

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

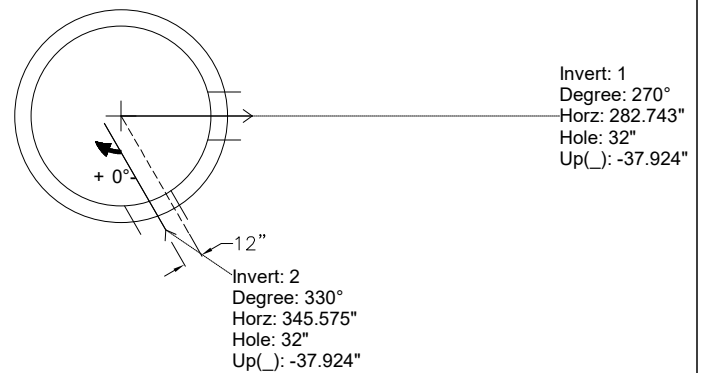
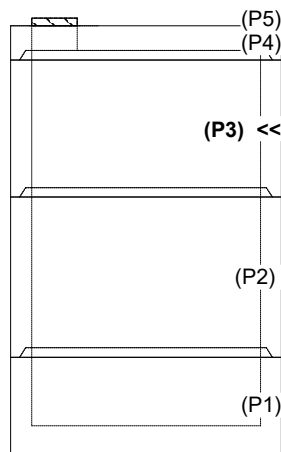
0 lb
 16223 lb
 27351 lb
 30395 lb
 32280 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 106248 lb

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

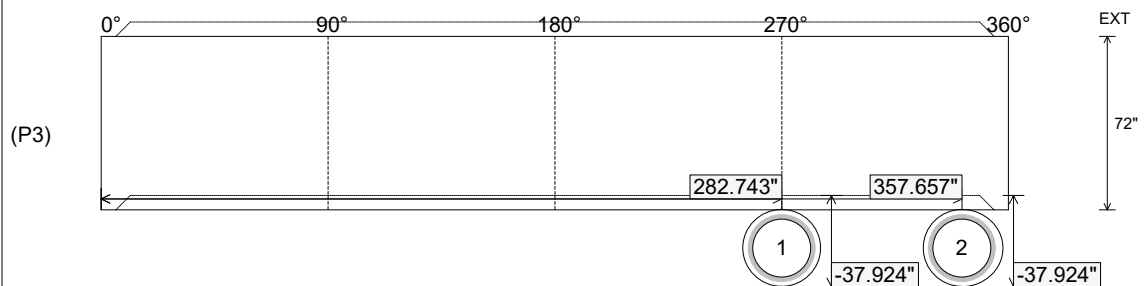
Rim: 871.4' Rim to Invert: 10.3' Slack: 1.676" Sump: 92.076" Step Position:

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 0 lb	Structure Total: 106248 lb
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Structure Notes:
 4" CASTING BY OTHERS

LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE

ICAST TO INSTALL BRACKETS ONLY

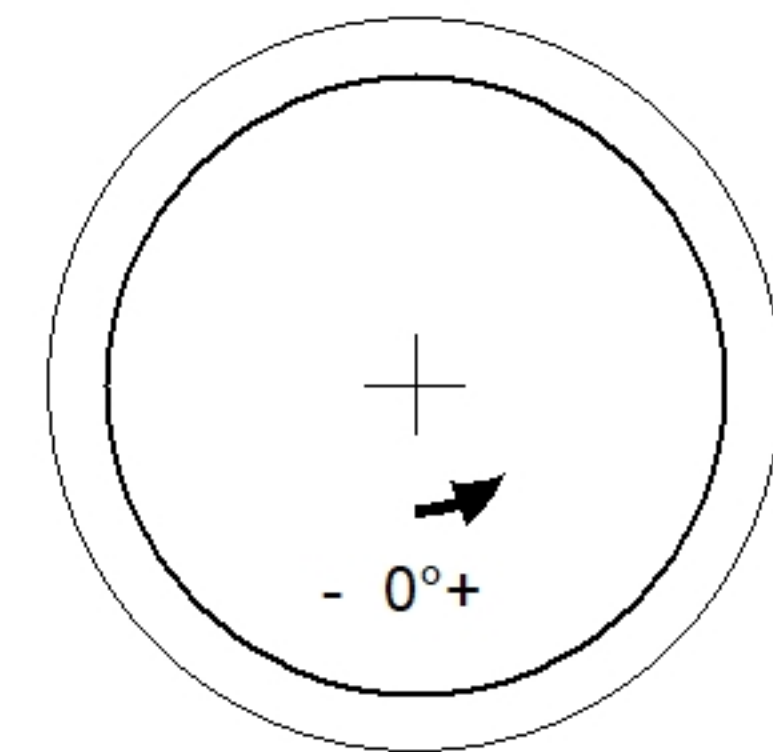
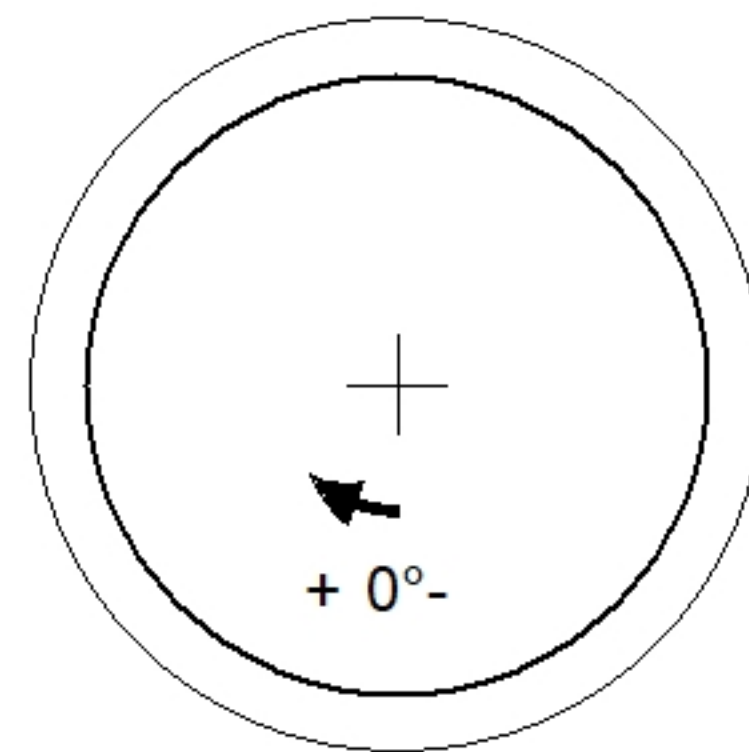
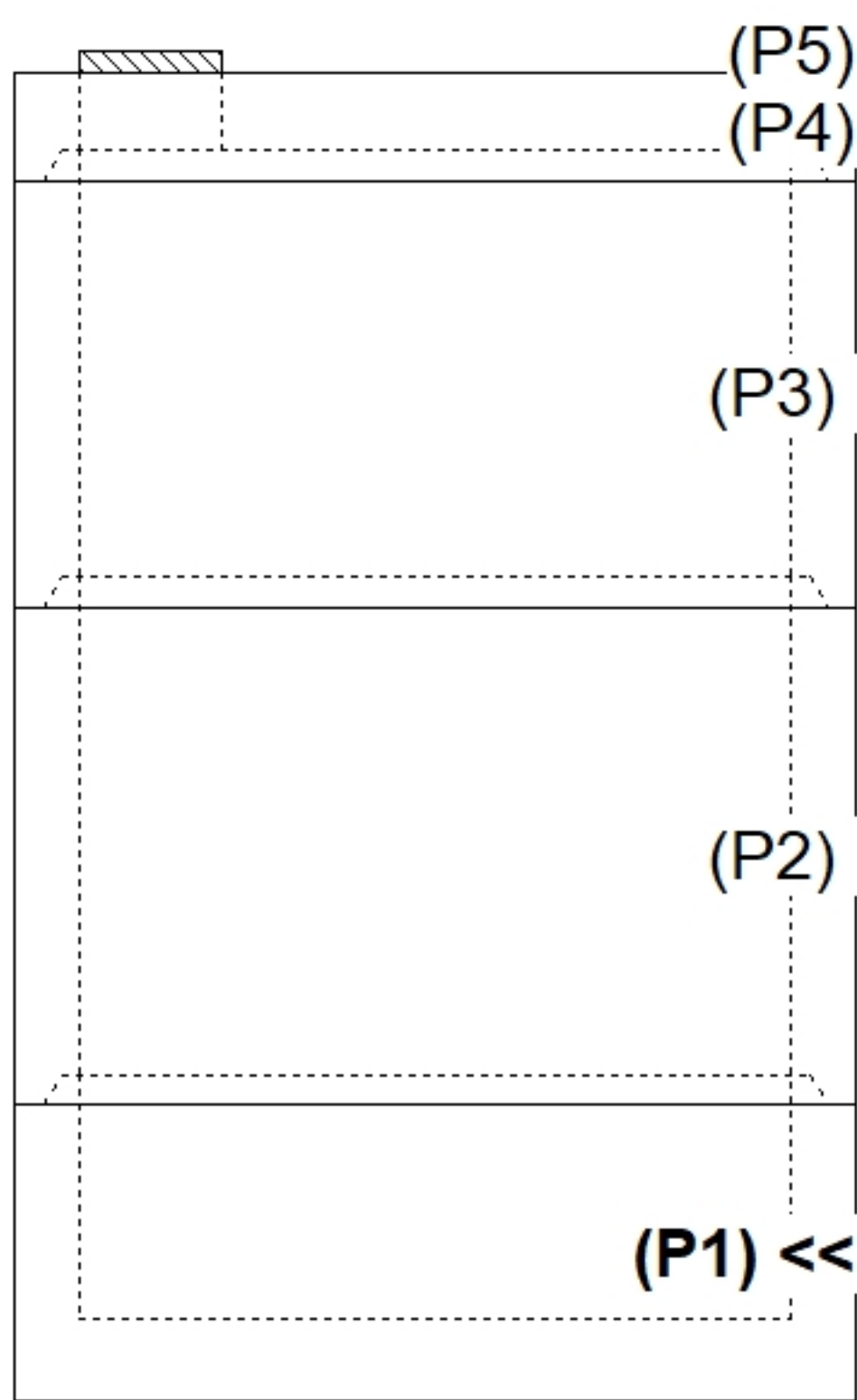
CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE

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

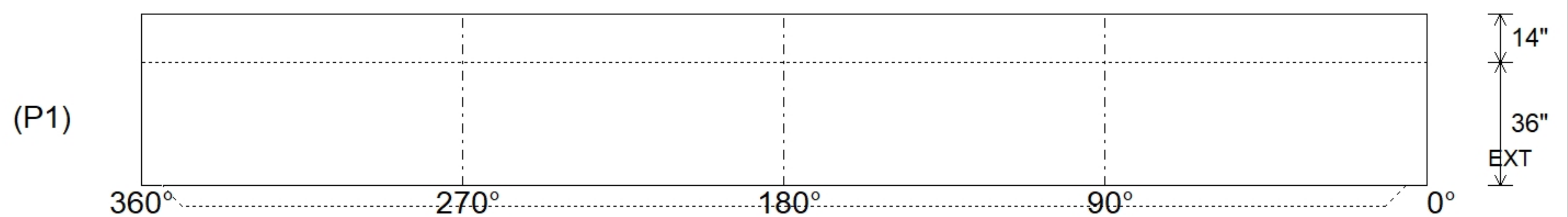
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 11" Floor Height: 14"	Height (Int): 36" Height (Ext): 50"	Weight (Net): 32280 lb Volume (Net): 8.24cu.yd
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Job Name: 25-4590 Uhlhorn Sewer Repairs	Plant: Beaver Dam	Tech: S. Felletter	
Job Location: Evansville, IN	5/11/2026 3:02:16 PM	PC: A. Chambers	
Contractor: Bowen Engineering Corporation			

Structure ID: 102 (8)

P4 MH048RS72CDARED

MH RISER 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
Structure Total:	26237 lb

Structure Notes:

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

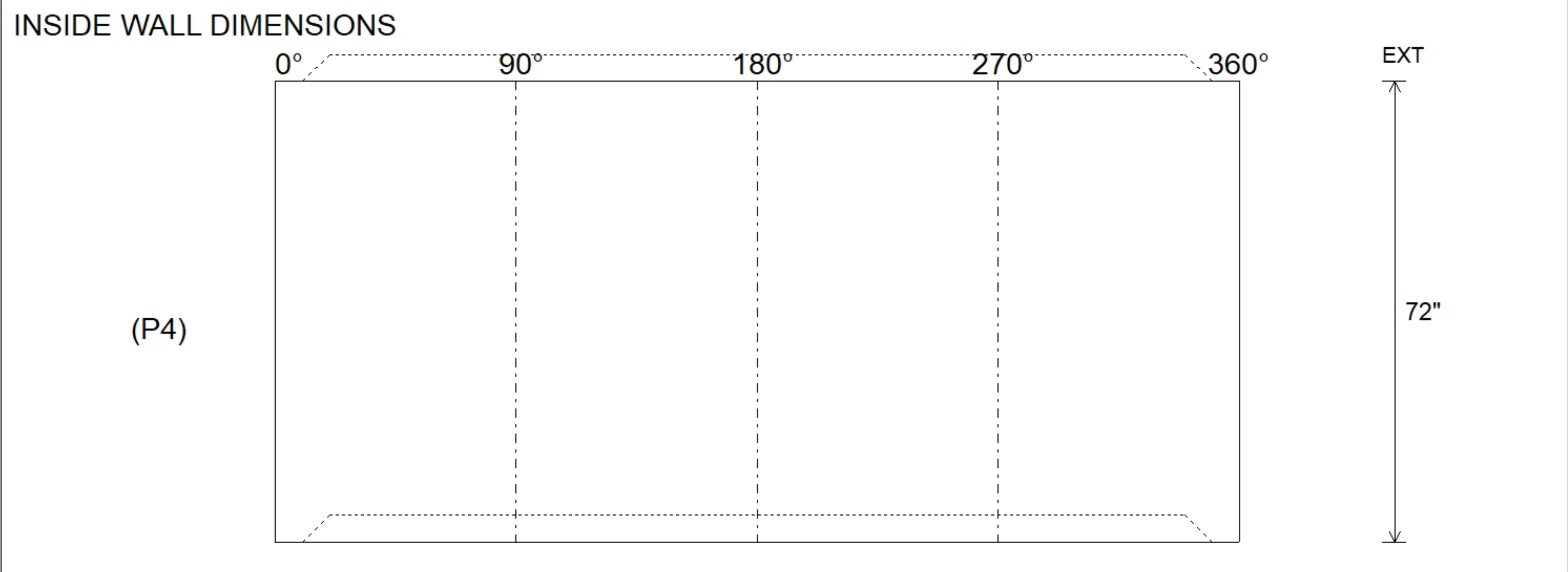
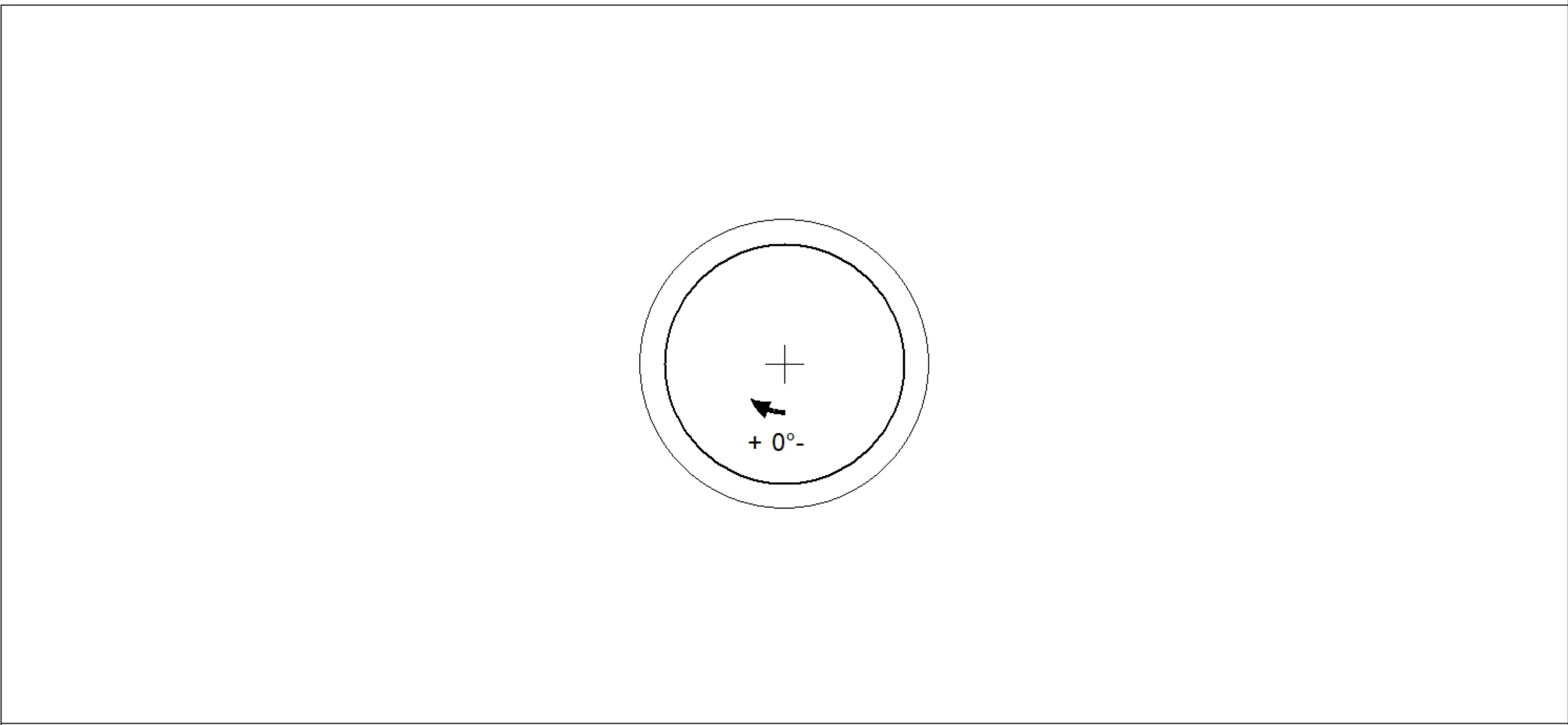
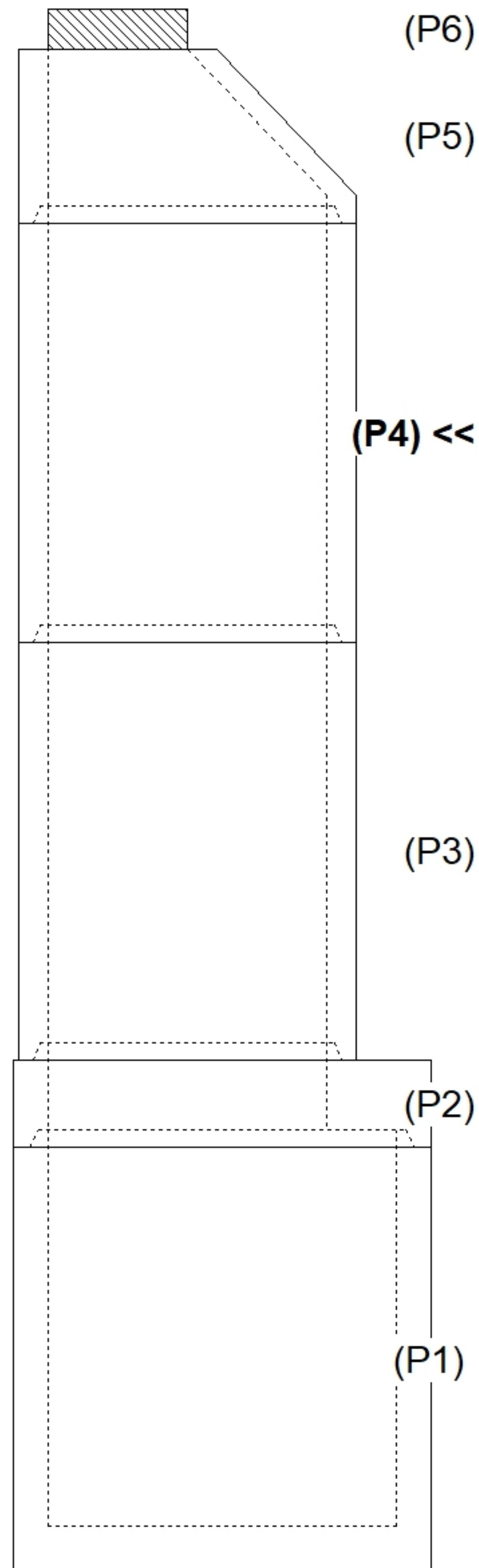
REINFORCING PER ASTM A615 (GRADE 60).

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

Structure ID: 102 (8)

P3 MH048RS72CDARED

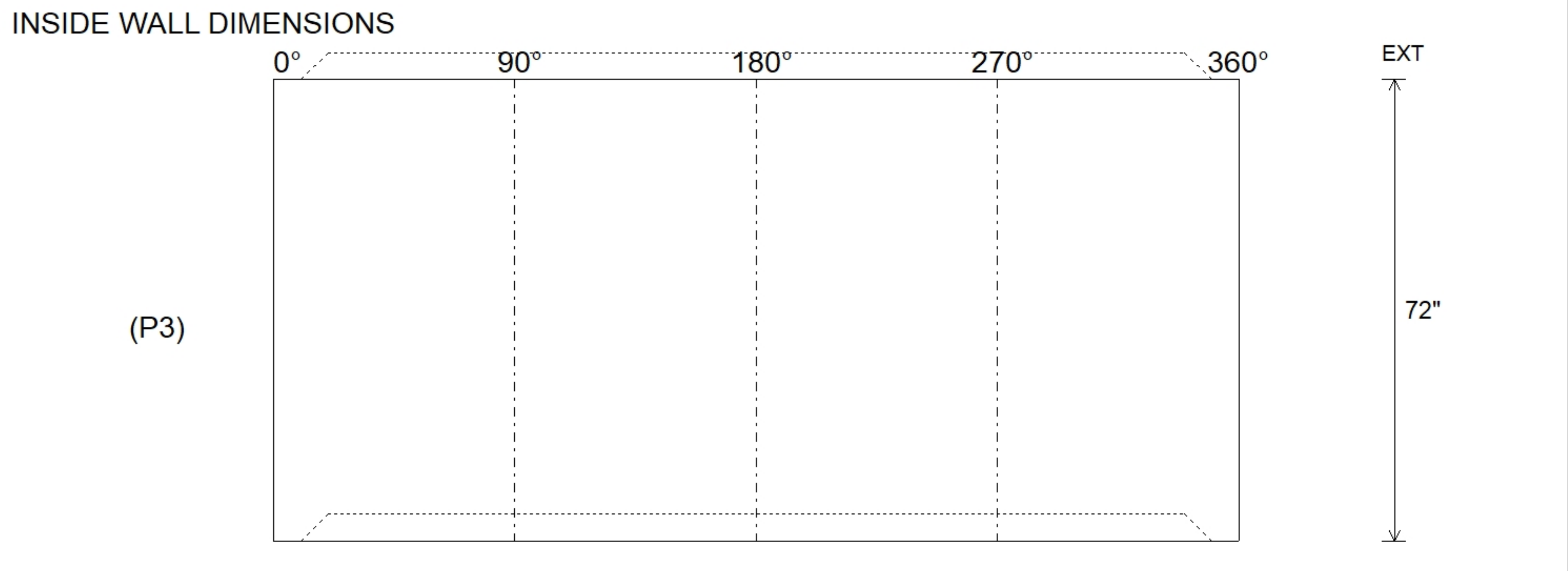
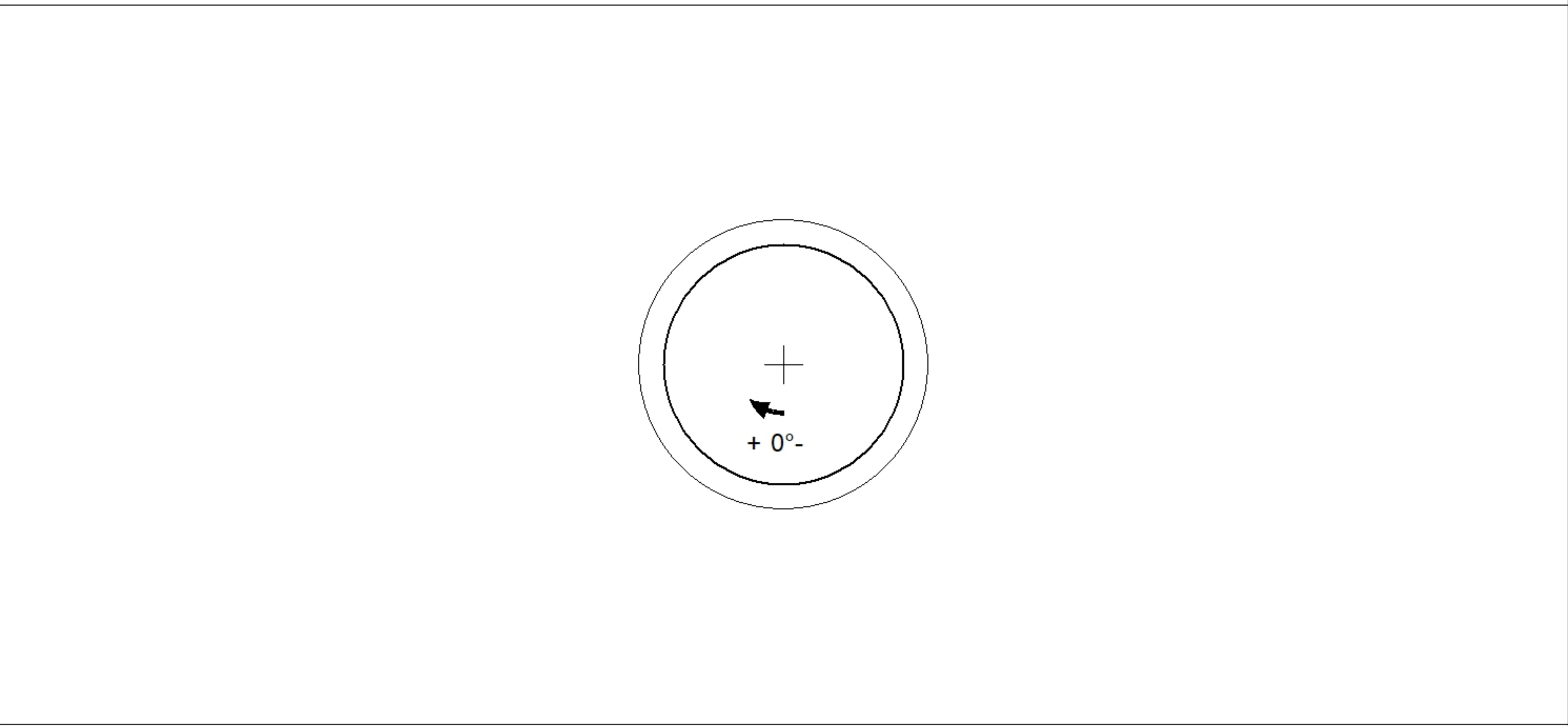
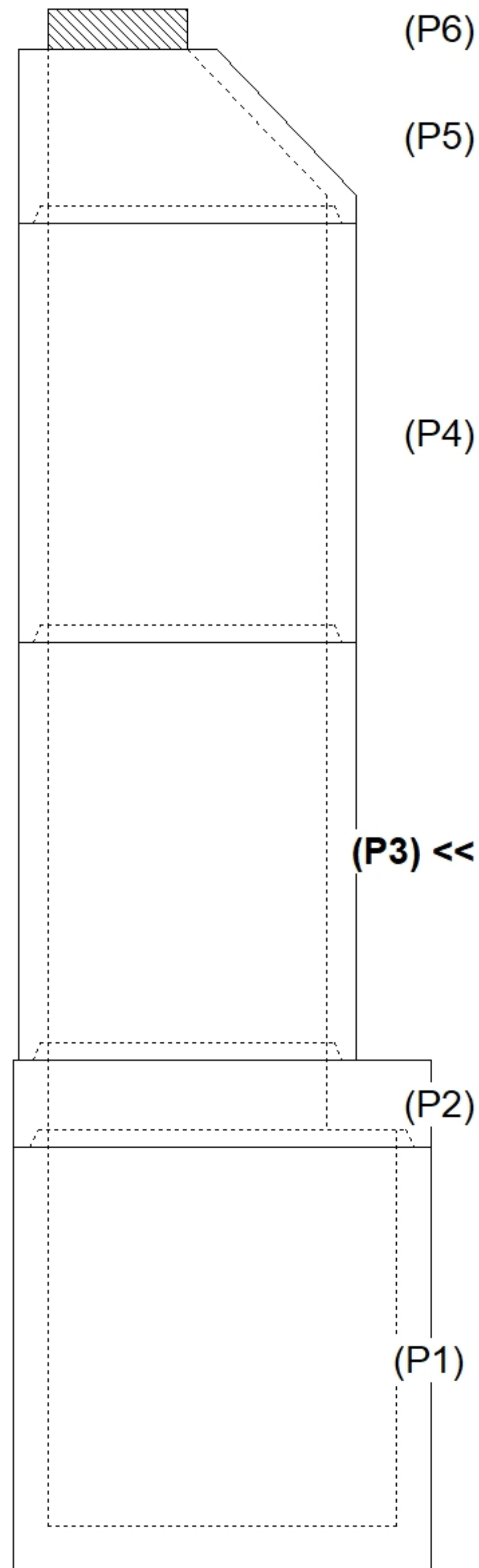
MH RISER w/ConBlock-CDA Red T/G

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: 0;"/> Structure Total: 26237 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.
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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): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 72" Height (Ext): 72"	Weight (Net): 5030 lb Volume (Net): 1.28cu.yd
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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 ----- 5901 lb	
Structure Total:		

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).

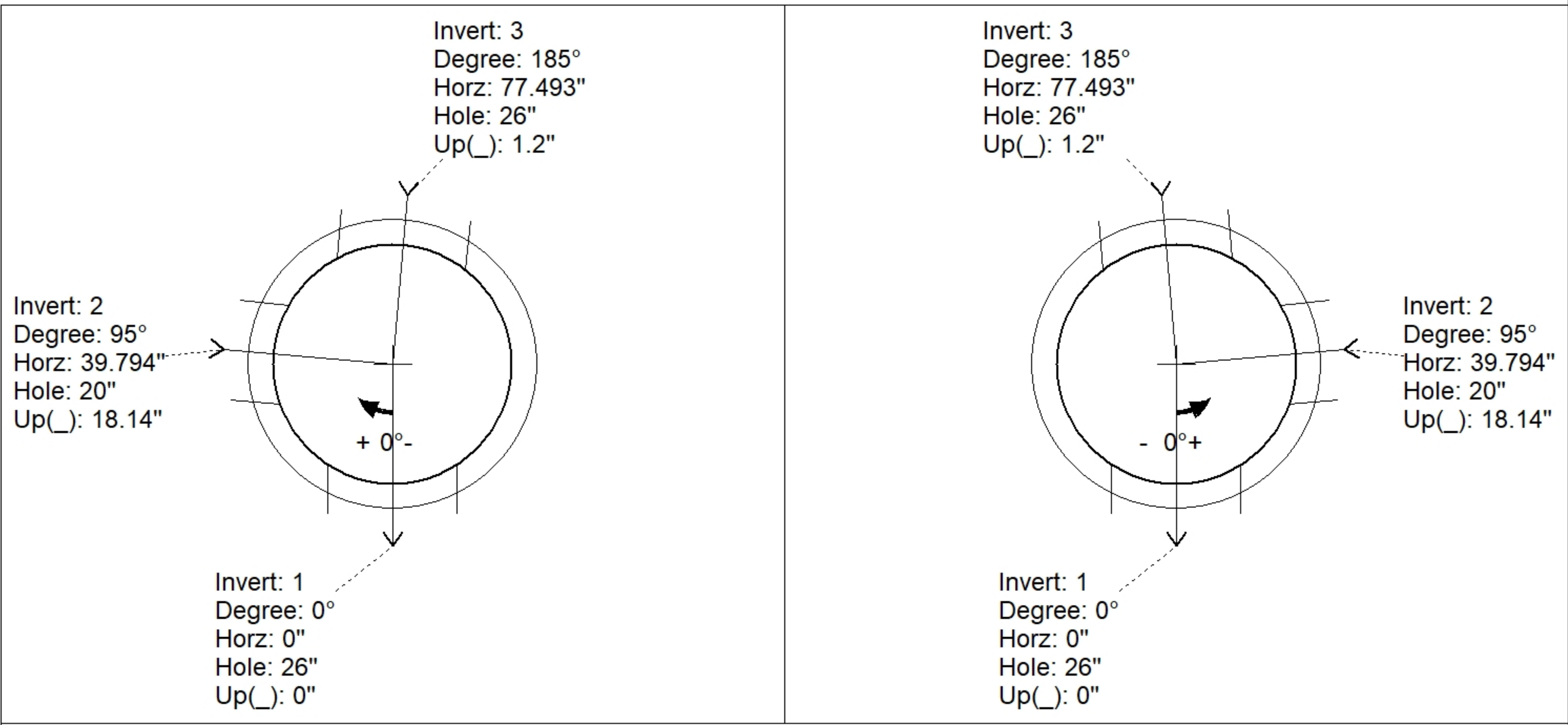
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

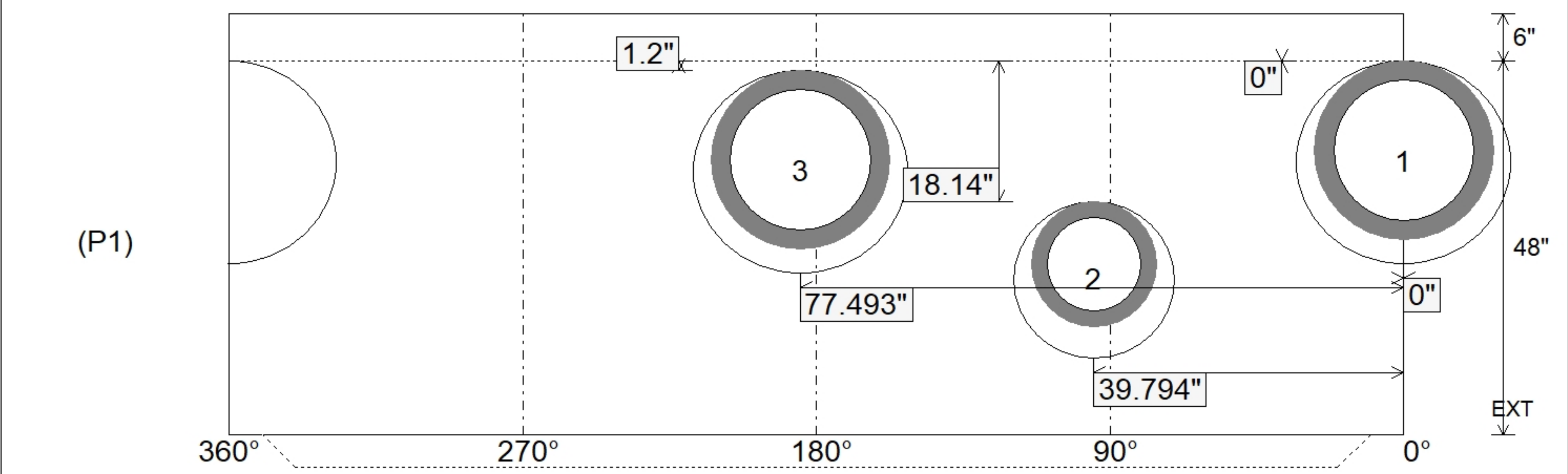
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	373.43'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"
Invert 2	374.9'	95°	48.084"	12" RCP B WALL	16"	Hole 20	20"	20.629"	18.14"	0"
Invert 3	373.53'	185°	93.637"	18" RCP B WALL	23"	Hole 26	26"	27.476"	1.2"	0"
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

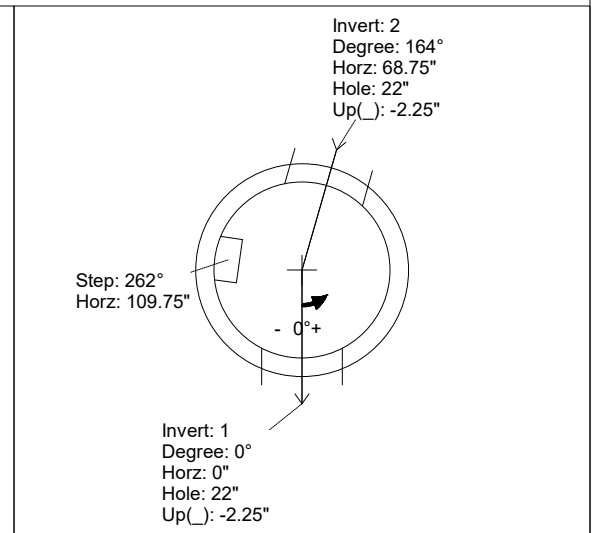
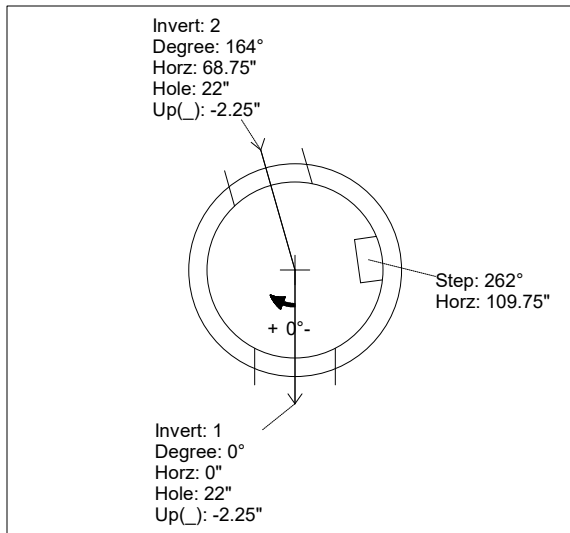
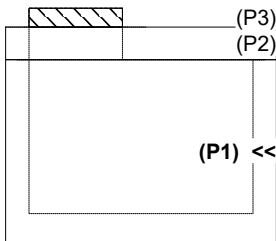
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

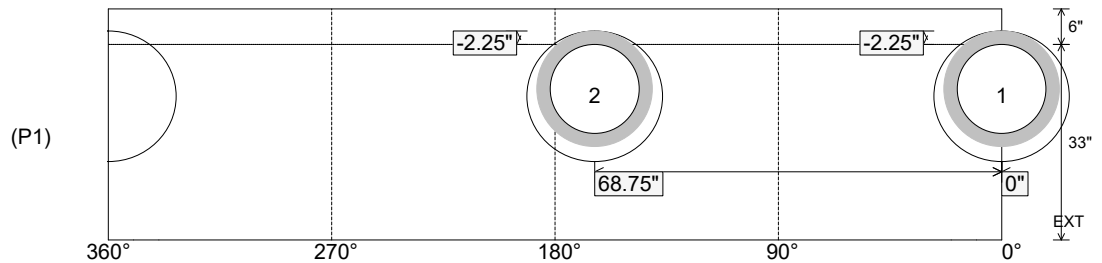
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	738'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2	738'	164°	83"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6									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

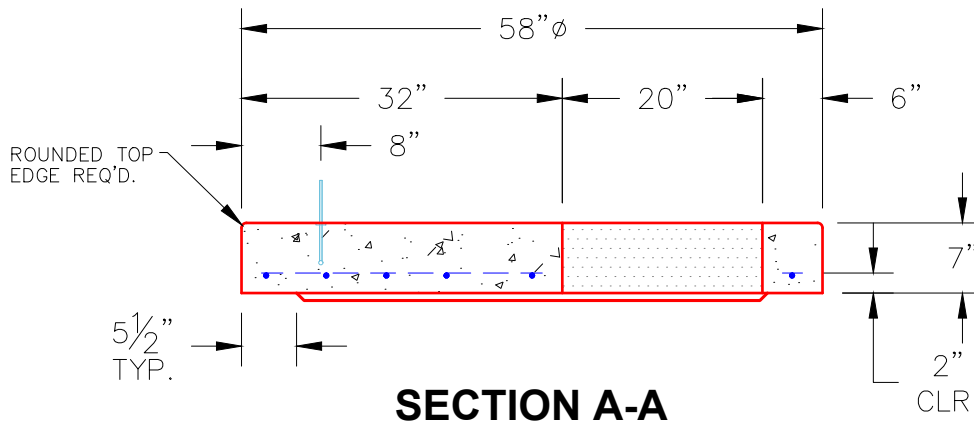
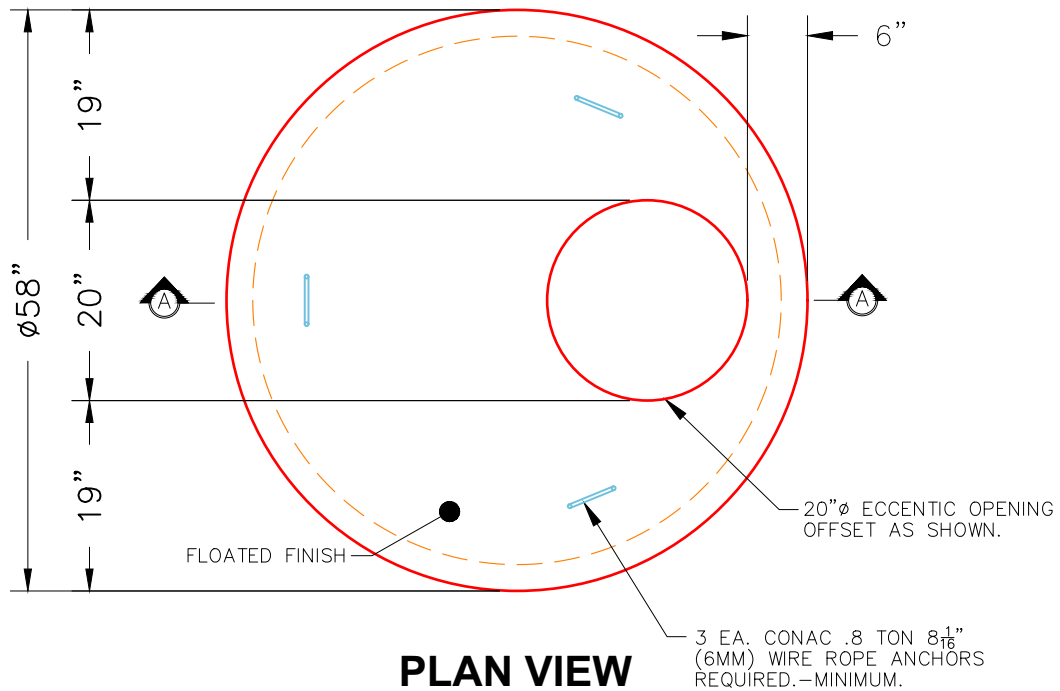
MH FLAT LID w/20in ECC Hole F/F

- 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
 5/5/2026 5:08:55 PM

Tech: J. Horsley - F
 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 Total: 9022 lb

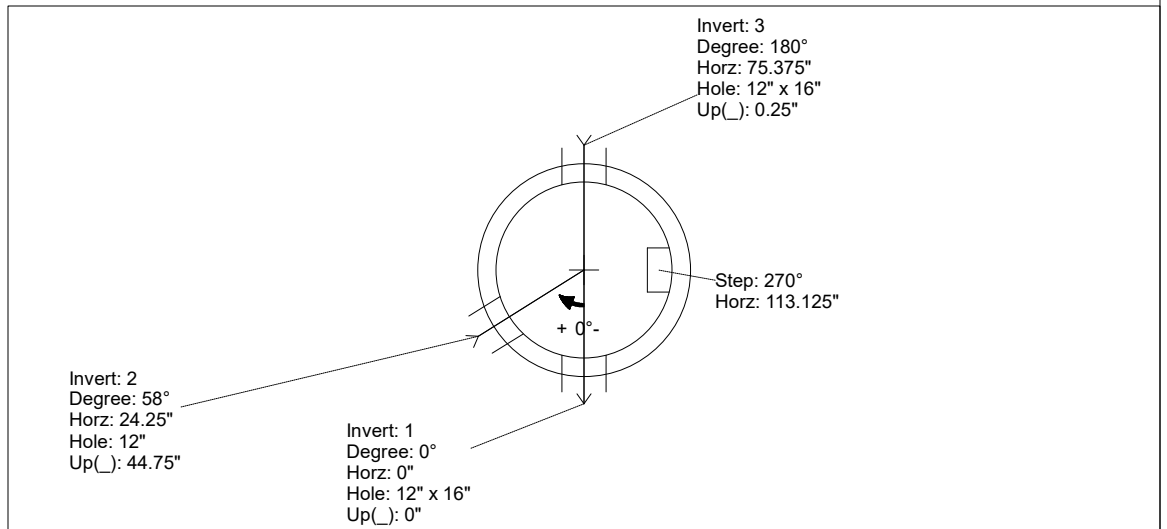
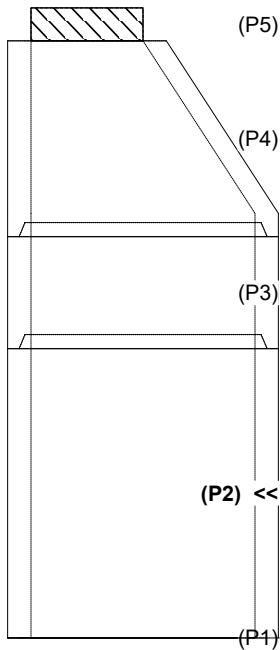
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING SUPPLIED BY OTHERS - MC-350

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

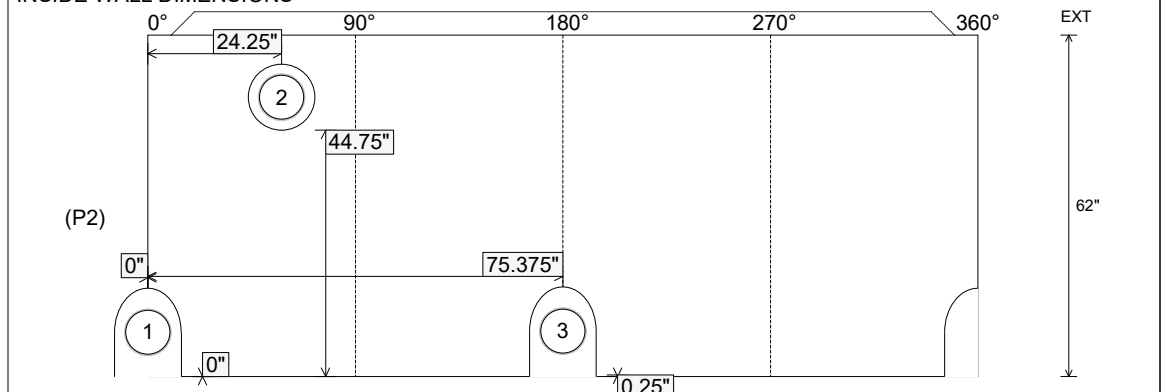
Rim: 738.5' Rim to Invert: 10.96' Slack: 0.52" Sump: 4" Step Position: 270°

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
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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

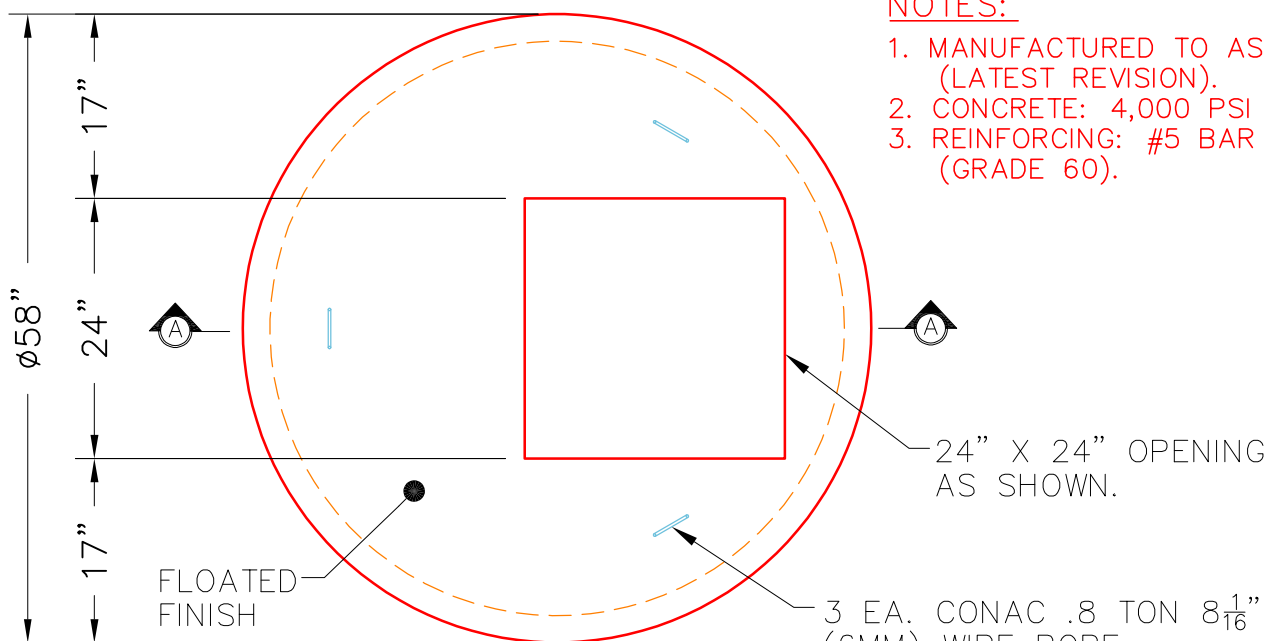
P3 MH048LD12-24SQ

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

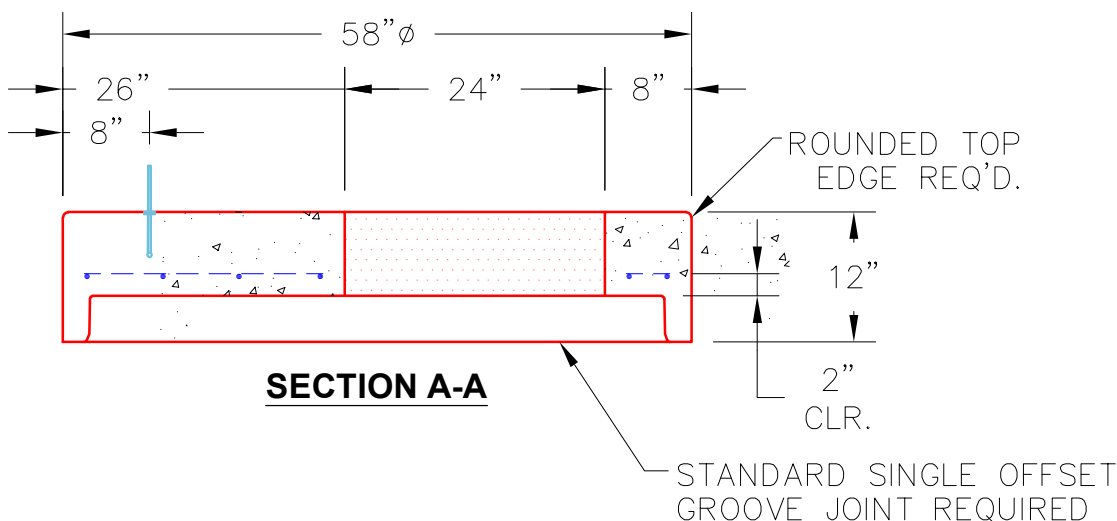
Structure Notes:
 4" CASTING BY OTHERS
 LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE
 ICAST TO INSTALL THE INTERNALS
 CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE
 BASE AND RISER TO BE MECHANICALLY ATTACHED PRIOR TO INSTALL OF INTERNALS



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

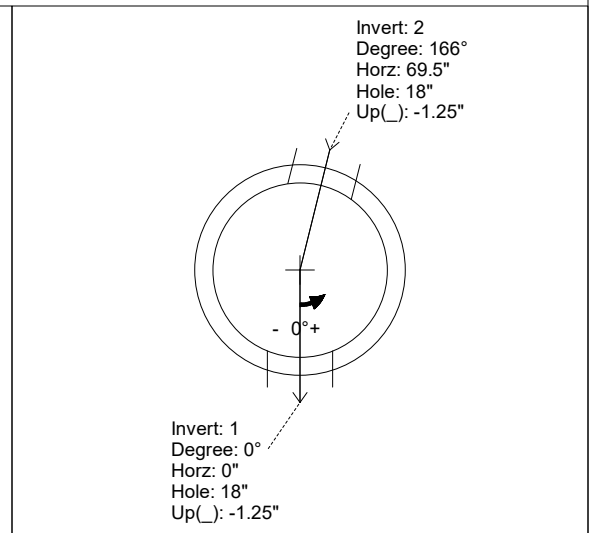
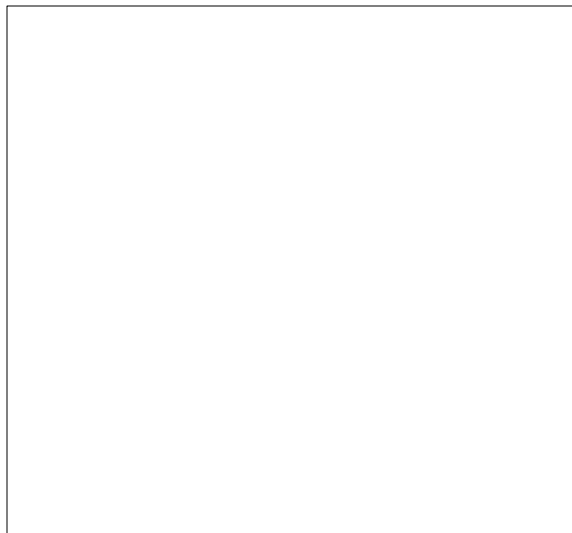
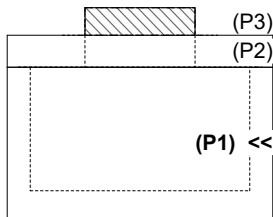
- Structure Notes:**
1. PER LOUISVILLE MSD / ASTM C-913 SPECS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. NO STORM INVERT
 5. NO STEPS
 6. HOE 360 FRAME, L-VANE GRATE, & CURB HOOD SUPPLIED BY ICAST

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

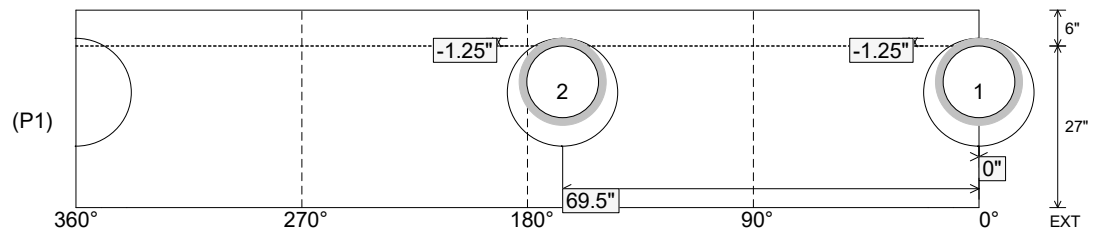
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	741.94'	0°	0"	12" ADS N-12	14.5"	Hole 18	18"	18.451"	-1.25"	0"
Invert 2	741.94'	166°	84"	12" ADS N-12	14.5"	Hole 18	18"	18.451"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6							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

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:

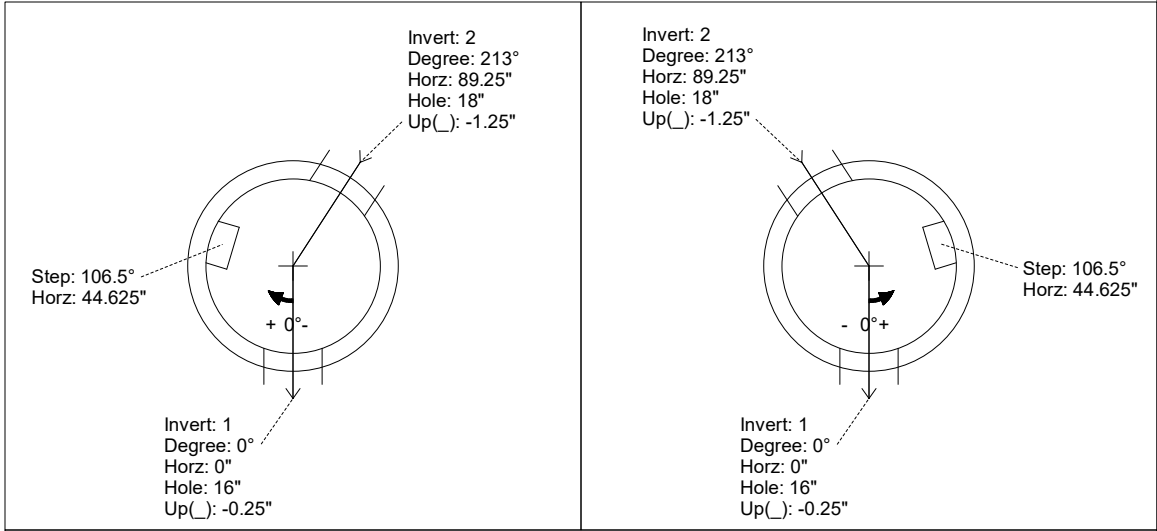
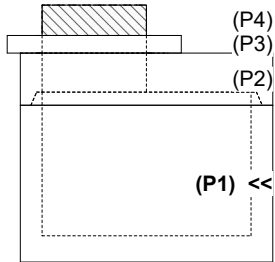
1. PER LOUISVILLE MSD / ASTM C-478 SPECS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. NO STORM INVERT
5. STEPS AT 106.5 DEGREES
6. HOE MC-420 FRAME & COVER "STORM MSD" SUPPLIED BY ICAST

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

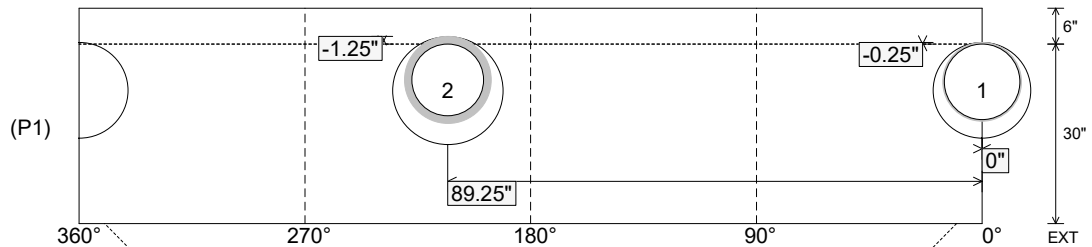
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	742.43'	0°	0"	12" DI	13.2"	Hole 16	16"	16.312"	-0.25"	0"
Invert 2	742.43'	213°	107.75"	12" ADS N-12	14.5"	Hole 18	18"	18.451"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6									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

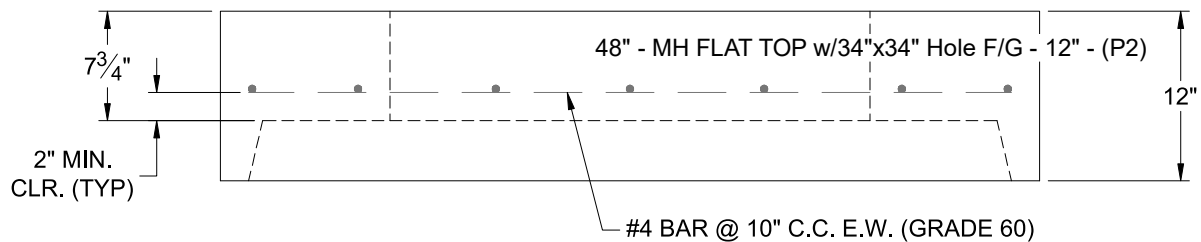
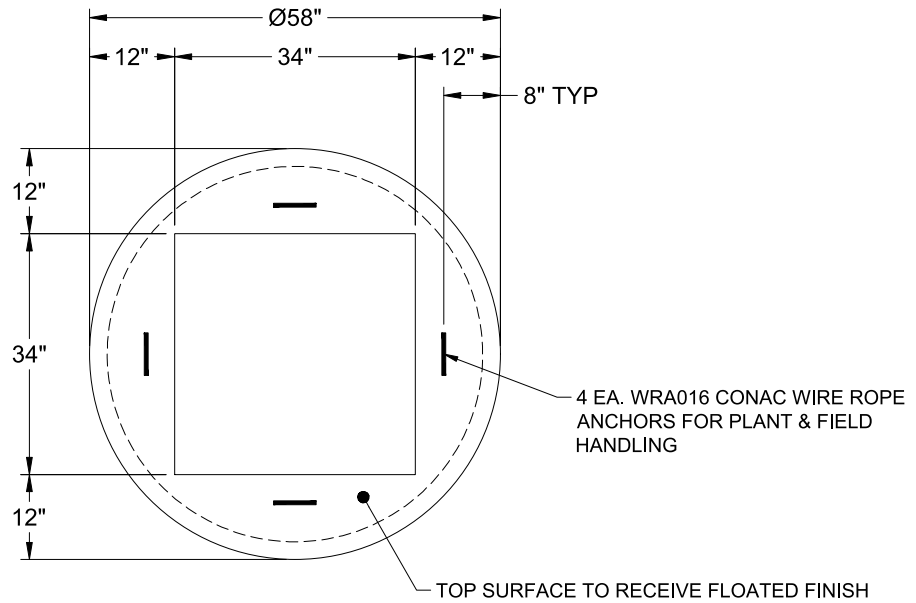
MH FLAT TOP w/34"x34" Hole F/G

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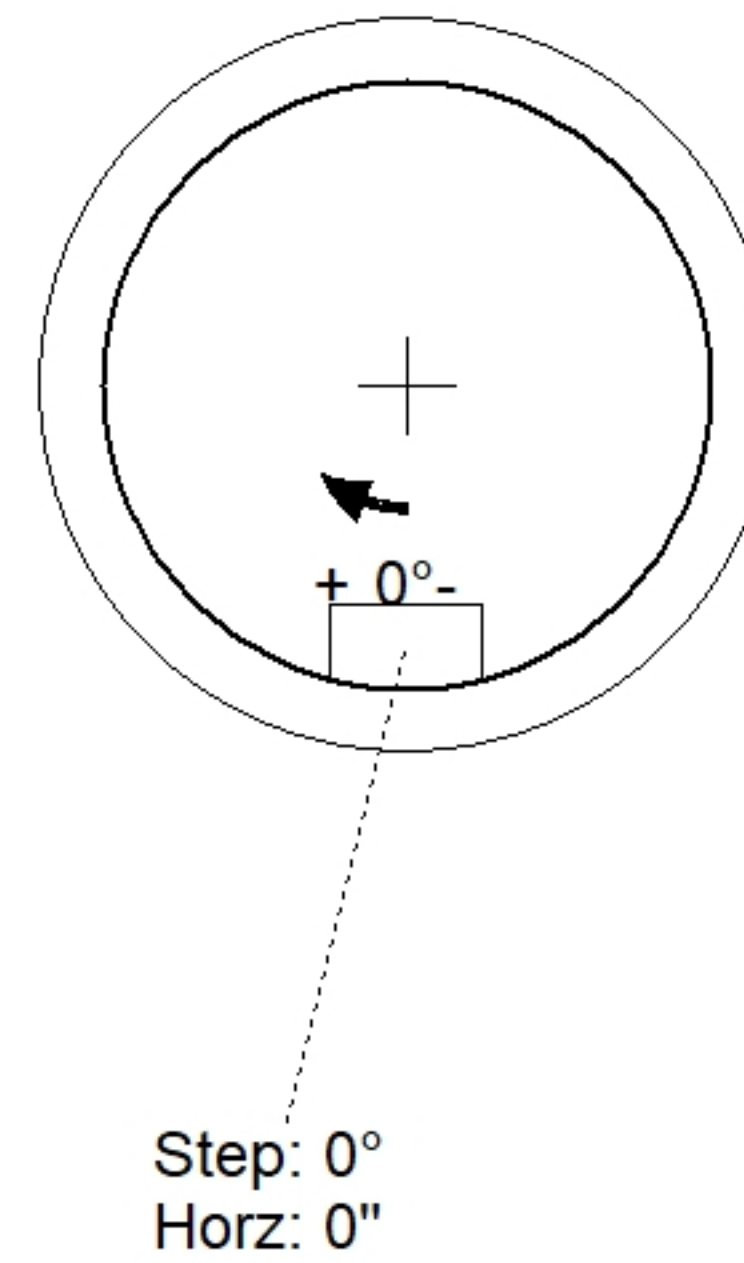
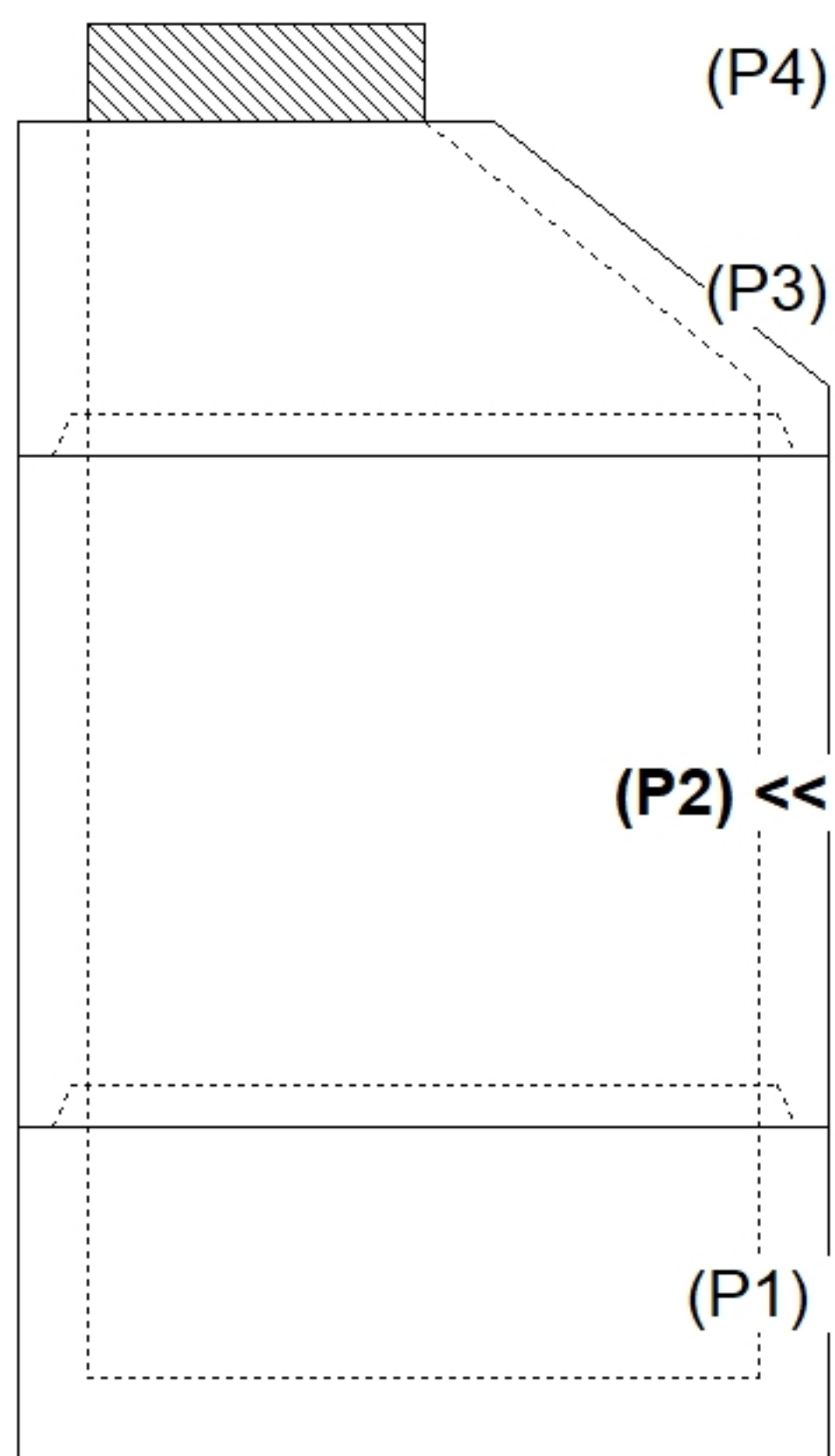
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY OTHERS.

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

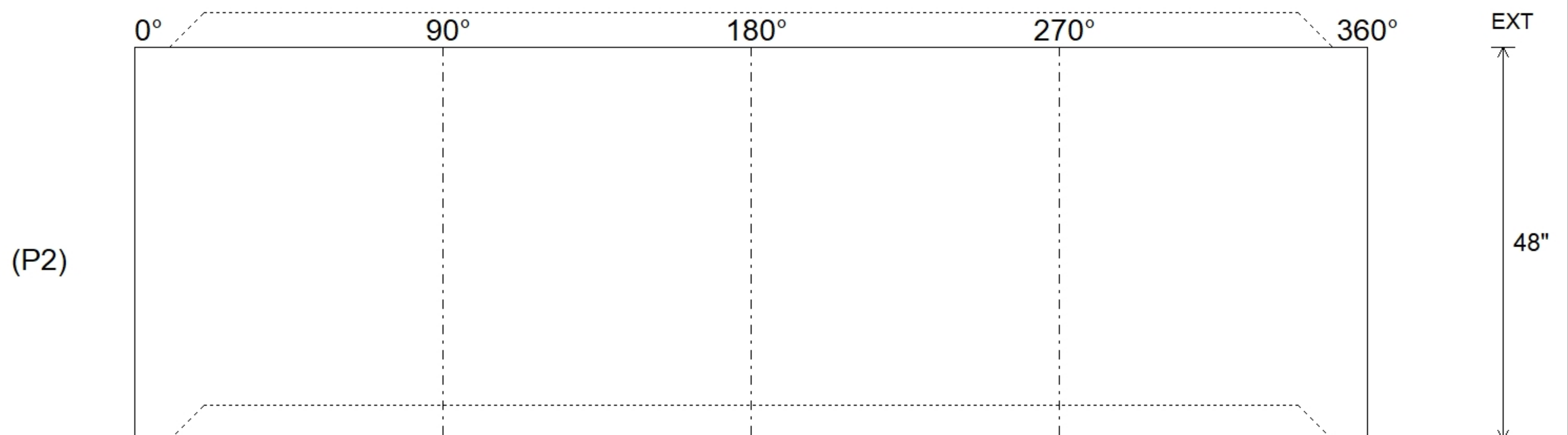
Rim: 480.58' Rim to Invert: 8.13' Slack: 2.56" Sump: 2" Step Position: 0°

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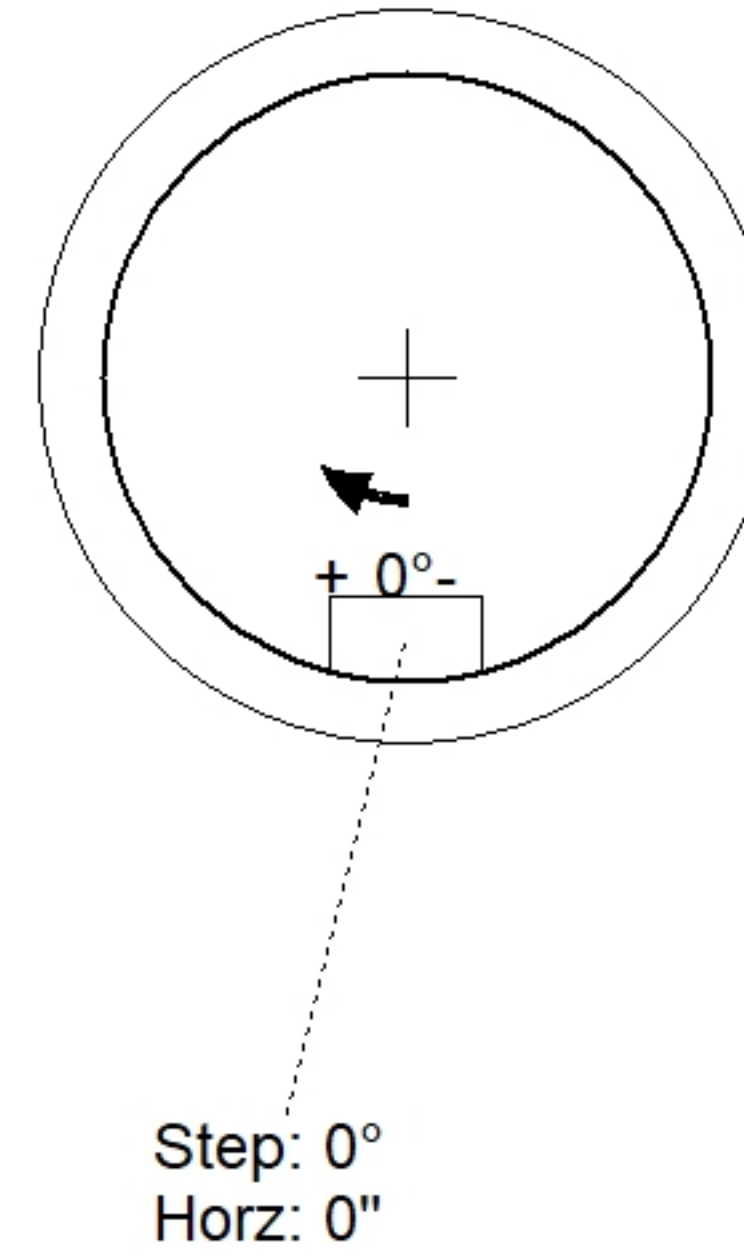
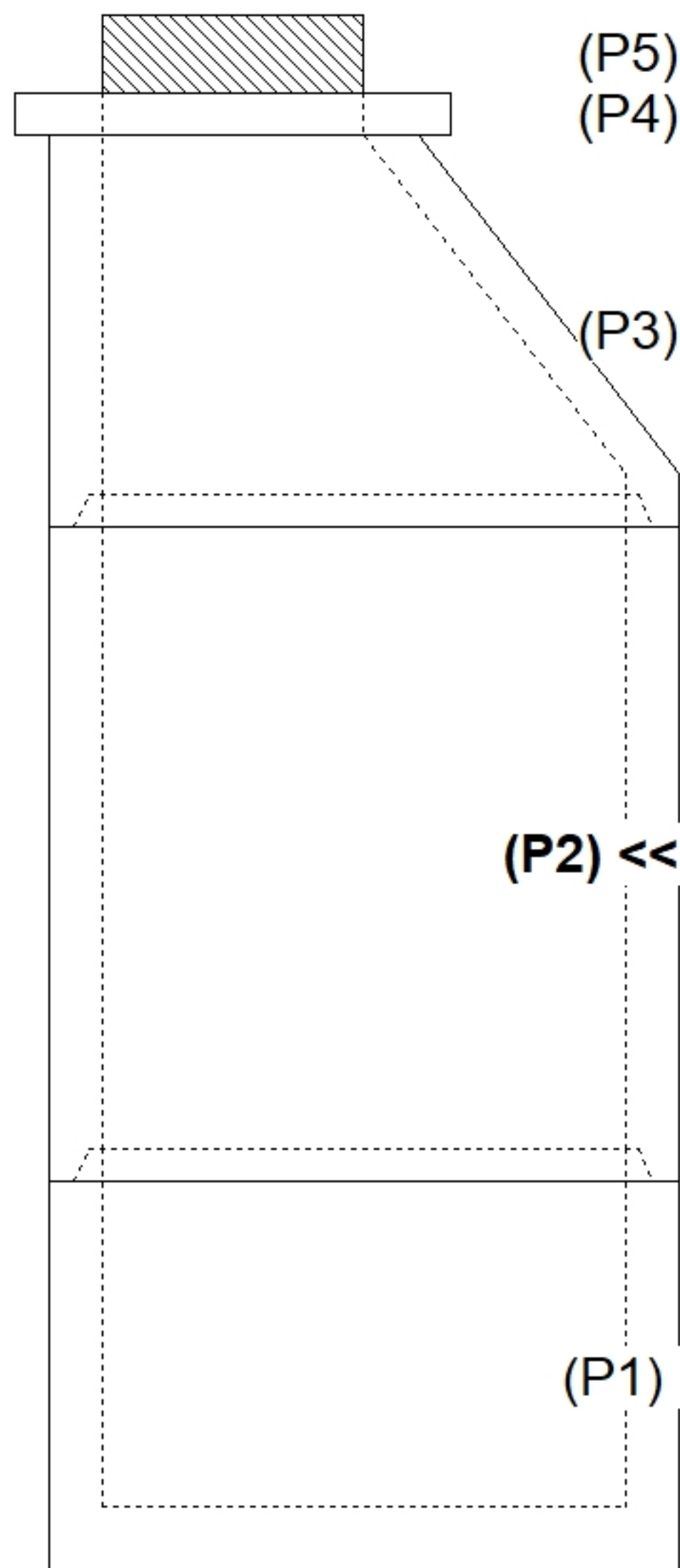
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY OTHERS.

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

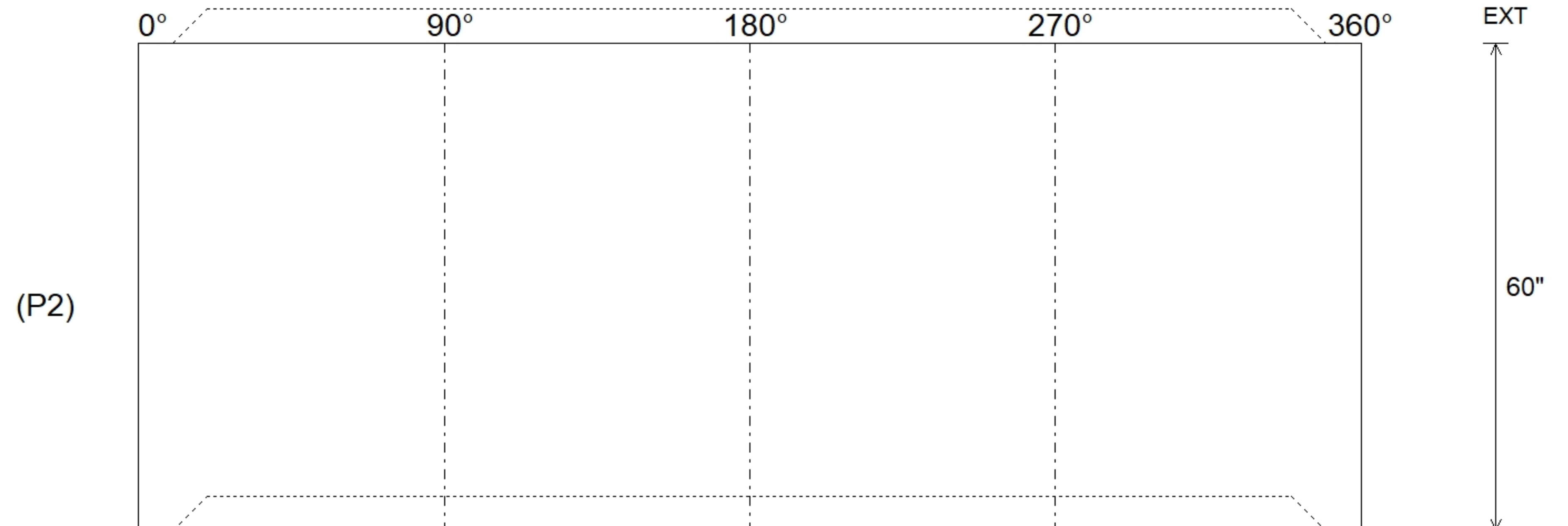
Rim: 482.67' Rim to Invert: 11.35' Slack: 1.2" Sump: 2" Step Position: 0°

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): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 60" Height (Ext): 60"	Weight (Net): 4192 lb Volume (Net): 1.07cu.yd
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Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

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

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S209

P2 MH048LD12S

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

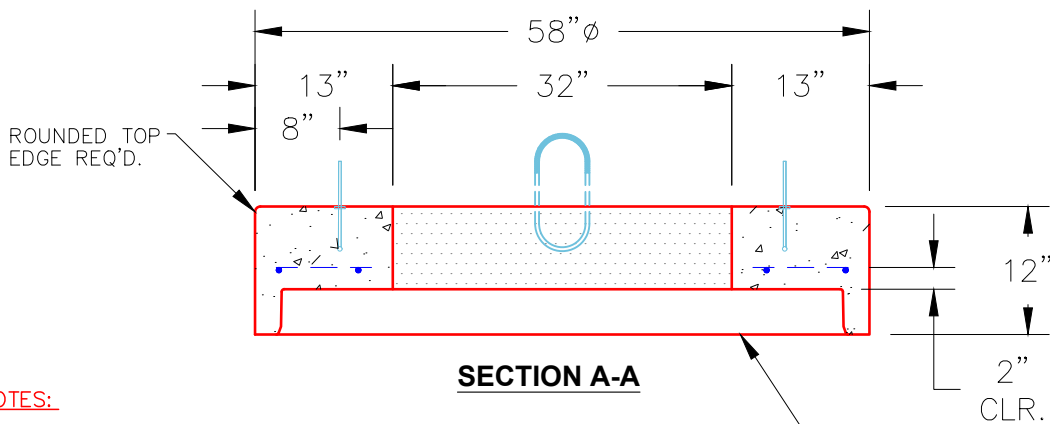
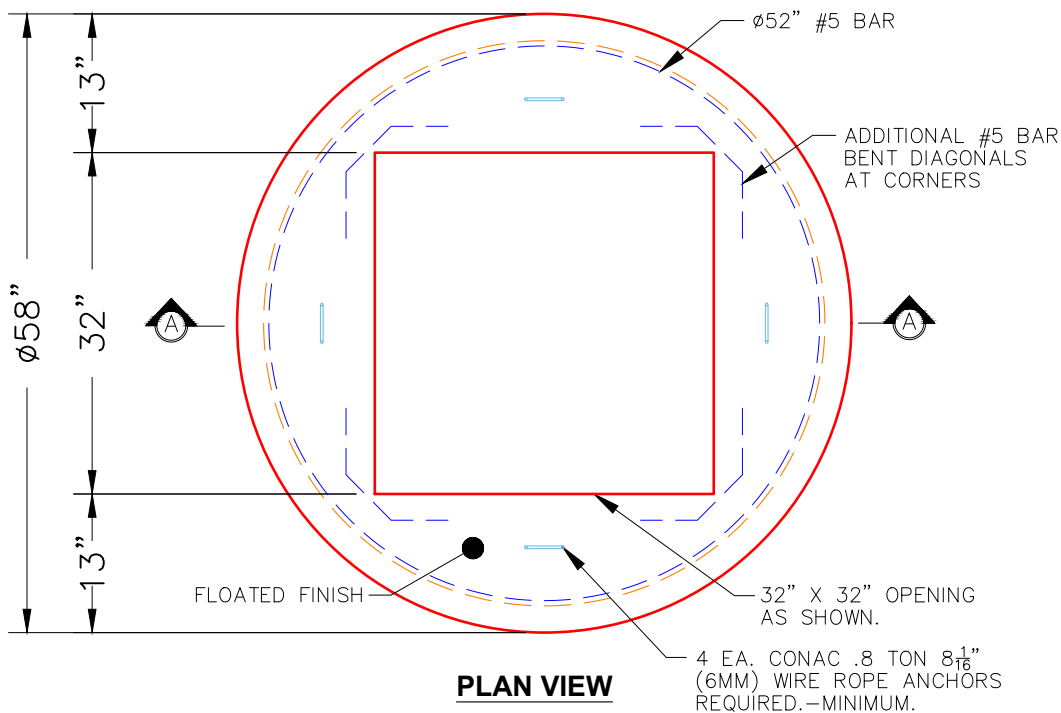
- P3) 32" x 32" - CASTING HEIGHT - 3"
- P2) 48" - MH FLAT TOP w/32"x32" Hole F/G - 12"
- P1) 48" - MH BASE Custom Ht T/n - 21"
- 1) CASTING - HOE 595 F/G
- 1) 48" - Conseal CS-102 1.00"
- 1) 32" x 32" - Conseal CS-102 1.00"
- 1) Hole - 16

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).

STANDARD SINGLE OFFSET GROOVE JOINT REQUIRED

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**

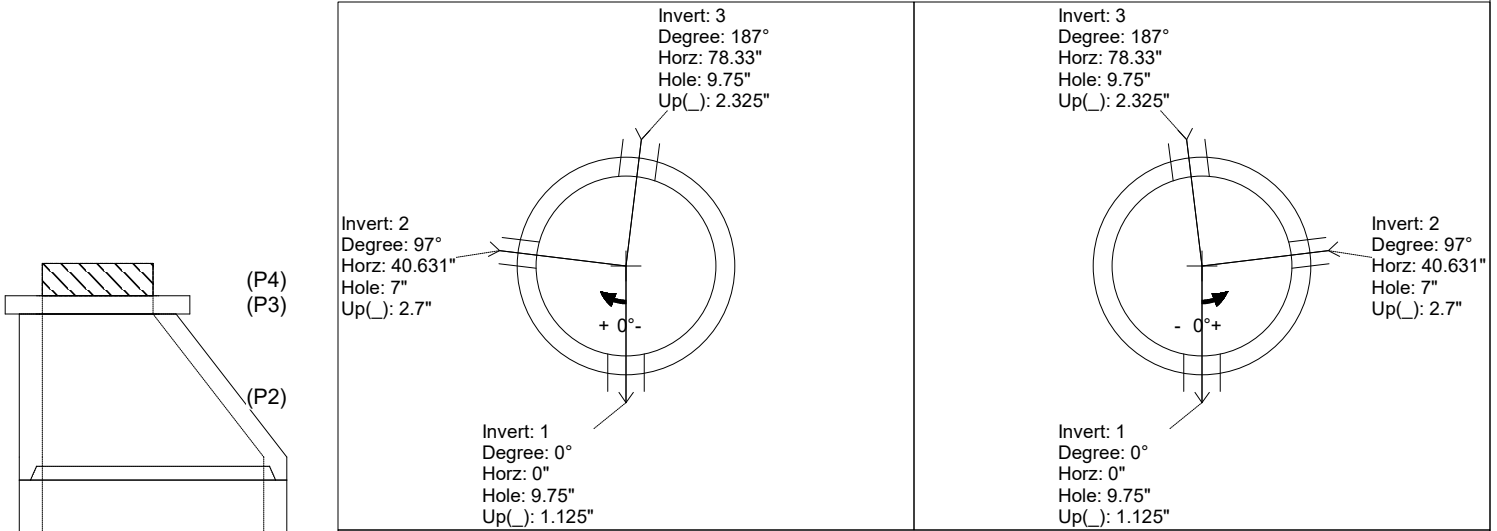
Structure Total: 7641 lb

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

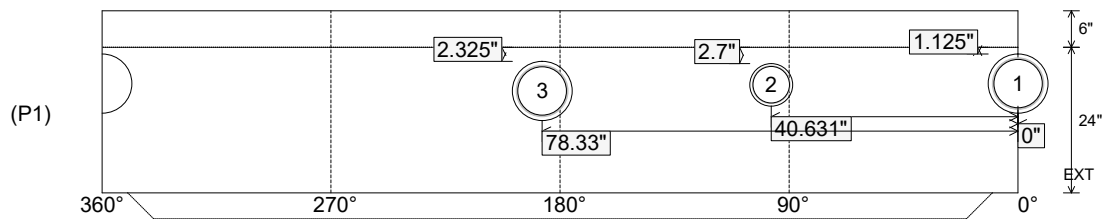
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	866.77'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	866.87'	97°	49.096"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.7"	0"
Invert 3	866.87'	187°	94.649"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"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

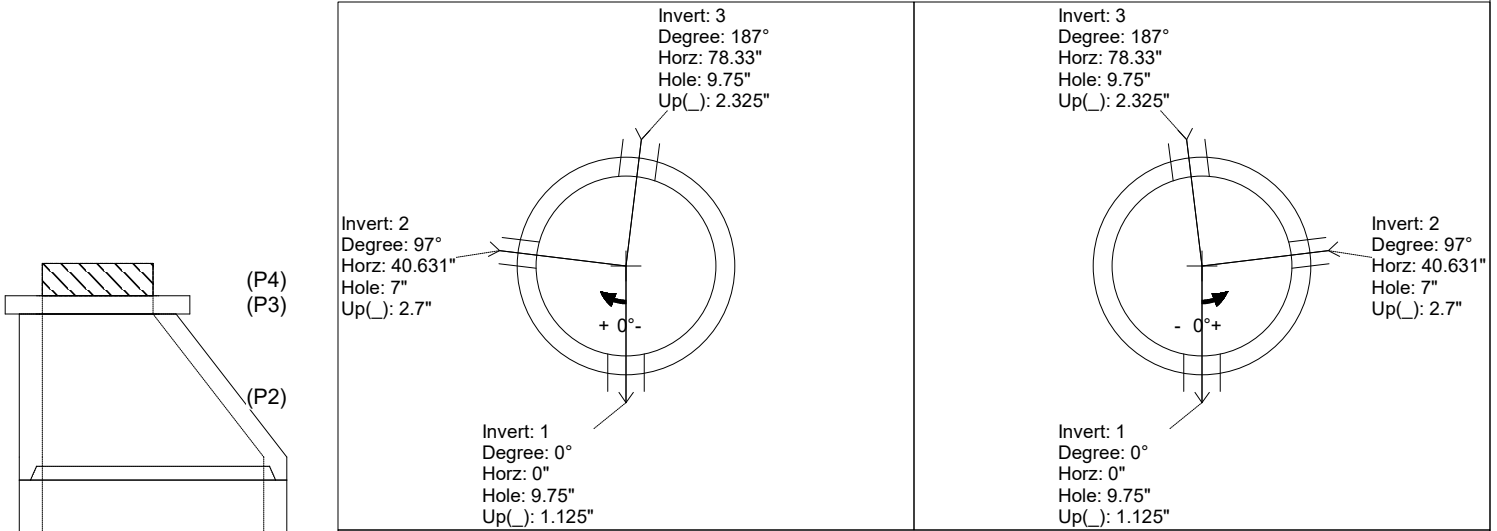
**INVERT CHANNEL DRAWING
 FULL HEIGHT INVERT**

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

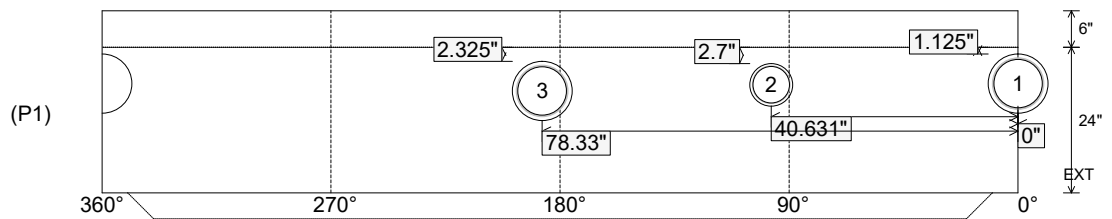
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	866.77'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	866.87'	97°	49.096"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.7"	0"
Invert 3	866.87'	187°	94.649"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	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
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Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY OTHERS.

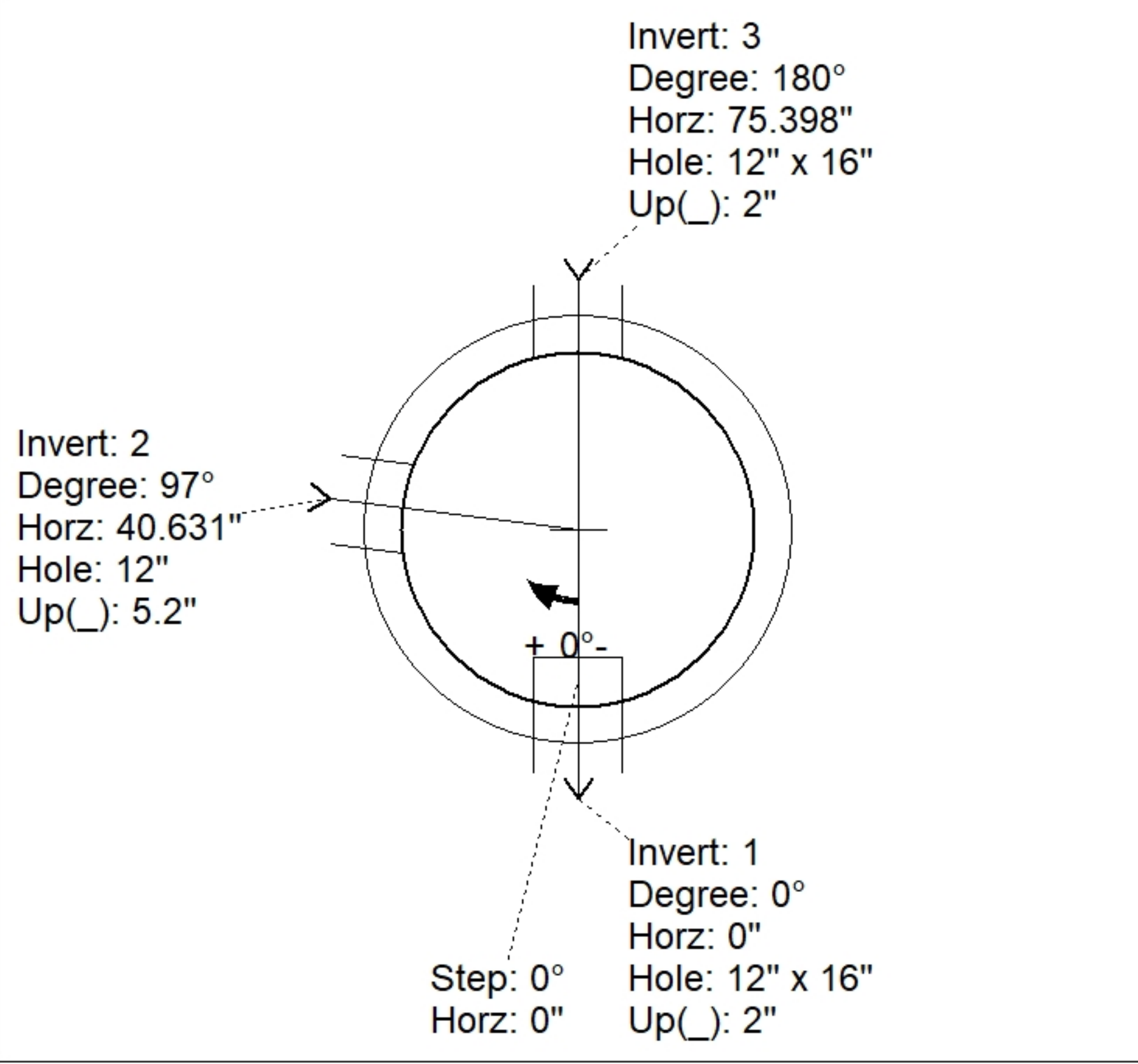
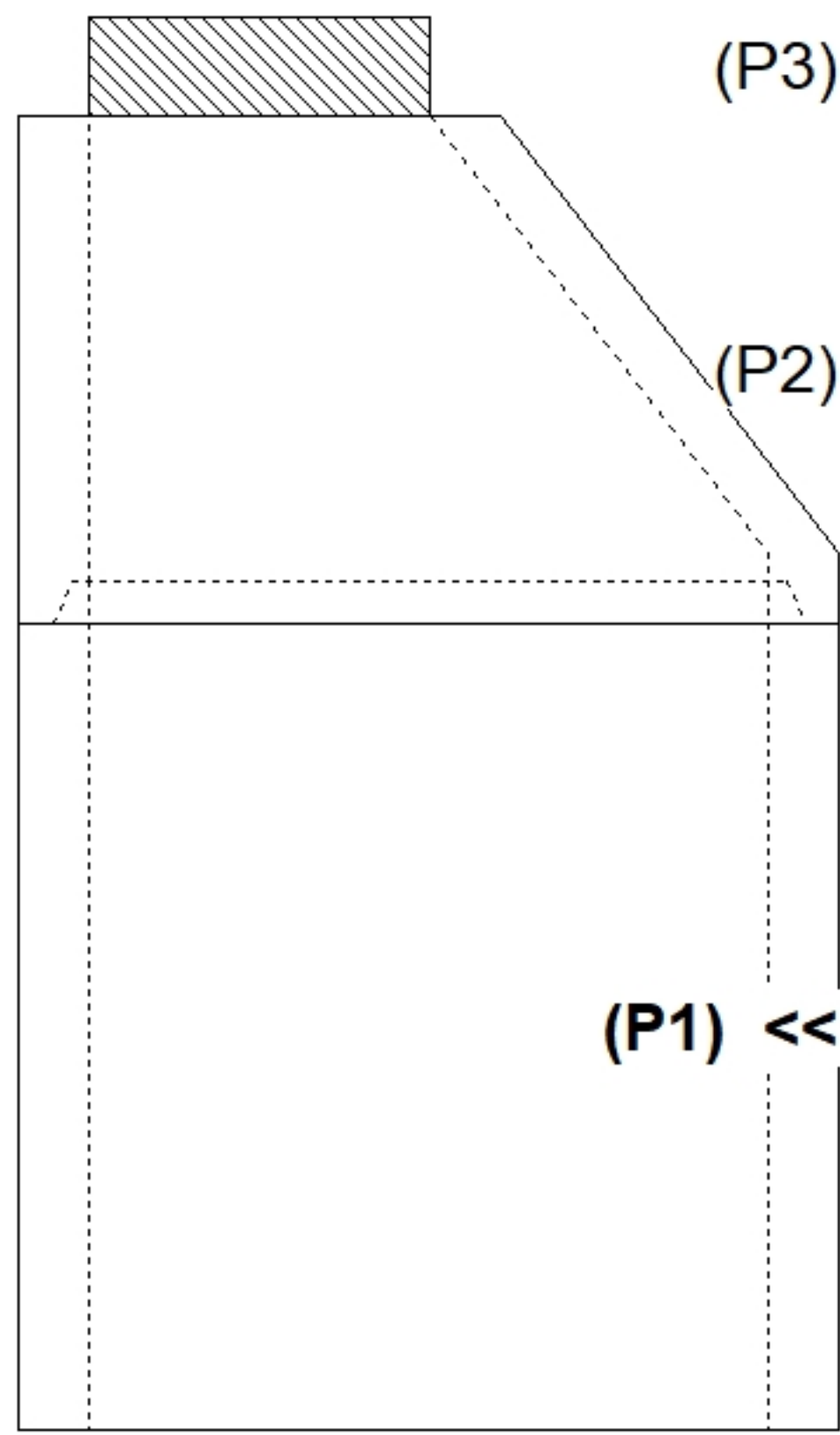
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)

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

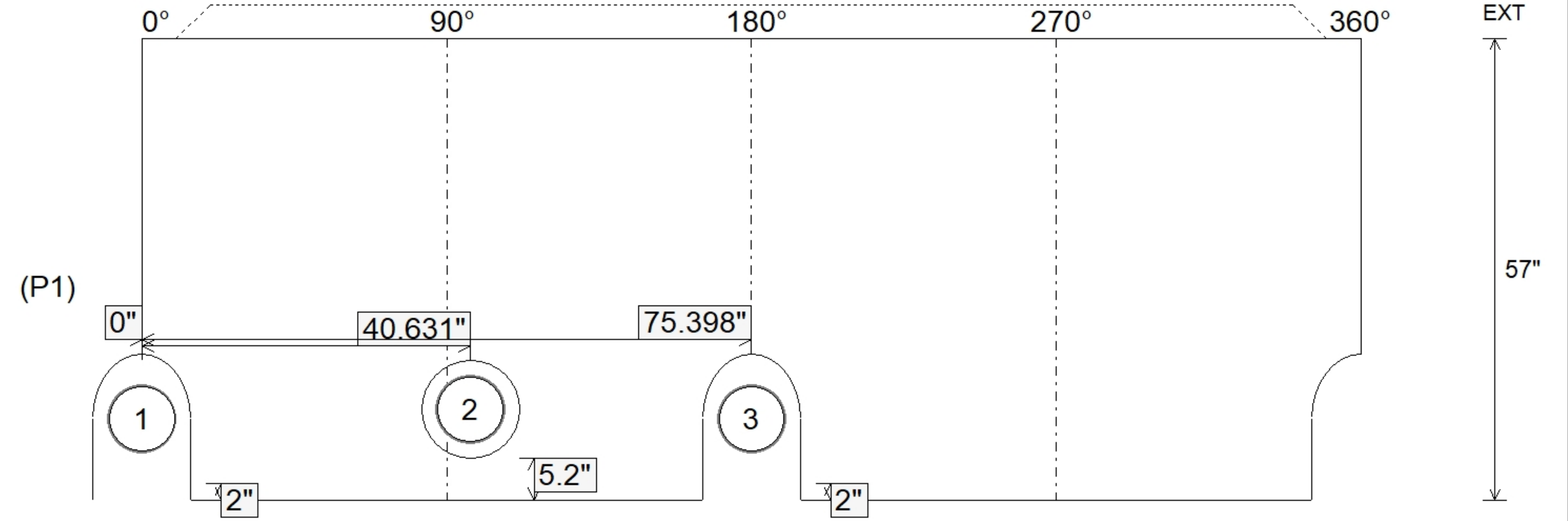
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	469.65'	0°	0"	8" PVC SDR35	8.5"	DOGHOUSE 12"x16"	12" x 16"	12.129"	2"	0"
Invert 2	469.75'	97°	49.096"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	5.2"	0"
Invert 3	469.65'	180°	91.106"	8" PVC SDR35	8.5"	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)



INSIDE WALL 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
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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
Structure Total:	7076 lb

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

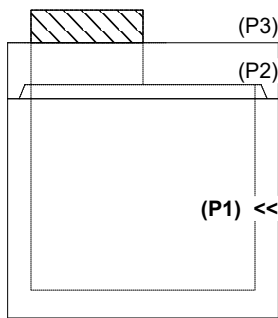
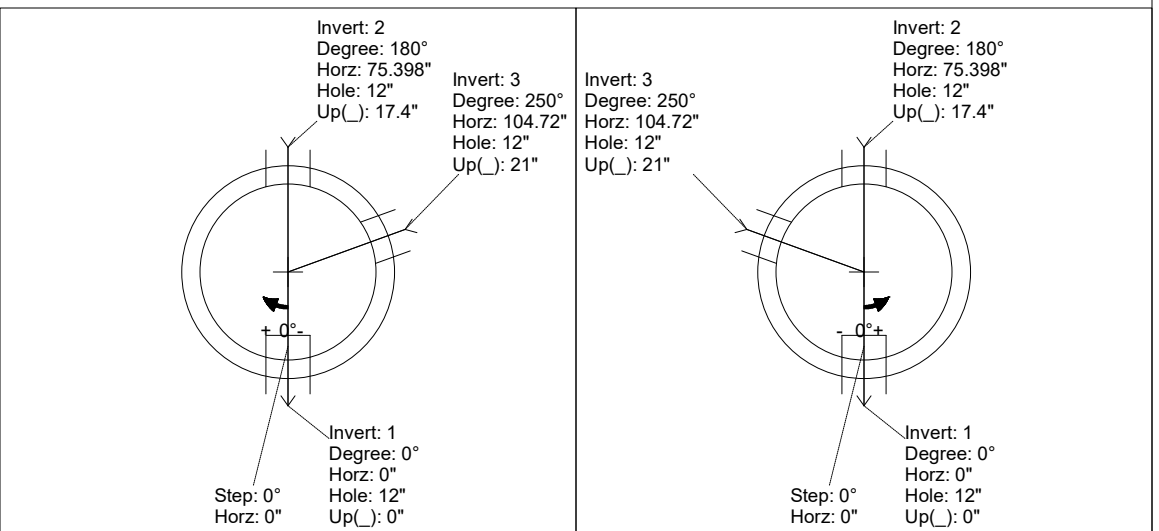
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

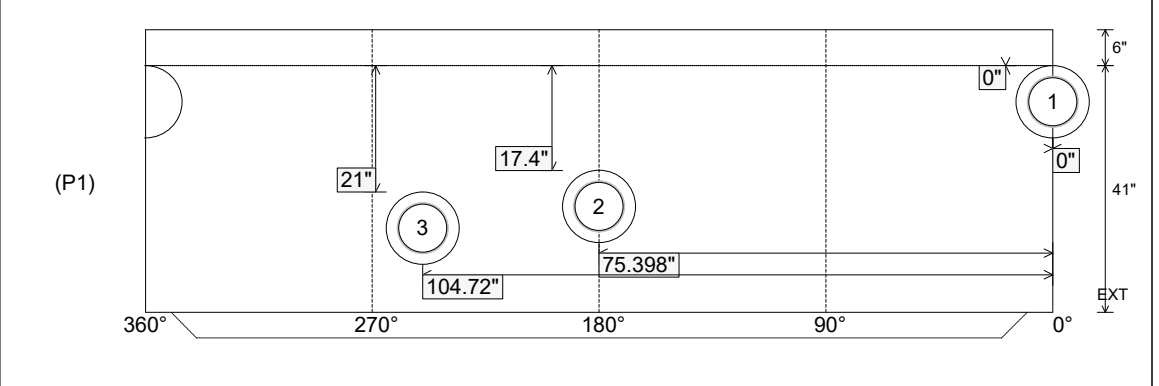
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	475.1'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	476.55'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	17.4"	0"
Invert 3	476.85'	250°	126.536"	8" PVC SDR35	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
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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"
- P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
- P1) 48" - MH BASE Custom Ht T/n - 41"
- 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)
- 3) PSX - 12-08 DD (DBL Bands)
- 3) MH Step ML-10-TDS-NCR - 10"

0 lb
 1561 lb
 4051 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 24 lb
 0 lb

 Structure Total: 7076 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).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

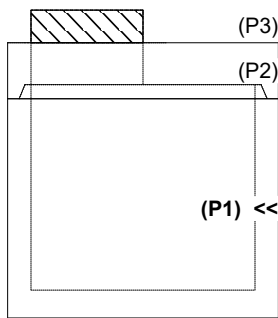
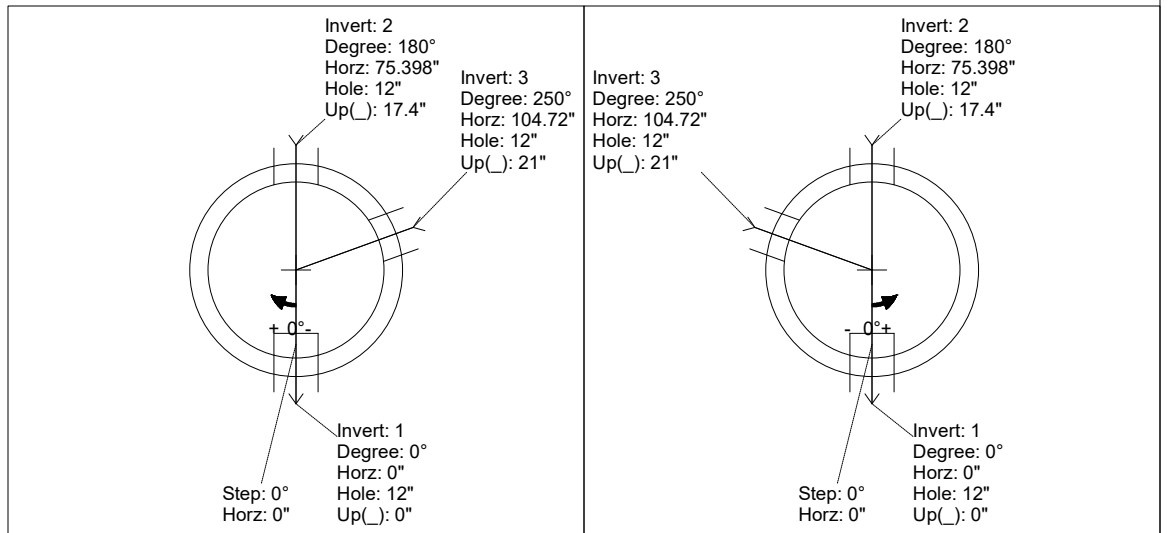
Invert channel drawing - full height invert

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

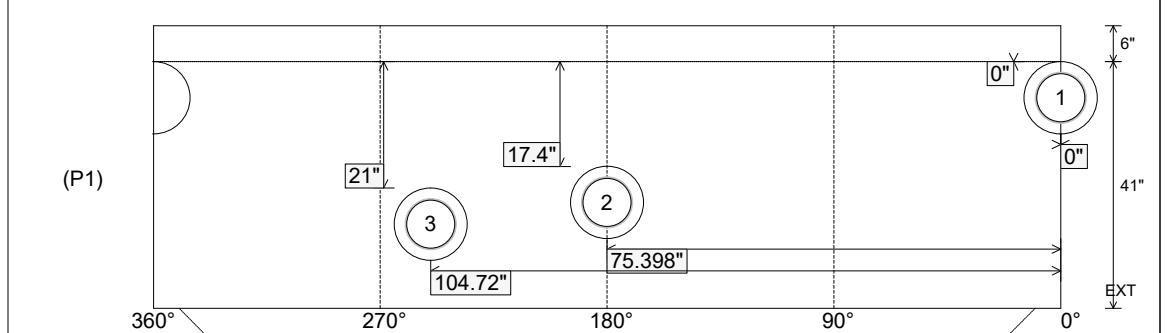
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	475.1'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	476.55'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	17.4"	0"
Invert 3	476.85'	250°	126.536"	8" PVC SDR35	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
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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
Structure Total:	8851 lb

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

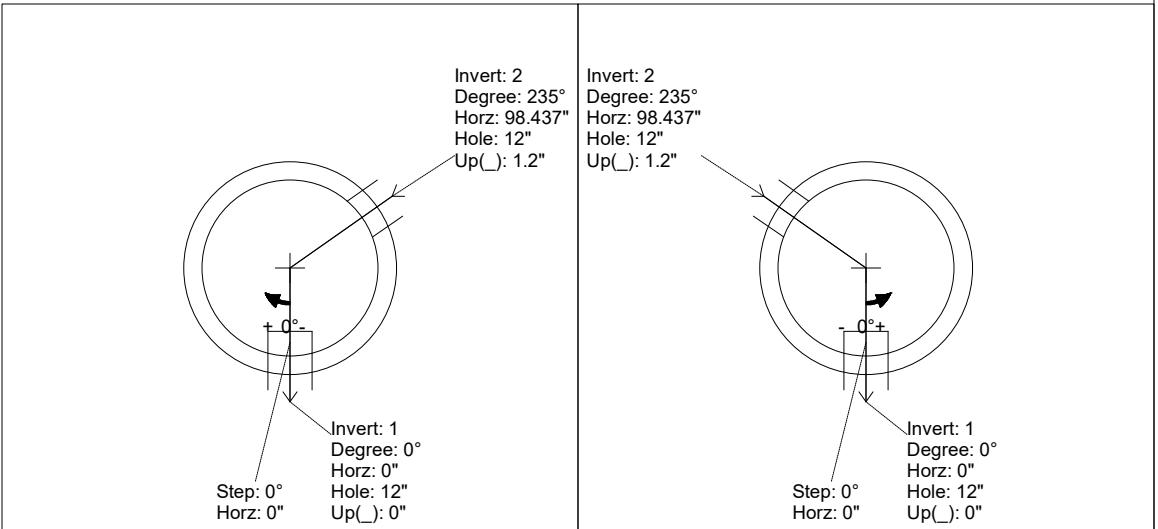
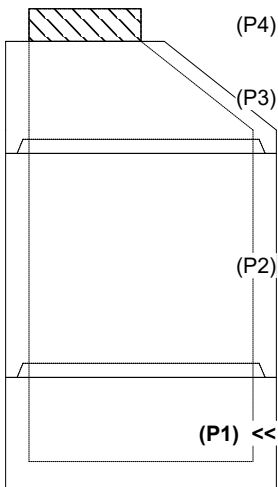
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

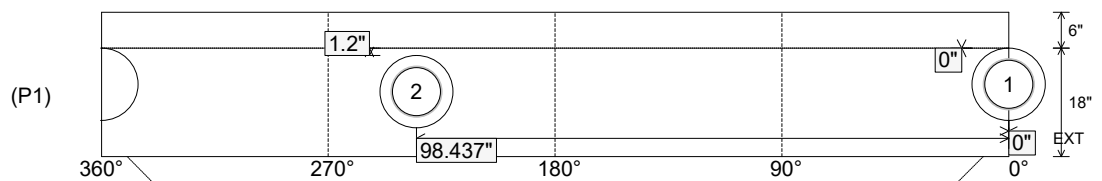
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	472.11'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	472.21'	235°	118.944"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert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

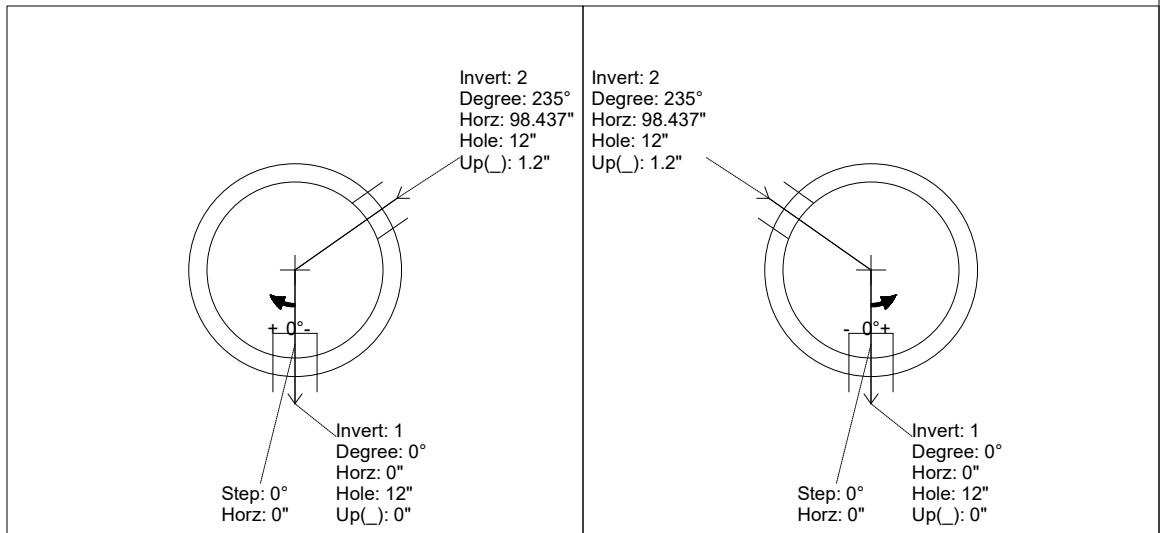
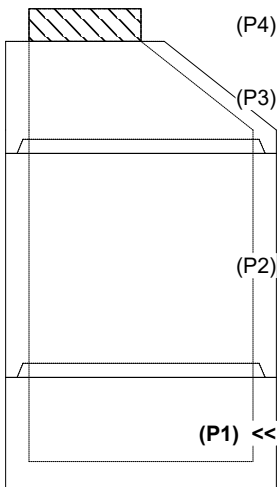
Invert channel drawing - full height invert

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

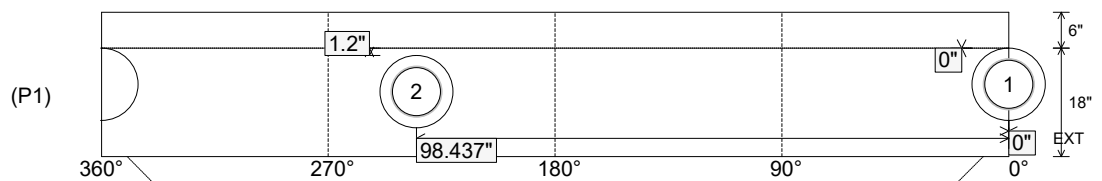
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	472.11'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	472.21'	235°	118.944"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert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

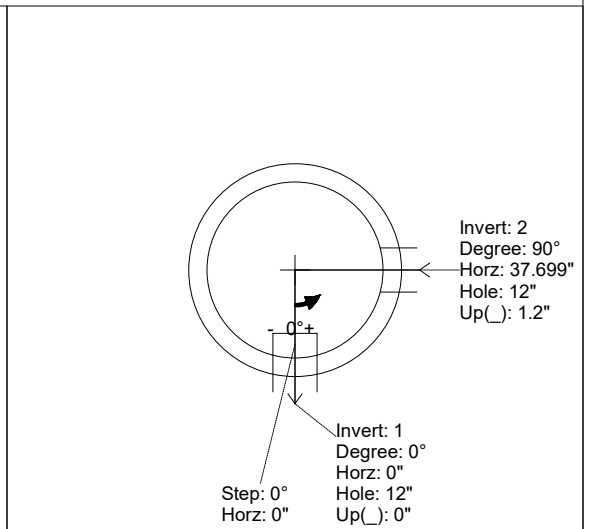
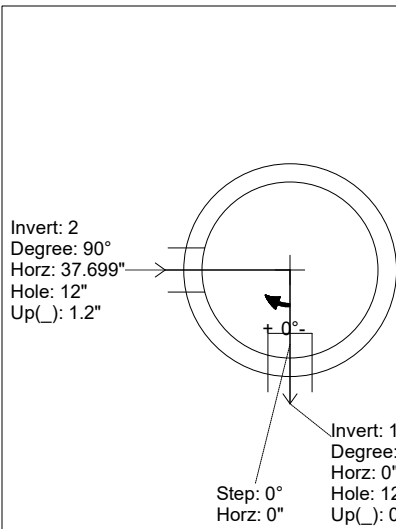
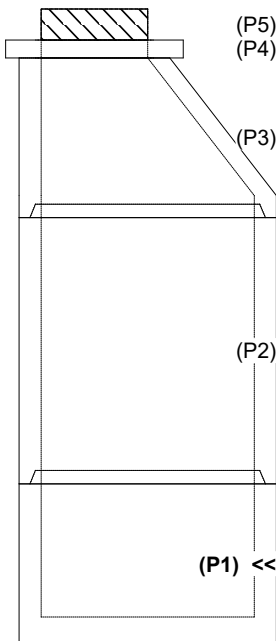
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

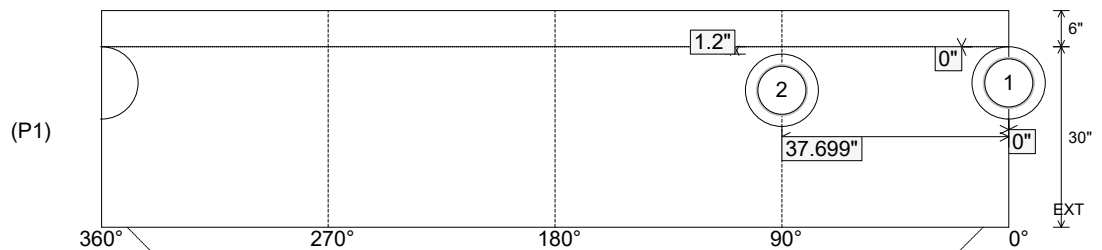
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	471.32'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	471.42'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert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

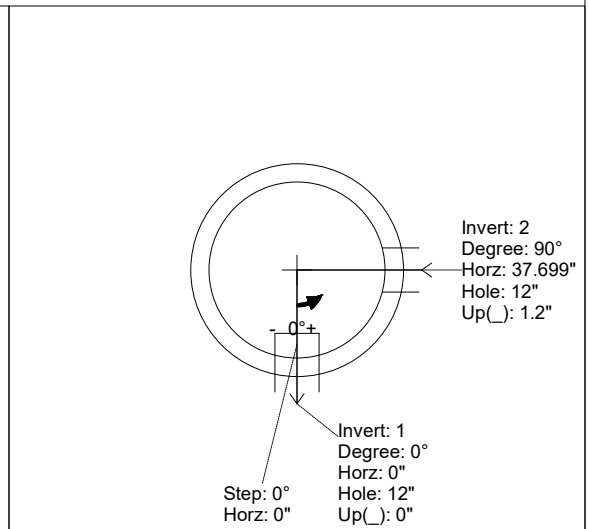
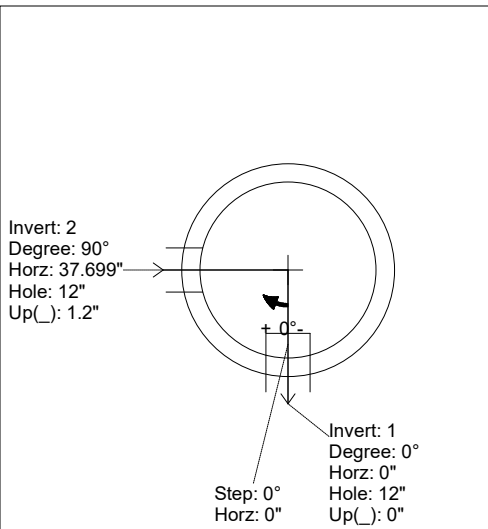
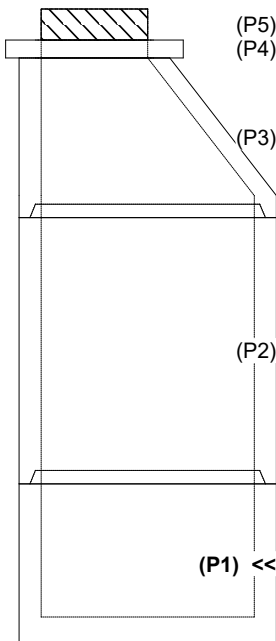
Invert channel drawing - full height invert

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

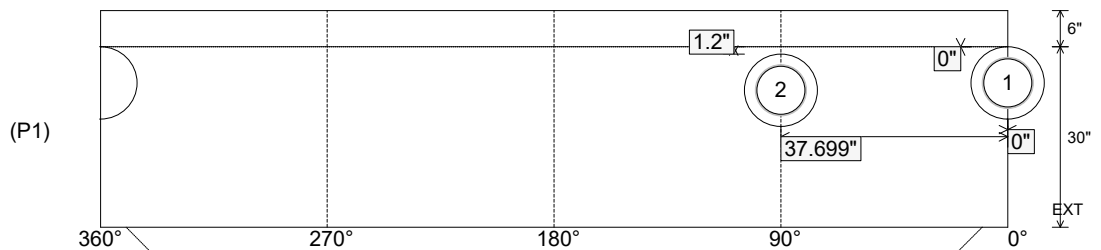
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	471.32'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	471.42'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert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

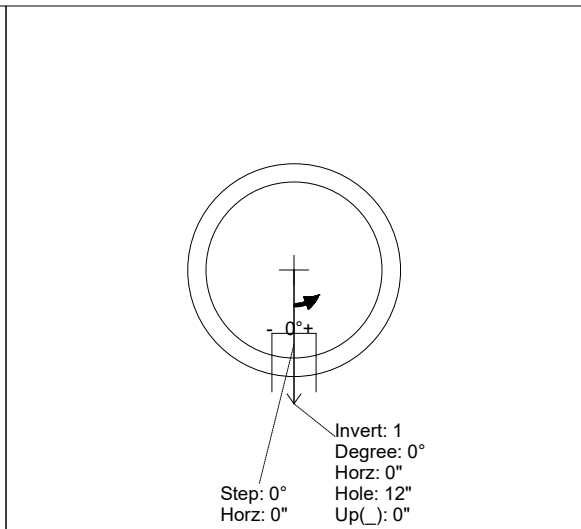
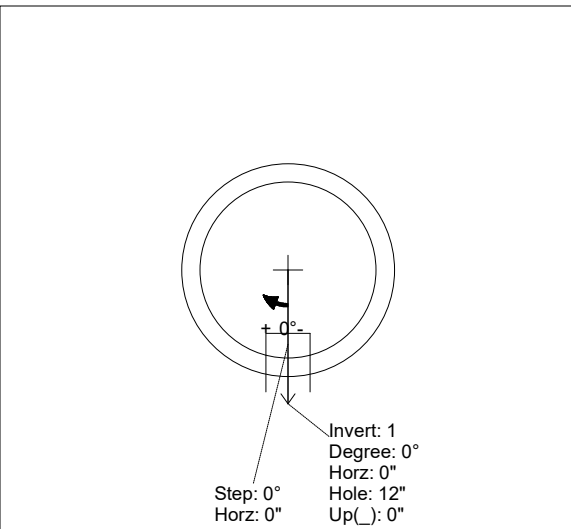
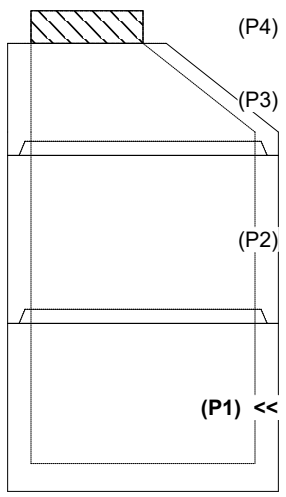
 REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

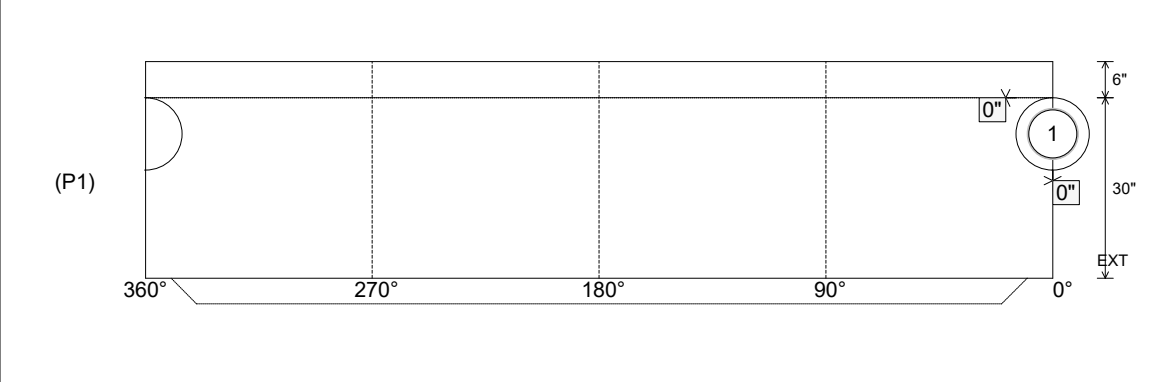
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	375.55'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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.

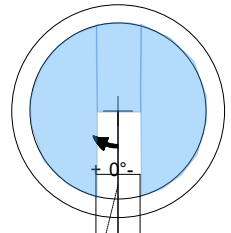
Rim: 383.5' Rim to Invert: 7.95' Slack: 0.4" Sump: 2" Step Position: 0°

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										

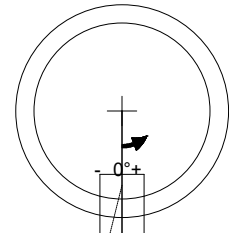
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

FOR INVERT ONLY

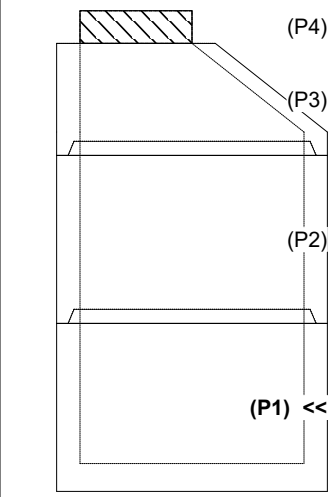
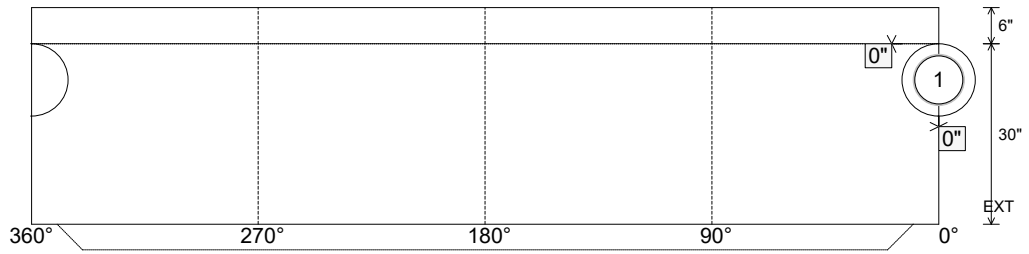


Invert: 1
 Degree: 0°
 Horz: 0"
 Hole: 12"
 Up(): 0"
 Step: 0°
 Horz: 0"



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

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 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)

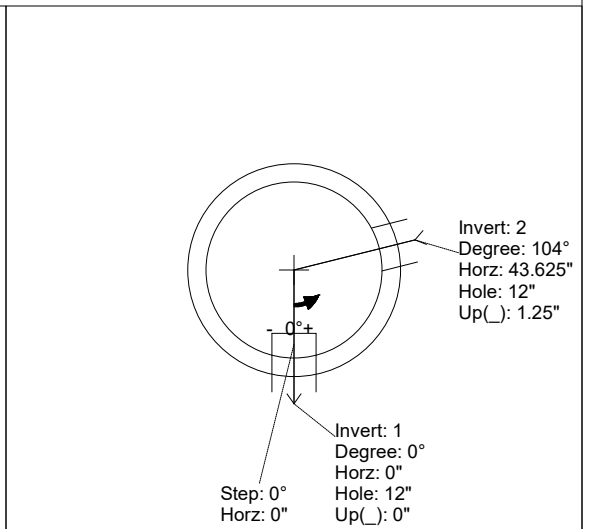
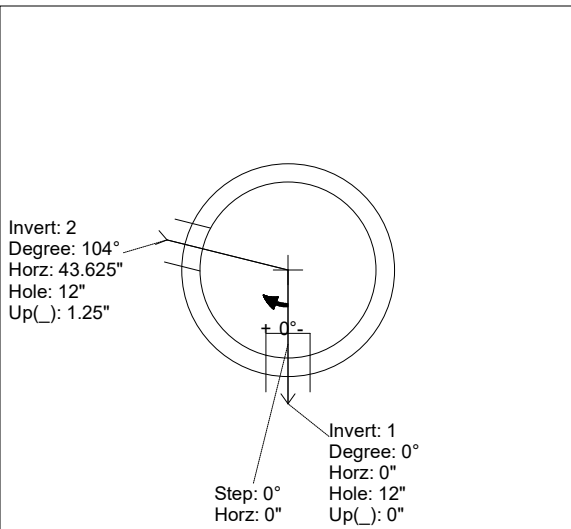
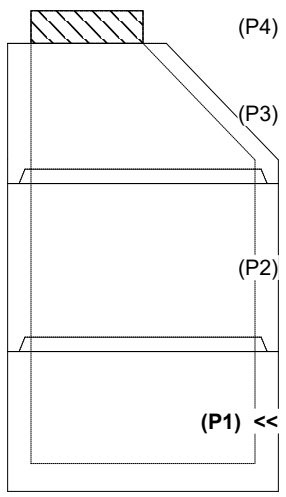
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

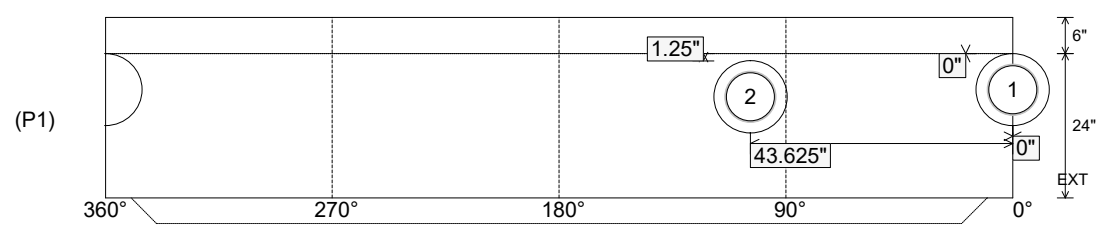
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	373.92'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	374.02'	104°	52.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert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

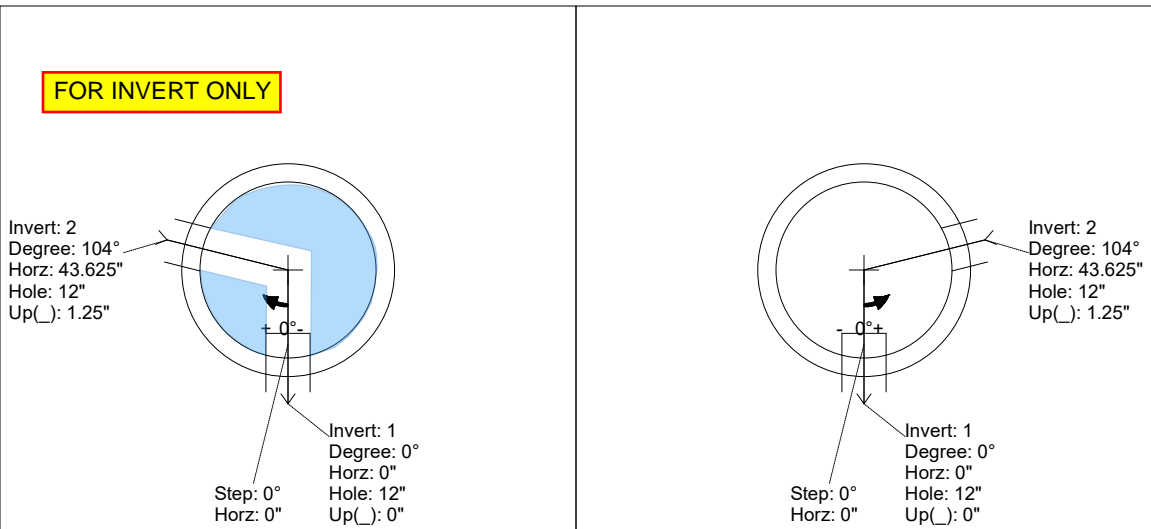
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

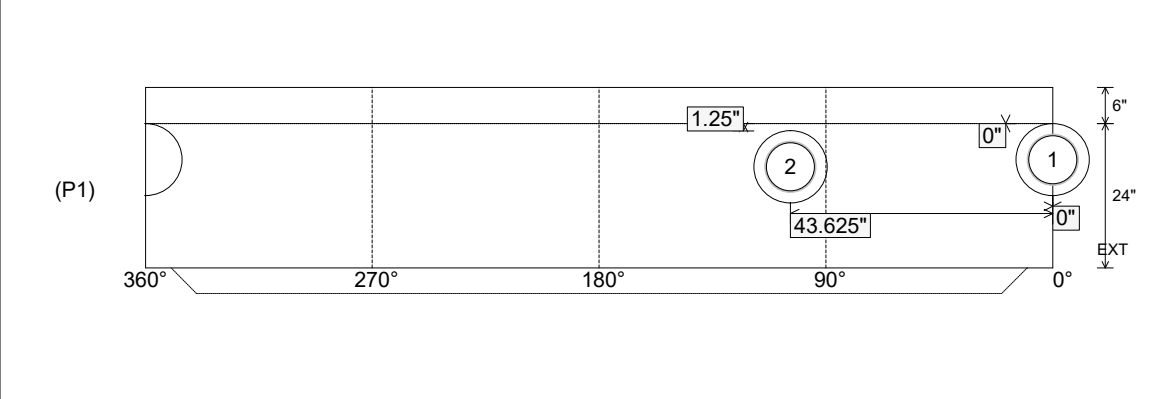
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	373.92'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	374.02'	104°	52.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert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

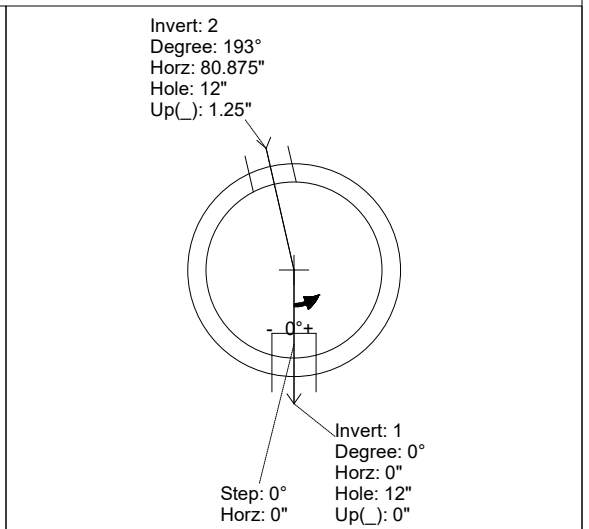
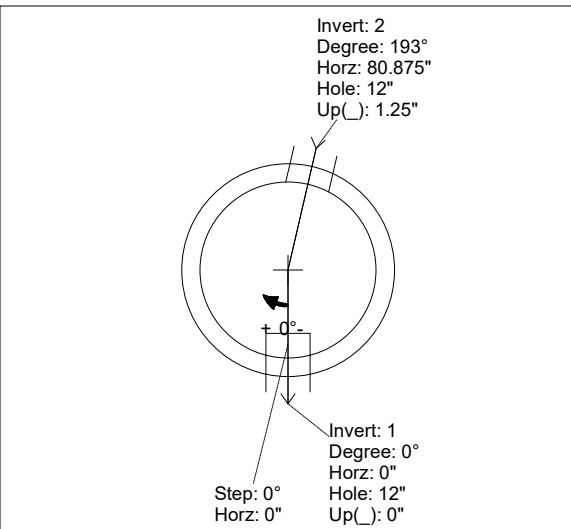
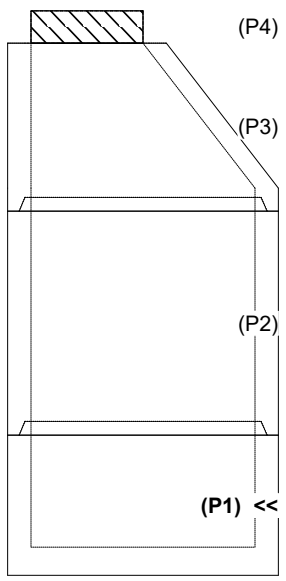
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

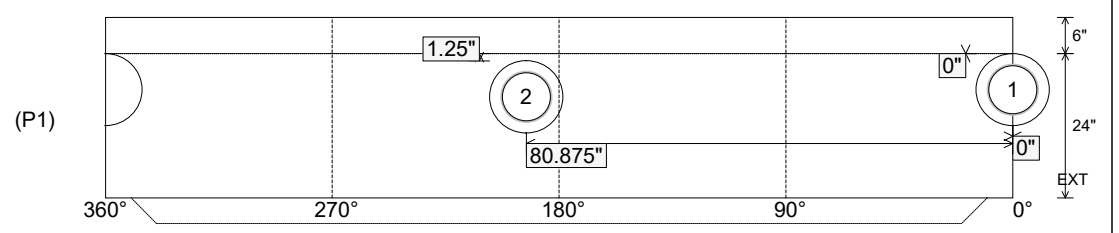
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	367.58'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	367.68'	193°	97.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert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

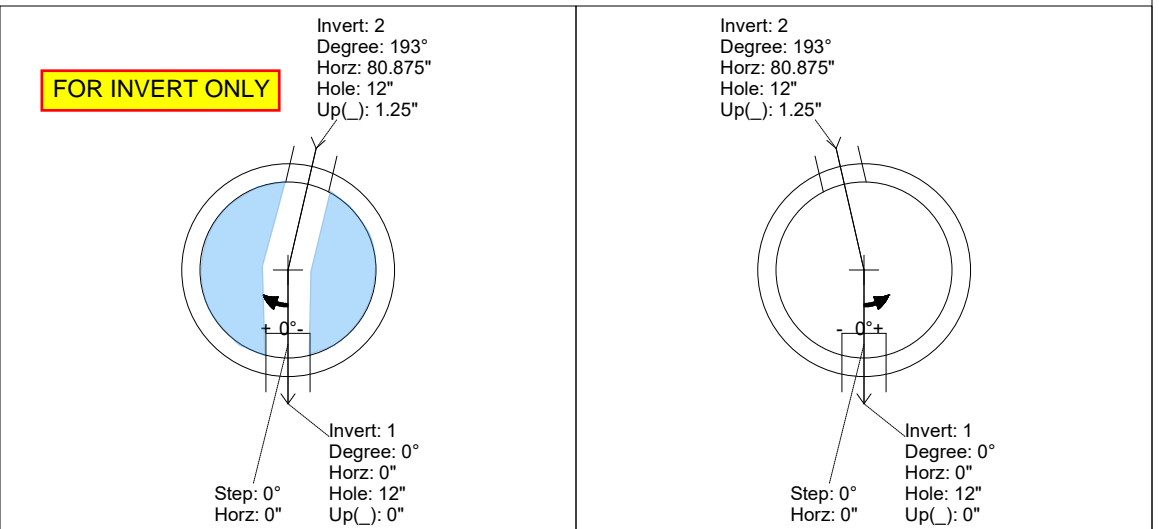
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

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

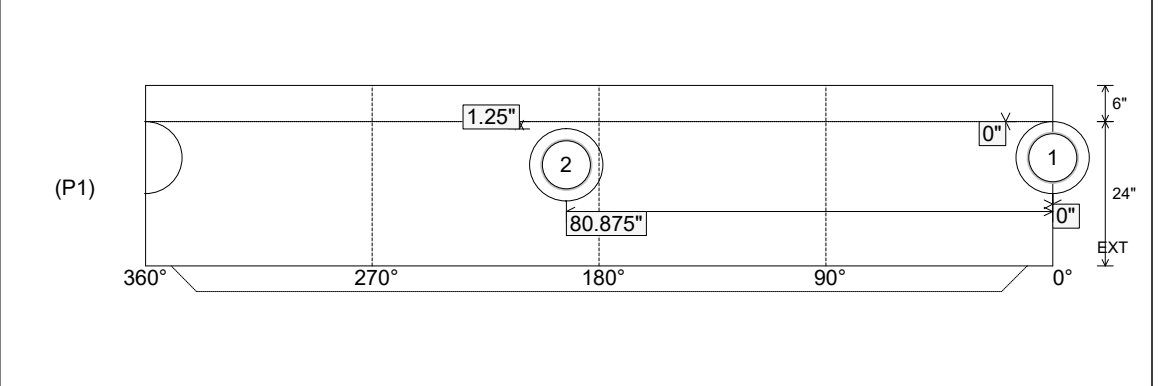
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	367.58'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	367.68'	193°	97.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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
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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 Total:	26550 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.

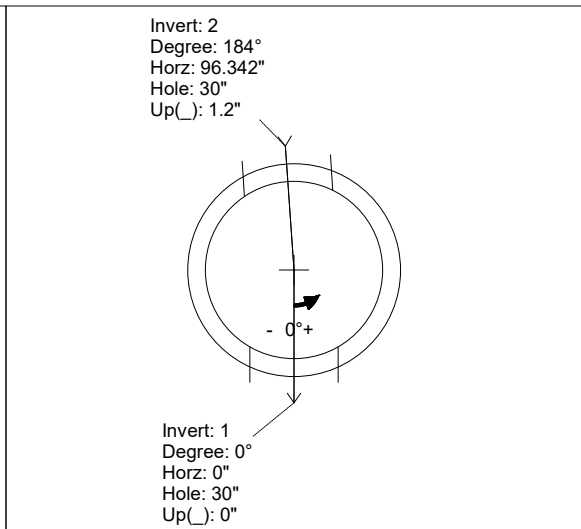
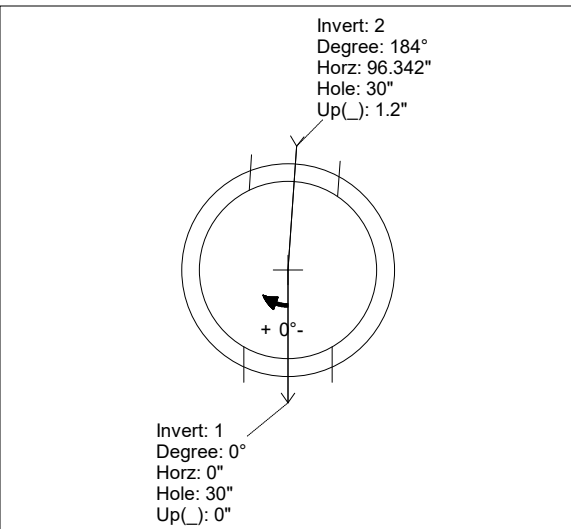
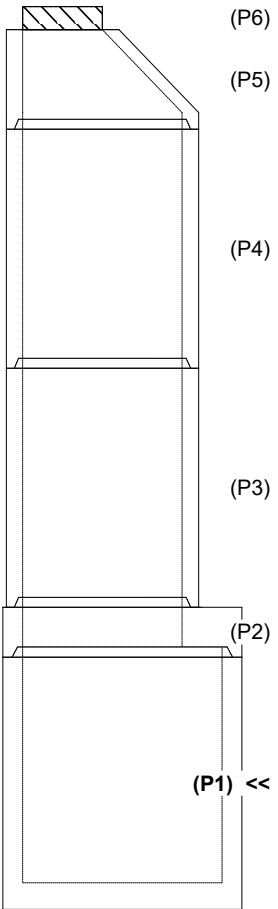
 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

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

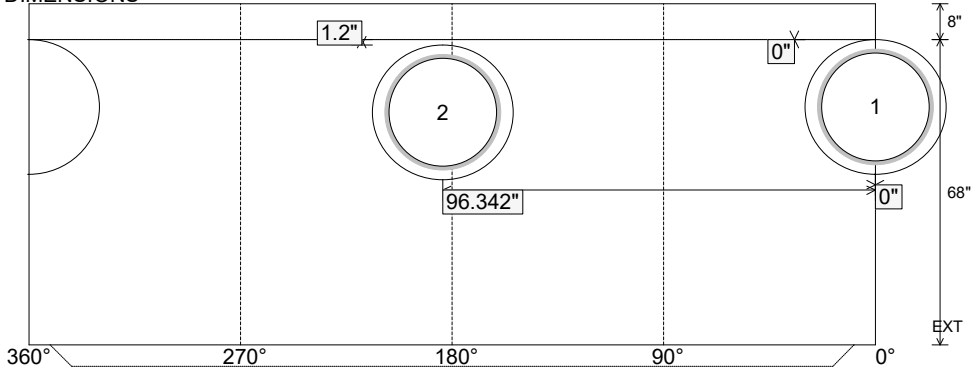
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	357.47'	0°	0"	24" PVC C900	25.8"	Kor-N-Seal2 S206-30	30"	31.416"	0"	0"
Invert 2	357.57'	184°	115.611"	24" PVC C900	25.8"	Kor-N-Seal2 S206-30	30"	31.416"	1.2"	0"
Invert 3										
Invert 4										
Invert 5			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

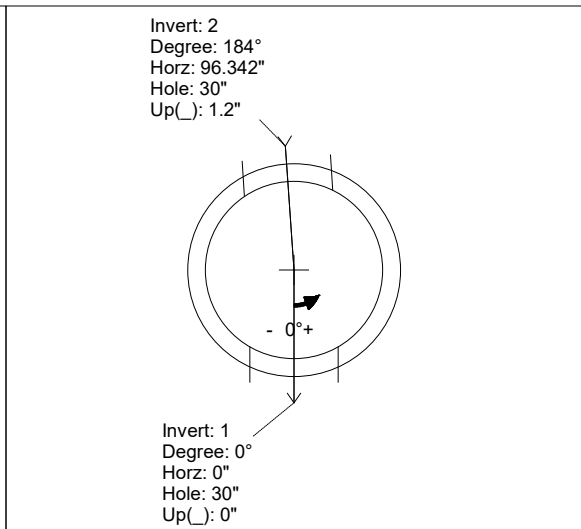
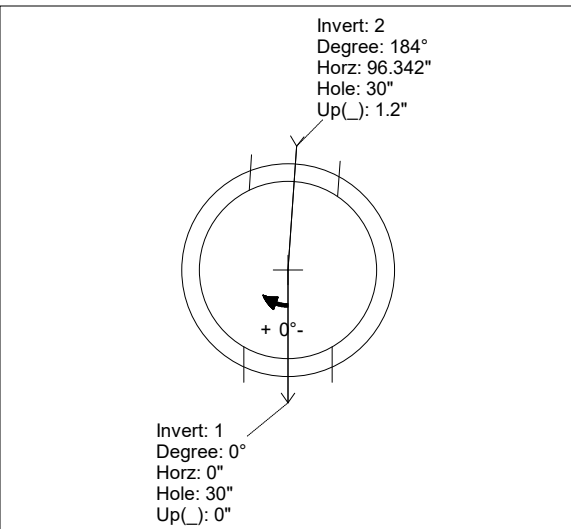
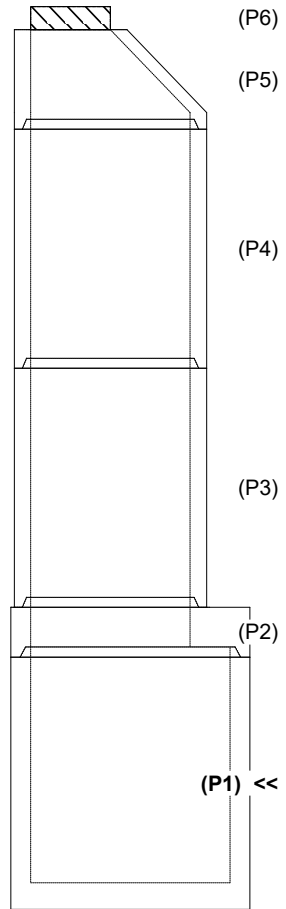
**Invert channel drawing
 Full height invert
 EWSU invert required**

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

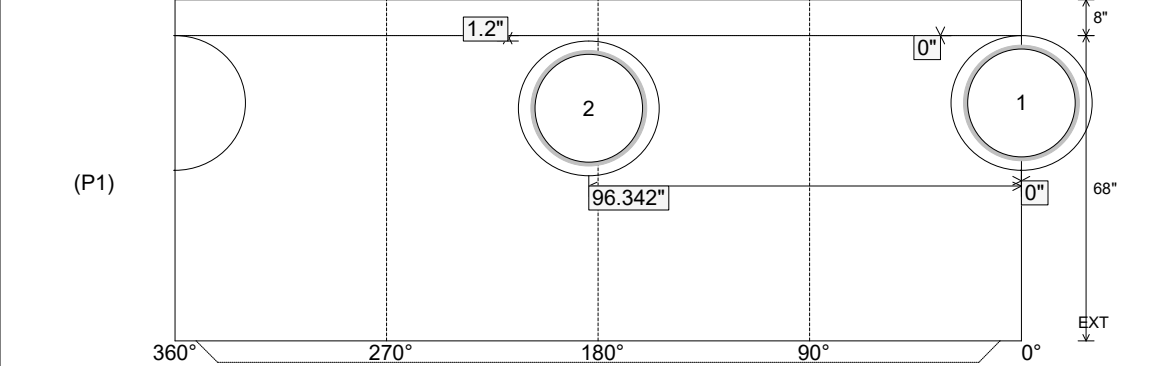
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	357.47'	0°	0"	24" PVC C900	25.8"	Kor-N-Seal2 S206-30	30"	31.416"	0"	0"
Invert 2	357.57'	184°	115.611"	24" PVC C900	25.8"	Kor-N-Seal2 S206-30	30"	31.416"	1.2"	0"
Invert 3										
Invert 4										
Invert 5			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

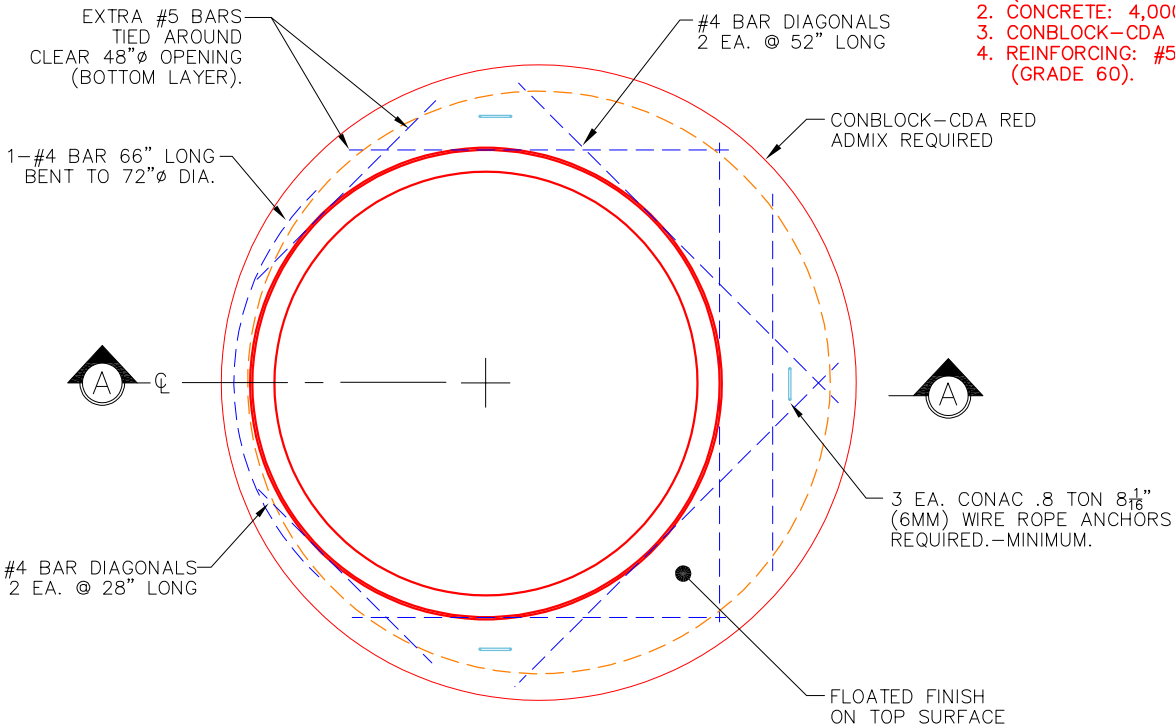
P6) 24" - CASTING HEIGHT - 7"	0 lb
P5) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30"	1961 lb
P4) 48" - MH RISER w/ConBlock-CDA Red T/G - 72"	5030 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 72"	5030 lb
P2) 60" - MH TRANS. SLAB ECC w/ConBlock-CDA Red T/G - 15"	2204 lb
P1) 60" - MH BASE Custom 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
Structure Total:	26237 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.

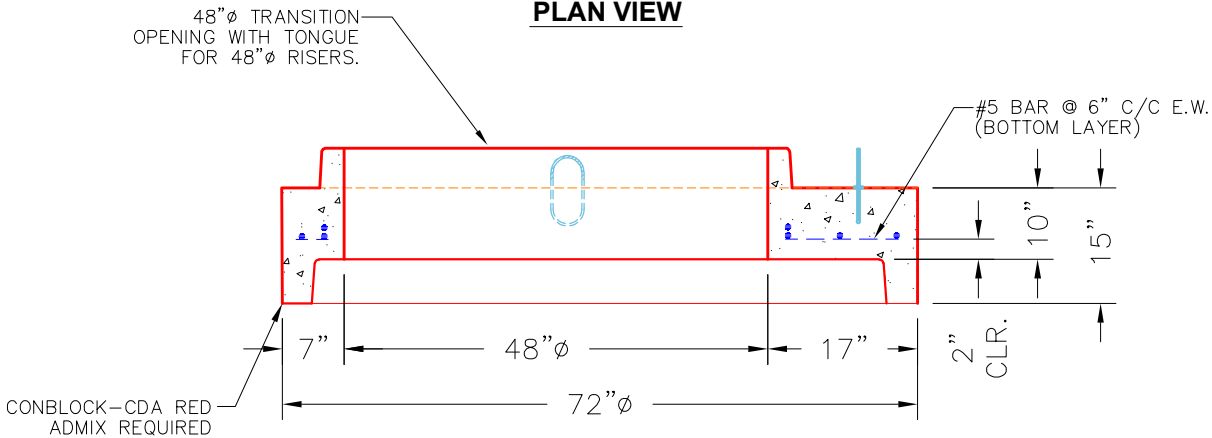
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

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
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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

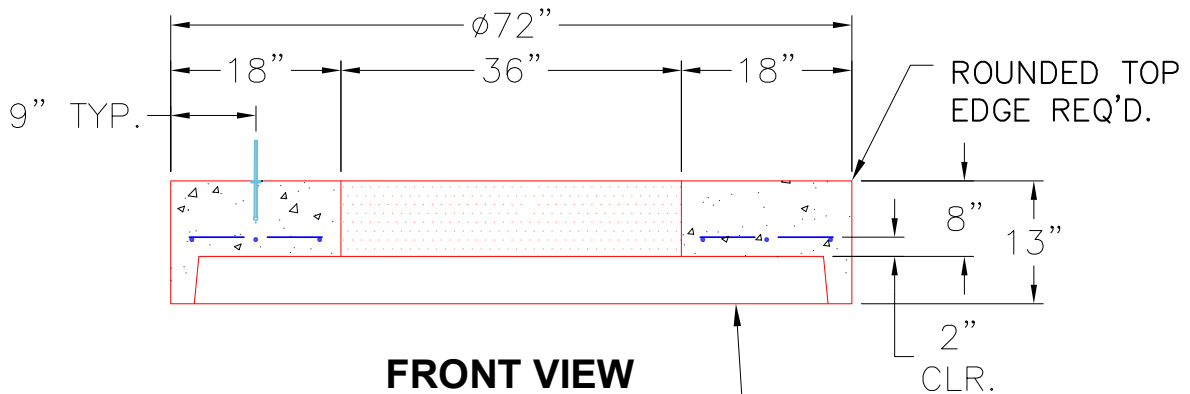
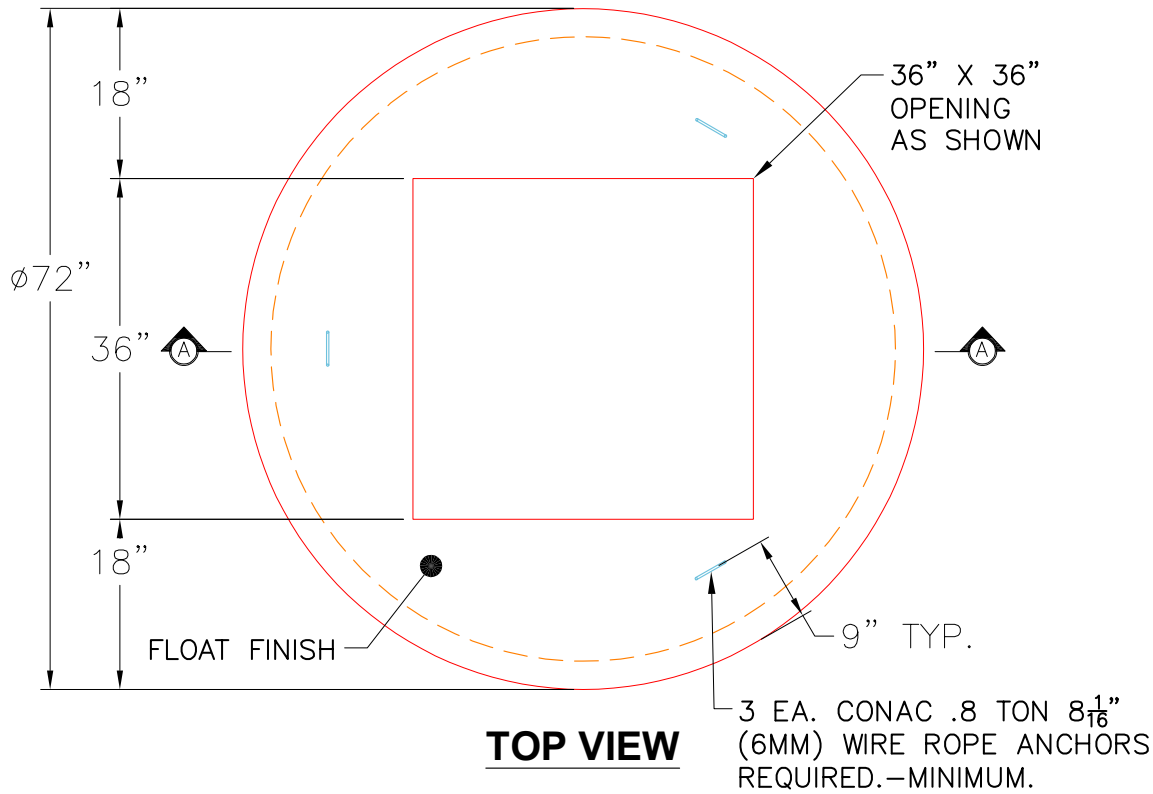
P3 MH060LD13-36SQ

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
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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"	0 lb
P5) 24" - GRADE RING F/F - 3"	202 lb
P4) 48" - CON CONE w/24" HOLE F/G - 36"	2252 lb
P3) 72" - MH Transition Slab 48" Hole T/G - 15"	3864 lb
P2) 72" - MH RISER w/DROP T/G - 60"	8713 lb
P1) 72" - MH BASE w/DROP T/n - 60"	11072 lb
1) 72" - MH INVERT CHANNEL - FULL HEIGHT	5422 lb
1) SECONDARY POUR - Add Exterior Drop to Base (P1)	2924 lb
1) SECONDARY POUR - Add Exterior Drop to Riser (P2)	2580 lb
2) 72" - Conseal CS-102 1.00" (Double)	0 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) A-Lok - 1235	2 lb
1) Drop Tee - 8" PVC	0 lb
1) Drop Elbow - 8" PVC	0 lb
14) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	37033 lb

- Structure Notes:**
- PER ASTM C-478 SPECIFICATIONS
 - CONCRETE: 4,000 PSI AT 28 DAYS
 - EXTERIOR DROP REINFORCEMENT: DRILL & STUB #4 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
 - EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST
 - ADD 8" SDR 35 DROP & ELBOW AT INVERT 4 (244°)

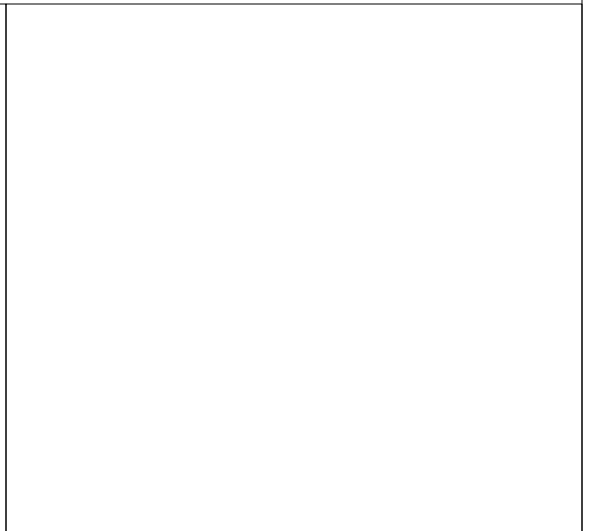
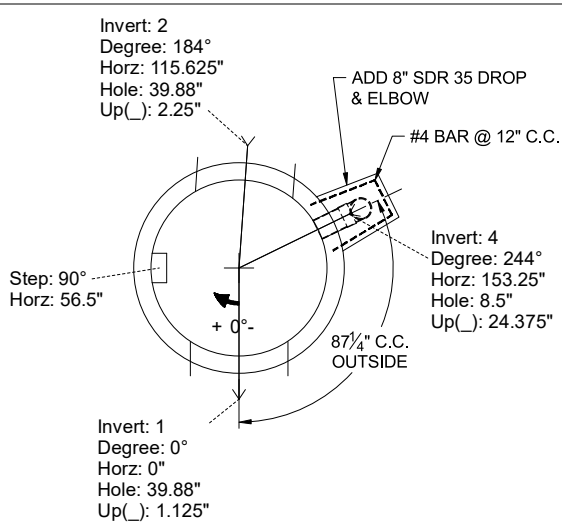
FIRST POUR (BASE): 11,072 LBS
SECOND POUR (DROP): 2,924 LBS

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

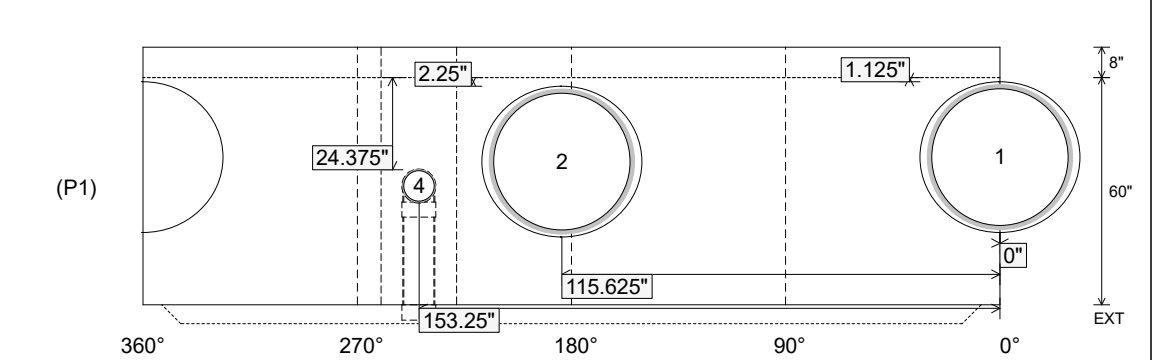
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	735.01'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	735.11'	184°	138.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	0"
Invert 3										
Invert 4	736.81'	244°	183.125"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

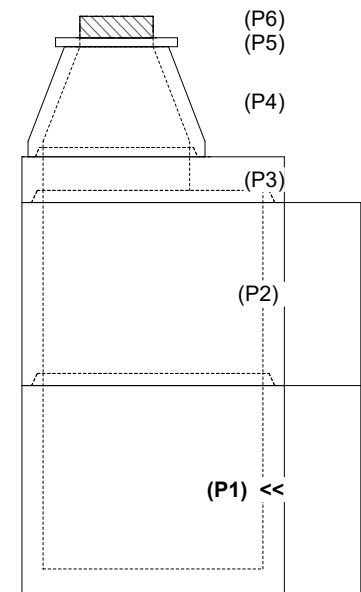
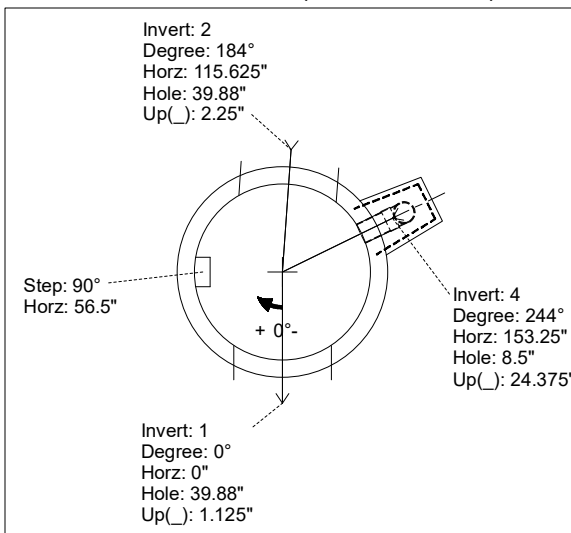
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 90 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS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

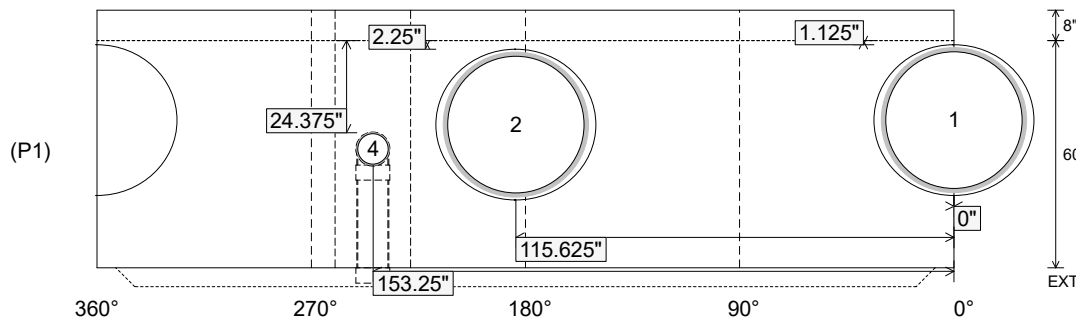
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	735.01'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	735.11'	184°	138.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	0"
Invert 3										
Invert 4	736.81'	244°	183.125"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



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 1:21:48 PM

PC: Celina Goff



Structure ID: 2301561

P1 MH072BAVF

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

- P5) 24" - CASTING HEIGHT - 7"
- P4) 48" - CON CONE w/24" HOLE F/G - 36"
- 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 - 64"
- 1) 72" - MH INVERT CHANNEL - FULL HEIGHT
- 1) 72" - Conseal CS-102 1.00" (Double)
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 14) MH Step ML-10-TDS-NCR - 10"

0 lb
 2252 lb
 4192 lb
 3864 lb
 12664 lb
 5422 lb
 0 lb
 0 lb
 2 lb
 0 lb

 Structure Total: 28396 lb

Structure Notes:

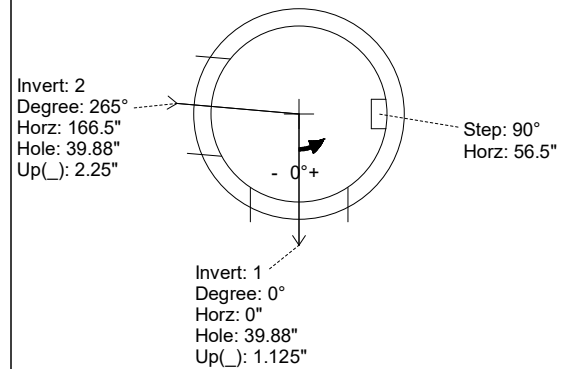
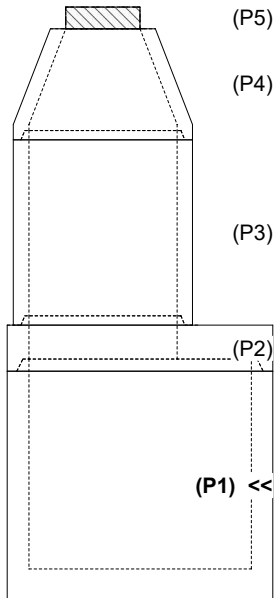
1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. INVERT CHANNEL REQUIRED
5. STEPS AT 90 DEGREES
6. 7" CASTING SUPPLIED BY OTHERS

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

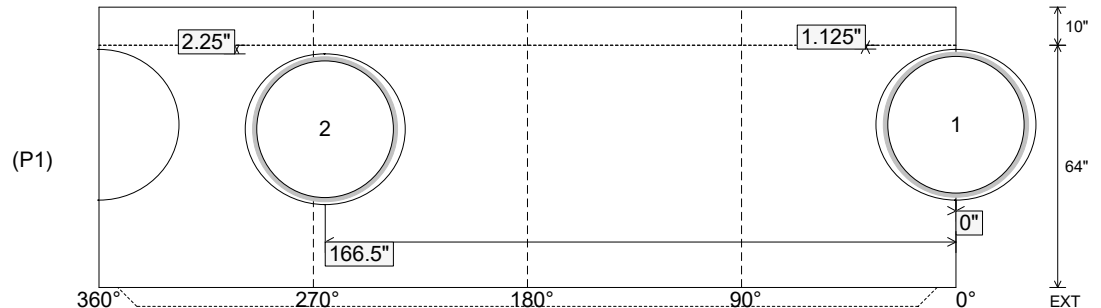
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	742.44'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	742.54'	265°	198.875"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	0"
Invert 3										
Invert 4										
Invert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

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



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	
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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
Structure Total:	28396 lb

Structure Notes:

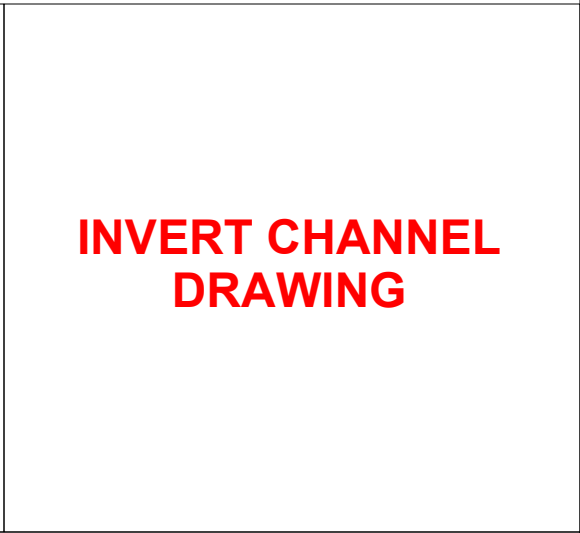
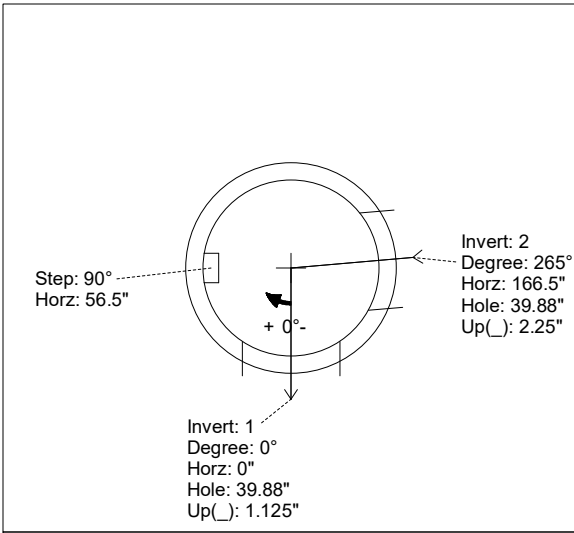
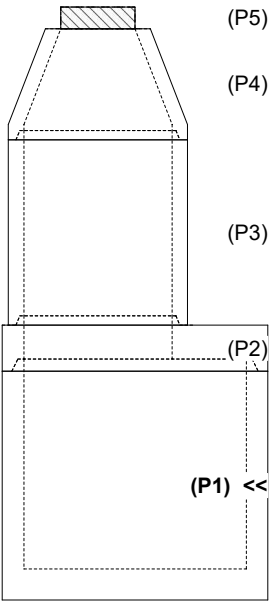
- PER ASTM C-478 SPECIFICATIONS
- CONCRETE: 4,000 PSI AT 28 DAYS
- REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- INVERT CHANNEL REQUIRED
- STEPS AT 90 DEGREES
- 7" CASTING SUPPLIED BY OTHERS

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

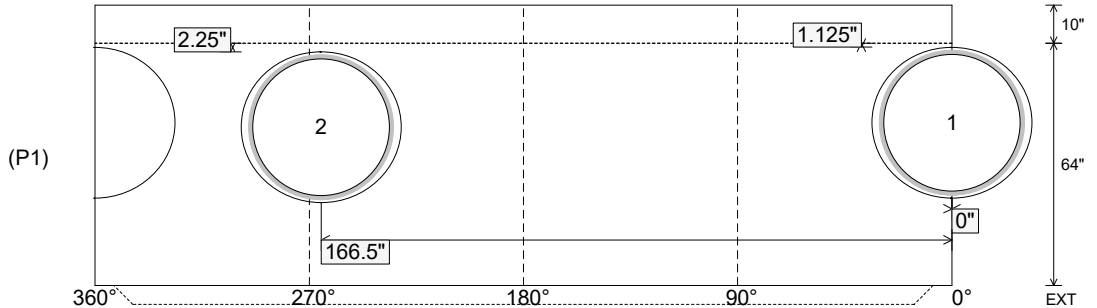
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	742.44'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	742.54'	265°	198.875"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	0"
Invert 3										
Invert 4										
Invert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

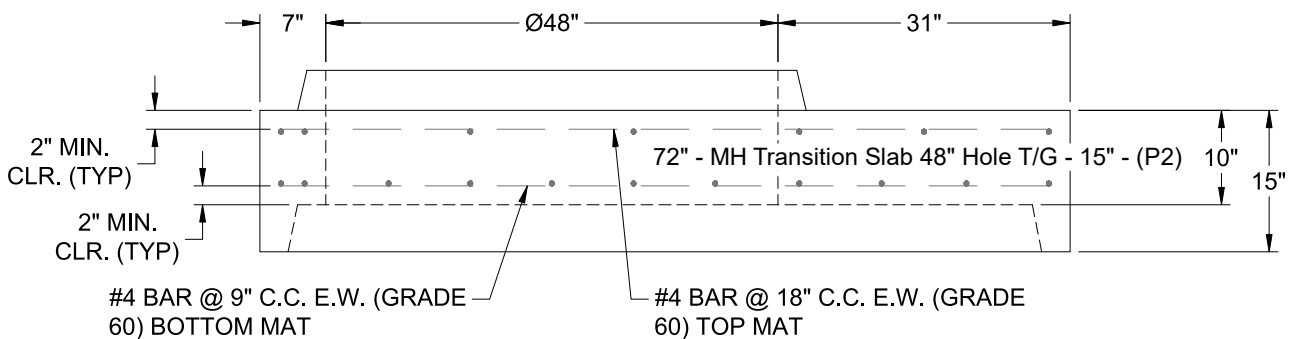
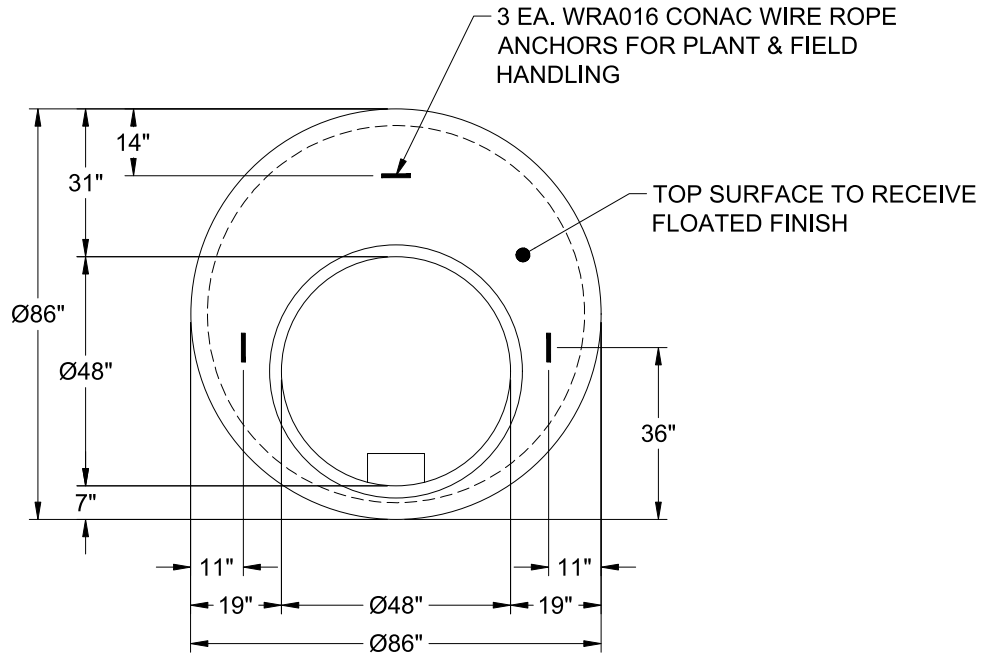
- P6) 24" - CASTING HEIGHT - 7"
- P5) 48" - CON CONE w/24" HOLE F/G - 24"
- P4) 48" - MH RISER T/G - 48"
- P3) 48" - MH RISER T/G - 60"
- P2) 72" - MH Transition Slab 48" Hole T/G - 15"
- P1) 72" - MH BASE (10"F) Custom Ht T/n - 76"
- 1) 72" - MH INVERT CHANNEL - FULL HEIGHT
- 1) 72" - Conseal CS-102 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.

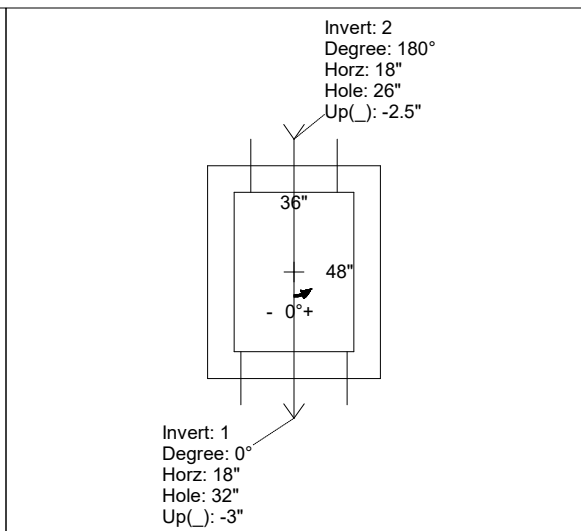
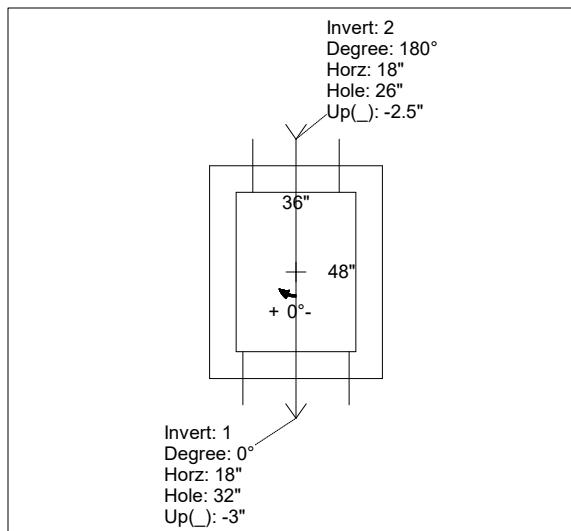
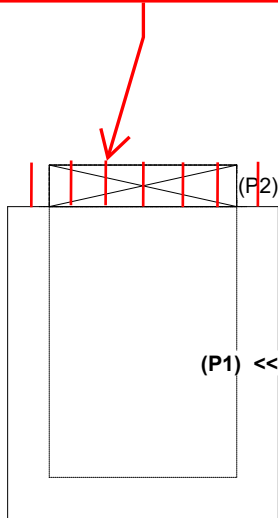
Rim: 740' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:

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										

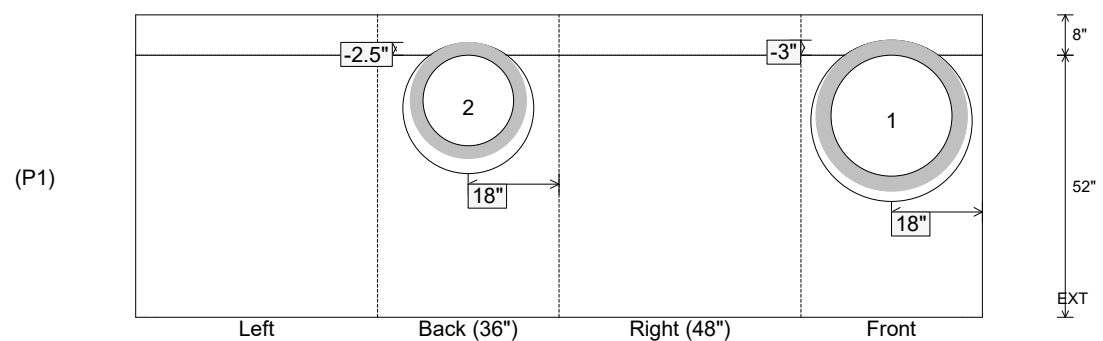
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

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



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 5:08:04 PM

PC: C. Goff



Structure ID: INL 10B

P1 BX3636-08BAVF

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

- P2) 36" x 36" - P.I.P. - BY OTHERS - 8"
- P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 35"
- 1) 36" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22
- 1) Hole - 16
- 2) Hole - 2

0 lb
 5556 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 5556 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-316
 5. #5 DOWELS @ 12" O.C. STUBBED 12" OUT THE TOP OF THE WALLS FOR APRON & GUTTER ATTACHMENT BY OTHERS.

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.

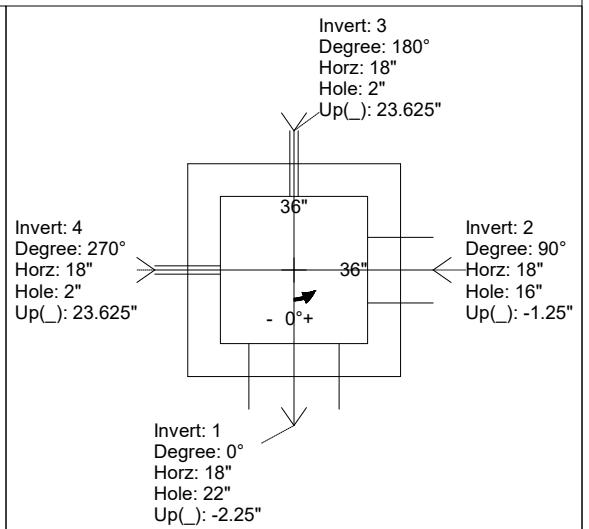
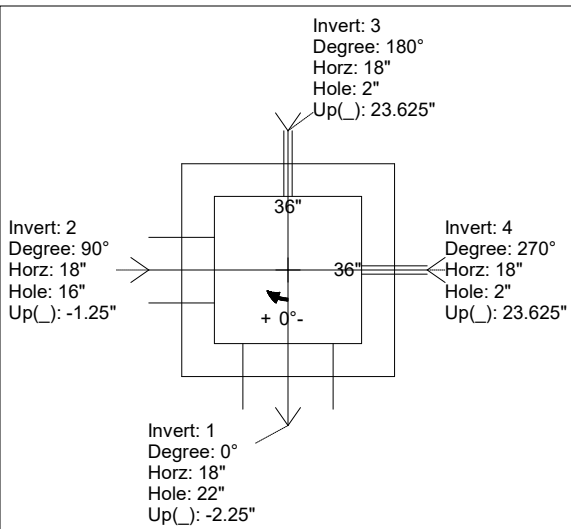
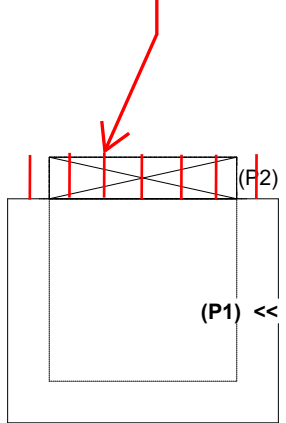
Rim: 741.9' Rim to Invert: 3.64' Slack: 0.68' Sump: 0' Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	738.26'	0°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2	738.26'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 3	740.23'	180°	26"	2" WEEP HOLE	2"	Hole 2	2"	2"	23.625"	0"
Invert 4	740.23'	270°	26"	2" WEEP HOLE	2"	Hole 2	2"	2"	23.625"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

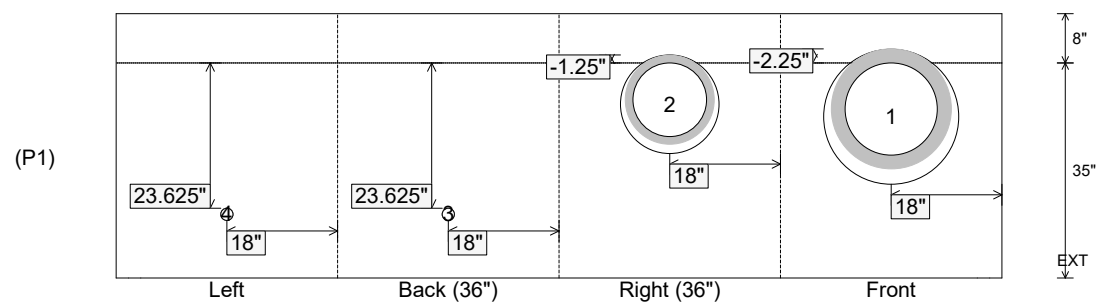
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

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



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 35" Height (Ext): 43"	Weight (Net): 5556 lb Volume (Net): 1.42cu.yd
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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

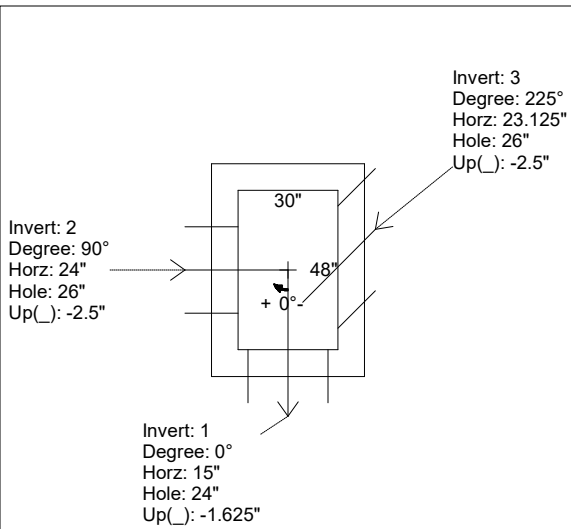
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 6" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 6" C.C.E.W.

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

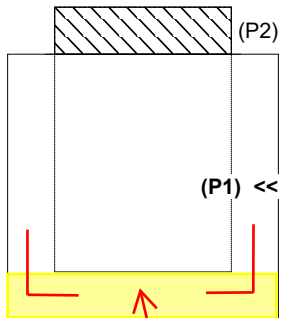
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	733.92'	0°	23"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2	733.92'	90°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 3	733.92'	225°	23.125"	18" RCP B WALL	23"	Hole 26	26"	36.77"	-2.5"	10"
Invert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

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

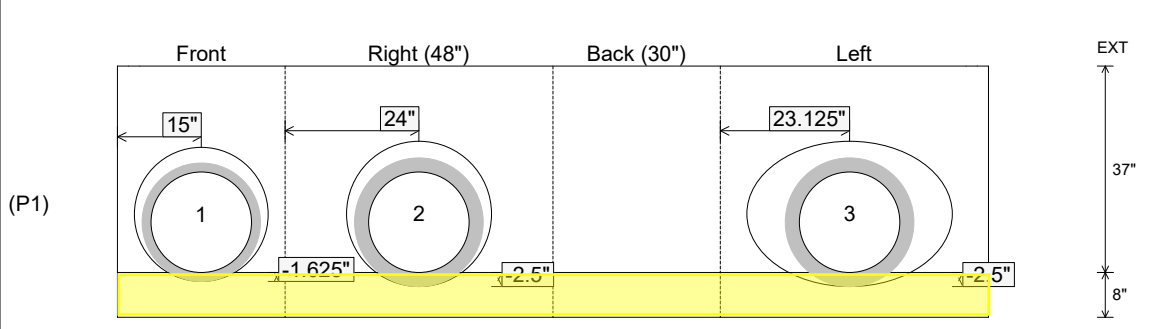


**1ST POUR (FLOOR) = 1,976 LBS
 2ND POUR (WALLS) = 3,506 LBS**



**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 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

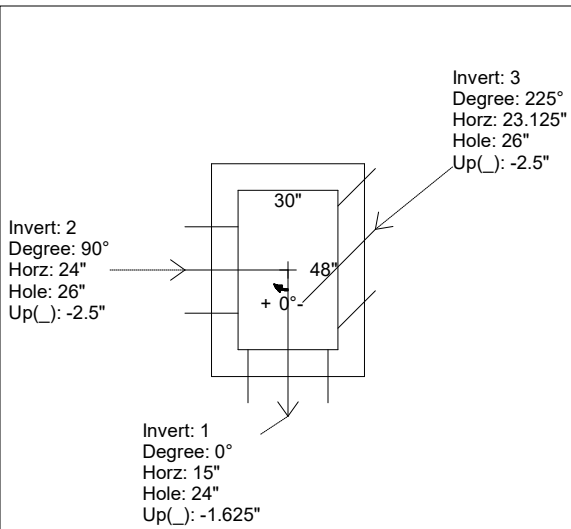
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 6" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 6" C.C.E.W.

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

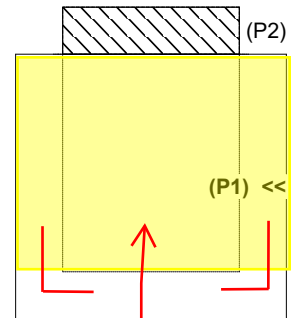
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	733.92'	0°	23"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2	733.92'	90°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 3	733.92'	225°	23.125"	18" RCP B WALL	23"	Hole 26	26"	36.77"	-2.5"	10"
Invert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

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

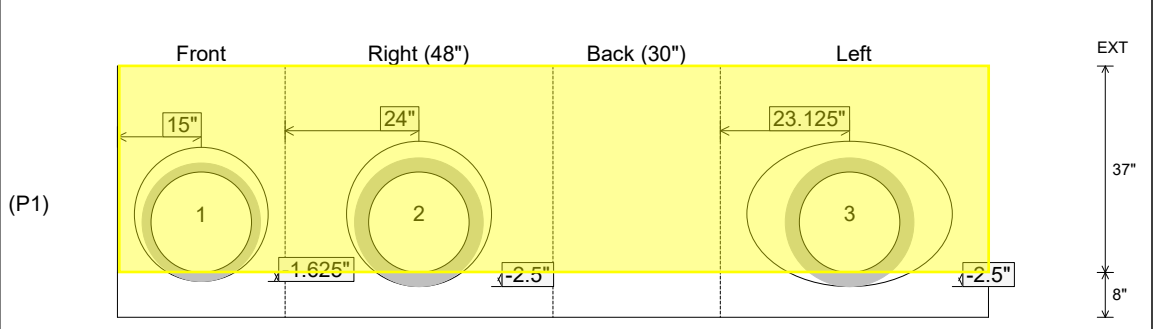


**1ST POUR (FLOOR) = 1,976 LBS
 2ND POUR (WALLS) = 3,506 LBS**



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
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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

 Structure Total: 4462 lb

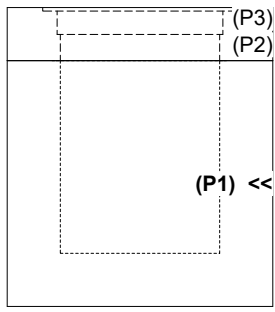
Structure Notes:
 1. PER ASTM C-913 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. NO STORM INVERT
 5. NO STEPS
 6. HOE 280T FRAME & GRATE SUPPLIED BY ICAS - FRAME TO BE CAST INTO FLAT LID FLANGE SIDE UP

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

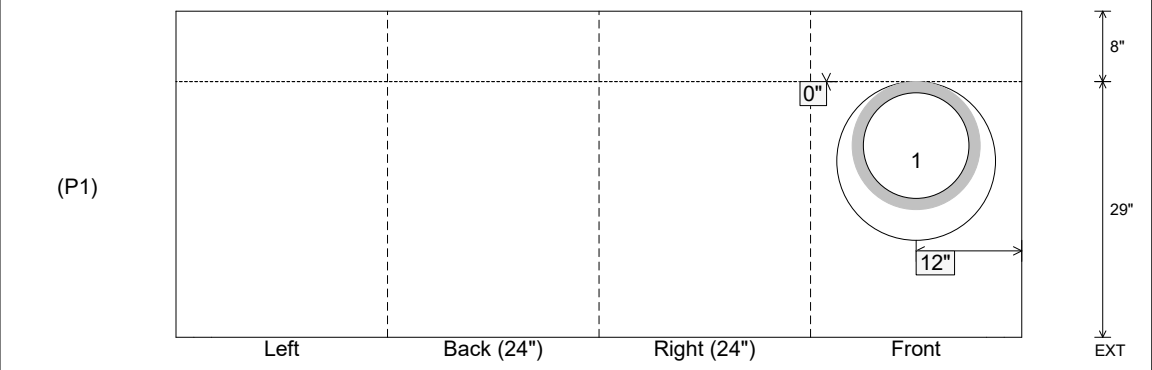
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	538.5'	0°	20"	12" HDPE	14.5"	Hole 18	18"	18"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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): 29" Height (Ext): 37"	Weight (Net): 3395 lb Volume (Net): 0.87cu.yd
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Structure ID: KST3 JBB

P1 BX2424-08BAVF

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

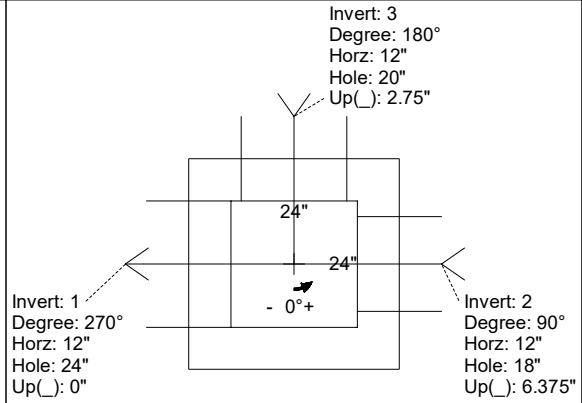
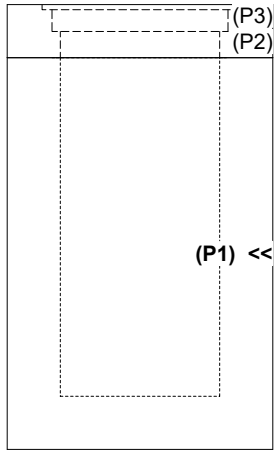
- | | |
|---|---|
| P3) 23.5" - CASTING (cast in) - 0"
P2) 24" x 24" - BX FLAT LID 8inW SPEC. (KY-206 CAST IN) F/F - 8"
P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 51"
1) This Structure Includes a Cast-in Item - HOE KY-206 Frame (Supplied by iCast)
1) CASTING - HOE KY-206 F/C (KY TY1)
1) 24"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

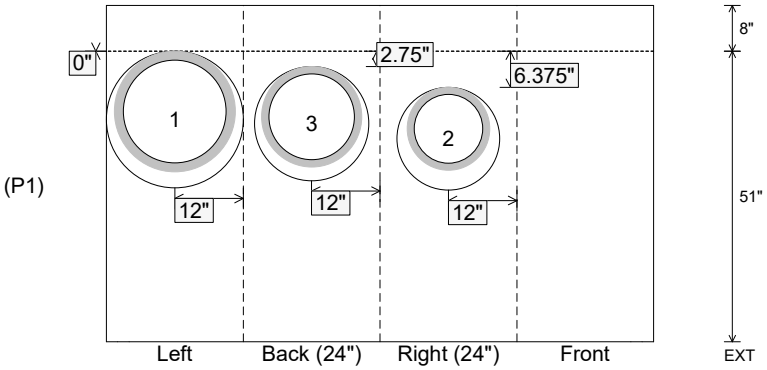
Rim: 543.5' Rim to Invert: 4.8' Slack: 0.2" Sump: 1.6" Step Position:

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
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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

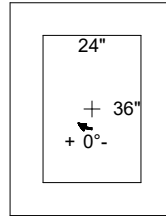
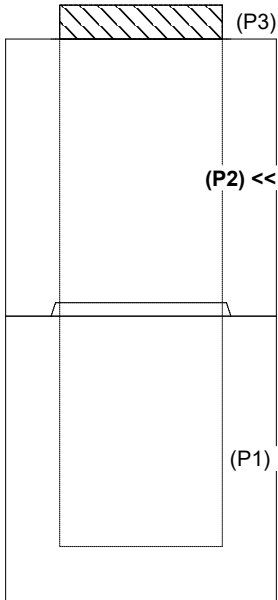
Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS.
 4. CASTING SUPPLIED BY I-CAST (EJ 6499).

 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.

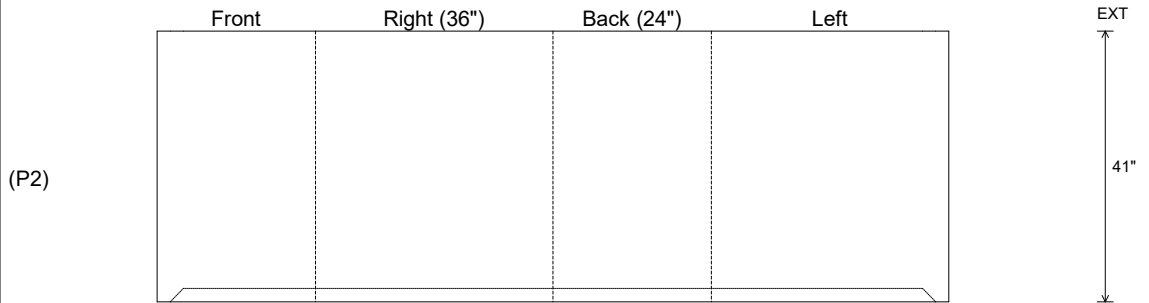
Rim: 498' Rim to Invert: 6.71' Slack: 0.52" Sump: 0" Step Position:

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
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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

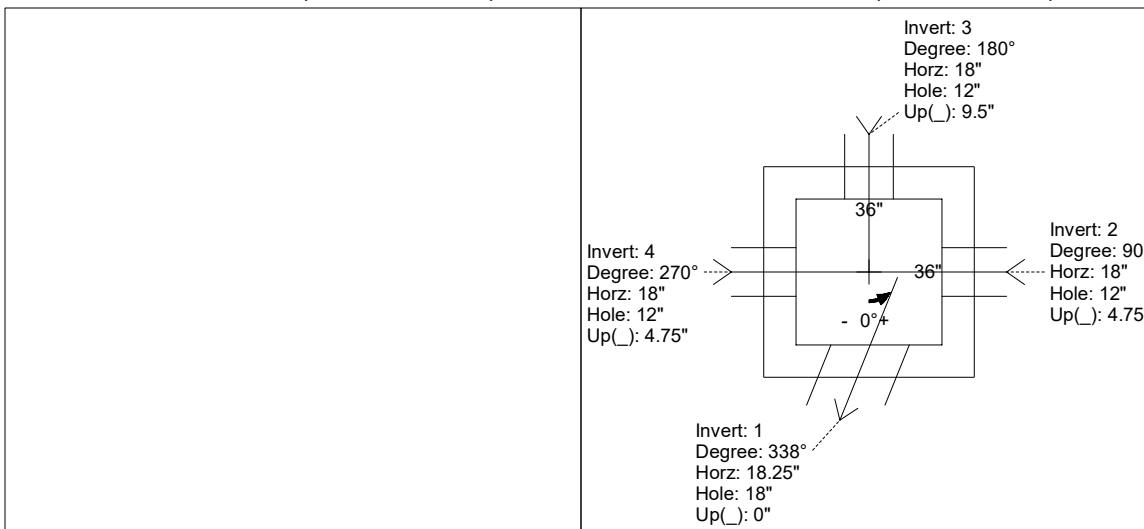
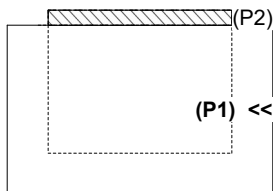
- Structure Notes:
1. PER ASTM C-913 SPECS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. NO STORM INVERT
 5. NO STEPS
 6. HOE 595 FRAME & GRATES SUPPLIED BY ICAST

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

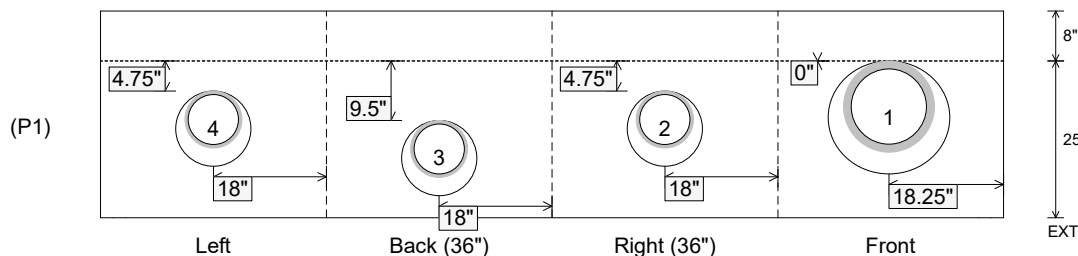
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	402.63'	338°	23"	12" ADS N-12	14.5"	Hole 18	18"	19.414"	0"	7"
Invert 2	402.97'	90°	26"	8" ADS N-12	9.1"	Hole 12	12"	12"	4.75"	0"
Invert 3	403.36'	180°	26"	8" ADS N-12	9.1"	Hole 12	12"	12"	9.5"	0"
Invert 4	402.97'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

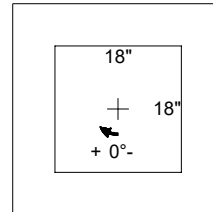
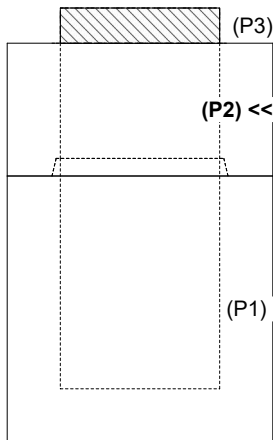
Structure Notes:

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

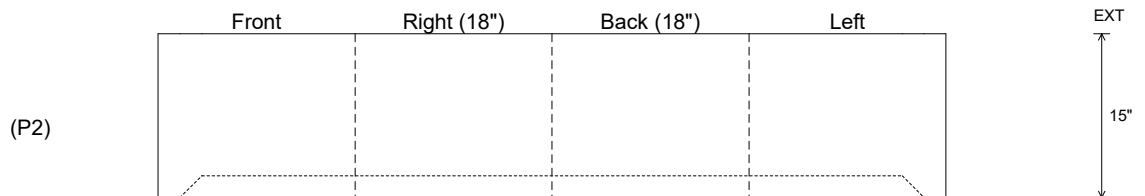
Rim: 747.11' Rim to Invert: 3.71' Slack: 1.52" Sump: 0" Step Position:

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

0 lb
 3284 lb
 258 lb
 0 lb
 0 lb

 0 lb
 Structure Total: 3542 lb

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

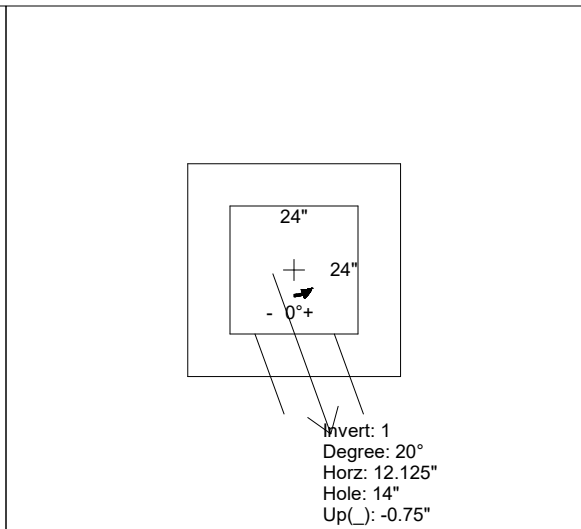
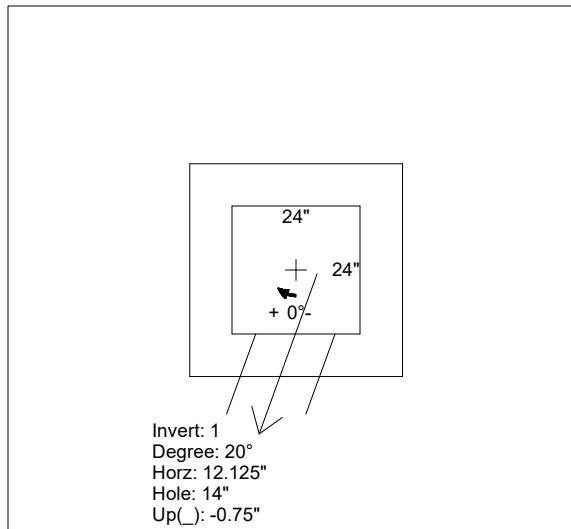
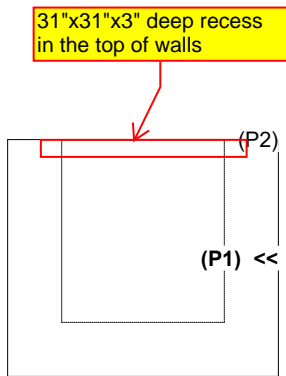
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

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

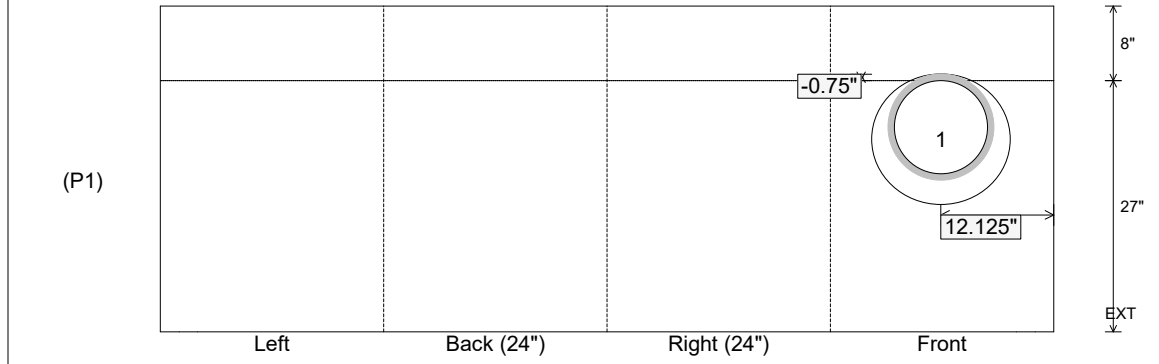
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	376.65'	20°	23"	10" HDPE	11.4"	Hole 14	14"	14.898"	-0.75"	-4"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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
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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"

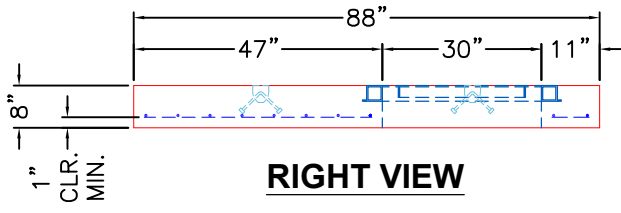
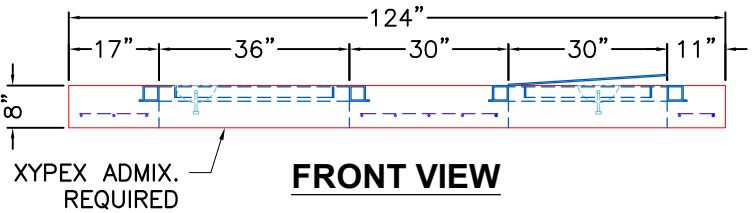
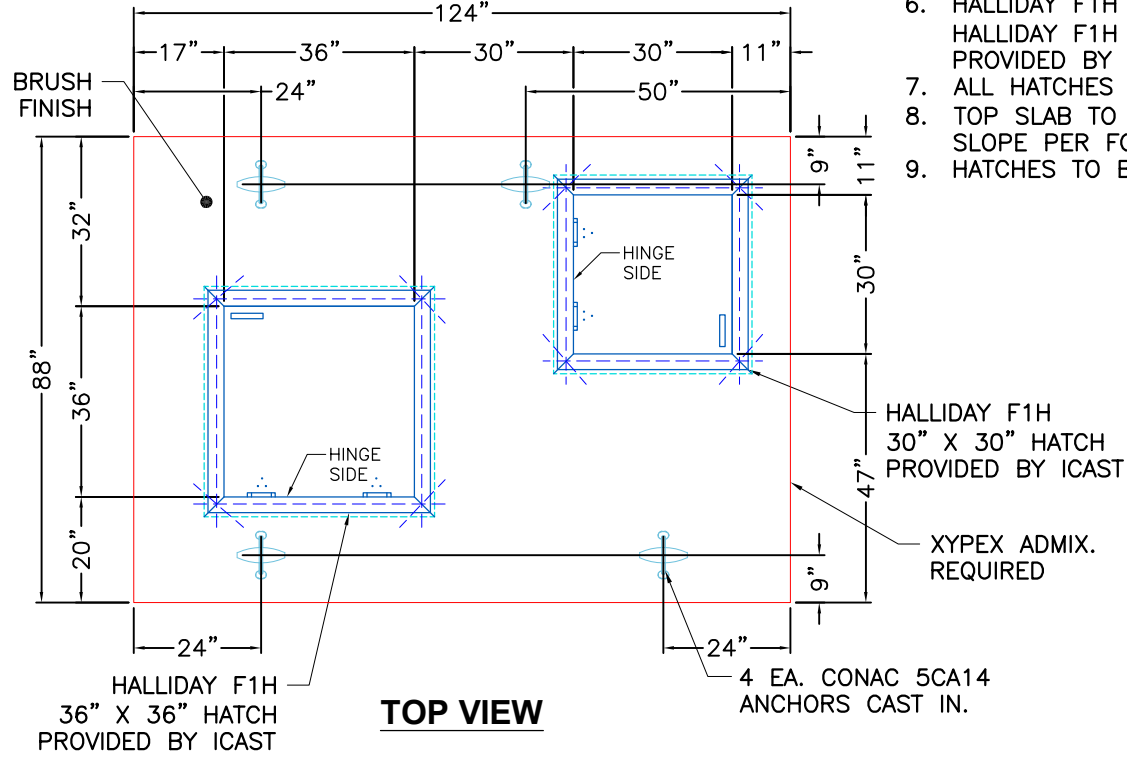
100 lb
 5536 lb
 24342 lb
 0 lb
 0 lb

 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
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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

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

REINFORCING STEEL SCHEDULE

DESIGN NOTE:
 HS20 LOADING - ASTM C857
 CONCRETE 28 DAY COMPRESSIVE STRENGTH - 4500 PSI
 REINFORCEMENT STEEL - 60,000 PSI
 REBAR MIN SPACING 4#4 @ 12" O.C.
 PLACE 1/4" 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.

BPV

MATT CHALKS ENGINEERING PLLC
 518 S. INTERSTATE 40 WEST
 ROCKWELL, TN 37087

SCALE: 3/8" = 1'
 DATE: 10/20/2025
 DRAWN BY: MBL

BPV EAST REGIONAL BANK PUMP STATION
 GARNEY COMPANIES INC
 6-0" X 9-0"
 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

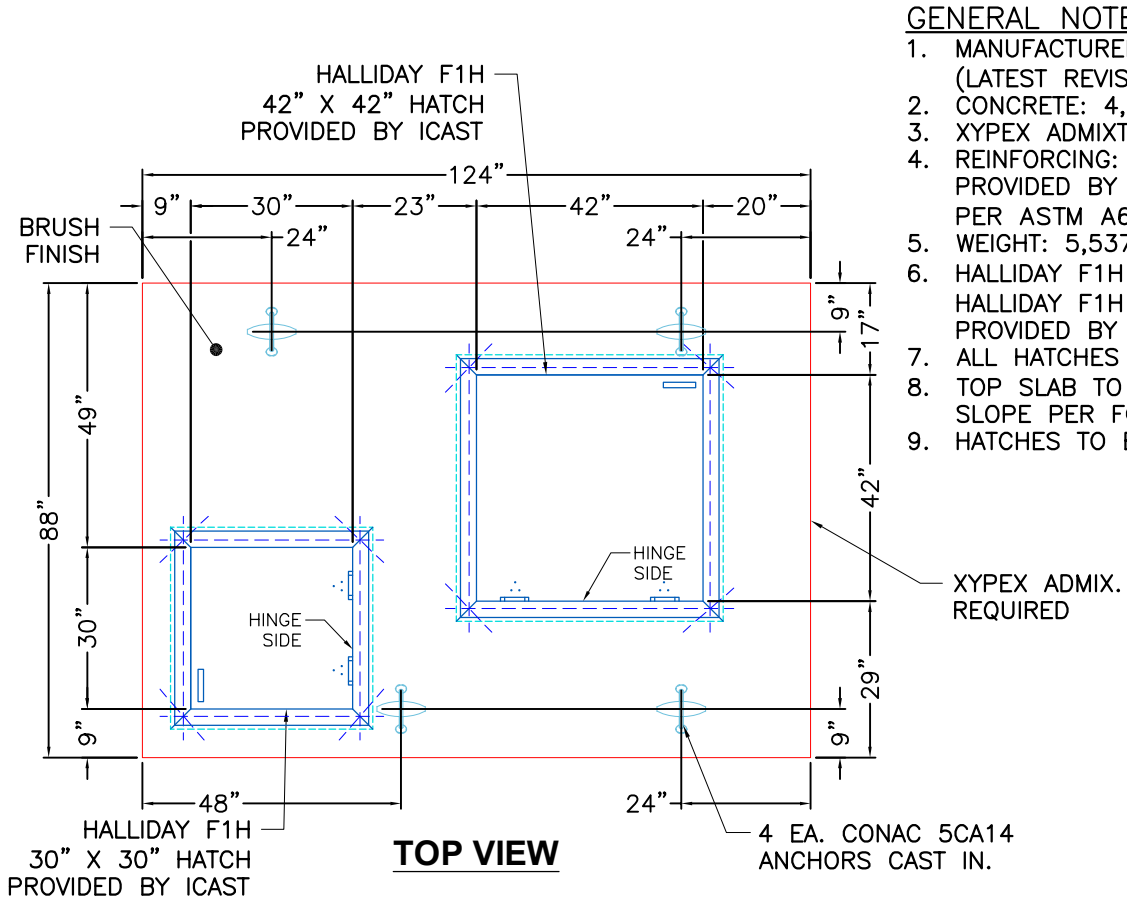
BX FLAT LID 8inW w/ XYPEX AND 2 HATCHES

- 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"

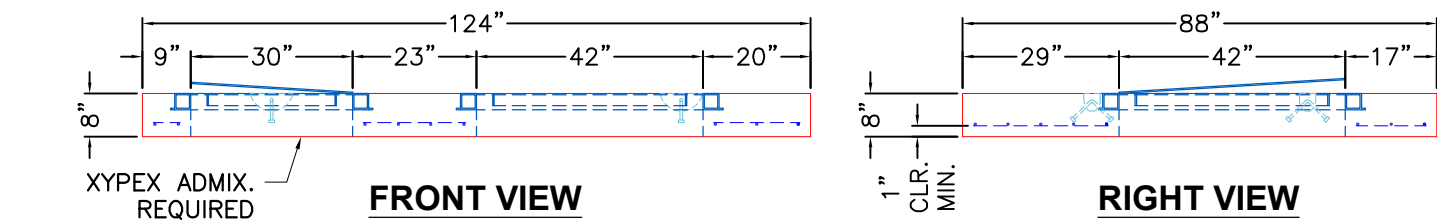
100 lb
 5536 lb
 24359 lb
 0 lb
 0 lb

 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
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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 CONTINUOUS THROUGH PRECAST JOINTS. NO REINFORCING WILL BE CONTINUOUS ACROSS PRECAST JOINTS.

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

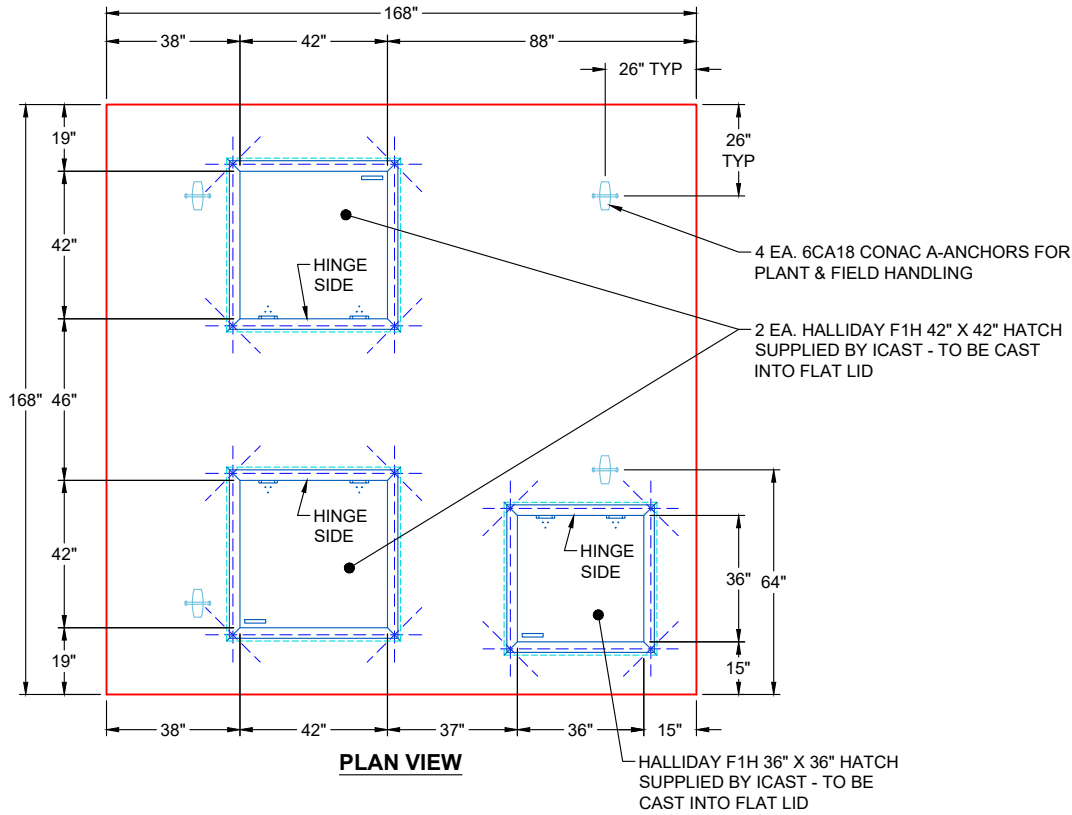
PROJECT: FLOW METER VAULT
 EAST REGIONAL BANK PUMP STATION
 GARNEY COMPANIES INC
 6'-0" X 9'-0"

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

Page 3 of 16

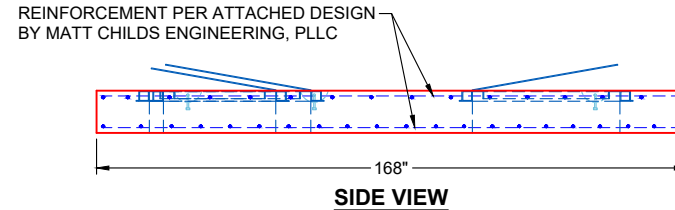
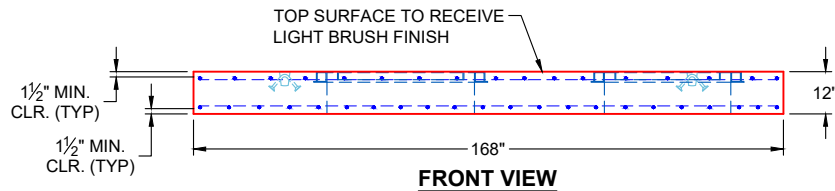
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 5536 lb Volume (Net): 1.41cu.yd
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20280105-ICast-25-1137B-6e9(FMV)-Submittal (TN).pdf



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



PRODUCTION WORK ORDER		PRODUCT I.D.: CTSX	DESCRIPTION: 168" X 168" X 12" FLAT LID SPECIAL W/ XYPEX		
	QUALITY CONTROL CHECKLIST <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.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: GARNEY COMPANIES, INC.		
		PLANT: BEAVER DAM, KY	PROJECT: EAST REGIONAL BANK PUMP STATION		
		WEIGHT: 23,563 LBS	STRUCTURE: GRINDER VAULT (PIECE 5)		
		TOP SECTION JOINT: FLAT	ORDER NO: 25-1137B		
		BASE SECTION JOINT: N / A	PE: J.H. ROSS	DRAWING: K. CARDWELL	
		QC CHECK INITIALS:	DATE: 11/25/25	SCALE: NTS	PG. 1 OF 1

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

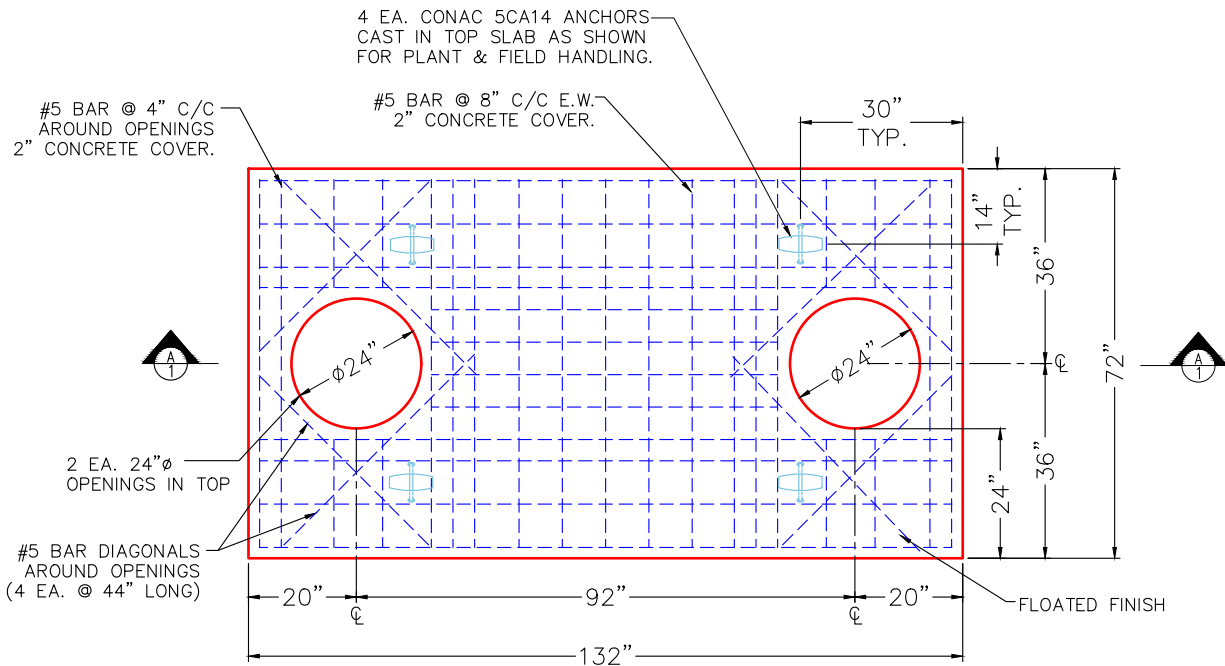
0 lb
 6076 lb
 18629 lb
 516 lb
 1372 lb
 0 lb
 0 lb
 0 lb

Structure Total: 26593 lb

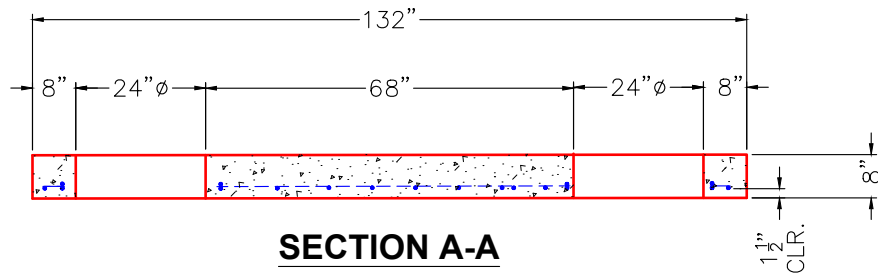
Structure Notes:

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.

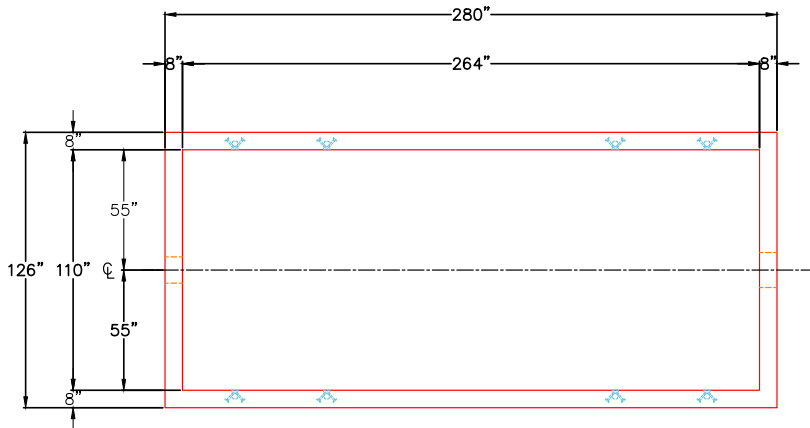
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #6 BARS AT 8" C.C.E.W.
 - FLOOR (As .12) #6 BARS AT 8" C.C.E.W.

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:

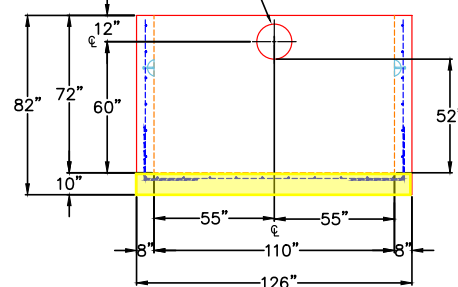
- 1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- 2. CONCRETE: 4,000 PSI AT 28 DAYS.
- 3. REINFORCING: #6 BAR @ 8" E.W. O.C. (GRADE 60).
- 4. WEIGHT:
 FIRST POUR - 29,604 LBS.
 SECOND POUR - 37,489 LBS.
 TOTAL - 67,093 LBS.



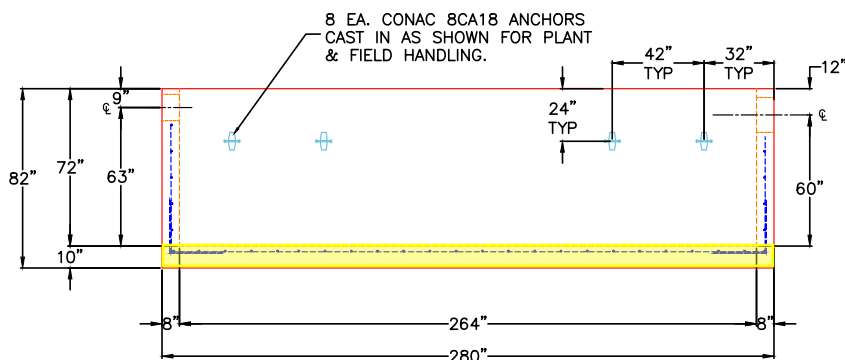
PLAN VIEW

FIRST POUR DRAWING

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

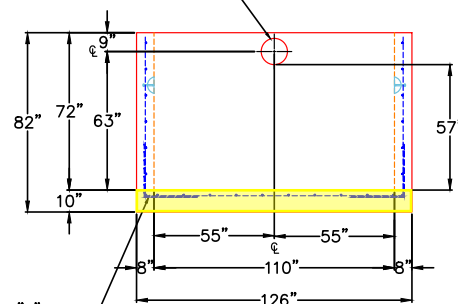


RIGHT VIEW



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:

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

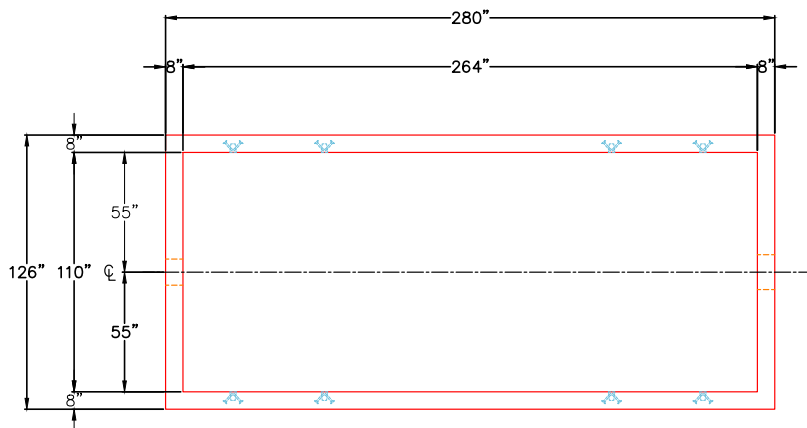
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #6 BARS AT 8" C.C.E.W.
 - FLOOR (As .12) #6 BARS AT 8" C.C.E.W.

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:

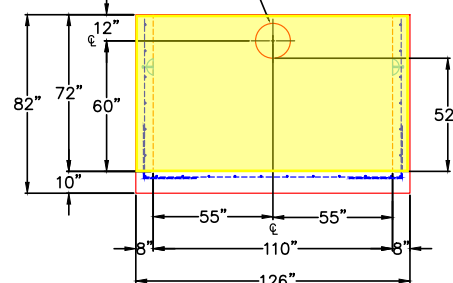
- MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- CONCRETE: 4,000 PSI AT 28 DAYS.
- REINFORCING: #6 BAR @ 8" E.W. O.C. (GRADE 60).
- WEIGHT:
 FIRST POUR - 29,604 LBS.
 SECOND POUR - 37,489 LBS.
 TOTAL - 67,093 LBS.



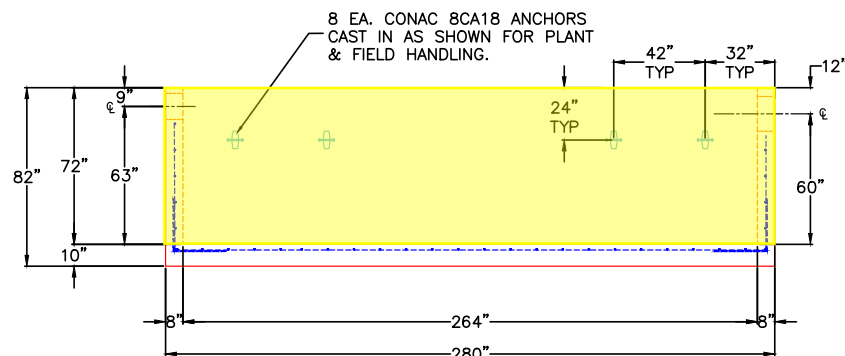
PLAN VIEW

SECOND POUR DRAWING

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

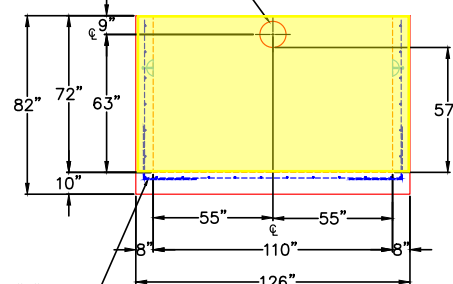


RIGHT VIEW



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

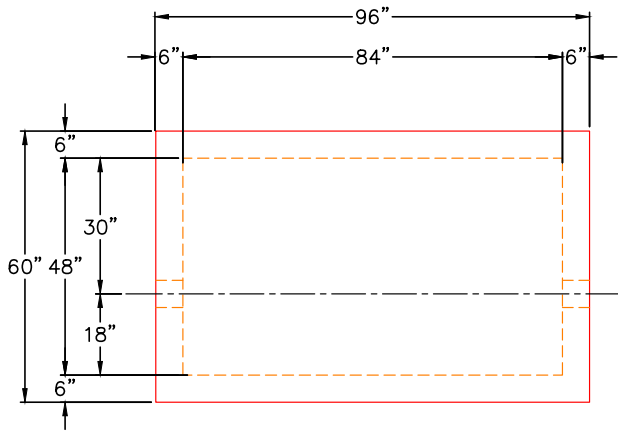
100 lb
 2417 lb
 10702 lb
 116 lb
 0 lb
 0 lb
 0 lb

 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:

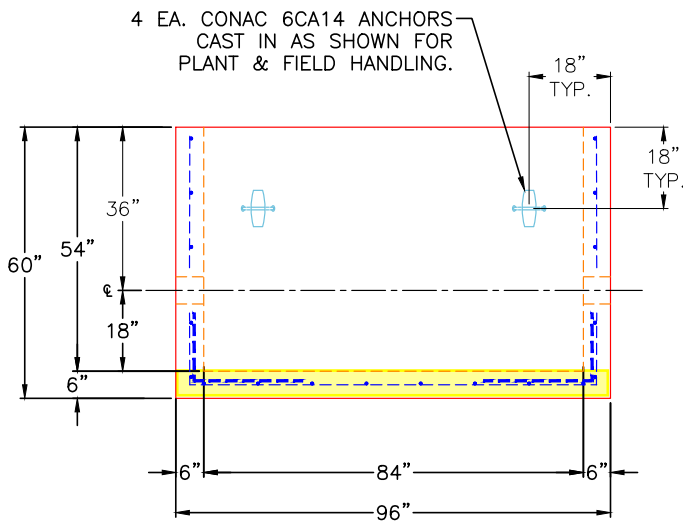


PLAN VIEW

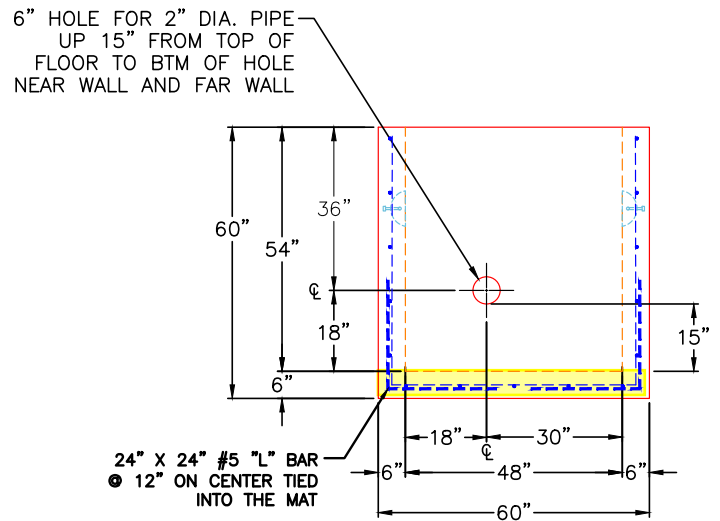
GENERAL NOTES:

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



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

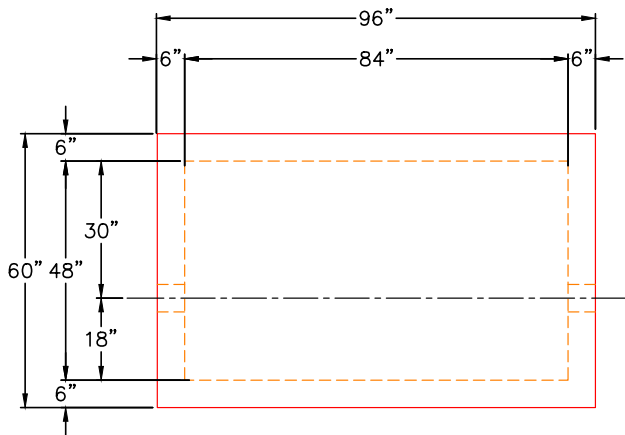
100 lb
 2417 lb
 10702 lb
 116 lb
 0 lb
 0 lb
 0 lb

 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:

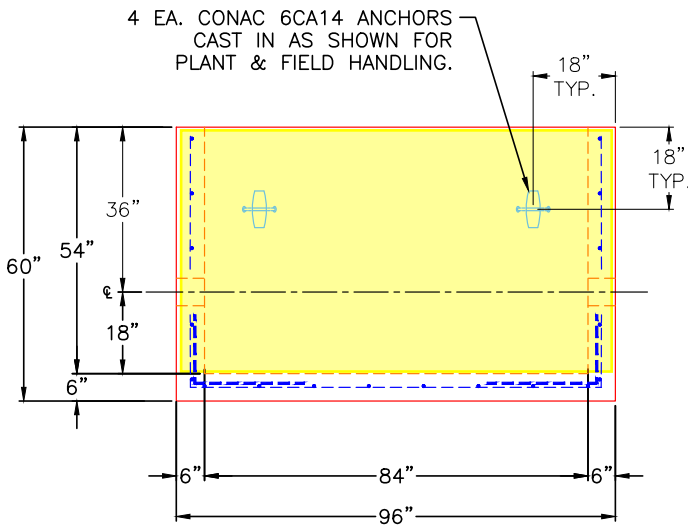


PLAN VIEW

GENERAL NOTES:

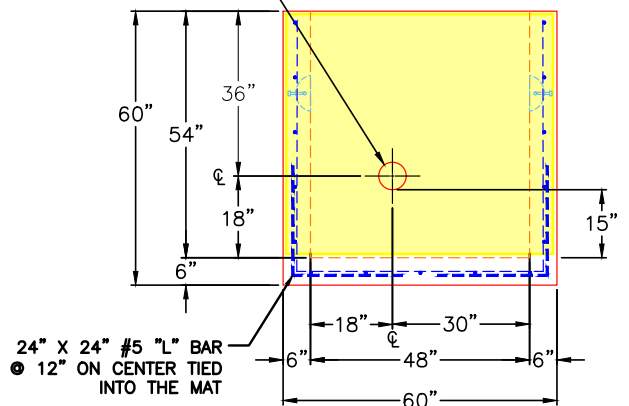
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHT:
 FIRST POUR - 2,900 LBS.
 SECOND POUR - 7,830 LBS.
 TOTAL - 10,730 LBS.

SECOND POUR DRAWING



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

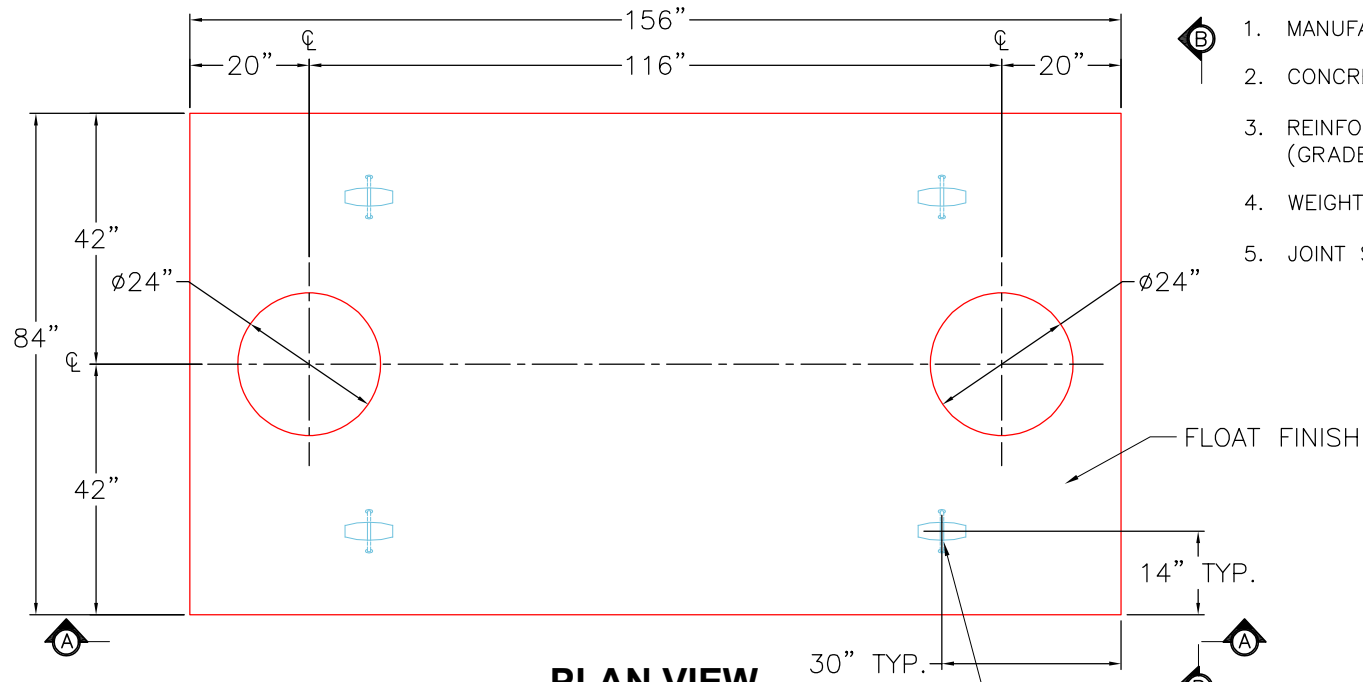
Wall Thickness: 6"
 Floor Height: 6"

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

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

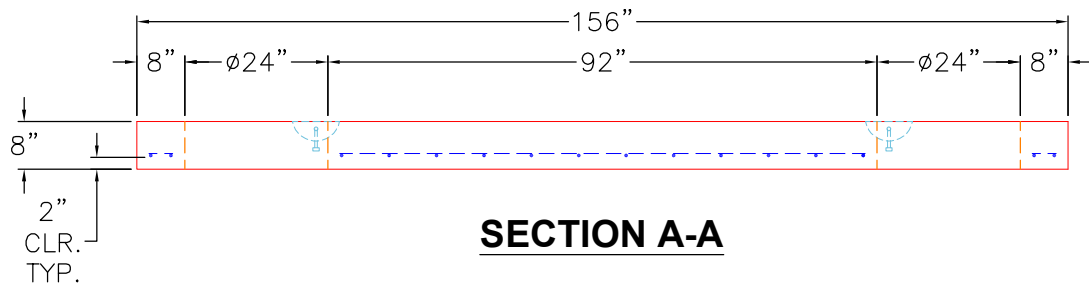
GENERAL NOTES:

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".

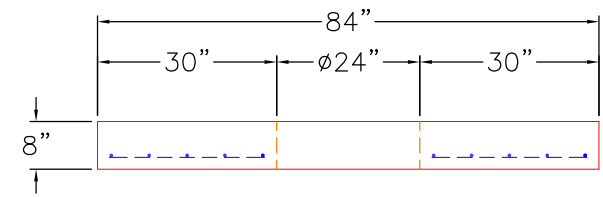


PLAN VIEW


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> <p><input type="checkbox"/> ALL DIMENSIONS CORRECT.</p> <p><input type="checkbox"/> LIFTERS INSTALLED.</p> <p><input type="checkbox"/> OPENING CORRECT.</p> <p><input type="checkbox"/> REINFORCING CORRECT.</p> <p><input type="checkbox"/> SURFACE QUALITY ACCEPTABLE.</p> <p><input type="checkbox"/> EDGES CHAMFERED.</p> <p><input type="checkbox"/> ALL PATCHWORK ACCEPTABLE.</p>		<p>CUSTOMER: CORE & MAIN LP</p>	
	<p>PLANT: BEAVER DAM, KY.</p>		<p>PROJECT: METRO CENTER GREASE TRAP</p>	
	<p>WEIGHT: 8,195 LBS.</p>		<p>STRUCTURE: QL1 GT2000 (1)</p>	
	<p>TOP SECTION JOINT: N/A</p>		<p>ORDER NO: 26-2243</p>	
	<p>BASE SECTION JOINT: N/A</p>		<p>PC: T. RYAN</p>	<p>DRAWING: S. FELLETER</p>
<p>QC CHECK INITIALS:</p>		<p>DATE: 05/07/26</p>	<p>SCALE: NTS</p>	<p>PG. 1 of 1</p>

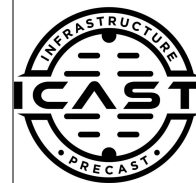
Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
 Job Location: Fort Mitchell, KY 41017
 Contractor: Lykins Contracting

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 - 3"
- 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

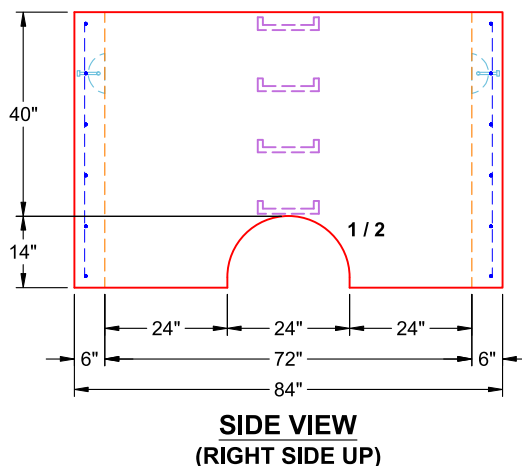
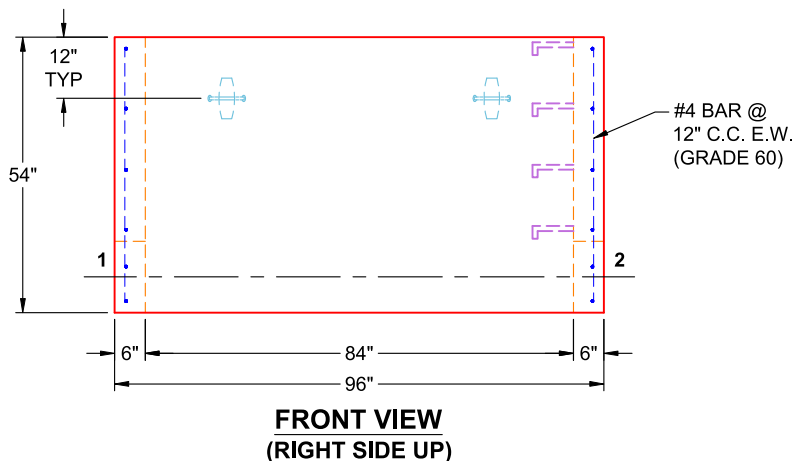
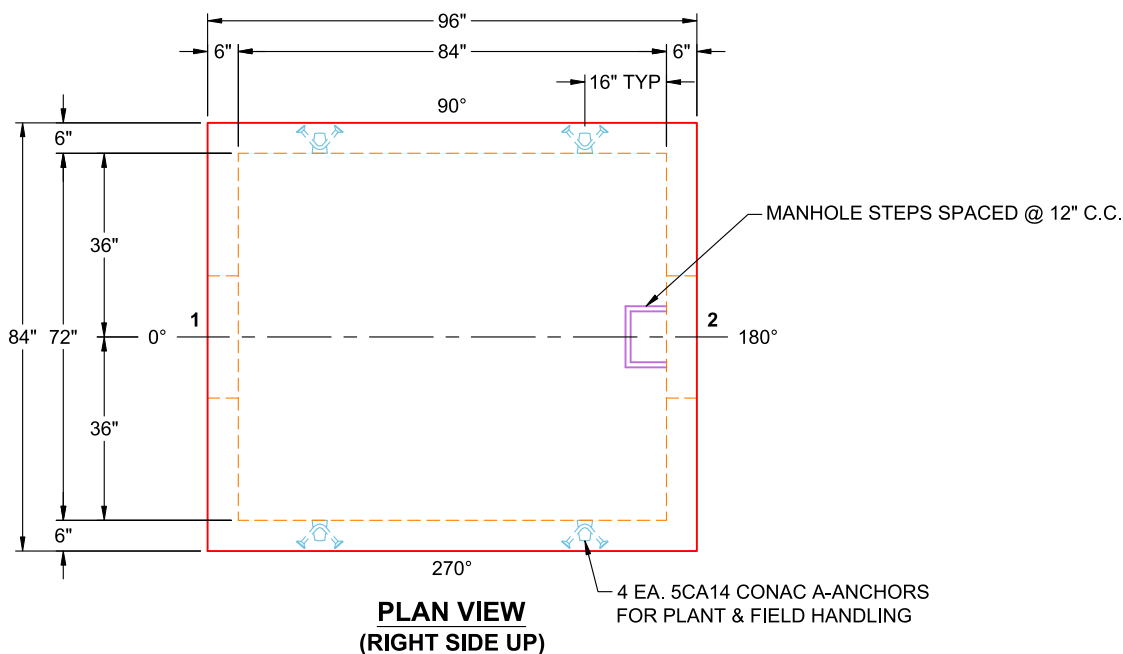
 Structure Total: 15405 lb

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
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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

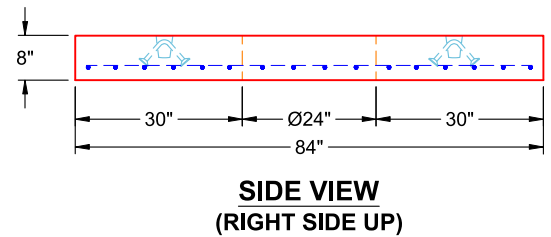
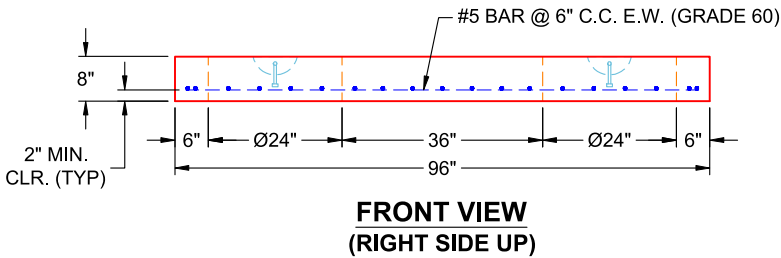
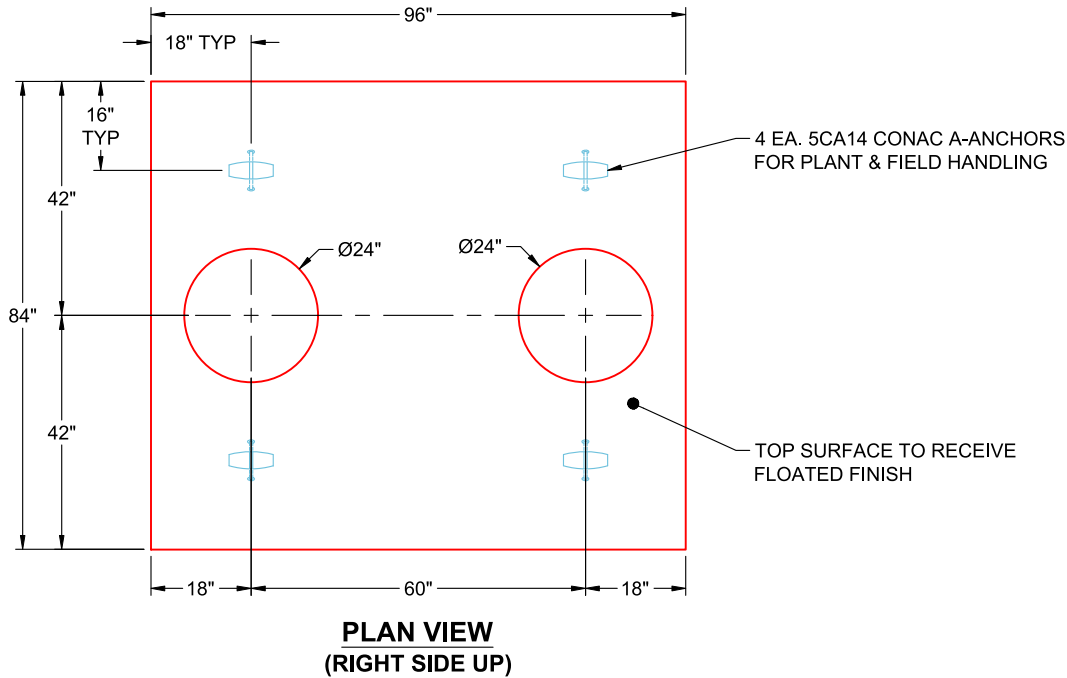
- P4) 24" - CASTING HEIGHT - 7"
- P3) 72" x 84" - CB FLAT TOP 6"W w/(2) 24" HOLES F/F - 8"
- P2) 72" x 84" - BOX RISER 6inW, Variable Ht F/F - 54"
- P1) 72" x 84" - 108" X 16" X 6" Footer Blocks - 2 Ea. F/n - 6"
- 2) 72" x 84" - Conseal CS-102 1.00" (Double)
- 2) DOGHOUSE - 24"x14
- 6) MH Step ML-10-TDS-NCR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