - ECC CONE w/ 24" HOLE - 36"

P1) 48" - MH BASE w/FLANGE (08F/08EF) - 31"

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

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

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) CASTING - HOE MC-420 F/C Sanitary

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

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

2) PSX - 12-08 NYLO

1) PSX - 8QRS-S NYLO

0 lb

3000 lb

4936 lb

0 lb

0 lb

1440 lb

340 lb

0 lb

0 lb

16 lb

6 lb

Structure Total: 9738 lb

Structure Notes:

1. HOE MC-420 F/C SANITARY PROVIDED BY ICAST

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

INVERT CHANNEL DRAWING

FULL HEIGHT INVERT

Rim: 837'

Rim to Invert: 6'

Slack: 0"

Sump: 2"

Step Position: 0

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	831'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	831.1'	210°	106.291"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3	831.4'	120°	60.737"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	4.8"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 3
Degree: 120°
Horz: 50.265"
Hole: 8"
Up(): 4.8"

Invert: 2
Degree: 210°
Horz: 87.965"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 3
Degree: 120°
Horz: 50.265"
Hole: 8"
Up(): 4.8"

Invert: 2
Degree: 210°
Horz: 87.965"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 8"

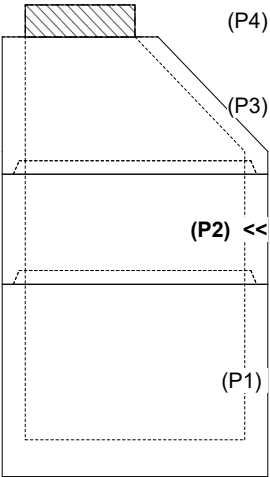
Height (Int): 31"

Height (Ext): 39"

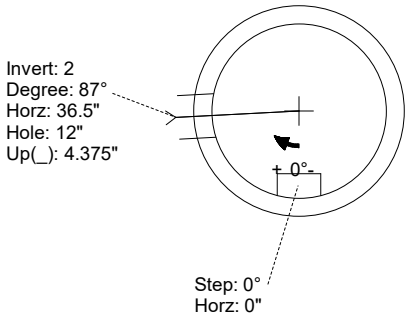
Weight (Net): 4936 lb

Volume (Net): 1.26cu.yd

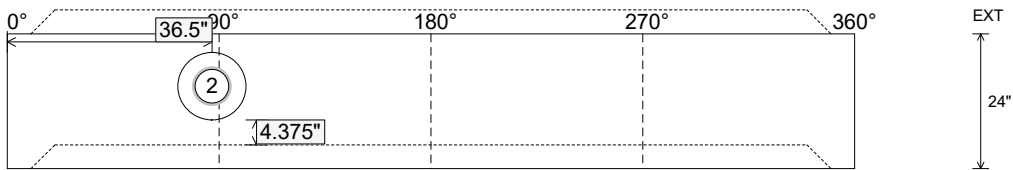
Job Name: 26-1322B - KYTC Warren Co Call 104 (261503) Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC					Plant: 100 4/21/2026 3:37:01 PM		Tech: Jared - A PC: Celina Goff						
Structure ID: 179-84 SS-MH													
P2 MH048RS24S			MH RISER SPECIAL T/G										
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER SPECIAL T/G - 24" P1) 48" - MH BASE (08"F) T/n - 34" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-28 1) PSX - 12-06 NYLO 1) PSX - 12-08 NYLO 6) MH Step ML-10-TDS-NCR - 10"						0 lb 2050 lb 1629 lb 3555 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 8 lb 8 lb 0 lb ----- Structure Total: 8974 lb		Structure Notes: 1. PER KYTC & ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 0 DEGREES 5. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST					
Rim: 477.09' Rim to Invert: 7.91' Slack: 1.92" Sump: 2" Step Position: 0													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2	472.82'	87°	44"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	4.375"	0"			
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													



RIGHT-SIDE UP VIEW (int. dimensions)

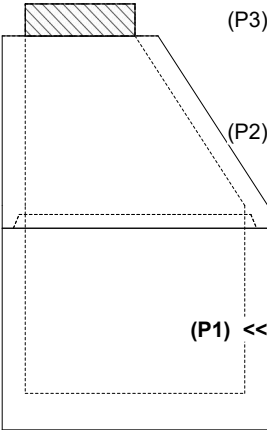


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 24" Height (Ext): 24"	Weight (Net): 1629 lb Volume (Net): 0.42cu.yd
----------------------------------	------------------------------------	--	--	--

Job Name: 26-1322B - KYTC Warren Co Call 104 (261503) Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC				Plant: 100 4/21/2026 2:25:12 PM		Tech: Jared - A PC: Celina Goff						
Structure ID: 177-82 SS-MH												
P1 MH048BA36				MH BASE (08"F) T/n								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE (08"F) T/n - 36" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) Kor-N-Seal2 - S206-26L 1) Kor-N-Seal2 - S206-28 5) MH Step ML-10-TDS-NCR - 10"						0 lb 3200 lb 3783 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 6 lb 6 lb 0 lb Structure Total: 8707 lb		Structure Notes: 1. PER KYTC & 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 "BGMU SANITARY" SUPPLIED BY ICAST				
Rim: 475.72'				Rim to Invert: 6.98'		Slack: 2.76"		Sump: 4"		Step Position: 0		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	468.74'	0°	0"	18" RCP B WALL	23"	Kor-N-Seal2 S206-26L	26"	27.476"	0"	0"		
Invert 2	468.84'	191°	96.625"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	3.25"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

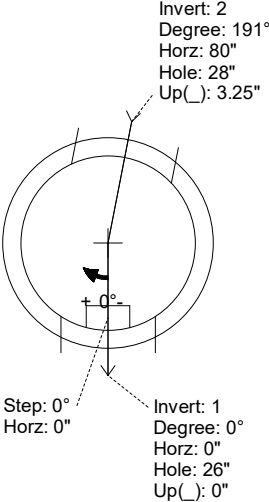


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

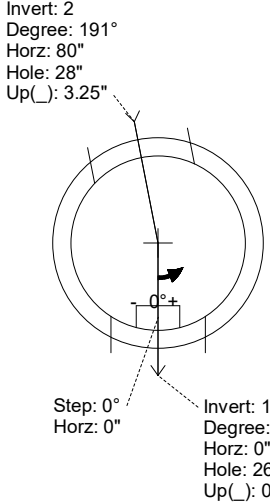


Invert: 2
Degree: 191°
Horz: 80"
Hole: 28"
Up(_): 3.25"

Step: 0°
Horz: 0"

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

UPSIDE-DOWN VIEW (int. dimensions)

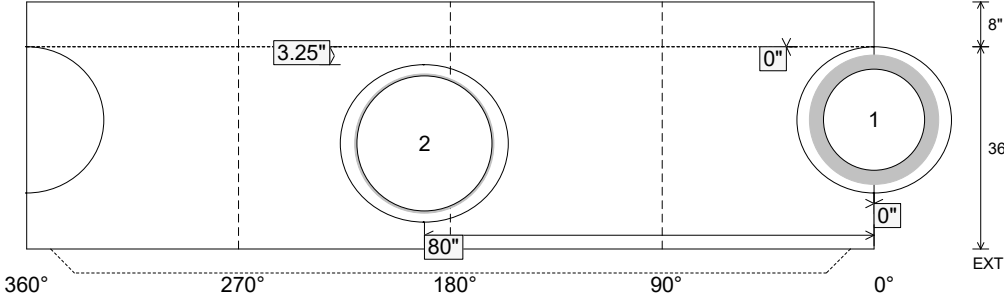


Invert: 2
Degree: 191°
Horz: 80"
Hole: 28"
Up(_): 3.25"

Step: 0°
Horz: 0"

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

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

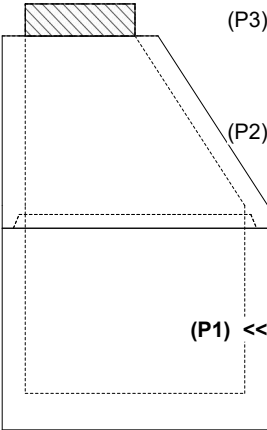
8"

36"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 36" Height (Ext): 44"	Weight (Net): 3783 lb Volume (Net): 0.97cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1322B - KYTC Warren Co Call 104 (261503) Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC				Plant: 100 4/21/2026 2:25:12 PM		Tech: Jared - A PC: Celina Goff						
Structure ID: 177-82 SS-MH												
P1 MH048BA36				MH BASE (08"F) T/n								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE (08"F) T/n - 36" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) Kor-N-Seal2 - S206-26L 1) Kor-N-Seal2 - S206-28 5) MH Step ML-10-TDS-NCR - 10"						0 lb 3200 lb 3783 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 6 lb 6 lb 0 lb		Structure Notes: 1. PER KYTC & 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 "BGMU SANITARY" SUPPLIED BY ICAST				
Structure Total: 8707 lb												
Rim: 475.72' Rim to Invert: 6.98' Slack: 2.76" Sump: 4" Step Position: 0												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	468.74'	0°	0"	18" RCP B WALL	23"	Kor-N-Seal2 S206-26L	26"	27.476"	0"	0"		
Invert 2	468.84'	191°	96.625"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	3.25"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

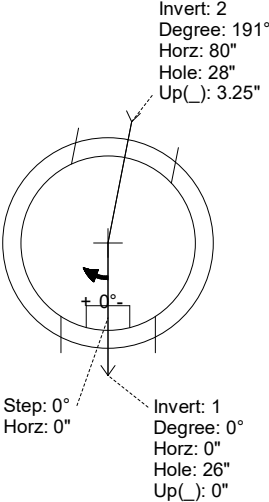


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 191°
Horz: 80"
Hole: 28"
Up(_): 3.25"

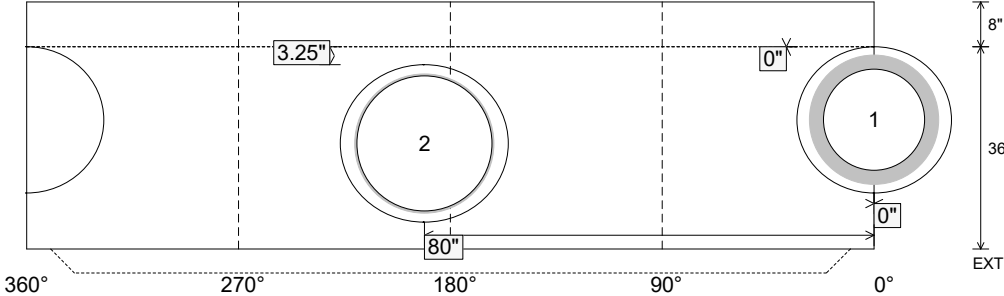
Step: 0°
Horz: 0"

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

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



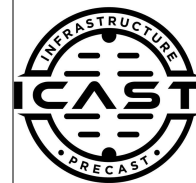
(P1)

360° 270° 180° 90° 0°

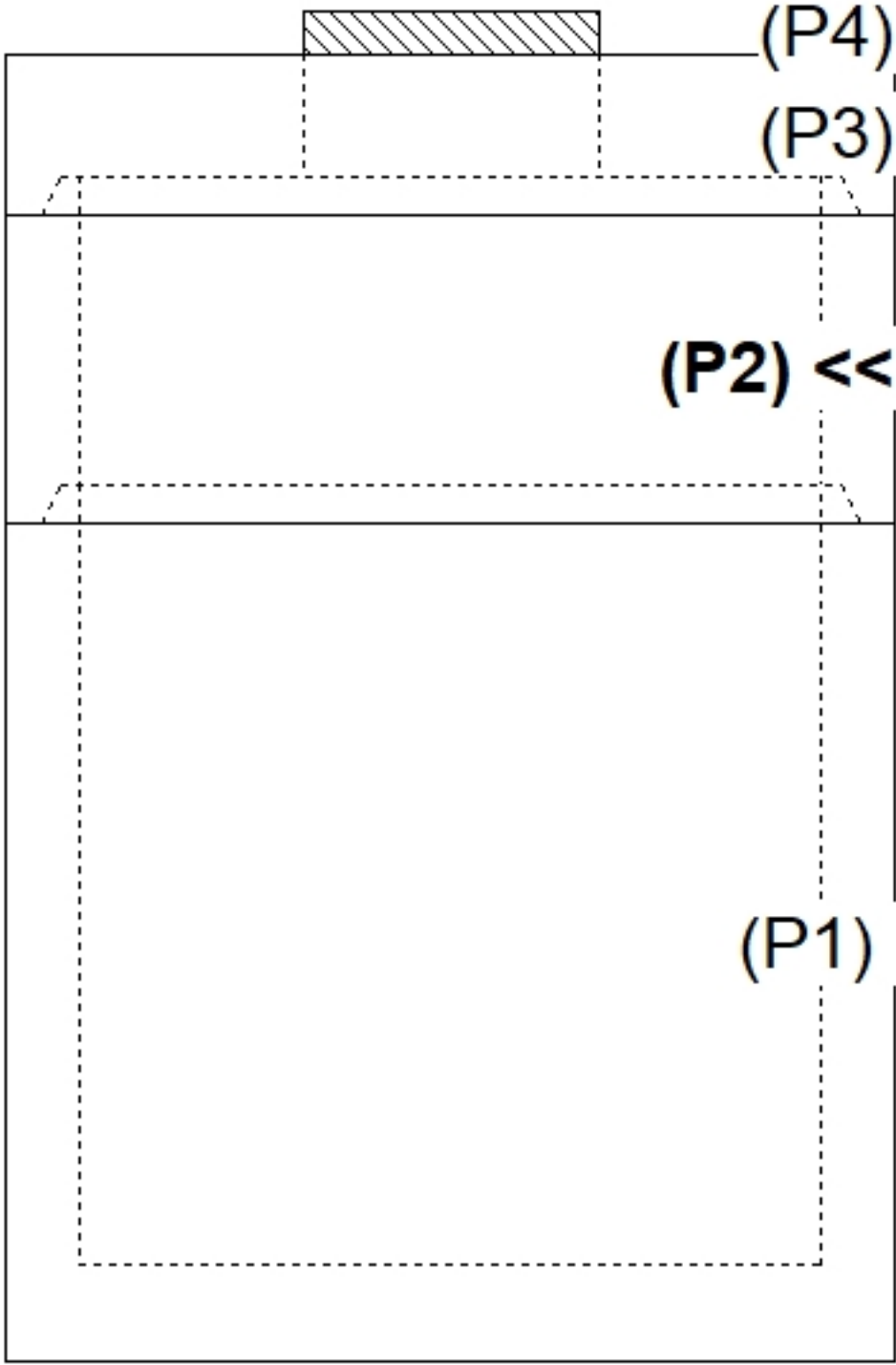
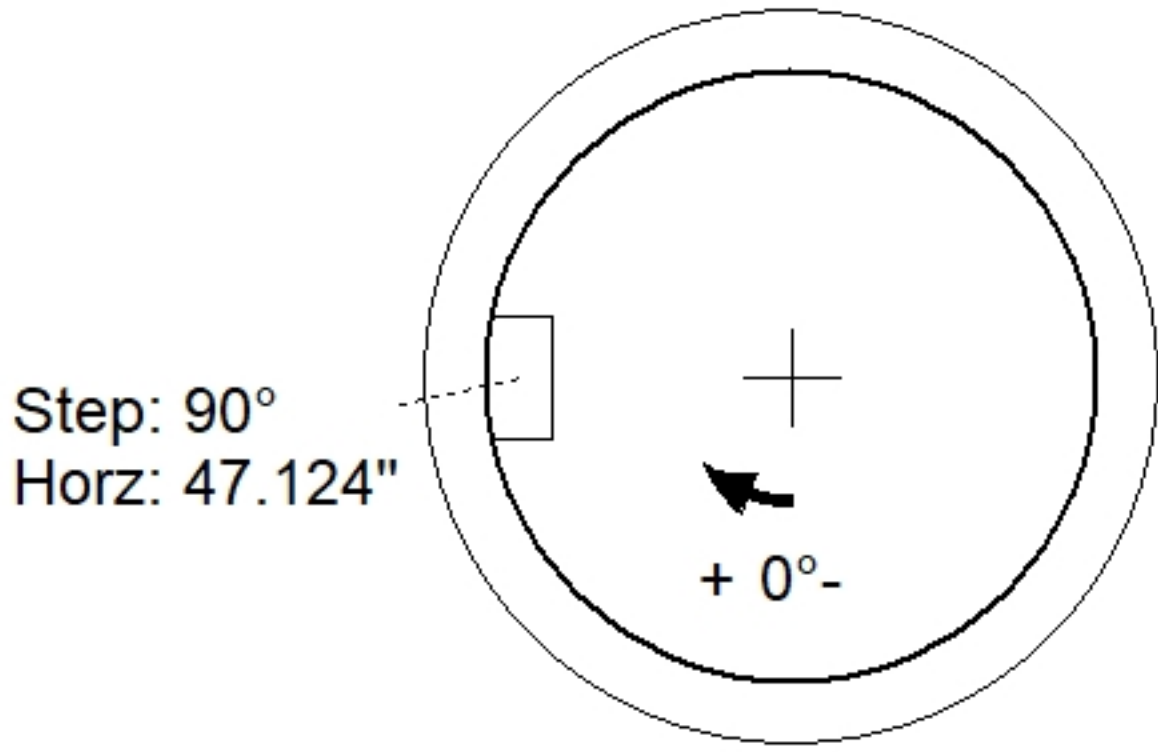
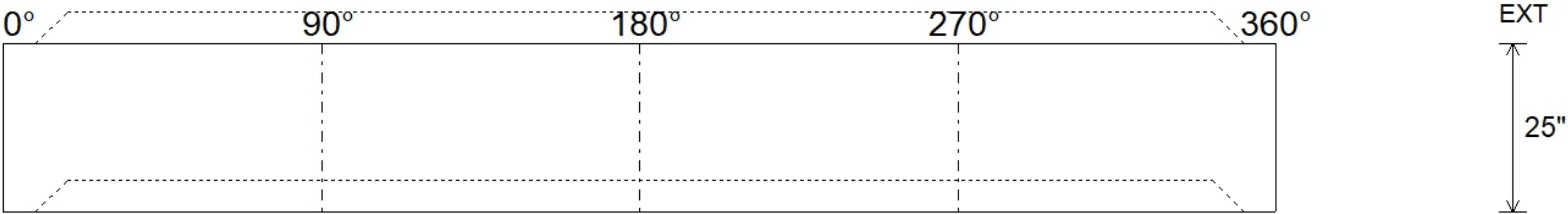
3.25" 0" 0"

8" 36" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 36" Height (Ext): 44"	Weight (Net): 3783 lb Volume (Net): 0.97cu.yd
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Weight (Net): 2668 lb
Volume (Net): 0.68cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures				Plant: Beaver Dam		Tech: S. Felletter							
Job Location: Bowling Green, KY				8/11/2026 9:22:31 AM		PC: M. Sullivan							
Contractor: Scotty's Contracting & Stone, LLC													
Structure ID: DBI-17													
P2		MH060RSVF		MH RISER Custom Ht T/G									
P4) 24" x 30" - CASTING HEIGHT - 3.50" P3) 60" - MH FLAT TOP w/24"x30" Hole F/G - 13" P2) 60" - MH RISER Custom Ht T/G - 25" P1) 60" - MH BASE T/n - 60" 1) CASTING - HOE KY-460-11 F/G (DBI 11) 2) 60" - Conseal CS-102 1.00" 1) 24" x 30" - Conseal CS-102 1.00" 2) Hole - 44 5) MH Step ML-10-TDS-NCR - 10"						0 lb 2668 lb 2610 lb 7314 lb 421 lb 0 lb 0 lb 0 lb 0 lb ----- 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-460-11 F/G). . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.					
Rim: 591'						Rim to Invert: 8.51'		Slack: 0.62"		Sump: 0"		Step Position: 90°	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)													
													
INSIDE WALL DIMENSIONS													
(P2)													
Coating (Int):				Seam Up: Tongue		Wall Thickness: 6"		Height (Int): 25"		Weight (Net): 2610 lb			
Coating (Ext):				Seam Dn: Groove		Floor Height: 0"		Height (Ext): 25"		Volume (Net): 0.67cu.yd			

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements

Job Location: Fort Mitchell, KY 41017

Contractor: Lykins Contracting

Plant: 100

3/26/2026 2:15:55 PM

Tech: J. Horsley - A

PC: Celina Goff

INFRASTRUCTURE

CAST

PRECAST

Structure ID: 2301574

P2MH060RS72MH RISER T/G

P4) 24" - CASTING HEIGHT - 7"

P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"

P2) 60" - MH RISER T/G - 72"

P1) 60" - MH BASE Custom Ht T/n - 40"

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

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

2) Kor-N-Seal2 - S206-18L

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

0 lb

2869 lb

7516 lb

6649 lb

2692 lb

0 lb

12 lb

0 lb

Structure Total: 19739 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 90 DEGREES

5. 7" CASTING SUPPLIED BY OTHERS

Rim: 739.51'Rim to Invert: 10.98'Slack: 1.76"Sump: 2"Step Position: 90°

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

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

Step: 90°

Horz: 47.125"

+ 0°-

INSIDE WALL DIMENSIONS

0°90°180°270°360°

(P2)

EXT

72"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 72"

Height (Ext): 72"

Weight (Net): 7516 lb

Volume (Net): 1.92cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures

Job Location: Bowling Green, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/11/2026 9:19:08 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: DBI-14

P1MH072BAVF

MH BASE Custom Ht T/n

P3) 24" x 30" - CASTING HEIGHT - 3.50"

P2) 72" - MH FLAT TOP w/24"x30" Hole F/G - 15"

P1) 72" - MH BASE Custom Ht T/n - 70"

1) CASTING - HOE KY-460-11 F/G (DBI 11)

1) 72" - Conseal CS-102 1.00"

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

2) Hole - 50

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

0 lb

4561 lb

11598 lb

421 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 16580 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE KY-460-11 F/G).

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .18)

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

Rim: 587.05'

Rim to Invert: 7.44'

Slack: 0.78"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	579.61'	0°	0"	42" HDPE	47.7"	Hole 50	50"	55.271"	-3.15"	0"
Invert 2	579.61'	167°	125.332"	42" HDPE	47.7"	Hole 50	50"	55.271"	-3.15"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2

Degree: 167°

Horz: 104.929"

Hole: 50"

Up(): -3.15"

Step: 270°

Horz: 169.646"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 50"

Up(): -3.15"

Invert: 2

Degree: 167°

Horz: 104.929"

Hole: 50"

Up(): -3.15"

Step: 270°

Horz: 169.646"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 50"

Up(): -3.15"

INSIDE WALL DIMENSIONS

2

1

-3.15"

-3.15"

104.929"

0"

360°

270°

180°

90°

0°

8"

70"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 7"

Floor Height: 8"

Height (Int): 70"

Height (Ext): 78"

Weight (Net): 11598 lb

Volume (Net): 2.96cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures

Job Location: Bowling Green, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/11/2026 9:19:05 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: DBI-8

P1 MH072BAVF

MH BASE Custom Ht T/n

P3) 24" x 30" - CASTING HEIGHT - 3.50"

P2) 72" - MH FLAT TOP w/24"x30" Hole F/G - 15"

P1) 72" - MH BASE Custom Ht T/n - 63"

1) CASTING - HOE KY-460-11 F/G (DBI 11)

1) 72" - Conseal CS-102 1.00"

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

1) Hole - 50

1) Hole - 16

1) Hole - 44

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

0 lb

4561 lb

10763 lb

421 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 15745 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE KY-460-11 F/G).

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .18)

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

Rim: 585.22'

Rim to Invert: 6.84'

Slack: 0.58"

Sump: 0"

Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	578.38'	0°	0"	42" HDPE	47.7"	Hole 50	50"	55.271"	-3.15"	0"
Invert 2	578.38'	125°	93.811"	12" PVC SDR35	12.5"	Hole 16	16"	16.135"	-0.25"	0"
Invert 3	578.38'	198°	148.597"	36" HDPE	41.7"	Hole 44	44"	47.337"	-2.85"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2
Degree: 125°
Horz: 78.54"
Hole: 16"
Up(): -0.25"

Invert: 3
Degree: 198°
Horz: 124.407"
Hole: 44"
Up(): -2.85"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 50"
Up(): -3.15"

Step: 270°
Horz: 169.646"

+ 0°-

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

3

2

1

-2.85"

-0.25"

-3.15"

78.54"

124.407"

0"

360°

270°

180°

90°

0°

8"

63"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 7"

Floor Height: 8"

Height (Int): 63"

Height (Ext): 71"

Weight (Net): 10763 lb

Volume (Net): 2.75cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures
Job Location: Bowling Green, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

Tech: S. Felletter

8/11/2026 9:22:07 AM

PC: M. Sullivan



Structure ID: DBI-15

P3 MH072LD15-24x30 LOUMSD

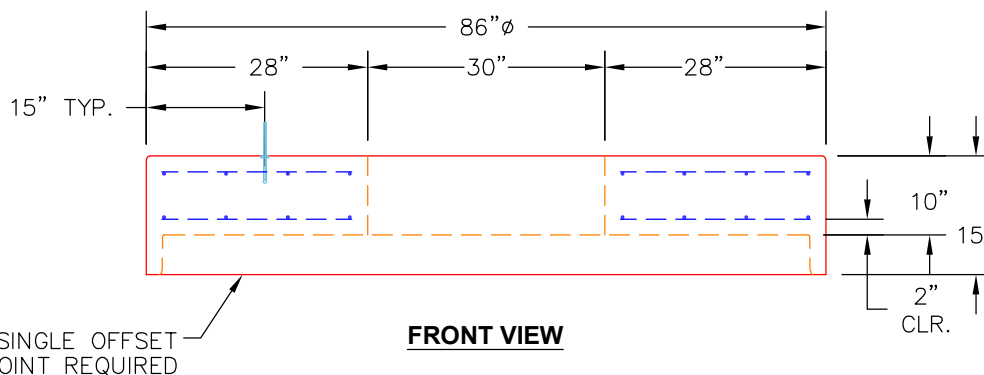
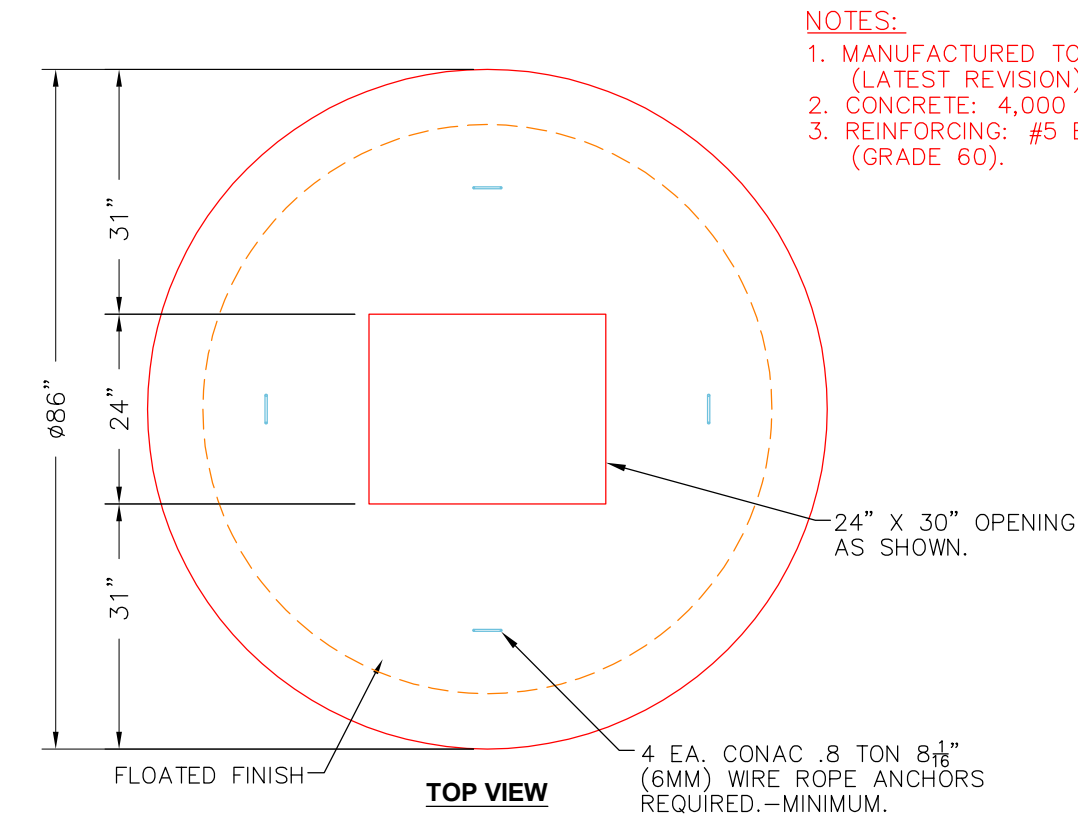
MH FLAT TOP w/24"x30" Hole LOU-MSD F/G

- P4) 24" x 30" - CASTING HEIGHT - 3.50"
P3) 72" - MH FLAT TOP w/24"x30" Hole LOU-MSD F/G - 15"
P2) 72" - MH RISER Custom Ht T/G - 31"
P1) 72" - MH BASE T/n - 60"
1) CASTING - HOE KY-460-11 F/G (DBI 11)
2) 72" - Con Seal CS-102 1.00"
1) 24" x 30" - Con Seal CS-102 1.00"
2) Hole - 50
1) Hole - 16
5) MH Step ML-10-TDS-NCR - 10"

0 lb
6405 lb
4519 lb
10022 lb
421 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 21367 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE KY-460-11 F/G).
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 7"

Height (Ext): 15"

Weight (Net): 6405 lb
Volume (Net): 1.64cu.yd

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

Plant: 100

6/3/2026 6:27:34 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: SCUM VAULT

P1 MH072BAEVF

MH BASE w/FLANGE (08F/07EF) T/n

- P3) 48" x 48" - CASTING HEIGHT - 0"
P2) 72" - MH FLAT TOP w/48"x48" Hatch F/G - 15"
P1) 72" - MH BASE w/FLANGE (08F/07EF) T/n - 51"
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) HATCH (Alum.) - HALLIDAY W2S 48"x48"
1) 72" - Conseal CS-102 1.00" (Double)
1) 48" x 48" - Conseal CS-102 1.00" (Double)
4) Z-Lok - C107-6
1) PSX - 8QRS-S NYLO
4) MH Step ML-10-TDS-NCR - 10"

0 lb
3320 lb
12452 lb
0 lb
0 lb
126 lb
0 lb
0 lb
4 lb
6 lb
0 lb

Structure Total: 15909 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY I-CAST (HALLIDAY W2S 48"x48").

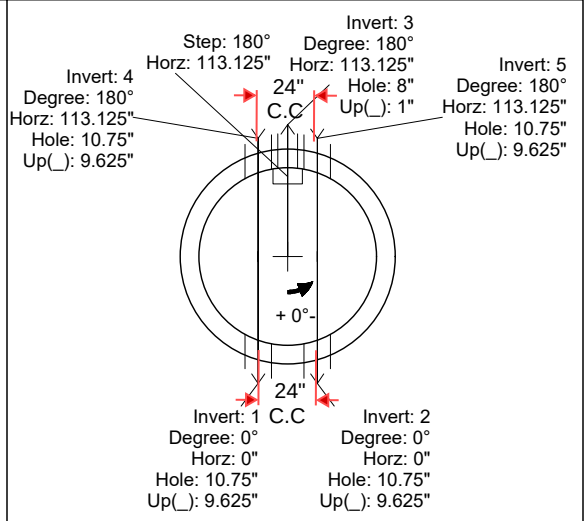
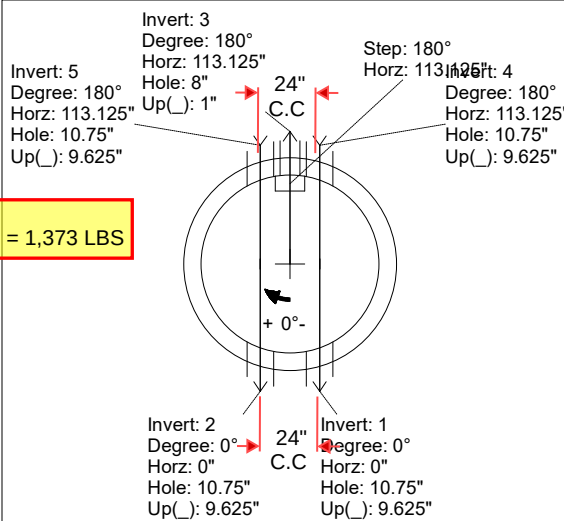
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .12)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 454' Rim to Invert: 5.25' Slack: 0" Sump: 3" Step Position: 180°

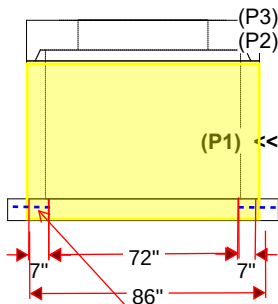
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	449.5'	0°	-12.125"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	-12"
Invert 2	449.5'	0°	12.125"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	12"
Invert 3	448.75'	180°	135.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.017"	1"	0"
Invert 4	449.5'	180°	147.25"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	12"
Invert 5	449.5'	180°	122.875"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	-12"
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

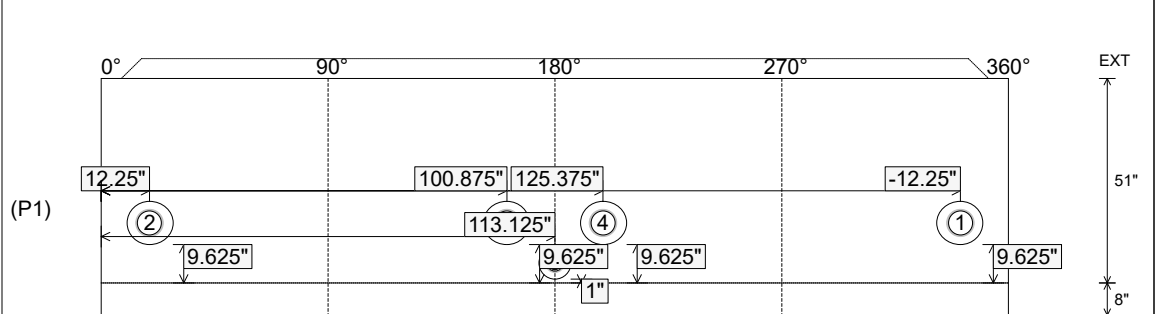


1ST POUR (BASE) = 11,079 LBS
2ND POUR (EXTENDED FLANGE) = 1,373 LBS



#5 BAR DOWELS @ 18" O.C TO BE
DRILLED IN BASE SLAB FOR FLANGE
ATTACHMENT

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 7"
Floor Height: 8"

Height (Int): 51"
Height (Ext): 59"

Weight (Net): 12452 lb
Volume (Net): 3.18cu.yd

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

Plant: 100

6/3/2026 6:27:34 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: SCUM VAULT

P1 MH072BAEVF

MH BASE w/FLANGE (08F/07EF) T/n

- P3) 48" x 48" - CASTING HEIGHT - 0"
P2) 72" - MH FLAT TOP w/48"x48" Hatch F/G - 15"
P1) 72" - MH BASE w/FLANGE (08F/07EF) T/n - 51"
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) HATCH (Alum.) - HALLIDAY W2S 48"x48"
1) 72" - Conseal CS-102 1.00" (Double)
1) 48" x 48" - Conseal CS-102 1.00" (Double)
4) Z-Lok - C107-6
1) PSX - 8QRS-S NYLO
4) MH Step ML-10-TDS-NCR - 10"

0 lb
3320 lb
12452 lb
0 lb
0 lb
126 lb
0 lb
0 lb
0 lb
4 lb
6 lb
0 lb

Structure Total: 15909 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY I-CAST (HALLIDAY W2S 48"x48").

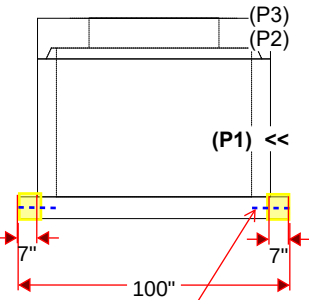
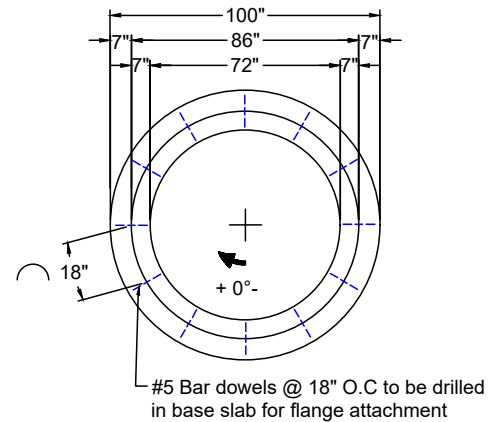
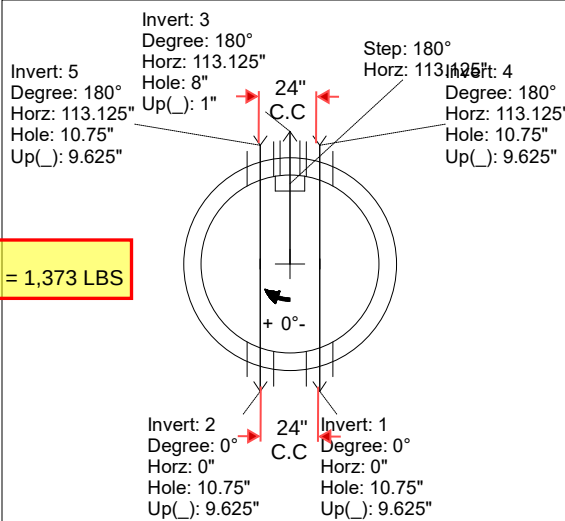
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .12)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 454' Rim to Invert: 5.25' Slack: 0" Sump: 3" Step Position: 180°

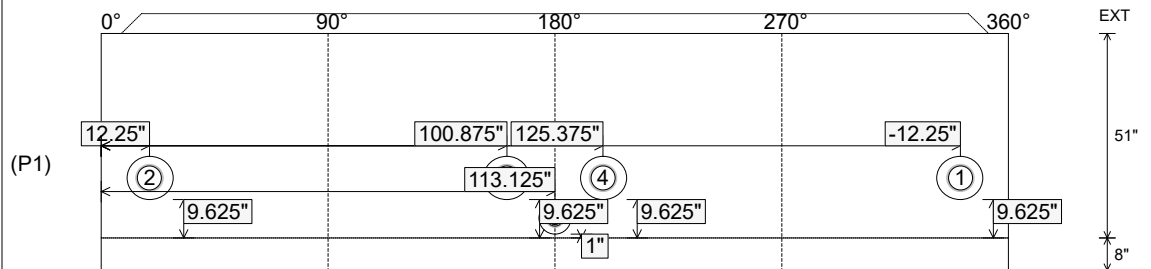
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	449.5'	0°	-12.125"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	-12"
Invert 2	449.5'	0°	12.125"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	12"
Invert 3	448.75'	180°	135.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.017"	1"	0"
Invert 4	449.5'	180°	147.25"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	12"
Invert 5	449.5'	180°	122.875"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	-12"
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): 51"
Height (Ext): 59"

Weight (Net): 12452 lb
Volume (Net): 3.18cu.yd

Job Name: 26-2254 - Wilder Box Culvert
Job Location: Wilder, KY
Contractor: Eaton Asphalt

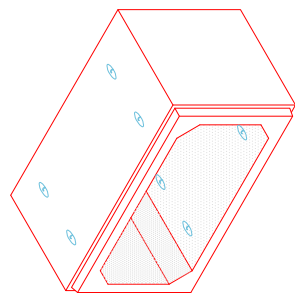
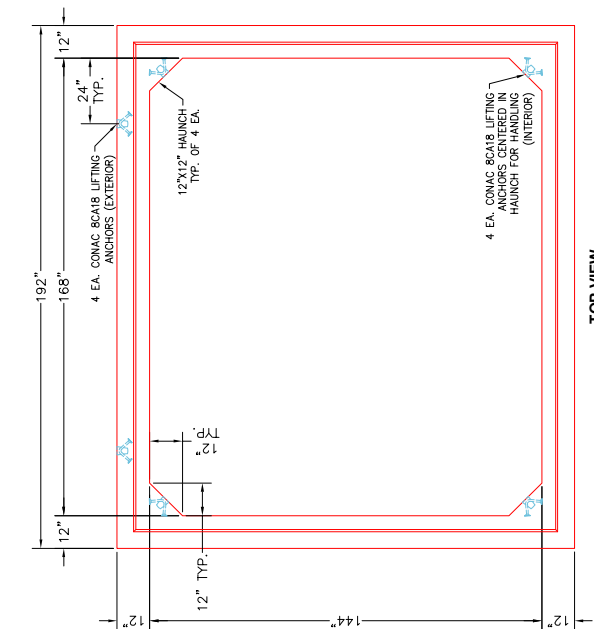
Plant: 100
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Tech: Jared - A
PC: E. Bradley

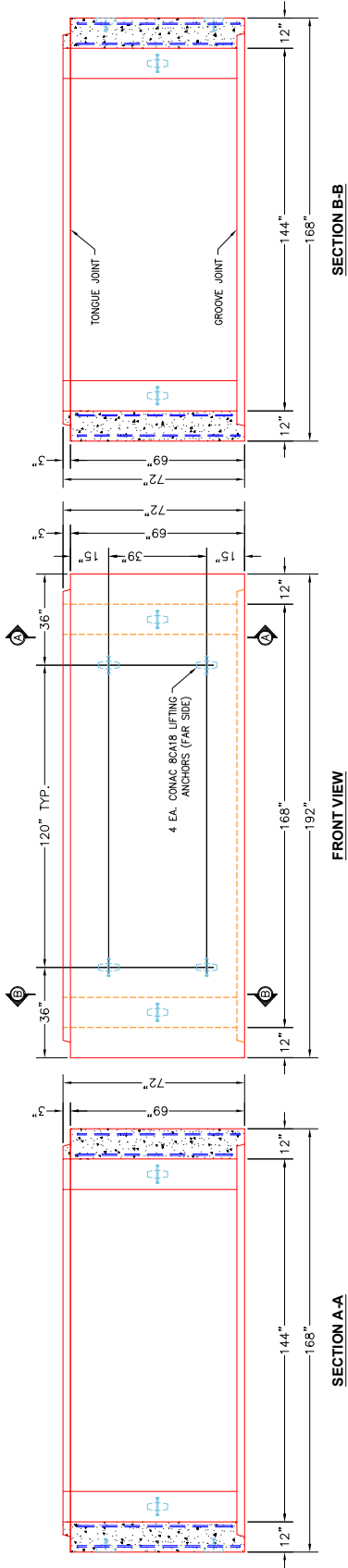
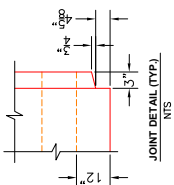


Structure ID: Box Culvert
P24 BC168144-12W12T12F-12H BOX CULVERT (12W/12F/12T) T/G

- NOTES:
- 1. BOX CULVERT IS DESIGNED PER ATTACHED PE STAMPED DRAWINGS & CALCULATIONS.
 - 2. LOAD REQUIREMENTS PER KY-HL93 (KY TABLE 1)
 - 3. COVER DEPTH = 15' - 0"
 - 4. CONCRETE: 5,000 PSI AT 28 DAYS.
 - 5. REINFORCING: AS SHOWN BY MATT CHILDS ENGINEERING.
 - 6. BOX CULVERT TO BE SEALED WITH CS-102 ROLL BUTYL MASTIC & CS-212 12" WRAP. (SUPPLIED BY ICAST).
 - 7. WEIGHT: 48,363 LBS.

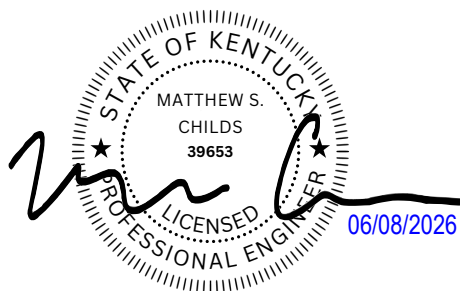


COMPONENT ISOMETRIC VIEW



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 12" Floor Height: 0"	Height (Int): 69" Height (Ext): 69"	Weight (Net): 48363 lb Volume (Net): 12.35cu.yd
----------------------------------	------------------------------------	---	--	--

Project: Mooch Road
Product: 14' x 12' Box Culvert
Job: 26-2254
Design No.:
Location: Wilder, KY
Reference #:



MATT CHILDS ENGINEERING, PLLC

Project : City of Wilder
Task : 14x12 15' Fill
Job No. :

Client: ICast
File: 20260605-ICast-CityofWilder-14x12(15'Fill).etcx

Sht ____ of ____
By:MBJ
Ck:
6/5/2026 4:35:08 PM
p. 1 of 2

Spec.: LRFD 9th ed.
Type of Culvert: Precast

Physical Dimensions

Clear Span:	14'-0"
Clear Height:	12'-0"
Top Slab:	1'-0"
Bottom Slab:	1'-0"
Ext. Wall:	1'-0"
Fill Depth:	15.00 ft
Length:	4'-0"
Skew Angle:	0.00 deg
Bottom Slab Support:	Full Slab
Top Haunch, Width:	1'-0"
Top Haunch, Height:	1'-0"
Bottom Haunch, Width:	1'-0"
Bottom Haunch, Height:	1'-0"

Material Properties

Concrete
Strength, f_c: 5.000 ksi
Density: 0.150 kcf
Elasticity, E_c: 3834 ksi
Type: Normal wt

Steel
Yield, f_y: 65 ksi
Allow Stress: 39 ksi
Elasticity, E_s: 29000 ksi

Soil
Density: 0.120 kcf

Exposure Factor
Class 2 Exposure

Reinforcement Covers

Ext. Cover Top Slab:	1"
Ext. Cover Bottom Slab	1"
Ext. Cover Walls	1"
Int. Cover Walls	1"
Int. Cover Top Slab	1"
Int. Cover Bottom Slab	1"

Controlling Ratings

Inventory Rating: 5.85
Operating Rating: 7.59

Loads

Live Load

Vehicle Names:	HL-93
Traffic Direction:	Parallel
Eq. Height of Soil:	2.00 ft (Calc'd)

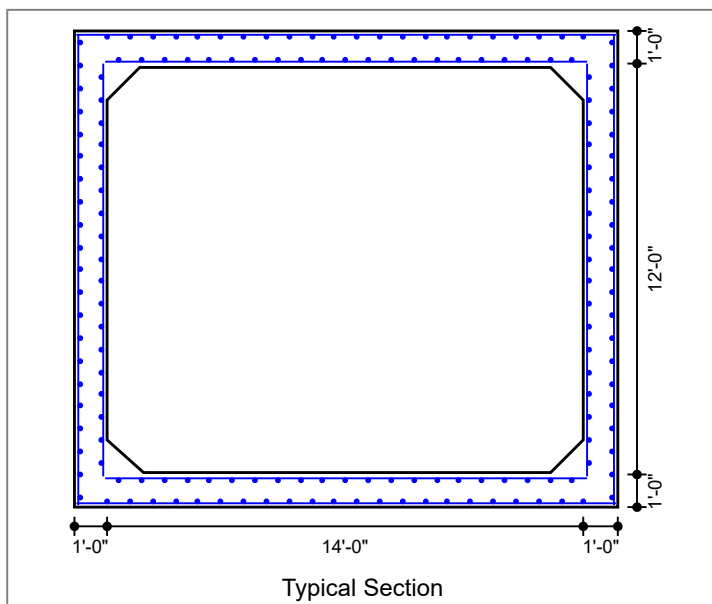
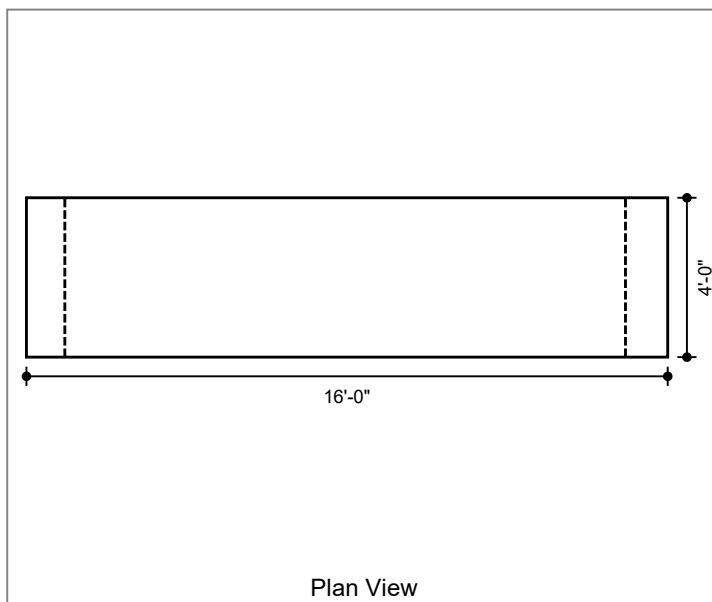
Dead Load

Future Wearing Surface:	0.000 klf
Additional Dead Load:	0.000 klf
Concentrated Loads:	none

Lateral Soil Loads

Eq. Fluid Press. Max:	60.00 pcf
Eq. Fluid Press. Min:	30.00 pcf

Interior Water Pressure:	yes, head pressure = 0 ft
Exterior Water Pressure:	no



MATT CHILDS ENGINEERING, PLLC

Sht ____ of ____

By:MBJ

Ck: _____

6/5/2026 4:35:09 PM

p. 2 of 2

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

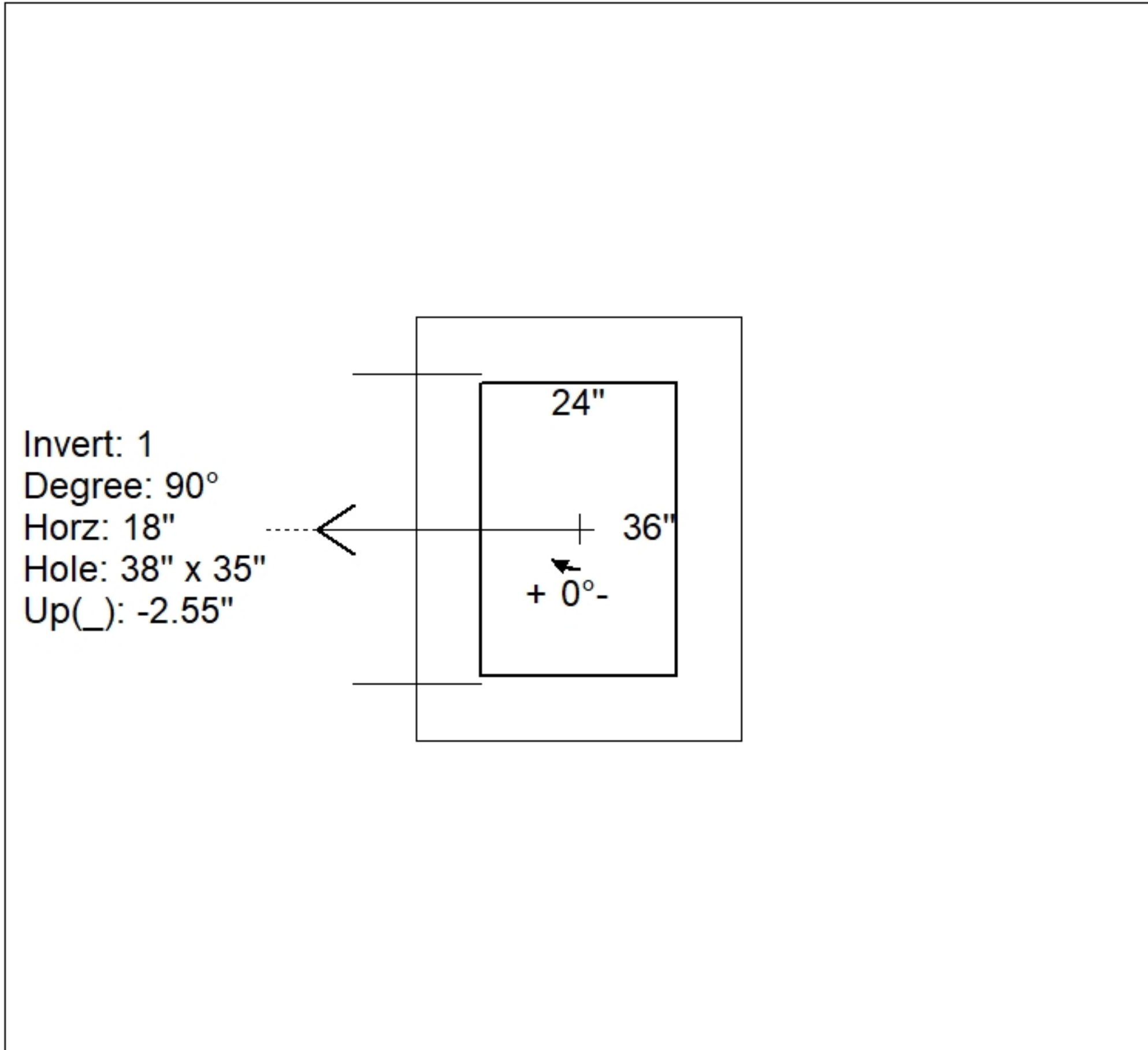
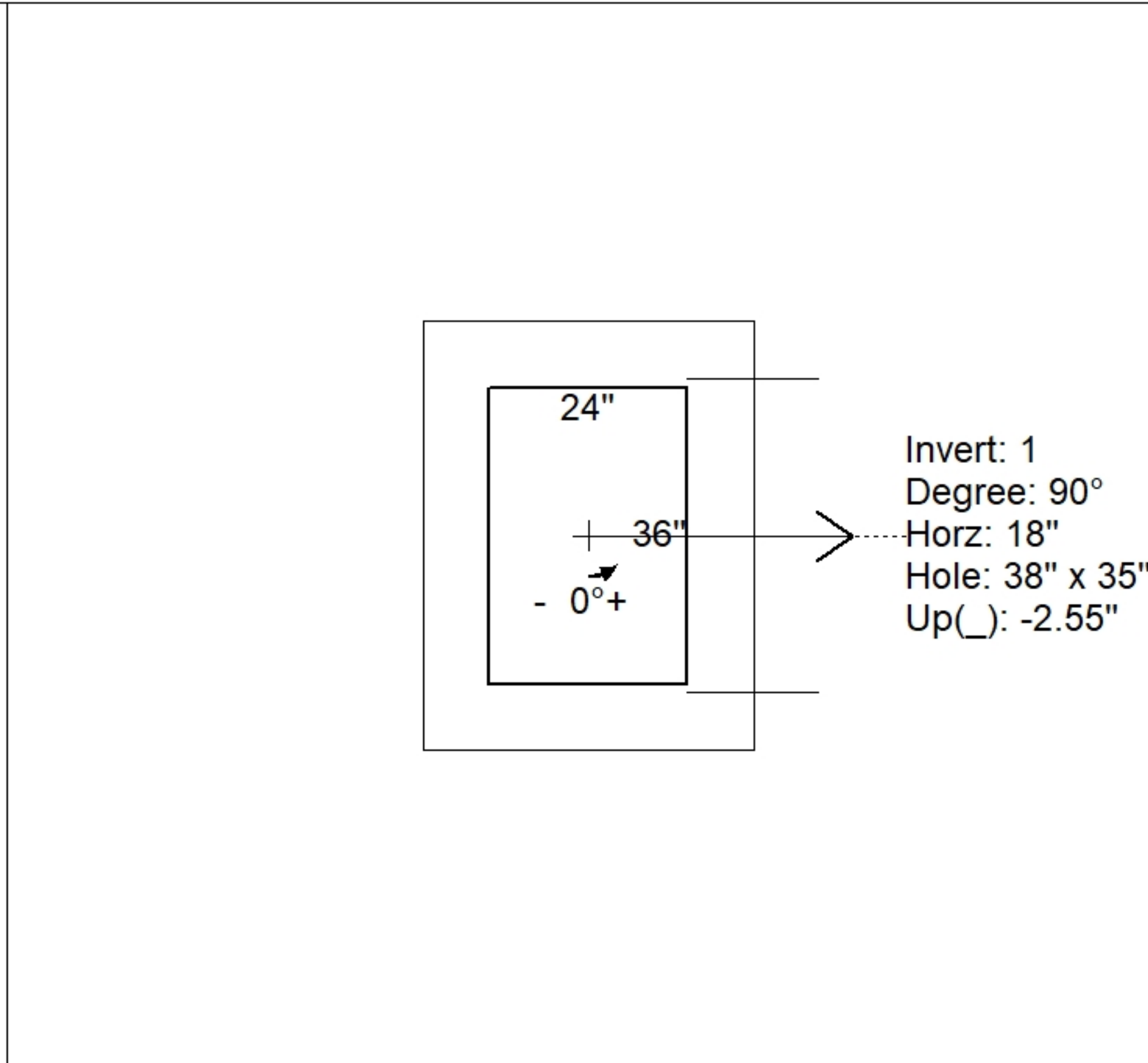
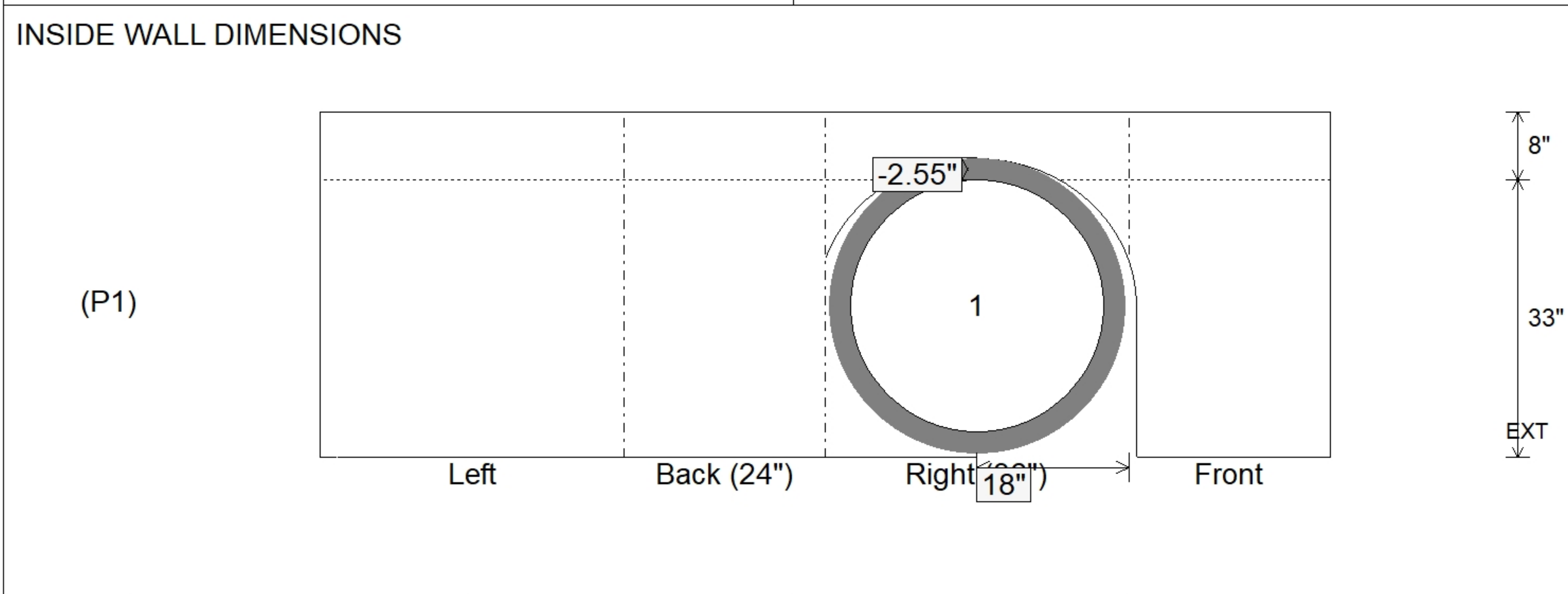
File: 20260605-ICast-CityofWilder-14x12(15'Fill).etcx

Concrete Summary

Volume of Concrete: 2.148 cy/ft Total Volume of Concrete: 8.593 cy

Reinforcing Steel Bar Schedule (lb)

Location	Mark	Sheets Included	As Provided
Top Slab(Int)	A100 (AS2)	Top	1.200
Bot Slab(Int)	A200 (AS3)	Bot	1.290
Top Slab(Ext)	A300 (AS7)	Top	0.300
Bot Slab(Ext)	A400 (AS8)	Bot	0.300
Corner(Top)	A1 (AS1)	Top	0.780
Corner(Bot)	A2 (AS1)	Bot	0.780
Wall(Int)	B1 (AS4)	L&R	0.300
Wall(Ext)	B2 (AS1)	L&R	0.780
Longit. Top (Int)	C100 (AS5)	Top	0.150
Longit. Bot (Int)	C200	Bot	0.150
Longit. Top (Ext)	C1 (AS6)	Top	0.150
Longit. Bot (Ext)	C1 (AS6)	Bot	0.150
Longit. Wall (Ext)	C1 (AS6)	L&R	0.150
Longit. Wall (Int)	C1 (AS6)	L&R	0.150

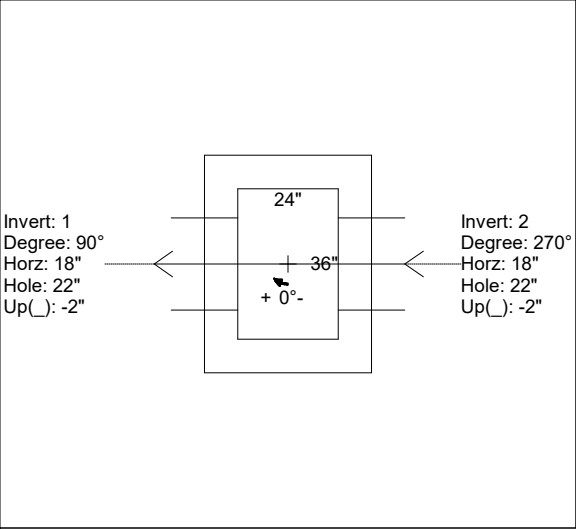
Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures					Plant: Beaver Dam		Tech: S. Felletter				
Job Location: Bowling Green, KY					8/11/2026 9:19:10 AM		PC: M. Sullivan				
Contractor: Scotty's Contracting & Stone, LLC											
Structure ID: DBI-19											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P3) 24" x 30" - CASTING HEIGHT - 3.50" P2) 24" x 36" - BX FLAT LID 8inW w/24"x30" HOLE F/F - 6" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 33" 1) CASTING - HOE KY-460-11 F/G (DBI 11) 1) 24" x 36" - Conseal CS-102 1.00" 1) 24" x 30" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 38"x35"					0 lb 685 lb 4155 lb 421 lb 0 lb 0 lb 0 lb ----- Structure Total: 5261 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-460-11 F/G). . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.				
Rim: 589.33'		Rim to Invert: 3.61'		Slack: 0.82"		Sump: 0"		Step Position: 90°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector		Hole	Horz Size	Up ()	Offset
Invert 1	585.72'	90°	26"	30" HDPE	35.1"	DOGHOUSE INVRTD 38"x35"		38" x 35"	37"	-2.55"	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): 33" Height (Ext): 41"		Weight (Net): 4155 lb Volume (Net): 1.06cu.yd		

P3) 24" x 120" - CASTING (cast in) - 3"	0 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.
P2) 24" x 120" - CB MED BAR BOX INLET 9A1 SAG - 17"	4000 lb	
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 40"	4967 lb	
1) 24" x 36" - Conseal CS-102 1.00"	0 lb	
2) Hole - 22	0 lb	
Structure Total:		8967 lb

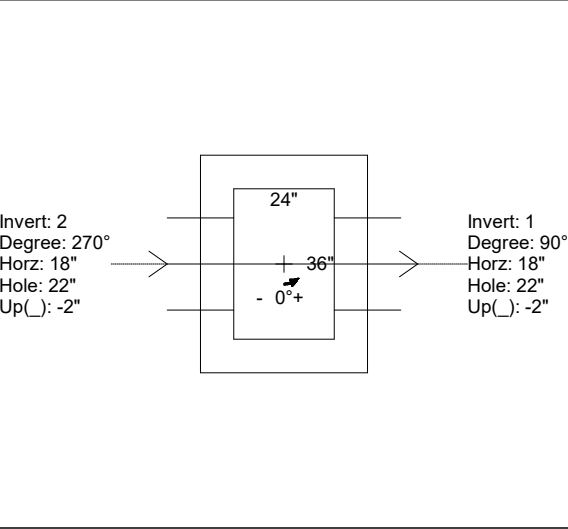
Rim: 562.84'	Rim to Invert: 5.1'	Slack: 4.2"	Sump: 0"	Step Position:
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Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	557.74'	90°	26"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 2	557.74'	270°	26"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

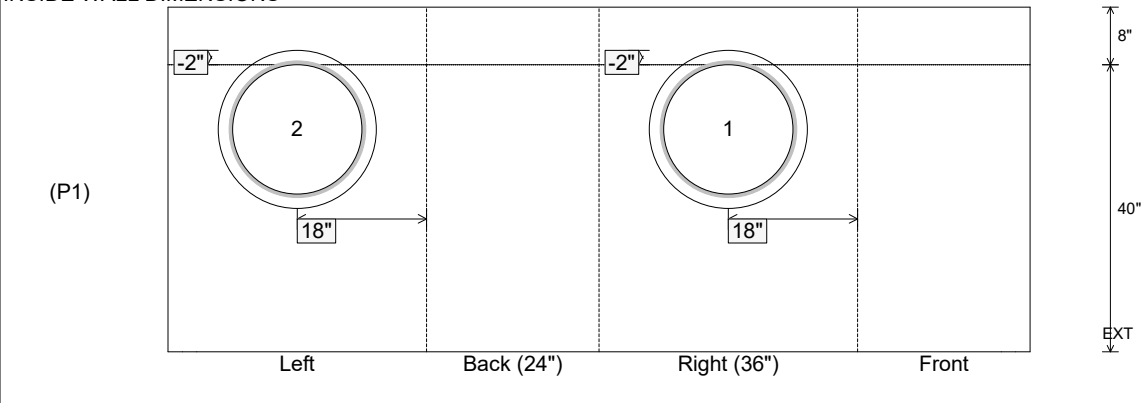
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

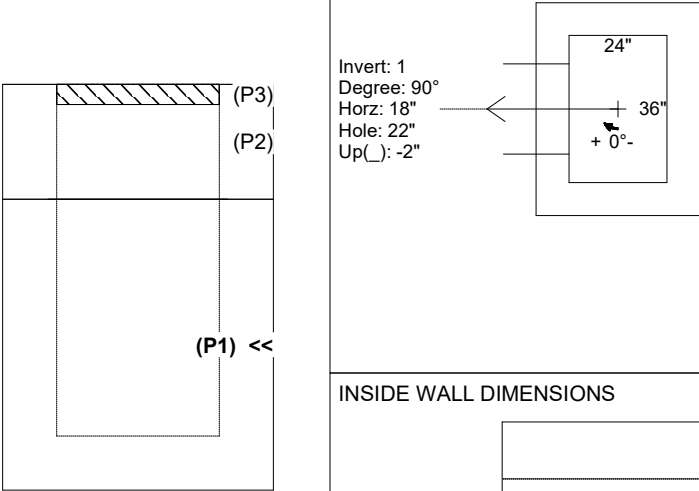
Height (Int): 40"

Height (Ext): 48"

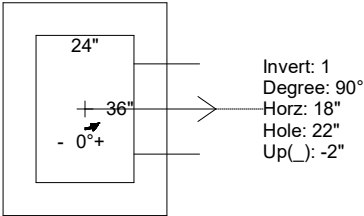
Weight (Net): 4967 lb

Volume (Net): 1.27cu.yd

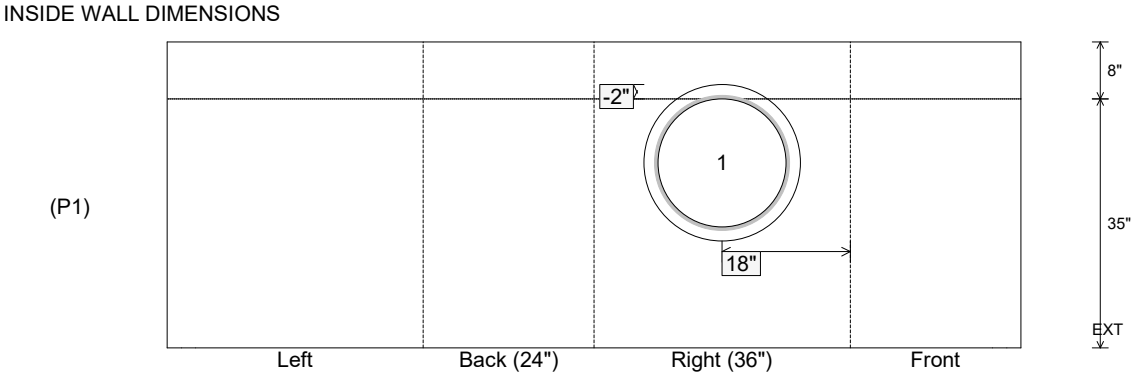
Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:15 AM		Tech: J. Coppage PC: T. Ryan				
Structure ID: 19+71 CBBI-MOD B1											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht							
P3) 24" x 120" - CASTING (cast in) - 3" P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 35" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22						0 lb 4000 lb 4712 lb 0 lb 0 lb ----- 0 lb Structure Total: 8712 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.			
Rim: 563.32'		Rim to Invert: 4.7'		Slack: 4.4"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	558.62'	90°	26"	18" CMP	19"	Hole 22	22"	22"	-2"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 35" Height (Ext): 43"	Weight (Net): 4712 lb Volume (Net): 1.2cu.yd
----------------------------------	-------------------------------	--	--	---

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)

Job Location: I-264 Louisville, Ky.

Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY

8/4/2026 11:26:27 AM

Tech: J. Coppage

PC: T. Ryan



Structure ID: 5077+33 RT CBBI-MOD B1

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

P3) 24" x 120" - CASTING (cast in) - 3"

P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 52"

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

1) Hole - 18

0 lb

4000 lb

6531 lb

0 lb

0 lb

Structure Total: 10531 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.

Rim: 578.69'

Rim to Invert: 6.1'

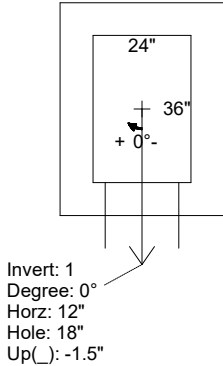
Slack: 4.2"

Sump: 0"

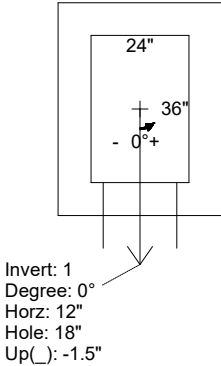
Step Position:

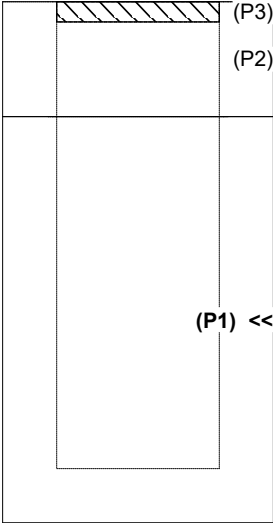
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	572.59'	0°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

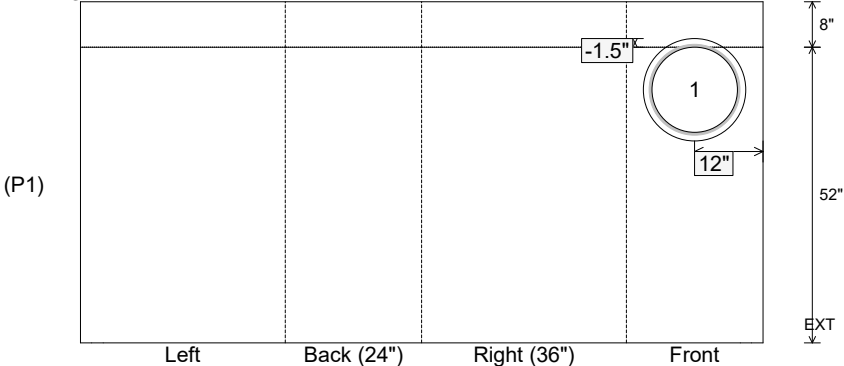


UPSIDE-DOWN VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

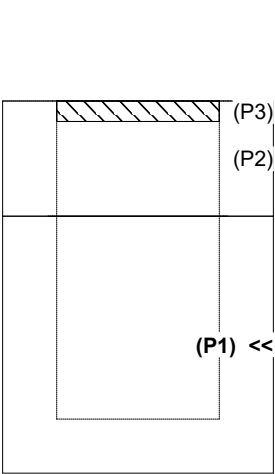
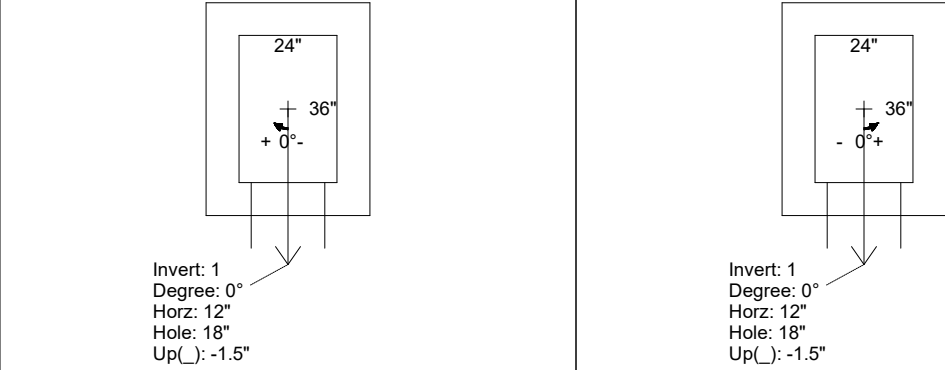
Floor Height: 8"

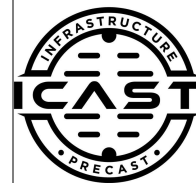
Height (Int): 52"

Height (Ext): 60"

Weight (Net): 6531 lb

Volume (Net): 1.67cu.yd

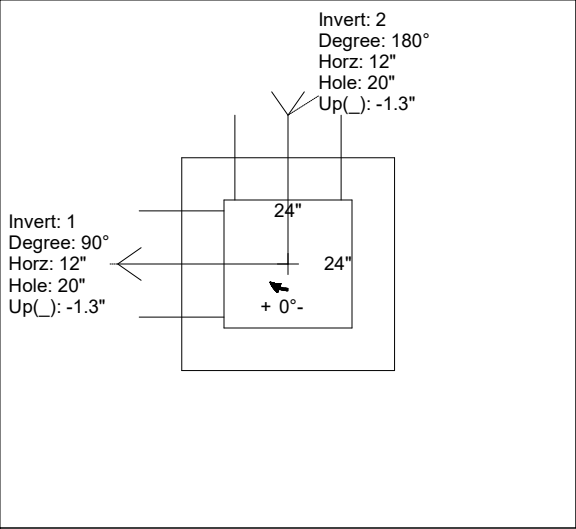
Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:23 AM		Tech: J. Coppage PC: T. Ryan				
Structure ID: 5074+83 RT CBBI-MOD B1											
P1		BX2436-08BA30		BOX BASE 8inW, 8inF							
P3) 24" x 120" - CASTING (cast in) - 3" P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17" P1) 24" x 36" - BOX BASE 8inW, 8inF - 30" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 18						0 lb 4000 lb 4287 lb 0 lb 0 lb ----- 8287 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.			
Rim: 574.68' Rim to Invert: 4.3' Slack: 4.6" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	570.38'	0°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	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): 30" Height (Ext): 38"		Weight (Net): 4287 lb Volume (Net): 1.1cu.yd		



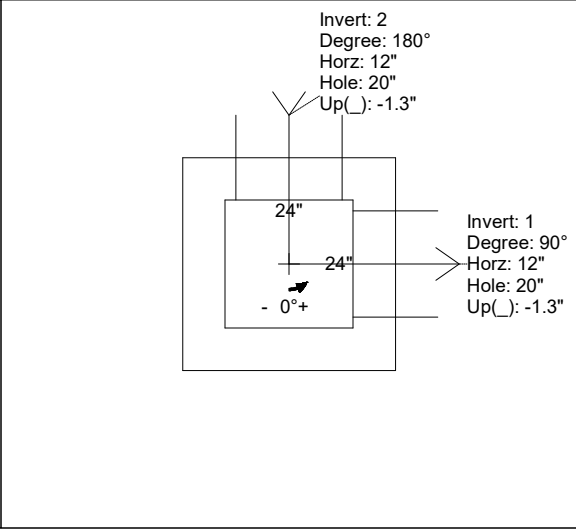
Weight (Net): 7572 lb
Volume (Net): 1.93cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:37 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 254 (430+25 LT)											
P1		BX2424-08BAVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P3) CASTING (cast in) - 0 P2) 24" x 24" - BX FLAT LID 8inW SPEC. (KY JB-B1) F/F - 8" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 44" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 20						0 lb 770 lb 4433 lb 206 lb 0 lb 0 lb ----- 5409 lb		Structure Notes: **KYTC STATE PROJECT** 1. KYTC JUNCTION BOX B1 / PER ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. TOP SLAB w KYTC TYPE 1 F/C CAST FLUSH. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 542' Rim to Invert: 4.34' Slack: 0.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	537.66'	90°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 2	537.66'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

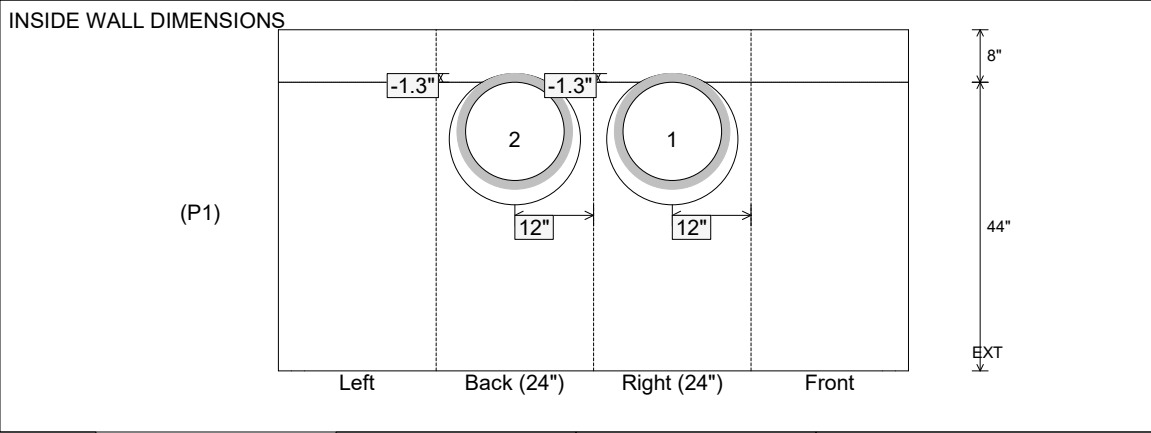
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

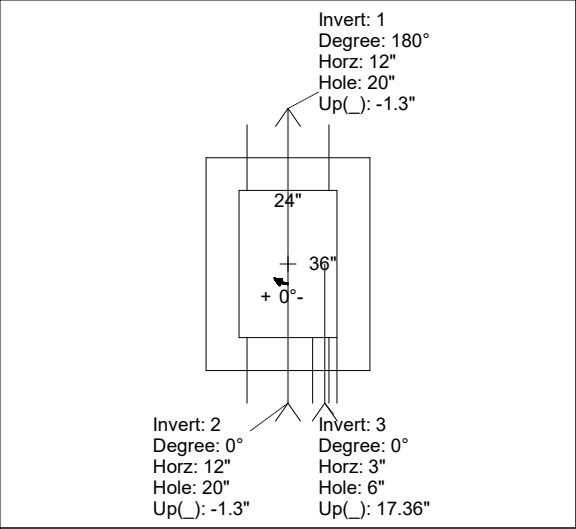


INSIDE WALL DIMENSIONS

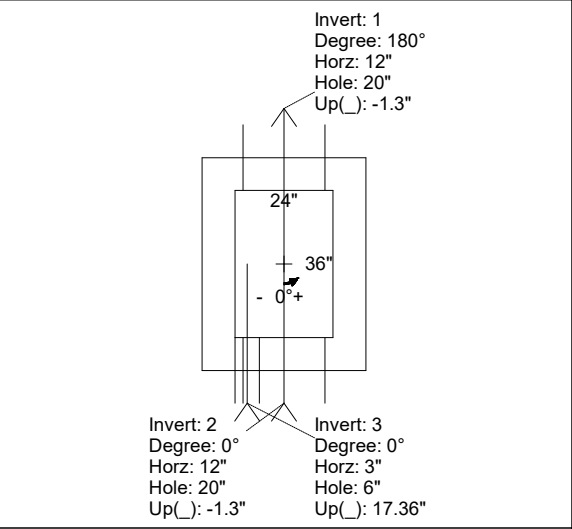


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 44" Height (Ext): 52"	Weight (Net): 4433 lb Volume (Net): 1.13cu.yd
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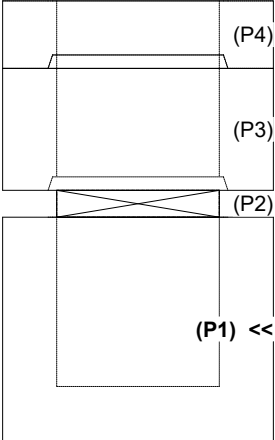
Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:27 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 243 (428+35 LT)											
P1		BX2436-08BVF									
P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P2) 24" x 36" - FIELD ADJUSTMENT - 4" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25" 1) CASTING - HOE KY-206 F/C (KY TY1) 2) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 20 1) Hole - 6						3400 lb 5270 lb 0 lb 3540 lb 206 lb 0 lb 0 lb 0 lb ----- 12415 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PI AT 28 DAYS. 3. NO INVERT CHANNEL. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 541.57' Rim to Invert: 4.75' Slack: 0" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	536.82'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 2	536.82'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 3	538.3'	0°	11"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	17.36"	-9"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

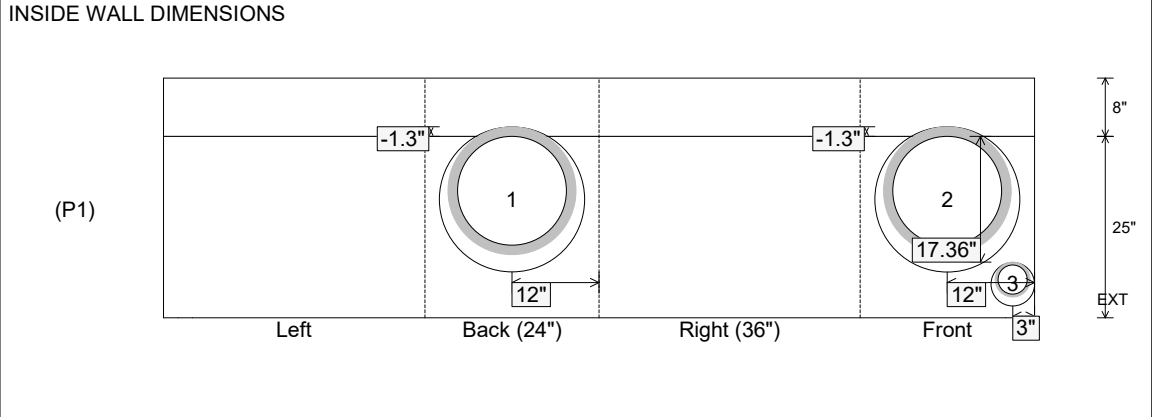


UPSIDE-DOWN VIEW (int. dimensions)



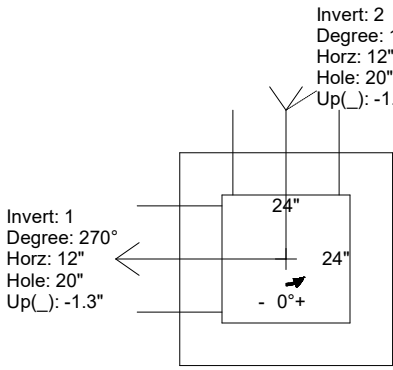
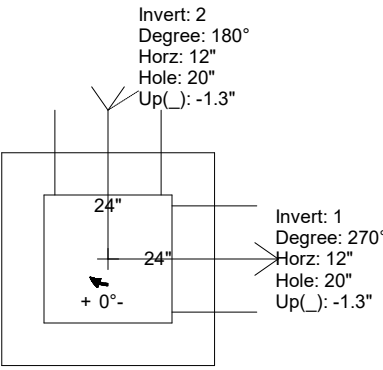
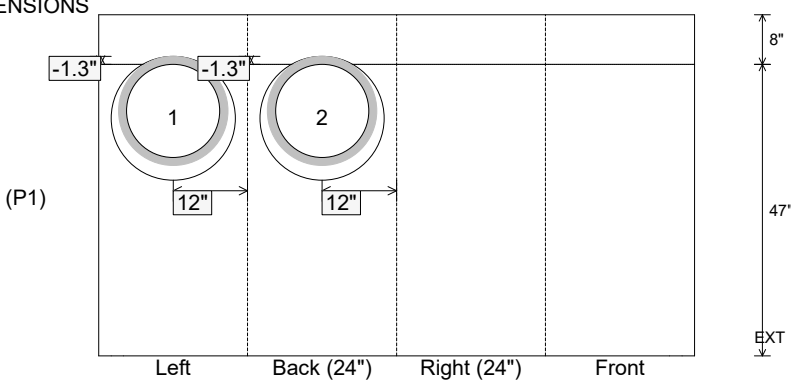
(P1) <<

INSIDE WALL DIMENSIONS

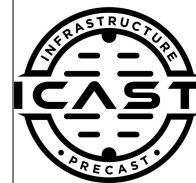


(P1)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 3540 lb Volume (Net): 0.9cu.yd
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Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:26 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 242 (427+72 LT)											
P1 BX2424-08BAVF BOX BASE 8inW, 8inF, Variable Ht F/n											
P3) CASTING (cast in) - 0 P2) 24" x 24" - BX FLAT LID 8inW SPEC. (KY JB-B1) F/F - 8" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 47" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 20 Structure Total: 5667 lb						Structure Notes: . **KYTC STATE PROJECT** 1. KYTC JUNCTION BOX B1 / PER ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. TOP SLAB w KYTC TYPE 1 F/C CAST FLUSH. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 542' Rim to Invert: 4.59' Slack: 0.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	537.41'	270°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 2	537.41'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. 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): 4691 lb Volume (Net): 1.2cu.yd		

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:21 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 237 (426+55 RT)											
P1		BX3648-08BAVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P5) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P4) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P3) 24" x 36" - FIELD ADJUSTMENT - 2" P2) 36" x 48" - CB FT REDUCER 24"x36" HOLE T/F - 8" P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 40" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 36" x 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 38 1) Hole - 30 1) Hole - 26 1) Hole - 6					3400 lb 5270 lb 0 lb 1654 lb 5970 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 16500 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HOE KY-206 F/C CAST INTO TOP SLAB. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W (DBL MAT) - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 543.58' Rim to Invert: 6.51' Slack: 0.12" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	537.07'	270°	32"	30" HDPE	35.1"	Hole 38	38"	38"	-2.55"	0"	
Invert 2	537.57'	90°	32"	24" HDPE	27.8"	Hole 30	30"	30"	4.1"	0"	
Invert 3	538.07'	200°	27.005"	18" RCP B WALL	23"	Hole 26	26"	27.669"	9.5"	-10"	
Invert 4	539.515'	90°	50"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	28.94"	18"	
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): 40" Height (Ext): 48" Weight (Net): 5970 lb Volume (Net): 1.52cu.yd											



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 54" Height (Ext): 62"	Weight (Net): 6701 lb Volume (Net): 1.71cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:29:14 PM

Tech: Jared - A

PC: J. Jarvis

Structure ID: 477

P1 BX24300808VF

BOX BASE 8inW, 8inF, Variable Ht

P3) 15" x 27" - P.I.P. - BY OTHERS - 8"

P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"

P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 44"

1) CASTING - HOE KY-230-G F/G (GRADE)

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

1) 15" x 27" - Conseal CS-102 1.00"

1) Hole - 24

2) Hole - 4

0 lb

963 lb

5050 lb

237 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 6250 lb

Structure Notes:

KYTC STATE PROJECT

PLAN LABEL: 477

1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.

2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB

(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE

Rim: 890.77' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	885.77'	270°	23"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	888.57'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	33.6"	0"
Invert 3	888.57'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	33.6"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P3)

(P2)

(P1) <<

Invert: 2
Degree: 90°
Horz: 15"
Hole: 4"
Up(): 33.6"

24"

30"

+ 0°-

Invert: 1
Degree: 270°
Horz: 15"
Hole: 24"
Up(): -3"

Invert: 3
Degree: 270°
Horz: 15"
Hole: 4"
Up(): 33.6"

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 3
Degree: 270°
Horz: 15"
Hole: 4"
Up(): 33.6"

24"

30"

- 0°+

Invert: 1
Degree: 270°
Horz: 15"
Hole: 24"
Up(): -3"

Invert: 2
Degree: 90°
Horz: 15"
Hole: 4"
Up(): 33.6"

INSIDE WALL DIMENSIONS

(P1)

1

15"

33.6"

15"

3

15"

Left

Back (24")

Right (30")

Front

8"

44"

EXT

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): 5050 lb

Volume (Net): 1.29cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures
Job Location: Bowling Green, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

Tech: S. Felletter

8/11/2026 3:45:04 PM

PC: M. Sullivan



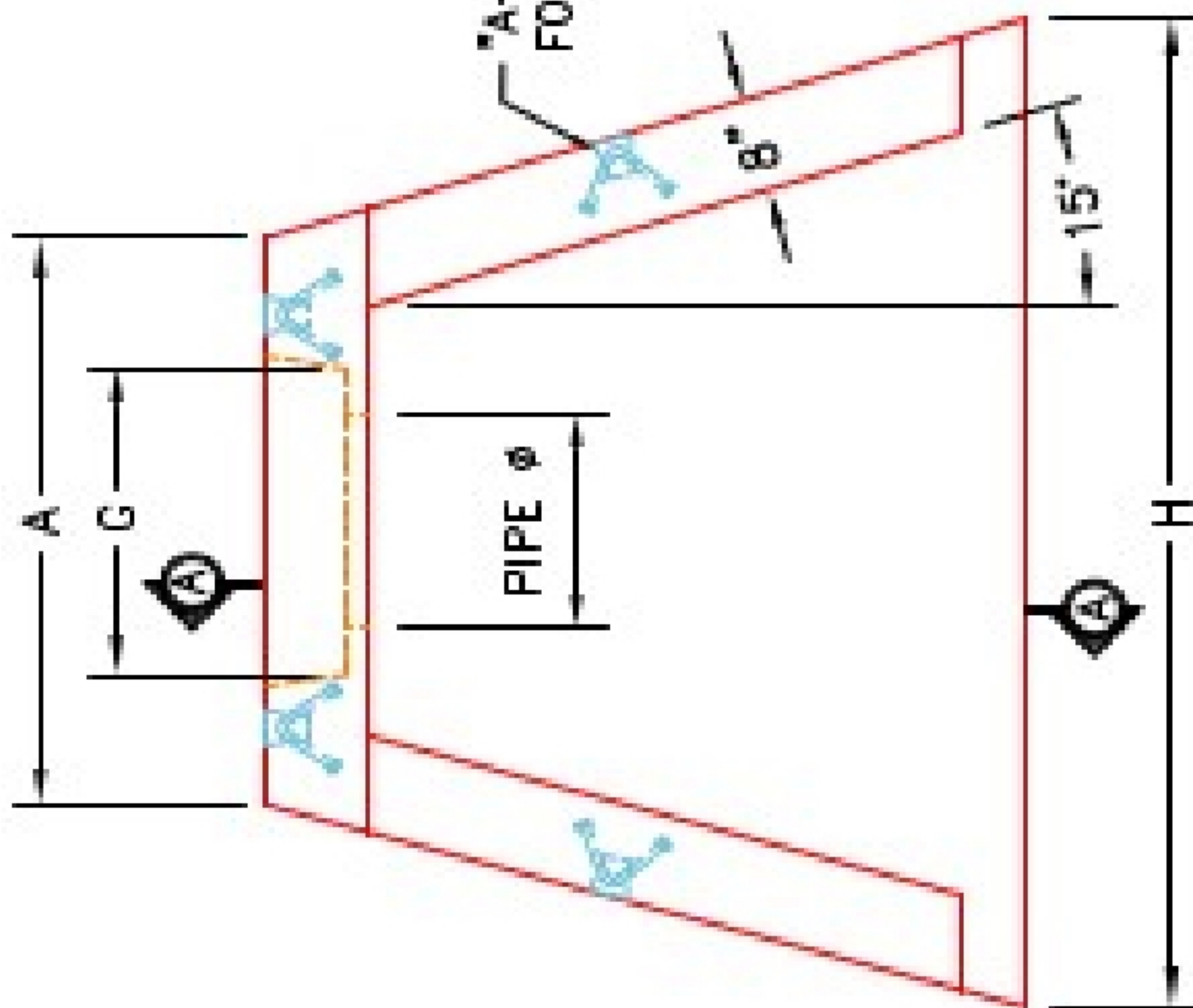
Structure ID: HDW 2

P1 HWSF24F

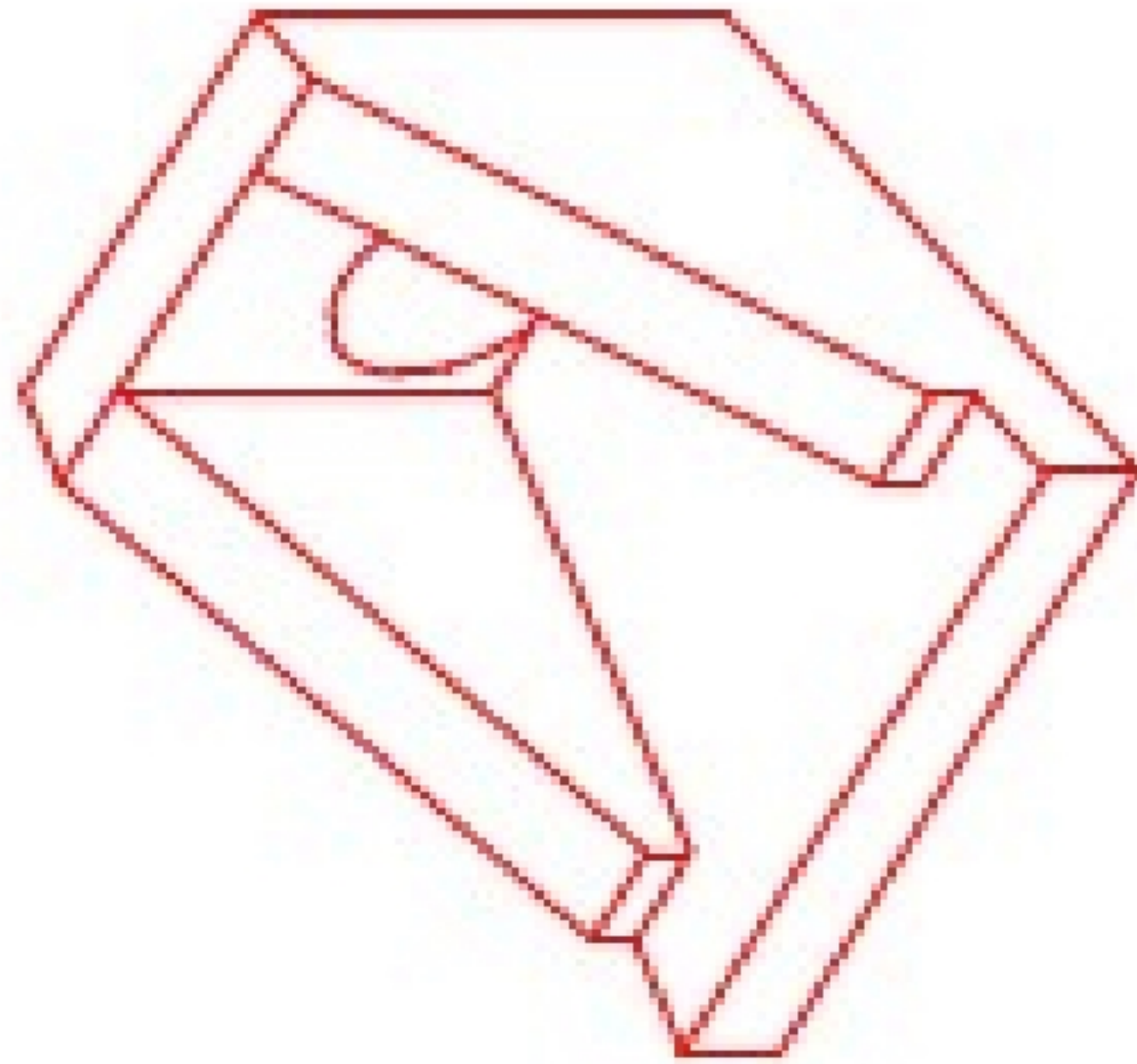
24" - HW SLOPED & FLARED w/FLAT BOTTOM F/F

DIMENSIONS									
PPE Ø	A	B	C	D	E	F	G	H	WEIGHT
24"	3'-6"	4'-4"	2'-10"	8"	5'-0"	4"	2'-10"	6'-0"	3,711 LBS.

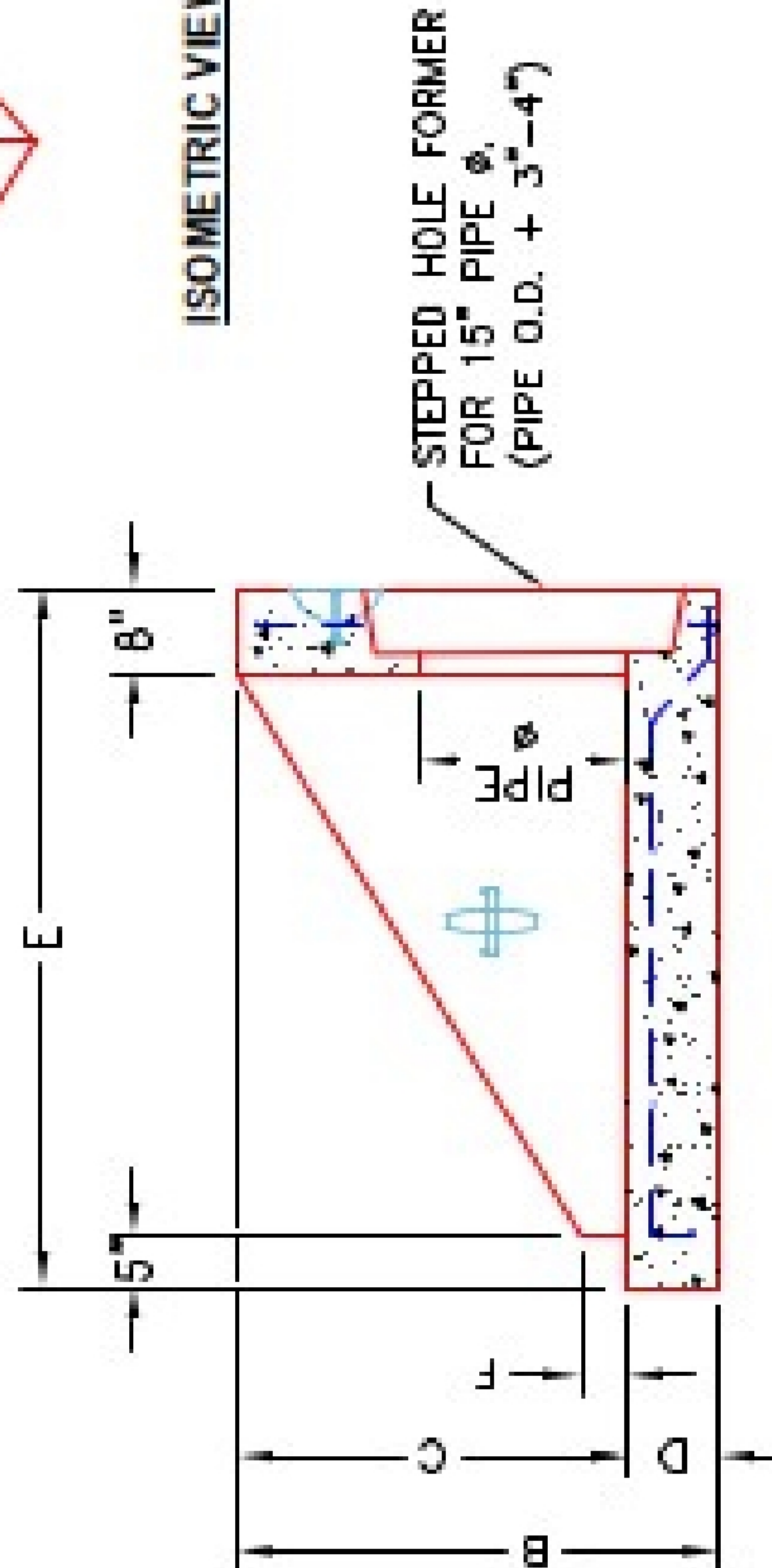
"A"-ANCHOR LIFTING SYSTEM
FOR PLANT & FIELD HANDLING.



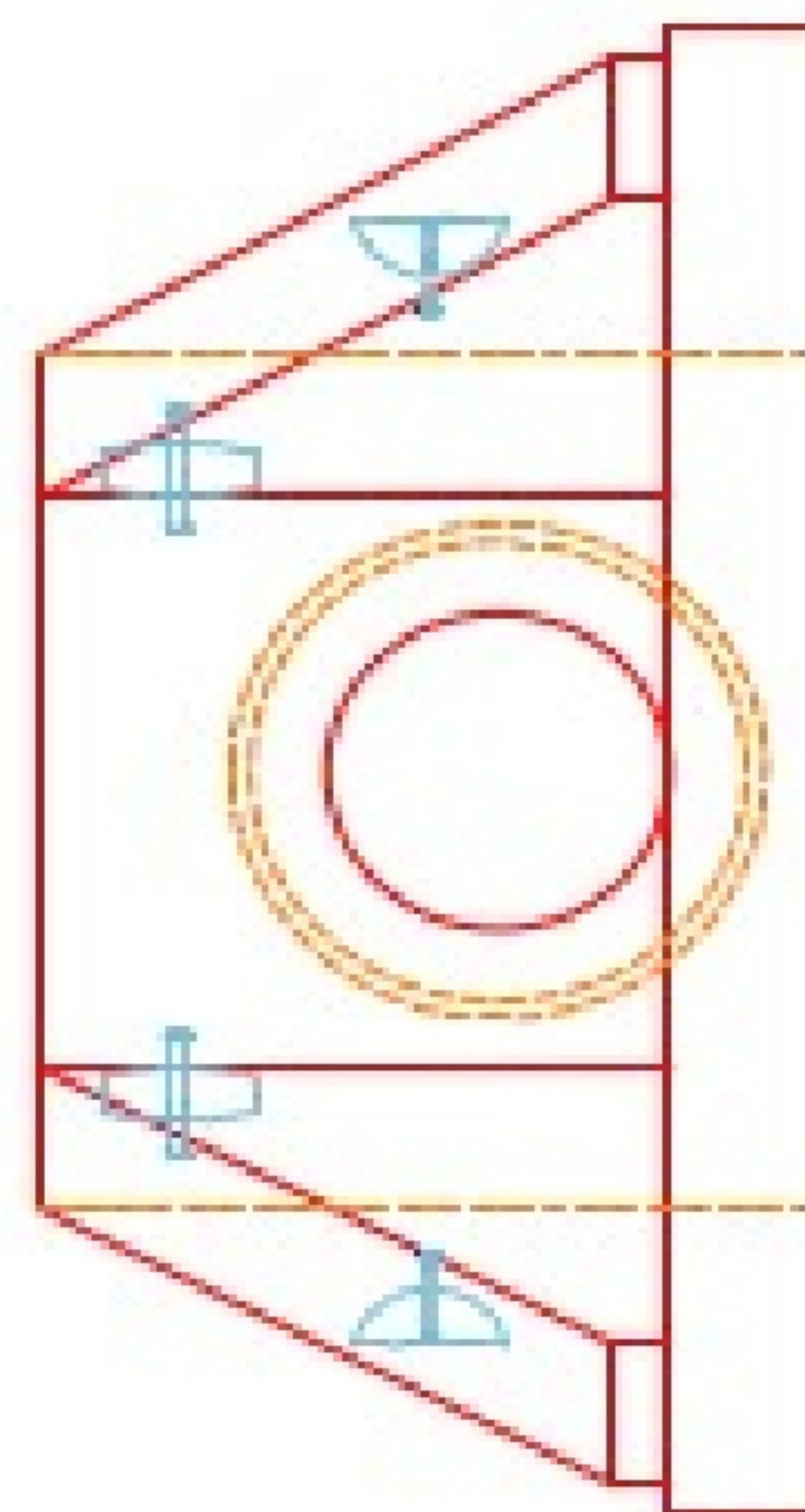
PLAN VIEW



ISOMETRIC VIEW



SECTION A-A



FRONT ELEVATION

NOTES:

1. CONCRETE: KYTC APPROVED.
2. REINFORCING: #4 BAR @ 12" C/C E.W.-GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH KYTC APPROVED NON-SHRINK GROUT.
5. DRAWING TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWING RDH-020-03 AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. 3/4" CHAMFER ON ALL EXPOSED EDGES.
7. PREFORMED STEPPED HOLE SIZED AS PER O.D. OF PIPE + 3"-4".



INFRASTRUCTURE PRECAST, INC.
981 WEST 7TH ST., BEAVER DAM, KY 40006
PHONE: (270) 363-2288 FAX: (270) 368-7624

KYTC 24" SLOPED & FLARED HEADWALL
W/ FLAT BOTTOM

DESIGNED BY: J. H. HATCH	DATE: 8-23-25
REVIEWED BY: J. H. HATCH	DATE: 8-23-25
SCALE: HTS	

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:28:40 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 5074+83 RT CBBI-MOD B1

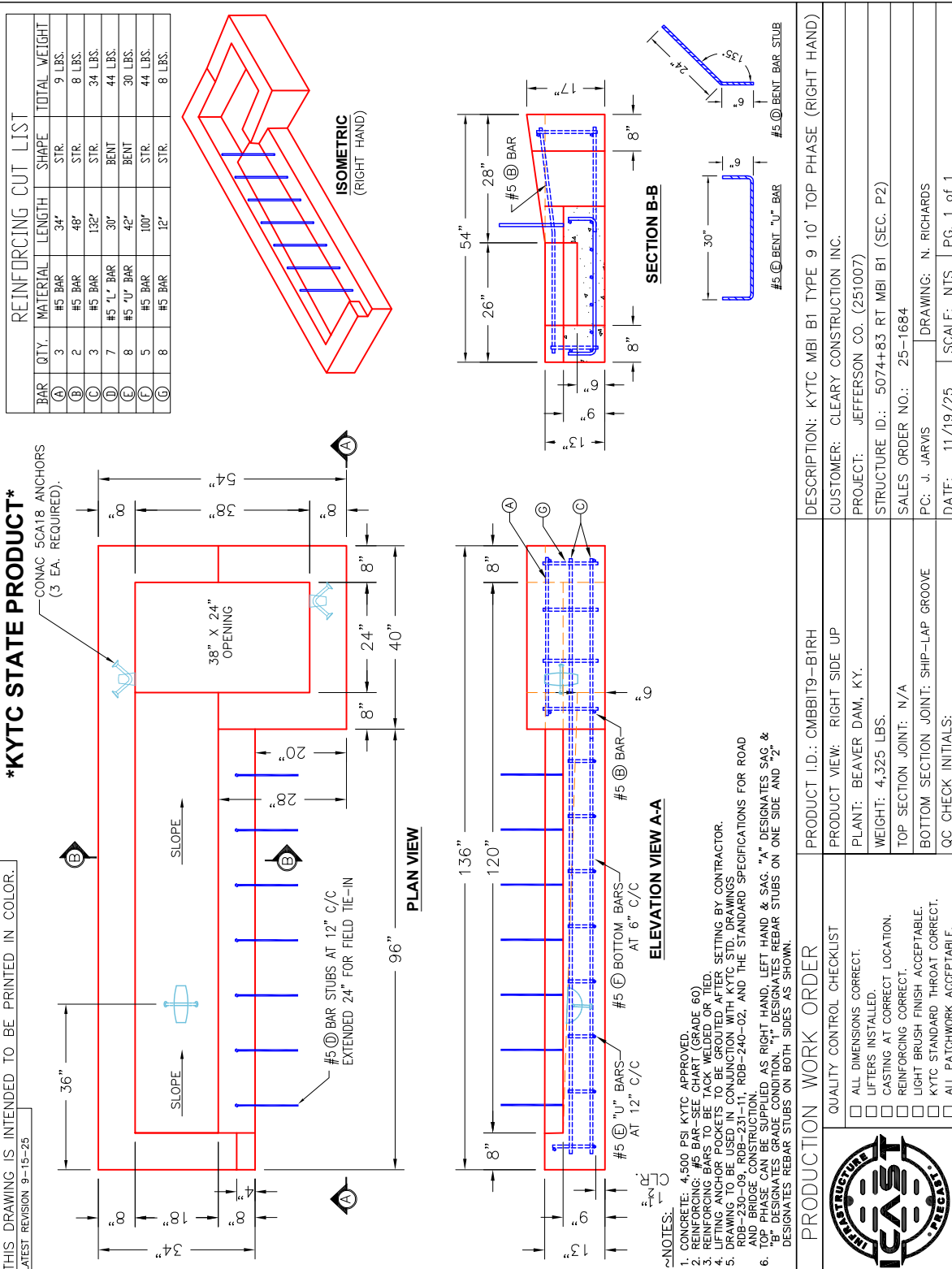
P2 CMBBIT9-B1RH

CB MED BAR BOX INLET 9B1 RH

- P3) 24" x 120" - CASTING (cast in) - 3"
P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17"
P1) 24" x 36" - BOX BASE 8inW, 8inF - 30"
1) 24" x 36" - Con seal CS-102 1.00"
1) Hole - 18

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.

Structure Total: 8287 lb



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 17"

Weight (Net): 4000 lb
Volume (Net): 0cu.yd

Arcadia™ Hydrodynamic Separator Installation Guide

AR10 Specific instructions

Concrete Manhole Installation

This installation guide is a reference for installing the Arcadia Water Quality unit into a precast concrete structure. These directions assume the manhole base and riser have been assembled, and that the top slab has not been set.

Note: Do not insert the inlet or outlet pipes until after the Arcadia internals have been installed. All pipes should sit flush inside the manhole. If pipes must be inserted in advance, the pipes should not protrude into the structure as they can interfere with installation of the Arcadia Internals.

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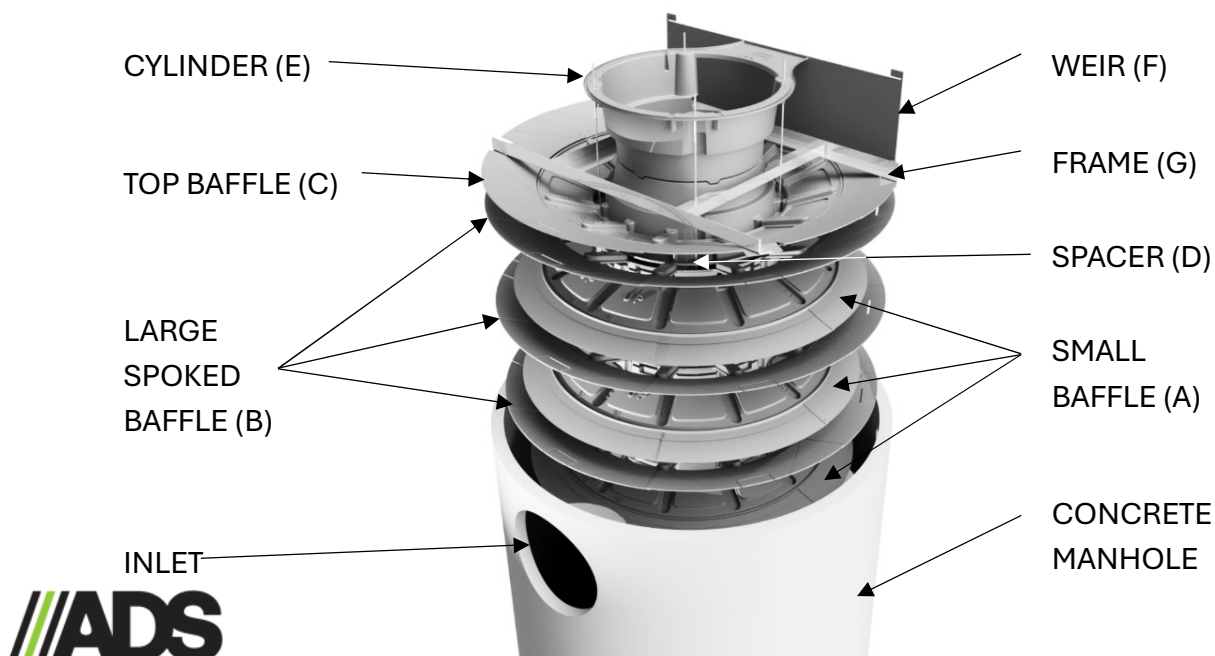
Section 3A: Rigging and Safety Methods

Section 3B: Assembling Internals

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Section 1: Internal Components, Hardware and Tools



SMALL BAFFLE (A)
Qty:3



LARGE SPOKED BAFFLE (B)
Qty: 3



TOP BAFFLE (C)
Qty: 1



SPACER (D)
Qty: 1



CYLINDER (E) Qty: 1



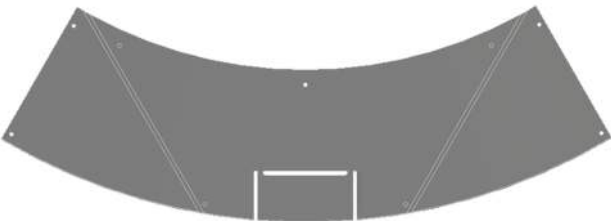
WEIR (F) Qty: 1



FRAME (G) Qty: 1



10" wide plate QTY: 18



16" wide plate QTY: 23

Note: To separate baffles in shipping stack, pull from center of each baffle.

Hardware Provided by ADS



Threaded Rod
(4 long and 4 short) Qty: 8



Washers
Qty: 12



Nuts
Qty: 12



Threaded Coupling
Qty: 4



Screws



Bolts for Frame Assembly



Rod Caps
Qty:4



Threadlocker Capsules
Qty: 2



Bolts for plates And baffles
Qty: 130



Nuts
Qty: 130



Washers
Qty: 260



All-Thread Alignment Tool
QTY:2

Please set aside the following items that will later be delivered to the jobsite along with the assembled Arcadia Unit.

- Small Hardware package marked “Arcadia Installation, For Jobsite Contractor (Not for Precaster).”
- Conseal Roll(s).
- Copy of the Installation Guide

Other Tools Needed

- $\frac{9}{16}$ ” (14.28 mm) or $\frac{3}{4}$ ” (19.05 mm) Hand Wrench, depending on model size
- 7/16” wrench and socket
- Phillips screwdriver or screw gun with Phillips bit
- Drill and $\frac{5}{16}$ ”, and $\frac{1}{2}$ ” drill bit
- 14 long lifting straps, guy ropes, or any appropriate lifting equipment

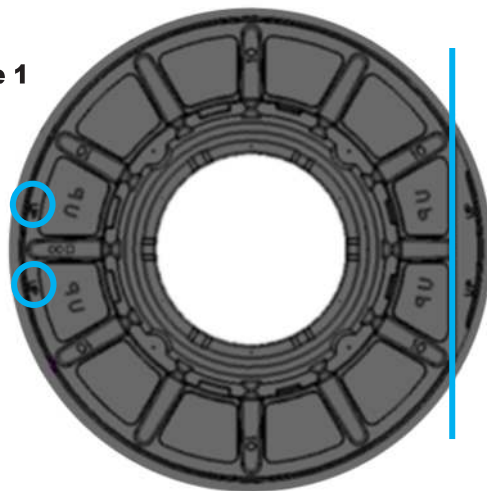
Section 2: Baffle Pre-Assembly

2A: Small Baffle (A)

1. Place small baffle on ground with small “UP” (circled) letters reading correctly (Figure 1). Note the location of the weir slot (line). You will need to assemble 3 of these baffles.

Note: Ignore backwards “UP” on these baffles at this time.

Figure 1



2. Get one of the small plates (Figure 2) (10” wide, no flap cutout). The hole numbers in Figure 2 will be referred to in the following steps.

Note: Ignore backwards “UP” on these baffles at this time.

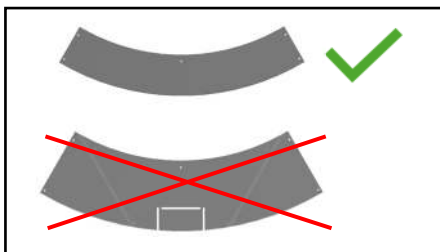


Figure 2

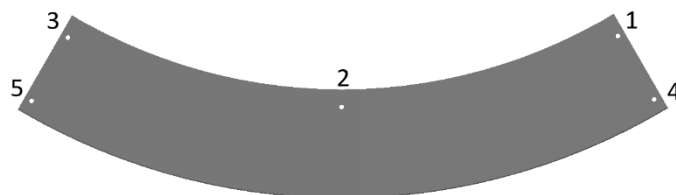
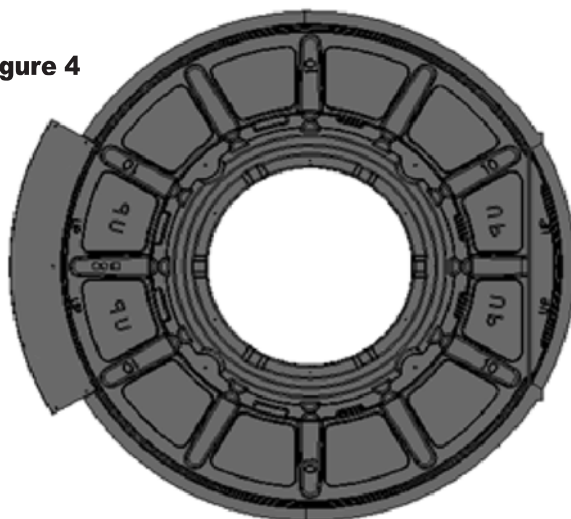


Figure 3



3. Starting opposite the weir slot, place the small plate in the recessed area. There is a registration mark (circled) on the baffle to help you align the center. It is near the manufactured date wheels on the part. Align Hole 2 with the registration mark (Figure 3).

Figure 4



4. The entire plate should be centered in the recessed portion of the baffle. Push and bend the plate to match the baffle edge. (Figure 4)

5. Drill the 2 hole locations as shown (Figure 5).
 1. Start with hole 2. Use a $\frac{5}{16}$ " drill to drill hole through baffle, using plate as a guide.
 2. Bolt with $\frac{1}{4}$ " x 1.5" bolt, washers, and nut.
 3. Flex plate to match the radius of the baffle.
 4. Drill hole at location 3. **Do not** bolt yet.

Figure 5

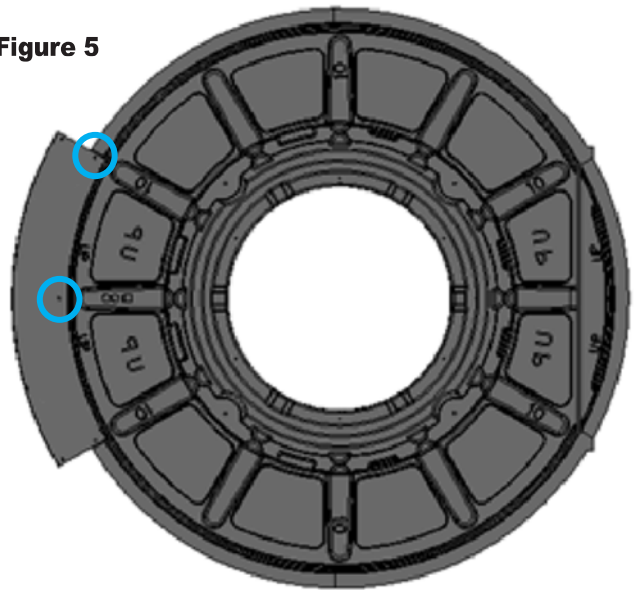


Figure 6

6. Add a second plate. The second plate will overlap **on top** of the first plate. Line up plates and bolt holes 5 (of plate 1) & 4 (of plate 2) together, as shown (Figure 6). Bolt holes 3 (of plate 1) & 1 (of plate 2) and the baffle together.

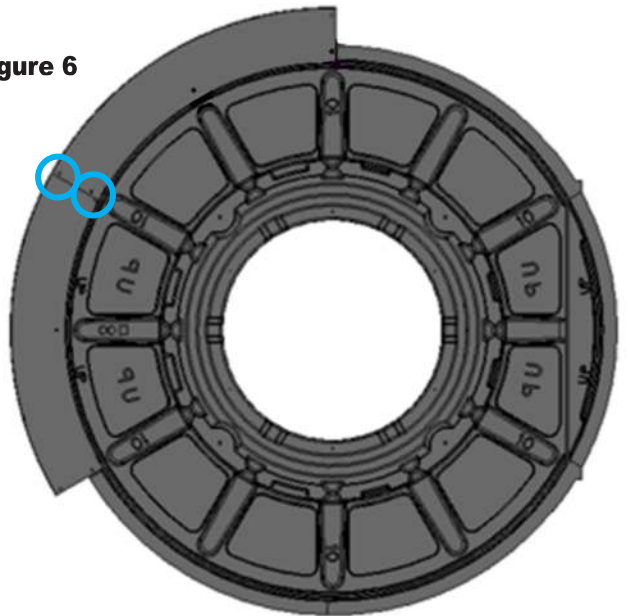
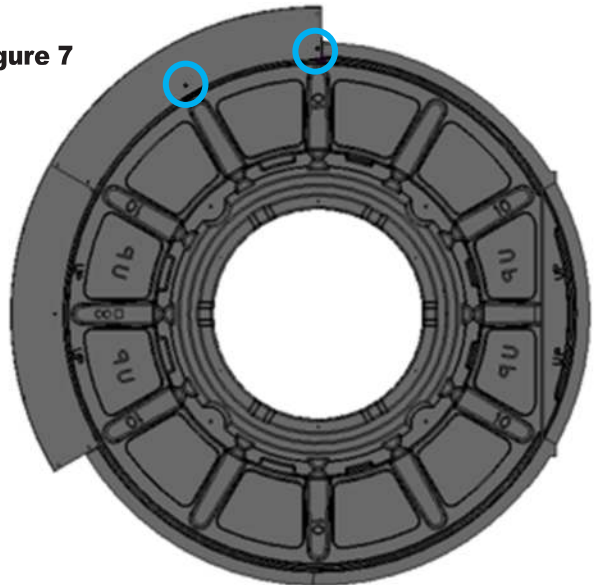


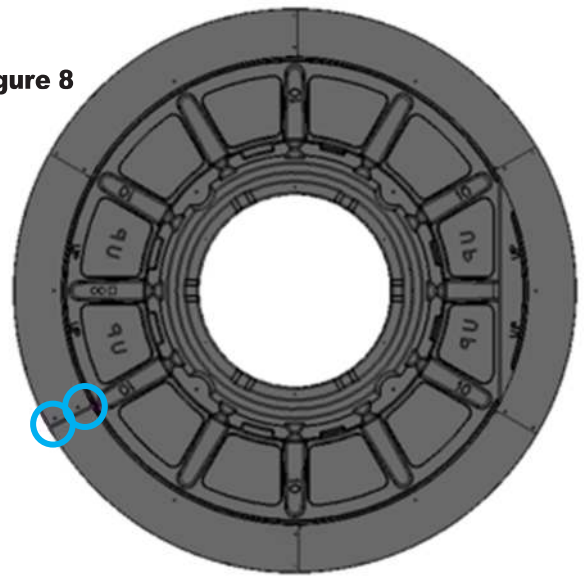
Figure 7

7. Drill holes 2 & 3 on the second plate. Bolt hole 2. (Figure 7)



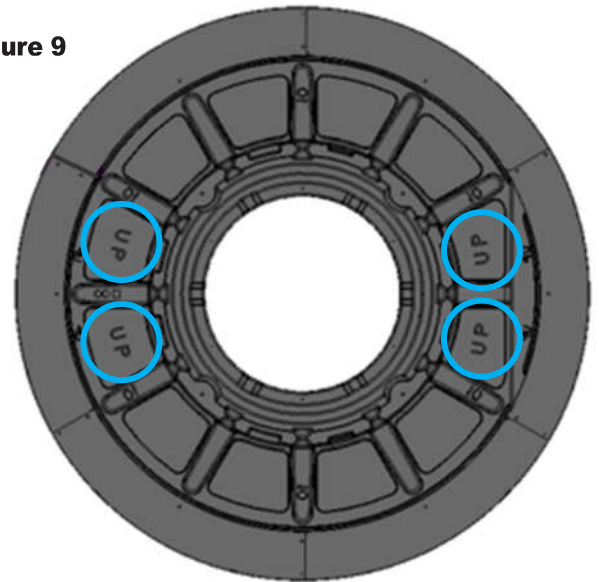
8. The third plate slides under the second plate. Continue the pattern all the way around the baffle. Bolt the plates and baffle together until it is one complete piece (Figure 8). When you get to bolting the last plate in place, align holes 3 and 5 of the last plate with holes 1 and 4 of the first plate. If the final alignment is not perfect, you may run the drill through the holes to finish installing these last two bolts.

Figure 8



9. This baffle is now done. It must be flipped over so that the large “UP” (Figure 9, circled) is now reading correctly. With a second person, grab, lift, and flip the baffle assembly.

Figure 9



10. The assembly of the Arcadia unit can begin as soon as the first baffle is complete. Skip to **SECTION 3 STEP 1** to begin assembly.

2B: Large Spoked Baffle (B)

1. Place a Large Spoked Baffle (B) on the ground with small "UP" (circled) letters reading correctly (Figure 10). Note the location of the weir slot (line). You will need to assemble 3 of these baffles.

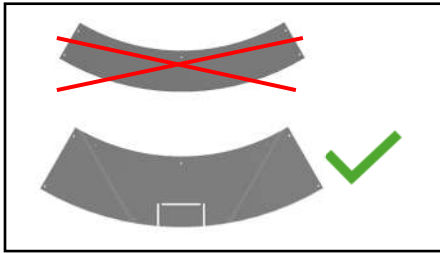
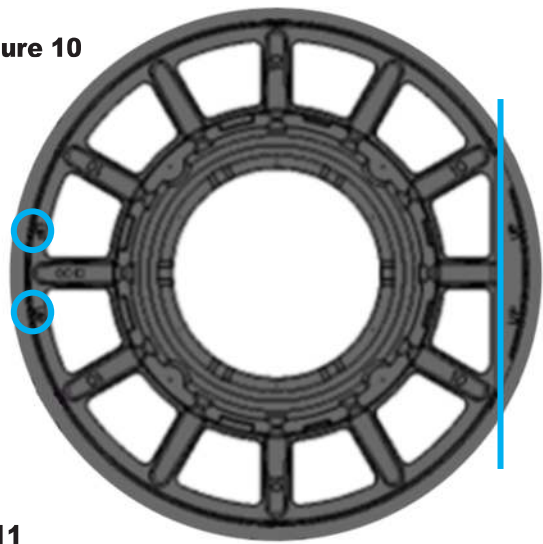


Figure 10



2. Get one of the large plates (Figure 11) (16" wide, with flap cutout). The hole numbers in Figure 11 will be referred to in the following
3. Starting opposite the weir slot, place the large plate in the recessed area. There is a registration mark, similar to the one shown in Figure 3, on the baffle to help you align the center. It is near the manufactured date wheels on the part. Hole 2 aligns with the registration mark. The entire plate should be centered in the recessed portion of the baffle. Push and bend plate to match the baffle edge.
4. Drill the 2 holes as shown (Figure 12).
 - a. Start with hole 2. Use $\frac{5}{16}$ " drill to drill hole through baffle, using plate as a guide.
 - b. Bolt with $\frac{1}{4}$ " x 1.5" bolt, washers, and nut.
 - c. Flex plate to match the radius of the baffle.
 - d. Drill hole at location 3. **Do not** bolt yet.
5. Add a second plate. The second plate will overlap **on top** of the first plate. Line up plates and bolt holes 5 (of plate 1) & 4 (of plate 2) together, as shown (Figure 13). Bolt holes 3 (of plate 1) & 1 (of plate 2) and the baffle together.

Figure 11

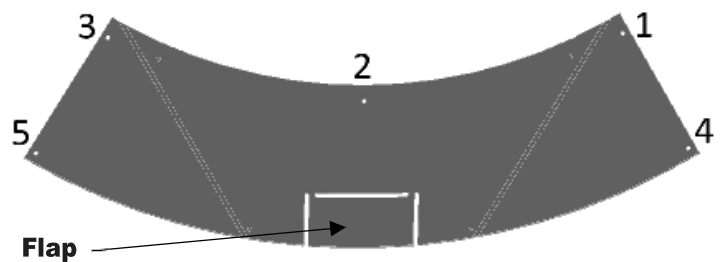


Figure 12

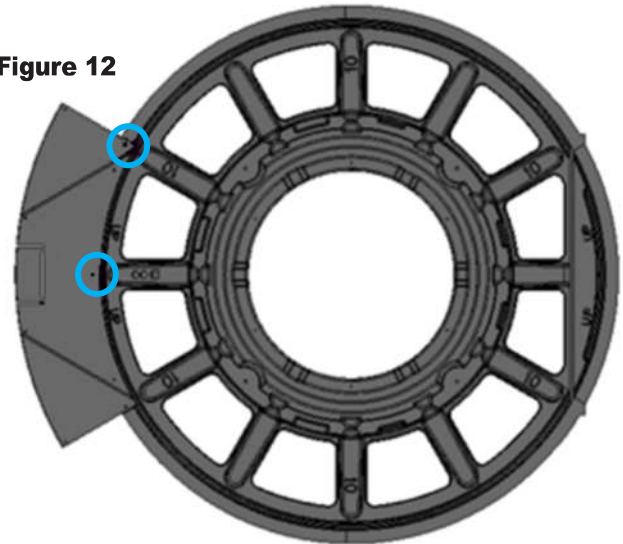
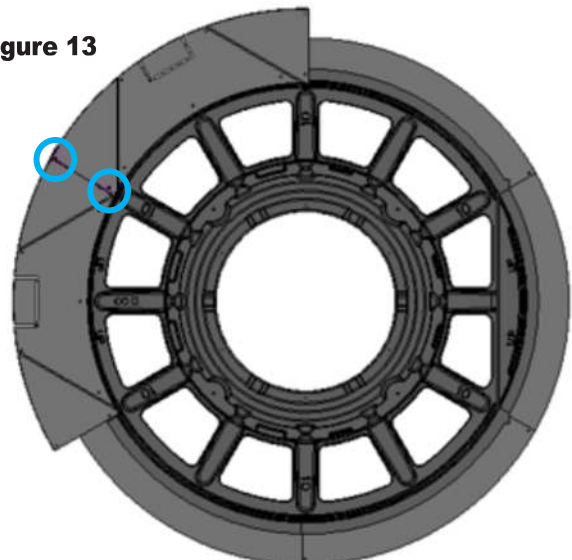


Figure 13



6. Drill hole 2 & 3 on the second plate. Bolt hole 2.
7. The third plate slides **under** the second plate. Continue the pattern all the way around the baffle. Bolt the Plates and Baffle together until it is one complete piece (Figure 14). When you get to bolting the last plate in place, align holes 3 and 5 of the last plate with holes 1 and 4 of the first plate. If the final alignment is not perfect, you may run the drill through the holes to finish installing these last two bolts.
8. This baffle is now done. It does NOT need to be flipped over; it is already facing up. The assembly of the Arcadia unit can continue as each baffle is completed. Skip to SECTION2 STEP 5 to continue assembly.

Figure 14

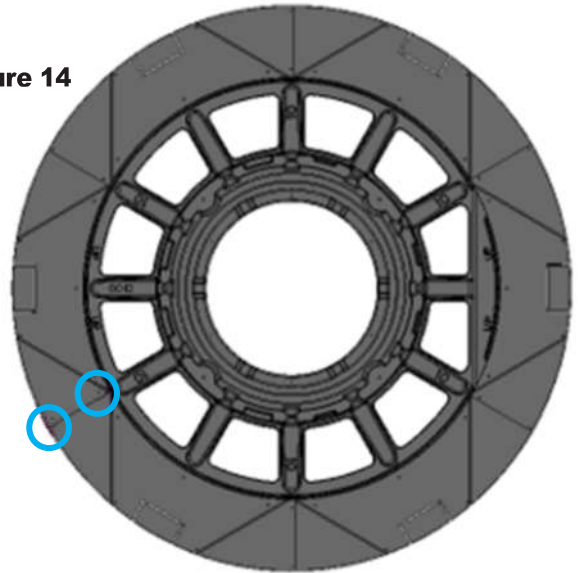
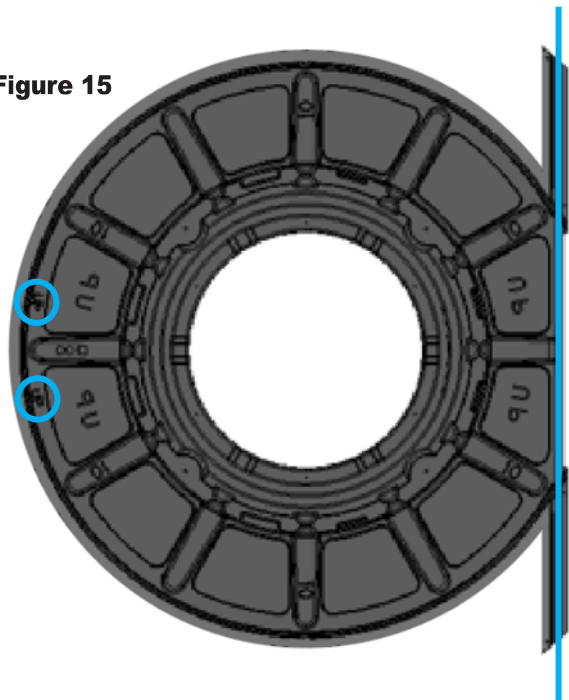


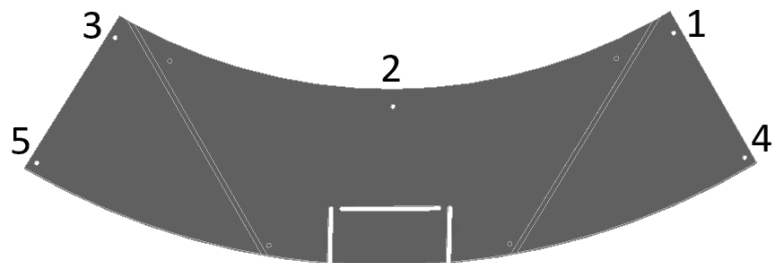
Figure 15



2C: Top Baffle (C)

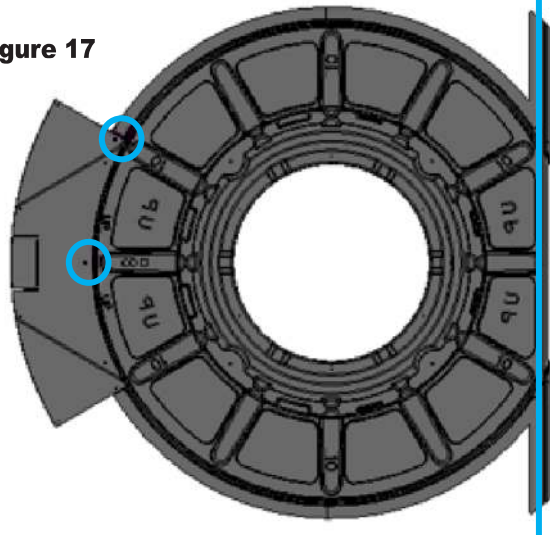
1. Place Top Baffle (C) on ground with small “UP” (circled) letters reading correctly (Figure15). Note the location of the weir slot (line). You will need to assemble 1 of these baffles.
2. Get one of the large plates (Figure 16) (16” wide, flap cutout). The hole numbers in Figure 16 will be referred to in the following steps.

Figure 16



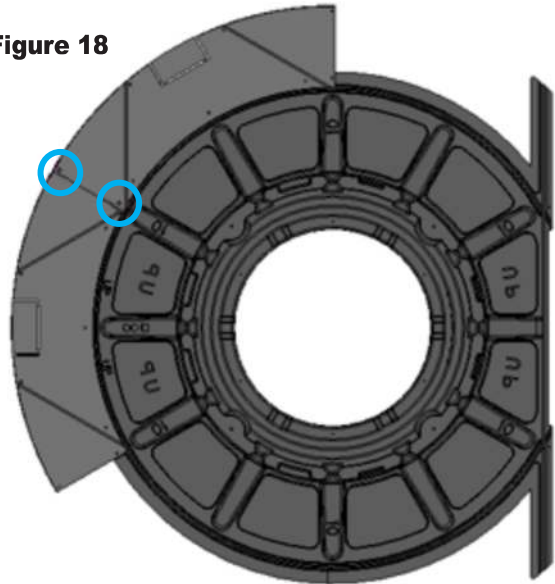
3. Starting opposite the weir slot, place the large plate in the recessed area. There is a registration mark, similar to the one shown in Figure 3, on the baffle to help you align the center. It is near the manufactured date wheels on the part. Hole 2 aligns with the registration mark. The entire plate should be roughly centered in the recessed portion of the baffle. Push and bend plate to match the baffle edge.

Figure 17



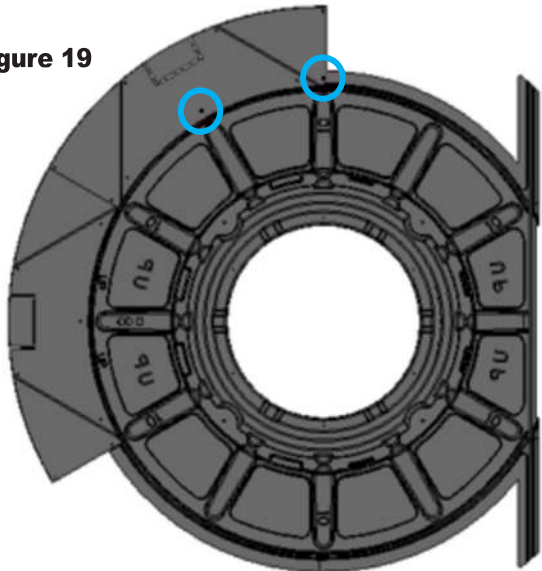
4. Drill the 2 holes as shown (Figure 17).
 - a. Start with hole 2. Use $\frac{5}{16}$ " drill to drill hole through baffle, using plate as a guide.
 - b. Bolt with $\frac{1}{4}$ " x 1.5" bolt, washers, and nut.
 - c. Flex plate to match the radius of the baffle.
 - d. Drill hole at location 3. **Do not** bolt yet.

Figure 18



5. Add a second plate. The second plate will overlap **on top** of the first plate. Line up plates and bolt holes 5 (of plate 1) & 4 (of plate 2) together as shown (Figure 18). Bolt holes 3 (of plate 1) & 1 (of plate 2) and the baffle together.

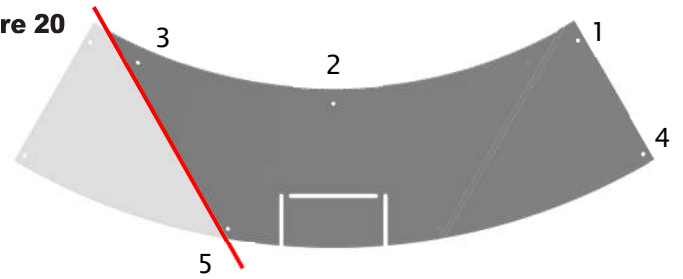
Figure 19



6. Drill hole 2 & 3 on the second plate. Bolt hole 2. (Figure 19)

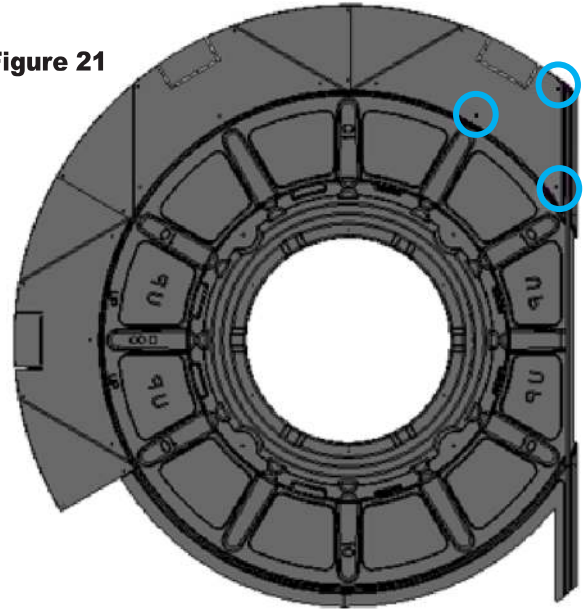
7. Cut a large plate on the pre-marked line as shown (Figure 20). Use the hole number guide in Figure 20 for this part. Note: Holes 3 and 5 are in a different location compared to the uncut plate.

Figure 20



8. The third plate slides under the second plate. Line up plates and bolt holes 5 (of plate 2) & 4 (of plate 3) together as shown (Figure 21). Bolt holes 3 (of plate 2) & 1 (of plate 3) and the baffle together.

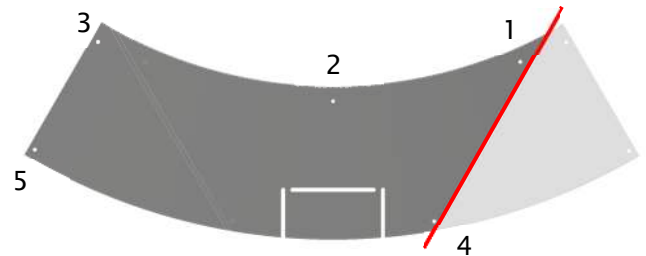
Figure 21



9. Push this third plate into position. Drill and bolt holes 2, 3 & 5 to the baffle (Figure 21). Bolt positions 3 & 5 are pre-marked, but not pre-drilled.

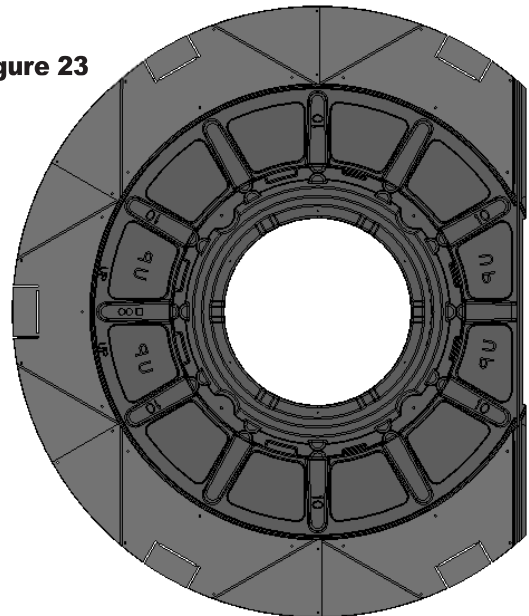
10. Cut a large plate on the pre-marked line as shown (Figure 22). Use this hole number guide for this part. Note: Holes 1 and 4 are in a different location compared to the uncut plate.

Figure 22



11. Add the last 2 plates in the same manner as steps 5,6, and 8. The final assembly will appear as shown (Figure 23).

Figure 23



12. The Top Baffle (C) is now complete. It does **NOT** need to be flipped over; it is already facing up. The assembly of the Arcadia unit can continue as each baffle is completed.

Section 3: Assembling Internal Components

3A: Rigging and Safety Methods:

1. Small Baffle (A)
 - a. Use minimum 14' long straps passed through the center hole and around the baffle edges. (Figure 24)
 - b. Alternately pass lifting straps between plates and baffle, leaving two bolts between pass-through locations. (Figure 25, 26)
 - c. Guy ropes or more straps may be needed to keep baffle horizontal while lifting.
2. Possible rigging method for Large Spoked Baffle (B) (Figure 27): Rig with lifting straps at least 14' long, looped through the baffle as shown. Guy ropes or more straps may be needed to keep baffle horizontal while lifting.
3. Rigging for TOP BAFFLE (C) is similar to the small baffles.
4. Arcadia All-Thread Alignment Tool (Figure 28). Use this to safely reach and adjust all-thread into the baffle holes as a baffle is lowered into place (see Figure 29). Do not work under suspended loads.

Figure 29

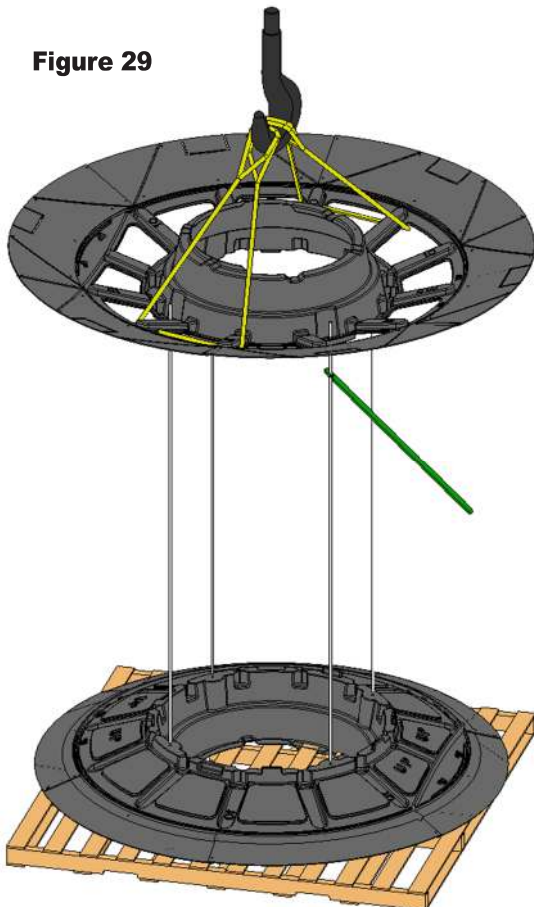


Figure 24

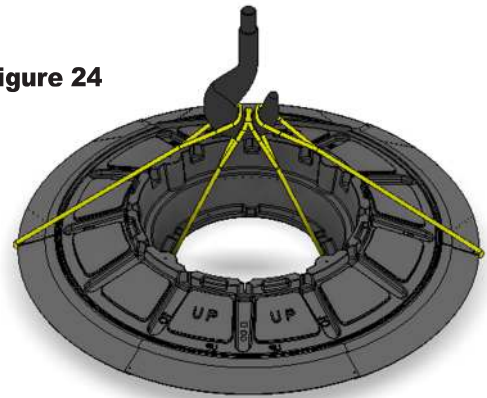


Figure 25



Figure 26



Figure 27

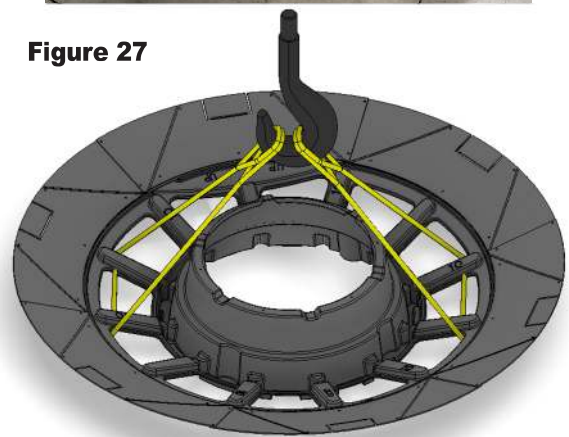
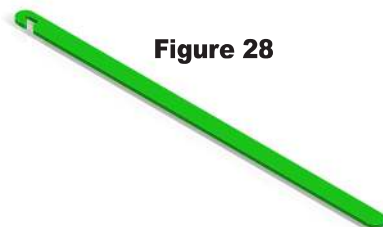


Figure 28



Section 3B: Assembling Internals

*Note: Throughout this procedure, as you stack up the baffles, make sure to align the molded word UP for each layer. For each baffle, UP should be readable and aligned with previous layers shown in **Figure 30**.*

1. Suggested procedure to facilitate assembly:
 - Utilize shipping pallet to support the initial assembly.
 - This step utilizes the Cylinder (E) as a template. Place Cylinder (E) on pallet with flanged side down. Align the 4 holes so they each fall on the wood pallet surface. (see Figure 31).
 - Drill four 1/2" holes into the pallet. Set Cylinder aside for later steps.

Note: Before beginning the next step, note that the correct orientation of the Small Baffle is indicated in Section 2A Step 9 (large "UP" reading correctly).

Figure 9

2. Rotate the first SMALL BAFFLE (A) onto its side and insert the 4 long threaded rods through the holes in the Baffle from the bottom side. The welded washer ends should be down when the baffle is rotated back to its upright orientation.
3. Place this SMALL BAFFLE (A) on the pallet with the molded word "UP" readable and facing upward.
4. Move the threaded rods so the bottom stub drops into the holes in the pallet that were drilled in step 1. This helps keep the threaded rods standing vertically.
5. Rotate one Large Spoked Baffle (B) as needed to ensure the word "UP" is aligned with the Small Baffle (A) as shown in Figure 30. Slide the Large Spoked Baffle (B) down the threaded rods until it rests on the Small Baffle (A) as shown in Figure 33. Each part mates with the previous part in only one orientation.
6. Rotate one Small Baffle (A) as needed to ensure the word "UP" is aligned with the Large Spoked Baffle (B) as shown in Figure 30. Slide the Small Baffle (A) down the threaded rods until it rests on the Large Spoked Baffle (B) as shown in Figure 33.
7. Repeat steps 5, then 6, then 5 again such that one more Small Baffle (A) and two more Large Spoked Baffles (B) have been added. The assembly should now have 6 total Baffles installed as shown in Figure 33.

Figure 30



Figure 31



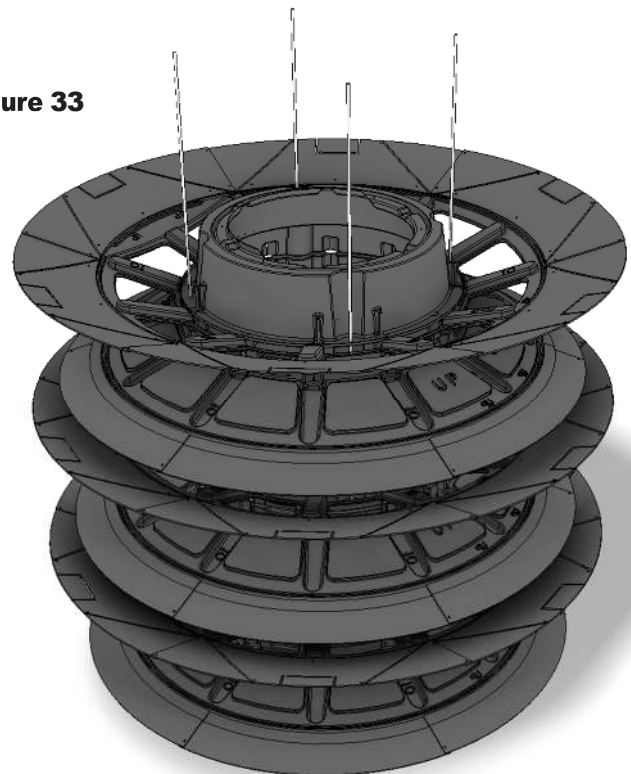
Figure 32



Note: Throughout this procedure, as you stack up the baffles, use the All-Thread Alignment Tool to reach in and align the rod to pass through the baffle holes.

Figure 27.

Figure 33



8. Slide SPACER (D) down the long threaded rods until it rests on the stack of 6 Baffles. The SPACER (D) flange should be oriented down, as shown in Figure 34.
9. Slide TOP BAFFLE (C) down the long threaded rods until it rests on the previous part, as shown in Figure 35. Each part mates with the previous part in only one orientation. Check that the molded word UP, on the outer edge is readable, facing upward, and aligned with the word UP on the previous part before sliding down the rods into position.
10. Grasping each long threaded rod between baffles, push each rod up until the washer is once again snug at the bottom of the stack, as shown in Figure 36. Hand snug a washer and nut to each long threaded rod with a wrench.

Note: Recommended to hold the nut with the wrench and turn the threaded rod to snug.

11. Add a nut and washer to each threaded rod. Top of washer shall be 12.75" above plastic baffle surface (Figure 37).
12. Two people are needed for this step. Assemble FRAME (G) by bolting the 4 metal pieces with provided short bolts, nuts, & washers, as shown in Figures 38 and 39.

Note: Make sure the frame is installed upright, with the angled bends pointing upward, as shown in Figure 39.

13. Slide FRAME (G) onto the threaded rods until it rests flat on nuts and washers added in Step 11. Orient FRAME (G) so that it aligns parallel to the flat portion of TOP BAFFLE (C), as shown in Figure 40.
14. Add another washer and nut to each of the long threaded rods above FRAME (G). Tighten. Then, attach a threaded coupling at the top end of each long threaded rod. Screw it down until the top of the coupling is flush with the top of the threaded rod. The hardware goes on as shown in Figure 41.

Figure 34



Figure 35



Figure 36



Figure 37



Figure 38



Figure 39



Figure 40

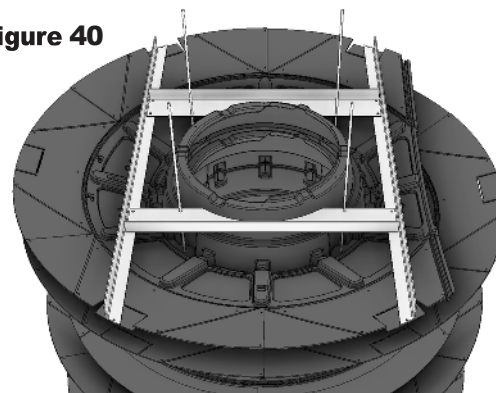


Figure 41



15. Place a washer and nut onto the end of the four short threaded rods, screwing about 3" (75 mm) down. Orient CYLINDER (E) with the flange facing up; feed the rods from the top through the holes in the CYLINDER (E) until the nuts rest on top of the CYLINDER, as shown in Figure 42.
16. Place CYLINDER (E) assembly on top of TOP BAFFLE (C). Each part mates with the previous part in only one orientation. Check that flat side of the flange of CYLINDER (E) is aligned with the flat side of the TOP BAFFLE (C) as shown in Figure 43. Attach the bottom end of the 4 short threaded rods to each threaded coupling at the top of the 4 long threaded rods. Hand tighten snug by twisting the long and short threaded rods in opposite directions.
17. Secure CYLINDER (E) onto each of the 4 short threaded rods with the washer and nut at the top. Hand snug with wrench.
18. Slide WEIR (F) into top slot with the curved edge down. Ensure WEIR (F) is centered in the slot. To easily insert WEIR (F), push one end home and secure lower corner of WEIR (F) to TOP BAFFLE (C) with a screw, as shown in Figures 44 and 45; then push the other end home and secure with screw. Add additional screws into the slot and through the bottom of the weir at approximately the middle, 1/4, and 3/4 positions.
19. Check and hand snug the nuts to the steel FRAME (G) with a wrench. Also hand snug the nuts to the top of the CYLINDER (E), and to the top of the TOP BAFFLE (C). Add a drop of Threadlocker to the rod threads near each nut before final tightening.
20. Secure the top of WEIR (F) with three screws into CYLINDER (E), as shown in Figure 46.
21. Attach Rod Caps to the top of each threaded rod, on top of the unit.
22. The finished assembly should appear as shown in Figure 47.

Figure 42



Figure 43



Figure 44



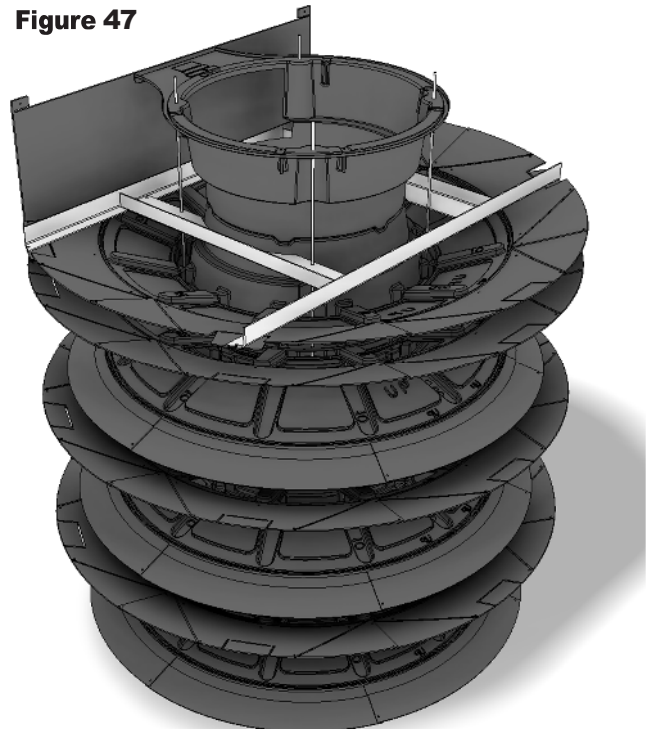
Figure 45



Figure 46



Figure 47



Section 4: Mounting Brackets within Concrete Manhole Riser

Materials provided by ADS

- Brackets (Qty: 4)
- 3/8" (6.35 mm) Diameter 20 tpi, 3 1/4" (82.55 mm) wedge anchors (Qty: 4)

Other Tools Needed

- Drill
- 3/8" (6.35mm) Masonry drill bit
- Hammer
- 9/16" socket or wrench
- Masking Tape
- Rigging

1. Use one of the 2 methods below to locate and mark the elevation and center line for each of the 4 brackets.

a. Angular Dimensions Method:

From the outlet invert, measure depth A (Table 1) and around B° and C° in each direction to locate the top of each bracket. Mark top of bracket.

b. Linear Dimensions Method:

From the outlet invert, measure depth A (Table 2) and around the inside arc B" and C" in each direction to locate the top of each bracket. Mark top of bracket.

Crosscheck outlet invert elevations from approved job specific drawings.

Figure 48

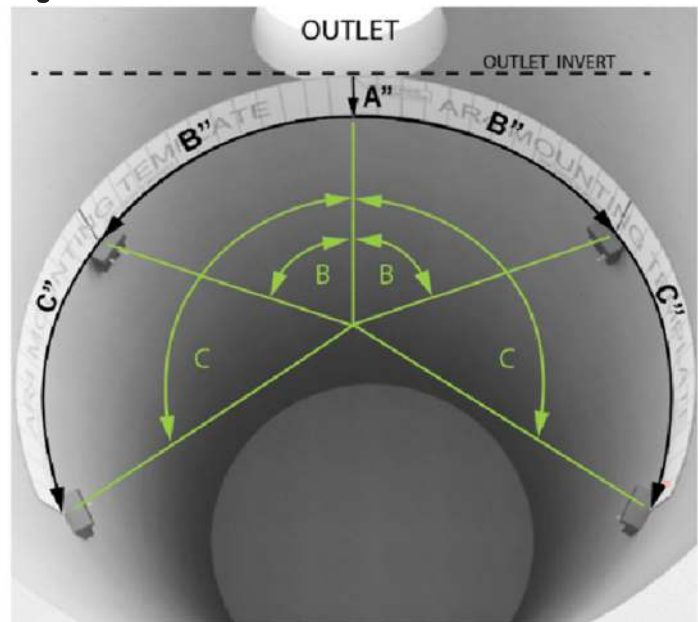


Table 1: Angular Measurements

Arcadia Model	A. Depth from Outlet Invert, in (mm)	B. Angle from Outlet Center, degrees	C. Angle from Outlet Center, degrees
AR10	9 (228.6)	60	120

Table 2: Linear Measurements

Arcadia Model	A. Depth from Outlet Invert, in (mm)	B. Measurement from Outlet Center, in (mm)	C. Measurement from Outlet Center, in (mm)
AR10	9 (228.6)	62 3/4 (1595.9)	125 5/8 (3191.9)

2. Hold bracket in position in manhole at locations indicated. Mark anchor holes for each bracket as shown in Figure 49.
3. Drill two 3/8" holes per bracket, 2½" (63.5 mm) deep. Diagonal holes are recommended. Extra holes provided if needed as shown in Figure 50.
4. Attach 4 brackets to manhole at positions marked, aligned with top of bracket. Lightly hammer the anchors in place. Tighten the locking nuts to firmly secure brackets to the concrete.

Trim any excess anchor that extends beyond the bracket edge as shown in Figure 51.

5. Extend center lines up the manhole wall to the top. Also extend lines across top edge. These center lines will be used by installers at the jobsite to align the unit during installation as shown in Figure 52.

Note: These center lines are part of the bracket installation and should be made with a suitable marking device that can be easily seen, such as a level and marker, or chalk line.

Figure 49



Figure 50



Figure 51

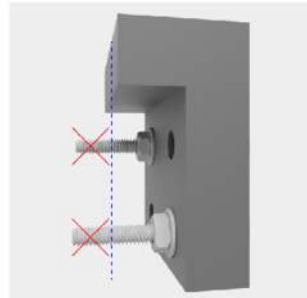


Figure 52



Section 5: Transporting Assembled Arcadia Internals

Placing assembled Arcadia inside concrete manhole riser section for transportation.

1. Choosing a segment of precast concrete manhole riser or base.
 - For transport, choose a riser section that does not contain the mounting brackets, minimum riser depth shown in Table 3. This riser section will serve as shipping containment for the internals.
 - The Arcadia internals will be permanently installed onto the mounting brackets at the jobsite. See Section 6.

Table 3: Angular Measurements

Minimum Depth Transport Riser Section ft (m)	Arcadia Model
6 (1.8)	AR10

2. Rigging Arcadia Internals for lifting.
 - Use the stainless-steel frame arms as pick points for straps, chains, or other qualified rigging. It is recommended to attach at diagonally opposite arms.
 - Appropriate rigging examples are shown in Figures 53 and 54.
3. Place Arcadia Internals within the riser segment using hoisting equipment.
4. Secure with strapping.
5. Along with the internals, be sure to also deliver the 3 additional items listed in the note to the right and seen in Figures 55, 56, and 57.

Figure 53



Figure 54



Figure 55



Figure 56



Figure 57



Note: Please deliver the following additional items to the jobsite along with the assembled Arcadia unit.

- Small hardware package marked "Arcadia Installation, For Jobsite Contractor (NOT FOR PRECASTER)"
- Con Seal roll(s)
- Copy of this Installation Guide

Table 4: Arcadia Separator Internals Weight Once Assembled

Arcadia Model	AR10
lbs (kg)	1306 (592.3)

Section 6: Installing Arcadia Internals into the Manhole – For Contractor/Jobsite

These directions assume the manhole base and riser have not been assembled, and that the top slab has not been set.

Note: Do not insert the inlet or outlet pipes until after the Arcadia internals have been installed. If pipes must be inserted in advance, the pipes should not protrude into the structure as they can interfere with installation of the Arcadia Internals.

Materials provided by ADS

- Arcadia Internals (Qty: 1)
- 3/8" Diameter 20 tpi, 3 1/4" (82.55 mm) wedge anchors (Qty: 2)
- 1/4" (6.35 mm) Diameter 1 1/2" (38.1 mm) long hex head lag screws and washers (Qty: 4)
- 1/4" (6.35 mm) high speed drill bit for drilling into steel brackets
- Conseal Roll(s)

Other Tools Needed

- Drill
- 3/8" Masonry Drill Bit
- 3/16" (4.76 mm) Multi-Purpose Drill Bit
- Hammer
- 3/8" socket or wrench
- Rigging

1. Before assembling the manhole base and riser(s), remove the assembled Arcadia unit from the precast segment that was used for protection during transport, if applicable. Rig the Arcadia internals for overhead lifting. Use the stainless-steel frame arms as pick points for straps, chains, or other qualified rigging. It is recommended to attach diagonally to opposite arms. See Figures 58 and 59. Set the Arcadia unit on level ground.
2. Locate the concrete riser section with Arcadia Mounting Brackets installed.
3. Begin installation of concrete manholes up to and including the section identified in Step 2.
4. For the section identified in Step 2, check for bracket centerline markings inside and on top edge of the manhole. If no markings are present, find and extend the centerlines of each bracket along the inside of the riser all the way to the riser top edge as shown. These centerlines will be used to align the unit during installation. See Figure 60.
5. Rig Arcadia internals for overhead lifting. Use the stainless-steel frame arms as pick points for straps, chains, or other qualified rigging. It is

Figure 58



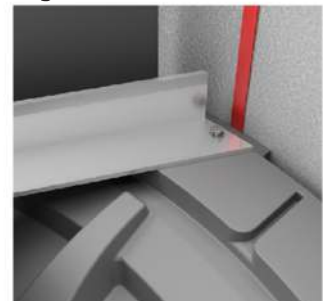
Figure 59



Figure 60



Figure 61



recommended to attach diagonally to opposite arms. See Figures 58 and 59.

6. Lift Arcadia internals at slow speed. Before lowering the unit into the manhole, check for proper alignment with the mounting brackets inside the manhole. Orientation is important throughout the entire installation process.
 - a. Keep the WEIR (F) centered above the outlet pipe opening. See Figure 62.
 - b. Keep frame arms aligned with bracket centerlines during the entire lowering process. Failure to maintain alignment could result in damage to the unit. See Figure 63.
7. Once aligned, slowly lower Arcadia internals into manhole. Utilize a spotter to guide the alignment of the unit with tagline. Proceed until the stainless- steel frame arms are resting on the pre-installed mounting brackets within the manhole.
8. Use the provided 1/4" (6.35 mm) drill bit to make a pilot hole in steel brackets. Affix Arcadia internals with provided lag screws and washers through the holes in the ends of the stainless-steel frame arms, through the top plastic of the unit and into the metal brackets beneath. Use 3/8" socket to drive in lag screws until snug (Figure 61).
9. Affix WEIR (F) edges to manhole walls using concrete anchors. See Figures 64 and 65.
10. Bend WEIR (F) installation tabs to the manhole wall as shown in Figure 64.
11. Mark holes for anchors, one hole per tab.
12. Drill a 3/8" hole 2 1/2" (63.5 mm) deep at each marked hole.
13. Bend WEIR (F) installation tabs to manhole wall.
14. Insert anchors and lightly hammer in place to secure WEIR (F) to manhole wall.
15. Tighten the locking nuts to firmly secure brackets to the manhole wall as shown in Figure 65.
16. Finally, seal WEIR (F) & TOP BAFFLE (C) edges to manhole wall using conseal to fill any gaps. See Figure 62.

Figure 62

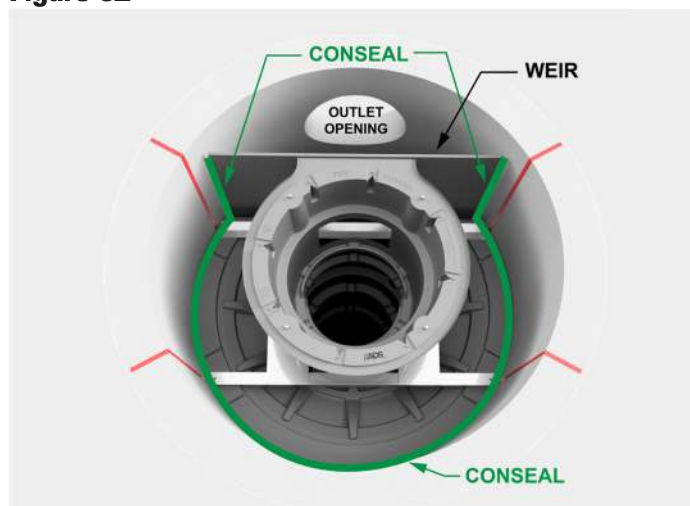


Figure 63

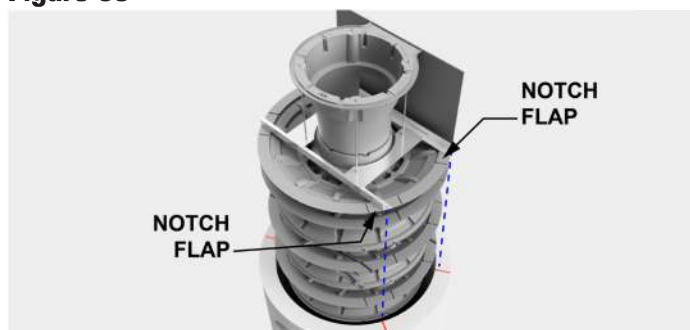


Figure 64

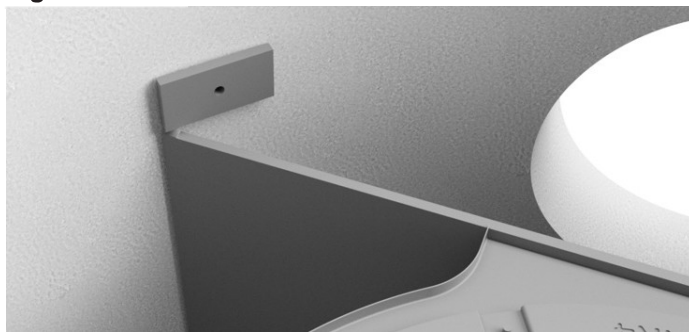
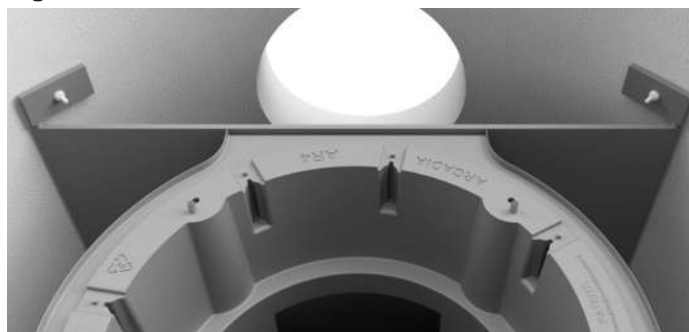


Figure 65



Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)
Job Location: Hopkinsville, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

Tech: J. Horsley

7/30/2026 8:57:22 AM

PC: C. Goff



Structure ID: 238 (426+83 LT)

P2 BX024036-08LD08-15X27

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

P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
P2) 24" x 36" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 23"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 20
2) Hole - 4

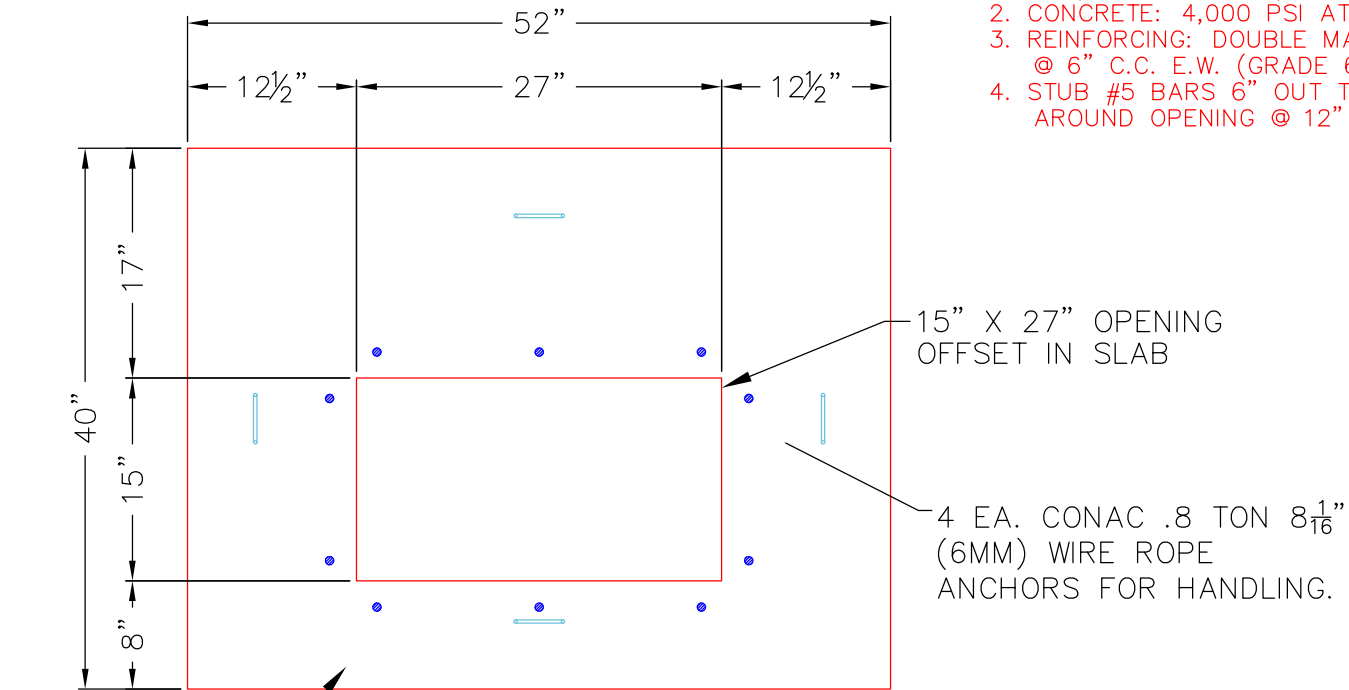
Structure Total: 4789 lb

Structure Notes:

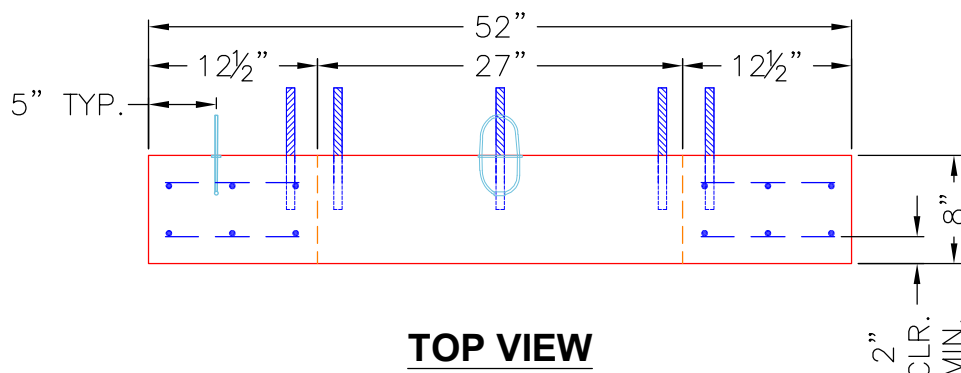
- ** KYTC STATE PROJECT **
1. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE KY-230 F/G).
 4. STUB #5 BARS UP 6" AROUND 15x27 OPENING IN TOP SLAB (SPA@12"C/C)
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. (DBL MAT).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W..
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

NOTES:

1. MANUFACTURED TO KYTC DBI TYPE 13G/ASTM C-931 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: DOUBLE MAT #5 BAR @ 6" C.C. E.W. (GRADE 60).
4. STUB #5 BARS 6" OUT TOP SLAB AROUND OPENING @ 12" C/C.



PLAN VIEW



TOP VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 1124 lb
Volume (Net): 0.29cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:26:18 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 15+26 DBI 2-MOD

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 - 46"
1) 36" x 48" - Conseal CS-102 1.00"
1) Hole - 40
1) Hole - 22

0 lb
7522 lb
0 lb
0 lb
0 lb

Structure Total: 7522 lb

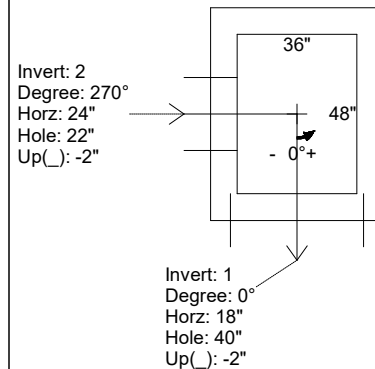
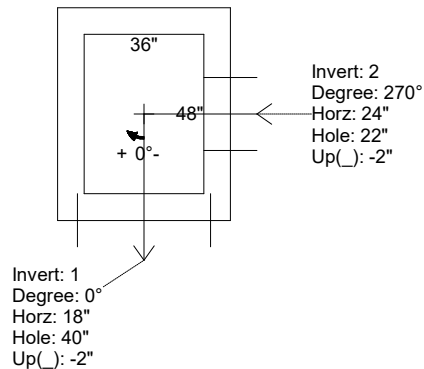
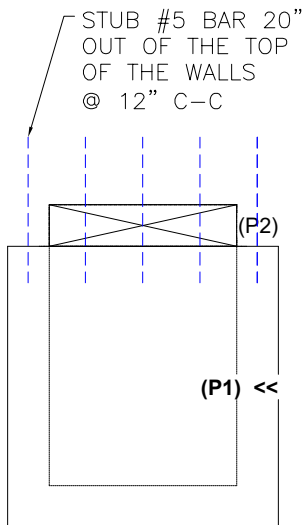
Structure Notes:
-KYTC STATE PROJECT 251007
-REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
-CASTING FRAMES & GRATES BY OTHERS.
-CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
-KYTC CERTIFICATIONS REQUIRED.
-#5 BAR EXTENDED OUT OF TOP OF BOX 20" AT 12" C/C.

Rim: 557.13' Rim to Invert: 4.5' Slack: 0" Sump: 0" Step Position:

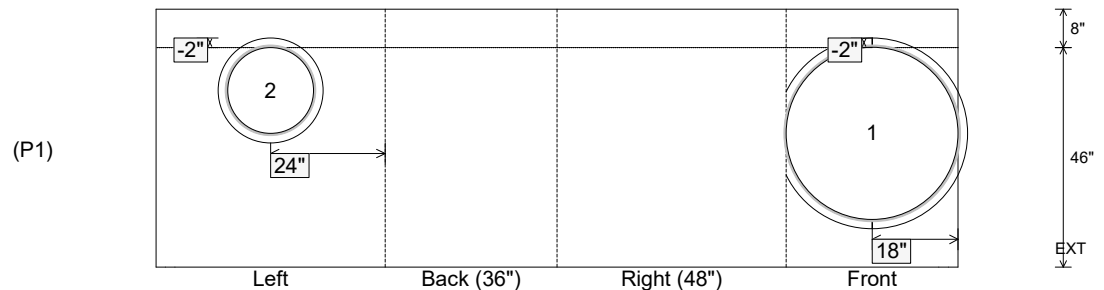
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	552.63'	0°	26"	36" CMP	37"	Hole 40	40"	38"	-2"	0"
Invert 2	552.63'	270°	32"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 46"
Height (Ext): 54"

Weight (Net): 7522 lb
Volume (Net): 1.92cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/6/2026 12:06:19 PM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 17+62 CBBI-MOD B1

P1 BX3648-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 24" x 120" - CB MED BAR BOX INLET 9B1 LH - 17"
P2) 36" x 48" - CB FT REDUCER 24"X36" HOLE-FT - 8"
P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 45"
1) 36" x 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 40
2) Hole - 22

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.

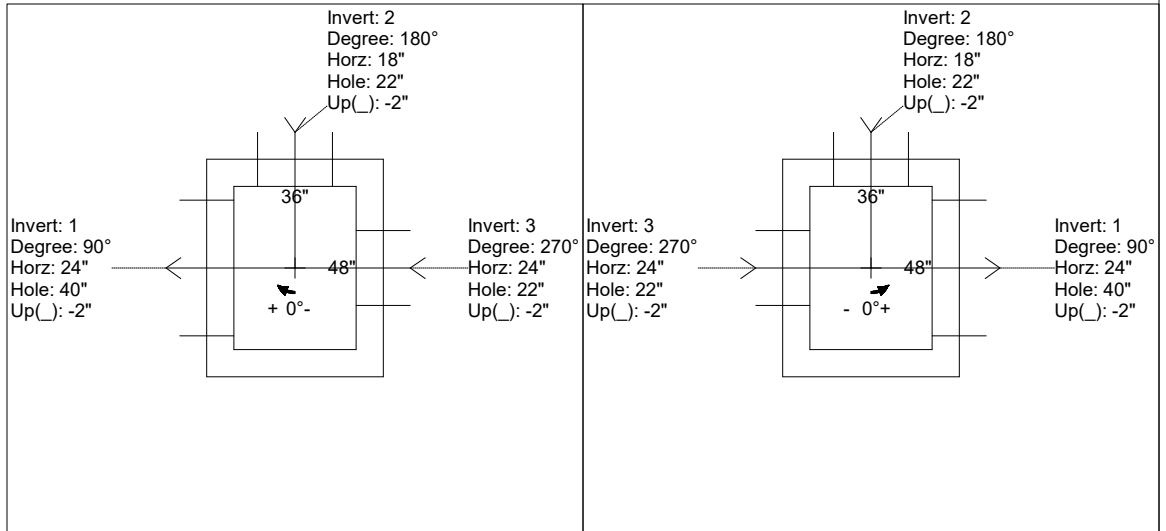
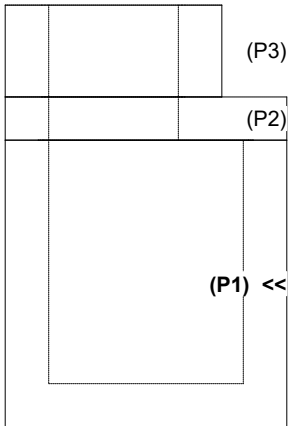
Structure Total: 12576 lb

Rim: 562.88' Rim to Invert: 6.2' Slack: 4.4" Sump: 0" Step Position:

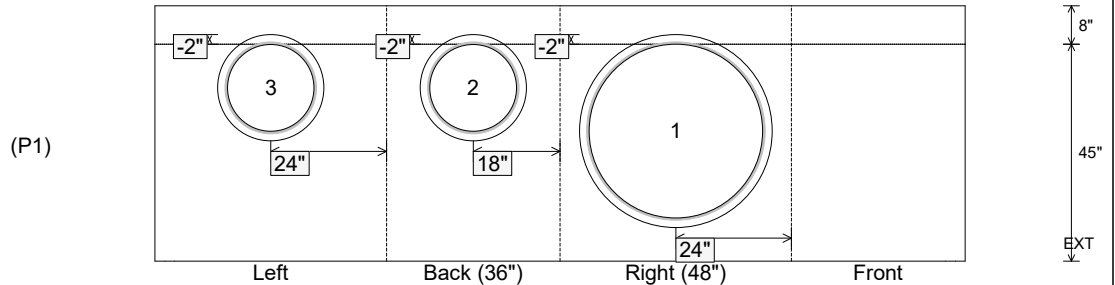
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	556.68'	90°	32"	36" CMP	37"	Hole 40	40"	40"	-2"	0"
Invert 2	556.68'	180°	26"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 3	556.68'	270°	32"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 45"
Height (Ext): 53"

Weight (Net): 6922 lb
Volume (Net): 1.77cu.yd

Job Name: 26-1735 - City Of Clarksville Vaults

Job Location: Clarksville, TN

Contractor: Clarksville Gas and Water

Plant: 100

8/11/2026 6:30:29 PM

Tech: Jared - F

PC: A. Chambers



Structure ID: QL2

P1 BX120120-08BAVF

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

P4) 42" x 72" - HATCH (CAST FLUSH) - 3.5"

P3) 120" x 120" - BX FLAT LID 8inW w/2x 42"x72" HATCHES F/F - 8"

P2) 120" x 120" - BOX RISER 8inW, Variable Ht F/G - 64"

P1) 120" x 120" - BOX BASE 8inW, 8inF, Variable Ht T/n - 24"

1) Conseal CS-102 1.00" (Double)

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

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

1) Hole - 0

100 lb

8355 lb

21997 lb

20665 lb

0 lb

0 lb

0 lb

0 lb

51117 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. HATCH SUPPLIED BY OTHERS (2ea. HALLIDAY H2R 72"x42").

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB(As.12)#5 BARS AT 6" C.C.E.W.

- WALLS(As.12) #5 BARS AT 8"C.C.E.W.

- FLOOR (As .12) #5 BARS AT 8" C.C.E.W.

Rim: 8'

Rim to Invert: 8'

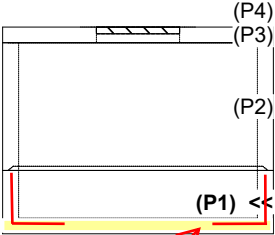
Slack: 0"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	0'	0°	68"	0" No Hole	0.01"	Hole 0	0"	0"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

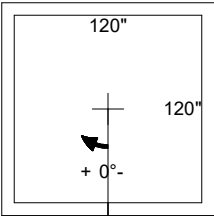
FIRST POUR DRAWING



1ST POUR (FLOOR)

WET STICK 24" X 20" #5 L-BARS @ 12" C.C.E.W. (GRADE 60) OUT TOP OF FLOOR FOR WALL POUR TIE-IN

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)

WEIGHTS

FIRST POUR - 12,416 LBS

SECOND POUR - 8,249 LBS

TOTAL - 20,665 LBS

INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 24"

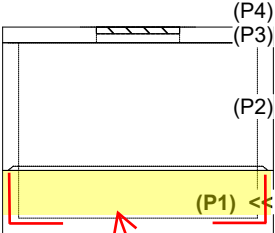
Height (Ext): 32"

Weight (Net): 20665 lb

Volume (Net): 5.28cu.yd

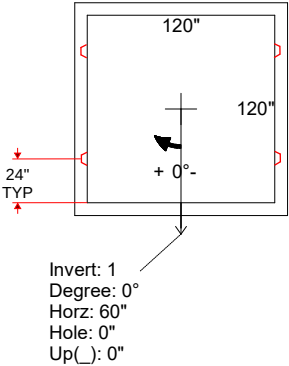
Job Name: 26-1735 - City Of Clarksville Vaults Job Location: Clarksville, TN Contractor: Clarksville Gas and Water					Plant: 100 8/11/2026 6:30:29 PM		Tech: Jared - F PC: A. Chambers				
Structure ID: QL2											
P1 BX120120-08BAVF BOX BASE 8inW, 8inF, Variable Ht T/n											
P4) 42" x 72" - HATCH (CAST FLUSH) - 3.5" P3) 120" x 120" - BX FLAT LID 8inW w/2x 42"x72" HATCHES F/F - 8" P2) 120" x 120" - BOX RISER 8inW, Variable Ht F/G - 64" P1) 120" x 120" - BOX BASE 8inW, 8inF, Variable Ht T/n - 24" 1) Conseal CS-102 1.00" (Double) 2) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 2) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) Hole - 0					100 lb 8355 lb 21997 lb 20665 lb 0 lb 0 lb 0 lb 0 lb ----- 51117 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HATCH SUPPLIED BY OTHERS (2ea. HALLIDAY H2R 72"x42"). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB(As.12)#5 BARS AT 6" C.C.E.W. - WALLS(As.12) #5 BARS AT 8"C.C.E.W. - FLOOR (As .12) #5 BARS AT 8" C.C.E.W.				
Rim: 8' Rim to Invert: 8' Slack: 0" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	0'	0°	68"	0" No Hole	0.01"	Hole 0	0"	0"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

SECOND POUR DRAWING



2ND POUR (WALLS)

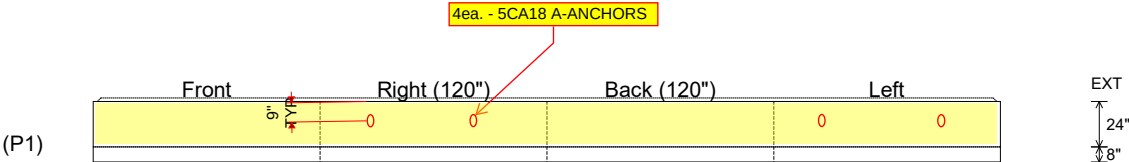
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)

WEIGHTS
FIRST POUR - 12,416 LBS
SECOND POUR - 8,249 LBS
TOTAL - 20,665 LBS

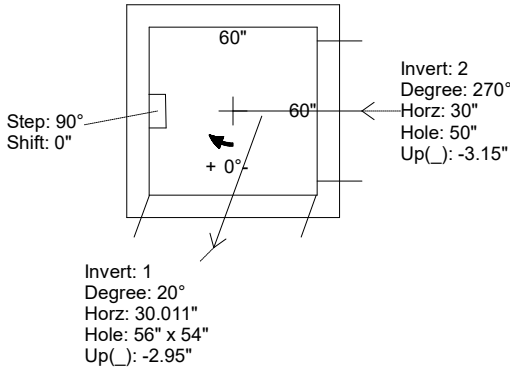
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 24" Height (Ext): 32"	Weight (Net): 20665 lb Volume (Net): 5.28cu.yd
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Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures Job Location: Bowling Green, KY Contractor: Scotty's Contracting & Stone, LLC				Plant: Beaver Dam 8/11/2026 9:19:39 AM		Tech: S. Felletter PC: M. Sullivan				
Structure ID: DBI-13										
P1 BX6060-08BAVF				BOX BASE 8inW, 8inF, Variable Ht F/n						
P3) 24" x 30" - CASTING HEIGHT - 3.50" P2) 60" x 60" - BX FLAT LID 8inW w/24"x30" HOLE F/F - 8" P1) 60" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 52" 1) CASTING - HOE KY-460-11 F/G (DBI 11) 1) 60" x 60" - Conseal CS-102 1.00" 1) 24" x 30" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 56"x54" 1) Hole - 50 4) MH Step ML-10-TDS-NCR - 10"						0 lb 3394 lb 10088 lb 421 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 13903 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-460-11 F/G). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS/FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Rim: 583.92' Rim to Invert: 5.35' Slack: 0.7" Sump: 0" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	578.57'	20°	40.923"	48" HDPE	53.5"	DOGHOUSE INVRTD 56"x54"	56" x 54"	59.594"	-2.95"	-10.25"
Invert 2	578.57'	270°	38"	42" HDPE	47.7"	Hole 50	50"	50"	-3.15"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

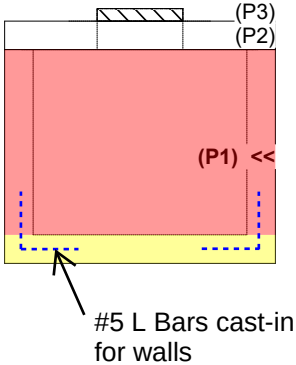


UPSIDE-DOWN VIEW (int. dimenions)

2 Stage pour required

First pour drawing
First pour weight = 3,870 LBS
Second pour weight = 6,218 LBS

****Lift anchors to be cast into base slab****



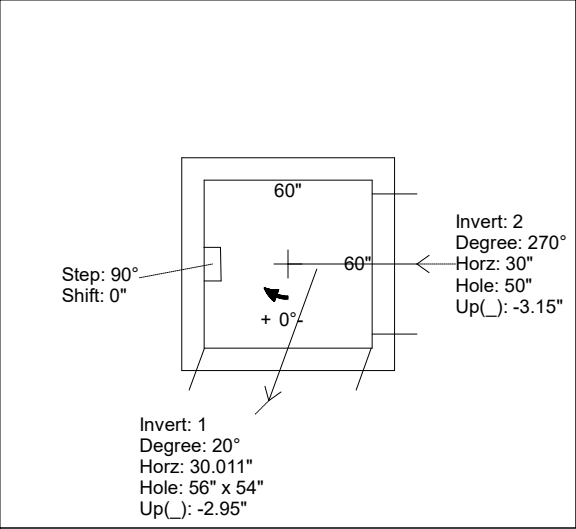
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 52" Height (Ext): 60"	Weight (Net): 10088 lb Volume (Net): 2.58cu.yd
----------------------------------	-------------------------------	--	--	---

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures Job Location: Bowling Green, KY Contractor: Scotty's Contracting & Stone, LLC				Plant: Beaver Dam 8/11/2026 9:19:39 AM		Tech: S. Felletter PC: M. Sullivan				
Structure ID: DBI-13										
P1 BX6060-08BAVF				BOX BASE 8inW, 8inF, Variable Ht F/n						
P3) 24" x 30" - CASTING HEIGHT - 3.50" P2) 60" x 60" - BX FLAT LID 8inW w/24"x30" HOLE F/F - 8" P1) 60" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 52" 1) CASTING - HOE KY-460-11 F/G (DBI 11) 1) 60" x 60" - Conseal CS-102 1.00" 1) 24" x 30" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 56"x54" 1) Hole - 50 4) MH Step ML-10-TDS-NCR - 10"						0 lb 3394 lb 10088 lb 421 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 13903 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-460-11 F/G). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS/FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Rim: 583.92' Rim to Invert: 5.35' Slack: 0.7" Sump: 0" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	578.57'	20°	40.923"	48" HDPE	53.5"	DOGHOUSE INVRTD 56"x54"	56" x 54"	59.594"	-2.95"	-10.25"
Invert 2	578.57'	270°	38"	42" HDPE	47.7"	Hole 50	50"	50"	-3.15"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)

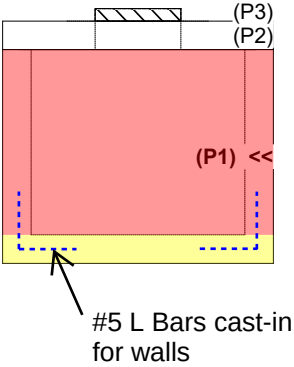
2 Stage pour required

Second pour drawing

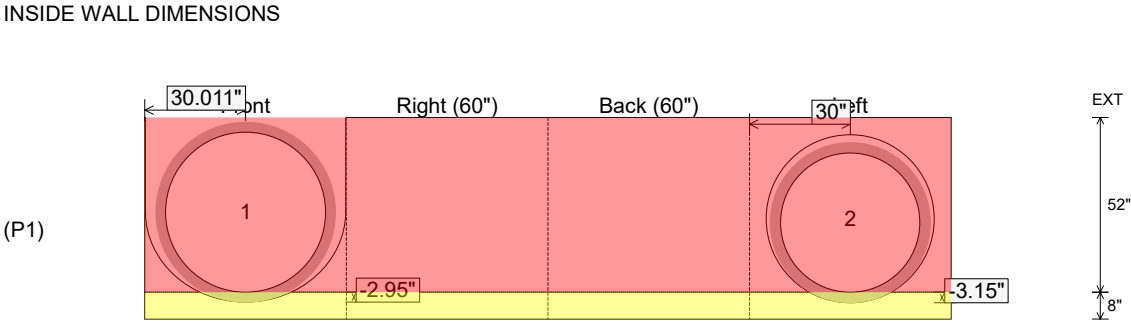
First pour weight = 3,870 LBS

Second pour weight = 6,218 LBS

****Lift anchors to be cast into base slab****

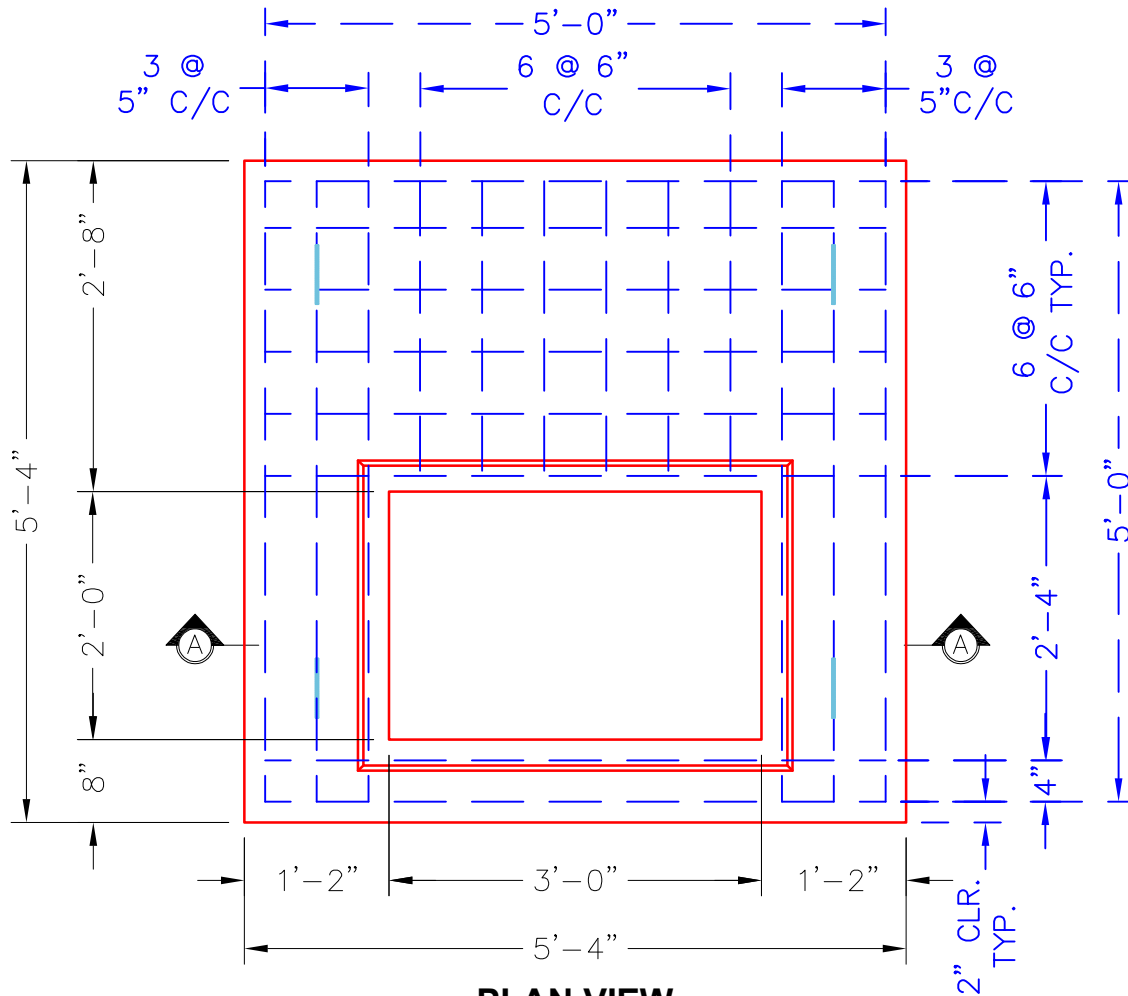


INSIDE WALL DIMENSIONS

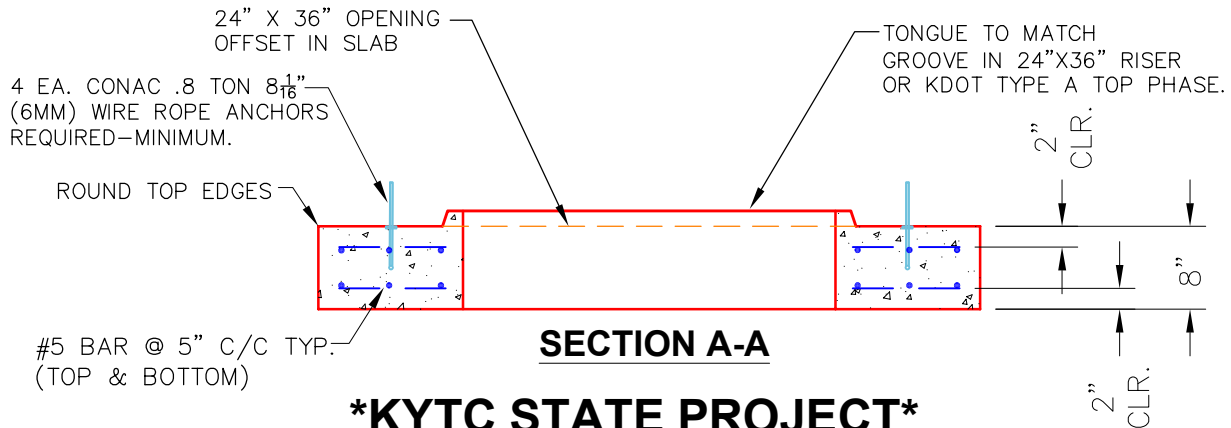


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 52" Height (Ext): 60"	Weight (Net): 10088 lb Volume (Net): 2.58cu.yd
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THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR.



PLAN VIEW



SECTION A-A

NOTES:

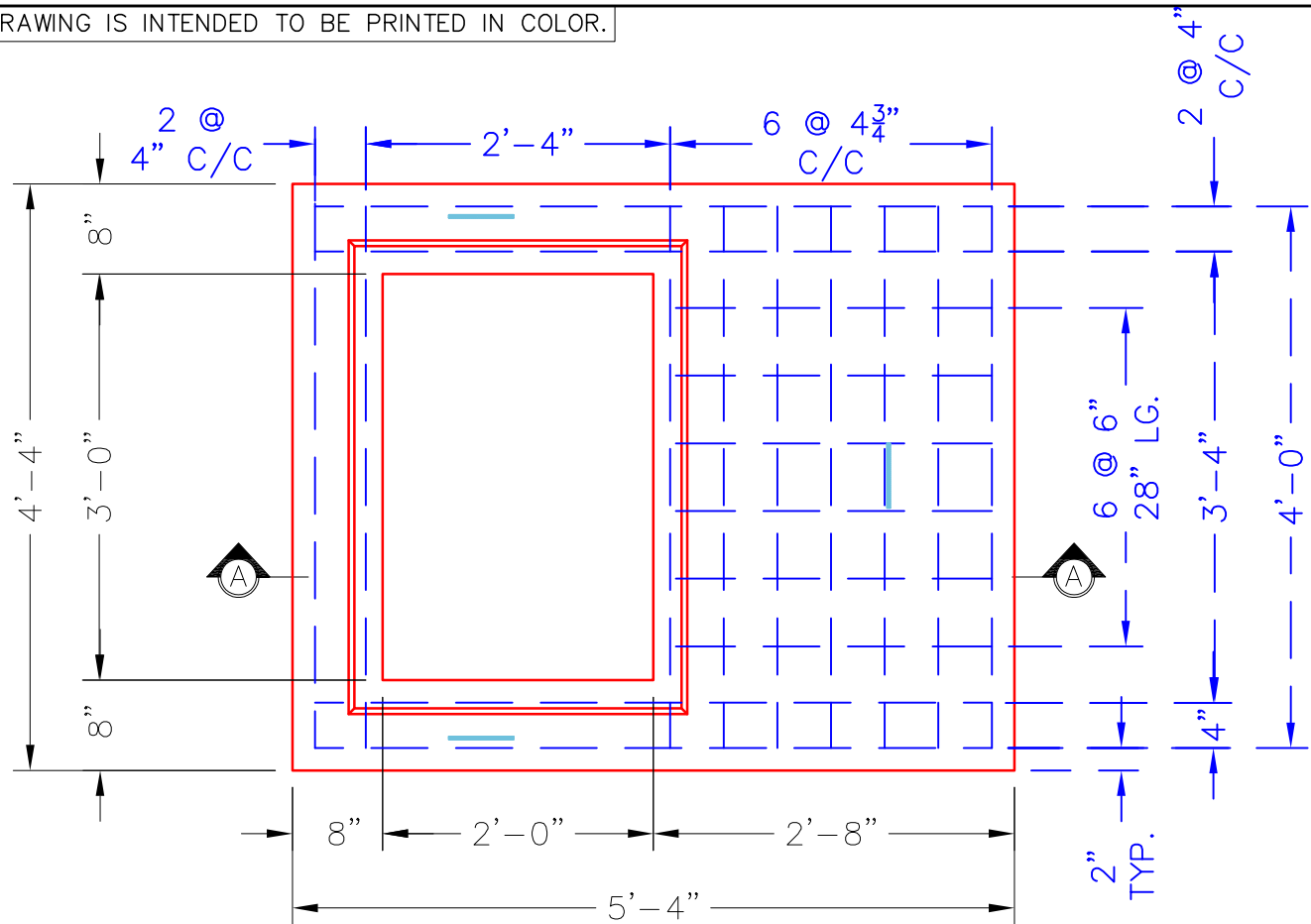
- CONCRETE: 4500 PSI @ 28 DAYS.
- MANUFACTURED TO KYTC & ASTM C-913 SPECIFICATIONS.
- REINFORCING: #5 BAR AS SHOWN-GRADE 60.
(TOP & BOTTOM LAYER)
- 4 EA. CONAC WIRE LOOP LIFTS REQUIRED (MIN.)

KYTC STATE PROJECT

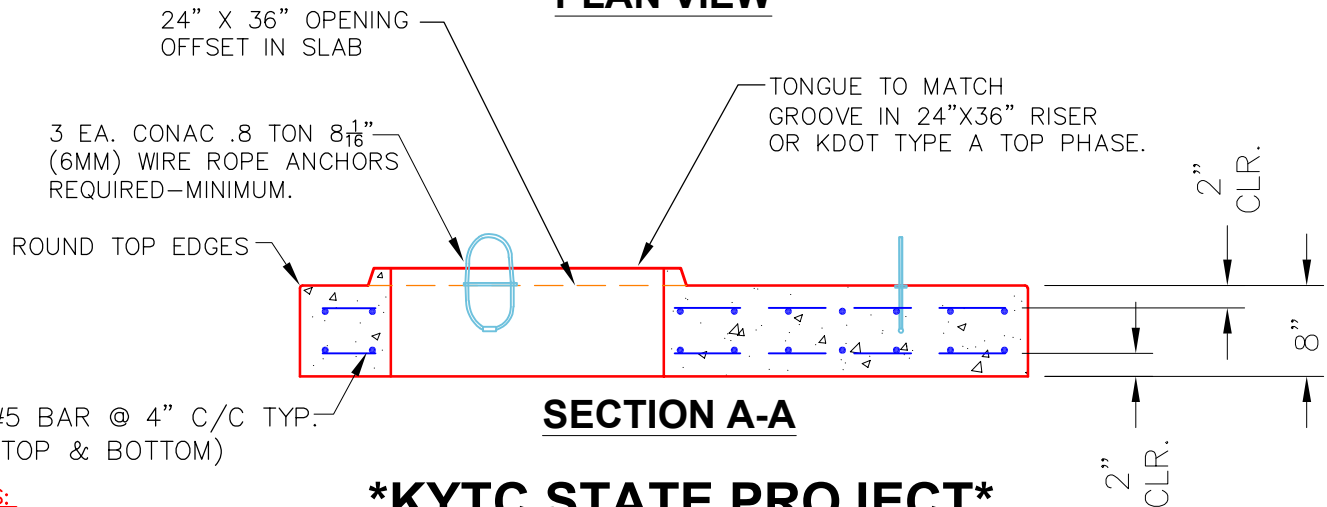
#5 BAR CUT LIST
28 EA. @ 60" LG.
12 EA. @ 28" LG.

PRODUCTION WORK ORDER		PRODUCT I.D.:	DESCRIPTION:
		BX048048-08TS024036	CURB INLET TRANSITION SLAB 48" X 48" X 8"
	QUALITY CONTROL CHECKLIST		CUSTOMER: SCOTTY'S CONTRACTING & STONE LLC
	☐ ALL DIMENSIONS CORRECT.		PROJECT: KYTC CHRISTIAN CO. CALL 100 (ID 241018)
	☐ LIFTERS INSTALLED.		STRUCTURE: 258 (431-50RT) (SEC. P2)
	☐ OPENING OFFSET.		QUOTE/SALES ORDER NO: 24-4208
	☐ REINFORCING CORRECT.		PC: C. GOFF
	☐ SHIP-LAP TONGUE INSTALLED.		DRAWING: S. FELLETER
☐ EDGES CHAMFERED.		QC CHECK INITIALS:	DATE: 07/30/26
☐ ANY PATCHWORK ACCEPTABLE.			SCALE: NTS
			PG. 1 of 1

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR.



PLAN VIEW



SECTION A-A

NOTES:

- CONCRETE: 4500 PSI @ 28 DAYS.
- MANUFACTURED TO KYTC & ASTM C-913 SPECIFICATIONS.
- REINFORCING: #5 BAR AS SHOWN-GRADE 60.
(TOP & BOTTOM LAYER)
- 3 EA. CONAC WIRE LOOP LIFTS REQUIRED (MIN.)

KYTC STATE PROJECT

#5 BAR CUT LIST
8 EA. @ 60" LG.
18 EA. @ 48" LG.
12 EA. @ 28" LG.

PRODUCTION WORK ORDER		PRODUCT I.D.: BX036048-08TS024036	DESCRIPTION: CURB INLET TRANSITION SLAB 48" X 36" X 8"	
	QUALITY CONTROL CHECKLIST		PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: SCOTTY'S CONTRACTING & STONE LLC
	☐ ALL DIMENSIONS CORRECT.		PLANT: BEAVER DAM, KY.	PROJECT: KYTC CHRISTIAN CO. CALL 100 (ID 241018)
	☐ LIFTERS INSTALLED.		WEIGHT: 1,654 LBS.	STRUCTURE: 237 (426+55 RT) (SEC. P2)
	☐ OPENING OFFSET.		TOP SECTION JOINT: TONGUE	QUOTE/SALES ORDER NO: 24-4208
	☐ REINFORCING CORRECT.		BOTTOM JOINT: FLAT	PC: C. GOFF
	☐ SHIP-LAP TONGUE INSTALLED.		QC CHECK INITIALS:	DRAWING: S. FELLETER
☐ EDGES CHAMFERED.			DATE: 07/30/26	SCALE: NTS
☐ ANY PATCHWORK ACCEPTABLE.				PG. 1 of 1

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)

Job Location: Hopkinsville, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

7/30/2026 8:55:19 AM

Tech: J. Horsley

PC: C. Goff

Structure ID: 234 (425+20 RT)

P1 BX3660-08BAVF

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

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

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

P2) 36" x 60" - CB FT REDUCER 24"X36" HOLE T/F - 8"

P1) 36" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 31"

1) CASTING - HOE KY-206 F/C (KY TY1)

1) 36" x 60" - Conseal CS-102 1.00"

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

2) Hole - 30

1) Hole - 20

1) Hole - 22

3400 lb

5270 lb

2073 lb

6310 lb

206 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 17259 lb

Structure Notes:

** KYTC STATE PROJECT **

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

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

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

REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

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

Rim: 546.53'

Rim to Invert: 5.59'

Slack: 0.08"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	540.94'	270°	23"	24" HDPE	27.8"	Hole 30	30"	30"	-1.9"	-15"
Invert 2	541.52'	75°	18.61"	15" HDPE	17.6"	Hole 20	20"	20.706"	5.66"	-12"
Invert 3	540.94'	90°	53"	24" HDPE	27.8"	Hole 30	30"	30"	-1.9"	15"
Invert 4	541.52'	145°	21.366"	15" RCP B WALL	19.5"	Hole 22	22"	26.857"	4.71"	18"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 4
Degree: 145°
Horz: 18.968"
Hole: 22"
Up(): 4.71"

Invert: 3
Degree: 90°
Horz: 45"
Hole: 30"
Up(): -1.9"

Invert: 1
Degree: 270°
Horz: 15"
Hole: 30"
Up(): -1.9"

Invert: 2
Degree: 75°
Horz: 12.754"
Hole: 20"
Up(): 5.66"

36"

60"

+ 0°

UPSIDE-DOWN VIEW (int. dimensions)

2-Stage Pour Required

First pour drawing

First pour weight = 2,653 LBS

Second pour weight = 3,657 LBS

(P4)

(P3)

(P2)

(P1) <<

#5 L Bar cast in for wall attachment

INSIDE WALL DIMENSIONS

Front

Right (60°)

Left

12.754"

18.968" (36")

15"

2

3

4

1

5.66"

-1.9"

4.71"

-1.9"

31"

8"

Coating (Int):

Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

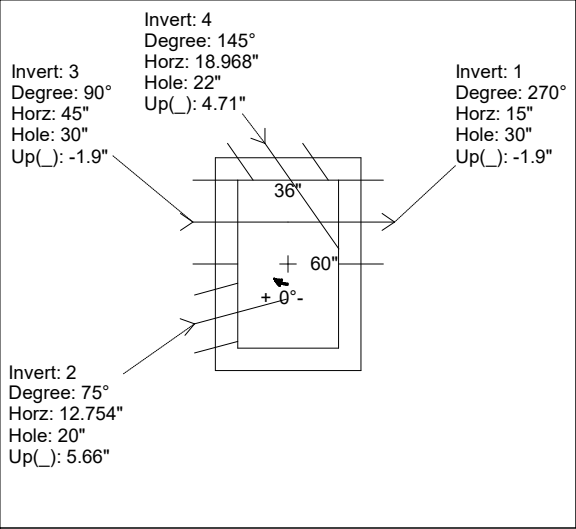
Wall Thickness: 8"
Floor Height: 8"

Height (Int): 31"
Height (Ext): 39"

Weight (Net): 6310 lb
Volume (Net): 1.61cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:19 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 234 (425+20 RT)											
P1		BX3660-08BAVF									
BOX BASE 8inW, 8inF, Variable Ht F/n											
P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P2) 36" x 60" - CB FT REDUCER 24"X36" HOLE T/F - 8" P1) 36" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 31" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 36" x 60" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 30 1) Hole - 20 1) Hole - 22						3400 lb 5270 lb 2073 lb 6310 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 17259 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HOE KY-206 F/C CAST INTO TOP SLAB. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W (DBL MAT) - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 546.53' Rim to Invert: 5.59' Slack: 0.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset	
Invert 1	540.94'	270°	23"	24" HDPE	27.8"	Hole 30	30"	30"	-1.9"	-15"	
Invert 2	541.52'	75°	18.61"	15" HDPE	17.6"	Hole 20	20"	20.706"	5.66"	-12"	
Invert 3	540.94'	90°	53"	24" HDPE	27.8"	Hole 30	30"	30"	-1.9"	15"	
Invert 4	541.52'	145°	21.366"	15" RCP B WALL	19.5"	Hole 22	22"	26.857"	4.71"	18"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



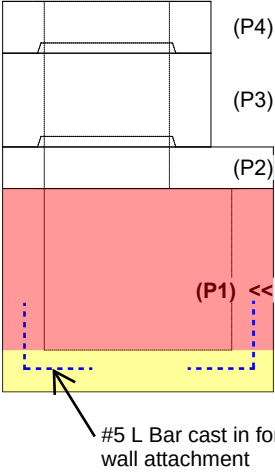
UPSIDE-DOWN VIEW (int. dimensions)

2-Stage Pour Required

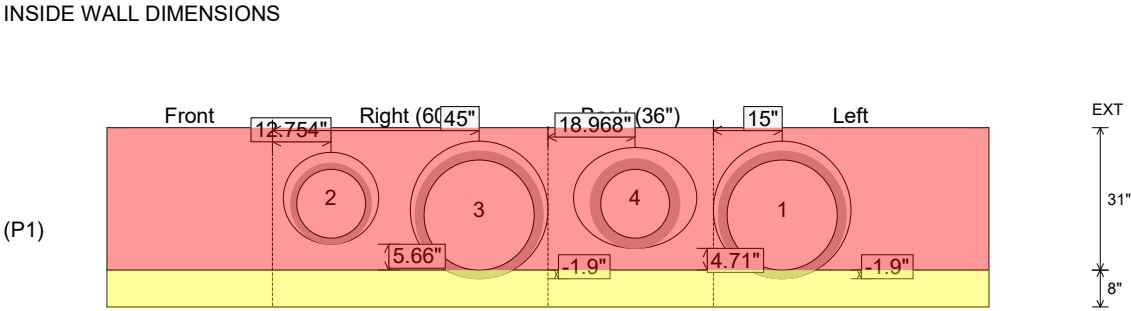
Second pour drawing

First pour weight = 2,653 LBS

Second pour weight = 3,657 LBS



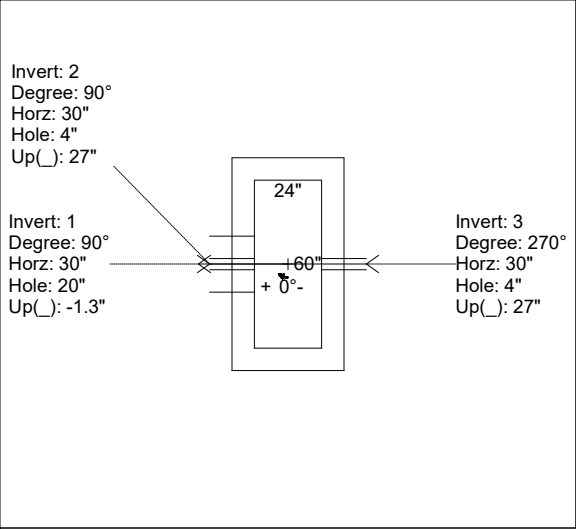
INSIDE WALL DIMENSIONS



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): 6310 lb Volume (Net): 1.61cu.yd
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Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:14 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 231 (423+15 RT)											
P1		BX2460-08BAVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P4) 15" x 59" - P.I.P. - BY OTHERS - 8" P3) 15" x 59" - FIELD ADJUSTMENT - 3" P2) 24" x 60" - BX FLAT LID 8inW, w/15"x59" HOLE (KYTC DBI-13S) F/F - 8" P1) 24" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 36" 1) CASTING - HOE KY-230-G F/G (GRADE) 1) 24" x 60" - Conseal CS-102 1.00" 1) Hole - 20 2) Hole - 4					0 lb 0 lb 1461 lb 6646 lb 237 lb 0 lb 0 lb 0 lb		Structure Notes: **KYTC STATE PROJECT** 1. KYTC DBI TYPE 13S / ASTM C-913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-230S F/G). 4. STUB #5 BARS 4" OUT TOP OF TOP SLAB (SPA AT 12" C/C) AROUND 15"x59" HOLE. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. (DBL MAT). - WALLS (As .31) #5 BARS AT 12" C.C.E.W.. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 551.02' Rim to Invert: 4.61' Slack: 0.32" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	546.41'	90°	38"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 2	548.66'	90°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	27"	0"	
Invert 3	548.66'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	27"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

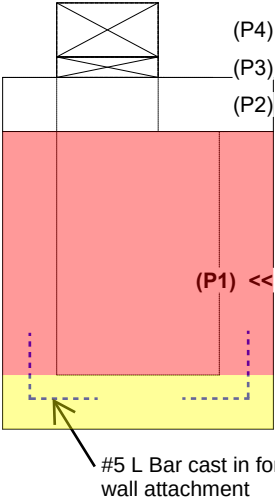
RIGHT-SIDE UP VIEW (int. dimensions)



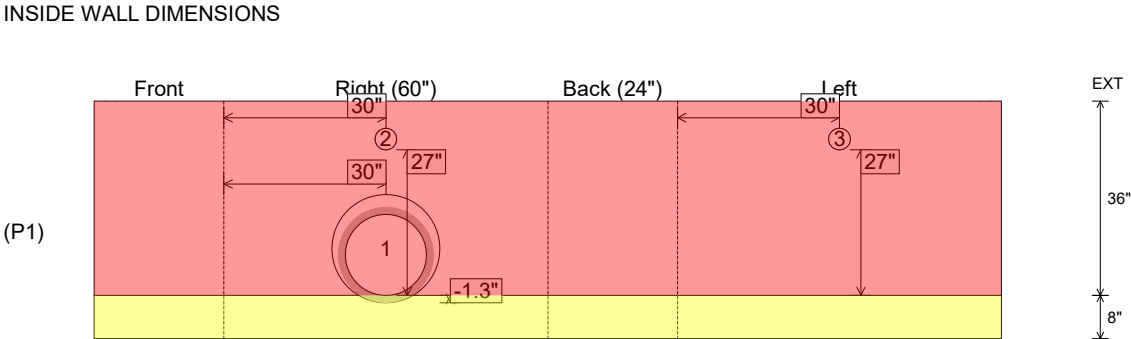
UPSIDE-DOWN VIEW (int. dimensions)

2-Stage Pour Required

First pour drawing
First pour weight = 2,040 LBS
Second pour weight = 4,606 LBS



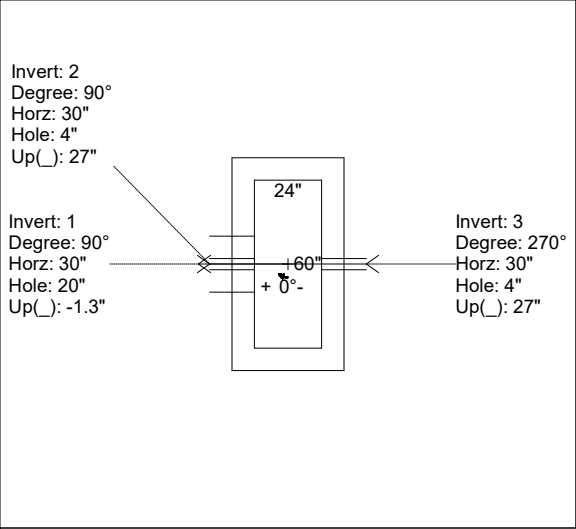
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 36" Height (Ext): 44"	Weight (Net): 6646 lb Volume (Net): 1.7cu.yd
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Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:14 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 231 (423+15 RT)											
P1		BX2460-08BAVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P4) 15" x 59" - P.I.P. - BY OTHERS - 8" P3) 15" x 59" - FIELD ADJUSTMENT - 3" P2) 24" x 60" - BX FLAT LID 8inW, w/15"x59" HOLE (KYTC DBI-13S) F/F - 8" P1) 24" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 36" 1) CASTING - HOE KY-230-G F/G (GRADE) 1) 24" x 60" - Conseal CS-102 1.00" 1) Hole - 20 2) Hole - 4						0 lb 0 lb 1461 lb 6646 lb 237 lb 0 lb 0 lb 0 lb		Structure Notes: **KYTC STATE PROJECT** 1. KYTC DBI TYPE 13S / ASTM C-913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-230S F/G). 4. STUB #5 BARS 4" OUT TOP OF TOP SLAB (SPA AT 12" C/C) AROUND 15"x59" HOLE. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. (DBL MAT). - WALLS (As .31) #5 BARS AT 12" C.C.E.W.. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 551.02' Rim to Invert: 4.61' Slack: 0.32" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	546.41'	90°	38"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 2	548.66'	90°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	27"	0"	
Invert 3	548.66'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	27"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

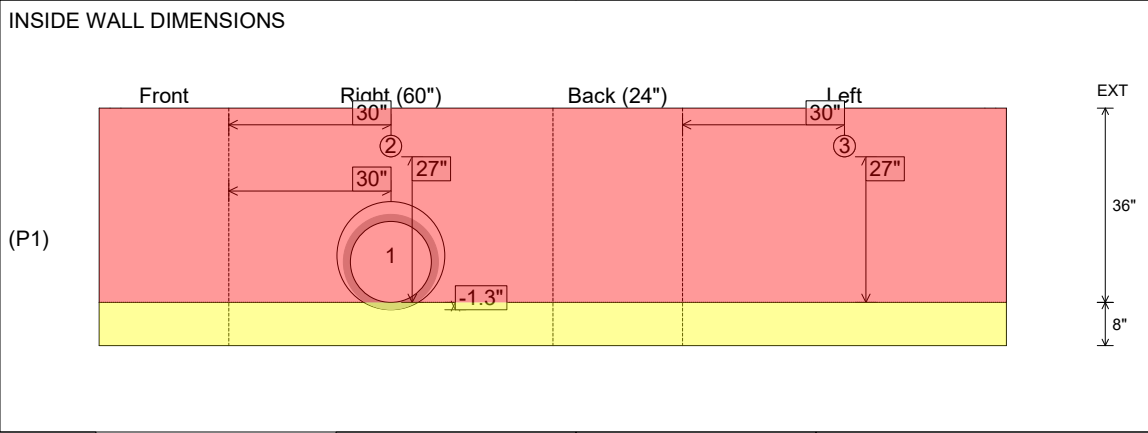
2-Stage Pour Required

Second pour drawing

First pour weight = 2,040 LBS

Second pour weight = 4,606 LBS

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 36" Height (Ext): 44"	Weight (Net): 6646 lb Volume (Net): 1.7cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:33:12 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 474

P2 BX036036-08TS024036

CB TRANSITION SLAB 24"X36" HOLE

P4) 24" x 120" - CB INLET KY A 10' TOP LEFT - 10"
P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT - 18"
P2) 36" x 36" - CB TRANSITION SLAB 24"X36" HOLE - 8"
P1) 36" x 36" - BOX BASE 8inW, 8inF - 54"
1) CASTING - HOE KY-206 F/C (KY TY1)
1) 36" x 36" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 32
1) Hole - 24
2) Hole - 8

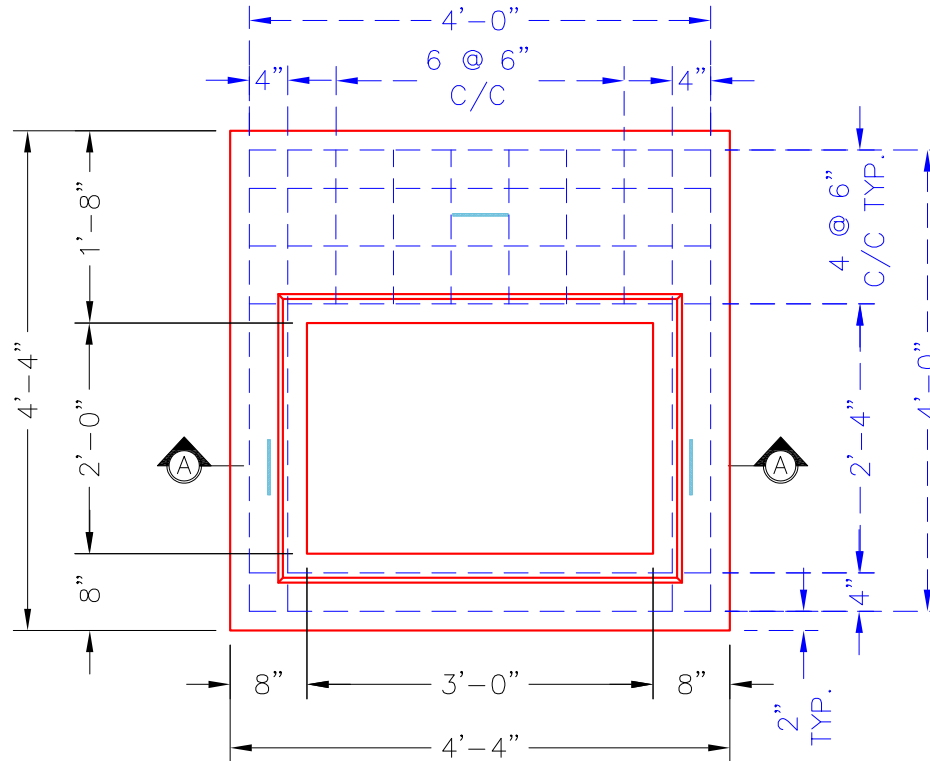
3400 lb
5270 lb
1235 lb
6701 lb
206 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 16812 lb

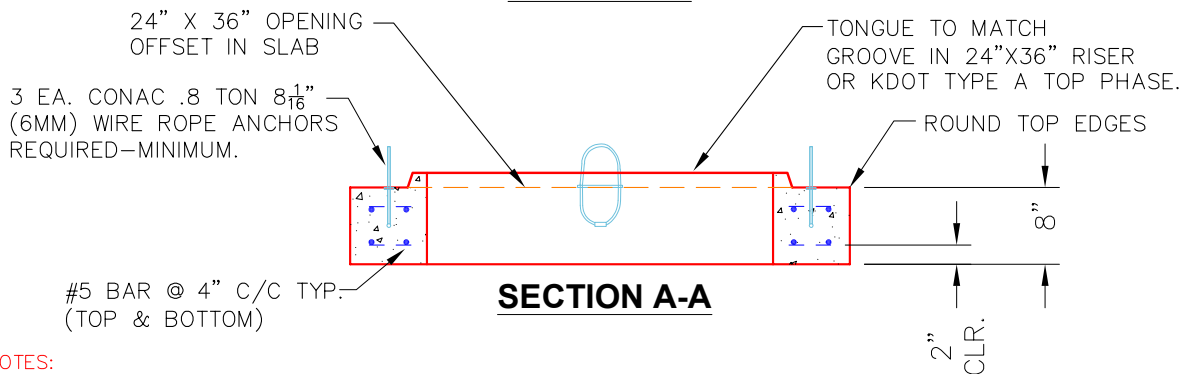
Structure Notes:

**** KYTC STATE PROJECT ****

1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST.
2. CONCRETE = 4,000 PI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



NOTES:

- CONCRETE: 4500 PSI @ 28 DAYS.
- REINFORCING: #5 BAR @ 4" & 6" C/C-GRADE 60.
(TOP & BOTTOM LAYERS).
- 3 EA. CONAC WIRE LOOP LIFTERS REQUIRED.

#5 BAR CUT LIST
20 EA. @ 48" LG.
12 EA. @ 16" LG.

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 1235 lb
Volume (Net): 0.32cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

Tech: Jared - A

7/1/2026 12:33:14 PM

PC: J. Jarvis



Structure ID: 468

P2 BX024030-08LD08-15X27

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

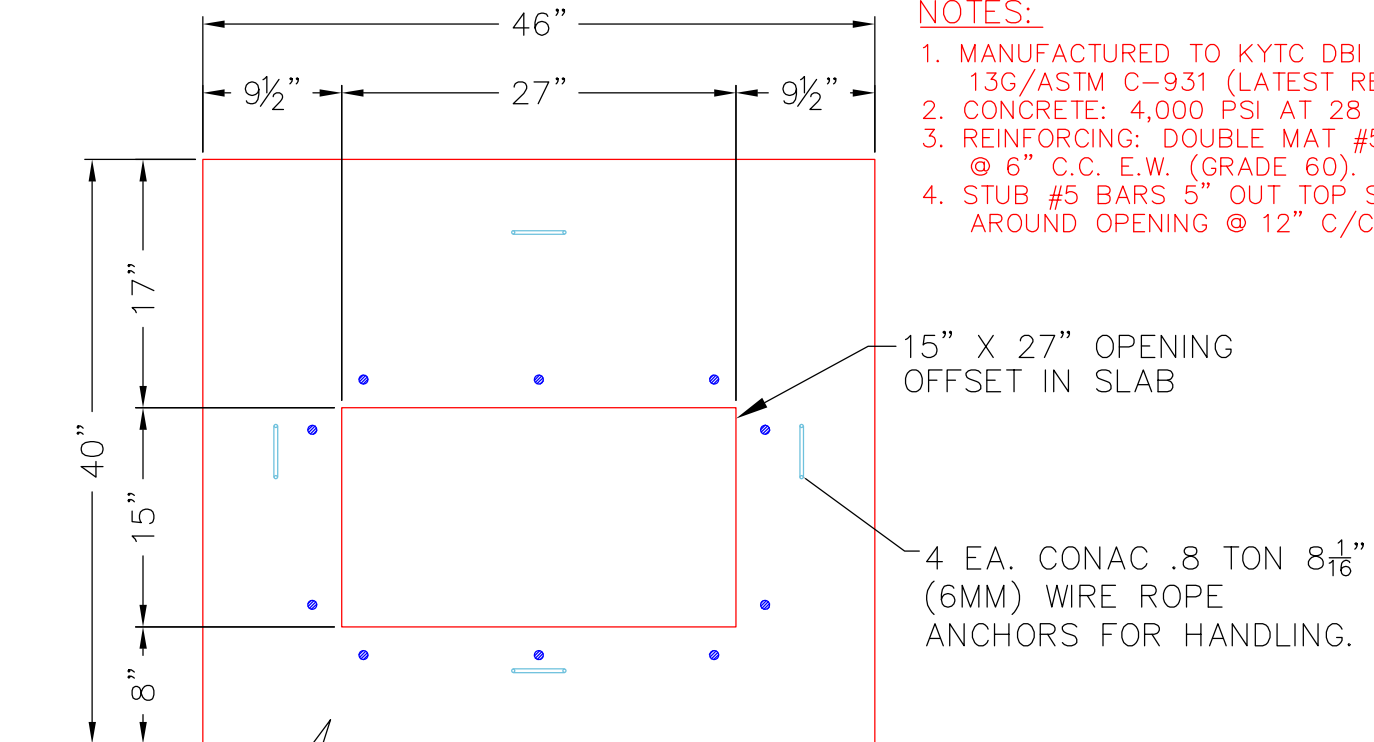
P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 40"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
1) Hole - 24
2) Hole - 4

0 lb
963 lb
4607 lb
237 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 5807 lb

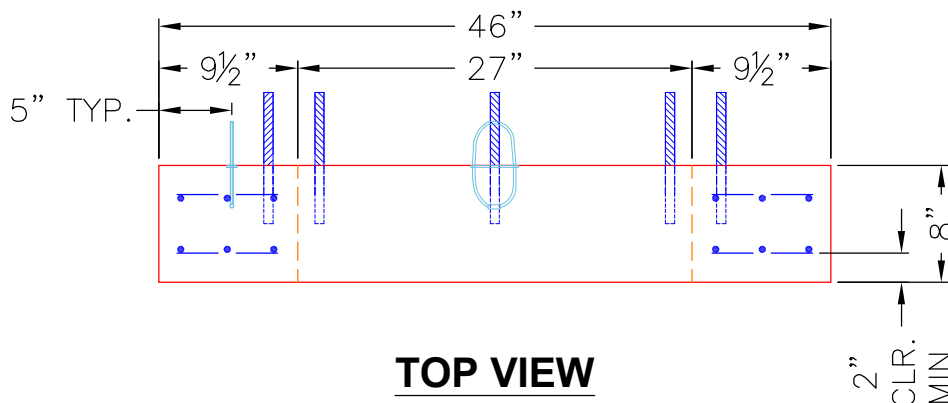
Structure Notes:

KYTC STATE PROJECT

1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB
(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE



PLAN VIEW



TOP VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

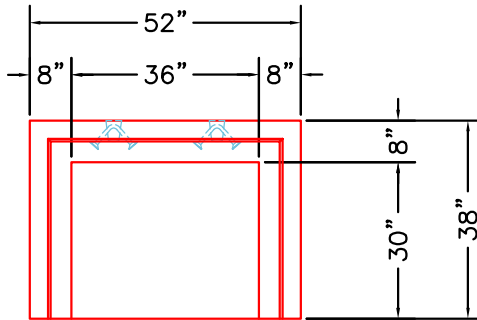
Wall Thickness: 8"

Height (Ext): 8"

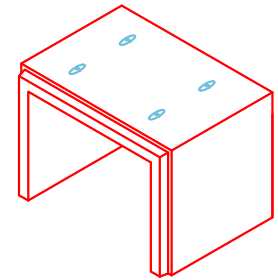
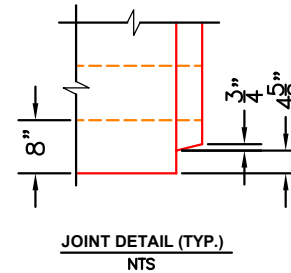
Weight (Net): 963 lb
Volume (Net): 0.25cu.yd

GENERAL NOTES

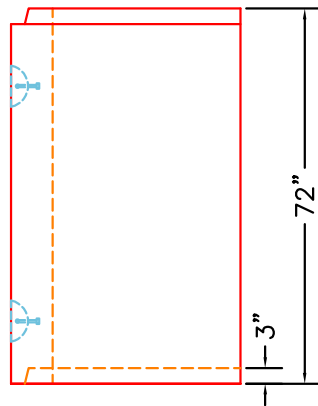
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCING: PER ASTM C1577 (GRADE 60). SEE ATTACHED STAMPED DESIGN CALCULATIONS.
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 36" X 30" X 69" LONG SECTION = 5,188 LBS.



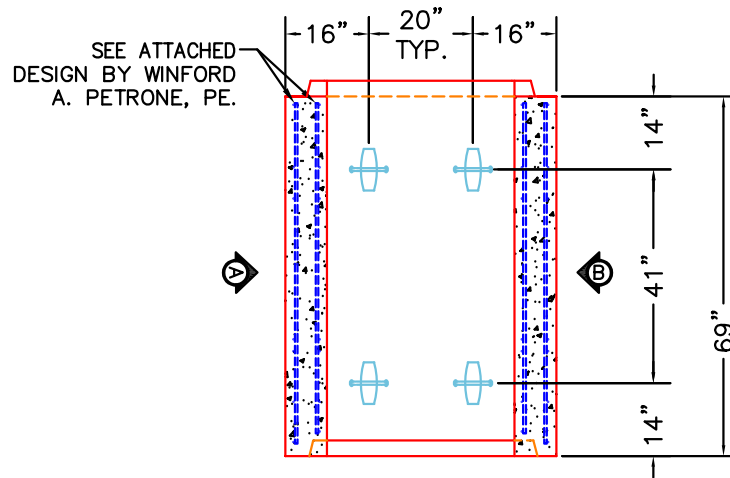
END VIEW



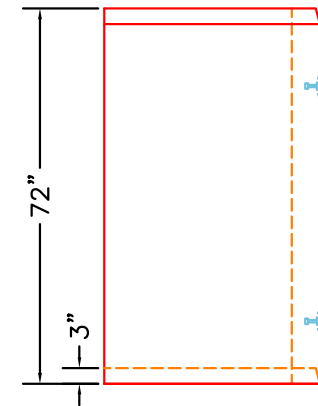
**COMPONENT
ISOMETRIC VIEW**



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

4 EA. CONAC 5CA14
LIFTING ANCHORS

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 5,188 LBS.

TOP JOINT: TONGUE

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 36" X 30" X 69" LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 36" X 30" X 69" BOX CULVERT (P3)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/31/26

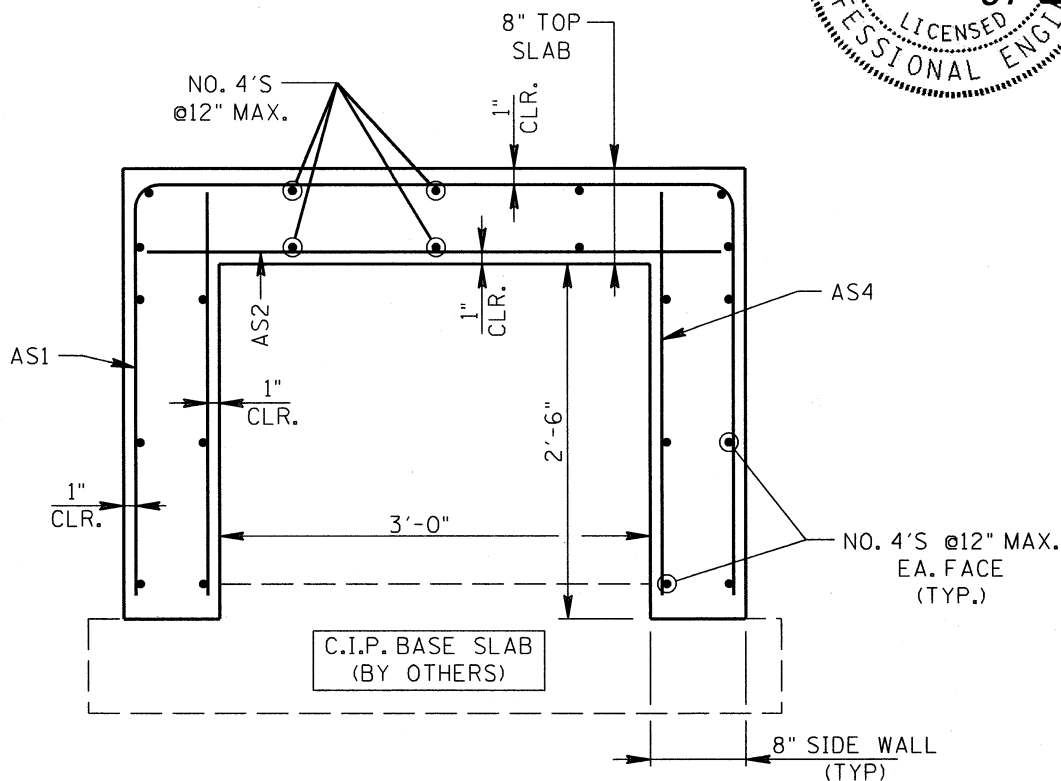
SCALE: NTS

PG. 1 of 1

58/60

NOTE: SEE "PRECAST DESIGN SUBMITTALS, CONCRETE COMPONENTS" SHEET FOR SUMMARY OF BUILDING AND DESIGN CODES, MATERIALS REQUIREMENTS, AND DESIGN LOADS.

NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.

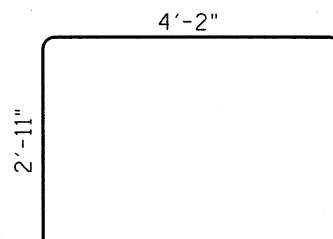


PRECAST TUNNEL SECTION

3'-0"X2'-6" STEAM TUNNEL RUN #2
NON-BEND UNITS

NOTE: CLEARANCE BETWEEN CUT-OFF
ENDS OF BARS AND OUTSIDE
FACES OF CONCRETE=2".

REINFORCING STEEL		
LOCATION	REQUIRED	COMMENTS
AS1	NO. 4'S@10"	BEND AS SHOWN
AS2	NO. 4'S@10"	EXTEND TO EXTER. FACES
AS3	NOT USED	NOT USED
AS4	NO. 4'S@12"	



BARS AS1

AS1, AS2, AND AS4 REINFORCING BARS

Fy-min=60 K.S.I.

THIS SECTION TO BE USED FOR ALL
RUN #2: NON-ANGLED UNITS,
RECTANGULAR IN PLAN VIEW.

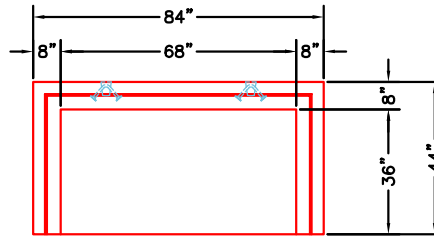
SK-4

PRECAST STEAM TUNNELS: RUN NO. 2, TYPICAL UNIT SECTION

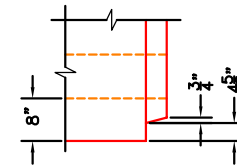
UK BP9 SITE THERMAL AND ELECTRIC: 3'-0"X2'-6" STEAM TUNNEL RUN #2

GENERAL NOTES

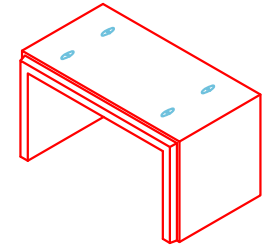
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. 2. CONCRETE: 5,000 PSI AT 28 DAYS
3. .LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCEMENT PER ATTACHED DESIGN BY WINFORD A. PETRONE, PE
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 68" X 36" X 81 $\frac{5}{8}$ " LONG SECTION = 8,478 LBS.



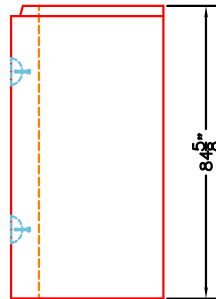
END VIEW



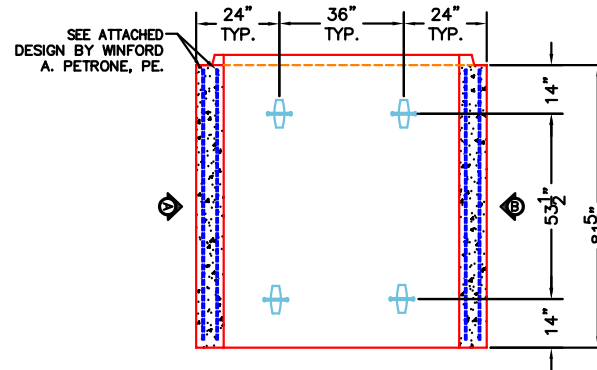
JOINT DETAIL (TYP.)
NTS



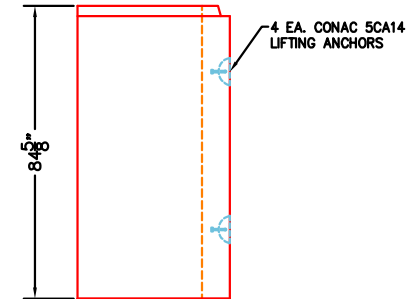
COMPONENT
ISOMETRIC VIEW



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 8,478 LBS.

TOP JOINT: TONGUE

BOTTOM JOINT: FLAT

QC CHECK INITIALS:

DESCRIPTION: 68" X 36" X 81 $\frac{5}{8}$ " LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 68" X 36" X 81 $\frac{5}{8}$ " BOX CULVERT (P1)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

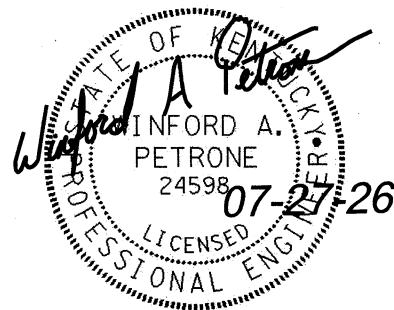
DATE: 07/31/26

SCALE: NTS

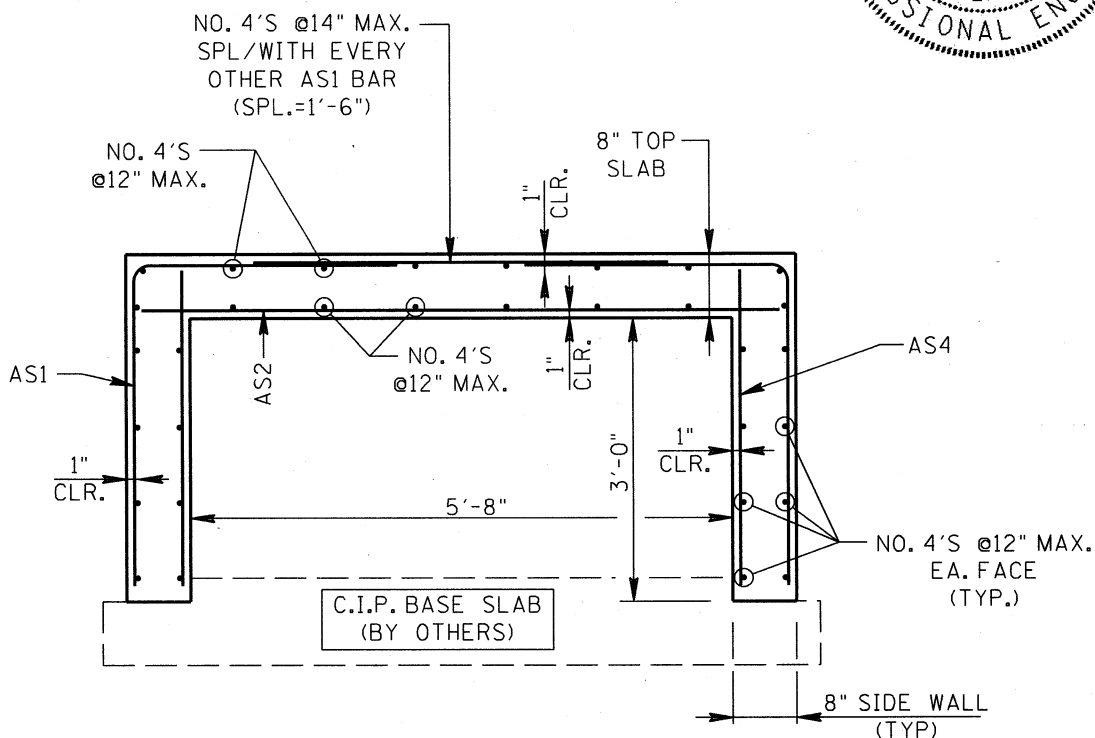
PG. 1 of 1

NOTE: SEE "PRECAST DESIGN SUBMITTALS, CONCRETE COMPONENTS" SHEET FOR SUMMARY OF BUILDING AND DESIGN CODES, MATERIALS REQUIREMENTS, AND DESIGN LOADS.

NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.



55/60

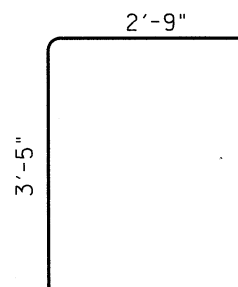


PRECAST TUNNEL SECTION

5'-8"X3'-0" STEAM TUNNEL RUN #1
NON-WEDGED UNITS

NOTE: CLEARANCE BETWEEN CUT-OFF
ENDS OF BARS AND OUTSIDE
FACES OF CONCRETE=2".

REINFORCING STEEL		
LOCATION	REQUIRED	COMMENTS
AS1	NO. 4'S@7"	BEND AS SHOWN
AS2	NO. 4'S@7"	EXTEND TO EXTER. FACES
AS3	NOT USED	NOT USED
AS4	NO. 4'S@12"	



BARS AS1

AS1, AS2, AND AS4 REINFORCING BARS

Fy-min=60 K.S.I.

THIS SECTION TO BE USED FOR ALL
RUN #1: NON-WEDGED UNITS.
RECTANGULAR IN PLAN VIEW.

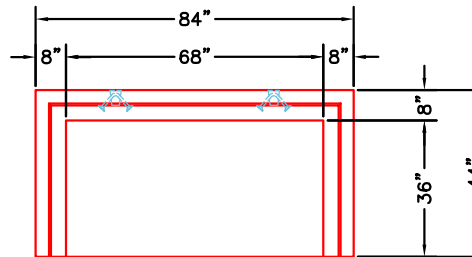
SK-1

PRECAST STEAM TUNNELS: RUN NO.1, TYPICAL UNIT SECTION

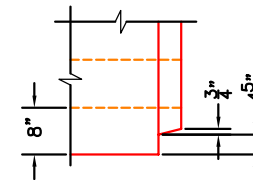
UK BP9 SITE THERMAL AND ELECTRIC: 5'-8"X3'-0" STEAM TUNNEL RUN #1

GENERAL NOTES

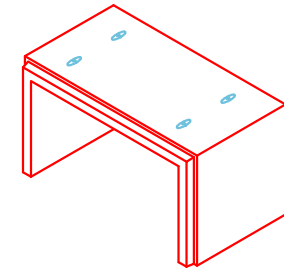
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. .LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCEMENT PER ATTACHED DESIGN BY WINFORD A. PETRONE, PE
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 68" X 36" X 69" LONG SECTION = 7,226 LBS.



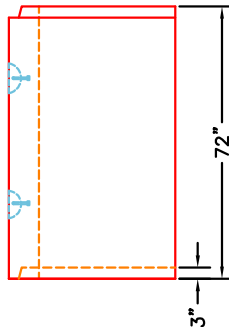
END VIEW



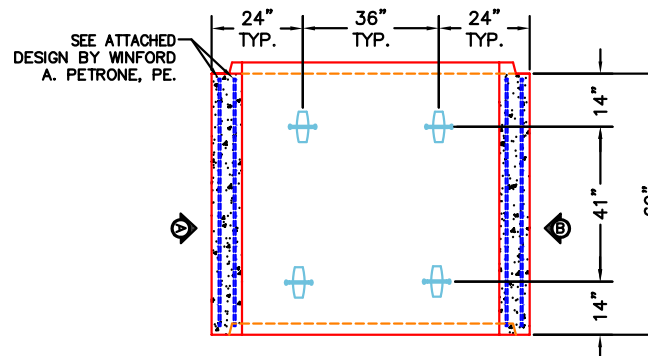
JOINT DETAIL (TYP.)
NTS



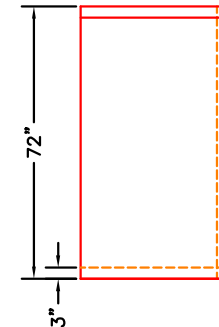
COMPONENT
ISOMETRIC VIEW



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 7,226 LBS.

TOP JOINT: TONGUE

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 68" X 36" X 69" LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 68" X 36" X 69" BOX CULVERT (P2)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

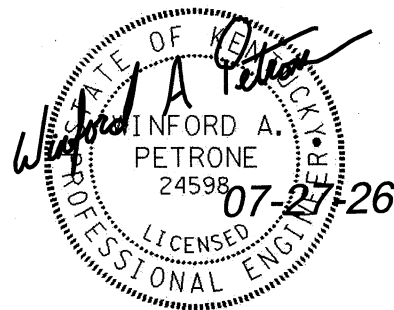
DATE: 07/31/26

SCALE: NTS

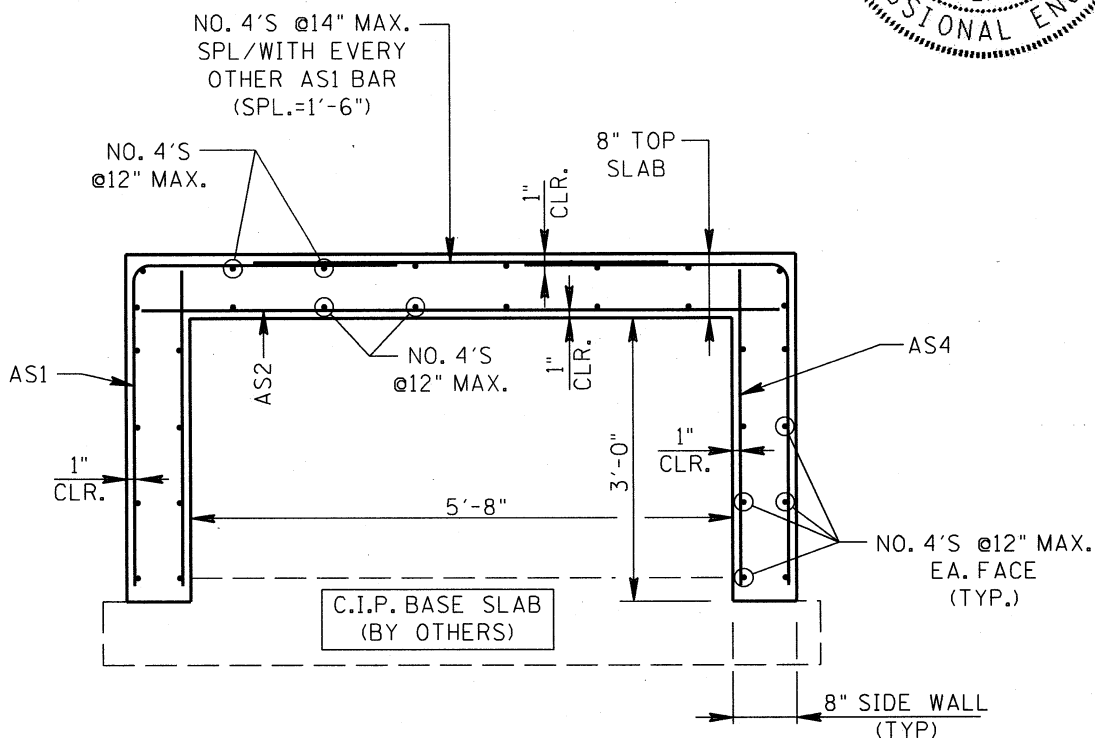
PG. 1 of 1

NOTE: SEE "PRECAST DESIGN SUBMITTALS, CONCRETE COMPONENTS" SHEET FOR SUMMARY OF BUILDING AND DESIGN CODES, MATERIALS REQUIREMENTS, AND DESIGN LOADS.

NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.



55/60

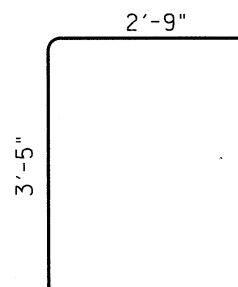


PRECAST TUNNEL SECTION

5'-8"X3'-0" STEAM TUNNEL RUN #1
NON-WEDGED UNITS

NOTE: CLEARANCE BETWEEN CUT-OFF
ENDS OF BARS AND OUTSIDE
FACES OF CONCRETE=2".

REINFORCING STEEL		
LOCATION	REQUIRED	COMMENTS
AS1	NO. 4'S@7"	BEND AS SHOWN
AS2	NO. 4'S@7"	EXTEND TO EXTER. FACES
AS3	NOT USED	NOT USED
AS4	NO. 4'S@12"	



BARS AS1

AS1, AS2, AND AS4 REINFORCING BARS

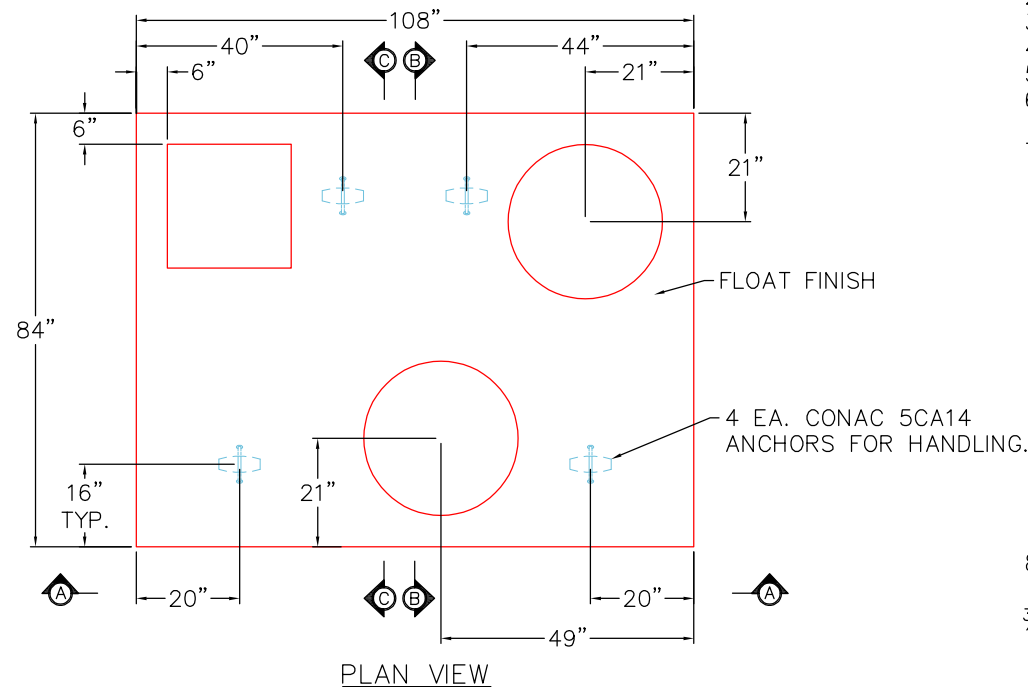
Fy-min=60 K.S.I.

THIS SECTION TO BE USED FOR ALL
RUN #1: NON-WEDGED UNITS,
RECTANGULAR IN PLAN VIEW.

SK-1

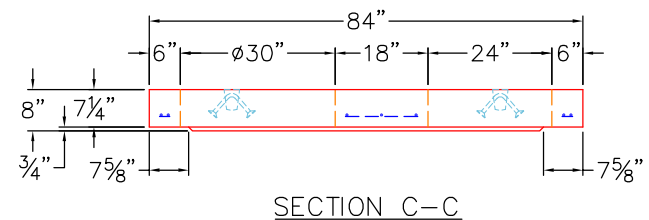
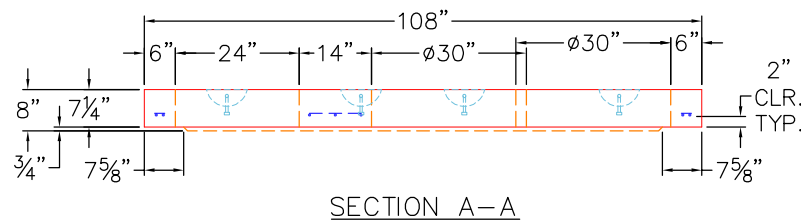
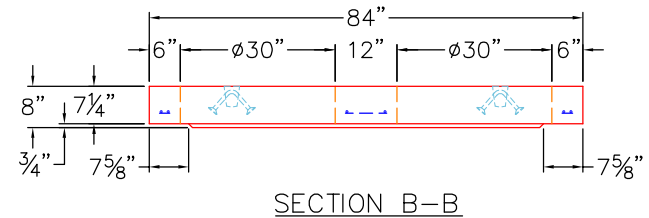
PRECAST STEAM TUNNELS: RUN NO.1, TYPICAL UNIT SECTION

UK BP9 SITE THERMAL AND ELECTRIC: 5'-8"X3'-0" STEAM TUNNEL RUN #1



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: PER ATTACHED DESIGN BY CONTECH.
4. WEIGHT = 4,600 LBS
5. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
6. INLET & OUTLET PIPE OPENINGS TO BE STENCILED ONTO THE OUTSIDE OF THE PRODUCT.
7. VAULT JOINT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).



PRODUCTION WORK ORDER

PRODUCT I.D.: BX072096-06LD08S

DESCRIPTION: 72" X 96" X 7 1/4" VAULT TOP SLAB



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ HATCH INSTALLED CORRECT.
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ EDGES CHAMFERED.
- ☐ ALL PATCHWORK ACCEPTABLE.

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: CONTECH ENGINEERING SOLUTIONS

PLANT: BEAVER DAM, KY.

PROJECT: 833109 WAWA NO. 7018

WEIGHT: 4,600 LBS.

STRUCTURE: 10-KFPD0608

TOP SECTION JOINT: N/A

ORDER NO: 26-3104

BASE SECTION JOINT: N/A

PC: C. GOFF

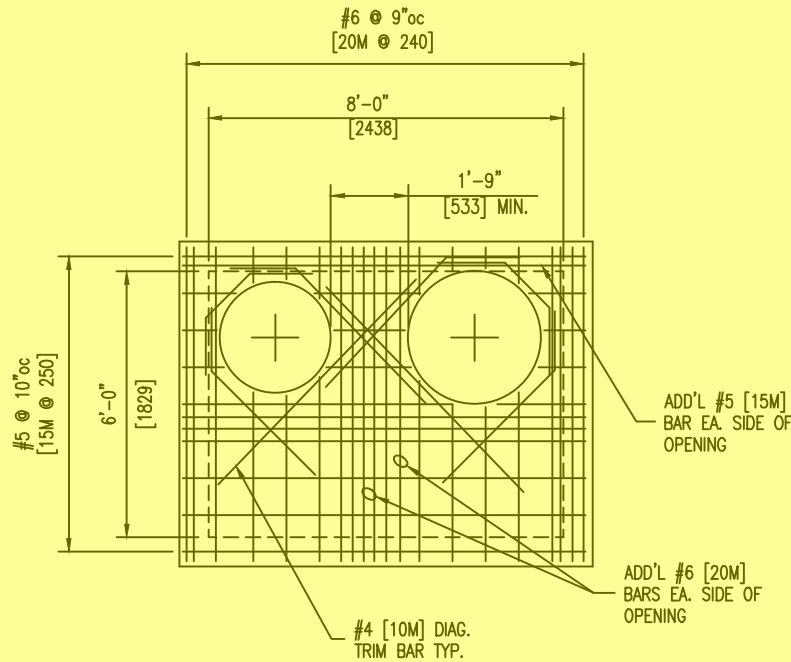
DRAWING: S. FELLETER

QC CHECK INITIALS:

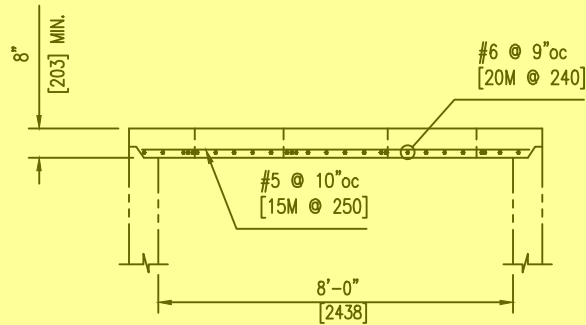
DATE: 07/28/26

SCALE: NTS

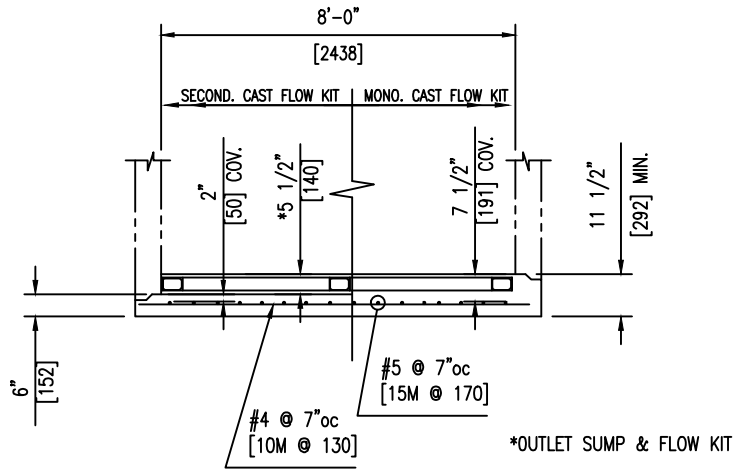
PG. 1 of 1



PLAN VIEW
(TOP SLAB)
ALL COVER 2"[51] U.N.O.
(BAR WEIGHT = 141 LBS.)
REFERENCE CONTECH DRAWINGS FOR OPENING SIZES AND LOCATIONS. (36"Ø MAX.)

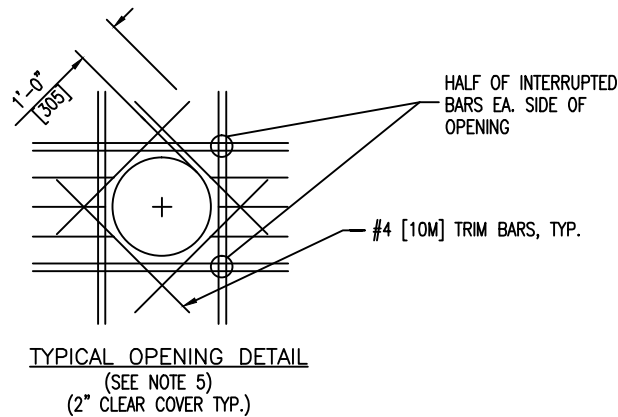


SECTION VIEW
(TOP SLAB)
ALL COVER 2"[51] U.N.O.



SECTION VIEW
(BOTTOM SLAB - SIDEWALL)
COVER AS SHOWN
(BAR WEIGHT = 202 LBS.)

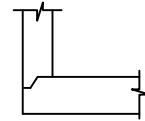
FOR USE WITH FULL HEIGHT RISER ONLY
FOR SECONDARY POUR FLOW KIT: ADJUST RISER HEIGHT TO MAINTAIN 6' MAX. I.D.



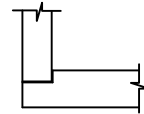
TYPICAL OPENING DETAIL
(SEE NOTE 5)
(2" CLEAR COVER TYP.)

LAYOUT OPTIONS:

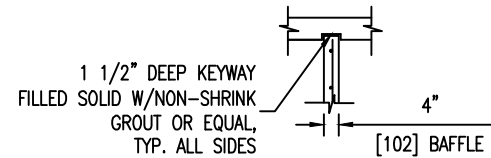
- LAYOUT 2 FULL HEIGHT BOTTOM UNIT WITH SECONDARY POUR BASE SLAB AND SEPARATE TOP SLAB.
- LAYOUT 3 FULL HEIGHT RISER UNIT WITH SEPARATE BASE SLAB & TOP SLAB.
- LAYOUT 4 MONOLITHIC HALF HEIGHT TOP AND BOTTOM UNITS.
- LAYOUT 6 MONOLITHIC FULL HEIGHT BASE UNIT WITH SEPARATE TOP SLAB.
- LAYOUT 7 MONOLITHIC HALF HEIGHT BASE UNIT WITH HALF HEIGHT RISER UNIT AND SEPARATE TOP SLAB.
- LAYOUT 9 MONOLITHIC HALF HEIGHT BASE UNIT AT VARYING HEIGHTS UP TO 3' MAX. USE FULL HEIGHT RISER DESIGN SHOWN TO HEIGHT REQUIRED AND SEPARATE TOP SLAB. MAX. I.D. OF COMPLETED VAULT TO BE 6'.



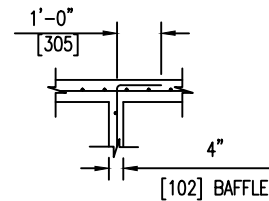
ALTERNATE JOINT DETAIL
(BASE SLAB)



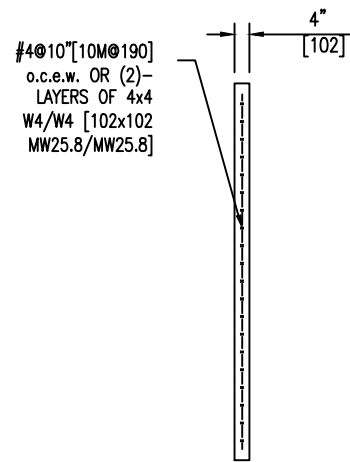
ALTERNATE JOINT DETAIL
(BASE SLAB)



KEYWAY BAFFLE CONNECTION
(PLAN VIEW)
LENGTH OF KEYWAY AS REQUIRED



MONOLITHIC BAFFLE CONNECTION
(PLAN VIEW)



SECTION VIEW
(BAFFLE)
PLACE REINFORCING IN CENTER OF WALL

PREPARED FOR:

TITLE: STORMFILTER 8 X 6 - BASE & ROOF SLAB & BAFFLE

PROJECT: STORMFILTER

DRAWN BY: KMK

CHECKED BY: SLV

SCALE: NONE

DATE: 10/2009

JOB No: 2007.025.058

NUMBER: SF8X6

Job Name: 26-2018 - Hancock County Middle School Addition
Job Location: Lewisport, KY
Contractor: Mechanical Consultants Inc

Plant: 100

7/24/2026 1:22:43 PM

Tech: Jared - F

PC: T. Lewis



Structure ID: M.V. MV-2

P2 BX072120-08LD08S

CB FLAT TOP 8"W w/30"x30" HATCH F/F

P3) 30" x 30" - HATCH (CAST FLUSH) - 3"
P2) 72" x 120" - CB FLAT TOP 8"W w/30"x30" HATCH F/F - 8"
P1) 72" x 120" - BOX BASE 8inW, 8inF, Variable Ht F/n - 64"
1) HATCH (Alum.) - HALLIDAY W1S 30"x30"
1) 72" x 120" - Conseal CS-102 1.00" (Double)
1) 30" x 30" - Conseal CS-102 1.00" (Double)
2) Hole - 10
1) Hole - 4

100 lb
7430 lb
25793 lb
62 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total:

33385 lb

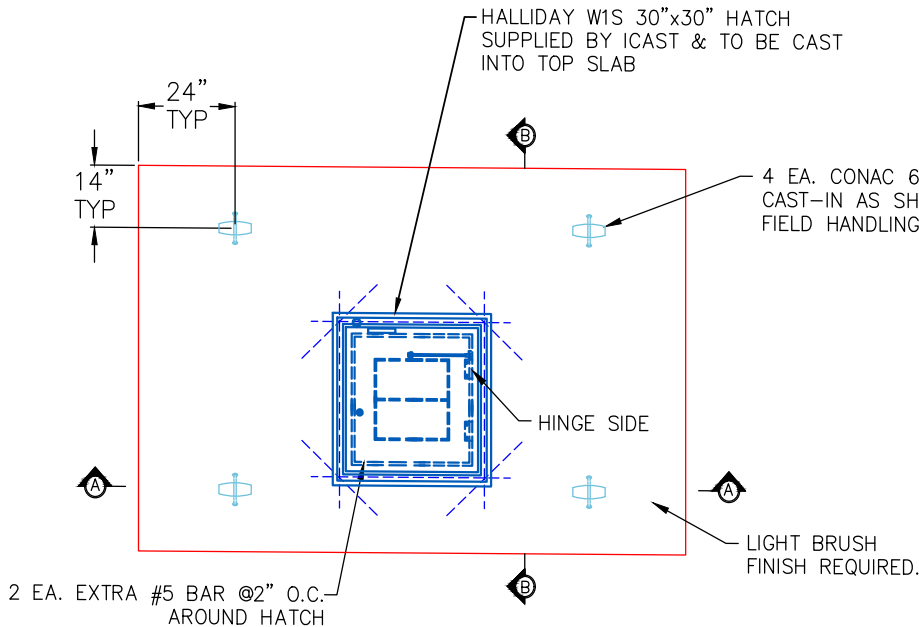
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HALLIDAY W1S 30"x30")

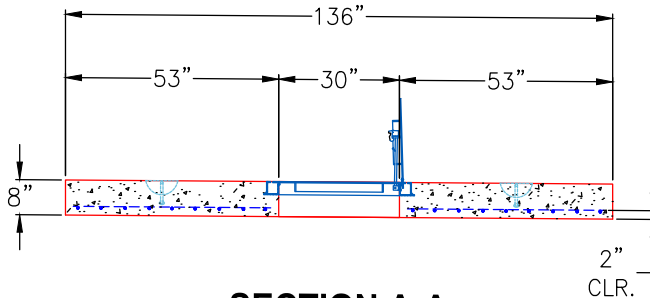
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION)
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" E.W. O.C. (GRADE 60)
4. HATCH: HALLIDAY W1S 30"x30" HATCH SUPPLIED BY ICAST TO BE CAST INTO TOP SLAB.
5. HATCH TO BE CAST INTO TOP OF LID.

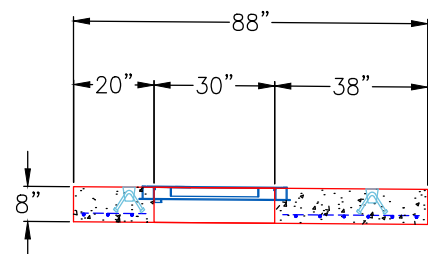


PLAN VIEW



SECTION A-A

(RIGHT-SIDE-UP VIEW)



SECTION B-B

(RIGHT-SIDE-UP VIEW)

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 7430 lb
Volume (Net): 1.9cu.yd

Job Name: 26-2945 - The Cumberlands Lift Station
Job Location: Bowling Green, KY
Contractor: Endesol, Inc.

Plant: Beaver Dam

7/21/2026 1:57:23 PM

Tech: J. Coppage

PC: E. Bradley



Structure ID: Combo Lift Station

P3 CTS

Combined Lift Station Top Slab Custom

- P4) 36" x 54" - HATCH (CAST FLUSH) - 3"
P3) 96" - Combined Lift Station Top Slab Custom - 12"
P2) 96" - Combined Lift Station Walls/Floor - 59"
P1) 96" - MH BASE (12"F) Custom Ht - 64"
1) JOINT WRAP - 12" WD x 096" MAC WRAP
1) Cast-in Item - 2x Hatches
1) SECONDARY POUR - Walls For Vault Sect.
1) SECONDARY POUR - Vault Extension
1) HATCH (Alum.) - HALLIDAY S1R 36"x54"
1) HATCH (Alum.) - HALLIDAY S1R 42"x42"
1) SPECIAL Pre-Assembly of Internal Material Required
1) 96" - Conseal CS-231 1.00" (Double)
1) 36" x 54" - Conseal CS-231 1.00" (Double)
1) PSX - 8QRS-S NYLO
1) PSX - 12-08 NYLO
5) MH Step ML-10-TDS-NCR - 10"

100 lb
11763 lb
31830 lb
26136 lb
0 lb
0 lb
0 lb
0 lb
0 lb
91 lb
93 lb
0 lb
0 lb
0 lb
0 lb
6 lb
8 lb
0 lb

Structure Total: 70029 lb

Structure Notes:

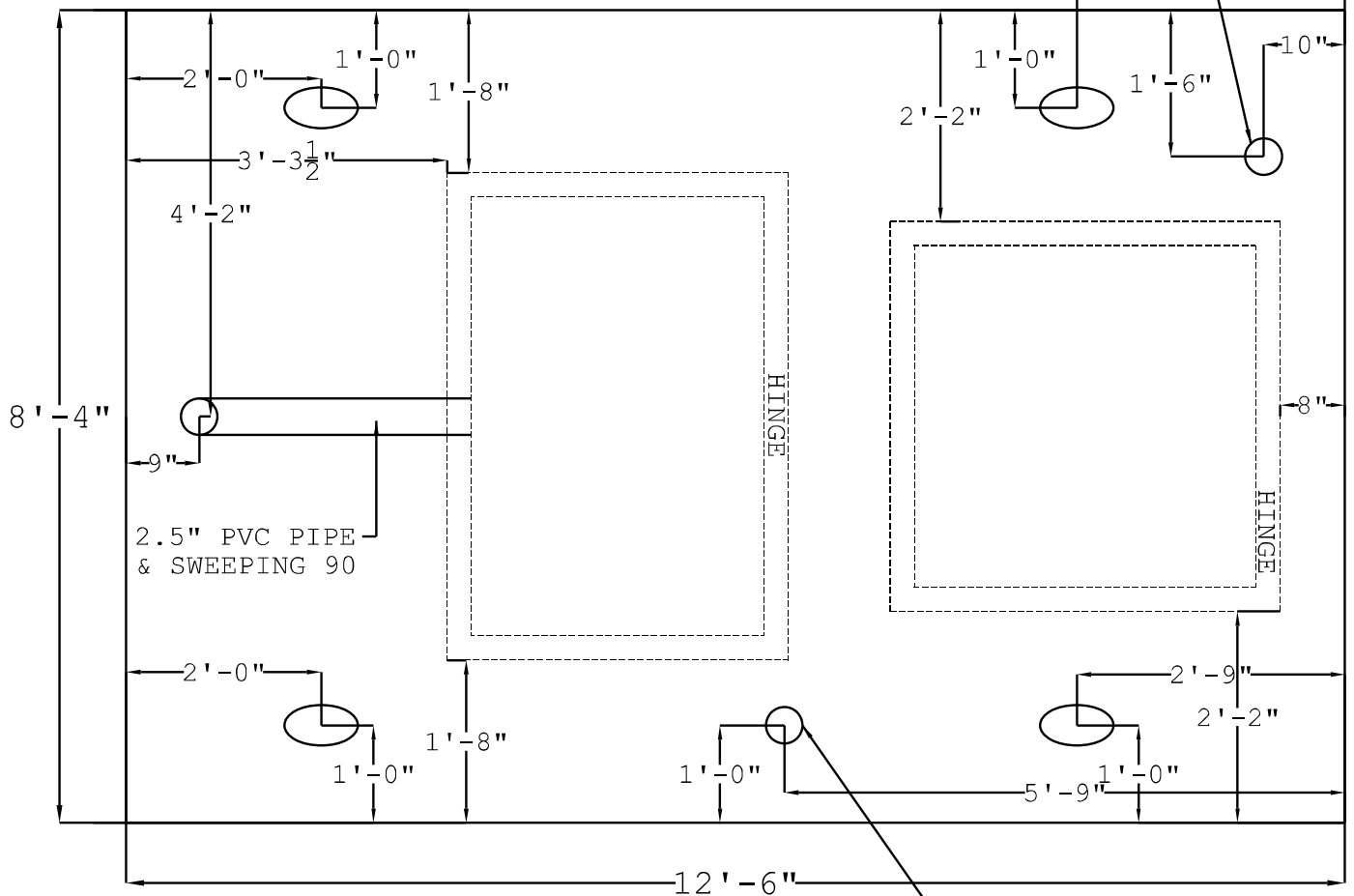
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).

GRADE 60 REINFORCING STEEL SCHEDULE

BASE SLAB: #6 @ 6" OC EW TOP, #5 @ 12" EW BOT
VALVE VAULT FLOOR SLAB: #5 @ 8" OC EW
VALVE VAULT WALL SECTION: #5 @ 12" OC EW
LID SLAB: #4 @ 12" OC EW TOP, #5 @ 12" EW BOT
(EXTRA #5 BAR AROUND THE HATCHES)

12" THICK TOP SLAB

4.5"x18" SS.
NIPPLE CAST INTO
TOP SLAB



TOP SLAB

4.5"x12" SS.
NIPPLE CAST INTO
TOP SLAB
THREADS STICKING UP
2" OUT OF CONCRETE

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 7"

Height (Ext): 12"

Weight (Net): 11765 lb
Volume (Net): 3cu.yd