

Job Name: 26-2087 839373 Georgetown Commons  
 Job Location: Georgetown, KY  
 Contractor: Contech Engineering Solutions

Plant: Beaver Dam  
 4/27/2026 2:30:10 PM

Tech: S. Felletter  
 PC: C. Goff



**Structure ID: 25-CS-10**

**P3 MH120RS72**

**MH RISER NO STEPS T/G**

- P5) 24" - CASTING HEIGHT - 4"
- P4) 120" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18"
- P3) 120" - MH RISER NO STEPS T/G - 72"
- P2) 120" - MH RISER NO STEPS T/G - 84"
- P1) 120" - MH MONOBASE 14F, Custom Ht T/n - 36"
- 1) CVSTENCILING
- 1) ASSEMBLY REQUIRED - BRACKETS ONLY
- 3) 120" - Conseal CS-102 1.00"
- 2) Hole - 32

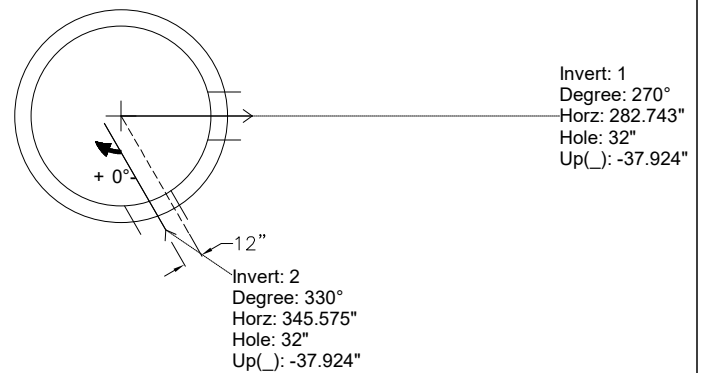
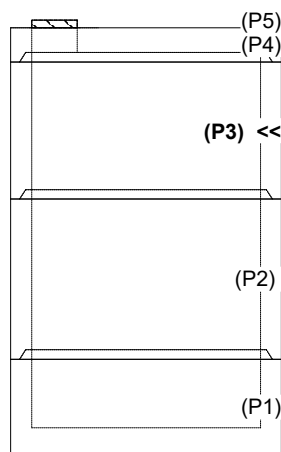
0 lb  
 16223 lb  
 27351 lb  
 30395 lb  
 32280 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 Structure Total: 106248 lb

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

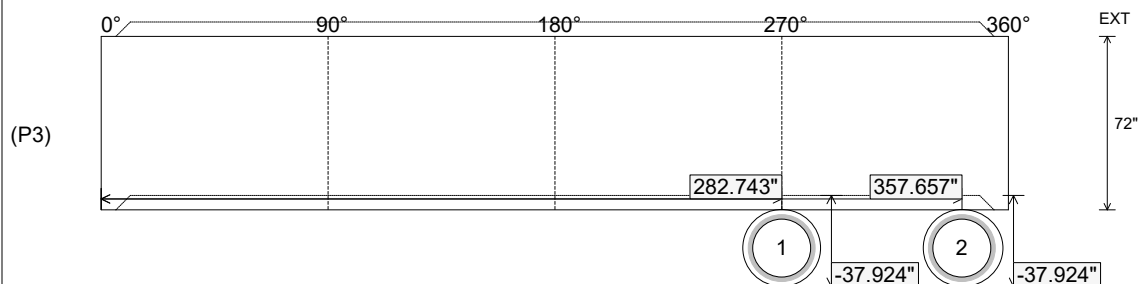
Rim: 871.4' Rim to Invert: 10.3' Slack: 1.676" Sump: 92.076" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	861.1'	270°	334.58"	24" HDPE	27.8"	Hole 32	32"	32.392"	-37.924"	0"
Invert 2	861.1'	330°	420.989"	24" HDPE	27.8"	Hole 32	32"	33.134"	-37.924"	12"
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: 11"  
 Floor Height: 0"

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

Weight (Net): 27351 lb  
 Volume (Net): 6.99cu.yd

**Structure ID: 25-CS-10**

**P1 MH120BVF**

**MH MONOBASE 14F, Custom Ht T/n**

P5) 24" - CASTING HEIGHT - 4" P4) 120" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18" P3) 120" - MH RISER NO STEPS T/G - 72" P2) 120" - MH RISER NO STEPS T/G - 84" P1) 120" - MH MONOBASE 14F, Custom Ht T/n - 36" 1) CVSTENCILING 1) ASSEMBLY REQUIRED - BRACKETS ONLY 3) 120" - Conseal CS-102 1.00" 2) Hole - 32	0 lb 16223 lb 27351 lb 30395 lb 32280 lb 0 lb 0 lb 0 lb 0 lb ----- 106248 lb	<b>Structure Notes:</b> 4" CASTING BY OTHERS  LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE  ICAST TO INSTALL BRACKETS ONLY  CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE
--	--	---

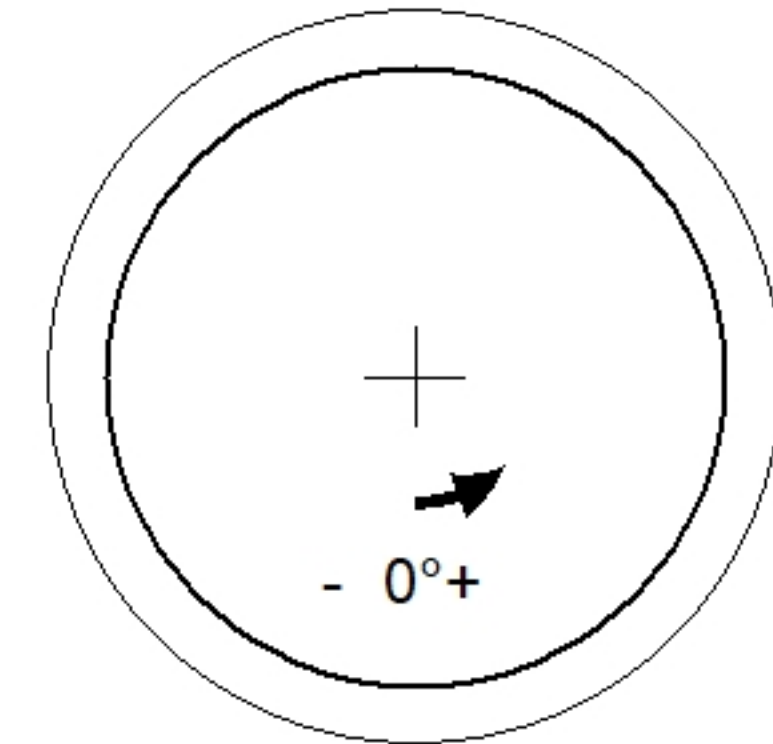
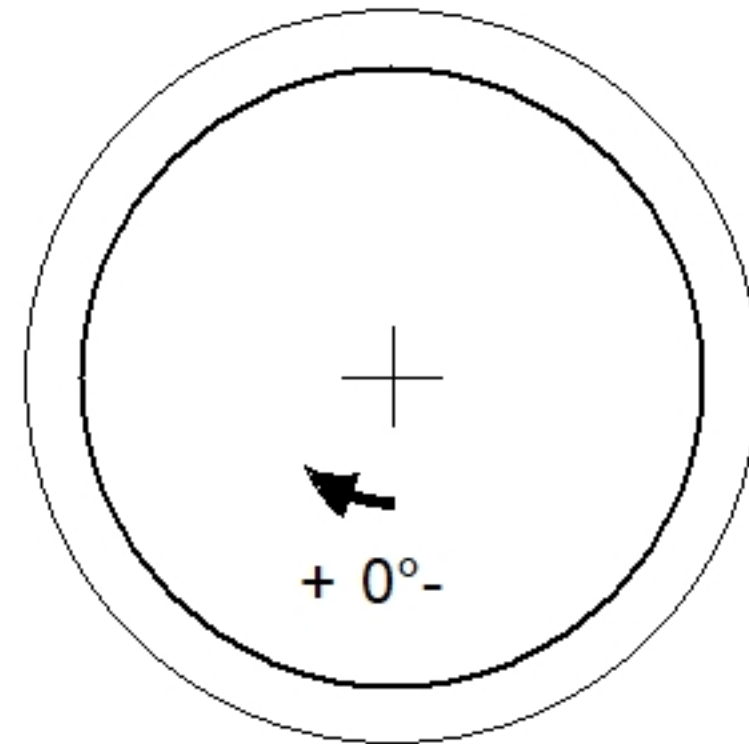
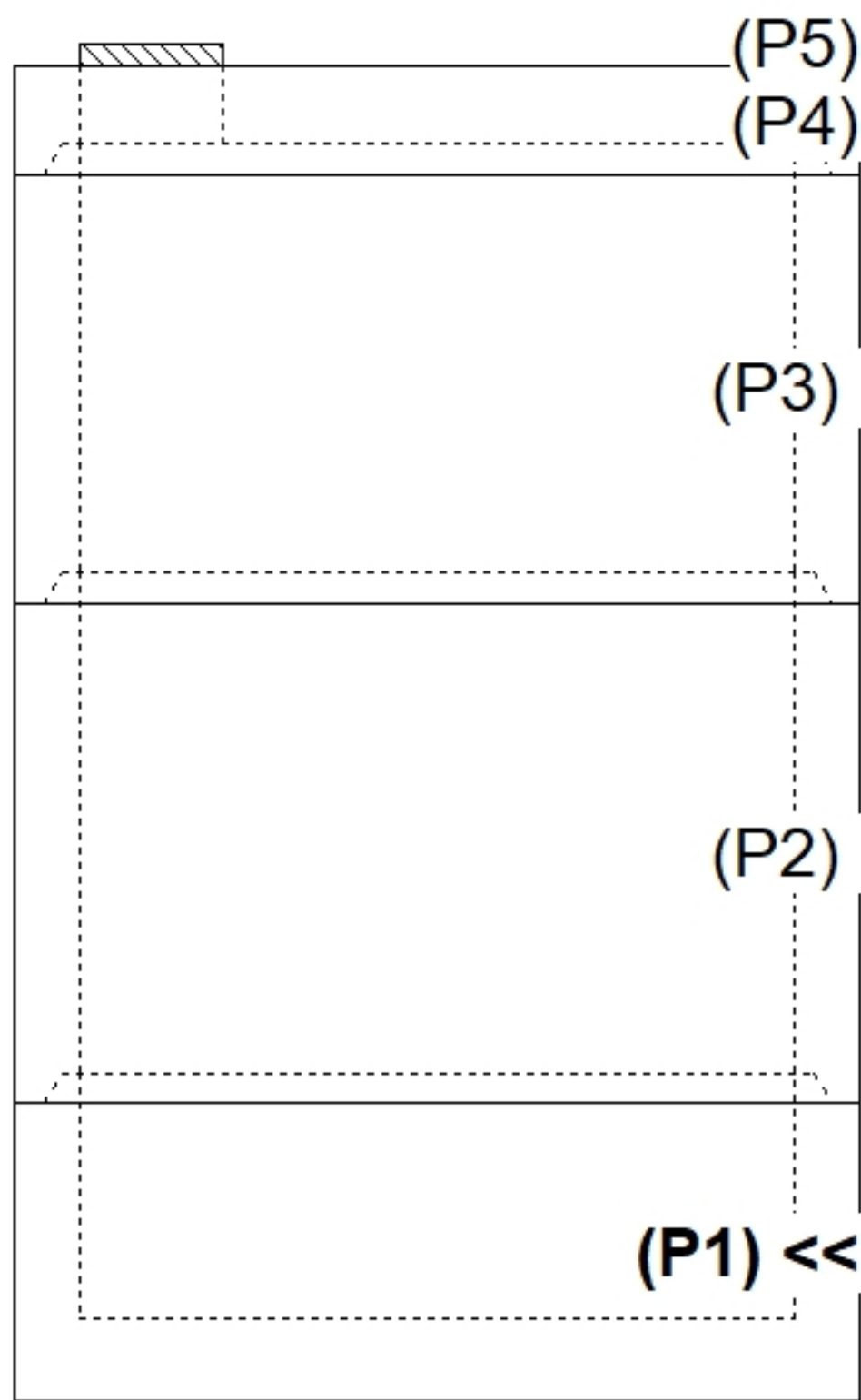
Structure Total: 106248 lb

Rim: 871.4'    Rim to Invert: 10.3'    Slack: 1.676"    Sump: 92.076"    Step Position:

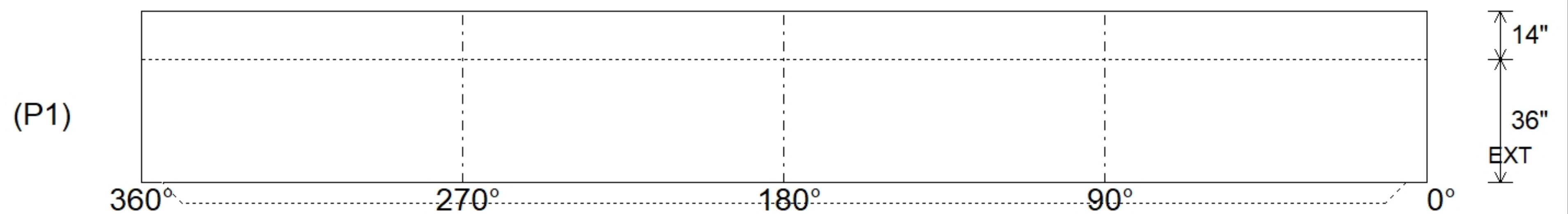
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 11"	Height (Int): 36"	Weight (Net): 32280 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 14"	Height (Ext): 50"	Volume (Net): 8.24cu.yd

**Structure ID: 102 (8)**

**P4 MH048RS72CDARED**

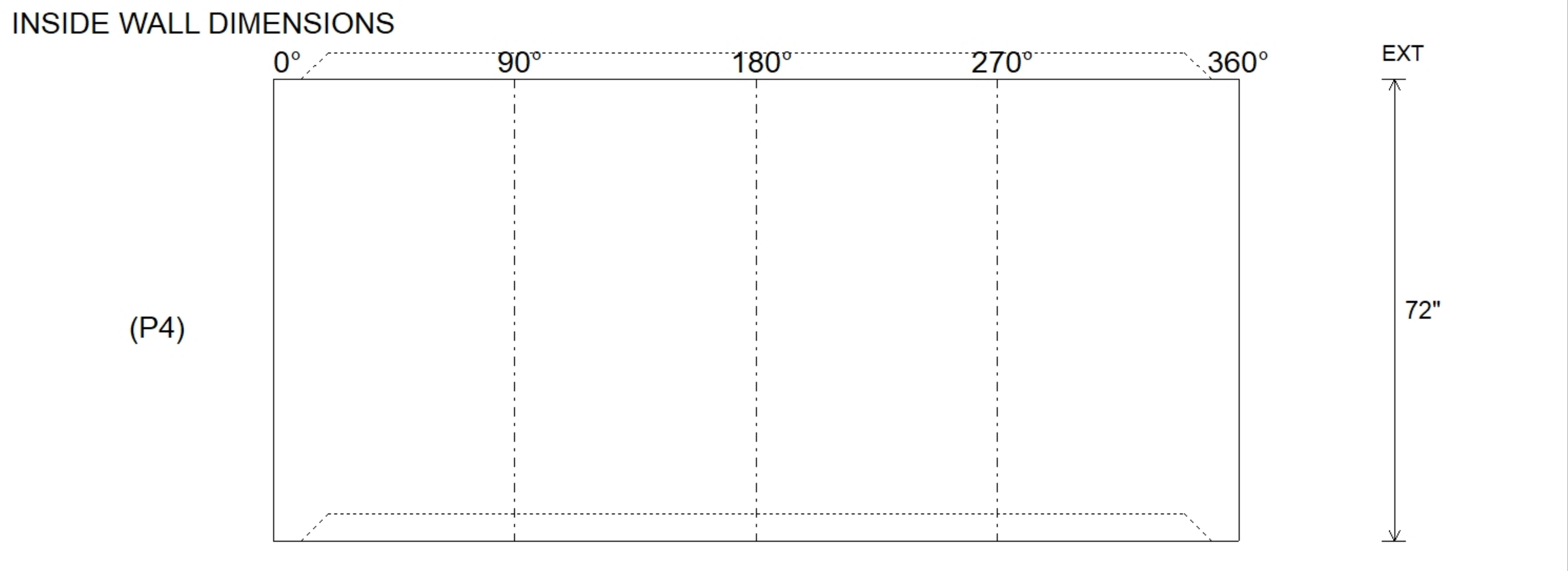
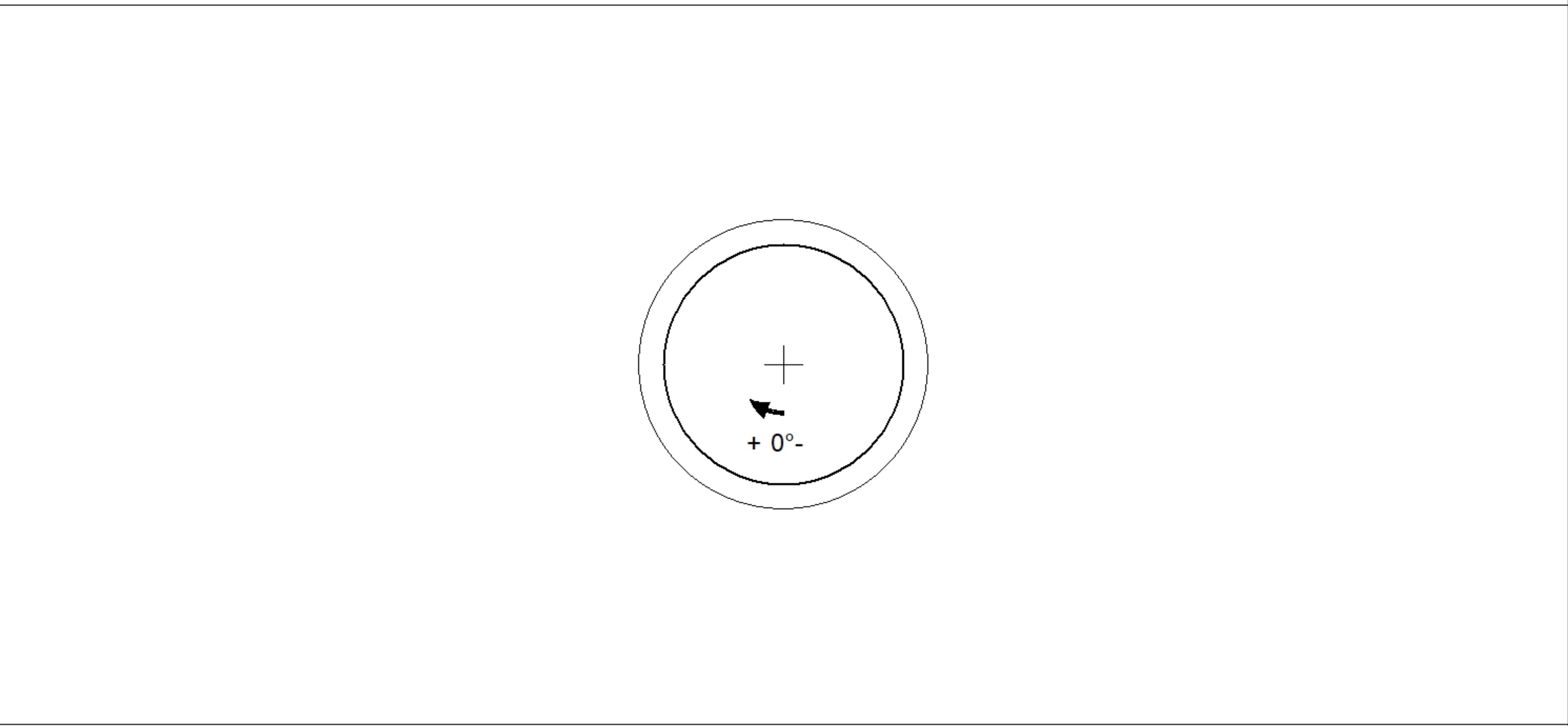
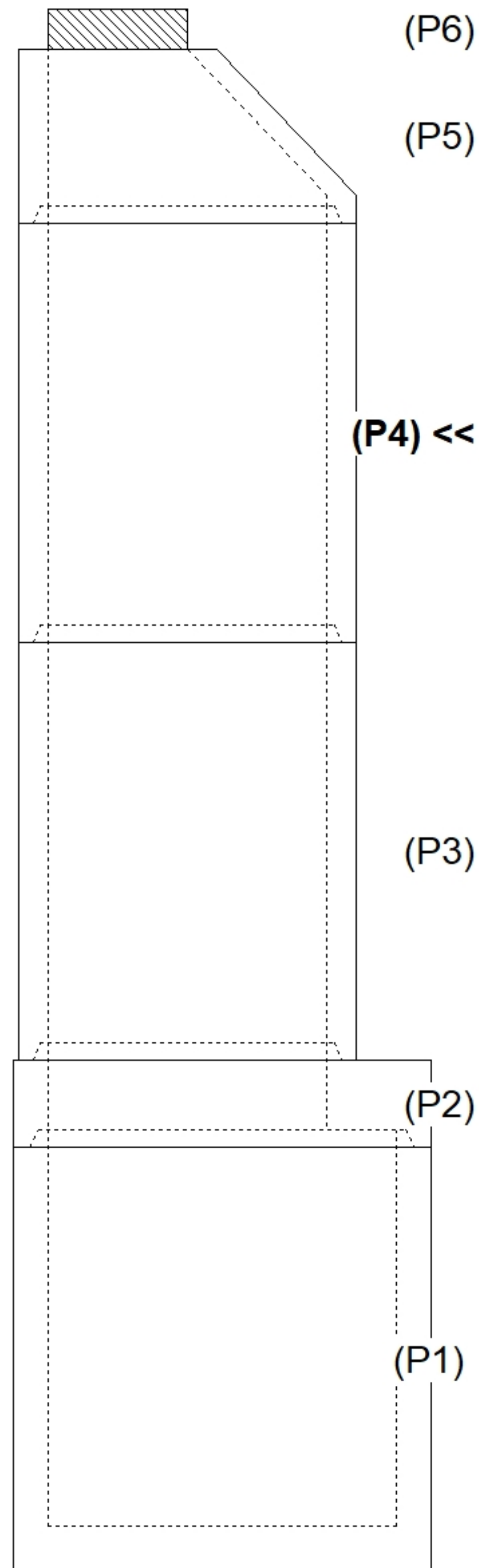
**MH RISER w/ConBlock-CDA Red T/G**

P6) 24" - CASTING HEIGHT - 7" P5) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" P4) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" P2) 60" - MH TRANS. SLAB ECC w/ConBlock-CDA Red T/G - 15" P1) 60" - MH BASE Custom Ht, w/ConBlock-CDA Red T/n - 65" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 60" - MH INVERT CHANNEL EWSU w/ConBlock-CDA Red - FULL HEIGHT 1) CASTING - HOE MC-315 F/C Sanitary 1) 60" - Conseal CS-102 1.00" (Double) 3) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-30	0 lb 1961 lb 5030 lb 5030 lb 2204 lb 8779 lb 0 lb 0 lb 2962 lb 258 lb 0 lb 0 lb 13 lb <hr style="width: 50px; margin-left: 0;"/>	<b>Structure Notes:</b> 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-315 F/C "SANITARY"). 4. NO STEPS.  REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.
Structure Total:		26237 lb

Rim: 378.49'    Rim to Invert: 21.57'    Slack: 0.84"    Sump: 3"    Step Position:

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

**RIGHT-SIDE UP VIEW (int. dimensions)**



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 72"
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 72"
		Weight (Net): 5030 lb	
		Volume (Net): 1.28cu.yd	

**Structure ID: 102 (8)**

**P3 MH048RS72CDARED**

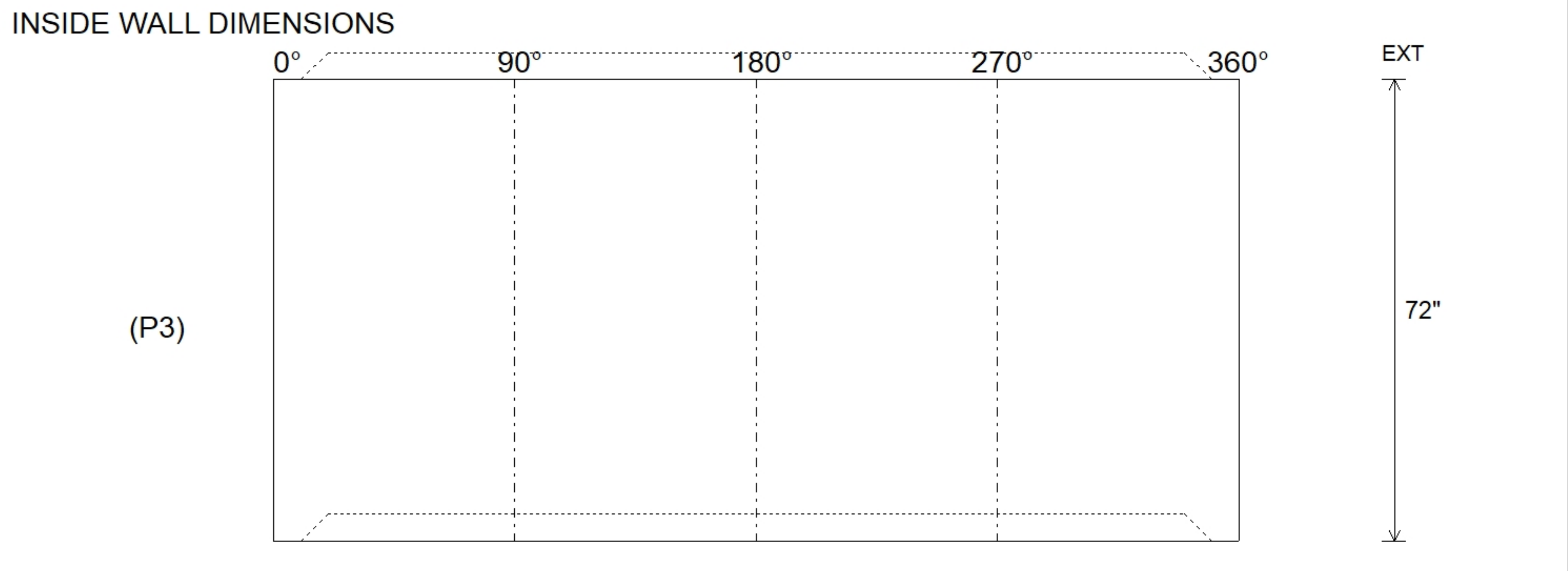
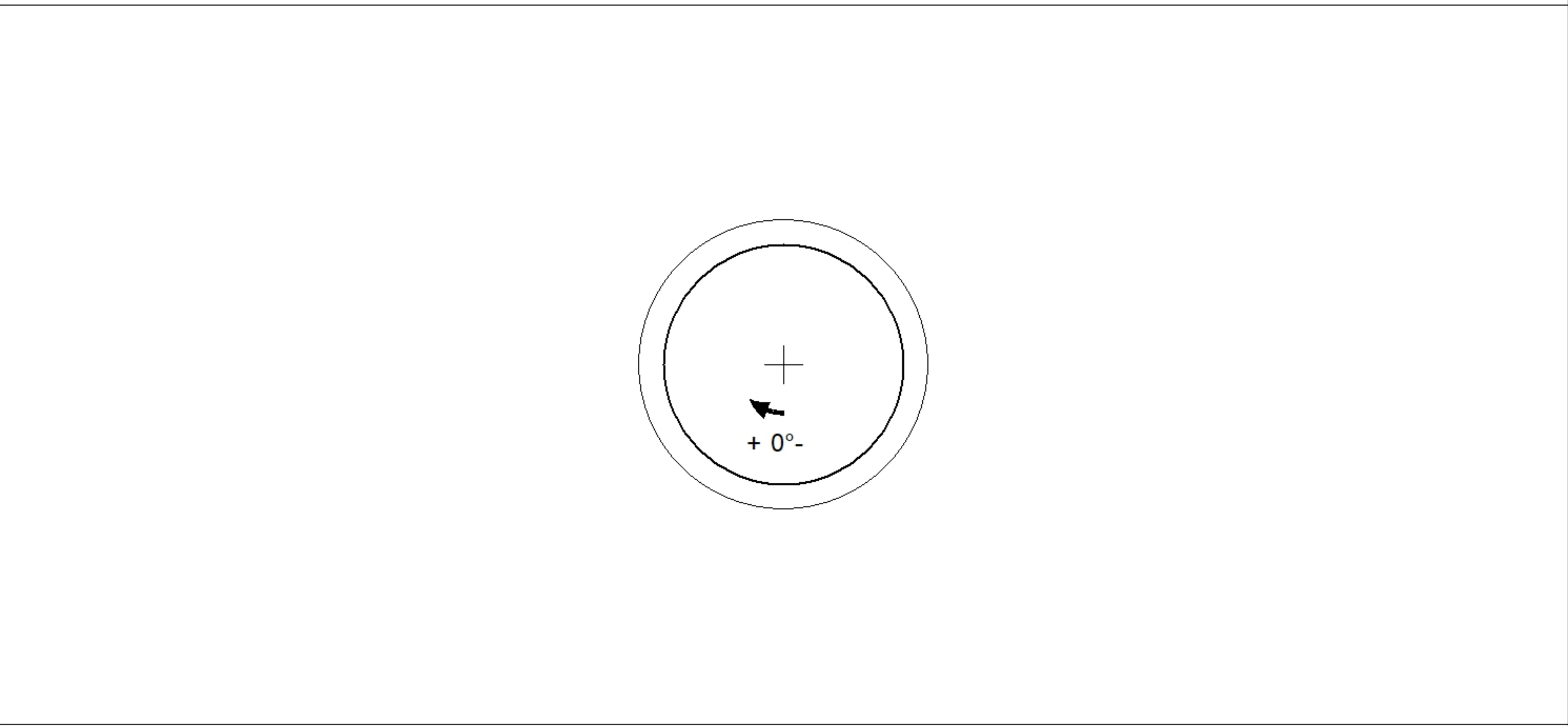
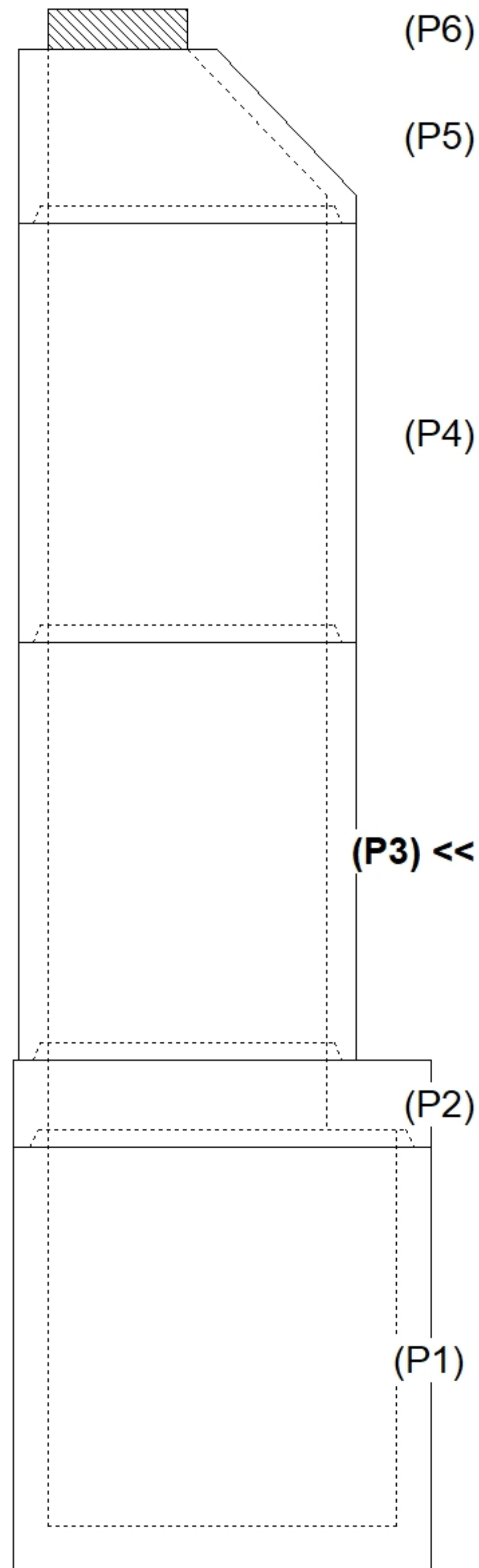
**MH RISER w/ConBlock-CDA Red T/G**

P6) 24" - CASTING HEIGHT - 7" P5) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" P4) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" P2) 60" - MH TRANS. SLAB ECC w/ConBlock-CDA Red T/G - 15" P1) 60" - MH BASE Custom Ht, w/ConBlock-CDA Red T/n - 65" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 60" - MH INVERT CHANNEL EWSU w/ConBlock-CDA Red - FULL HEIGHT 1) CASTING - HOE MC-315 F/C Sanitary 1) 60" - Conseal CS-102 1.00" (Double) 3) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-30	0 lb 1961 lb 5030 lb 5030 lb 2204 lb 8779 lb 0 lb 0 lb 2962 lb 258 lb 0 lb 0 lb 13 lb <hr style="width: 50px; margin-left: auto; margin-right: 0;"/>	<b>Structure Notes:</b> 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-315 F/C "SANITARY"). 4. NO STEPS.  REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.
Structure Total:		26237 lb

Rim: 378.49'    Rim to Invert: 21.57'    Slack: 0.84"    Sump: 3"    Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	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 Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 72" Height (Ext): 72"
Coating (Ext):			Weight (Net): 5030 lb Volume (Net): 1.28cu.yd

**Structure ID: 202 (3)**

**P1 MH048BA48**

**MH BASE T/n**

P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT LID w/24in ECC Hole F/G - 12" P1) 48" - MH BASE T/n - 48" 1) CASTING - HOE MC-315 F/C Storm 1) 48" - Conseal CS-102 1.00" 2) Hole - 26 1) Hole - 20	0 lb 1561 lb 4082 lb 258 lb 0 lb 0 lb 0 lb ----- Structure Total: 5901 lb
---	---

**Structure Notes:**

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-315 F/C "STORM").
4. NO STEPS.

REINFORCING PER ASTM A615 (GRADE 60).

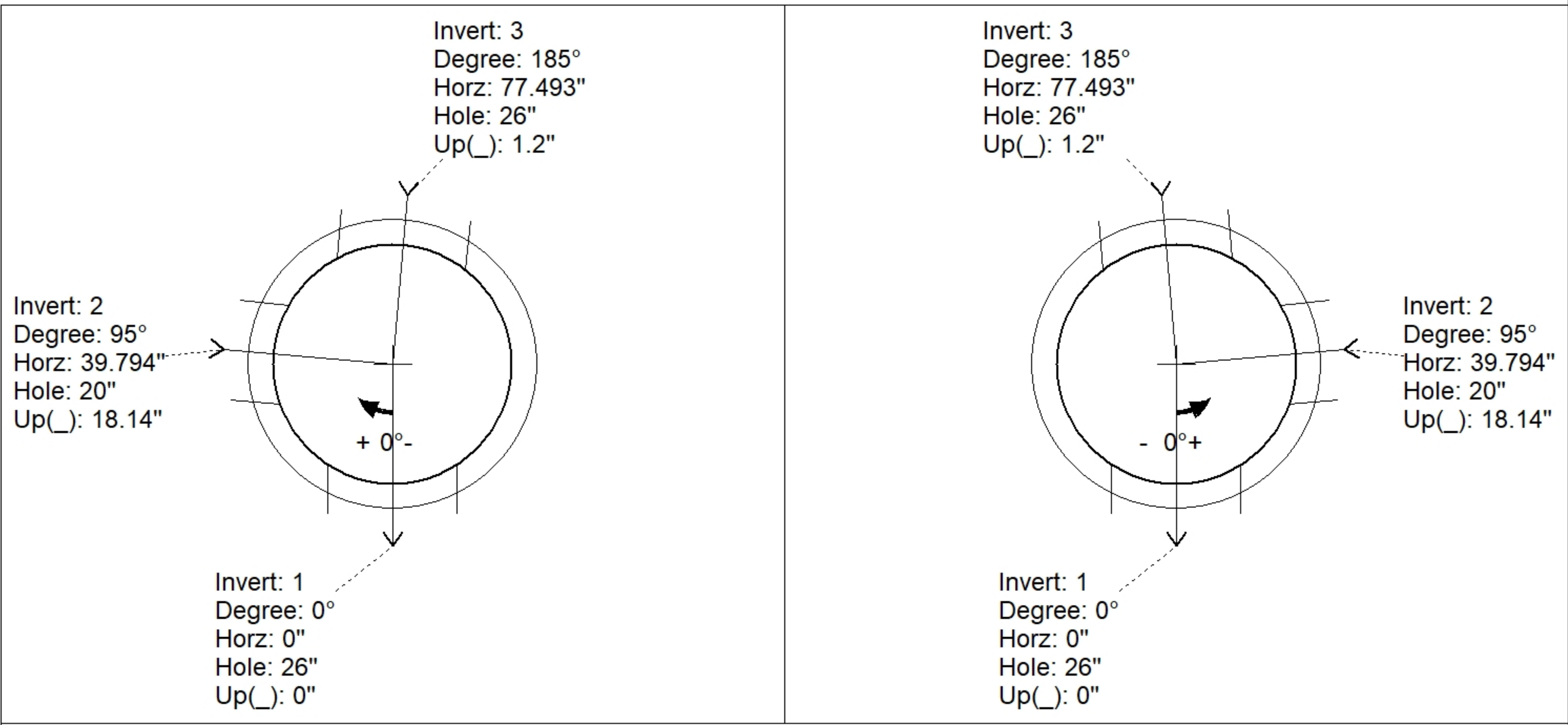
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 379.04'    Rim to Invert: 5.61'    Slack: 2.82"    Sump: 2.5"    Step Position:

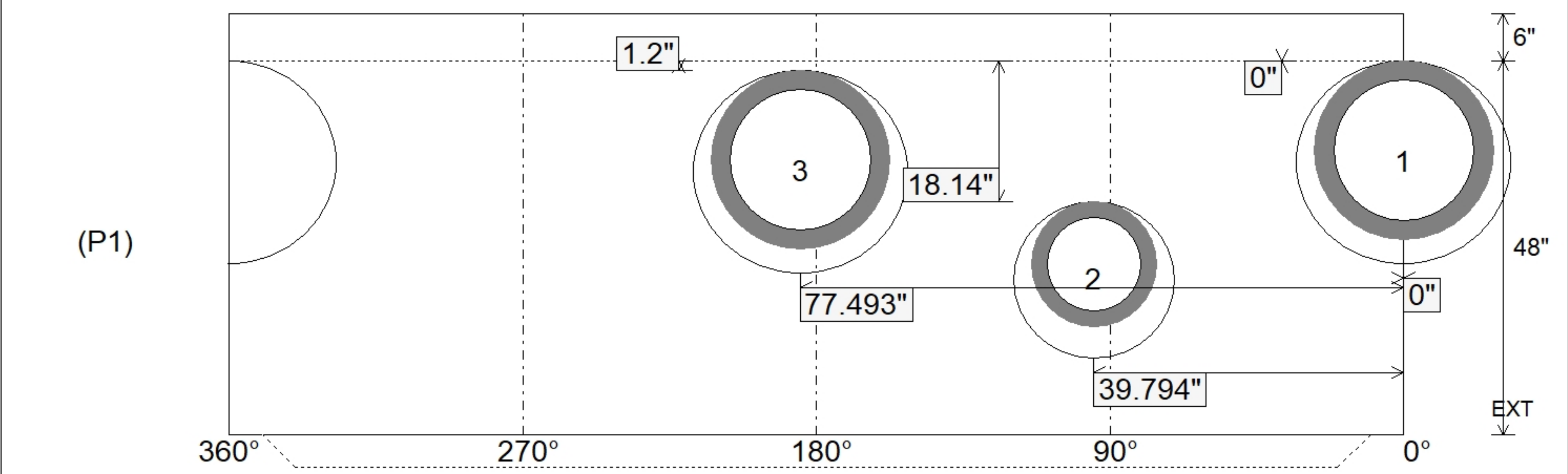
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	373.43'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"
Invert 2	374.9'	95°	48.084"	12" RCP B WALL	16"	Hole 20	20"	20.629"	18.14"	0"
Invert 3	373.53'	185°	93.637"	18" RCP B WALL	23"	Hole 26	26"	27.476"	1.2"	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):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 48"
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 54"
		Weight (Net): 4082 lb	
		Volume (Net): 1.04cu.yd	

Job Name: 25-3310 - Mammoth Cave NP-MACA 12  
 Job Location: Mammoth Cave , KY  
 Contractor: Phillips Brothers

Plant: 100  
 5/5/2026 5:08:04 PM

Tech: J. Horsley - F  
 PC: C. Goff



**Structure ID: MH-01**

**P1 MH048BAVF**

**MH BASE Custom Ht F/n**

- P3) 20" - CASTING HEIGHT - 4"
- P2) 48" - MH FLAT LID w/20in ECC Hole F/F - 7"
- P1) 48" - MH BASE Custom Ht F/n - 33"
- 1) 48" - Conseal CS-102 1.00"
- 2) Hole - 22
- 3) MH Step ML-10-TDS-NCR - 10"

0 lb  
 1367 lb  
 3306 lb  
 0 lb  
 0 lb  
 0 lb  
 Structure Total: 4674 lb

- Structure Notes:**
1. PER ASTM C478 SPECIFICATIONS.
  2. CONCRETE = 4,000 PSI AT 28 DAYS.
  3. NO INVERT CHANNEL.
  4. CASTING SUPPLIED BY OTHERS - MC-162

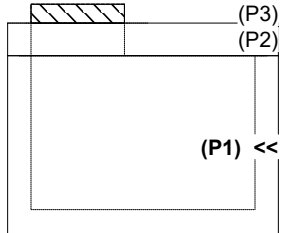
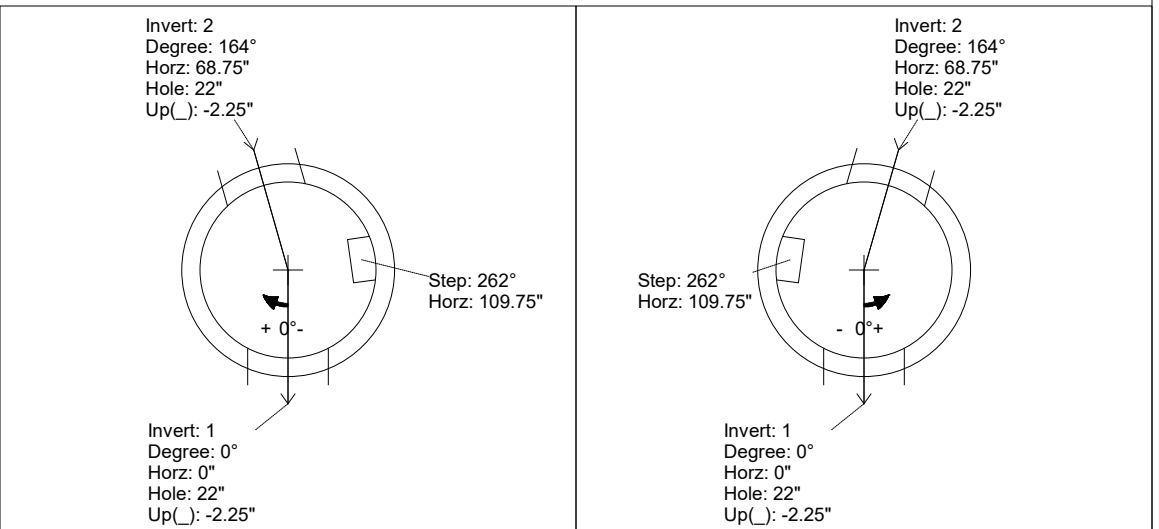
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 741.72' Rim to Invert: 3.72' Slack: 0.64" Sump: 0" Step Position: 262°

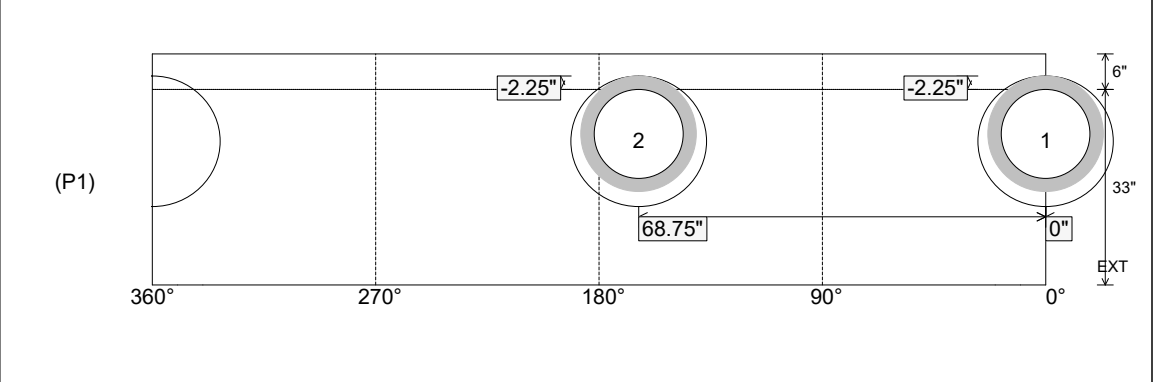
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	738'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2	738'	164°	83"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 33" Height (Ext): 39"	Weight (Net): 3306 lb Volume (Net): 0.84cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-3310 - Mammoth Cave NP-MACA 12  
 Job Location: Mammoth Cave , KY  
 Contractor: Phillips Brothers

Plant: 100

5/5/2026 5:09:24 PM

Tech: J. Horsley - F

PC: C. Goff



**Structure ID: MH-01**

**P2 MH048LD07S**

**MH FLAT LID w/20in ECC Hole F/F**

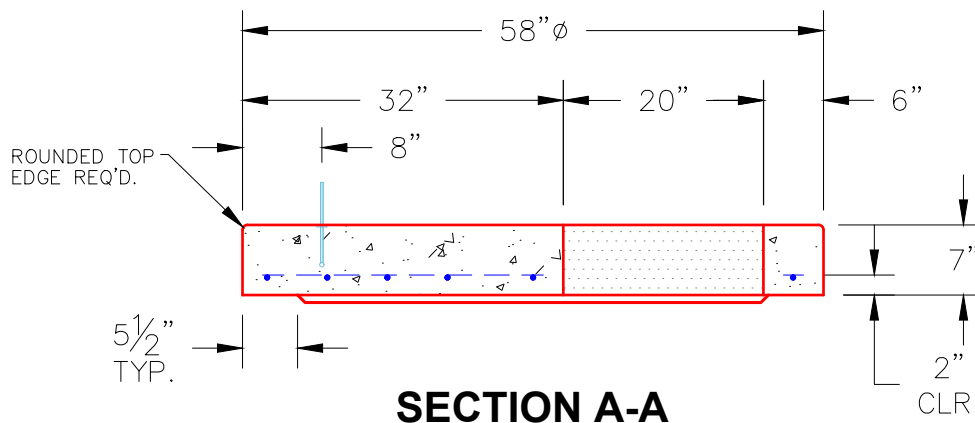
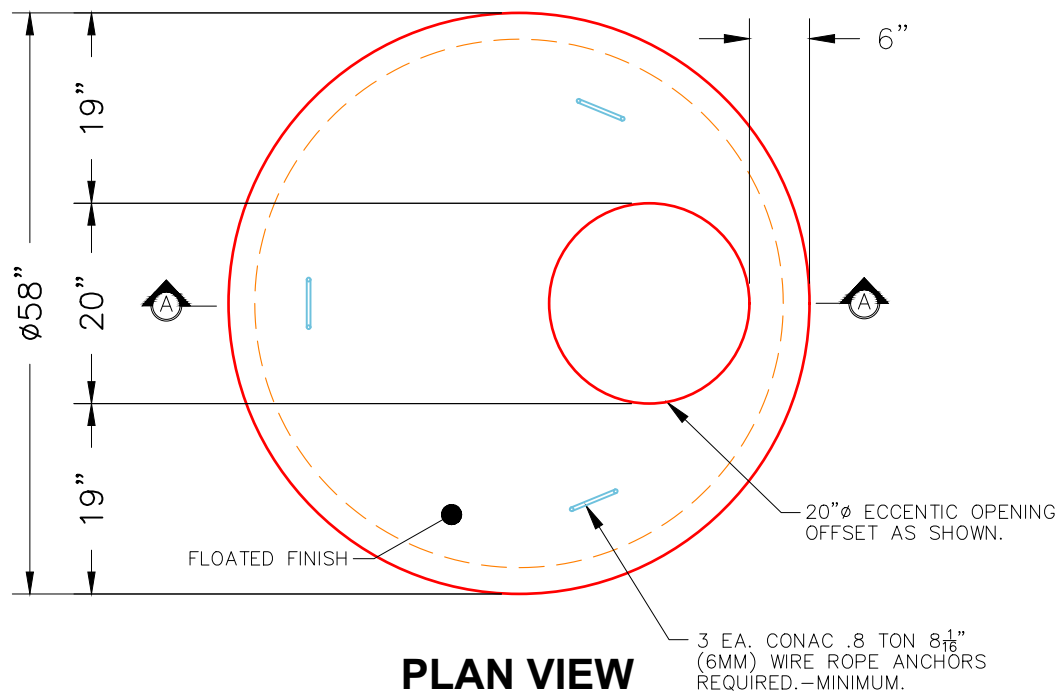
- P3) 20" - CASTING HEIGHT - 4"
- P2) 48" - MH FLAT LID w/20in ECC Hole F/F - 7"
- P1) 48" - MH BASE Custom Ht F/n - 33"
- 1) 48" - Conseal CS-102 1.00"
- 2) Hole - 22
- 3) MH Step ML-10-TDS-NCR - 10"

	0 lb
	1367 lb
	3306 lb
	0 lb
	0 lb
	0 lb
Structure Total:	4674 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS - MC-162

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



NOTES:

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

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 7"

Weight (Net): 1367 lb  
 Volume (Net): 0.35cu.yd

Job Name: 25-3310 - Mammoth Cave NP-MACA 12  
 Job Location: Mammoth Cave , KY  
 Contractor: Phillips Brothers

Plant: 100

Tech: J. Horsley - F

5/5/2026 5:08:55 PM

PC: C. Goff



**Structure ID: SAN**

**P2 MH048RSVF**

**MH RISER Custom Ht T/F**

- P5) 24" - CASTING HEIGHT - 7" 0 lb
- P4) 48" - ECC CONE w/ 24" HOLE F/G - 42" 3200 lb
- P3) 48" - MH RISER T/G - 24" 1677 lb
- P2) 48" - MH RISER Custom Ht T/F - 62" 4137 lb
- P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0" 0 lb
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 0 lb
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
- 3) 48" - Conseal CS-102 1.00" (Double) 0 lb
- 2) DOGHOUSE - 12"x16" 0 lb
- 1) PSX - 12-08 NYLO 8 lb
- 11) MH Step ML-10-TDS-NCR - 10" 0 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING SUPPLIED BY OTHERS - MC-350

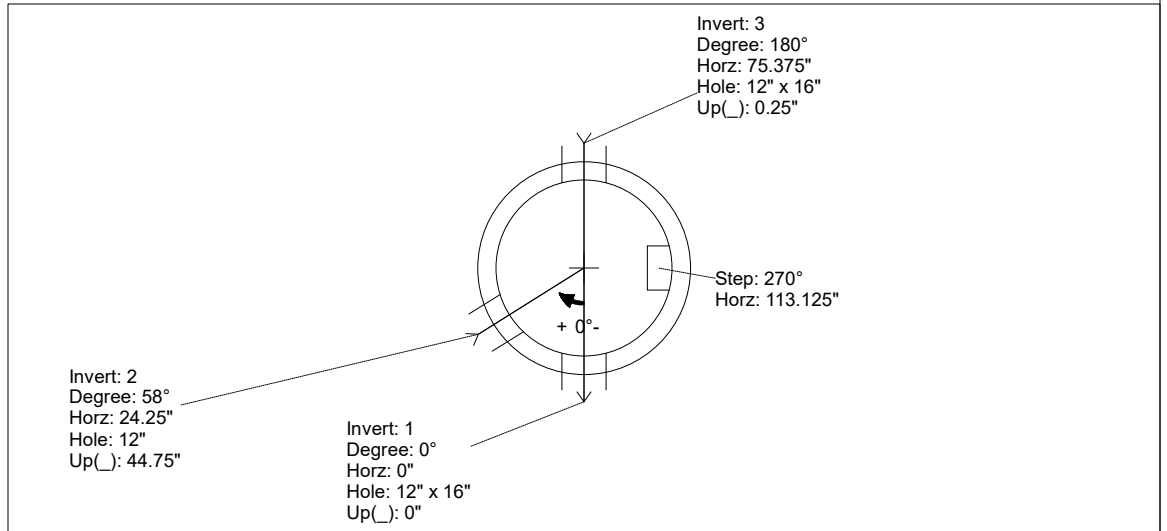
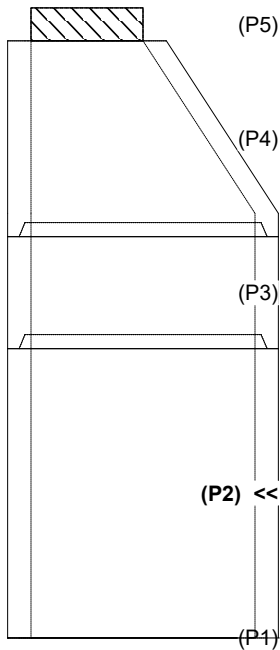
REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER/WALLS (As .18)

Structure Total: 9022 lb

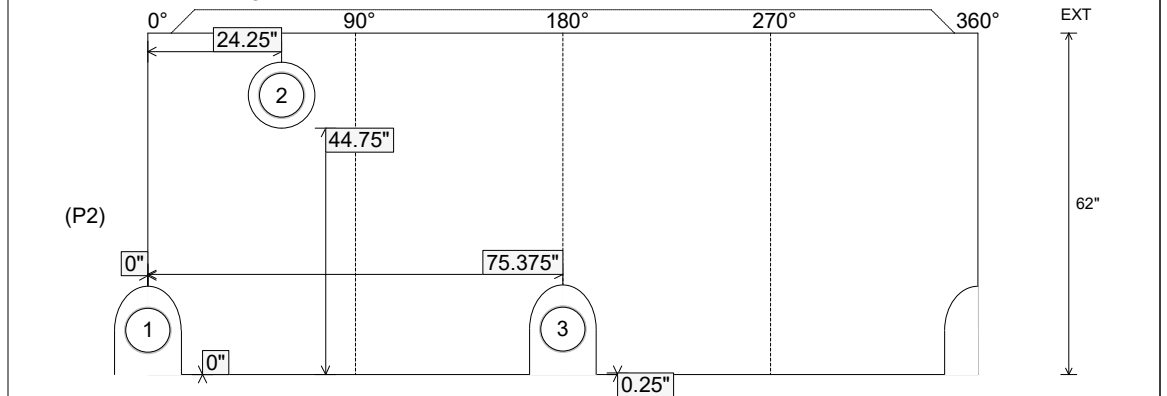
Rim: 738.5' Rim to Invert: 10.96' Slack: 0.52" Sump: 4" Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	727.54'	0°	0"	8" PVC SDR35	8.5"	DOGHOUSE 12"x16"	12" x 16"	12.129"	0"	0"
Invert 2	731.1'	58°	29.375"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	44.75"	0"
Invert 3	727.56'	180°	91.125"	8" PVC SDR35	8.5"	DOGHOUSE 12"x16"	12" x 16"	12.129"	0.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

**RIGHT-SIDE UP VIEW (int. dimensions)**



**INSIDE WALL DIMENSIONS**

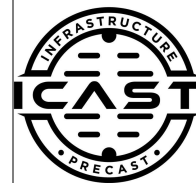


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 5" Floor Height: 0"	Height (Int): 62" Height (Ext): 62"	Weight (Net): 4137 lb Volume (Net): 1.06cu.yd
----------------------------------	----------------------------------	--	--	--

Job Name: 26-2274 900555 Little Caesar Pizza Harrisonville  
 Job Location: Harrisonville, MO  
 Contractor: Contech Engineering Solutions

Plant: Beaver Dam  
 5/8/2026 10:35:16 AM

Tech: S. Felletter  
 PC: C. Goff



**Structure ID: 10-CS-4**

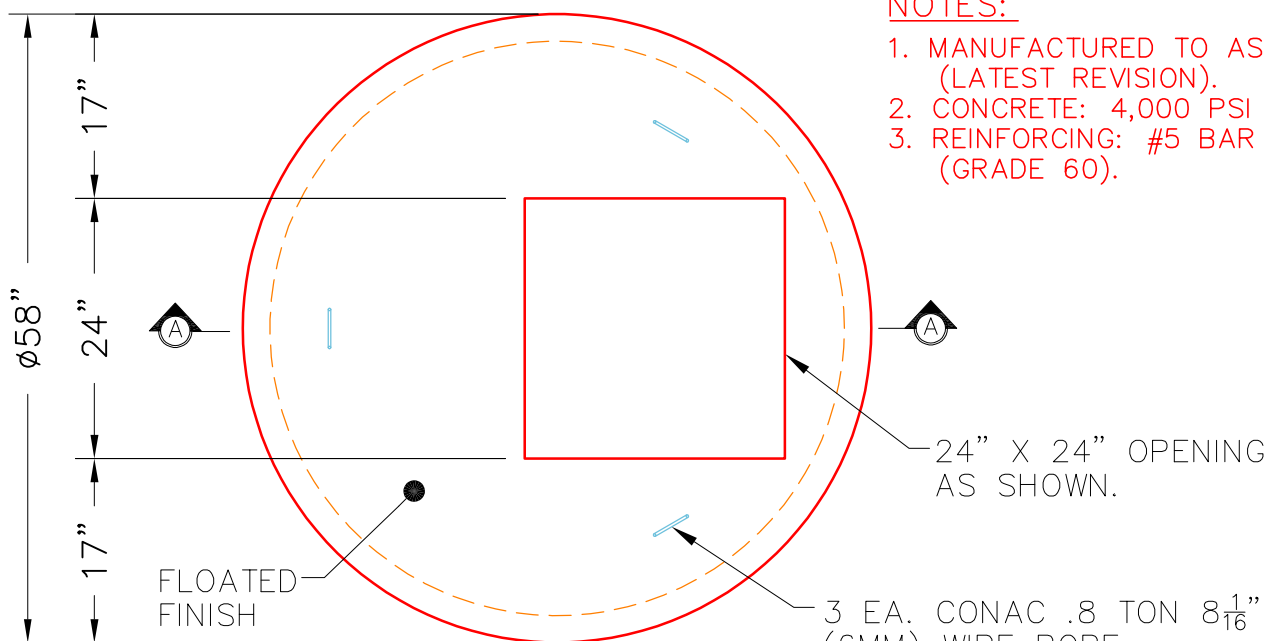
**P3 MH048LD12-24SQ**

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

- P4) 24" x 24" - CASTING HEIGHT - 4"
- P3) 48" - MH FLAT TOP w/24"x24" Hole F/G - 12"
- P2) 48" - MH RISER Custom Ht T/G - 59"
- P1) 48" - MH BASE T/n - 36"
- 1) ASSEMBLY REQUIRED
- 1) CVSTENCILING
- 2) 48" - Conseal CS-102 1.00"
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 24"

	0 lb
	1500 lb
	3924 lb
	3845 lb
	0 lb
	0 lb
	0 lb
	0 lb
	0 lb
	0 lb
Structure Total:	9270 lb

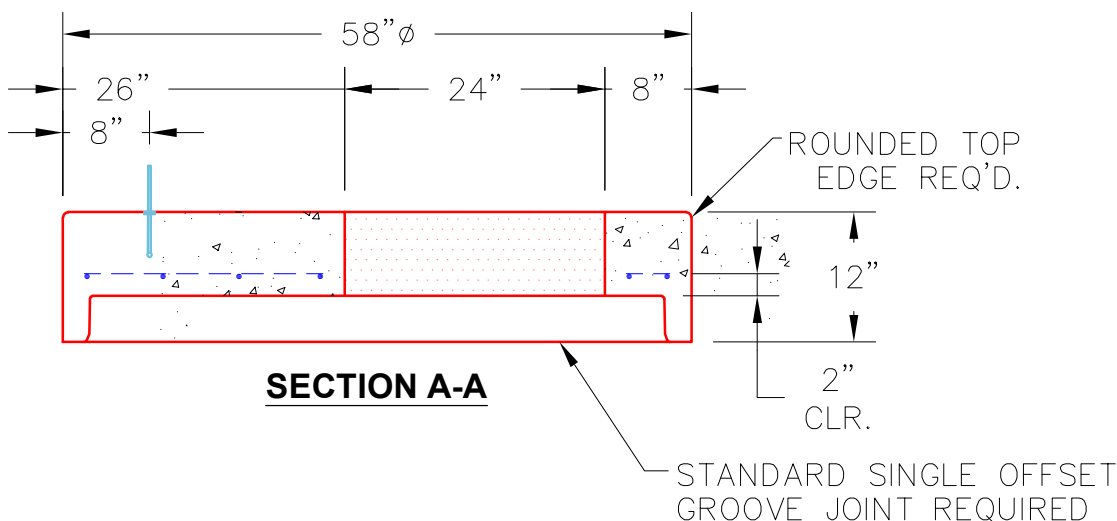
**Structure Notes:**  
 4" CASTING BY OTHERS  
 LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE  
 ICAST TO INSTALL THE INTERNALS  
 CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE  
 BASE AND RISER TO BE MECHANICALLY ATTACHED PRIOR TO INSTALL OF INTERNALS



**NOTES:**

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

**PLAN VIEW**



**SECTION A-A**

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 26-1228 - L&N Federal Credit Union  
 Job Location: Louisville, KY 40243  
 Contractor: H & W Landworks

Plant: 100

5/6/2026 12:05:18 PM

Tech: Jared - A

PC: T. Lewis



**Structure ID: S-1-2 SCI**

**P1 MH048BAVF**

**MH BASE Custom Ht F/n**

- P3) 24" x 30" - CASTING HEIGHT - 6"
- P2) 48" - MH FLAT TOP w/24"x30" Hole LOU-MSD F/F - 7"
- P1) 48" - MH BASE Custom Ht F/n - 27"
- 1) CASTING - HOE 360 L Vane Set (F/G/H)
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" x 30" - Conseal CS-102 1.00"
- 2) Hole - 18

0 lb  
 1129 lb  
 2998 lb  
 362 lb  
 0 lb  
 0 lb  
 -----  
 0 lb  
 Structure Total: 4489 lb

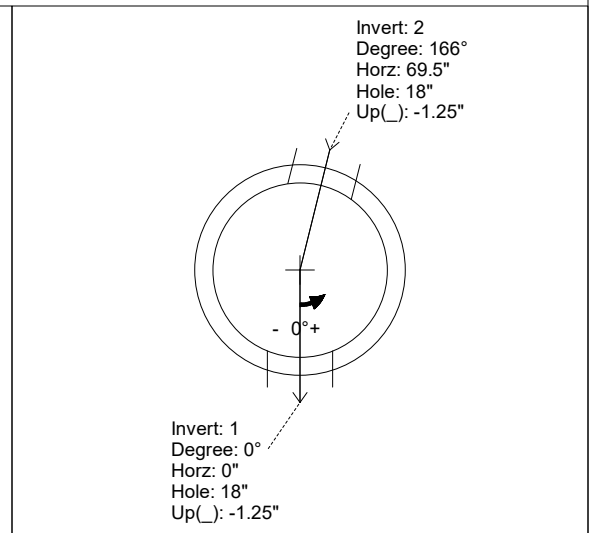
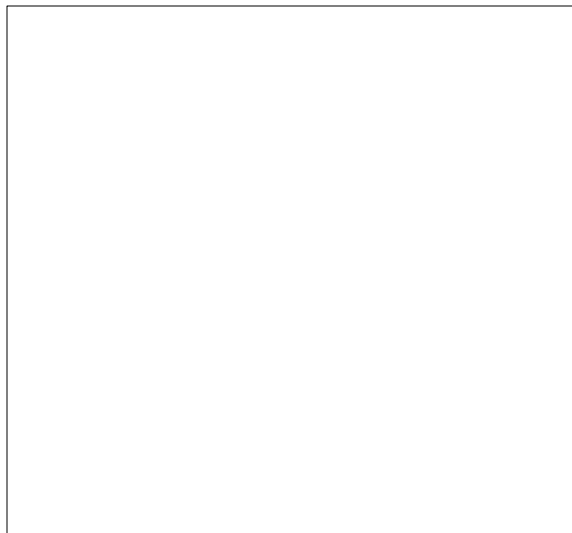
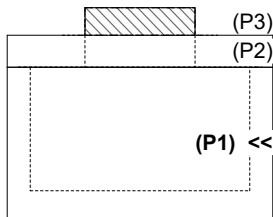
- Structure Notes:**
1. PER LOUISVILLE MSD / ASTM C-913 SPECS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. NO STORM INVERT
  5. NO STEPS
  6. HOE 360 FRAME, L-VANE GRATE, & CURB HOOD SUPPLIED BY ICAST

Rim: 745.4' Rim to Invert: 3.46' Slack: 1.52' Sump: 0' Step Position:

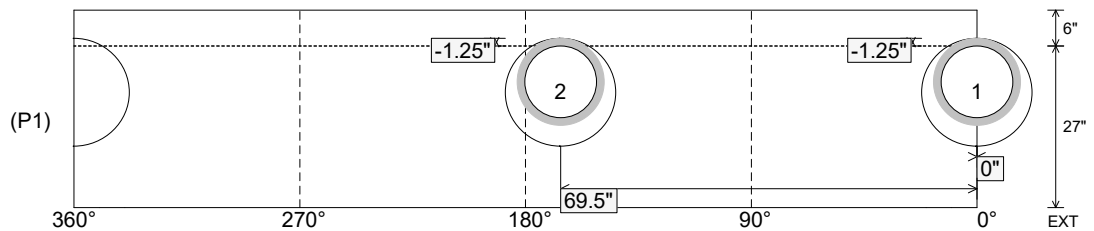
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	741.94'	0°	0"	12" ADS N-12	14.5"	Hole 18	18"	18.451"	-1.25"	0"
Invert 2	741.94'	166°	84"	12" ADS N-12	14.5"	Hole 18	18"	18.451"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 6"

Height (Int): 27"  
 Height (Ext): 33"

Weight (Net): 2998 lb  
 Volume (Net): 0.77cu.yd

Job Name: 26-1228 - L&N Federal Credit Union  
 Job Location: Louisville, KY 40243  
 Contractor: H & W Landworks

Plant: 100

5/6/2026 12:05:20 PM

Tech: Jared - A

PC: T. Lewis



**Structure ID: S-5-6 ST-MH**

**P1 MH048BA30**

**MH BASE T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 24" - GRADE RING F/F - 4"
- P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
- P1) 48" - MH BASE T/n - 30"
- 1) CASTING - HOE MC-420 F/C Storm
- 1) 48" - Conseal CS-102 1.00"
- 1) Hole - 16
- 1) Hole - 18
- 3) MH Step ML-10-TDS-NCR - 10"

0 lb  
 270 lb  
 1561 lb  
 3231 lb  
 340 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 Structure Total: 5402 lb

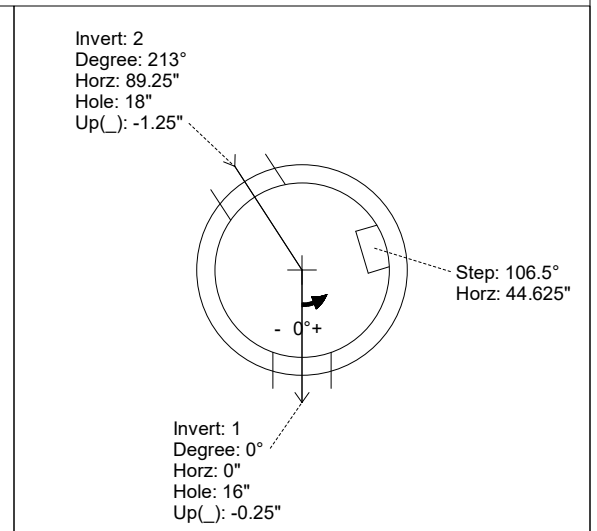
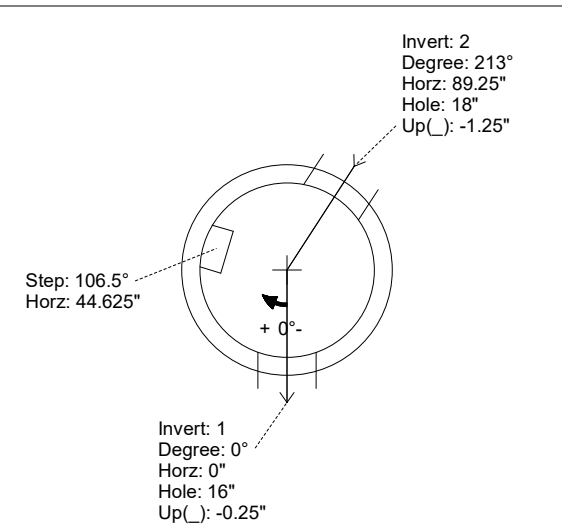
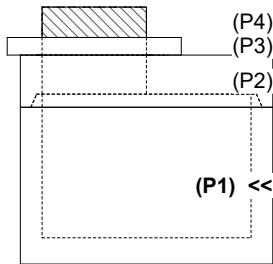
- Structure Notes:**
1. PER LOUISVILLE MSD / ASTM C-478 SPECS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. NO STORM INVERT
  5. STEPS AT 106.5 DEGREES
  6. HOE MC-420 FRAME & COVER "STORM MSD" SUPPLIED BY ICAST

Rim: 747.03' Rim to Invert: 4.6' Slack: 2.2" Sump: 0" Step Position: 106.5°

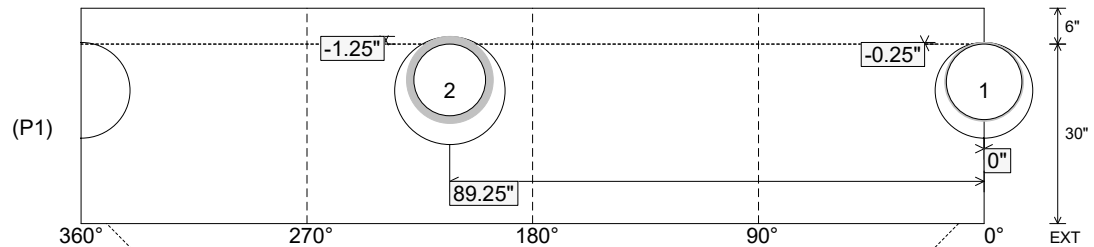
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	742.43'	0°	0"	12" DI	13.2"	Hole 16	16"	16.312"	-0.25"	0"
Invert 2	742.43'	213°	107.75"	12" ADS N-12	14.5"	Hole 18	18"	18.451"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 6"

Height (Int): 30"  
 Height (Ext): 36"

Weight (Net): 3231 lb  
 Volume (Net): 0.82cu.yd

Job Name: 26-1228 - L&N Federal Credit Union  
 Job Location: Louisville, KY 40243  
 Contractor: H & W Landworks

Plant: 100

5/6/2026 12:05:52 PM

Tech: Jared - A

PC: T. Lewis



**Structure ID: S-6-7 CB1**

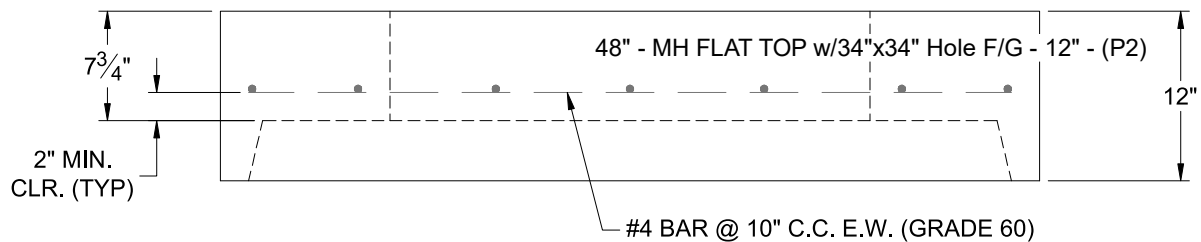
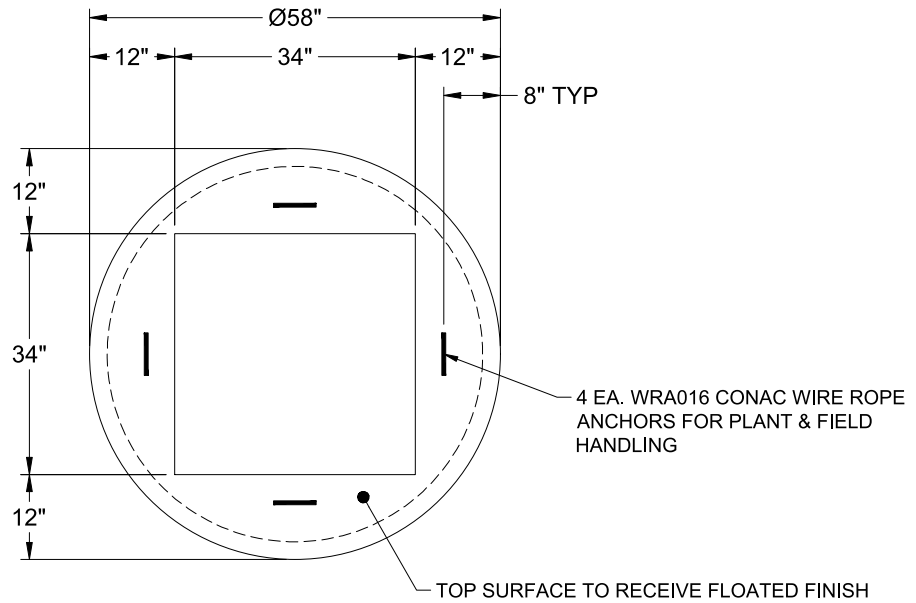
**P2 MH048LD12S**

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

- P3) 34" x 34" - CASTING HEIGHT - 3"
- P2) 48" - MH FLAT TOP w/34"x34" Hole F/G - 12"
- P1) 48" - MH BASE T/n - 36"
- 1) CASTING - HOE 595 F/G
- 1) 48" - Conseal CS-102 1.00"
- 2) Hole - 18
- 3) MH Step ML-10-TDS-NCR - 10"

0 lb  
 1194 lb  
 3627 lb  
 376 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 0 lb  
 Structure Total: 5197 lb

- Structure Notes:
1. PER LOUISVILLE MSD / ASTM C-478 SPECS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: #4 BAR @ 10" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
  4. HOE 595 FRAME & GRATES SUPPLIED BY ICAST
  5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
  6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 12"	Weight (Net): 1194 lb Volume (Net): 0.3cu.yd
----------------------------------	----------------------------------	--------------------	-------------------	---

**Structure ID: DMH4-31 SS-MH**

**P2 MH048RS48**

**MH RISER T/G**

P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 DD (DBL Bands) 7) MH Step ML-10-TDS-NCR - 10"	0 lb 1550 lb 3353 lb 2492 lb 0 lb 0 lb 1440 lb 0 lb 16 lb 0 lb ----- Structure Total: 8851 lb
---	--

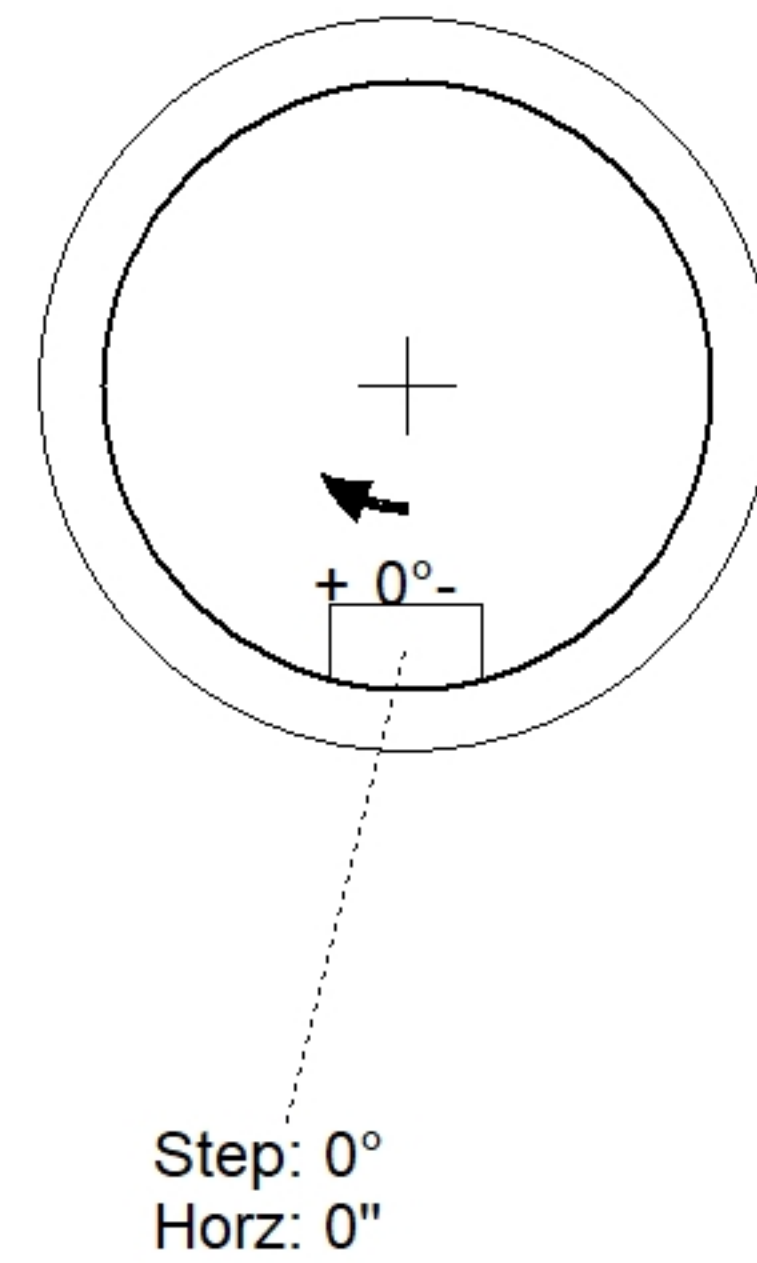
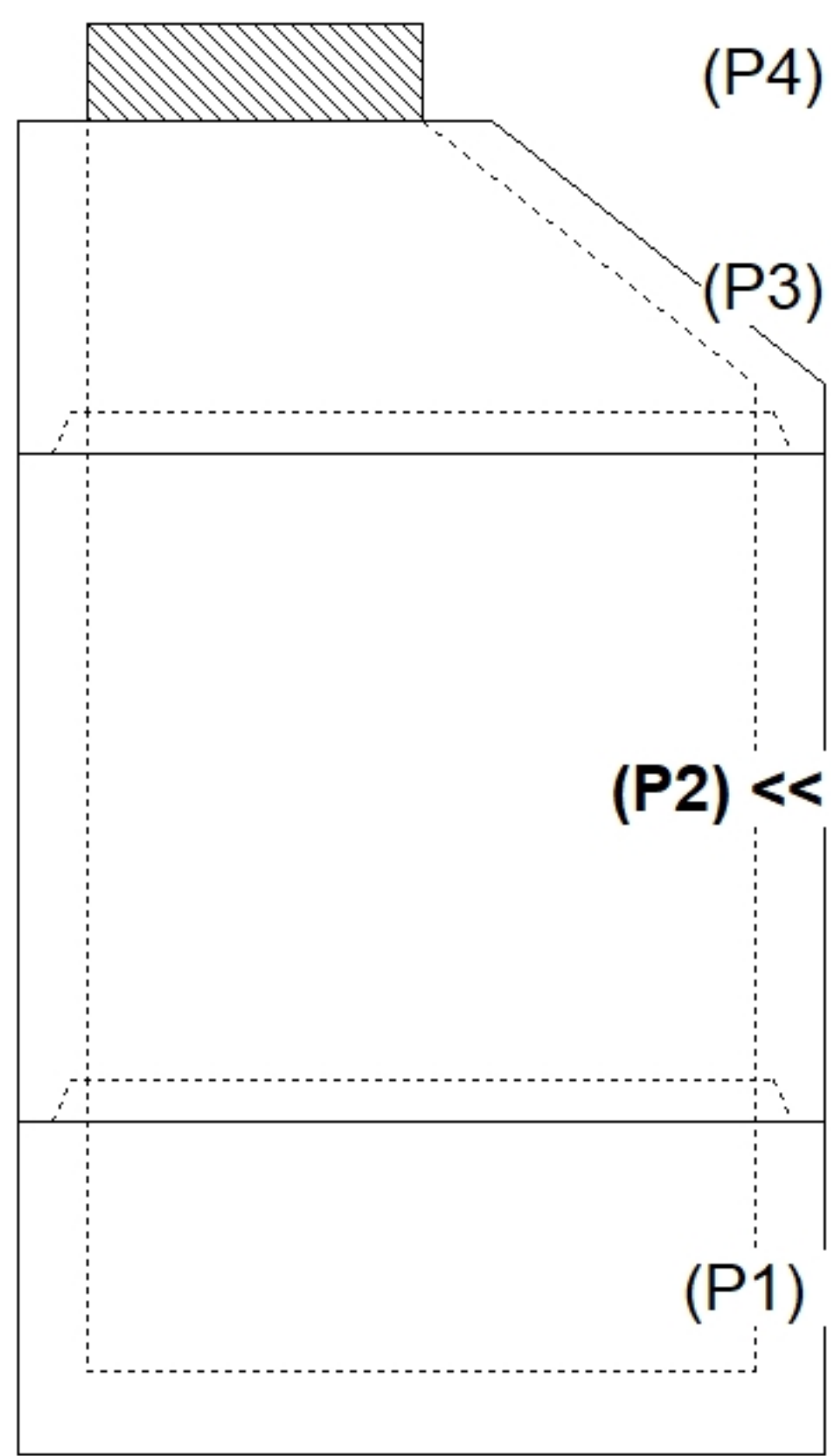
**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY OTHERS.

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

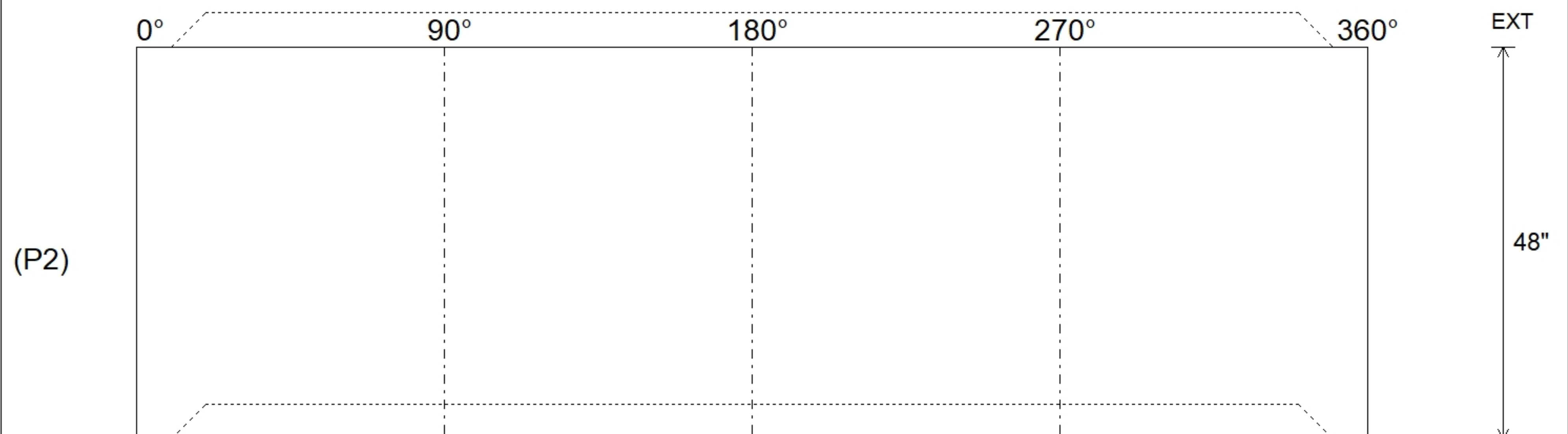
Rim: 480.58'    Rim to Invert: 8.13'    Slack: 2.56"    Sump: 2"    Step Position: 0°

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

**RIGHT-SIDE UP VIEW (int. dimensions)**



**INSIDE WALL DIMENSIONS**



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 48" Height (Ext): 48"	Weight (Net): 3353 lb Volume (Net): 0.86cu.yd
----------------------------------	------------------------------------	--	--	--

**Structure ID: DMH2-29 SS-MH**

**P2 MH048RS60**

**MH RISER T/G**

P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING F/F - 4" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 DD (DBL Bands) 10) MH Step ML-10-TDS-NCR - 10"	0 lb 270 lb 3000 lb 4192 lb 3330 lb 0 lb 0 lb 1440 lb 0 lb 16 lb 0 lb ----- Structure Total: 12248 lb
---	---

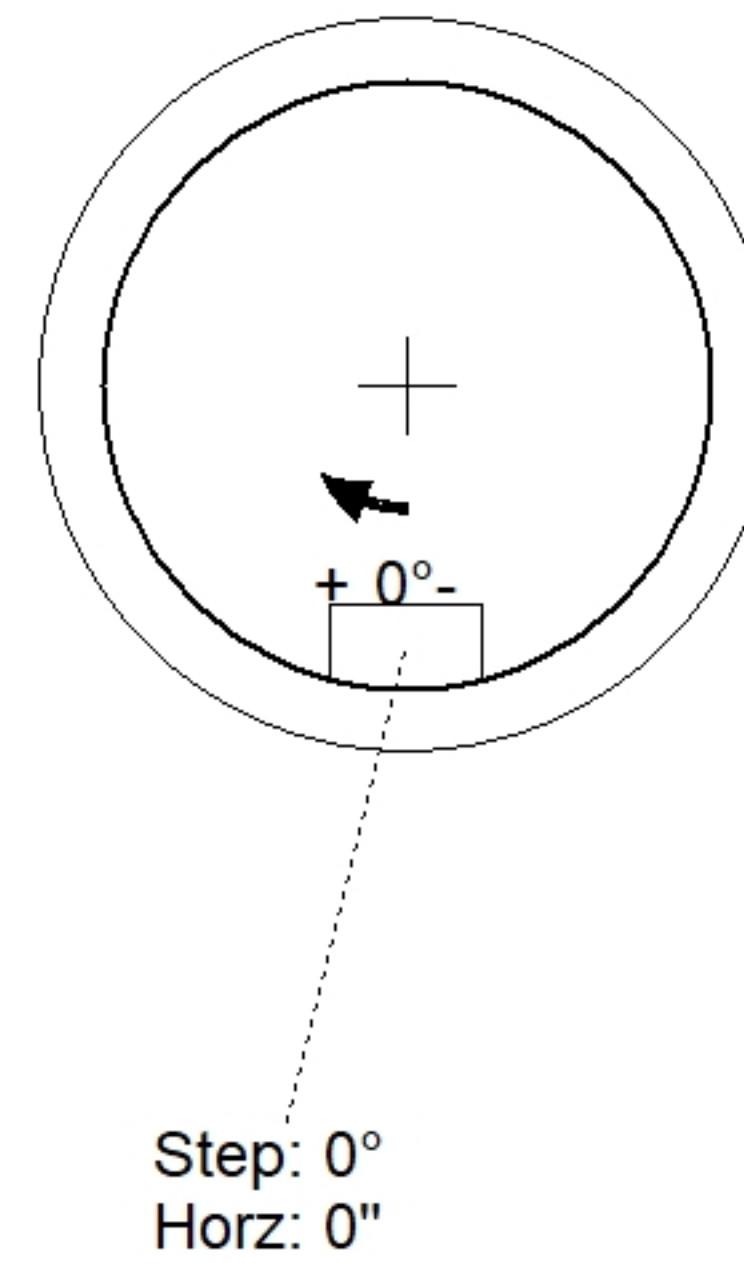
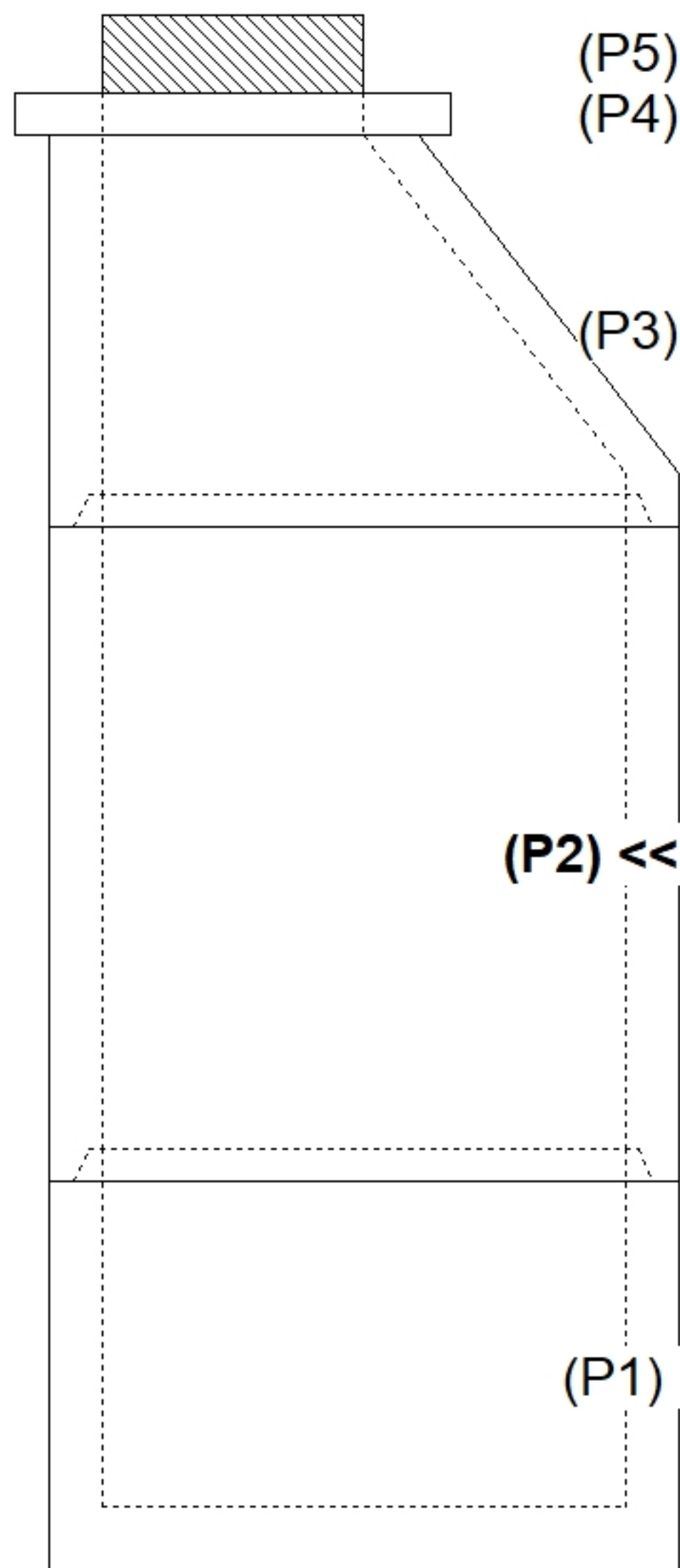
**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY OTHERS.

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

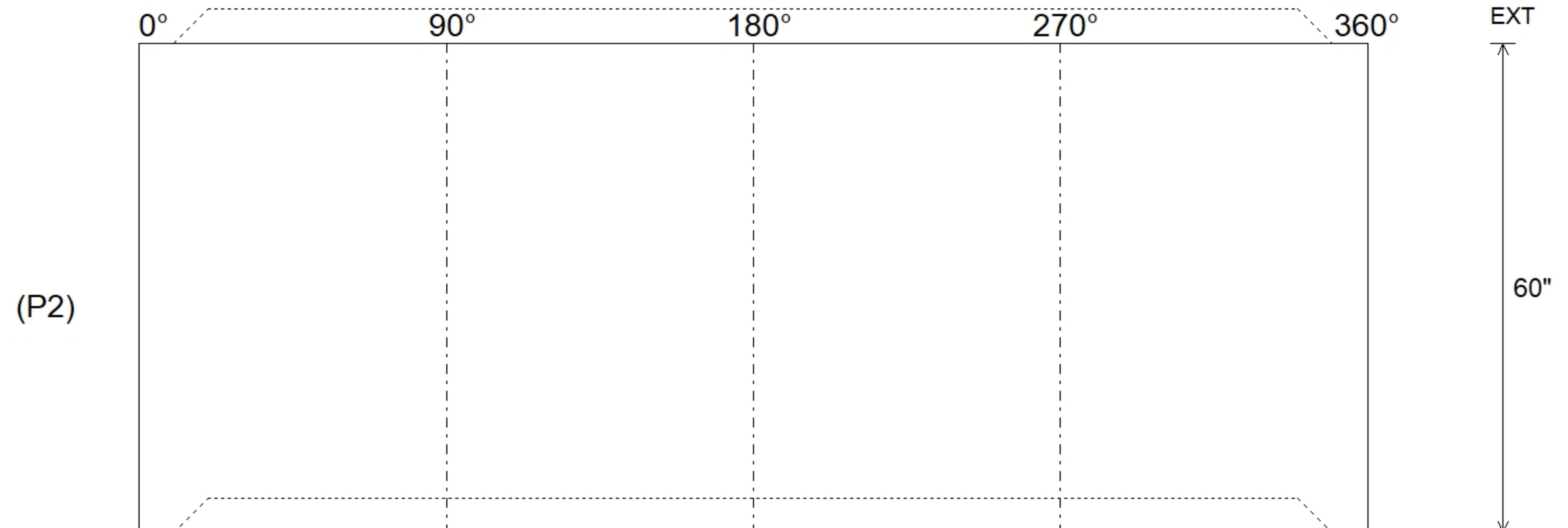
Rim: 482.67'    Rim to Invert: 11.35'    Slack: 1.2"    Sump: 2"    Step Position: 0°

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

**RIGHT-SIDE UP VIEW (int. dimensions)**



**INSIDE WALL DIMENSIONS**



Coating (Int):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 60" Height (Ext): 60"
Coating (Ext):			Weight (Net): 4192 lb Volume (Net): 1.07cu.yd

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

Plant: 100  
 4/30/2026 1:23:06 PM

Tech: Jared - F  
 PC: J. Jarvis



**Structure ID: S209**

**P2 MH048LD12S**

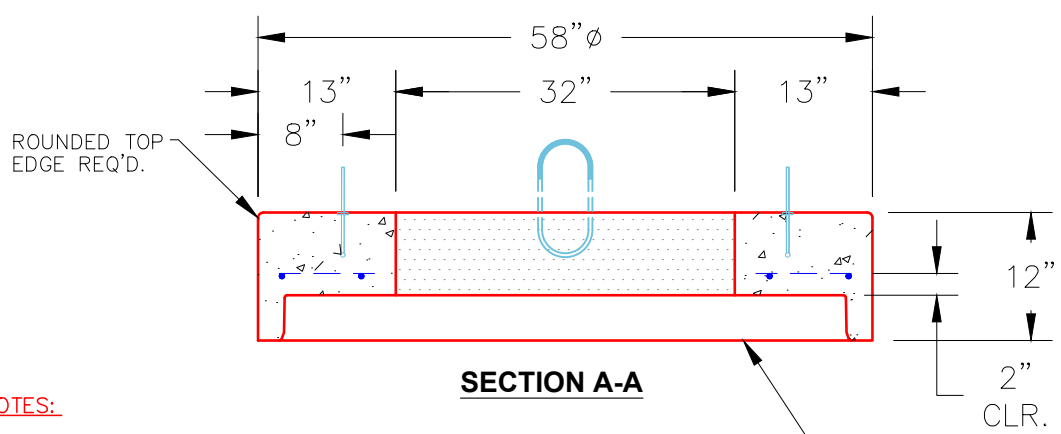
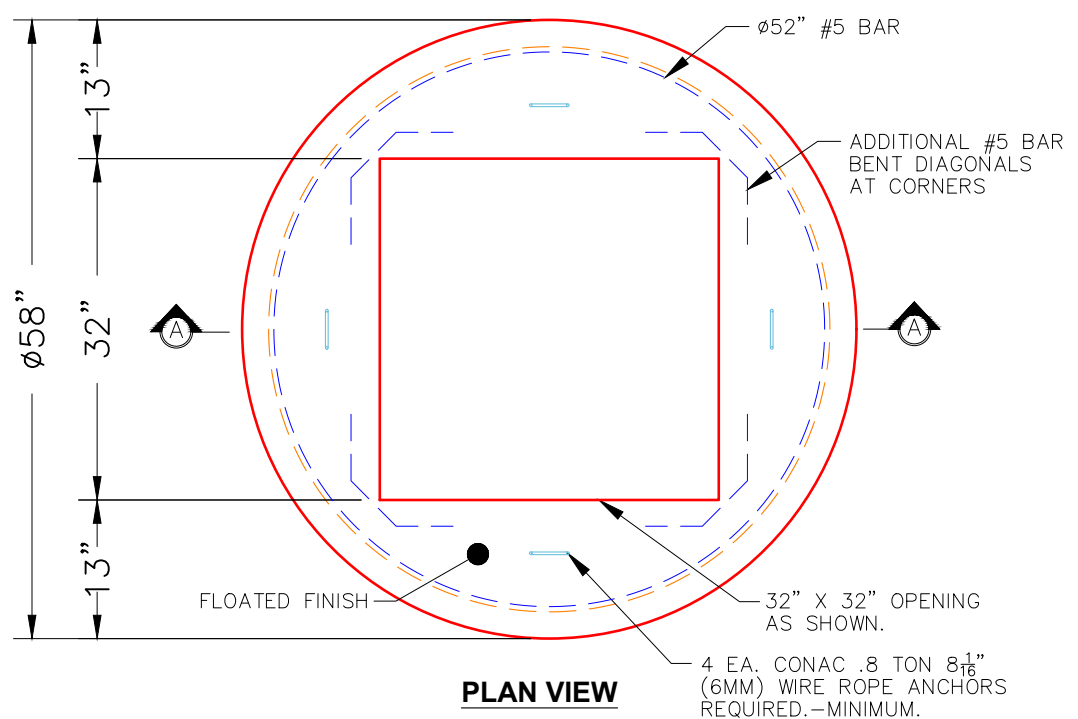
**MH FLAT TOP w/32"x32" Hole F/G**

- P3) 32" x 32" - CASTING HEIGHT - 3"
- P2) 48" - MH FLAT TOP w/32"x32" Hole F/G - 12"
- P1) 48" - MH BASE Custom Ht T/n - 21"
- 1) CASTING - HOE 595 F/G
- 1) 48" - Conseal CS-102 1.00"
- 1) 32" x 32" - Conseal CS-102 1.00"
- 1) Hole - 16

0 lb  
 1629 lb  
 2712 lb  
 376 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 4717 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. NO STEPS AND NO INVERT CHANNEL.  
 4. CASTING BY ICAST (HOE 595 F/G)

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



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

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 12"	Weight (Net): 1629 lb Volume (Net): 0.42cu.yd
----------------------------------	----------------------------------	--------------------	-------------------	--

Job Name: 25-1431 - Georgetown Commons  
 Job Location: Georgetown, KY  
 Contractor: Winwater Hartford KY Co.

Plant: Beaver Dam

4/28/2026 8:55:44 AM

Tech: J. Coppage

PC: A. Chambers



**Structure ID: SSMH-198**

**P1 MH048BA24**

**MH BASE**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 24" - GRADE RING - 4"
- P2) 48" - ECC CONE w/ 24" HOLE NO STEP - 36"
- P1) 48" - MH BASE - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 0285
- 1) A-Lok - 0200

- Structure Notes:**
1. JR HOE MC-375 SELF SEALING SAN 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.
  5. \*\*NO STEPS\*\*

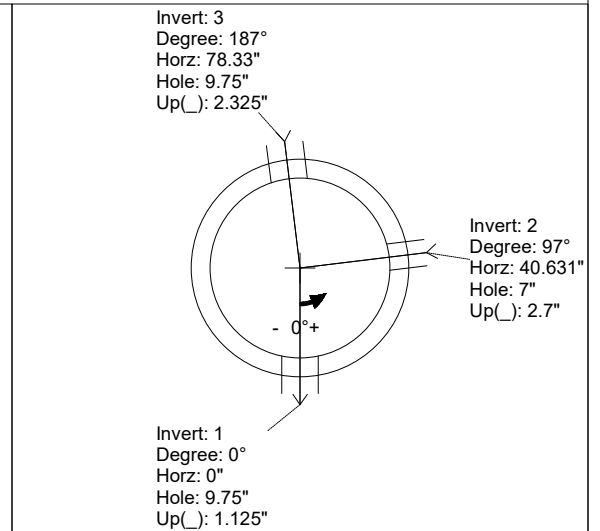
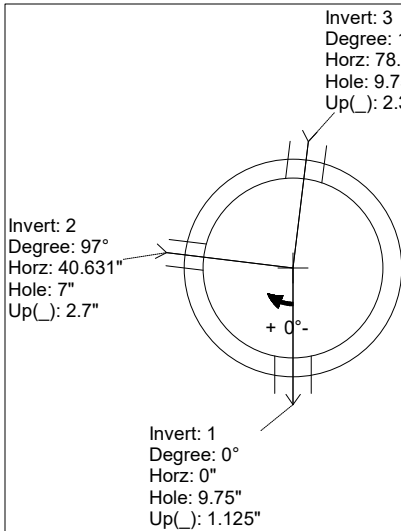
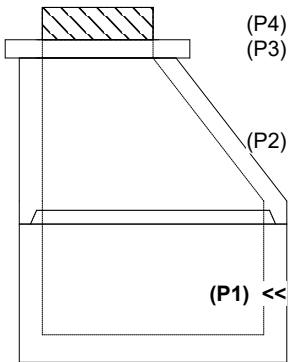
Structure Total: 7641 lb

Rim: 872.61' Rim to Invert: 5.84' Slack: 1.08" Sump: 2" Step Position:

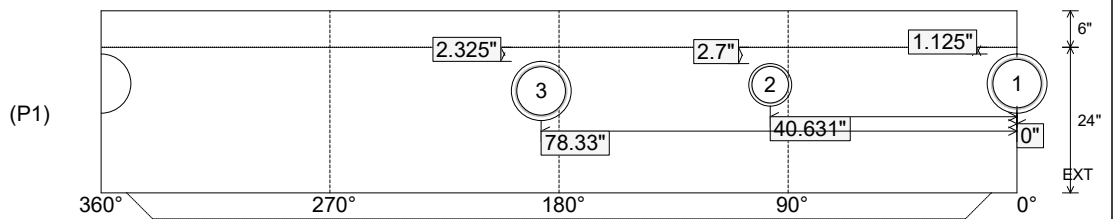
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	866.77'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	866.87'	97°	49.096"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.7"	0"
Invert 3	866.87'	187°	94.649"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
Coating (Ext):

Seam Up: Tongue  
Seam Dn: n/a

Wall Thickness: 5"  
Floor Height: 6"

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

Weight (Net): 2928 lb  
Volume (Net): 0.75cu.yd

Job Name: 25-1431 - Georgetown Commons  
 Job Location: Georgetown, KY  
 Contractor: Winwater Hartford KY Co.

Plant: Beaver Dam

4/28/2026 8:55:44 AM

Tech: J. Coppage

PC: A. Chambers



**Structure ID: SSMH-198**

**P1 MH048BA24**

**MH BASE**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 24" - GRADE RING - 4"
- P2) 48" - ECC CONE w/ 24" HOLE NO STEP - 36"
- P1) 48" - MH BASE - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 0285
- 1) A-Lok - 0200

- Structure Notes:**
1. JR HOE MC-375 SELF SEALING SAN 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.
  5. \*\*NO STEPS\*\*

Structure Total: 7641 lb

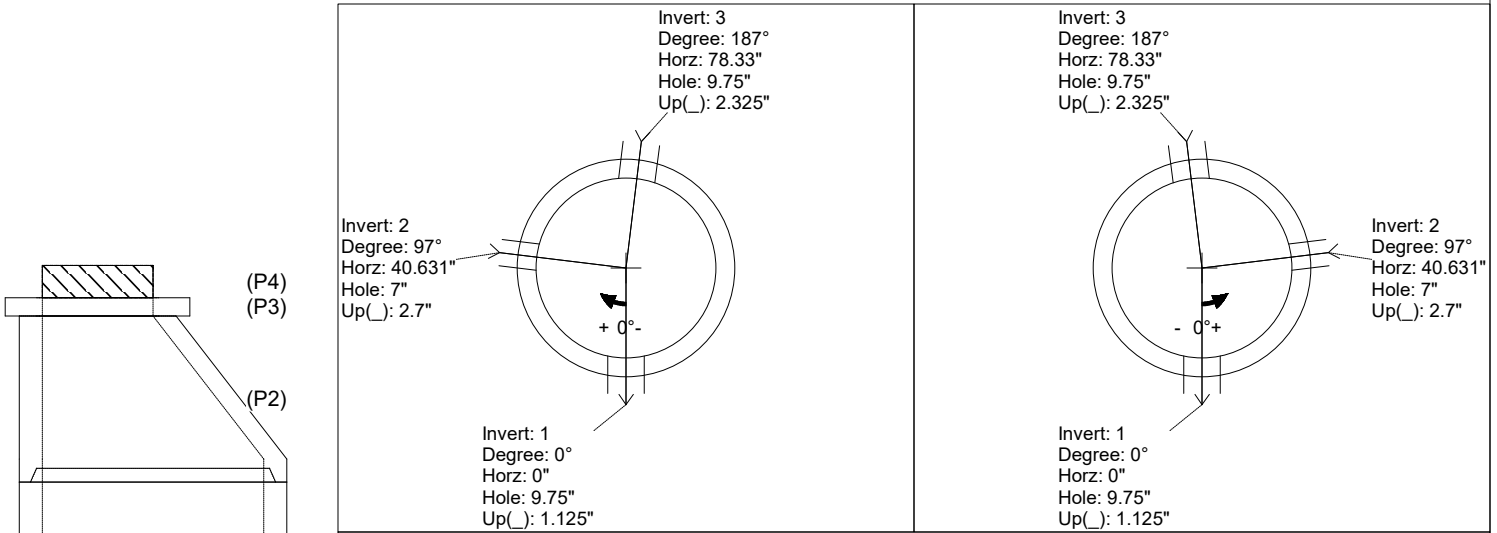
**INVERT CHANNEL DRAWING  
 FULL HEIGHT INVERT**

Rim: 872.61' Rim to Invert: 5.84' Slack: 1.08" Sump: 2" Step Position:

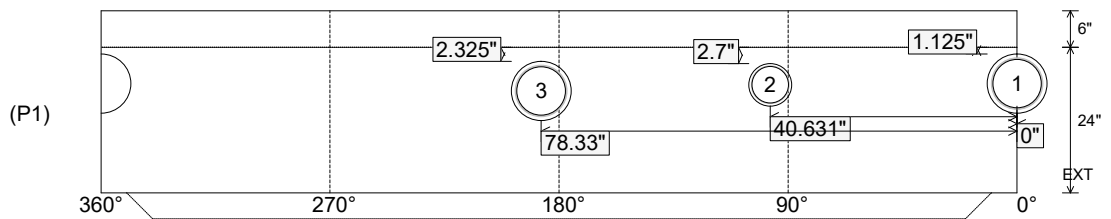
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	866.77'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	866.87'	97°	49.096"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.7"	0"
Invert 3	866.87'	187°	94.649"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 6"

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

Weight (Net): 2928 lb  
 Volume (Net): 0.75cu.yd

**Structure ID: DMH1-28 SS-MHDH**

**P1 MH048DHVF**

**MH DH RISER Custom Ht T/F**

P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH DH RISER Custom Ht T/F - 57" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - Conseal CS-102 1.00" (Double) 2) DOGHOUSE - 12"x16" 1) PSX - 12-08 DD (DBL Bands) 7) MH Step ML-10-TDS-NCR - 10"	0 lb 3000 lb 3769 lb 0 lb 0 lb 0 lb 0 lb 0 lb 8 lb 0 lb ----- Structure Total: 6777 lb
--	---

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY OTHERS.

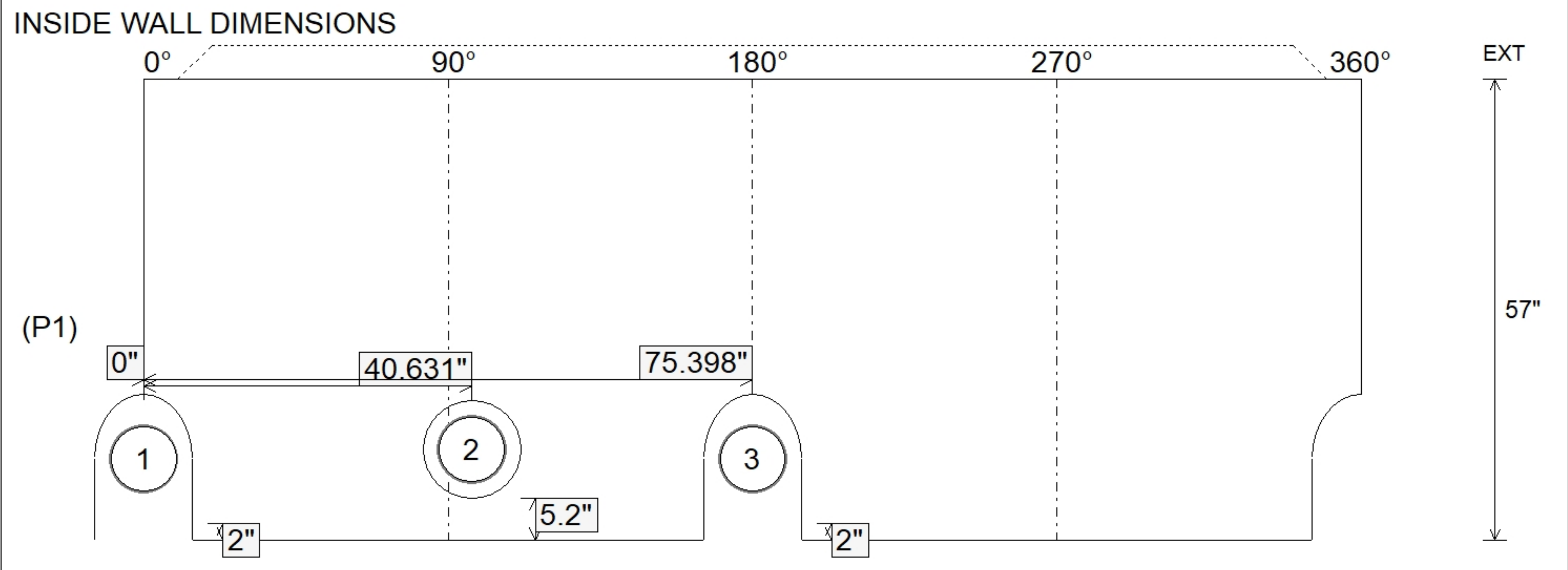
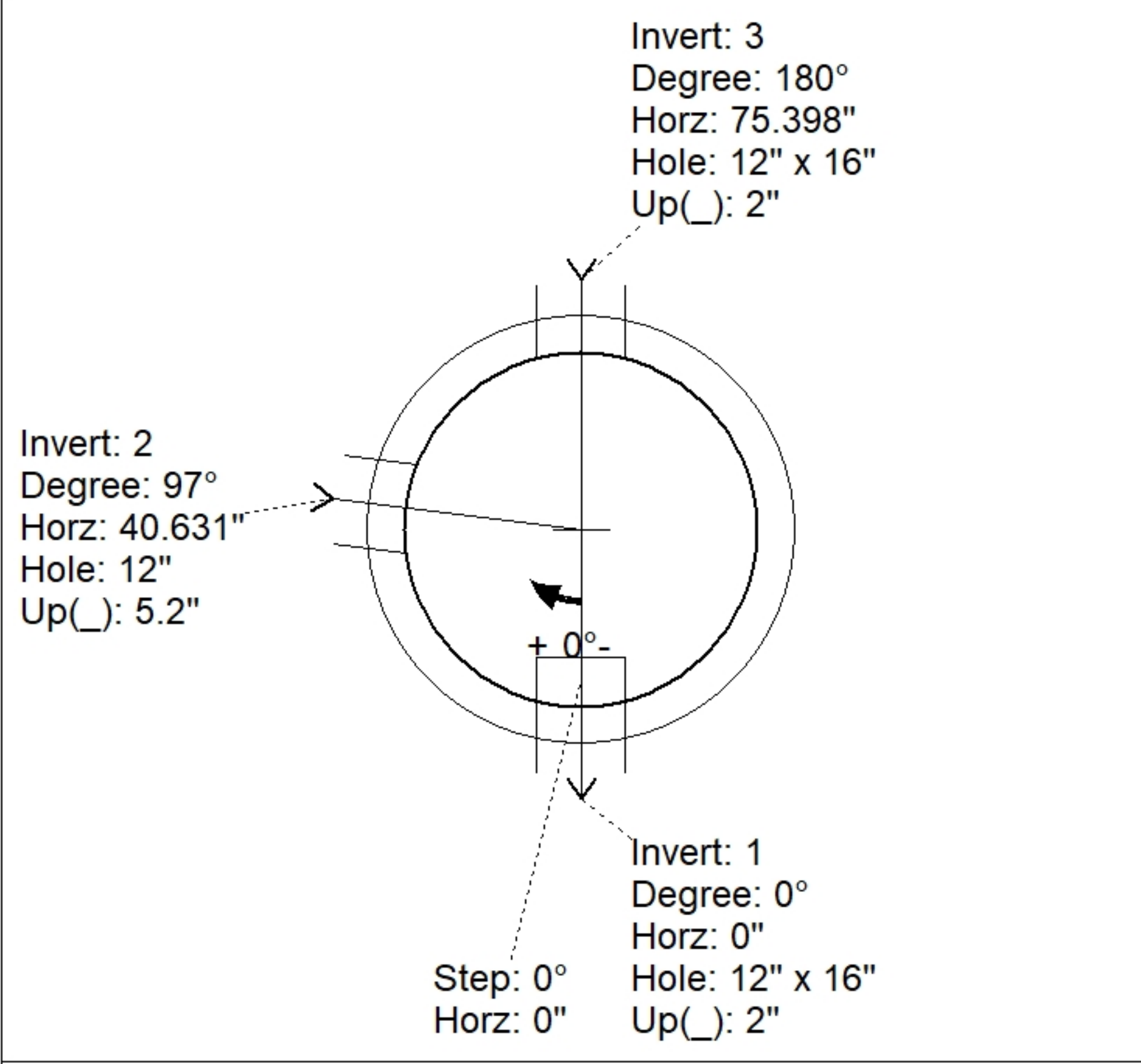
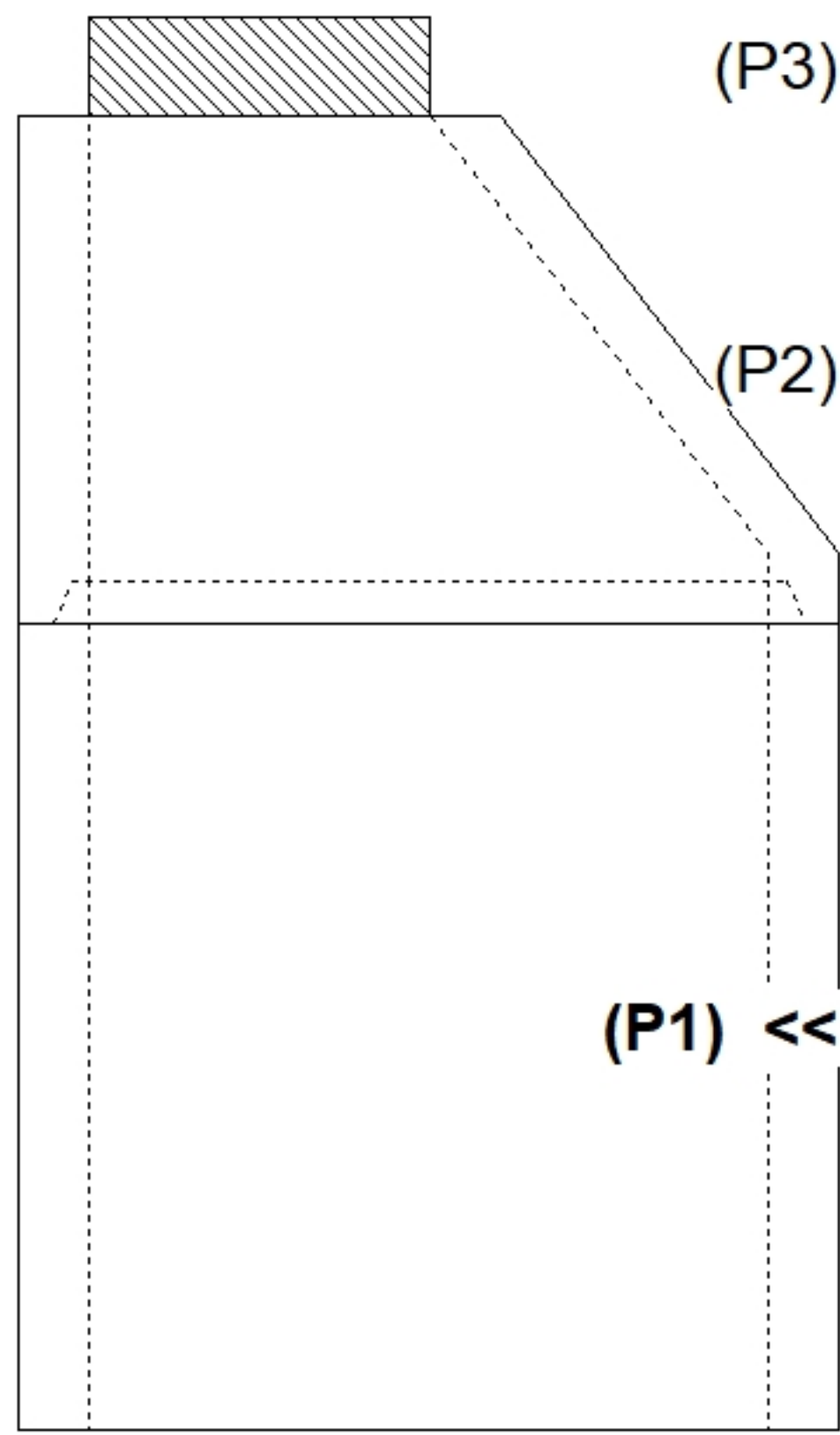
REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER/WALLS (As .12)

Rim: 477.56'    Rim to Invert: 7.91'    Slack: 0.92"    Sump: 6"    Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	469.65'	0°	0"	8" PVC SDR35	8.5"	DOGHOUSE 12"x16"	12" x 16"	12.129"	2"	0"
Invert 2	469.75'	97°	49.096"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	5.2"	0"
Invert 3	469.65'	180°	91.106"	8" PVC SDR35	8.5"	DOGHOUSE 12"x16"	12" x 16"	12.129"	2"	0"
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: Tongue Seam Dn: Flat	Wall Thickness: 5" Floor Height: 0"	Height (Int): 57" Height (Ext): 57"	Weight (Net): 3769 lb Volume (Net): 0.96cu.yd
----------------------------------	----------------------------------	--	--	--

Job Name: 26-1210 Sacramento Gravity Sewer  
 Job Location: Sacramento, KY  
 Contractor: Scott & Ritter, Inc.

Plant: Beaver Dam  
 4/23/2026 8:35:49 AM

Tech: S. Felletter  
 PC: T. Lewis



**Structure ID: DMH7-34 SS-MH**

**P1 MH048BAVF**

**MH BASE Custom Ht T/n**

P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"	1561 lb
P1) 48" - MH BASE Custom Ht T/n - 41"	4051 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) 48" - MH INVERT CHANNEL - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
3) PSX - 12-08 DD (DBL Bands)	24 lb
3) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>7076 lb</b>

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY OTHERS.

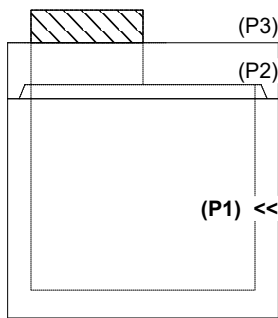
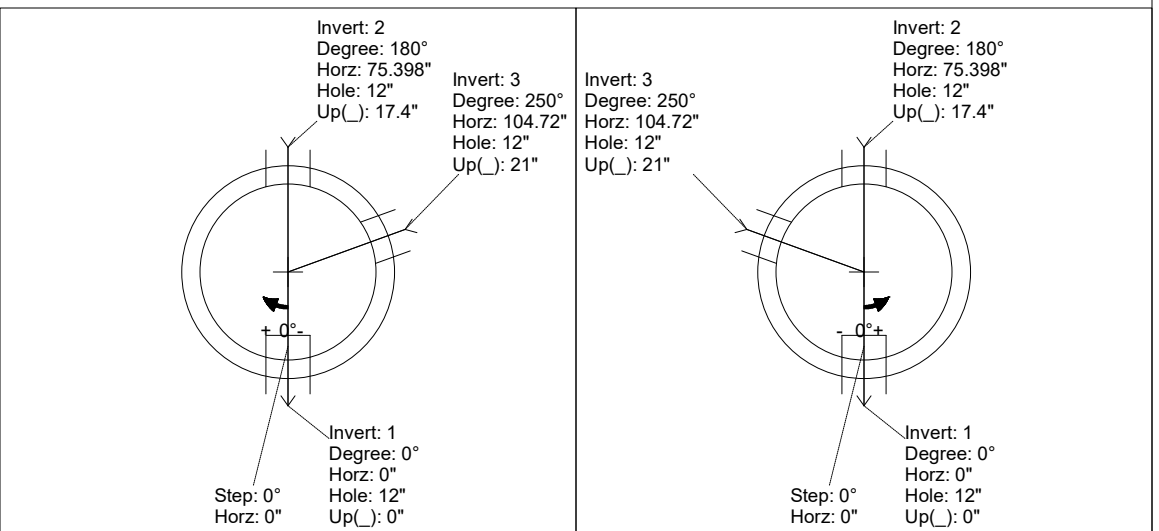
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 479.96'    Rim to Invert: 4.86'    Slack: 0.32"    Sump: 2"    Step Position: 0°

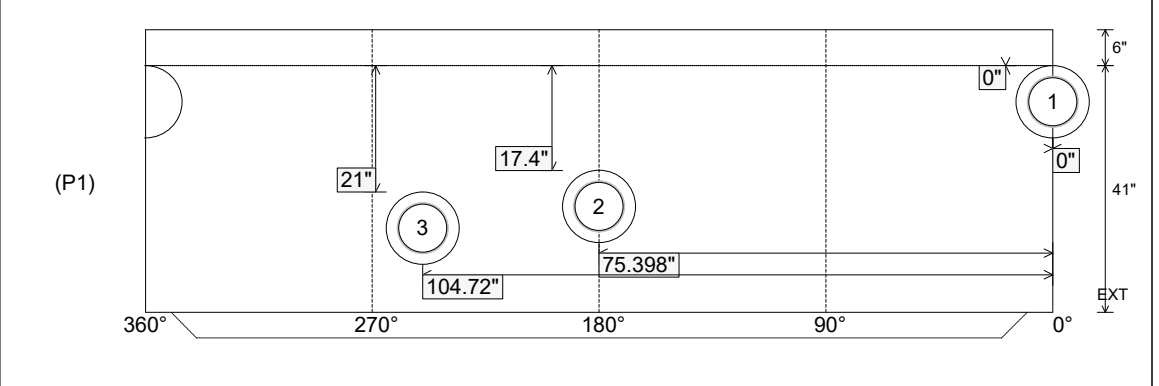
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	475.1'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	476.55'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	17.4"	0"
Invert 3	476.85'	250°	126.536"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	21"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 41" Height (Ext): 47"	Weight (Net): 4051 lb Volume (Net): 1.03cu.yd
----------------------------------	---------------------------------	--	--	--



Job Name: 26-1210 Sacramento Gravity Sewer  
 Job Location: Sacramento, KY  
 Contractor: Scott & Ritter, Inc.

Plant: Beaver Dam  
 4/23/2026 8:35:46 AM

Tech: S. Felletter  
 PC: T. Lewis



**Structure ID: DMH3-30 SS-MH**

**P1 MH048BA18**

**MH BASE T/n**

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 48" - ECC CONE w/ 24" HOLE F/G - 24"	1550 lb
P2) 48" - MH RISER T/G - 48"	3353 lb
P1) 48" - MH BASE T/n - 18"	2492 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) 48" - MH INVERT CHANNEL - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 DD (DBL Bands)	16 lb
7) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>8851 lb</b>

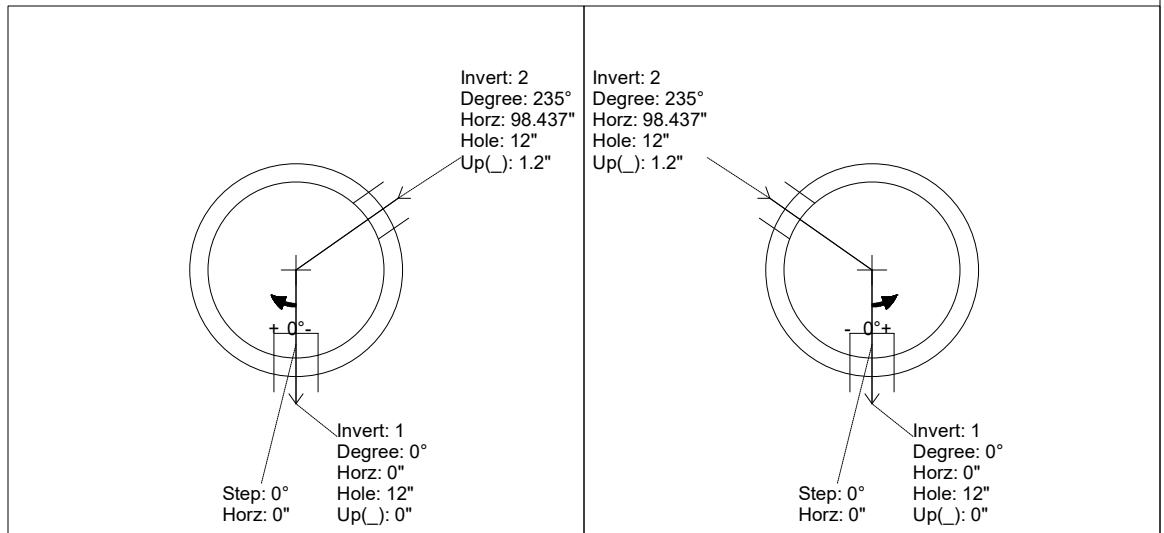
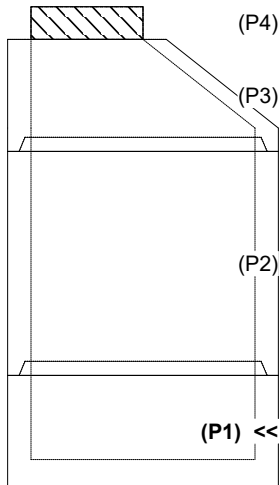
**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY OTHERS.  
  
 REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 480.04' Rim to Invert: 7.93' Slack: 0.16" Sump: 2" Step Position: 0°

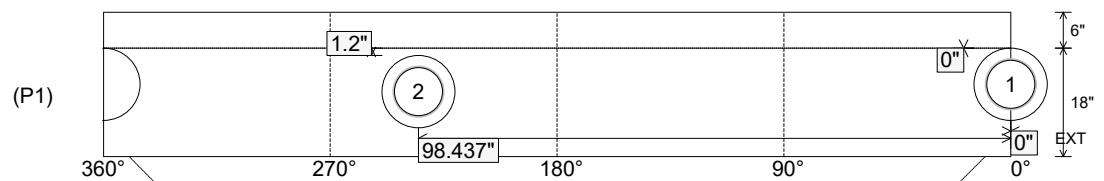
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	472.11'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	472.21'	235°	118.944"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 18" Height (Ext): 24"	Weight (Net): 2492 lb Volume (Net): 0.64cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1210 Sacramento Gravity Sewer  
 Job Location: Sacramento, KY  
 Contractor: Scott & Ritter, Inc.

Plant: Beaver Dam  
 4/23/2026 8:35:46 AM

Tech: S. Felletter  
 PC: T. Lewis



**Structure ID: DMH3-30 SS-MH**

**P1 MH048BA18**

**MH BASE T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 24"
- P2) 48" - MH RISER T/G - 48"
- P1) 48" - MH BASE T/n - 18"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 DD (DBL Bands)
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb  
 1550 lb  
 3353 lb  
 2492 lb  
 0 lb  
 0 lb  
 1440 lb  
 0 lb  
 16 lb  
 0 lb  
 -----  
 Structure Total: 8851 lb

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

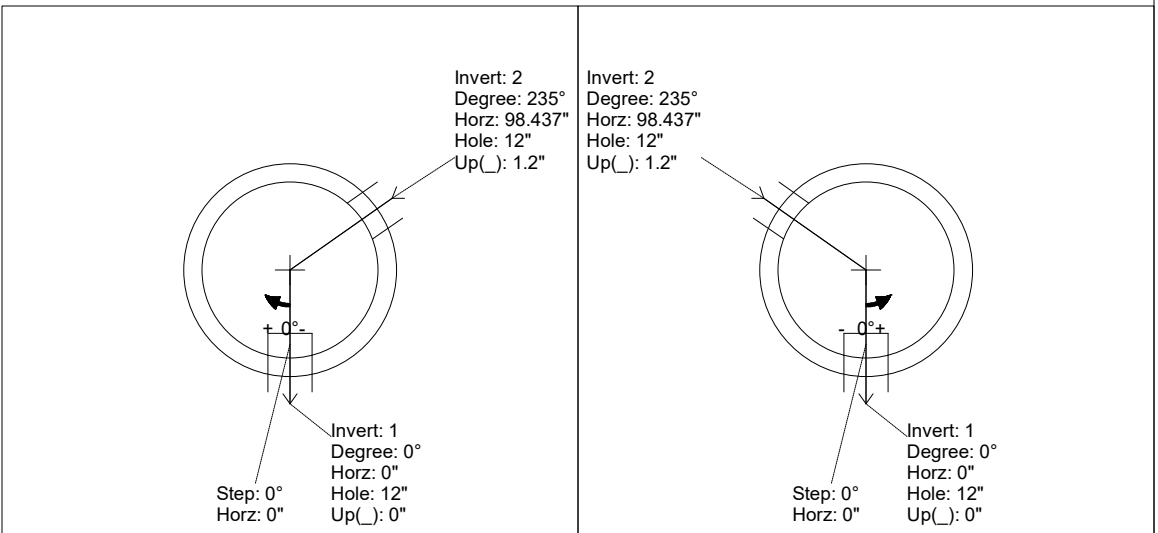
**Invert channel drawing - full height invert**

Rim: 480.04' Rim to Invert: 7.93' Slack: 0.16" Sump: 2" Step Position: 0°

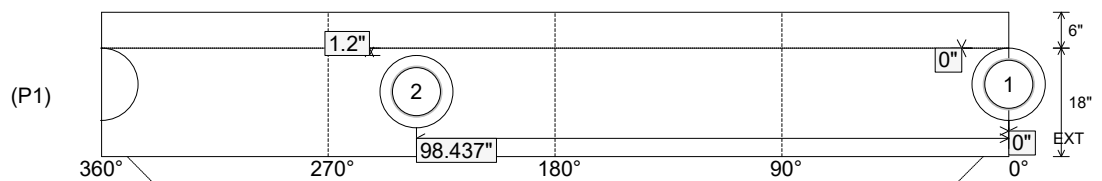
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	472.11'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	472.21'	235°	118.944"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 6"

Height (Int): 18"  
 Height (Ext): 24"

Weight (Net): 2492 lb  
 Volume (Net): 0.64cu.yd

Job Name: 26-1210 Sacramento Gravity Sewer  
 Job Location: Sacramento, KY  
 Contractor: Scott & Ritter, Inc.

Plant: Beaver Dam  
 4/23/2026 8:35:46 AM

Tech: S. Felletter  
 PC: T. Lewis



**Structure ID: DMH2-29 SS-MH**

**P1 MH048BA30**

**MH BASE T/n**

- P5) 24" - CASTING HEIGHT - 7"
- P4) 24" - GRADE RING F/F - 4"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 60"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 DD (DBL Bands)
- 10) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 270 lb
- 3000 lb
- 4192 lb
- 3330 lb
- 0 lb
- 0 lb
- 1440 lb
- 0 lb
- 16 lb
- 0 lb

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

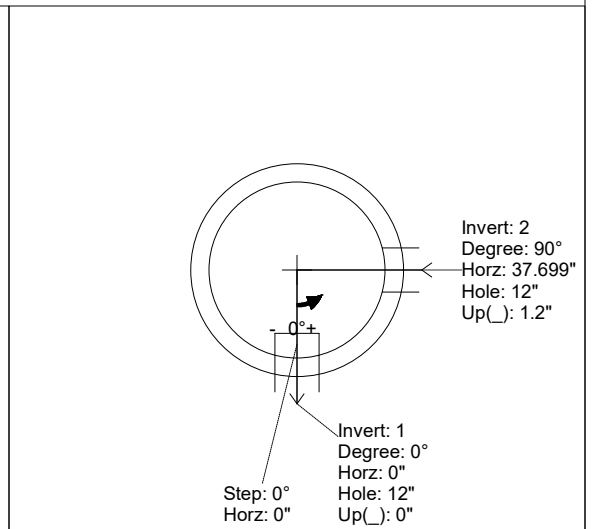
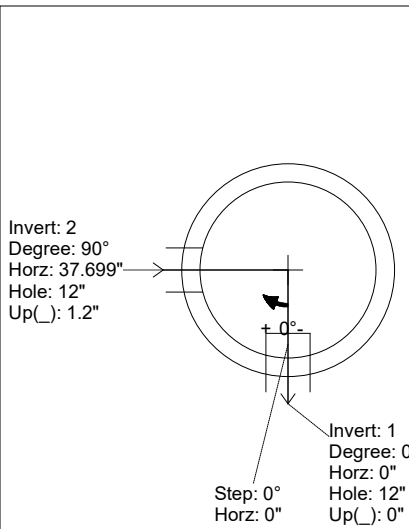
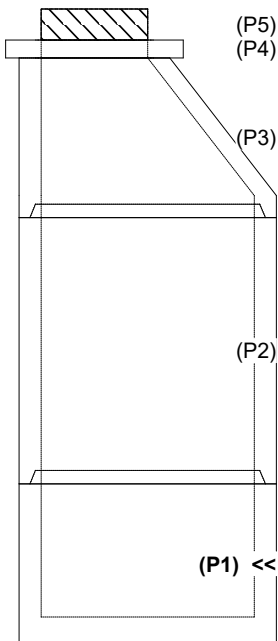
Structure Total: 12248 lb

Rim: 482.67' Rim to Invert: 11.35' Slack: 1.2" Sump: 2" Step Position: 0°

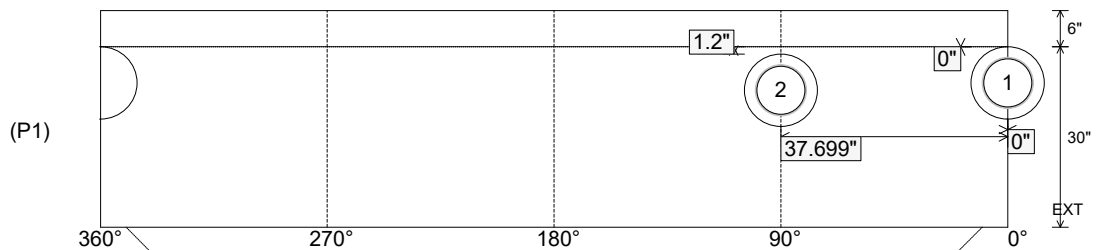
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	471.32'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	471.42'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 6"

Height (Int): 30"  
 Height (Ext): 36"

Weight (Net): 3330 lb  
 Volume (Net): 0.85cu.yd

Job Name: 26-1210 Sacramento Gravity Sewer  
 Job Location: Sacramento, KY  
 Contractor: Scott & Ritter, Inc.

Plant: Beaver Dam  
 4/23/2026 8:35:46 AM

Tech: S. Felletter  
 PC: T. Lewis



**Structure ID: DMH2-29 SS-MH**

**P1 MH048BA30**

**MH BASE T/n**

- P5) 24" - CASTING HEIGHT - 7"
- P4) 24" - GRADE RING F/F - 4"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 60"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 DD (DBL Bands)
- 10) MH Step ML-10-TDS-NCR - 10"

0 lb  
 270 lb  
 3000 lb  
 4192 lb  
 3330 lb  
 0 lb  
 0 lb  
 1440 lb  
 0 lb  
 16 lb  
 0 lb

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

Structure Total: 12248 lb

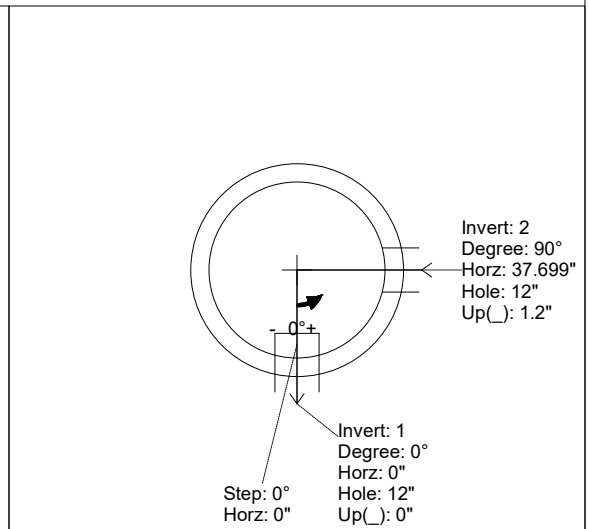
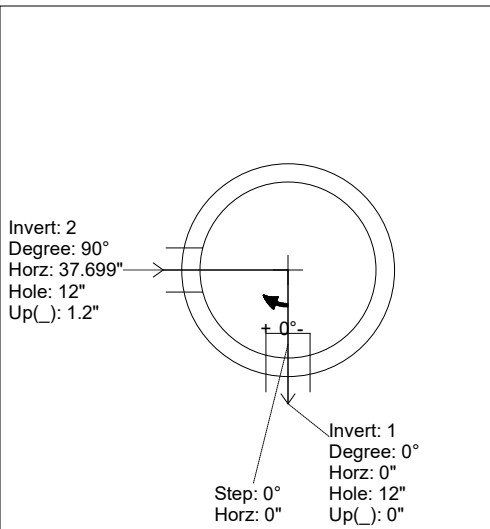
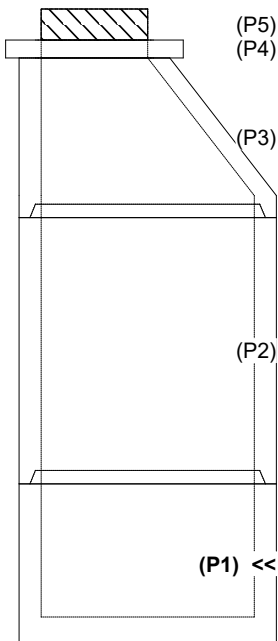
**Invert channel drawing - full height invert**

Rim: 482.67' Rim to Invert: 11.35' Slack: 1.2" Sump: 2" Step Position: 0°

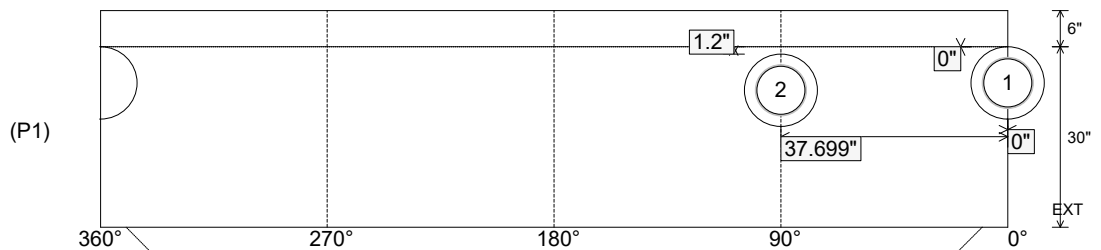
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	471.32'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	471.42'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 6"

Height (Int): 30"  
 Height (Ext): 36"

Weight (Net): 3330 lb  
 Volume (Net): 0.85cu.yd

Job Name: 26-1232 - Mustang Village Apartments Ph.1  
 Job Location: Paducah, KY  
 Contractor: Wood Brothers

Plant: 100  
 4/21/2026 8:03:33 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: SSMH B-3-52 SS-MH**

**P1 MH048BA30**

**MH BASE T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 24"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-375 F/C Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12-08 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb  
 1550 lb  
 2515 lb  
 3378 lb  
 0 lb  
 0 lb  
 1440 lb  
 271 lb  
 0 lb  
 8 lb  
 0 lb  
 -----  
 Structure Total: 9162 lb

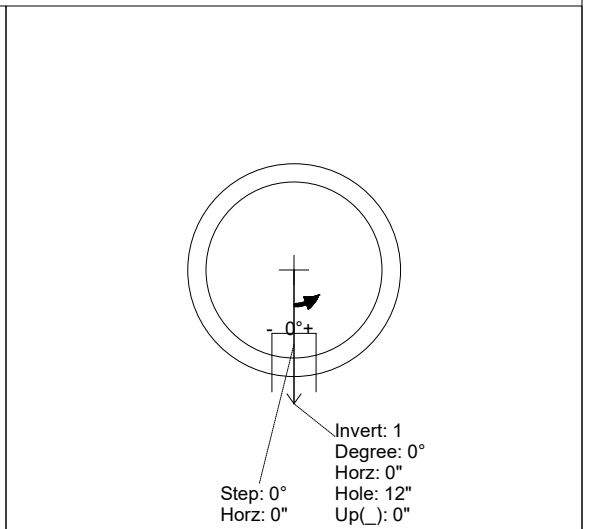
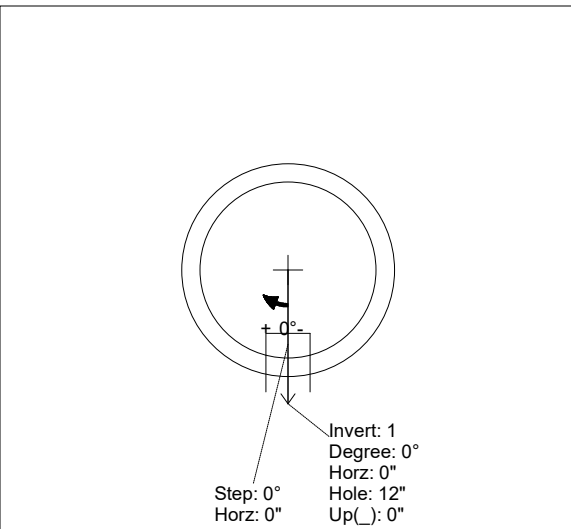
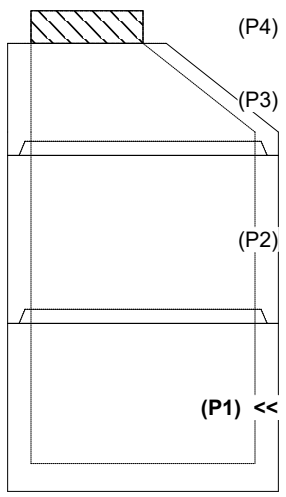
**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY ICAST (HOE MC-375 F/C SANITARY)  
 4. INVERT CHANNEL TO EXTEND TO OPPOSITE WALL AT 180 DEGREES.  
  
 REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 383.5' Rim to Invert: 7.95' Slack: 0.4" Sump: 2" Step Position: 0°

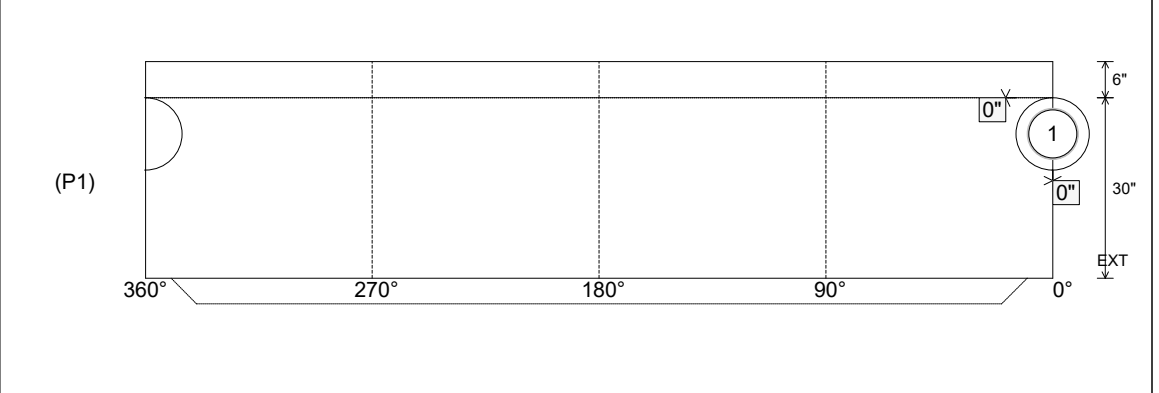
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	375.55'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3378 lb Volume (Net): 0.86cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1232 - Mustang Village Apartments Ph.1  
 Job Location: Paducah, KY  
 Contractor: Wood Brothers

Plant: 100  
 4/21/2026 8:03:33 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: SSMH B-3-52 SS-MH**

**P1 MH048BA30**

**MH BASE T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 24"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-375 F/C Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12-08 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb  
 1550 lb  
 2515 lb  
 3378 lb  
 0 lb  
 0 lb  
 1440 lb  
 271 lb  
 0 lb  
 8 lb  
 0 lb  
 -----  
 Structure Total: 9162 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY ICAST (HOE MC-375 F/C SANITARY)  
 4. INVERT CHANNEL TO EXTEND TO OPPOSITE WALL AT 180 DEGREES.  
  
 REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

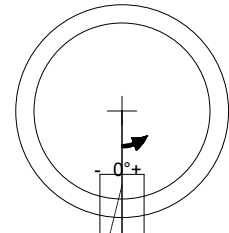
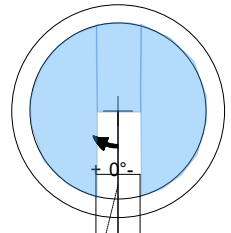
Rim: 383.5' Rim to Invert: 7.95' Slack: 0.4" Sump: 2" Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	375.55'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

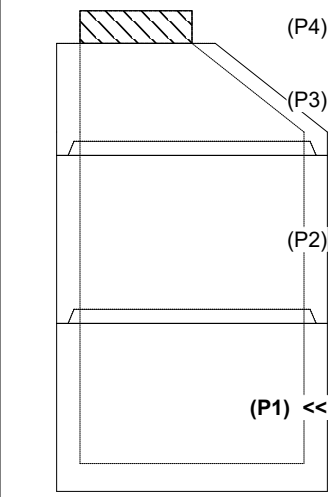
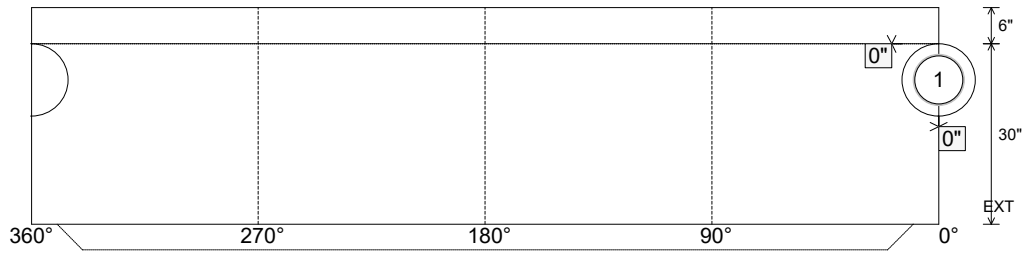
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

**FOR INVERT ONLY**



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3378 lb Volume (Net): 0.86cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1232 - Mustang Village Apartments Ph.1  
 Job Location: Paducah, KY  
 Contractor: Wood Brothers

Plant: 100  
 4/21/2026 8:03:32 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: SSMH B-2-51 SS-MH**

**P1 MH048BA24**

**MH BASE T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 30"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-375 F/C Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 2050 lb
- 2515 lb
- 2911 lb
- 0 lb
- 0 lb
- 1440 lb
- 271 lb
- 0 lb
- 16 lb
- 0 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY ICAST (HOE MC-375 F/C SANITARY)

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

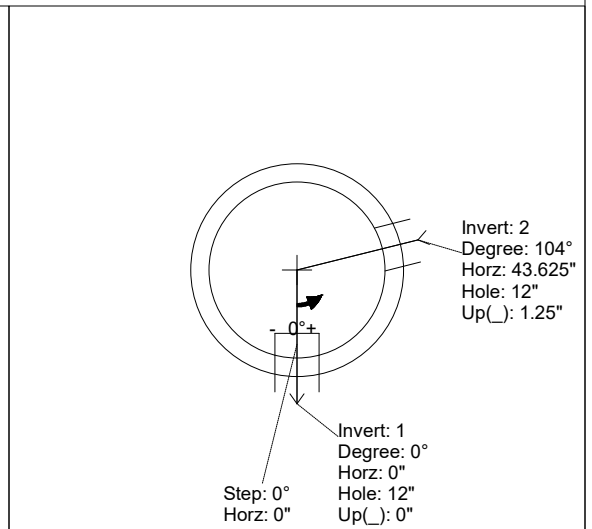
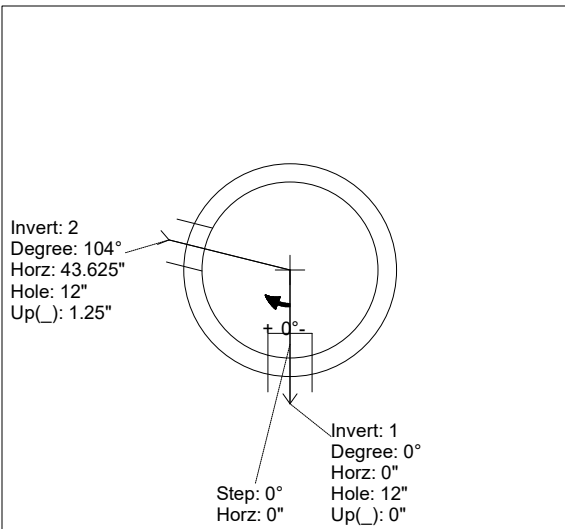
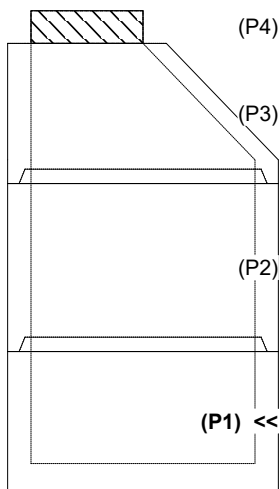
Structure Total: 9203 lb

Rim: 381.92' Rim to Invert: 8' Slack: 1" Sump: 2" Step Position: 0°

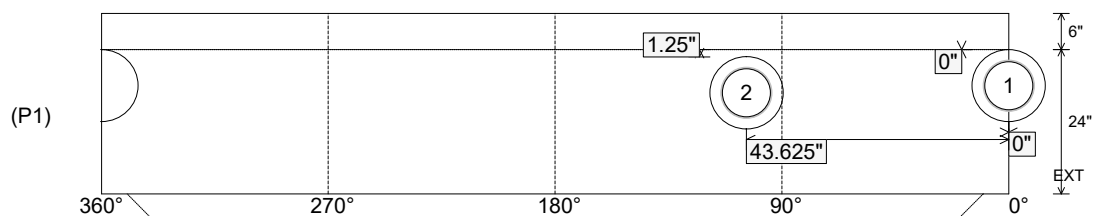
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	373.92'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	374.02'	104°	52.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 6"

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

Weight (Net): 2911 lb  
 Volume (Net): 0.74cu.yd

Job Name: 26-1232 - Mustang Village Apartments Ph.1  
 Job Location: Paducah, KY  
 Contractor: Wood Brothers

Plant: 100  
 4/21/2026 8:03:32 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: SSMH B-2-51 SS-MH**

**P1 MH048BA24**

**MH BASE T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 30"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-375 F/C Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb  
 2050 lb  
 2515 lb  
 2911 lb  
 0 lb  
 0 lb  
 1440 lb  
 271 lb  
 0 lb  
 16 lb  
 0 lb  
 -----  
 Structure Total: 9203 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY ICAST (HOE MC-375 F/C SANITARY)

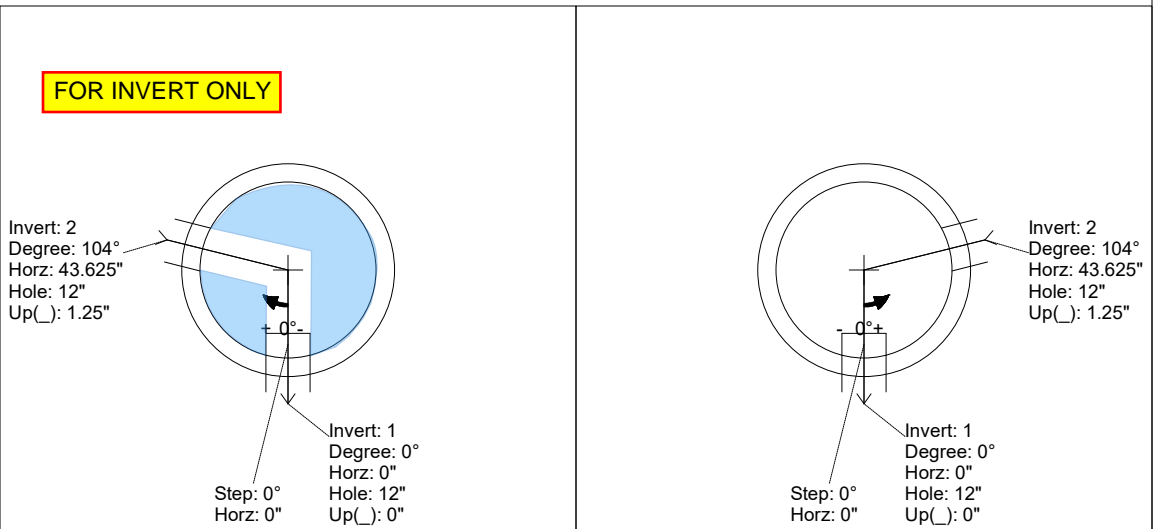
REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 381.92' Rim to Invert: 8' Slack: 1" Sump: 2" Step Position: 0°

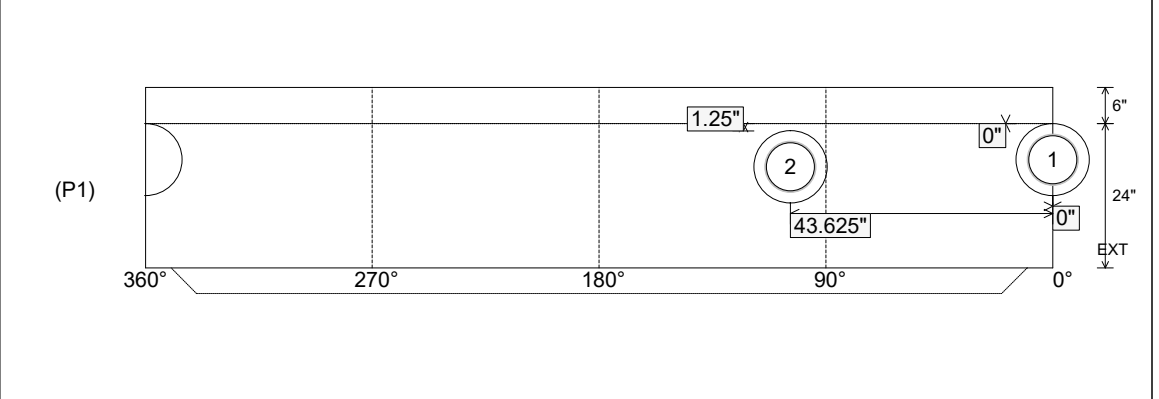
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	373.92'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	374.02'	104°	52.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2911 lb Volume (Net): 0.74cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1232 - Mustang Village Apartments Ph.1  
 Job Location: Paducah, KY  
 Contractor: Wood Brothers

Plant: 100  
 4/21/2026 8:03:32 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: SSMH B-1-50 SS-MH**

**P1 MH048BA24**

**MH BASE T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 48"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-375 F/C Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 8) MH Step ML-10-TDS-NCR - 10"

0 lb  
 3000 lb  
 3353 lb  
 2911 lb  
 0 lb  
 0 lb  
 1440 lb  
 271 lb  
 0 lb  
 16 lb  
 0 lb  
 -----  
 Structure Total: 10991 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY ICAST (HOE MC-375 F/C SANITARY)

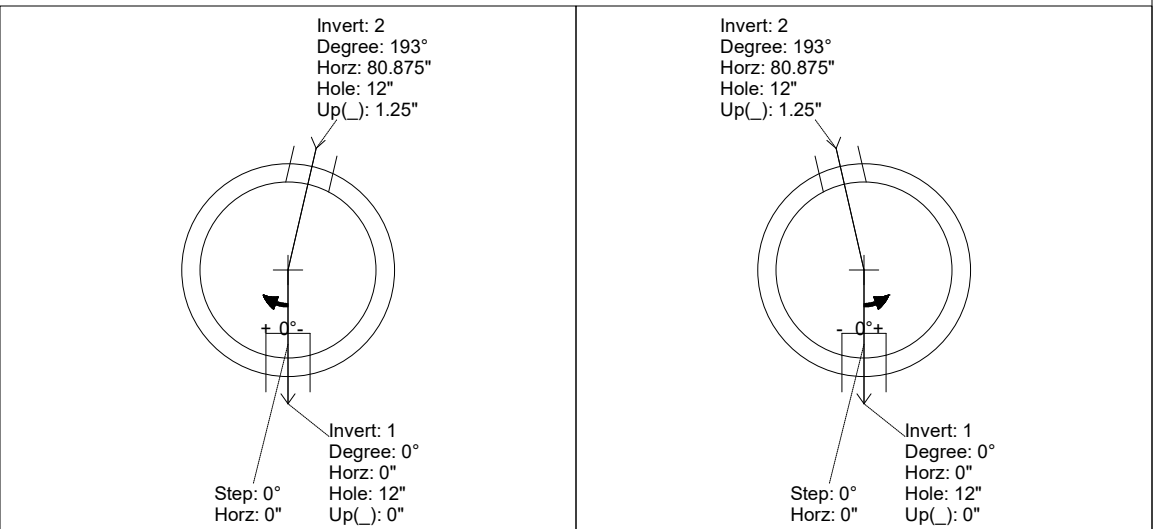
REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 377.1' Rim to Invert: 9.52' Slack: 1.24" Sump: 2" Step Position: 0°

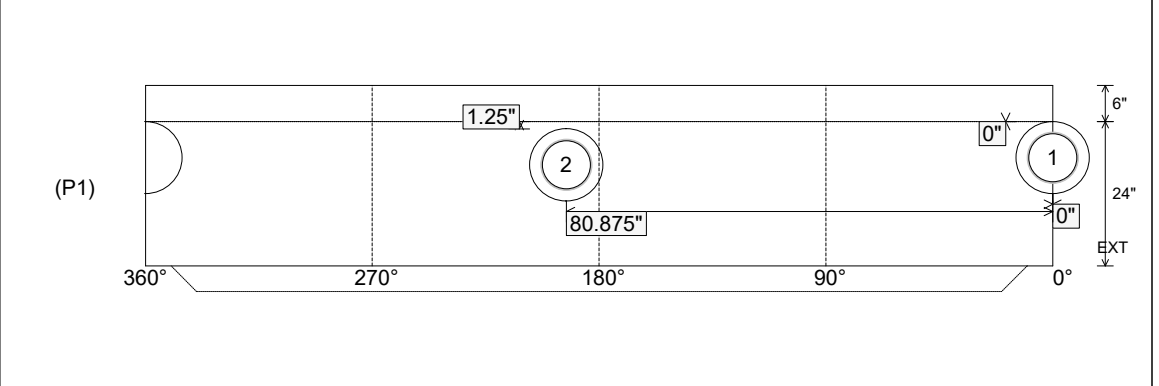
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	367.58'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	367.68'	193°	97.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2911 lb Volume (Net): 0.74cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1232 - Mustang Village Apartments Ph.1  
 Job Location: Paducah, KY  
 Contractor: Wood Brothers

Plant: 100  
 4/21/2026 8:03:32 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: SSMH B-1-50 SS-MH**

**P1 MH048BA24**

**MH BASE T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 48"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-375 F/C Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 8) MH Step ML-10-TDS-NCR - 10"

0 lb  
 3000 lb  
 3353 lb  
 2911 lb  
 0 lb  
 0 lb  
 1440 lb  
 271 lb  
 0 lb  
 16 lb  
 0 lb  
 -----  
 Structure Total: 10991 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY ICAST (HOE MC-375 F/C SANITARY)

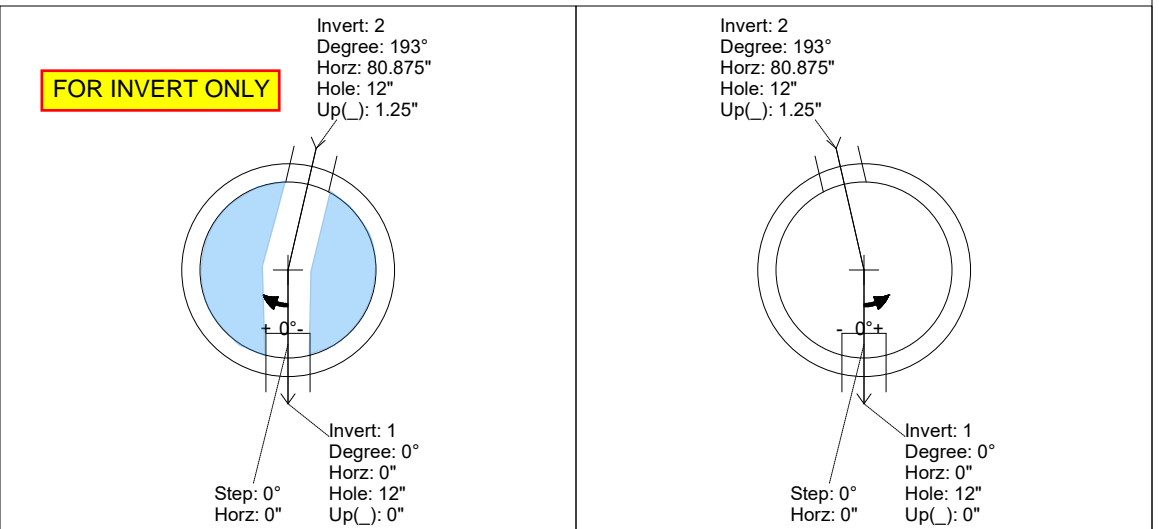
REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 377.1' Rim to Invert: 9.52' Slack: 1.24" Sump: 2" Step Position: 0°

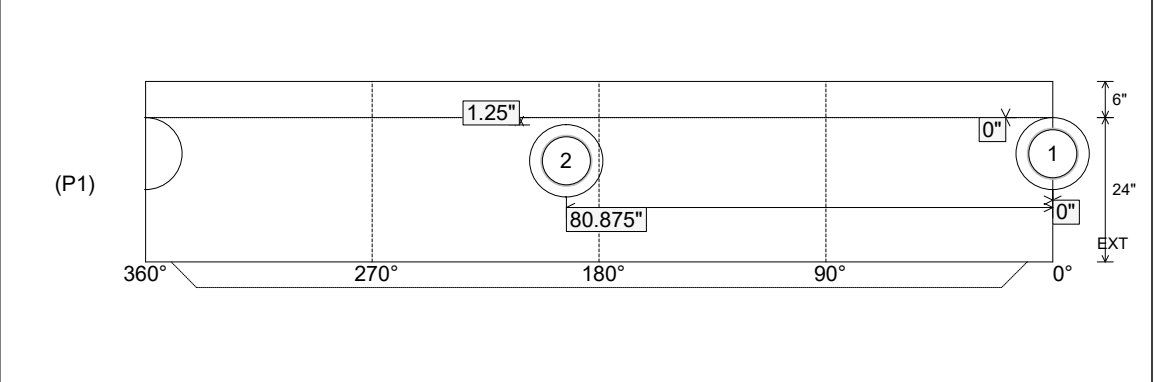
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	367.58'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	367.68'	193°	97.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2911 lb Volume (Net): 0.74cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4590 Uhlhorn Sewer Repairs  
 Job Location: Evansville, IN  
 Contractor: Bowen Engineering Corporation

Plant: Beaver Dam  
 5/11/2026 10:20:08 AM

Tech: S. Felletter  
 PC: A. Chambers



**Structure ID: 101 (7)**

**P1 MH060BAVFCDARED**

**MH BASE Custom Ht, w/ConBlock-CDA Red T/n**

P6) 24" - CASTING HEIGHT - 7"	0 lb
P5) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30"	1961 lb
P4) 48" - MH RISER w/ConBlock-CDA Red T/G - 72"	5030 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 72"	5030 lb
P2) 60" - MH TRANS. SLAB ECC w/ConBlock-CDA Red T/G - 15"	2204 lb
P1) 60" - MH BASE Custom Ht, w/ConBlock-CDA Red T/n - 68"	9092 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) 60" - MH INVERT CHANNEL EWSU w/ConBlock-CDA Red - FULL HEIGHT	2962 lb
1) CASTING - HOE MC-315 F/C Sanitary	258 lb
1) 60" - Conseal CS-102 1.00" (Double)	0 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) Kor-N-Seal2 - S206-30	13 lb
<b>Structure Total:</b>	<b>26550 lb</b>

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY ICAST (HOE MC-315 F/C "SANITARY").  
 4. NO STEPS.

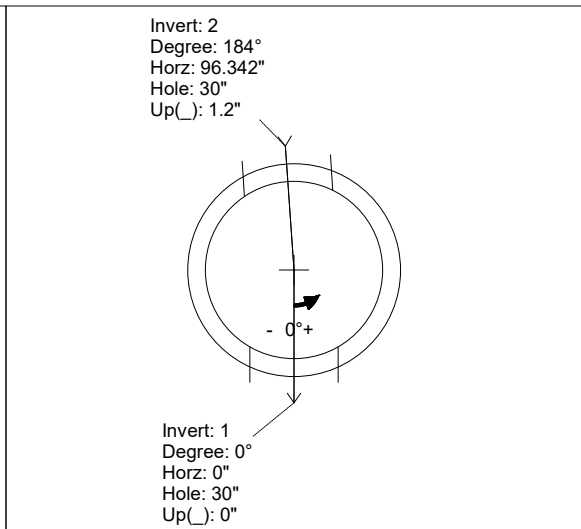
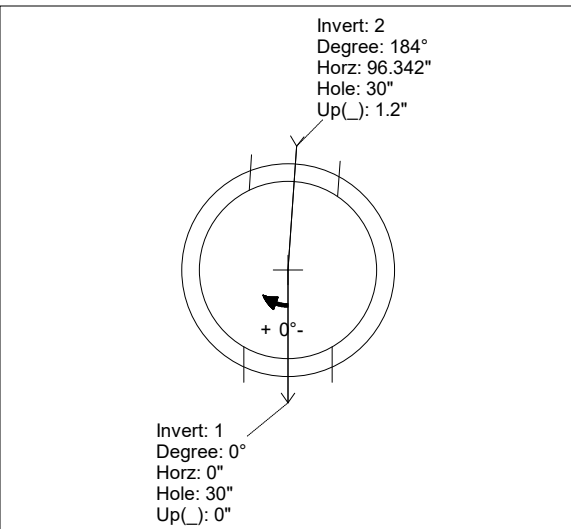
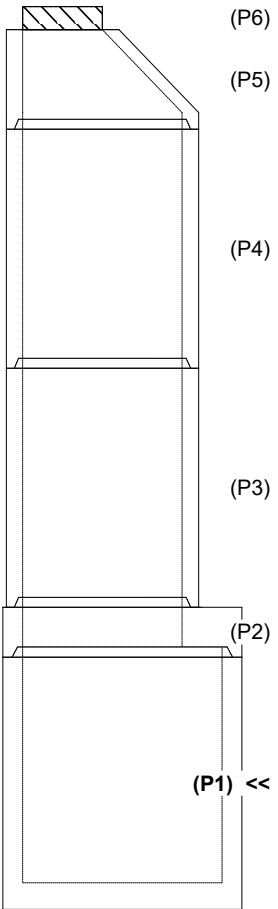
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.  
 - RISER/WALLS (As .18)  
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 379.29'    Rim to Invert: 21.82'    Slack: 0.84"    Sump: 3"    Step Position:

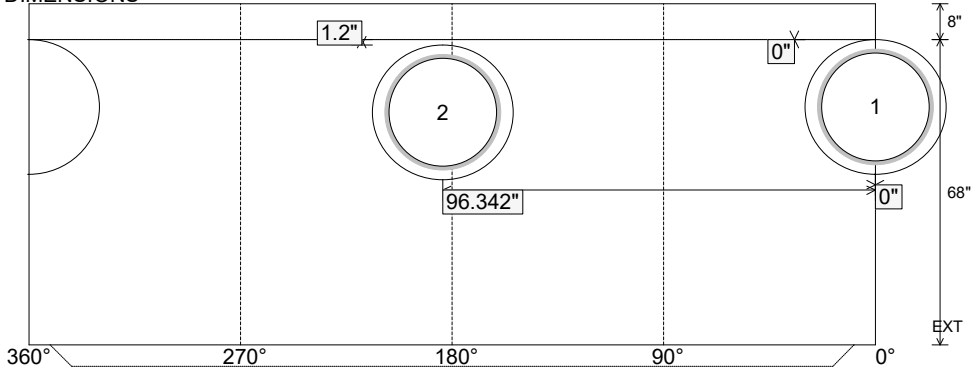
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	357.47'	0°	0"	24" PVC C900	25.8"	Kor-N-Seal2 S206-30	30"	31.416"	0"	0"
Invert 2	357.57'	184°	115.611"	24" PVC C900	25.8"	Kor-N-Seal2 S206-30	30"	31.416"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 68" Height (Ext): 76"	Weight (Net): 9092 lb Volume (Net): 2.32cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4590 Uhlhorn Sewer Repairs  
 Job Location: Evansville, IN  
 Contractor: Bowen Engineering Corporation

Plant: Beaver Dam  
 5/11/2026 10:20:08 AM

Tech: S. Felletter  
 PC: A. Chambers



**Structure ID: 101 (7)**

**P1 MH060BAVFCDARED**

**MH BASE Custom Ht, w/ConBlock-CDA Red T/n**

- P6) 24" - CASTING HEIGHT - 7" 0 lb
- P5) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" 1961 lb
- P4) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" 5030 lb
- P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" 5030 lb
- P2) 60" - MH TRANS. SLAB ECC w/ConBlock-CDA Red T/G - 15" 2204 lb
- P1) 60" - MH BASE Custom Ht, w/ConBlock-CDA Red T/n - 68" 9092 lb
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 0 lb
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
- 1) 60" - MH INVERT CHANNEL EWSU w/ConBlock-CDA Red - FULL HEIGHT 2962 lb
- 1) CASTING - HOE MC-315 F/C Sanitary 258 lb
- 1) 60" - Conseal CS-102 1.00" (Double) 0 lb
- 3) 48" - Conseal CS-102 1.00" (Double) 0 lb
- 2) Kor-N-Seal2 - S206-30 13 lb

- Structure Notes:**
1. PER ASTM C478 SPECIFICATIONS.
  2. CONCRETE = 4,000 PSI AT 28 DAYS.
  3. CASTING BY ICAST (HOE MC-315 F/C "SANITARY").
  4. NO STEPS.

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

Structure Total: 26550 lb

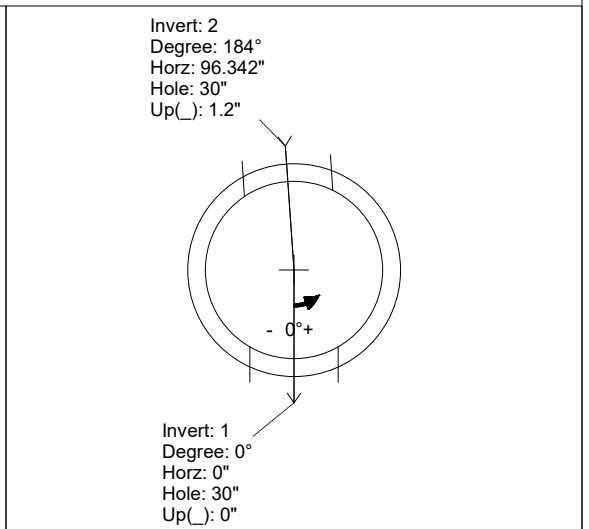
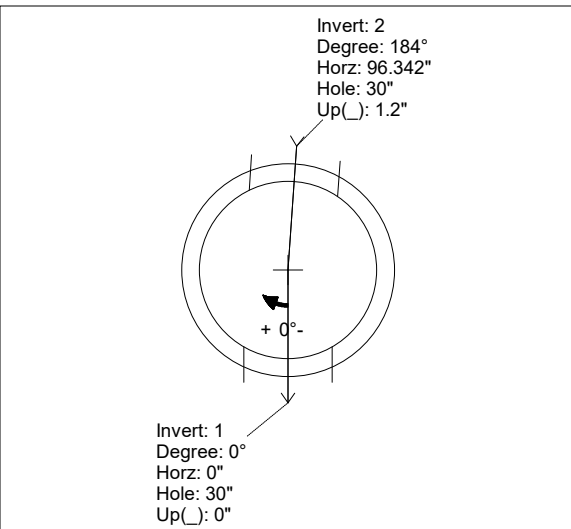
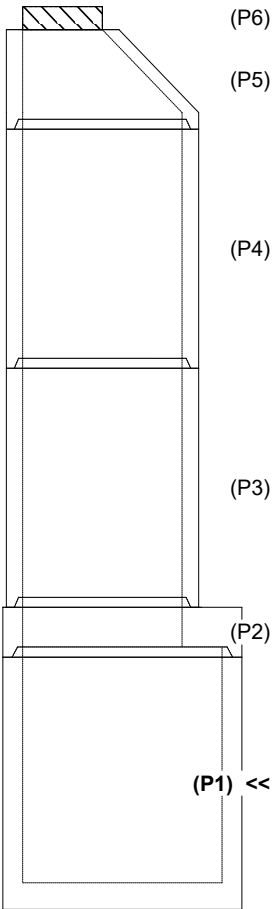
**Invert channel drawing  
 Full height invert  
 EWSU invert required**

Rim: 379.29'    Rim to Invert: 21.82'    Slack: 0.84"    Sump: 3"    Step Position:

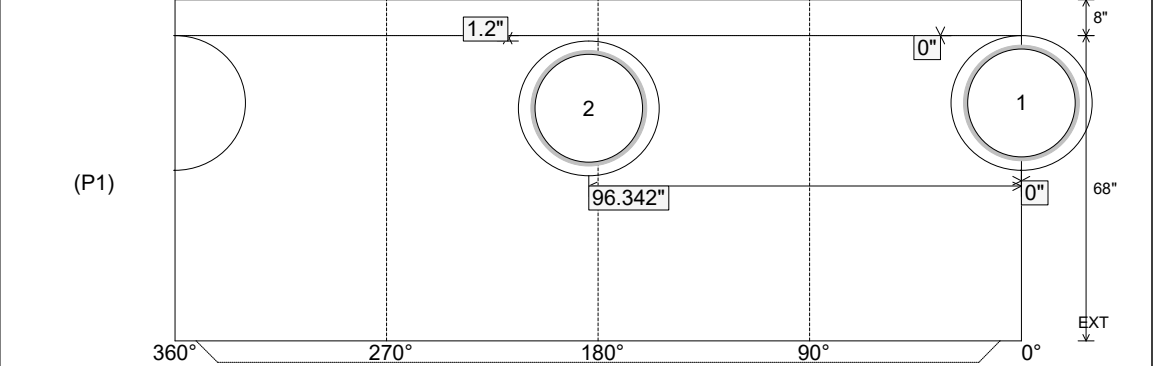
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	357.47'	0°	0"	24" PVC C900	25.8"	Kor-N-Seal2 S206-30	30"	31.416"	0"	0"
Invert 2	357.57'	184°	115.611"	24" PVC C900	25.8"	Kor-N-Seal2 S206-30	30"	31.416"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 68" Height (Ext): 76"	Weight (Net): 9092 lb Volume (Net): 2.32cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4590 Uhlhorn Sewer Repairs  
 Job Location: Evansville, IN  
 Contractor: Bowen Engineering Corporation

Plant: Beaver Dam  
 5/11/2026 10:20:36 AM

Tech: S. Felletter  
 PC: A. Chambers



**Structure ID: 102 (8)**

**P2 MH060TS15-48ECC-CDARED**

**MH TRANS. SLAB ECC w/ConBlock-CDA Red T/G**

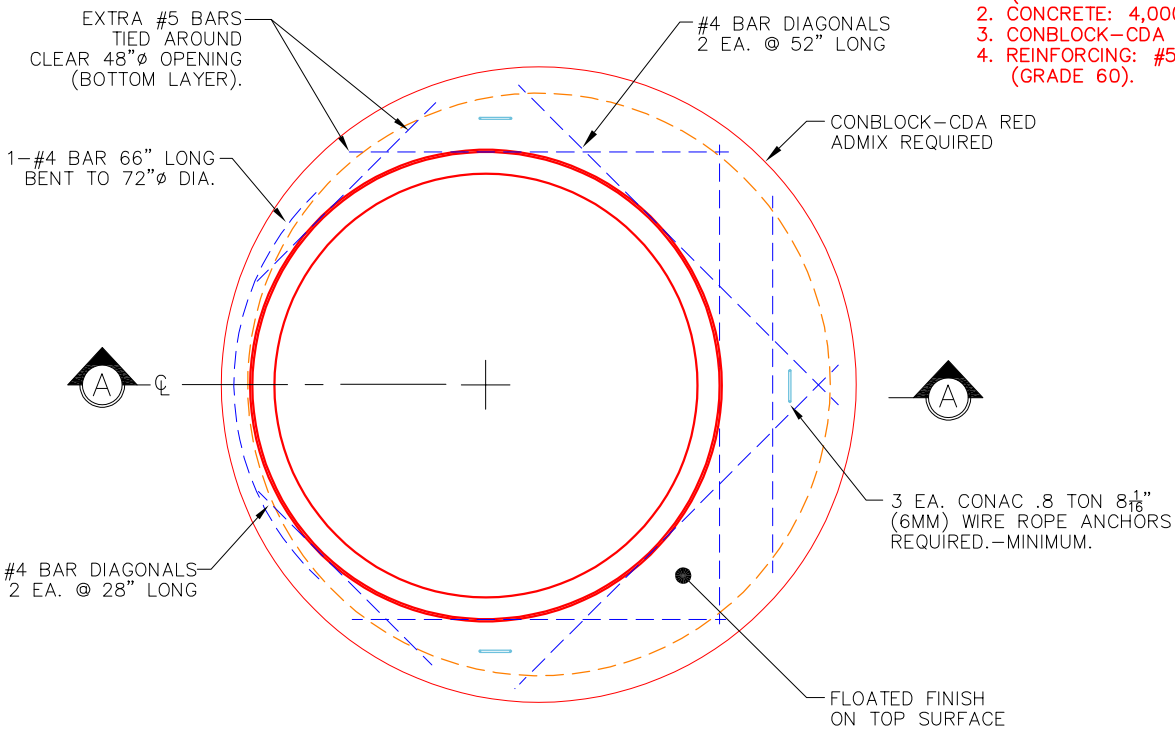
P6) 24" - CASTING HEIGHT - 7"	0 lb
P5) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30"	1961 lb
P4) 48" - MH RISER w/ConBlock-CDA Red T/G - 72"	5030 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 72"	5030 lb
P2) 60" - MH TRANS. SLAB ECC w/ConBlock-CDA Red T/G - 15"	2204 lb
P1) 60" - MH BASE Custom Ht, w/ConBlock-CDA Red T/n - 65"	8779 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) 60" - MH INVERT CHANNEL EWSU w/ConBlock-CDA Red - FULL HEIGHT	2962 lb
1) CASTING - HOE MC-315 F/C Sanitary	258 lb
1) 60" - Conseal CS-102 1.00" (Double)	0 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) Kor-N-Seal2 - S206-30	13 lb
<b>Structure Total:</b>	<b>26237 lb</b>

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. CASTING BY ICAST (HOE MC-315 F/C "SANITARY").  
 4. NO STEPS.

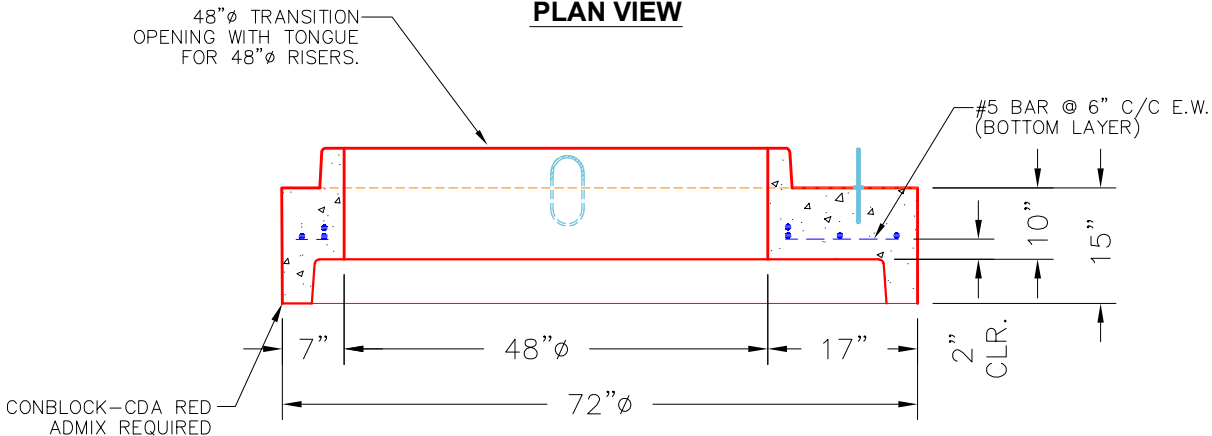
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.  
 - RISER/WALLS (As .18)  
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

**NOTES:**

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



**PLAN VIEW**



**SECTION A-A**

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 6"	Height (Ext): 15"	Weight (Net): 2204 lb Volume (Net): 0.56cu.yd
----------------------------------	------------------------------------	--------------------	-------------------	--

Job Name: 25-1431 - Georgetown Commons  
 Job Location: Georgetown, KY  
 Contractor: Winwater Hartford KY Co.

Plant: Beaver Dam

4/23/2026 11:30:45 AM

Tech: J. Coppage

PC: A. Chambers



**Structure ID: CB 110**

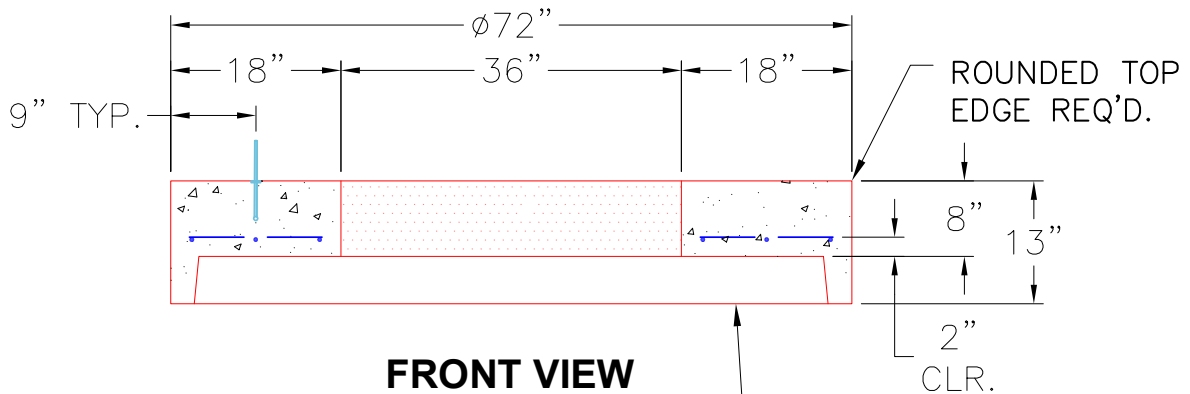
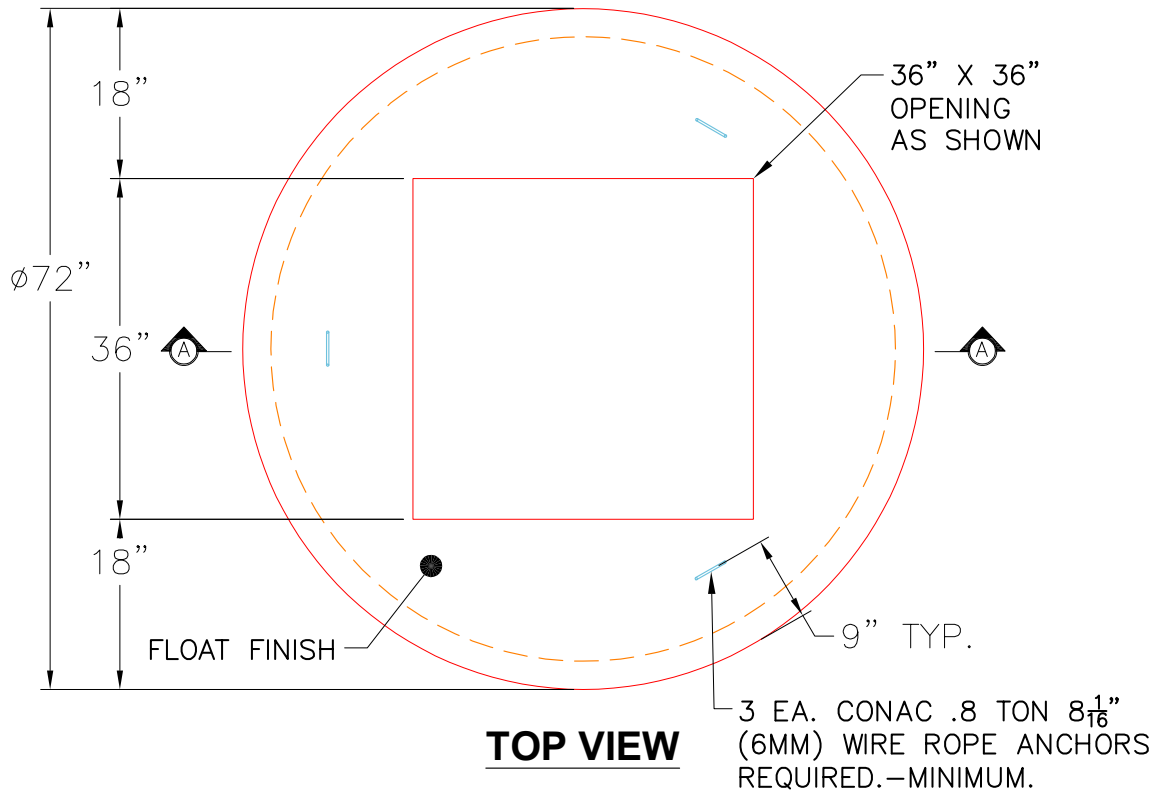
**P3 MH060LD13-36SQ**

**MH FLAT TOP w/36"x36" Hole**

- P4) 36" x 36" - CASTING HEIGHT - 3"
- P3) 60" - MH FLAT TOP w/36"x36" Hole - 13"
- P2) 60" - MH RISER Custom Ht - 28"
- P1) 60" - MH BASE - 60"
- 1) CASTING - HOE 595 F/G
- 2) 60" - Conseal CS-102 1.00"
- 1) 36" x 36" - Conseal CS-102 1.00"
- 2) Hole - 46
- 5) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:**
1. JR HOE HOE-595 PROVIDED BY ICAST.
  2. PER ASTM C478 SPECIFICATIONS.
  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..
    - RISER/WALLS (As .18)
    - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Structure Total: 12568 lb



- NOTES:**
1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
  2. CONCRETE: 5,000 PSI AT 28 DAYS.
  3. REINFORCING: #4 BAR @ 9" O.C. E.W. (GRADE 60).

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 6"	Height (Ext): 13"	Weight (Net): 2134 lb Volume (Net): 0.55cu.yd
----------------------------------	----------------------------------	--------------------	-------------------	--



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

Plant: 100

Tech: J. Horsley - A

3/20/2026 1:21:28 PM

PC: Celina Goff



**Structure ID: 2301546**

**P1 MH072BA60**

**MH BASE w/DROP T/n**

- P6) 24" - CASTING HEIGHT - 7"
- P5) 24" - GRADE RING F/F - 3"
- P4) 48" - CON CONE w/24" HOLE F/G - 36"
- P3) 72" - MH Transition Slab 48" Hole T/G - 15"
- P2) 72" - MH RISER w/DROP T/G - 60"
- P1) 72" - MH BASE w/DROP T/n - 60"
- 1) 72" - MH INVERT CHANNEL - FULL HEIGHT
- 1) SECONDARY POUR - Add Exterior Drop to Base (P1)
- 1) SECONDARY POUR - Add Exterior Drop to Riser (P2)
- 2) 72" - Conseal CS-102 1.00" (Double)
- 1) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 14) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 202 lb
- 2252 lb
- 3864 lb
- 8713 lb
- 11072 lb
- 5422 lb
- 2924 lb
- 2580 lb
- 0 lb
- 0 lb
- 2 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- Structure Total: 37033 lb

- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. EXTERIOR DROP REINFORCEMENT: DRILL & STUB #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
  4. INVERT CHANNEL REQUIRED
  5. STEPS AT 90 DEGREES
  6. 7" CASTING SUPPLIED BY OTHERS
  7. EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST
  8. ADD 8" SDR 35 DROP & ELBOW AT INVERT 4 (244°)

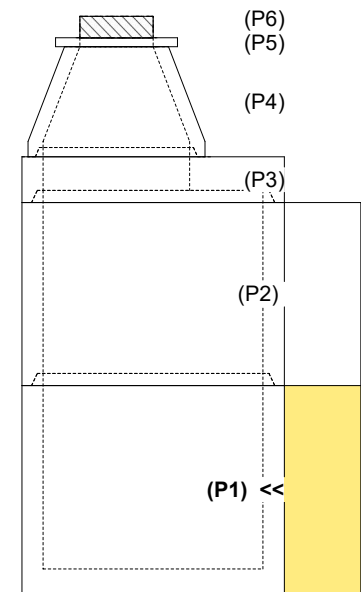
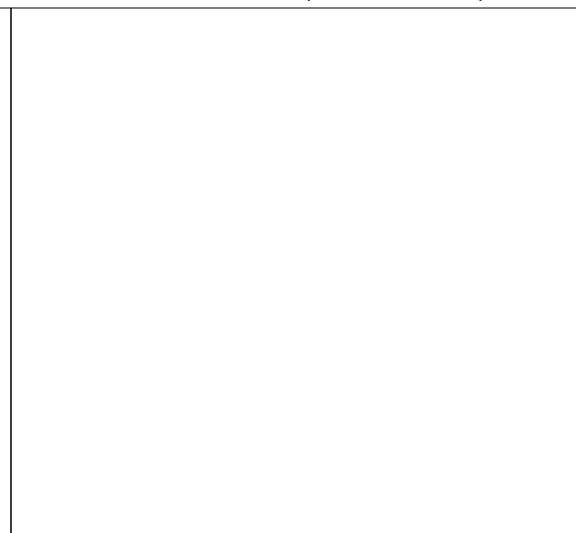
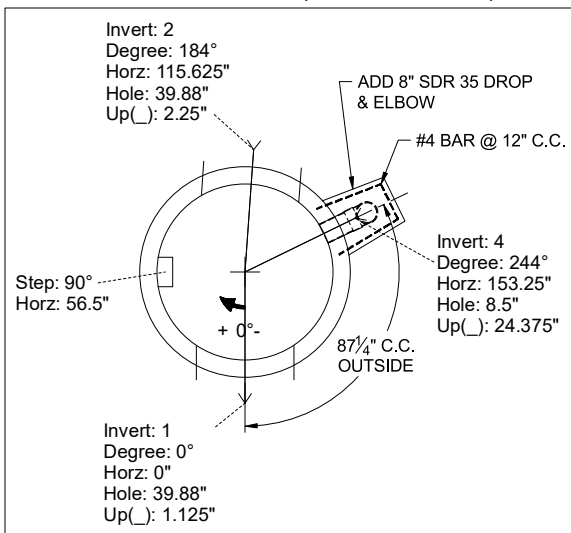
**FIRST POUR (BASE): 11,072 LBS**  
**SECOND POUR (DROP): 2,924 LBS**

Rim: 749.93' Rim to Invert: 14.92' Slack: 1.04" Sump: 3" Step Position: 90°

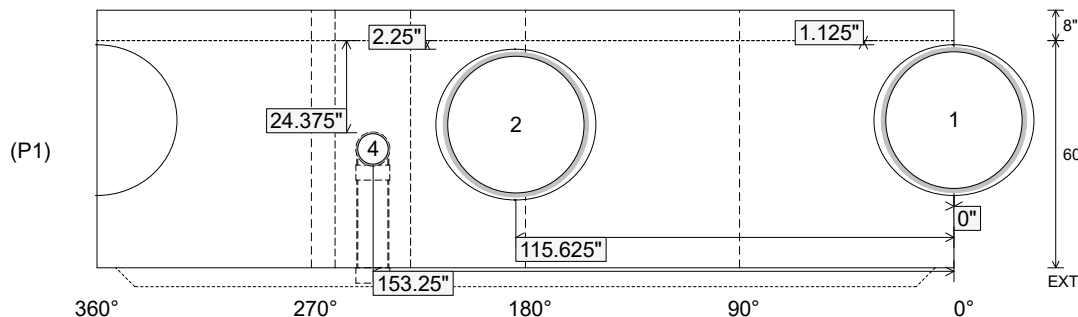
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1	735.01'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	735.11'	184°	138.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	0"
Invert 3										
Invert 4	736.81'	244°	183.125"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.52"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 7"  
 Floor Height: 8"

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

Weight (Net): 11072 lb  
 Volume (Net): 2.83cu.yd

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

Plant: 100

Tech: J. Horsley - A

3/20/2026 1:21:28 PM

PC: Celina Goff



**Structure ID: 2301546**

**P1 MH072BA60**

**MH BASE w/DROP T/n**

- P6) 24" - CASTING HEIGHT - 7"
- P5) 24" - GRADE RING F/F - 3"
- P4) 48" - CON CONE w/24" HOLE F/G - 36"
- P3) 72" - MH Transition Slab 48" Hole T/G - 15"
- P2) 72" - MH RISER w/DROP T/G - 60"
- P1) 72" - MH BASE w/DROP T/n - 60"
- 1) 72" - MH INVERT CHANNEL - FULL HEIGHT
- 1) SECONDARY POUR - Add Exterior Drop to Base (P1)
- 1) SECONDARY POUR - Add Exterior Drop to Riser (P2)
- 2) 72" - Conseal CS-102 1.00" (Double)
- 1) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 14) MH Step ML-10-TDS-NCR - 10"

0 lb  
 202 lb  
 2252 lb  
 3864 lb  
 8713 lb  
 11072 lb  
 5422 lb  
 2924 lb  
 2580 lb  
 0 lb  
 0 lb  
 2 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 37033 lb

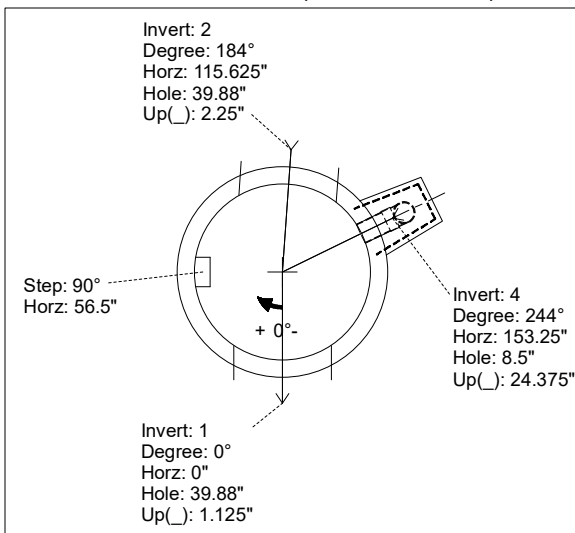
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT:
    - WALLS: PER ASTM A615 - DOUBLE MAT
    - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
  4. INVERT CHANNEL REQUIRED
  5. STEPS AT 90 DEGREES
  6. 7" CASTING SUPPLIED BY OTHERS
  7. EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST

Rim: 749.93' Rim to Invert: 14.92' Slack: 1.04" Sump: 3" Step Position: 90°

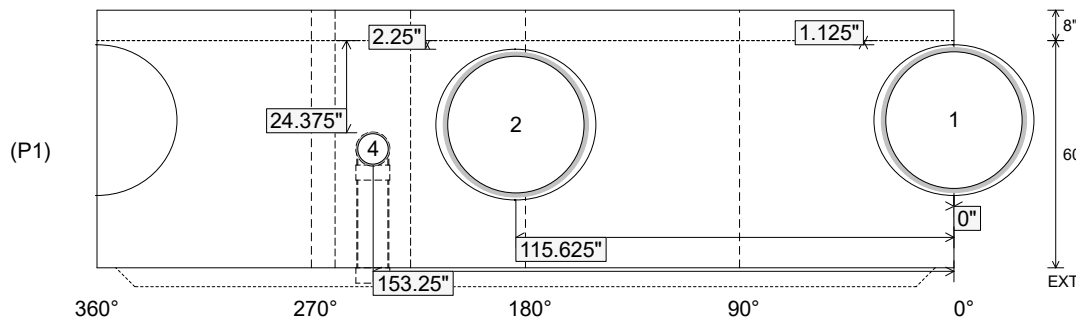
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	735.01'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	735.11'	184°	138.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	0"
Invert 3										
Invert 4	736.81'	244°	183.125"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.52"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 7"  
 Floor Height: 8"

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

Weight (Net): 11072 lb  
 Volume (Net): 2.83cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting	Plant: 100 3/20/2026 1:21:48 PM	Tech: J. Horsley - A PC: Celina Goff	
--	------------------------------------	---	--

**Structure ID: 2301561**

**P1 MH072BAVF**

**MH BASE (10"F) Custom Ht T/n**

P5) 24" - CASTING HEIGHT - 7"	0 lb
P4) 48" - CON CONE w/24" HOLE F/G - 36"	2252 lb
P3) 48" - MH RISER T/G - 60"	4192 lb
P2) 72" - MH Transition Slab 48" Hole T/G - 15"	3864 lb
P1) 72" - MH BASE (10"F) Custom Ht T/n - 64"	12664 lb
1) 72" - MH INVERT CHANNEL - FULL HEIGHT	5422 lb
1) 72" - Conseal CS-102 1.00" (Double)	0 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) A-Lok - 1235	2 lb
14) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>28396 lb</b>

**Structure Notes:**

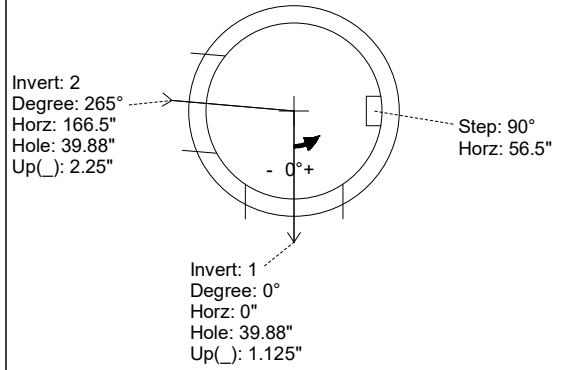
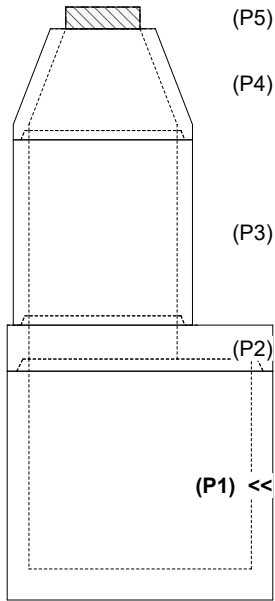
- PER ASTM C-478 SPECIFICATIONS
- CONCRETE: 4,000 PSI AT 28 DAYS
- REINFORCEMENT:
  - WALLS: PER ASTM A615 - DOUBLE MAT
  - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- INVERT CHANNEL REQUIRED
- STEPS AT 90 DEGREES
- 7" CASTING SUPPLIED BY OTHERS

Rim: 757.61' Rim to Invert: 15.17' Slack: 3.04" Sump: 3" Step Position: 90°

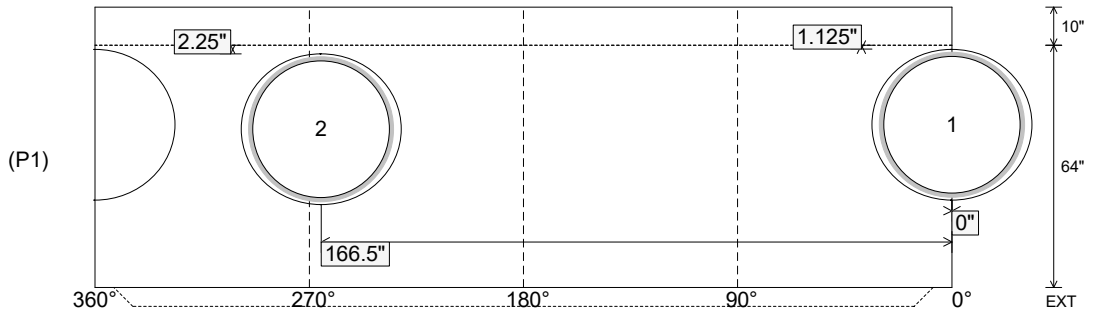
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	742.44'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	742.54'	265°	198.875"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 7" Floor Height: 10"	Height (Int): 64" Height (Ext): 74"	Weight (Net): 12664 lb Volume (Net): 3.24cu.yd
----------------------------------	---------------------------------	---	--	---

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting	Plant: 100 3/20/2026 1:21:48 PM	Tech: J. Horsley - A PC: Celina Goff	
--	------------------------------------	---	--

**Structure ID: 2301561**

**P1 MH072BAVF**

**MH BASE (10" F) Custom Ht T/n**

P5) 24" - CASTING HEIGHT - 7"	0 lb
P4) 48" - CON CONE w/24" HOLE F/G - 36"	2252 lb
P3) 48" - MH RISER T/G - 60"	4192 lb
P2) 72" - MH Transition Slab 48" Hole T/G - 15"	3864 lb
P1) 72" - MH BASE (10" F) Custom Ht T/n - 64"	12664 lb
1) 72" - MH INVERT CHANNEL - FULL HEIGHT	5422 lb
1) 72" - Conseal CS-102 1.00" (Double)	0 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) A-Lok - 1235	2 lb
14) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>28396 lb</b>

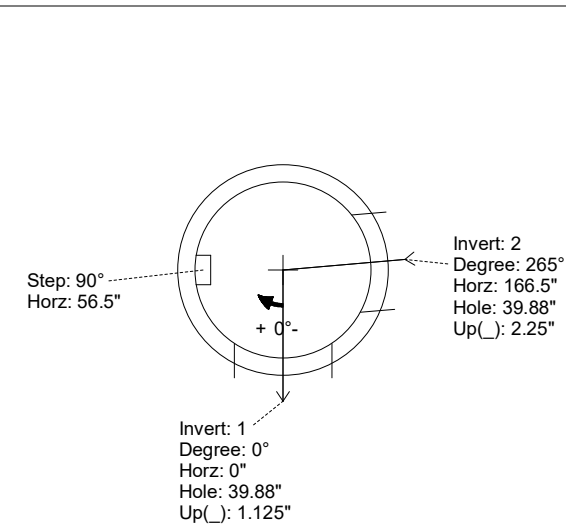
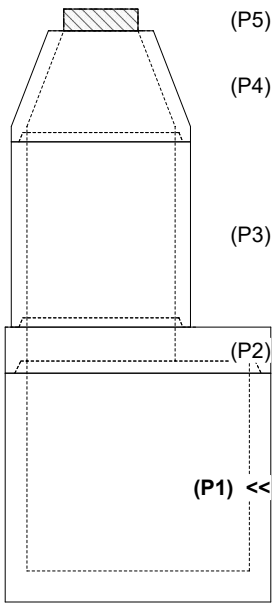
**Structure Notes:**

- PER ASTM C-478 SPECIFICATIONS
- CONCRETE: 4,000 PSI AT 28 DAYS
- REINFORCEMENT:
  - WALLS: PER ASTM A615 - DOUBLE MAT
  - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- INVERT CHANNEL REQUIRED
- STEPS AT 90 DEGREES
- 7" CASTING SUPPLIED BY OTHERS

Rim: 757.61' Rim to Invert: 15.17' Slack: 3.04' Sump: 3' Step Position: 90°

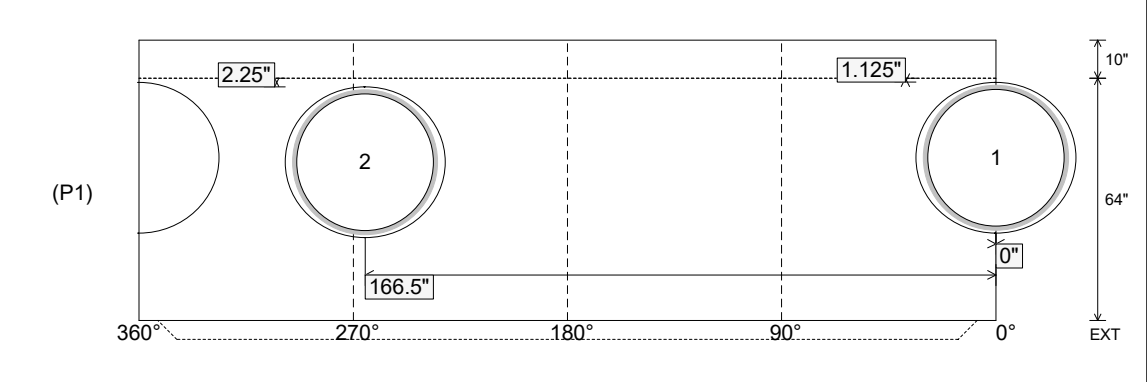
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	742.44'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	742.54'	265°	198.875"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)      UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL  
DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 7" Floor Height: 10"	Height (Int): 64" Height (Ext): 74"	Weight (Net): 12664 lb Volume (Net): 3.24cu.yd
----------------------------------	---------------------------------	---	--	---

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

Plant: 100

3/27/2026 11:39:34 AM

Tech: J. Horsley - A

PC: Celina Goff



**Structure ID: 2301537**

**P2 MH072TS15-48ECC**

**MH Transition Slab 48" Hole T/G**

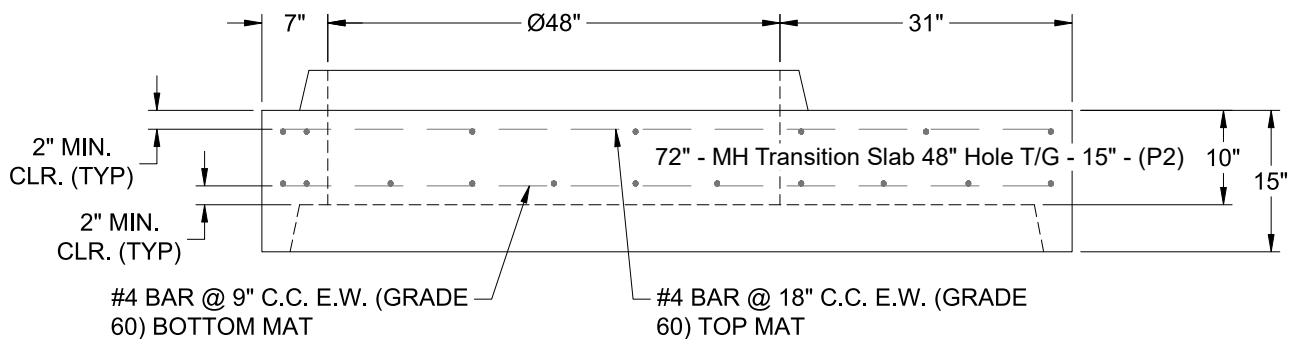
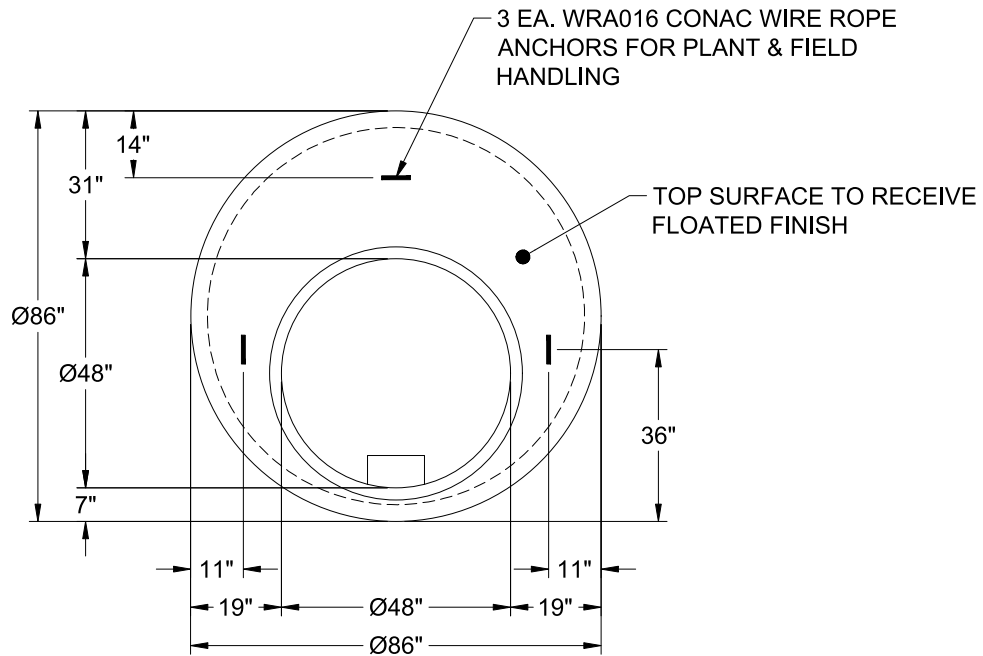
- P6) 24" - CASTING HEIGHT - 7"
- P5) 48" - CON CONE w/24" HOLE F/G - 24"
- P4) 48" - MH RISER T/G - 48"
- P3) 48" - MH RISER T/G - 60"
- P2) 72" - MH Transition Slab 48" Hole T/G - 15"
- P1) 72" - MH BASE (10"F) Custom Ht T/n - 76"
- 1) 72" - MH INVERT CHANNEL - FULL HEIGHT
- 1) 72" - Conseal CS-102 1.00" (Double)
- 3) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 1) PSX - 12-08 NYLO
- 18) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 2252 lb
- 3353 lb
- 4192 lb
- 3864 lb
- 14346 lb
- 5422 lb
- 0 lb
- 0 lb
- 2 lb
- 8 lb
- 0 lb
- 
- 33439 lb

Structure Total:

Structure Notes:

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



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 7"	Height (Ext): 15"	Weight (Net): 3864 lb Volume (Net): 0.99cu.yd
----------------------------------	------------------------------------	--------------------	-------------------	--

Job Name: 25-3310 - Mammoth Cave NP-MACA 12  
 Job Location: Mammoth Cave , KY  
 Contractor: Phillips Brothers

Plant: 100  
 5/5/2026 5:08:05 PM

Tech: J. Horsley - F  
 PC: C. Goff



**Structure ID: IN9B**

**P1 BX3648-08BAVF**

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

- P2) 36" x 48" - P.I.P. - BY OTHERS - 8"
- P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 52"
- 1) 36" x 48" - Conseal CS-102 1.00"
- 1) Hole - 32
- 1) Hole - 26

0 lb  
 8319 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 8319 lb

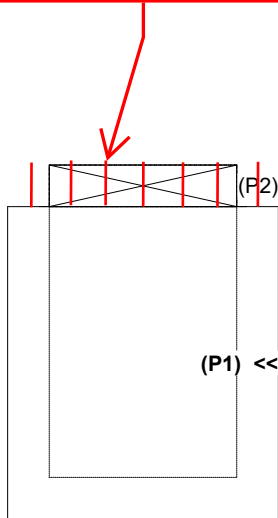
- Structure Notes:**
1. PER ASTM C913 SPECIFICATIONS.
  2. CONCRETE = 4,000 PSI AT 28 DAYS.
  3. NO INVERT CHANNEL.
  4. CASTING SUPPLIED BY OTHERS - KY-410
  5. #5 BAR DOWELS @ 12" O.C. STUBBED 20" OUT THE TOP OF WALLS.

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

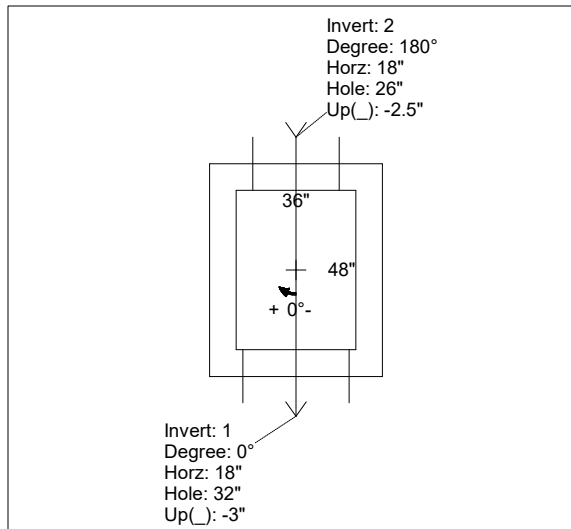
Rim: 740' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	735'	0°	26"	24" RCP B WALL	30"	Hole 32	32"	32"	-3"	0"
Invert 2	735'	180°	26"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

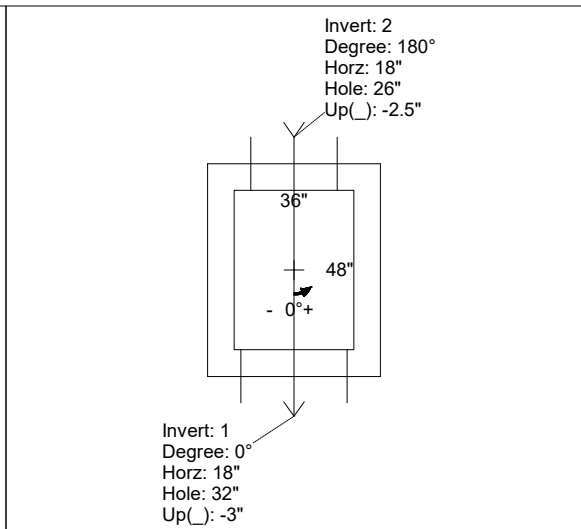
#5 DOWELS @ 12" O.C. STUBBED 20" OUT THE TOP OF THE WALLS



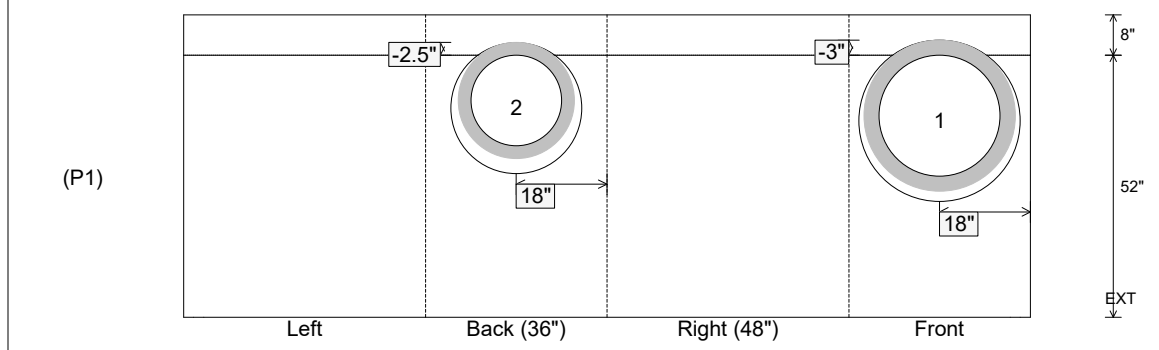
RIGHT-SIDE UP VIEW (int. dimensions)



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): 8319 lb  
 Volume (Net): 2.12cu.yd



Job Name: 25-3310 - Mammoth Cave NP-MACA 12  
 Job Location: Mammoth Cave , KY  
 Contractor: Phillips Brothers

Plant: 100

Tech: J. Horsley - F

5/5/2026 5:08:03 PM

PC: C. Goff



**Structure ID: CB26B**

**P1 BX3048-08W08F-BAVF**

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

- P2) 30" x 48" - CASTING HEIGHT - 8"
- P1) 30" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 37"
- 1) SECONDARY POUR - WALLS
- 1) 30" x 48" - Conseal CS-102 1.00"
- 1) Hole - 24
- 2) Hole - 26

0 lb  
 5482 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb

Structure Total: 5482 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS - NEENAH R-3287-15

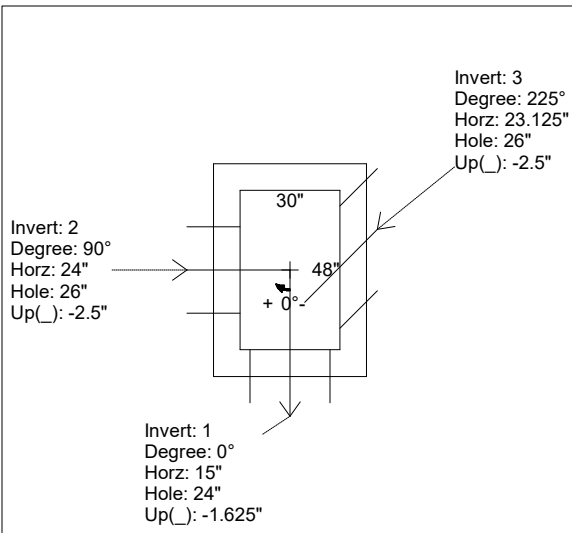
REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 6" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 6" C.C.E.W.

Rim: 737.71' Rim to Invert: 3.79' Slack: 0.48" Sump: 0" Step Position:

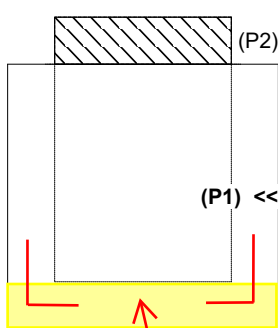
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	733.92'	0°	23"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2	733.92'	90°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 3	733.92'	225°	23.125"	18" RCP B WALL	23"	Hole 26	26"	36.77"	-2.5"	10"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

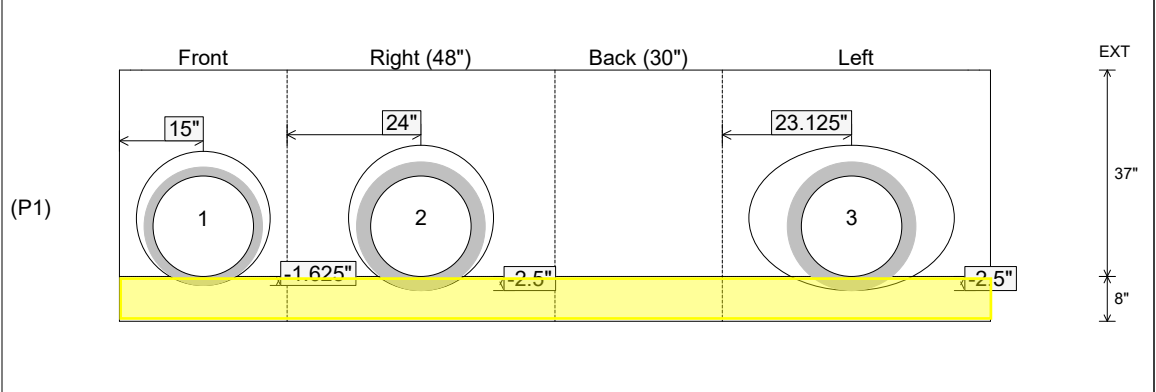


**1ST POUR (FLOOR) = 1,976 LBS  
 2ND POUR (WALLS) = 3,506 LBS**



**1ST POUR (FLOOR)  
 STUB #5 L BARS OUT  
 TOP FLOOR, SPA AT  
 12" C/C FOR  
 CONNECTING WALLS**

INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

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

Weight (Net): 5482 lb  
 Volume (Net): 1.4cu.yd

Job Name: 25-3310 - Mammoth Cave NP-MACA 12  
 Job Location: Mammoth Cave , KY  
 Contractor: Phillips Brothers

Plant: 100

Tech: J. Horsley - F

5/5/2026 5:08:03 PM

PC: C. Goff



**Structure ID: CB26B**

**P1 BX3048-08W08F-BAVF**

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

- P2) 30" x 48" - CASTING HEIGHT - 8"
- P1) 30" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 37"
- 1) SECONDARY POUR - WALLS
- 1) 30" x 48" - Conseal CS-102 1.00"
- 1) Hole - 24
- 2) Hole - 26

0 lb  
 5482 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS - NEENAH R-3287-15

Structure Total: 5482 lb

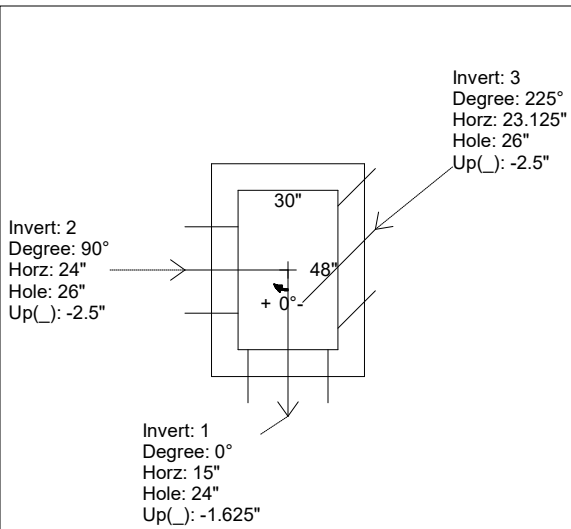
REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 6" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 6" C.C.E.W.

Rim: 737.71' Rim to Invert: 3.79' Slack: 0.48" Sump: 0" Step Position:

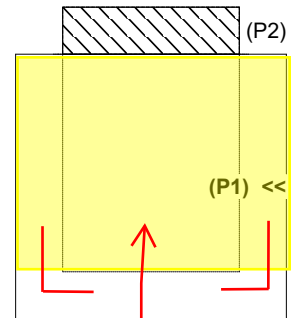
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	733.92'	0°	23"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2	733.92'	90°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 3	733.92'	225°	23.125"	18" RCP B WALL	23"	Hole 26	26"	36.77"	-2.5"	10"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

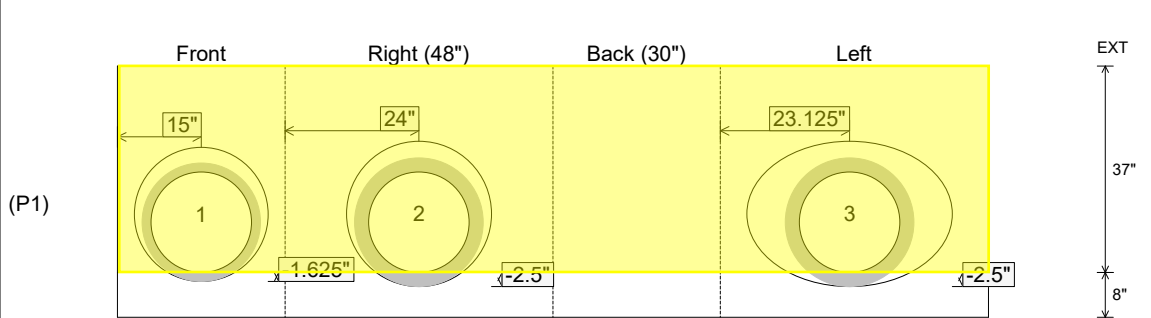


**1ST POUR (FLOOR) = 1,976 LBS  
 2ND POUR (WALLS) = 3,506 LBS**



**2ND POUR (WALLS)**

INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

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

Weight (Net): 5482 lb  
 Volume (Net): 1.4cu.yd

**Structure ID: KST5 (JST1) ST-DBI**

**P1 BX2424-08BAVF**

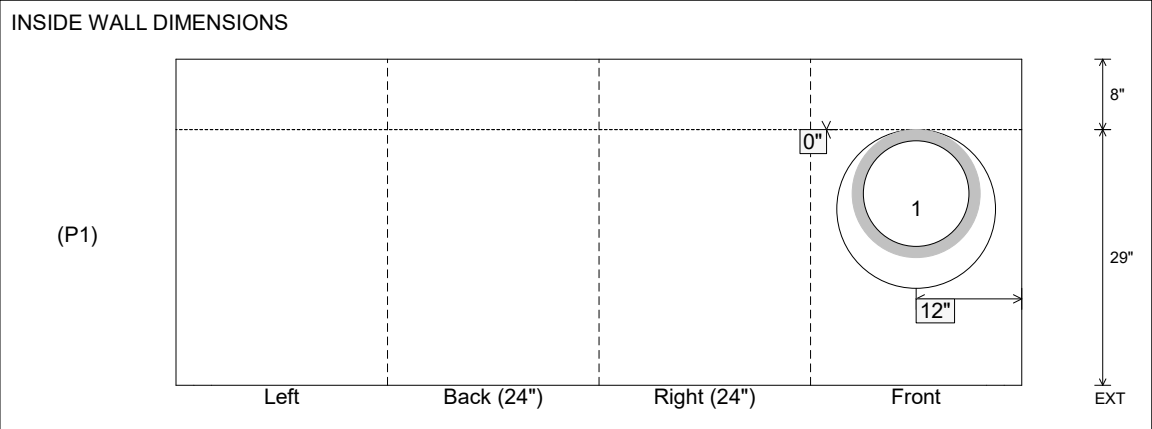
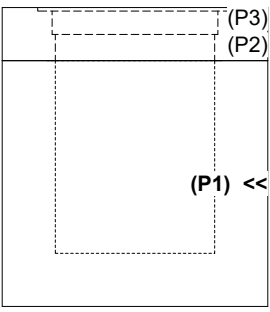
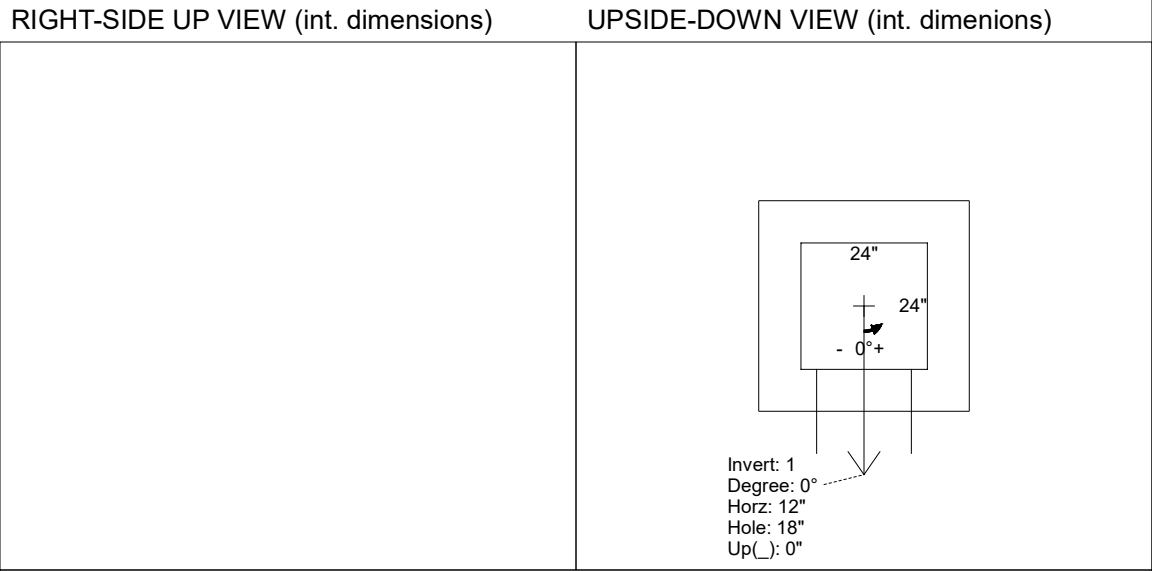
**BOX BASE 8inW, 8inF, Variable Ht F/n**

P3) 24" x 24" - CASTING (cast in) - 0" P2) 24" x 24" - BX FLAT LID 8inW w/HOE 280T CAST IN F/F - 8" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 29" 1) This Structure Includes a Cast-in Item - HOE 280T Frame (Supplied by iCast) 1) CASTING - HOE 280T F/G 2) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 18	0 lb 885 lb 3395 lb 0 lb 182 lb 0 lb 0 lb ----- 4462 lb	<b>Structure Notes:</b> 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. HOE 280T FRAME & GRATE SUPPLIED BY ICAS - FRAME TO BE CAST INTO FLAT LID FLANGE SIDE UP
--	---	--

Structure Total: 4462 lb

Rim: 541.5'    Rim to Invert: 3'    Slack: 0.25"    Sump: 1.25"    Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	538.5'	0°	20"	12" HDPE	14.5"	Hole 18	18"	18"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 29" Height (Ext): 37"	Weight (Net): 3395 lb Volume (Net): 0.87cu.yd
----------------------------------	-------------------------------	--	--	--

**Structure ID: KST3 JBB**

**P1 BX2424-08BAVF**

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

- |   |   |
|---|---|
| P3) 23.5" - CASTING (cast in) - 0"<br>P2) 24" x 24" - BX FLAT LID 8inW SPEC. (KY-206 CAST IN) F/F - 8"<br>P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 51"<br>1) This Structure Includes a Cast-in Item - HOE KY-206 Frame (Supplied by iCast)<br>1) CASTING - HOE KY-206 F/C (KY TY1)<br>1) 24" x 24" - Conseal CS-102 1.00"<br>1) Hole - 24<br>1) Hole - 18<br>1) Hole - 20 | 0 lb<br>925 lb<br>4847 lb<br>0 lb<br>206 lb<br>0 lb<br>0 lb<br>0 lb<br>0 lb<br>0 lb<br>Structure Total: 5978 lb |
|---|---|

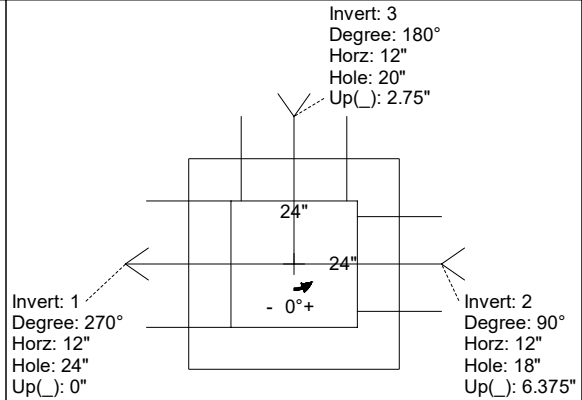
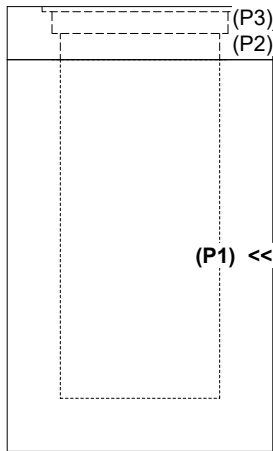
- Structure Notes:
1. PER KYTC JB TY B / ASTM C-913 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
  4. NO STORM INVERT
  5. NO STEPS
  6. HOE KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO FLAT LID FLANGE SIDE UP

Rim: 543.5'    Rim to Invert: 4.8'    Slack: 0.2"    Sump: 1.6"    Step Position:

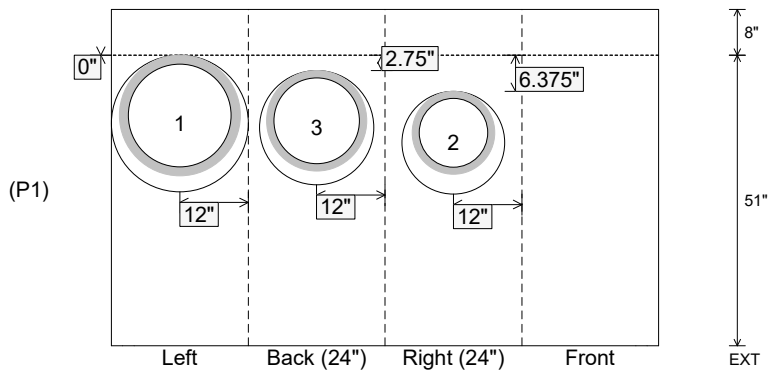
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	538.7'	270°	20"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"
Invert 2	539.2'	90°	20"	12" HDPE	14.5"	Hole 18	18"	18"	6.375"	0"
Invert 3	538.9'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	2.75"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 51" Height (Ext): 59"	Weight (Net): 4847 lb Volume (Net): 1.24cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 26-1077 - Westside Markets of Greensboro Village  
 Job Location: Gallatin, TN  
 Contractor: Cleary Construction, Inc.

Plant: 100  
 5/5/2026 12:11:10 PM

Tech: J. Coppage - F  
 PC: C. Goff



**Structure ID: B4**

**P2 BX2436-08R-VH**

**BOX RISER 8inW, Variable Ht F/G**

- P3) 24" x 36" - CASTING HEIGHT - 5"
- P2) 24" x 36" - BOX RISER 8inW, Variable Ht F/G - 41"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 34"
- 1) CASTING - EJ 6499 Beehive Grate
- 1) 24" x 36" - STORM INVERT CHANNEL (FLAT) - 4" THK
- 2) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 30
- 1) Hole - 6

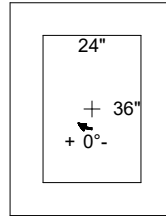
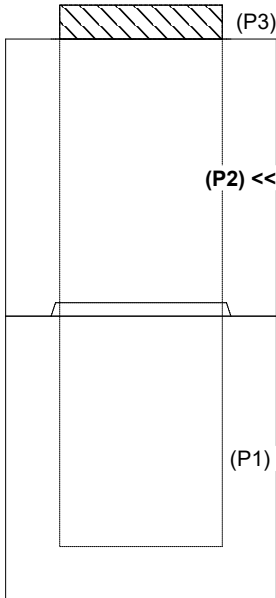
0 lb  
 4184 lb  
 3898 lb  
 250 lb  
 450 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 8781 lb

Structure Notes:  
 1. PER ASTM C913 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. NO STEPS.  
 4. CASTING SUPPLIED BY I-CAST (EJ 6499).  
  
 REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

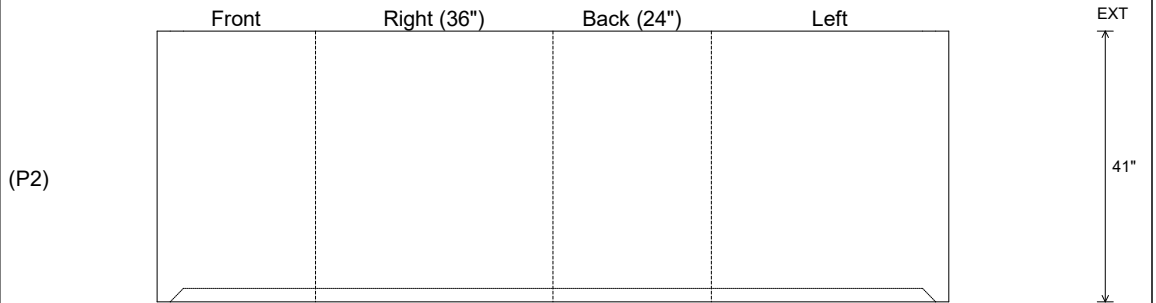
Rim: 498'    Rim to Invert: 6.71'    Slack: 0.52"    Sump: 0"    Step Position:

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

**RIGHT-SIDE UP VIEW (int. dimensions)**



**INSIDE WALL DIMENSIONS**



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 41" Height (Ext): 41"	Weight (Net): 4184 lb Volume (Net): 1.07cu.yd
----------------------------------	----------------------------------	--	--	--

Job Name: 24-4053B - East Heights Elementary (Storm)  
 Job Location: Henderson, KY 42420  
 Contractor: Tim Klenck Demolition LLC

Plant: Beaver Dam, KY  
 5/7/2026 7:30:22 AM

Tech: K. Cardwell  
 PC: J. Jarvis



**Structure ID: R19**

**P1 BX3636-08BAVF**

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

- P2) 36" x 36" - CASTING HEIGHT - 3"
- P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25"
- 1) CASTING - HOE 595 F/G
- 1) 36" x 36" - Conseal CS-102 1.00"
- 1) Hole - 18
- 3) Hole - 12

0 lb  
 4357 lb  
 376 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 4733 lb

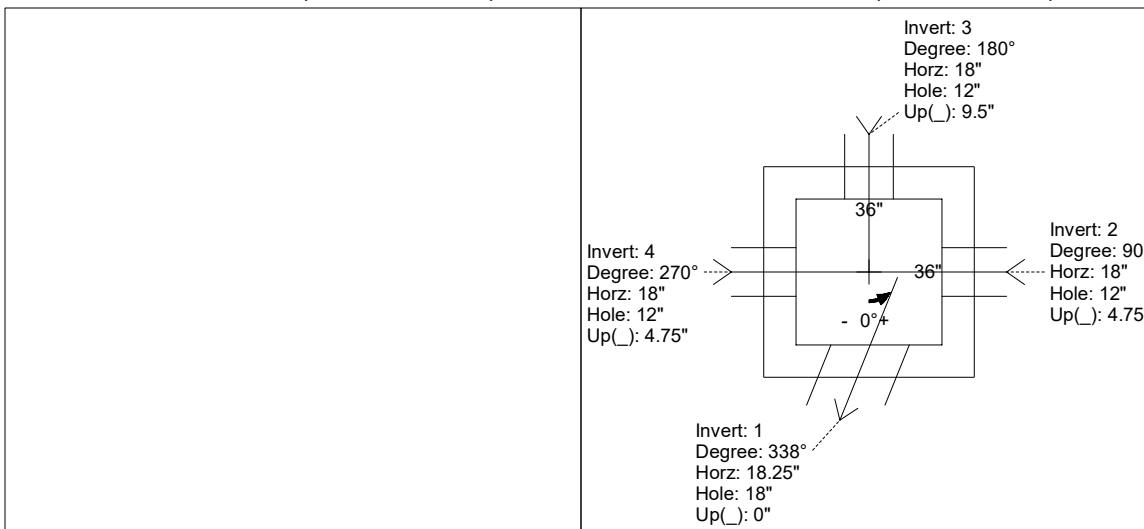
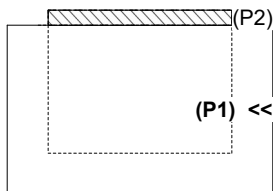
- Structure Notes:
1. PER ASTM C-913 SPECS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
  4. NO STORM INVERT
  5. NO STEPS
  6. HOE 595 FRAME & GRATES SUPPLIED BY ICAST

Rim: 404.94' Rim to Invert: 2.31' Slack: 0.97" Sump: 1.25" Step Position:

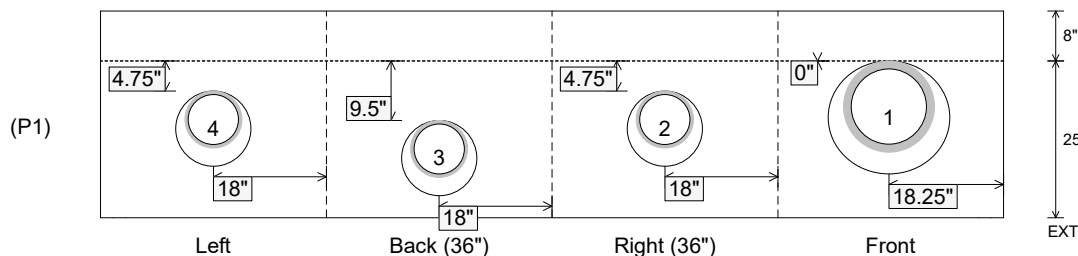
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	402.63'	338°	23"	12" ADS N-12	14.5"	Hole 18	18"	19.414"	0"	7"
Invert 2	402.97'	90°	26"	8" ADS N-12	9.1"	Hole 12	12"	12"	4.75"	0"
Invert 3	403.36'	180°	26"	8" ADS N-12	9.1"	Hole 12	12"	12"	9.5"	0"
Invert 4	402.97'	270°	26"	8" ADS N-12	9.1"	Hole 12	12"	12"	4.75"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

Height (Int): 25"  
 Height (Ext): 33"

Weight (Net): 4357 lb  
 Volume (Net): 1.11cu.yd

Job Name: 26-1228 - L&N Federal Credit Union  
 Job Location: Louisville, KY 40243  
 Contractor: H & W Landworks

Plant: 100

Tech: Jared - A

5/6/2026 12:05:33 PM

PC: T. Lewis



**Structure ID: S-3-4 YD**

**P2 BX1818-06RVF**

**BOX RISER 6inW, Variable Ht F/G**

- P3) 18" x 18" - CASTING HEIGHT - 4"
- P2) 18" x 18" - BOX RISER 6inW, Variable Ht F/G - 15"
- P1) 18" x 18" - BOX BASE 6inW, 6inF, Variable Ht T/n - 24"
- 1) CASTING - HOE 165A F/G
- 2) 18" x 18" - Conseal CS-102 1.00"
- 2) Hole - 18

0 lb  
 725 lb  
 1421 lb  
 138 lb  
 0 lb  
 0 lb  
 \_\_\_\_\_  
 2284 lb

Structure Total: 2284 lb

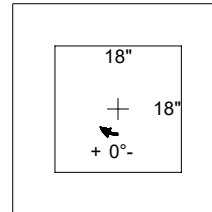
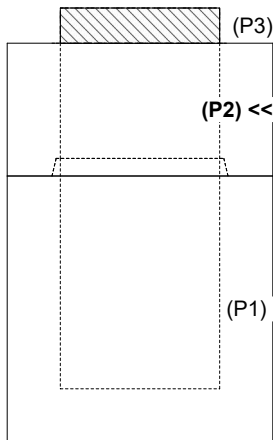
Structure Notes:

1. PER LOUISVILLE MSD / ASTM C-913 SPECS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. NO STEPS
5. HOE 165-A FRAME & GRATE SUPPLIED BY ICAST

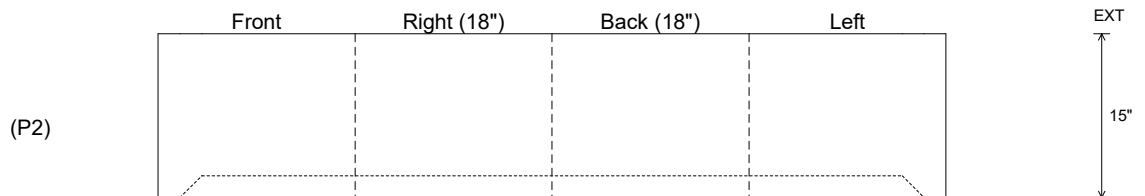
Rim: 747.11' Rim to Invert: 3.71' Slack: 1.52" Sump: 0" Step Position:

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 6"  
 Floor Height: 0"

Height (Int): 15"  
 Height (Ext): 15"

Weight (Net): 725 lb  
 Volume (Net): 0.18cu.yd

Job Name: 26-1232 - Mustang Village Apartments Ph.1  
 Job Location: Paducah, KY  
 Contractor: Wood Brothers

Plant: 100  
 4/21/2026 8:03:29 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: S42-42 ST-DBI**

**P1 BX2424-08BAVF**

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

- P2) 24" x 24" - CASTING HEIGHT - 0"
- P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 27"
- 1) CASTING - HOE HOE-315 ANGLE F/G
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 14

- Structure Notes:**
1. PER ASTM C913 SPECIFICATIONS.
  2. CONCRETE = 4,000 PSI AT 28 DAYS.
  3. NO STEPS AND NO INVERT CHANNEL.
  4. CASTING BY ICAST (HOE-315 ANGLE F/G)

Structure Total: 3542 lb

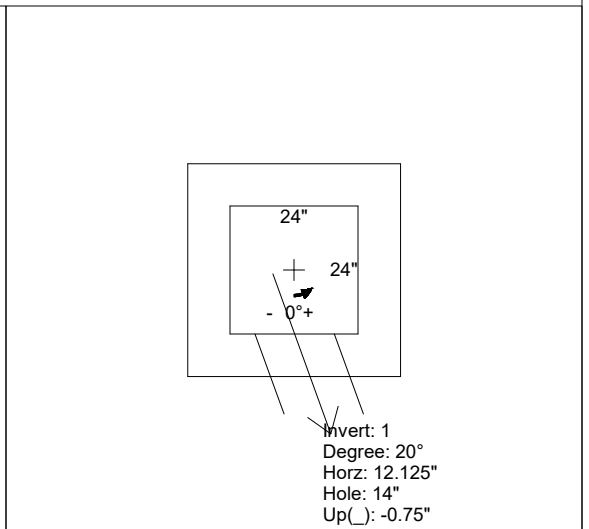
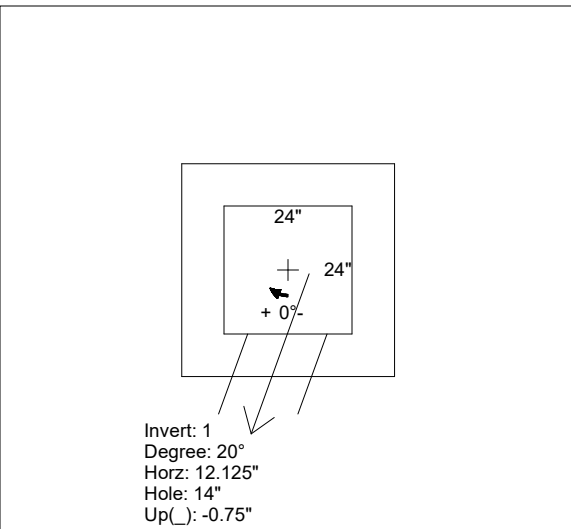
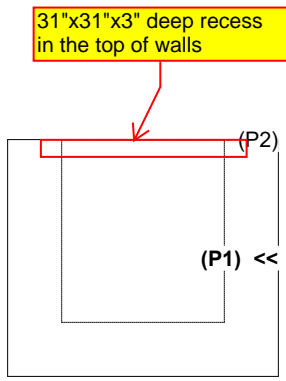
REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 378.9' Rim to Invert: 2.25' Slack: 0" Sump: 0" Step Position:

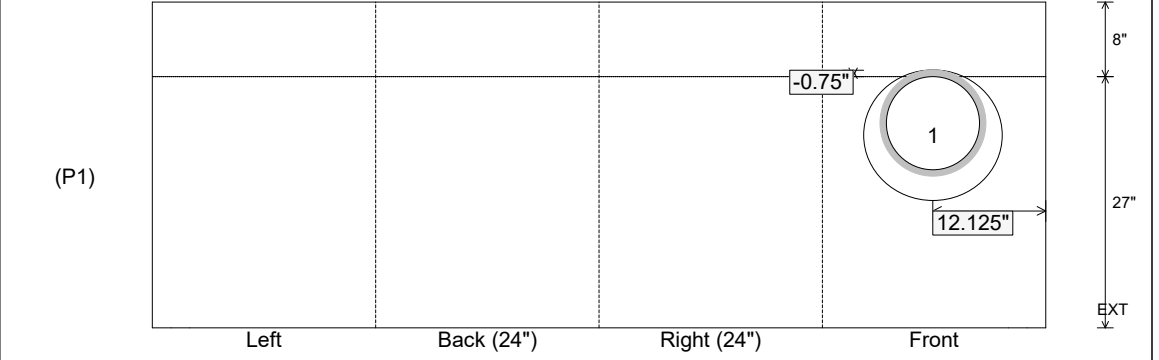
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	376.65'	20°	23"	10" HDPE	11.4"	Hole 14	14"	14.898"	-0.75"	-4"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

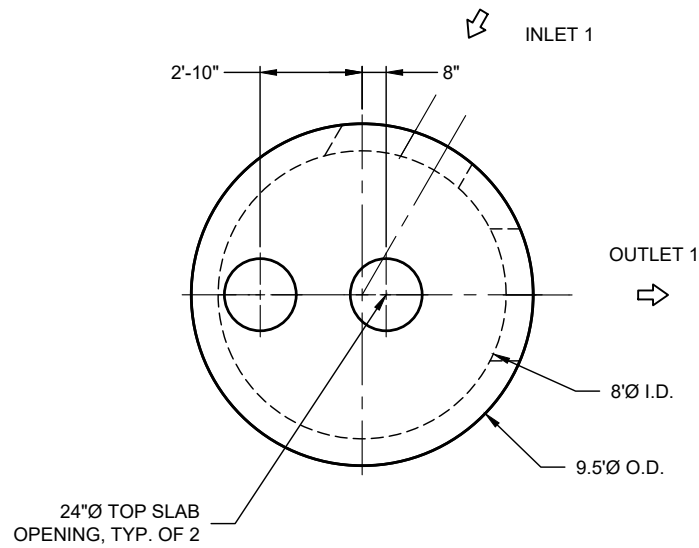


INSIDE WALL DIMENSIONS

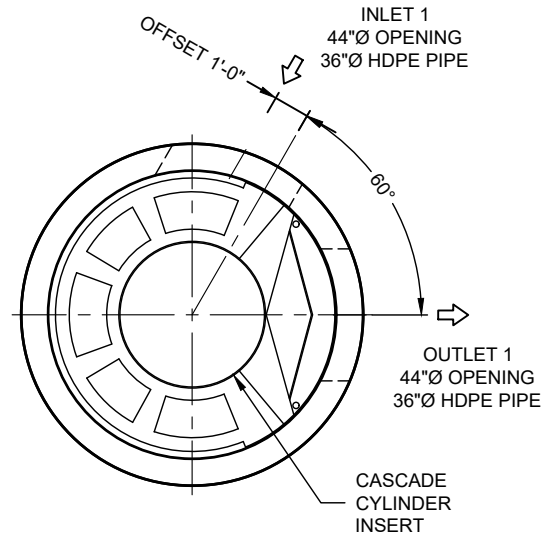


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 27" Height (Ext): 35"	Weight (Net): 3284 lb Volume (Net): 0.84cu.yd
----------------------------------	-------------------------------	--	--	--

# 26-2037 830068 Marketplace



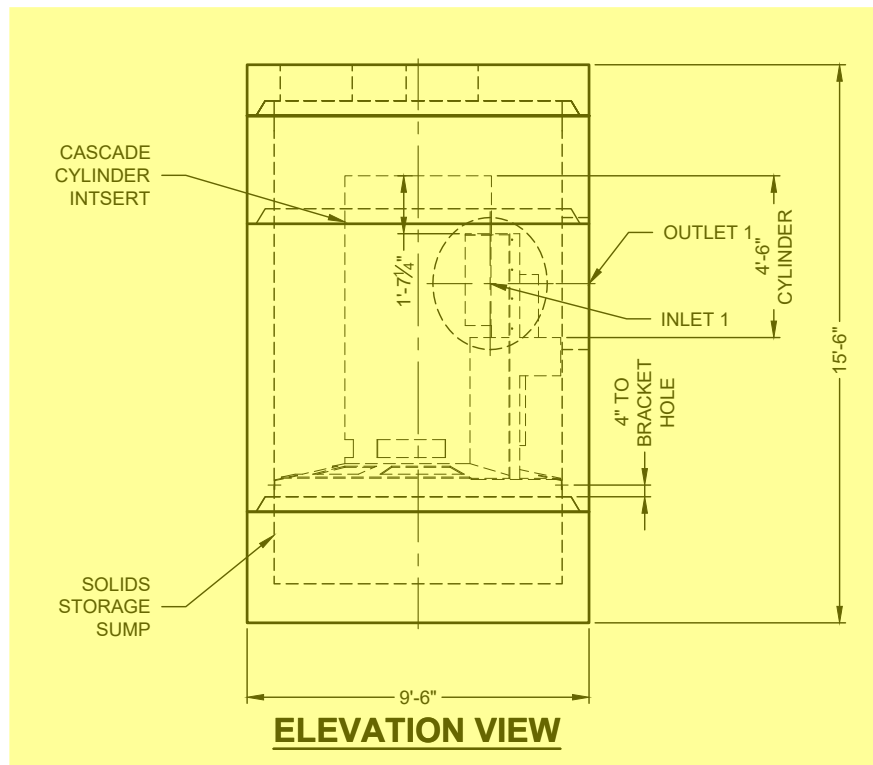
**PLAN VIEW**  
INTERNALS NOT SHOWN



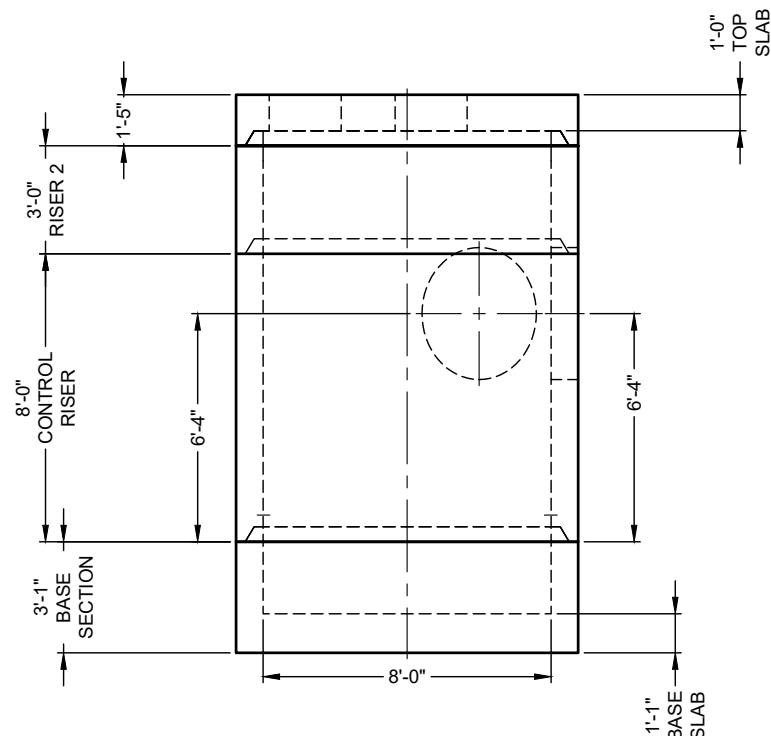
**PLAN VIEW FOR PIPE ORIENTATION**  
TOP SLAB NOT SHOWN

**25-CS-8**  
ICAST to fully pre-assemble internal materials prior to shipment

SEE INSTALLATION NOTE A



**ELEVATION VIEW**



**PRECAST COMPONENTS**  
INTERNALS NOT SHOWN

ICAST  
5888 / 757440  
LAYOUT 1A  
30.16TS

CONTECH  
**FABRICATION**  
DRAWING

## MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-8 CYLINDER INSERT, STD.	325-003952	CONTECH	PRECASTER
6	CS-8 ALUMINUM INSTALLATION BRACKETS	325-003971	CONTECH	PRECASTER
1	CS-8 HARDWARE KIT	325-003970	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
2	24"Ø X 4" FRAME AND COVER, EJ #41600389, OR EQUIV.	325-000350	CONTECH	CONTRACTOR

## GENERAL NOTES

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

## INSTALLATION NOTES

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

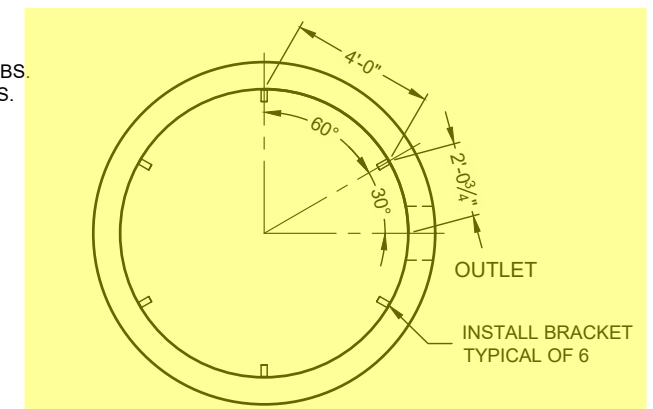
## SITE INFORMATION

RIM ELEV. = 840+/-  
TOP OF STRUCTURE = 838.88  
INLET PIPE 1 INVERT ELEV. = 831.30  
INLET PIPE 1 DIAMETER AND MATERIAL = 36"Ø HDPE  
OUTLET PIPE INVERT ELEV. = 831.30  
OUTLET PIPE DIAMETER AND MATERIAL = 36"Ø HDPE  
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 823.38

## STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 24500 LBS.  
STRUCTURE IS DELIVERED IN 4 PIECES

TOP SLAB = 11000 LBS.  
RISER 2 = 8500 LBS.  
CONTROL RISER = 24500 LBS.  
BASE SECTION = 19000 LBS.



**SUPPORT BRACKET LAYOUT PLAN VIEW**

The design and information shown on this drawing is the property of CONTECH Construction Products, Inc. or one of its affiliated companies ("CONTECH"). Neither this drawing, nor any part thereof, may be used, reproduced, or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written consent of CONTECH. Failure to comply with these terms and conditions shall constitute a breach of contract and shall result in CONTECH expressly disclaiming any liability or responsibility for such use. If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these are to be resolved by the user. CONTECH expressly disclaims any liability for designs based on missing, incomplete or inaccurate information supplied by others.

MARK	DATE	REVISION DESCRIPTION	BY

CS-8 - 830068-25  
MARKETPLACE - FRANKFORT PIKE  
GEORGETOWN, KY  
SITE DESIGNATION: #31

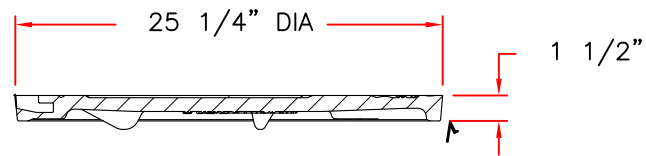
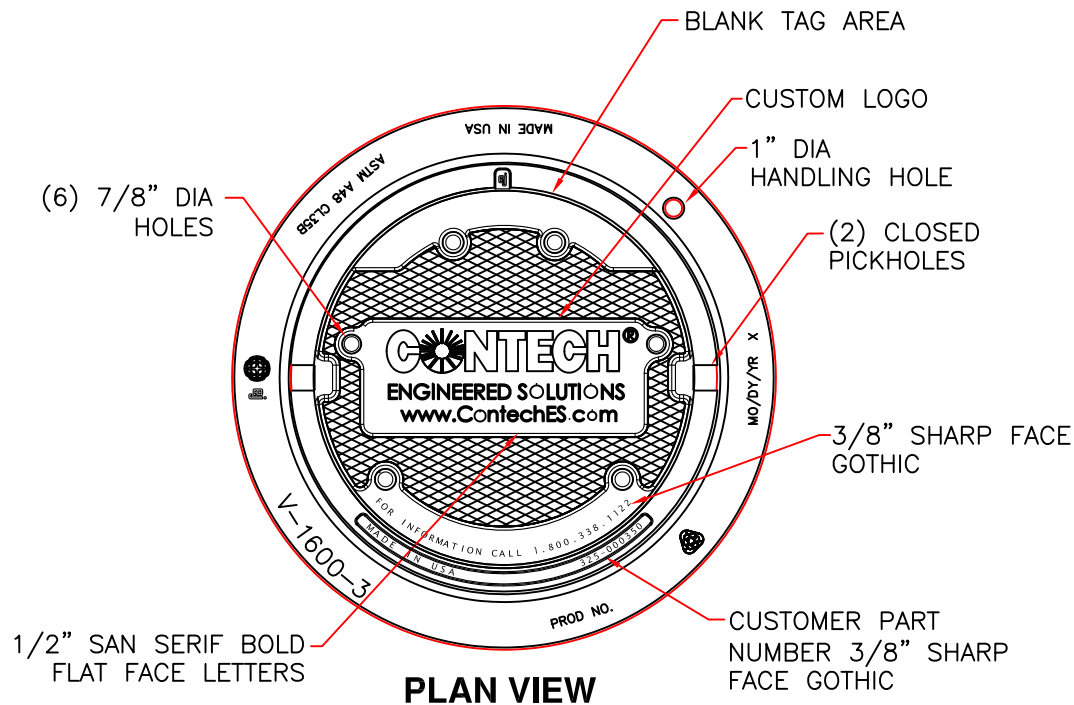
**CONTECH**  
ENGINEERED SOLUTIONS LLC  
A CONTECH COMPANY  
810 Centre Pointe Dr., Suite 403, West Chester, OH 45380  
800.338.1122 513.345.7000 513.945.7833 FAX  
**CASCADE separator**  
FOR PATENT INFORMATION, GO TO www.contech.com/PP

DATE:	4/6/2026		
DESIGNED:	MDB	DRAWN:	MDB
CHECKED:	MSB	APPROVED:	MDB
PROJECT No.:	830068	SEQUENCE No.:	25
SHEET:	1	OF	1

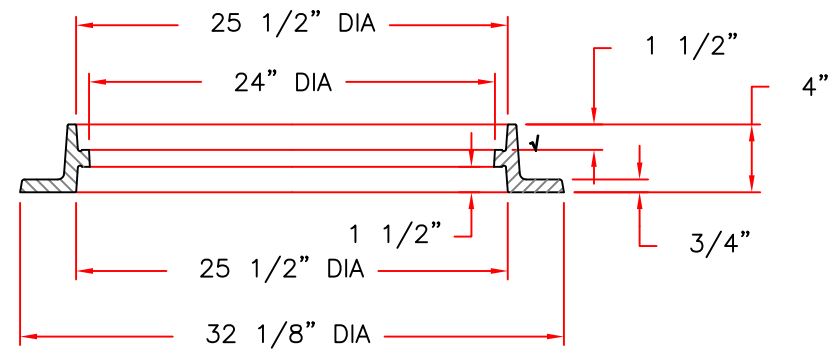
C:\USERS\MICHAEL.BEAVER\ONEDRIVE - THE QUIKRETE COMPANIES\DYNAMICS\865 - CONTECH - PROJECTS\830068\PRODUCTS\25-CASCADE 8\DRAWINGS\830068-25-CS-8-CONFAB.DWG 4/6/2026 1:37 PM

# 26-2037 830068 Marketplace

## V1600-3 V1610-3 Assembly



**COVER SECTION**



**RING SECTION**

**Product Number**  
41600389

**Design Features**

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

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

**Certification**

- ASTM A48
- Country of Origin: USA

**Major Components**

41600310  
41600374

**Drawing Revision**

05/02/2008 Designer: DEW  
6/20/2017 Revised By: DAE

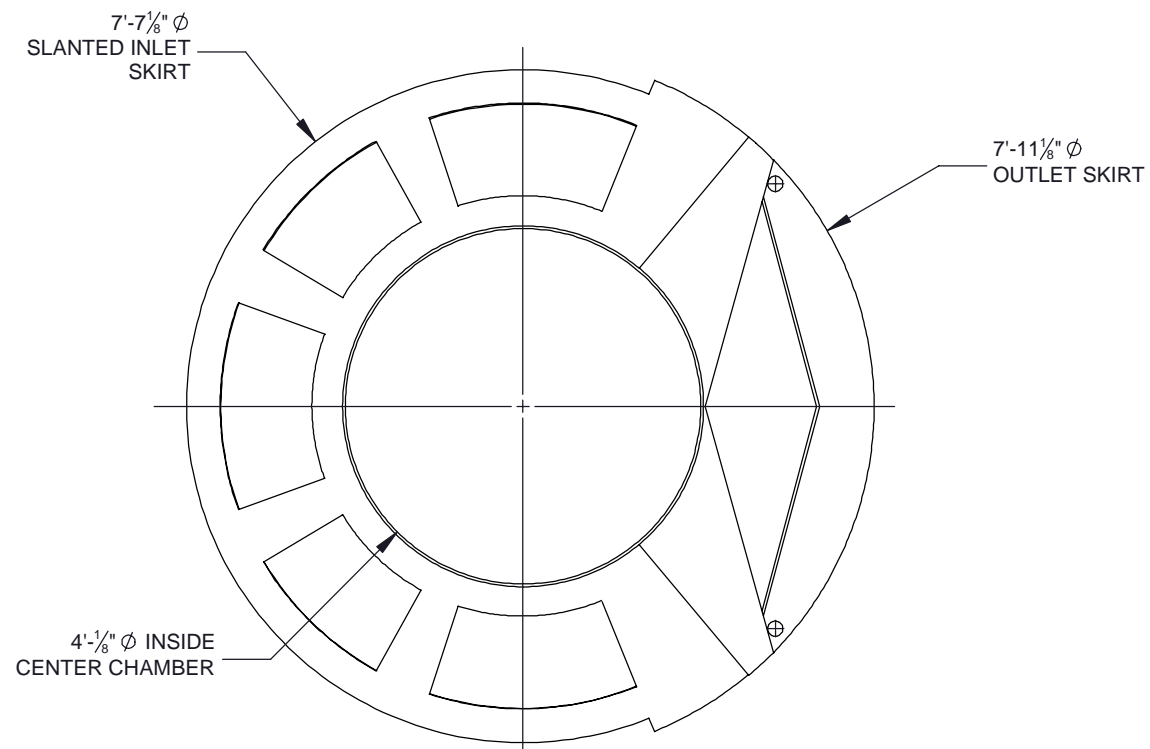
**Disclaimer**

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

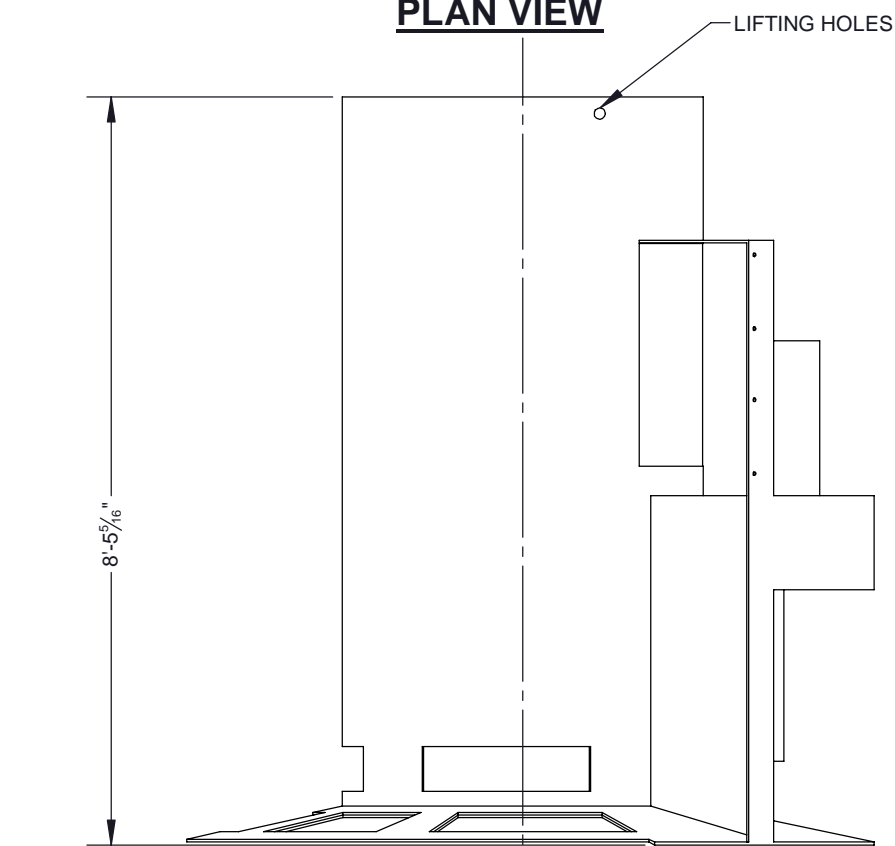
CONFIDENTIAL: This drawing is the property of EJ GROUP, Inc., and embodies confidential information, registered marks, patents, trade secret information, and/or know how that is the property of EJ GROUP, Inc. Copyright © 2012 EJ GROUP, Inc. All rights reserved.

**Contact**

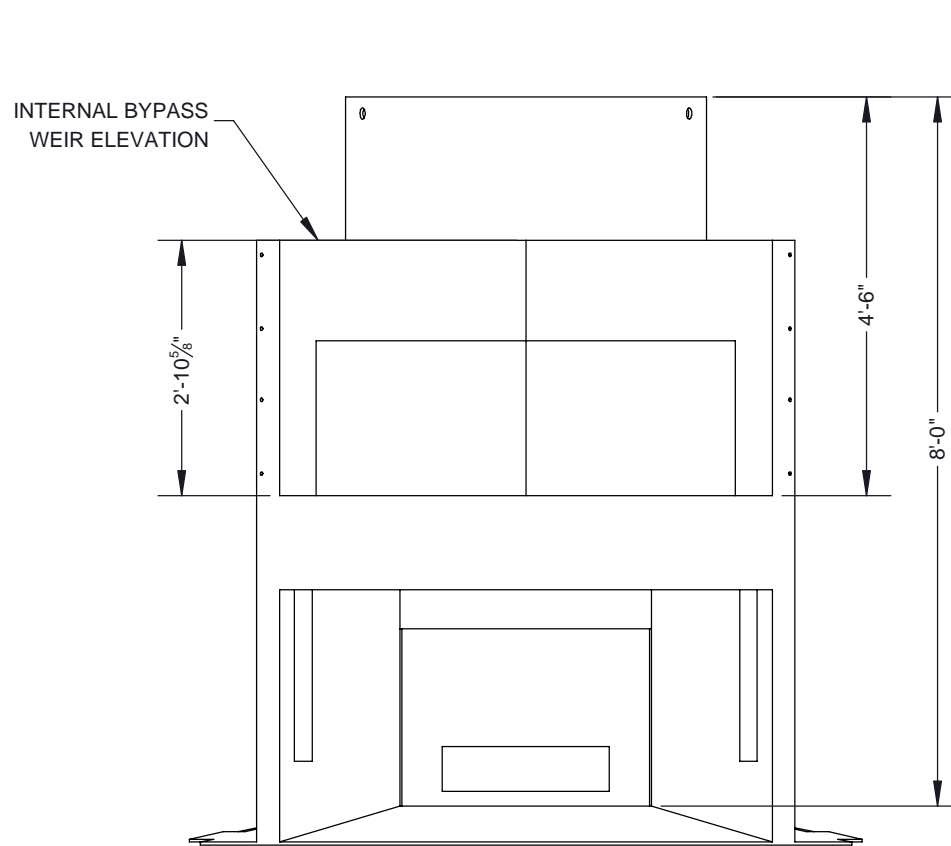
800 626 4653  
ejco.com



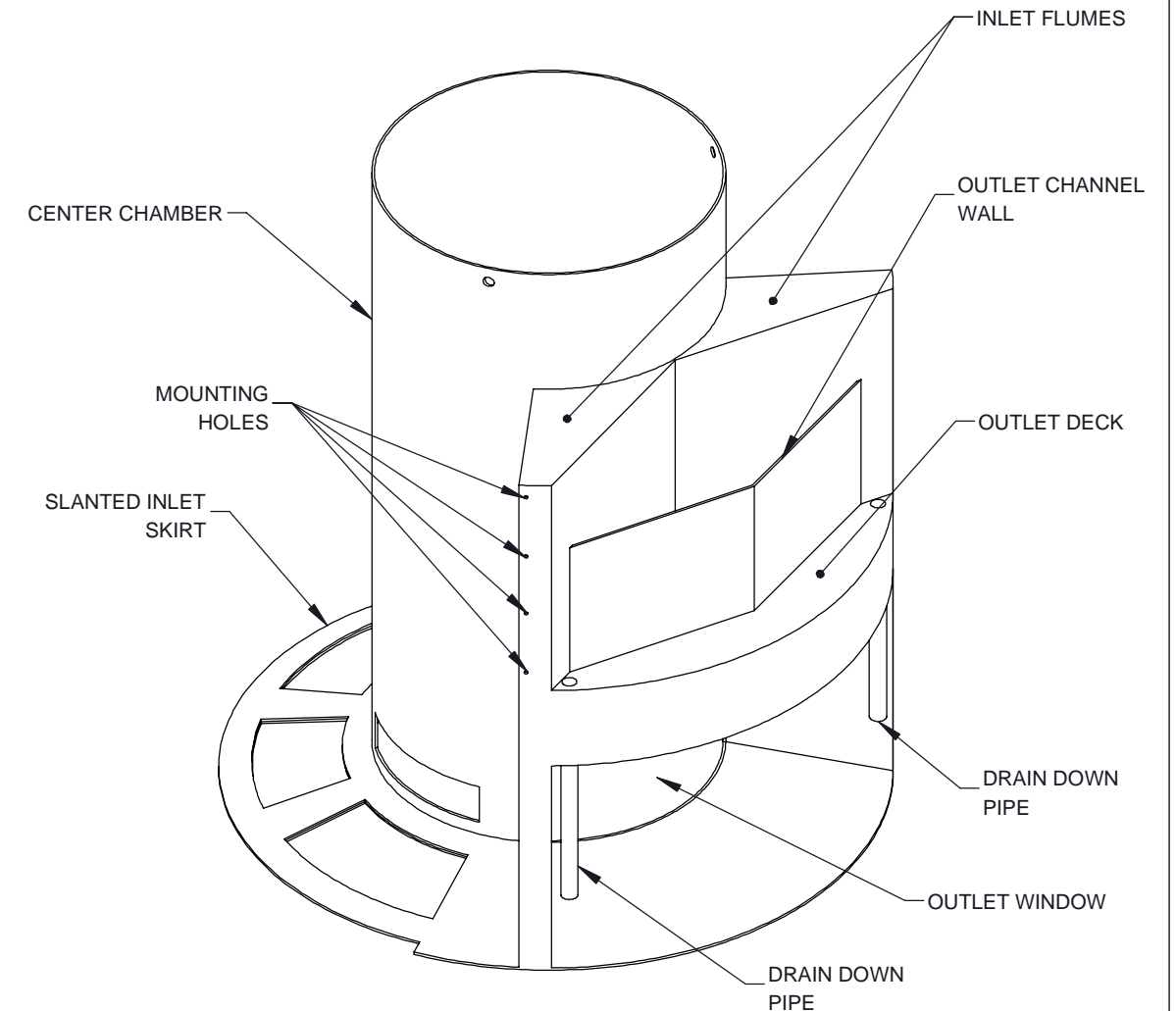
**PLAN VIEW**



**ELEVATION VIEW**



**ELEVATION VIEW: OUTLET SIDE**



**ISOMETRIC VIEW**

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

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

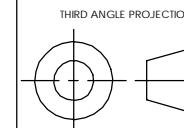
If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing,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

**CASCADE**  
separator™

**CONTECH**  
ENGINEERED SOLUTIONS LLC  
www.ContechES.com

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

REFERENCE DETAIL  
INTERNALS CS-8  
CASCADE SEPARATOR



UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

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

PART NUMBER: 325-003952	
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.15
SCALE: N/A	REV: C
SHEET 1 OF 1	

Job Name: 25-1137B - East Bank Regional Pump Station  
 Job Location: Nashville, TN  
 Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: J. Coppage

5/12/2026 10:28:01 AM

PC: J. Jarvis



**Structure ID: Bypass Vault**

**P3 CTS-X**

**BX FLAT LID 8inW w/ XYPEX AND 2 HATCHES**

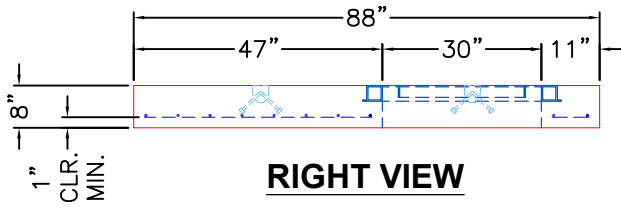
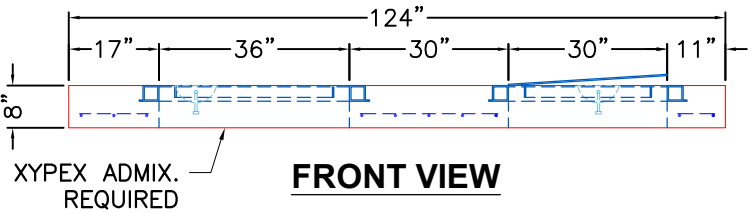
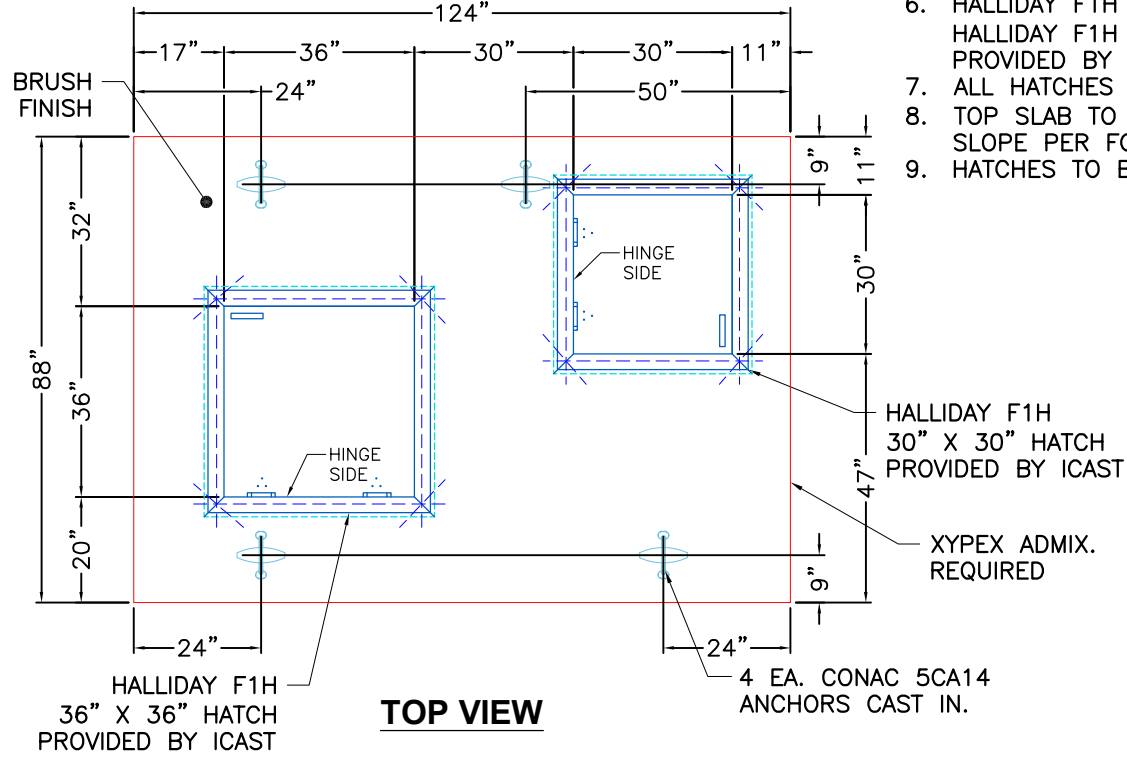
- P4) 42" x 42" - HATCH (CAST FLUSH) - 3"
- P3) 72" x 108" - BX FLAT LID 8inW w/ XYPEX AND 2 HATCHES - 8"
- P2) 72" x 108" - BOX RISER 8inW, Variable Ht w/Xypex FTB - 97"
- P1) 72" x 108" - P.I.P. BY OTHERS - BTM SLAB - 0"
- 2) DOGHOUSE - 26"x26"

100 lb  
 5536 lb  
 24342 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 29978 lb

- Structure Notes:
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
  2. CONCRETE: 4,500 PSI AT 28 DAYS.
  3. XYPEX ADMIXTURE REQUIRED.
  4. REINFORCING: PER ASTM A615 (GRADE 60).
  5. HALLIDAY F1H 36" X 36" HATCH AND HALLIDAY F1H 30" X 30" HATCH PROVIDED BY ICAST.
  6. ALL HATCHES TO HAVE FALL PROTECTION.
  7. TOP SLAB TO HAVE MINIMUM 1/4" CROWNED SLOPE PER FOOT AND A BRUSH FINISH.
  8. HATCHES TO BE CAST IN TOP SLAB.

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS.
3. XYPEX ADMIXTURE REQUIRED.
4. REINFORCING: USE REINFORCEMENT DESIGN PROVIDED BY MATT CHILDS ENGINEERING. PER ASTM A615 (GRADE 60).
5. WEIGHT: 5,851 LBS.
6. HALLIDAY F1H 36" X 36" HATCH AND HALLIDAY F1H 30" X 30" HATCH PROVIDED BY ICAST.
7. ALL HATCHES TO HAVE FALL PROTECTION.
8. TOP SLAB TO HAVE MINIMUM 1/4" CROWNED SLOPE PER FOOT AND A BRUSH FINISH.
9. HATCHES TO BE CAST IN TOP SLAB.



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 5536 lb Volume (Net): 1.41cu.yd
----------------------------------	--------------------------------	--------------------	------------------	--



**Structure ID: Bypass Vault**

**P3 CTS-X**

**BX FLAT LID 8inW w/ XYPEX AND 2 HATCHES**

**REINFORCING STEEL SCHEDULE**

MARK	NO.	LENGTH	TYPE	AREA	TOTAL LB
5A	15	7'-1"	STR.	7.3879	110,8185
5B	9	10'-1"	STR.	10.5169	94,6521
5C	16	19'-0" (2)	BENT	19.817	634,444
5D	34	7'-10"	STR.	8.1702	277,7857

**BENDING DIAGRAM**

**DESIGN NOTE:**  
 HS20 LOADING - ASTM C857  
 CONCRETE 28 DAY COMPRESSIVE STRENGTH - 4500 PSI  
 REINFORCEMENT STEEL - 60,000 PSI  
 REBAR MIN SPACING 4#X2' 4#X2' 4#X2' 4#X3'  
 PLACE 14# BAR DIAGONAL AROUND OPENINGS

STEEL REINFORCEMENT SHOWN BELOW SHALL BE CUT AS REQUIRED FOR WALL PENETRATIONS AND PRECAST JOINT LOCATIONS. PLEASE NOTE: DUE TO PRECAST PRODUCTION CONSTRAINTS, NO REINFORCING WILL BE CONTINUOUS ACROSS PRECAST JOINTS.

**PLAN VIEW**

**RIGHT VIEW**

**FRONT VIEW**

BPV

Page 3 of 16

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 5536 lb  
 Volume (Net): 1.41cu.yd

Job Name: 25-1137B - East Bank Regional Pump Station  
 Job Location: Nashville, TN  
 Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: J. Coppage

5/12/2026 10:28:00 AM

PC: J. Jarvis



**Structure ID: Flow Meter Vault**

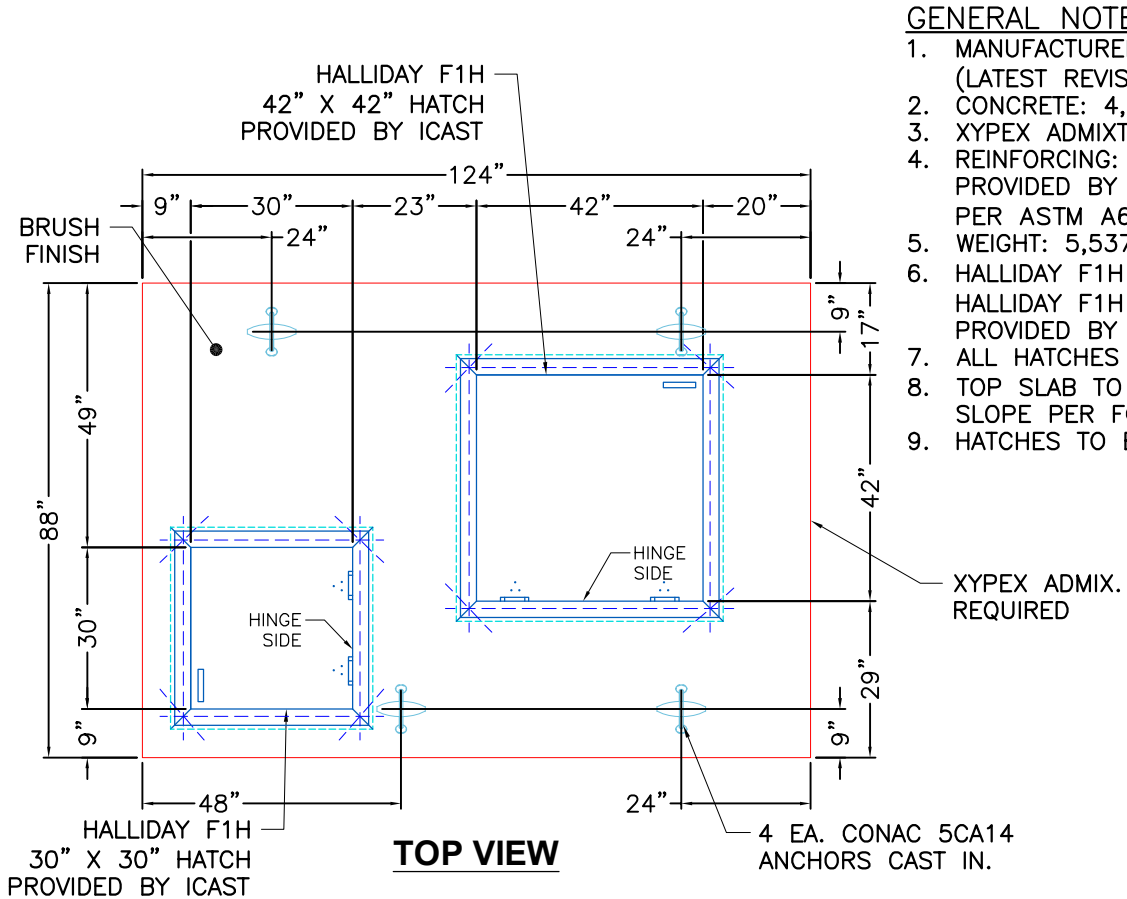
**P3 CTS-X**

**BX FLAT LID 8inW w/ XYPEX AND 2 HATCHES**

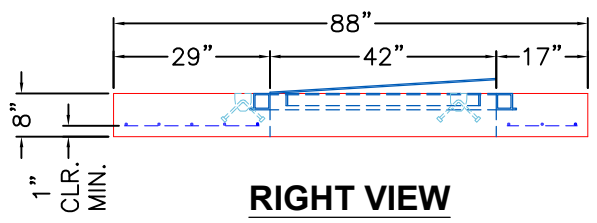
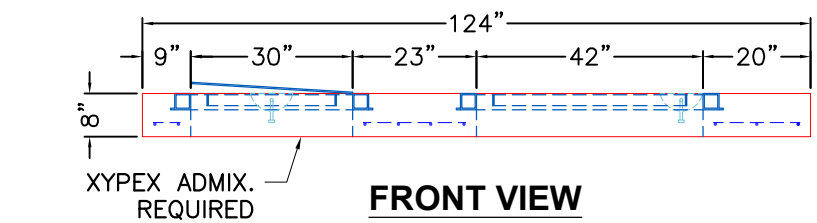
- P4) 42" x 42" - HATCH (CAST FLUSH) - 3"
- P3) 72" x 108" - BX FLAT LID 8inW w/ XYPEX AND 2 HATCHES - 8"
- P2) 72" x 108" - BOX RISER 8inW, Variable Ht w/Xypex FTB - 97"
- P1) 72" x 108" - P.I.P. BY OTHERS - BTM SLAB - 0"
- 2) DOGHOUSE - 26"x26"

100 lb  
 5536 lb  
 24359 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 29995 lb

- Structure Notes:**
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
  2. CONCRETE: 4,500 PSI AT 28 DAYS.
  3. XYPEX ADMIXTURE REQUIRED.
  4. REINFORCING: PER ASTM A615 (GRADE 60).
  5. HALLIDAY F1H 42" X 42" HATCH AND HALLIDAY F1H 30" X 30" HATCH PROVIDED BY ICAST.
  6. ALL HATCHES TO HAVE FALL PROTECTION.
  7. TOP SLAB TO HAVE MINIMUM 1/4" CROWNED SLOPE PER FOOT AND A BRUSH FINISH.
  8. HATCHES TO BE CAST IN TOP SLAB.



- GENERAL NOTES:**
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
  2. CONCRETE: 4,500 PSI AT 28 DAYS.
  3. XYPEX ADMIXTURE REQUIRED.
  4. REINFORCING: USE REINFORCEMENT DESIGN PROVIDED BY MATT CHILDS ENGINEERING. PER ASTM A615 (GRADE 60).
  5. WEIGHT: 5,537 LBS.
  6. HALLIDAY F1H 30" X 30" HATCH AND HALLIDAY F1H 42" X 42" HATCH PROVIDED BY ICAST.
  7. ALL HATCHES TO HAVE FALL PROTECTION.
  8. TOP SLAB TO HAVE MINIMUM 1/4" CROWNED SLOPE PER FOOT AND A BRUSH FINISH.
  9. HATCHES TO BE CAST IN TOP SLAB.



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 5536 lb Volume (Net): 1.41cu.yd
----------------------------------	--------------------------------	--------------------	------------------	--

Job Name: 25-1137B - East Bank Regional Pump Station  
 Job Location: Nashville, TN  
 Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: J. Coppage

5/12/2026 10:28:00 AM

PC: J. Jarvis



**Structure ID: Flow Meter Vault**

**P3 CTS-X**

**BX FLAT LID 8inW w/ XYPEX AND 2 HATCHES**

REINFORCING STEEL SCHEDULE

MARK	NO.	LENGTH	TYPE	AREA	TOTAL LB	BENDING DIAGRAM
5A	15	7'-4"	STR.	7,3879	110,8185	
5B	9	10'-1"	STR.	10,5189	94,6221	
5C	16	19'-4" (2)	BENT	18,817	834,144	
5D	34	7'-10"	STR.	8,1702	277,7857	

**DESIGN NOTE:**  
 HS20 LOADING - ASTM C857  
 CONCRETE 28 DAY COMPRESSIVE STRENGTH - 4500 PSI  
 REINFORCEMENT STEEL - 60,000 PSI  
 REBAR MIN SPLICE LENGTHS: #4-22' #5-28' #6-33'  
 PLACE #4# BAR DIAGONAL AROUND OPENINGS  
 STEEL REINFORCEMENT SHOWN BELOW SHALL BE CUT AS REQUIRED FOR WALL PENETRATIONS AND PRECAST JOINT LOCATIONS.  
 REINFORCEMENT TO BE CUT AS REQUIRED FOR PRECAST JOINT LOCATIONS. NO REINFORCING WILL BE CONTINUOUS ACROSS PRECAST JOINTS.

REVISIONS: \_\_\_\_\_  
 DRAWN BY: MBL  
 SCALE: 3/8" = 1'  
 DATE: 10/10/2026

PROJECT: EAST REGIONAL BANK PUMP STATION  
 DRAWING NO: 25-1137B-01  
 SHEET NO: 1 OF 1

MATT CHILDS ENGINEERING PLLC  
 919 E. WENTWORTH AVENUE  
 MEMPHIS, TN 38102

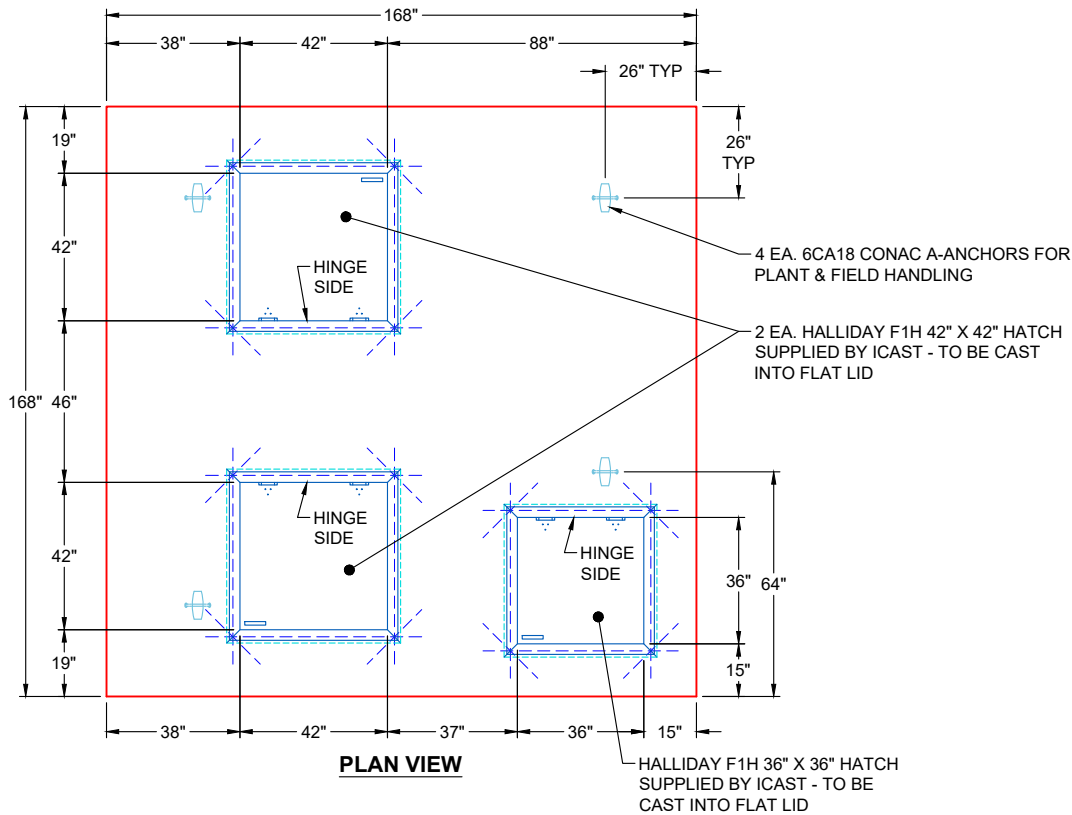
Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Flat

Wall Thickness: 8"

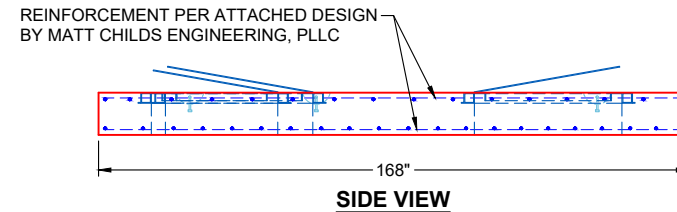
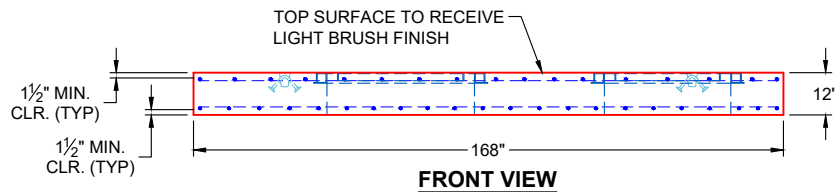
Height (Ext): 8"


Weight (Net): 5536 lb  
 Volume (Net): 1.41cu.yd



**GENERAL NOTES:**

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION)
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. REINFORCEMENT PER ATTACHED DESIGN BY MATT CHILDS ENGINEERING, PLLC
4. WEIGHT: 23,563 LBS
5. 2 EA. HALLIDAY F1H 42" X 42" HATCHES SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID
6. 1 EA. HALLIDAY F1H 36" X 36" HATCH SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID
7. ALL HATCHES TO HAVE FALL PROTECTION
8. LIFTERS: 4 EA. 6CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING
9. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH
10. XYPEX ADMIXTURE REQUIRED



<b>PRODUCTION WORK ORDER</b>		PRODUCT I.D.: CTSX	DESCRIPTION: 168" X 168" X 12" FLAT LID SPECIAL W/ XYPEX	
	<b>QUALITY CONTROL CHECKLIST</b>		PRODUCT VIEW: RIGHT SIDE UP	
	<input type="checkbox"/> ALL DIMENSIONS CORRECT. <input type="checkbox"/> LIFTERS INSTALLED. <input type="checkbox"/> HOLE LOCATION(S) CORRECT. <input type="checkbox"/> REINFORCING CORRECT. <input type="checkbox"/> HATCH LOCATION(S) & ORIENTATION(S). <input type="checkbox"/> EDGES CHAMFERED. <input type="checkbox"/> SHIPLAP JOINT INSTALLED.		PLANT: BEAVER DAM, KY	
			WEIGHT: 23,563 LBS	
			TOP SECTION JOINT: FLAT	
			BASE SECTION JOINT: N / A	
			QC CHECK INITIALS:	
		DATE: 11/25/25	SCALE: NTS	PG. 1 OF 1
		PE: J.H. ROSS	DRAWING: K. CARDWELL	
		CUSTOMER: GARNEY COMPANIES, INC.		
		PROJECT: EAST REGIONAL BANK PUMP STATION		
		STRUCTURE: GRINDER VAULT (PIECE 5)		
		ORDER NO: 25-1137B		



Job Name: 25-3310 - Mammoth Cave NP-MACA 12  
 Job Location: Mammoth Cave, KY  
 Contractor: Phillips Brothers

Plant: 100

5/5/2026 5:09:25 PM

Tech: J. Horsley - F

PC: C. Goff



**Structure ID: ICAST LI40**

**P2 BX60120-06LD08**

**CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) Fit**

- P3) 24" - CASTING HEIGHT - 7"
- P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) - 8"
- P1) 60" x 120" - BOX BASE 6inW, 6inF, Variable Ht - 72"
- 2) CASTING - HOE MC-315 F/C Grease
- 1) 60" x 70" - BAFFLE WALL (GT-1000 GAL.) - 4"
- 1) SECONDARY POUR - WALLS
- 1) 60" x 120" - Conseal CS-102 1.00"
- 3) Hole - 8

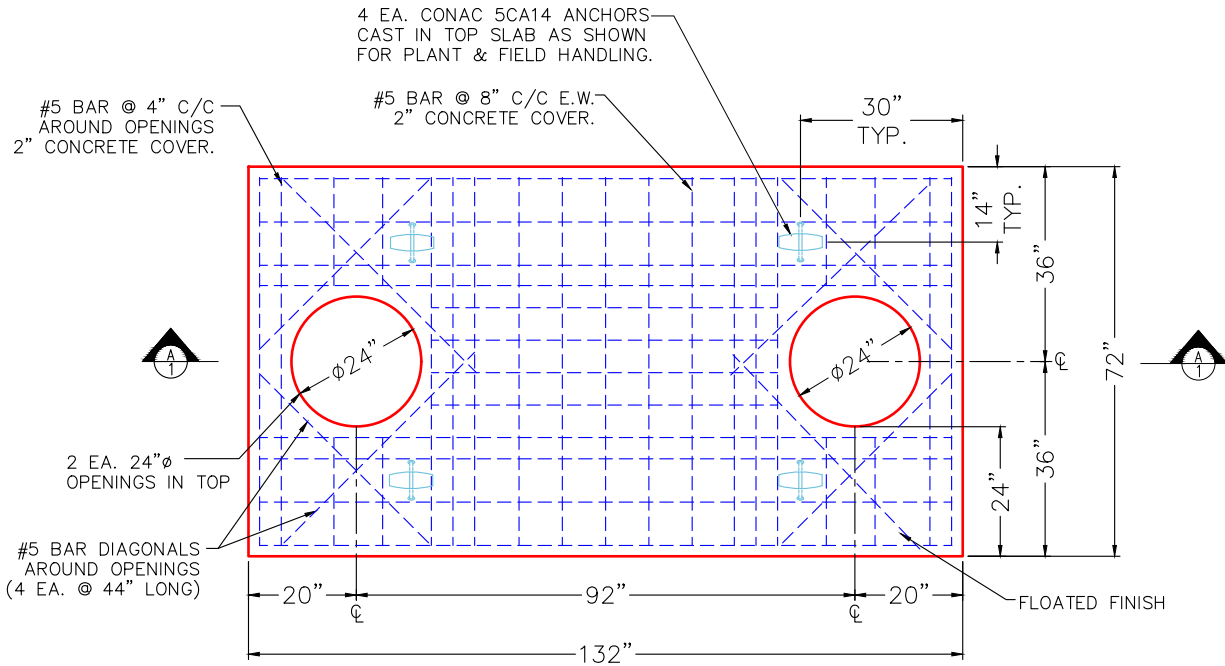
0 lb  
 6076 lb  
 18629 lb  
 516 lb  
 1372 lb  
 0 lb  
 0 lb  
 0 lb

Structure Total: 26593 lb

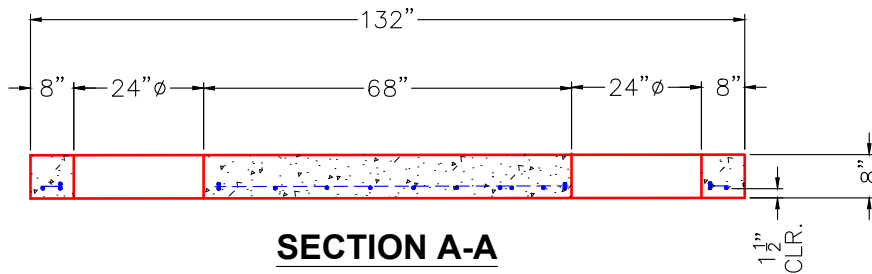
**Structure Notes:**

1. PER ASTM C-890-13 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. NO STEPS AND NO FLOW CHANNEL.
4. HOE MC-315 F/C GREASE - SHIPPED LOOSE.
5. THIRD POUR REQ'D - BAFFLE WALL.

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



**PLAN VIEW**



**SECTION A-A**

**NOTES:**

1. PER ASTM C-890-13 LATEST REVISION.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 8" C/C E.W. (GRADE 60). (H-20 TRAFFIC RATED DESIGN)
4. SEALED WITH 1" CS-102 (DOUBLE). (6 EA. 14.5' ROLLS REQ'D.)
5. TOP SLAB WEIGHT = 5,775 LBS.

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 6076 lb  
 Volume (Net): 1.55cu.yd

Job Name: 26-1230 - Wheelwright WWTP & LS Improvements  
 Job Location: Wheelwright, KY  
 Contractor: Endesol, Inc.

Plant: 100

5/7/2026 6:25:30 PM

Tech: Jared - F

PC: E. Bradley



**Structure ID: 2**

**P1 BX120264-08W10F-VF**

**BOX BASE 8inW, 10inF, Variable Ht F/n**

P1) 110" x 264" - BOX BASE 8inW, 10inF, Variable Ht - 72"

- 1) Conseal CS-102 1.00" (Double)
- 1) SECONDARY POUR - WALLS
- 1) Hole - 16
- 1) Hole - 12

67093 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 67093 lb

Structure Notes:

- 1. PER ASTM C913 SPECIFICATIONS.
- 2. CONCRETE = 4,000 PSI AT 28 DAYS.

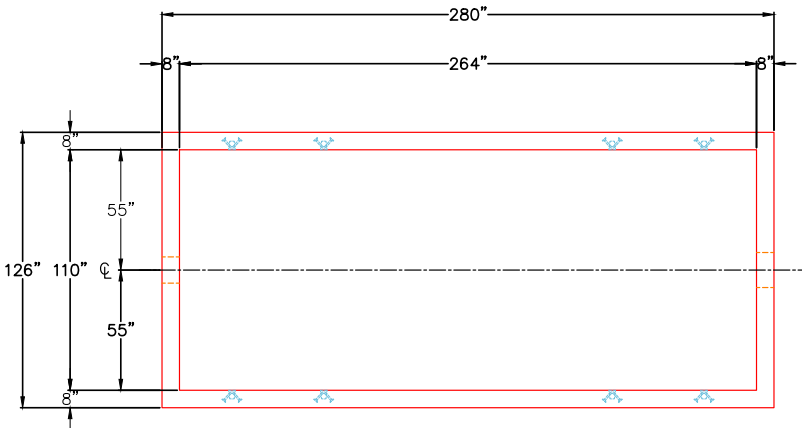
REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #6 BARS AT 8" C.C.E.W.  
 - FLOOR (As .12) #6 BARS AT 8" C.C.E.W.

**NOTE:**  
 Fiberglass baffles are to be installed by others.

Rim: 977.82'    Rim to Invert: 1.5'    Slack: 0"    Sump: 54"    Step Position:

GENERAL NOTES:

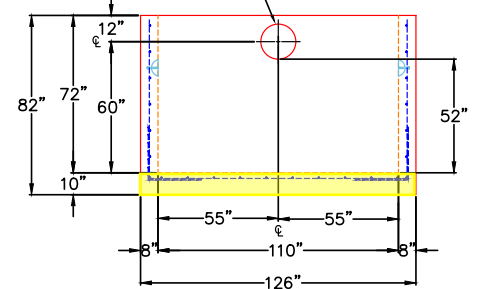
- 1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- 2. CONCRETE: 4,000 PSI AT 28 DAYS.
- 3. REINFORCING: #6 BAR @ 8" E.W. O.C. (GRADE 60).
- 4. WEIGHT:  
 FIRST POUR - 29,604 LBS.  
 SECOND POUR - 37,489 LBS.  
 TOTAL - 67,093 LBS.



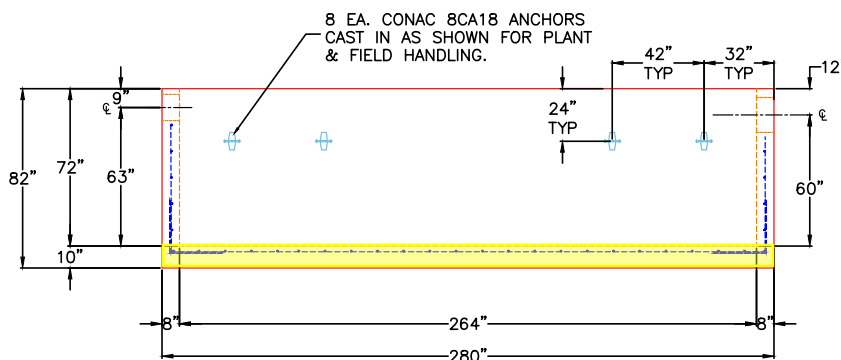
**PLAN VIEW**

**FIRST POUR DRAWING**

16" DIA. HOLE FOR 12" DIA. D.I. PIPE UP 52" FROM TOP OF THE FLOOR TO BTM OF HOLE

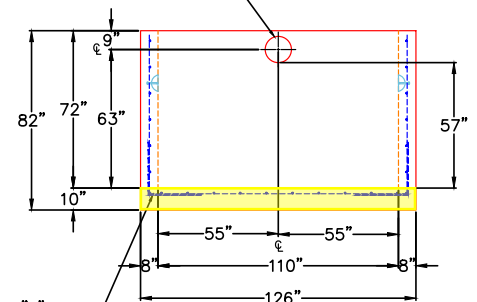


**RIGHT VIEW**



**FRONT VIEW**

12" DIA. HOLE FOR 8" DIA. D.I. PIPE UP 57" FROM TOP OF THE FLOOR TO BTM OF HOLE



**LEFT VIEW**

24' X 24" #5 "L" BAR @12" ON CENTER TIED INTO THE MAT

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 10"

Height (Int): 72"  
 Height (Ext): 82"

Weight (Net): 67093 lb  
 Volume (Net): 17.14cu.yd

Job Name: 26-1230 - Wheelwright WWTP & LS Improvements  
 Job Location: Wheelwright, KY  
 Contractor: Endesol, Inc.

Plant: 100

5/7/2026 6:25:30 PM

Tech: Jared - F

PC: E. Bradley



**Structure ID: 2**

**P1 BX120264-08W10F-VF**

**BOX BASE 8inW, 10inF, Variable Ht F/n**

P1) 110" x 264" - BOX BASE 8inW, 10inF, Variable Ht - 72"

- 1) Conseal CS-102 1.00" (Double)
- 1) SECONDARY POUR - WALLS
- 1) Hole - 16
- 1) Hole - 12

67093 lb

- 0 lb
- 0 lb
- 0 lb
- 0 lb

Structure Total: 67093 lb

Structure Notes:

- 1. PER ASTM C913 SPECIFICATIONS.
- 2. CONCRETE = 4,000 PSI AT 28 DAYS.

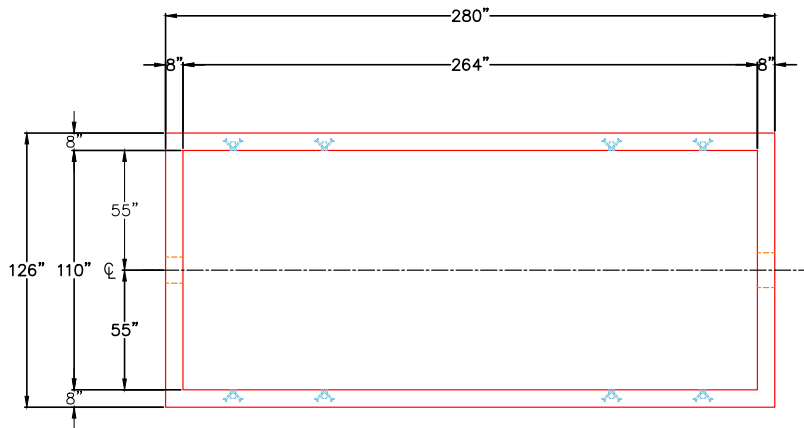
REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #6 BARS AT 8" C.C.E.W.  
 - FLOOR (As .12) #6 BARS AT 8" C.C.E.W.

**NOTE:**  
 Fiberglass baffles are to be installed by others.

Rim: 977.82'    Rim to Invert: 1.5'    Slack: 0"    Sump: 54"    Step Position:

GENERAL NOTES:

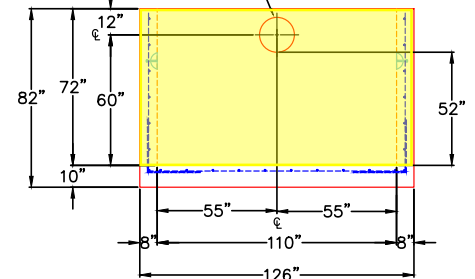
- 1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- 2. CONCRETE: 4,000 PSI AT 28 DAYS.
- 3. REINFORCING: #6 BAR @ 8" E.W. O.C. (GRADE 60).
- 4. WEIGHT:  
 FIRST POUR - 29,604 LBS.  
 SECOND POUR - 37,489 LBS.  
 TOTAL - 67,093 LBS.



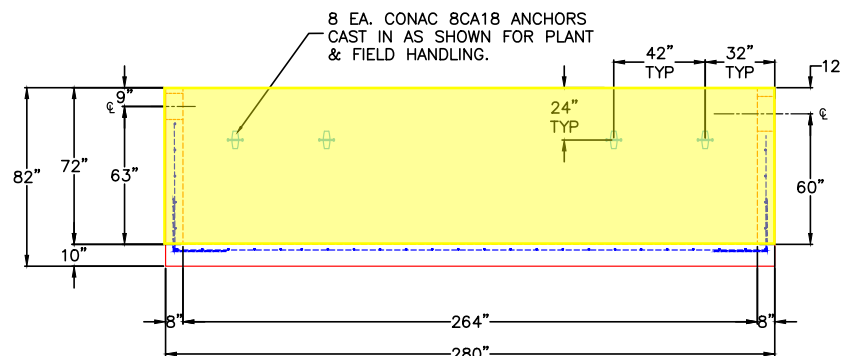
**PLAN VIEW**

**SECOND POUR DRAWING**

16" DIA. HOLE FOR 12" DIA. D.I. PIPE UP 52" FROM TOP OF THE FLOOR TO BTM OF HOLE

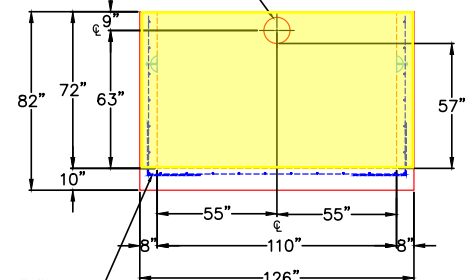


**RIGHT VIEW**



**FRONT VIEW**

12" DIA. HOLE FOR 8" DIA. D.I. PIPE UP 57" FROM TOP OF THE FLOOR TO BTM OF HOLE



**LEFT VIEW**

24' X 24" #5 "L" BAR @12" ON CENTER TIED INTO THE MAT

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 10"

Height (Int): 72"  
 Height (Ext): 82"

Weight (Net): 67093 lb  
 Volume (Net): 17.14cu.yd

Job Name: 24-4171 - McKinney Water District Contract 1B Phase 2  
 Job Location: Stanford, KY  
 Contractor: Frederick and May Construction

Plant: 100  
 5/5/2026 8:17:40 PM

Tech: Jared - F  
 PC: E. Bradley



**Structure ID: METER VAULT - 3**

**P1 BX4884-06BAVF-FLAT**

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

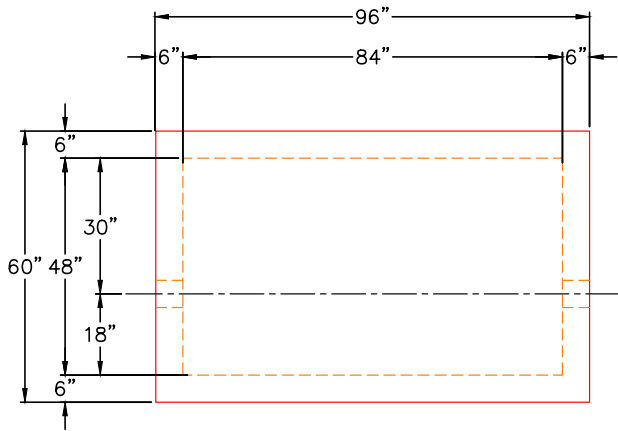
- P3) 36" x 60" - HATCH (CAST FLUSH) - 3"
- P2) 48" x 84" - CB FLAT TOP 6"W w/36"x60" HATCH F/F - 8"
- P1) 48" x 84" - BOX BASE 6inW, 6inF, Variable Ht F/n - 54"
- 1) HATCH (Alum.) - HALLIDAY W1S 36"x60"
- 1) 48" x 84" - Conseal CS-102 1.00" (Double)
- 1) 36" x 60" - Conseal CS-102 1.00" (Double)
- 2) Hole - 6

100 lb  
 2417 lb  
 10702 lb  
 116 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 13334 lb

**Structure Notes:**  
 1. PER ASTM C913 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. NO STEPS AND NO INVERT CHANNEL.  
 4. HATCH SUPPLIED BY ICAST (HALLIDAY W1S 36"x60").

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: 5.167' Rim to Invert: 4' Slack: 0" Sump: 14" Step Position:

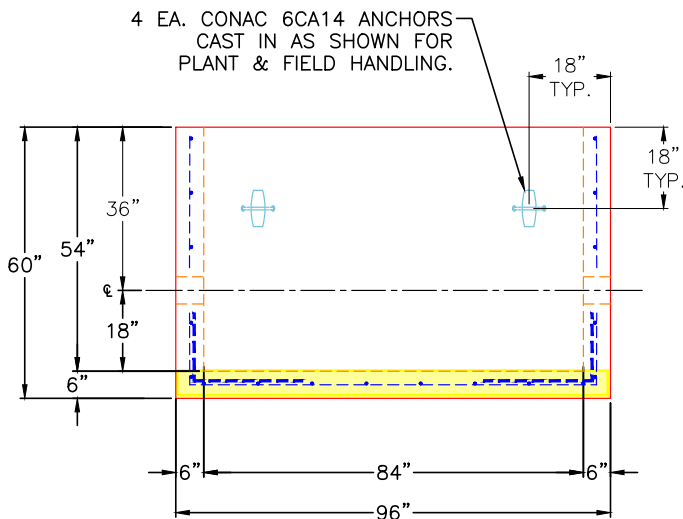


**PLAN VIEW**

**GENERAL NOTES:**

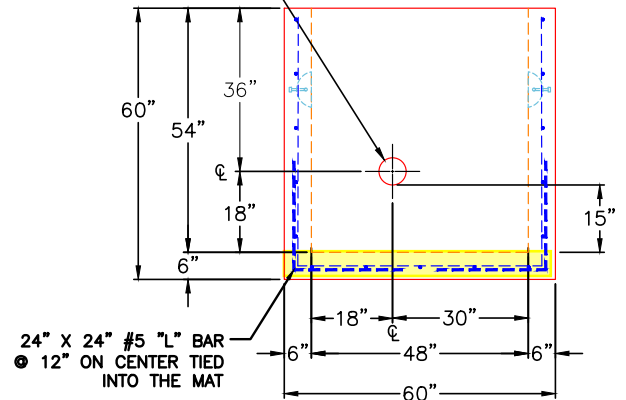
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHT:  
 FIRST POUR - 2,900 LBS.  
 SECOND POUR - 7,830 LBS.  
 TOTAL - 10,730 LBS.

**FIRST POUR DRAWING**



**FRONT VIEW**

6" HOLE FOR 2" DIA. PIPE UP 15" FROM TOP OF FLOOR TO BTM OF HOLE NEAR WALL AND FAR WALL



**RIGHT VIEW**

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 6"  
 Floor Height: 6"

Height (Int): 54"  
 Height (Ext): 60"

Weight (Net): 10702 lb  
 Volume (Net): 2.73cu.yd

Job Name: 24-4171 - McKinney Water District Contract 1B Phase 2  
 Job Location: Stanford, KY  
 Contractor: Frederick and May Construction

Plant: 100

5/5/2026 8:17:40 PM

Tech: Jared - F

PC: E. Bradley



**Structure ID: METER VAULT - 3**

**P1 BX4884-06BAVF-FLAT**

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

- P3) 36" x 60" - HATCH (CAST FLUSH) - 3"
- P2) 48" x 84" - CB FLAT TOP 6"W w/36"x60" HATCH F/F - 8"
- P1) 48" x 84" - BOX BASE 6inW, 6inF, Variable Ht F/n - 54"
- 1) HATCH (Alum.) - HALLIDAY W1S 36"x60"
- 1) 48" x 84" - Conseal CS-102 1.00" (Double)
- 1) 36" x 60" - Conseal CS-102 1.00" (Double)
- 2) Hole - 6

100 lb  
 2417 lb  
 10702 lb  
 116 lb  
 0 lb  
 0 lb  
 0 lb

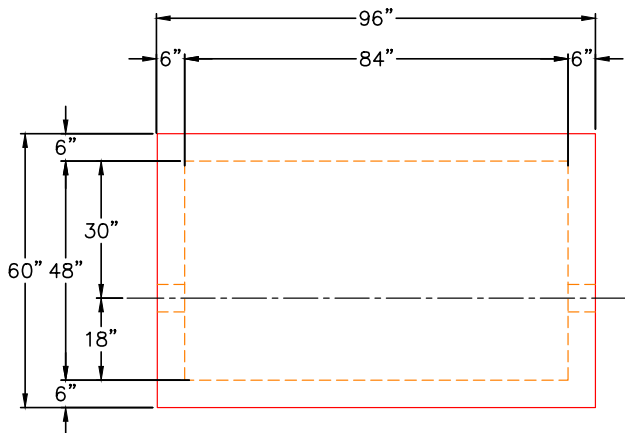
Structure Total: 13334 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. HATCH SUPPLIED BY ICAST (HALLIDAY W1S 36"x60").

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: 5.167' Rim to Invert: 4' Slack: 0" Sump: 14" Step Position:



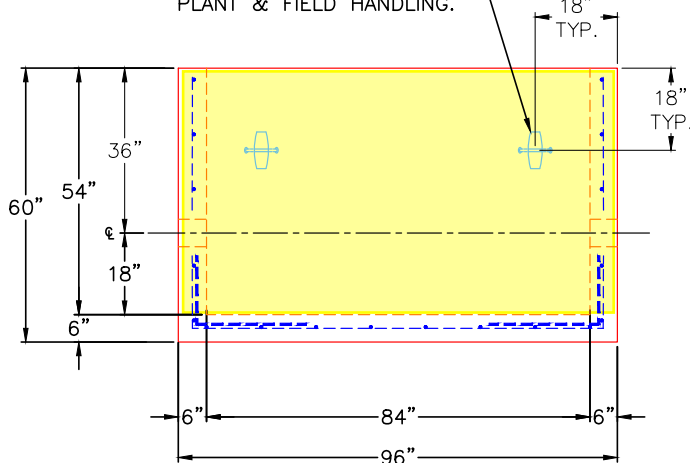
**PLAN VIEW**

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHT:  
 FIRST POUR - 2,900 LBS.  
 SECOND POUR - 7,830 LBS.  
 TOTAL - 10,730 LBS.

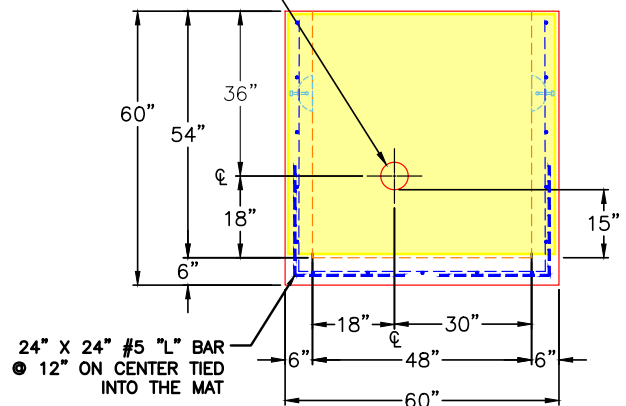
**SECOND POUR DRAWING**

4 EA. CONAC 6CA14 ANCHORS  
 CAST IN AS SHOWN FOR  
 PLANT & FIELD HANDLING.



**FRONT VIEW**

6" HOLE FOR 2" DIA. PIPE  
 UP 15" FROM TOP OF  
 FLOOR TO BTM OF HOLE  
 NEAR WALL AND FAR WALL



**RIGHT VIEW**

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

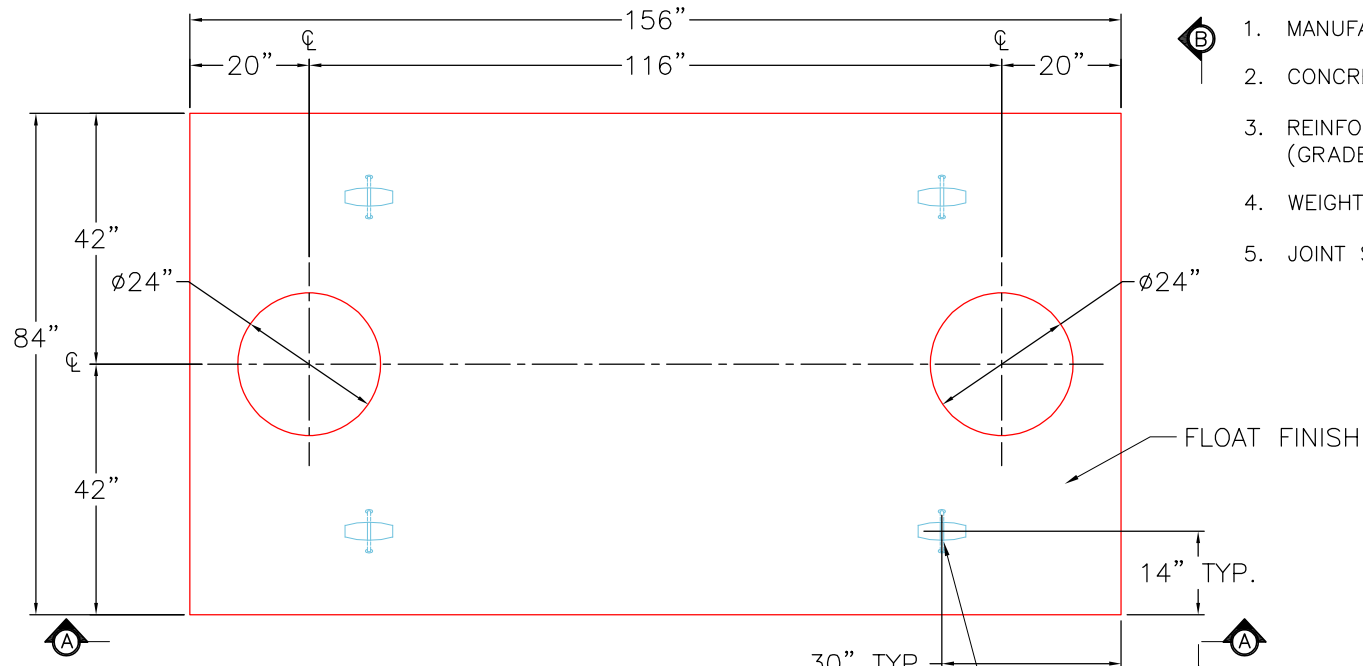
Wall Thickness: 6"  
 Floor Height: 6"

Height (Int): 54"  
 Height (Ext): 60"

Weight (Net): 10702 lb  
 Volume (Net): 2.73cu.yd

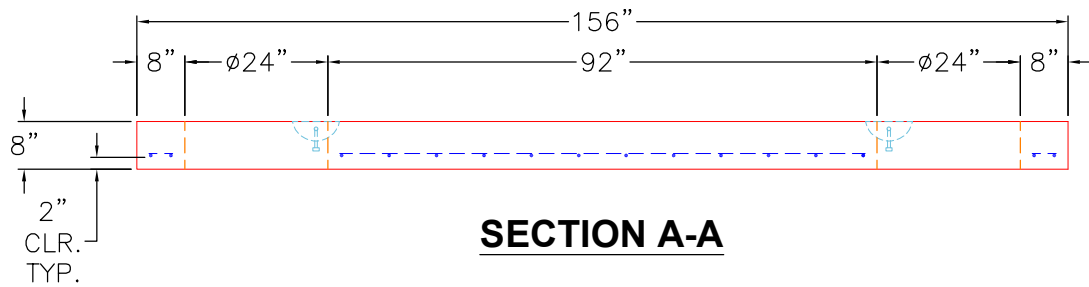
GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: TOP SLAB #5 BAR @ 8" E.W. O.C. (GRADE 60).
4. WEIGHT: TOP SLAB = 8,195 LBS
5. JOINT SEALANT TO BE CONSEAL CS-102, 1".

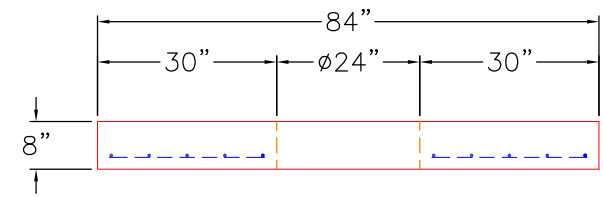


**PLAN VIEW**


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



**SECTION A-A**



**SECTION B-B**

<p>PRODUCTION WORK ORDER</p> 		<p>PRODUCT I.D.: BX072144-08LD06S</p>	<p>DESCRIPTION: 84" X 156" X 8" THICK TOP SLAB</p>
<p>QUALITY CONTROL CHECKLIST</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ALL DIMENSIONS CORRECT.</li> <li><input type="checkbox"/> LIFTERS INSTALLED.</li> <li><input type="checkbox"/> OPENING CORRECT.</li> <li><input type="checkbox"/> REINFORCING CORRECT.</li> <li><input type="checkbox"/> SURFACE QUALITY ACCEPTABLE.</li> <li><input type="checkbox"/> EDGES CHAMFERED.</li> <li><input type="checkbox"/> ALL PATCHWORK ACCEPTABLE.</li> </ul>		<p>PRODUCT VIEW: RIGHT SIDE UP</p> <p>PLANT: BEAVER DAM, KY.</p> <p>WEIGHT: 8,195 LBS.</p> <p>TOP SECTION JOINT: N/A</p> <p>BASE SECTION JOINT: N/A</p> <p>QC CHECK INITIALS:</p>	<p>CUSTOMER: CORE &amp; MAIN LP</p> <p>PROJECT: METRO CENTER GREASE TRAP</p> <p>STRUCTURE: QL1 GT2000 (1)</p> <p>ORDER NO: 26-2243</p> <p>PC: T. RYAN      DRAWING: S. FELLETER</p> <p>DATE: 05/07/26      SCALE: NTS      PG. 1 of 1</p>

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 2:16:13 PM

Tech: J. Horsley - A

PC: Celina Goff



**Structure ID: ARV4**

**P2 CVR**

**BOX RISER 6inW, Variable Ht F/F**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 72" x 84" - CB FLAT TOP 6"W w/(2) 24" HOLES F/F - 8"
- P2) 72" x 84" - BOX RISER 6inW, Variable Ht F/F - 54"
- P1) 72" x 84" - 108" X 16" X 6" Footer Blocks - 2 Ea. F/n - 6"
- 2) 72" x 84" - Conseal CS-102 1.00" (Double)
- 2) DOGHOUSE - 24"x14
- 6) MH Step ML-10-TDS-NCR - 10"

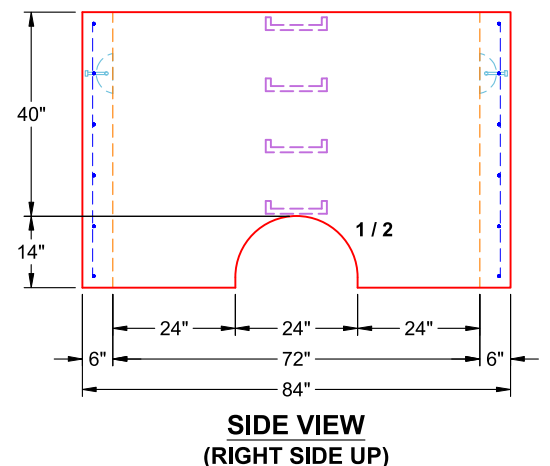
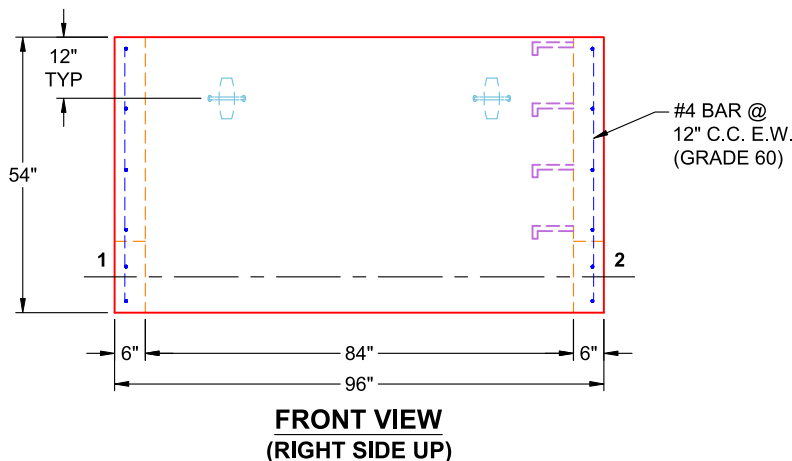
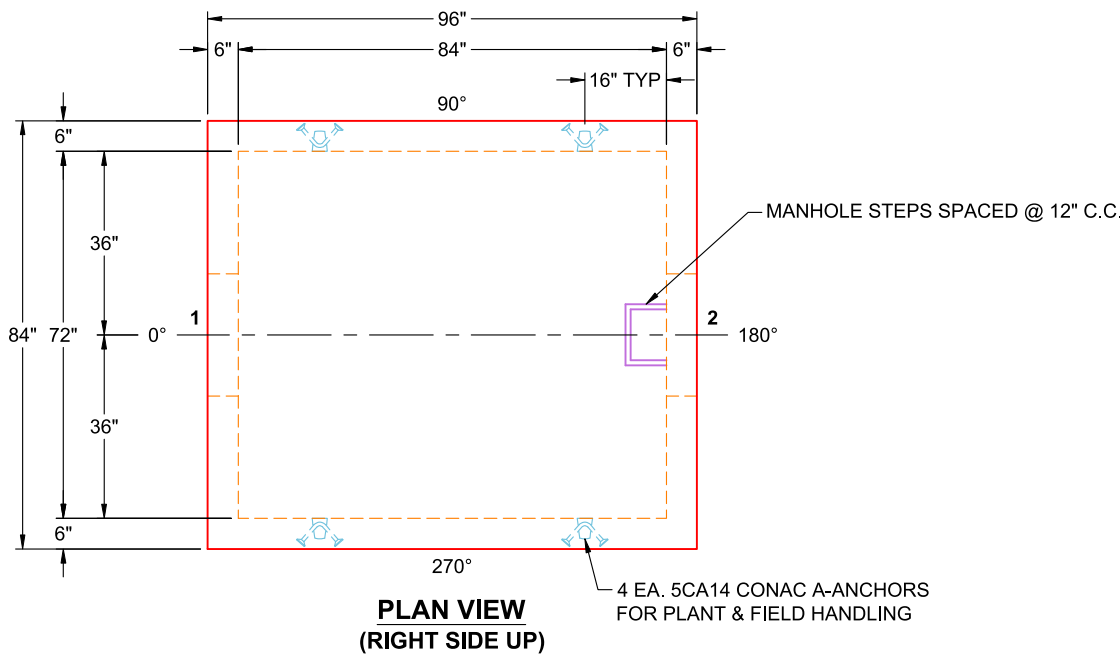
0 lb  
 4806 lb  
 8859 lb  
 1740 lb (870 lb Ea.)  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 15405 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 90° & 270° WALLS, MIN. 12" FROM TOP OF WALLS
5. STEPS AT 180 DEGREES

Rim: 5.75' Rim to Invert: 5.75' Slack: 0" Sump: 0" Step Position: 180°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	0'	0°	42"	18" DI	19.5"	DOGHOUSE 24"x14	24" x 14"	24"	0"	0"
Invert 2	0'	180°	42"	18" DI	19.5"	DOGHOUSE 24"x14	24" x 14"	24"	0"	0"
Invert 3										



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 6" Floor Height: 0"	Height (Int): 54" Height (Ext): 54"	Weight (Net): 8859 lb Volume (Net): 2.26cu.yd
----------------------------------	--------------------------------	--	--	--

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

Plant: 100

3/27/2026 11:41:43 AM

Tech: J. Horsley - A

PC: Celina Goff



**Structure ID: ARV4**

**P3 CTS**

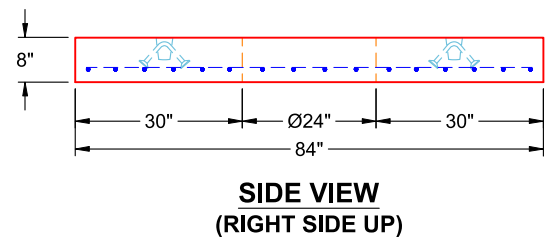
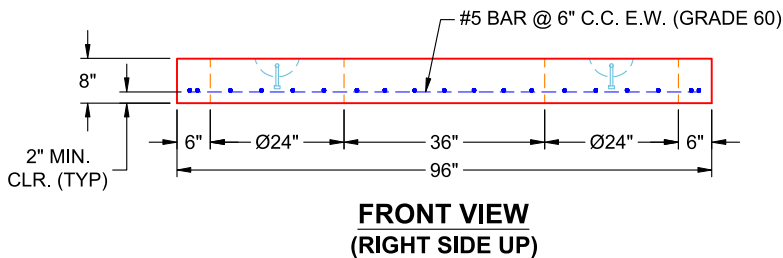
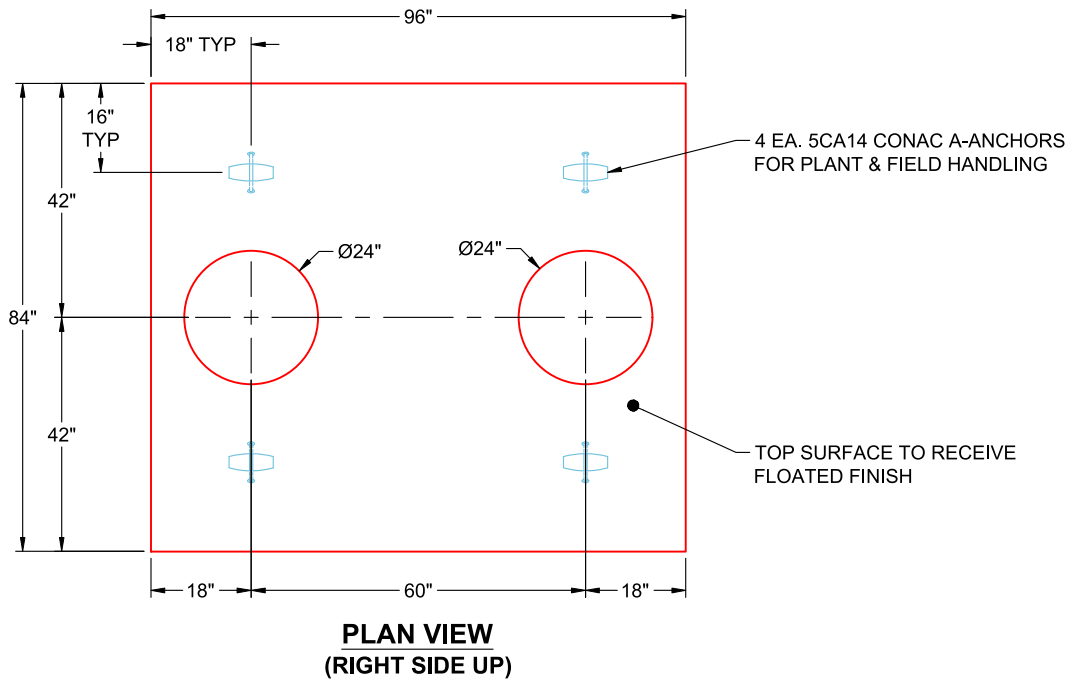
**CB FLAT TOP 6"W w/(2) 24" HOLES F/F**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 72" x 84" - CB FLAT TOP 6"W w/(2) 24" HOLES F/F - 8"
- P2) 72" x 84" - BOX RISER 6inW, Variable Ht F/F - 54"
- P1) 72" x 84" - 108" X 16" X 6" Footer Blocks - 2 Ea. F/n - 6"
- 2) 72" x 84" - Conseal CS-102 1.00" (Double)
- 2) DOGHOUSE - 24"x14
- 6) MH Step ML-10-TDS-NCR - 10"

0 lb  
 4806 lb  
 8859 lb  
 1740 lb (870 lb Ea.)  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 15405 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. 2 EA. 7" CASTINGS SUPPLIED BY OTHERS
5. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 4806 lb  
 Volume (Net): 1.23cu.yd