

**Structure ID: 1**

**P2 MH036RS60**

**MH RISER T/G**

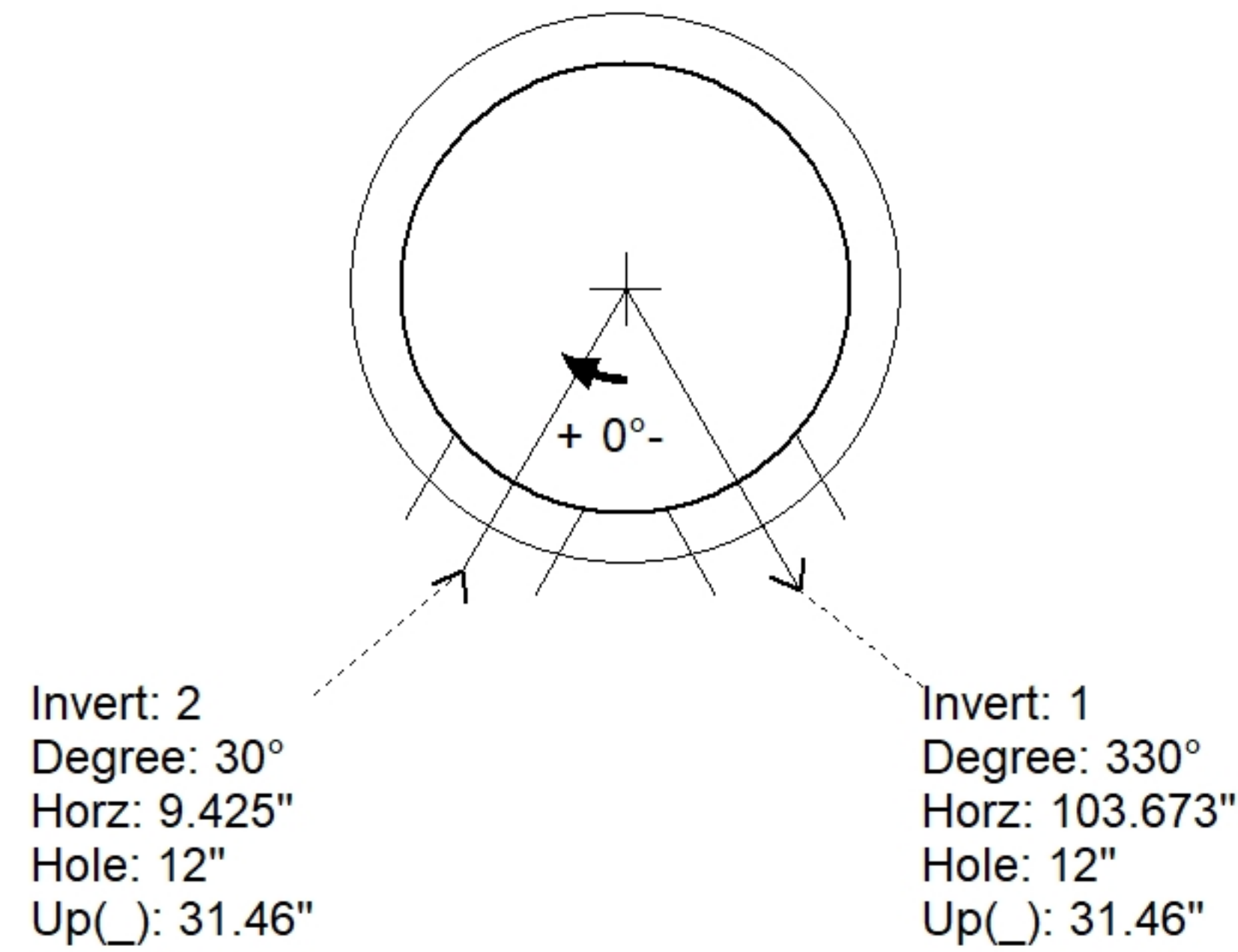
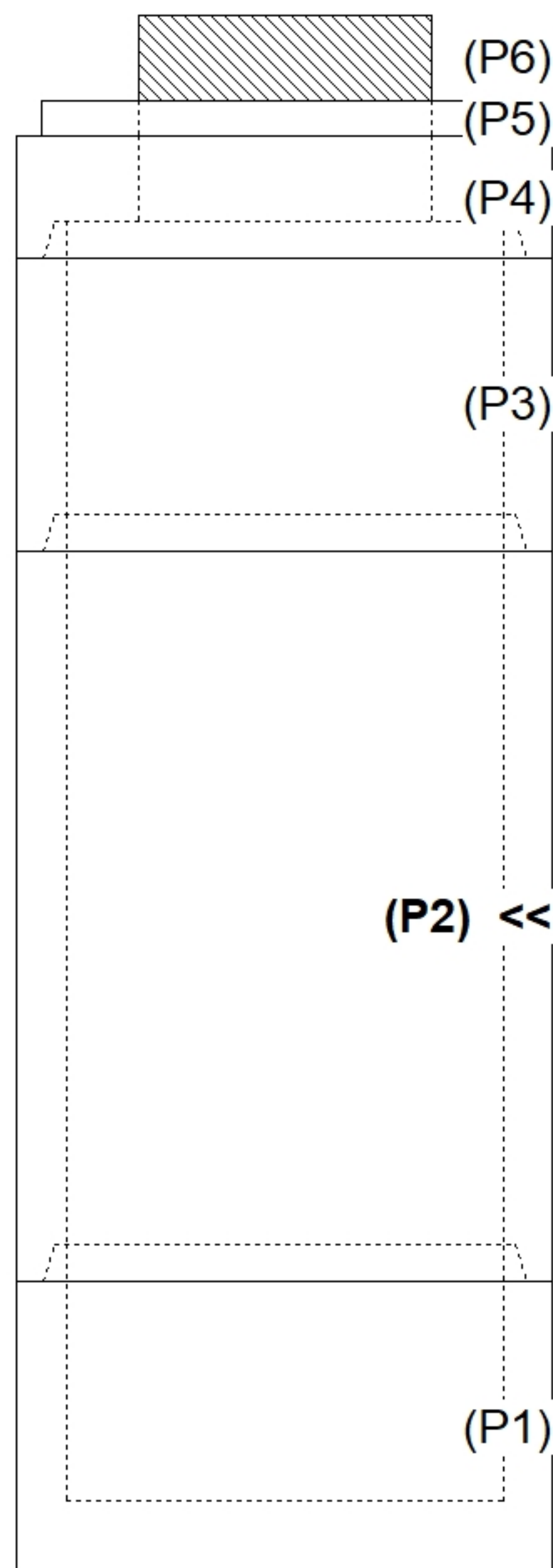
P6) 24" - CASTING HEIGHT - 7" P5) 24" - GRADE RING F/F - 3" P4) 36" - MH FLAT TOP w/ 24" Ctr. Hole F/G - 10" P3) 36" - MH RISER T/G - 24" P2) 36" - MH RISER T/G - 60" P1) 36" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ASSEMBLY REQUIRED 1) CASTING - HOE MC-375 F/C Storm 3) 36" - Conseal CS-102 1.00" (Double) 2) Hole - 12	0 lb 202 lb 896 lb 1012 lb 2454 lb 1525 lb 0 lb 0 lb 0 lb 271 lb 0 lb 0 lb ----- 6360 lb	<b>Structure Notes:</b> 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-375 F/C "STORM"). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.  <b>REINFORCING PER ASTM A615 (GRADE 60).</b> - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
--	---	---

Structure Total: 6360 lb

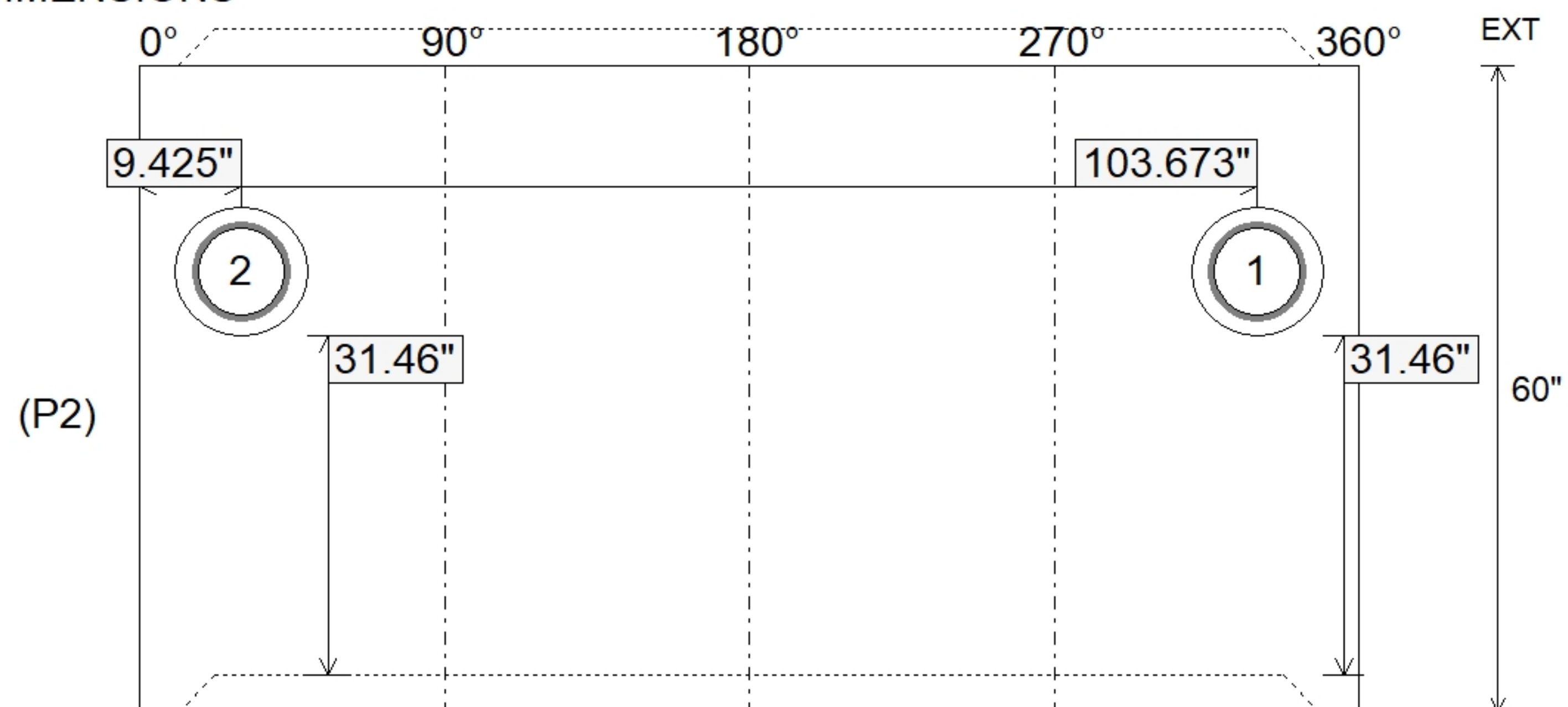
Rim: 558'    Rim to Invert: 5.64'    Slack: 0.64"    Sump: 54.96"    Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	552.36'	330°	126.711"	8" HDPE	9.1"	Hole 12	12"	12.234"	31.46"	0"
Invert 2	552.36'	30°	11.519"	8" HDPE	9.1"	Hole 12	12"	12.234"	31.46"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



**INSIDE WALL DIMENSIONS**



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 4" Floor Height: 0"	Height (Int): 60" Height (Ext): 60"	Weight (Net): 2454 lb Volume (Net): 0.63cu.yd
----------------------------------	------------------------------------	--	--	--

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

Tech: Jared - A

5/14/2026 2:17:27 PM

PC: A. Chambers



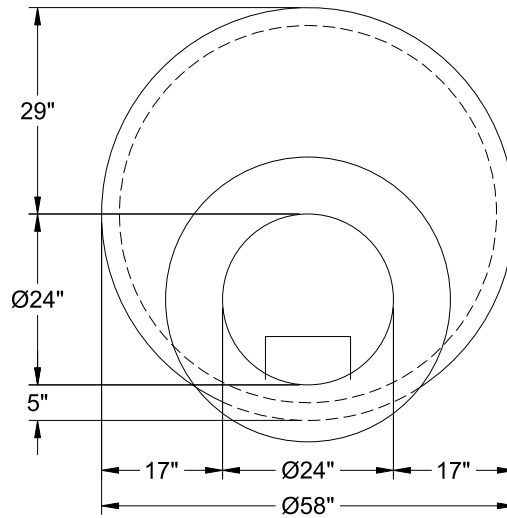
**Structure ID: A-5**

**P3 MH048CN42CDARED**

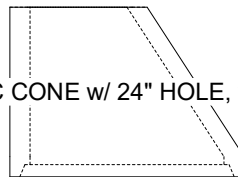
**ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G**

P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"	202 lb
P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42"	3116 lb
P2) 48" - MH RISER SPECIAL w/ConBlock-CDA Red T/G - 72"	5009 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36"	3749 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
1) CASTING - JBS 1155 F/C SANITARY	250 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
1) PSX - 8QRS DD	6 lb
13) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>13789 lb</b>

Structure Notes:  
 1. PER ASTM C-478 SPECIFICATIONS  
 2. CONCRETE: 4,000 PSI AT 28 DAYS  
 3. REINFORCEMENT: PER ASTM A615  
 4. CONBLOCK CDA RED ADMIXTURE REQUIRED  
 5. STEPS REQUIRED  
 6. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST



48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" - (P3)



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 42"

Weight (Net): 3116 lb  
 Volume (Net): 0.8cu.yd

**Structure ID: A-3**

**P2 MH048RS60CDARED**

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

P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36"	2251 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
1) CASTING - JBS 1155 F/C SANITARY	250 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
15) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>15670 lb</b>

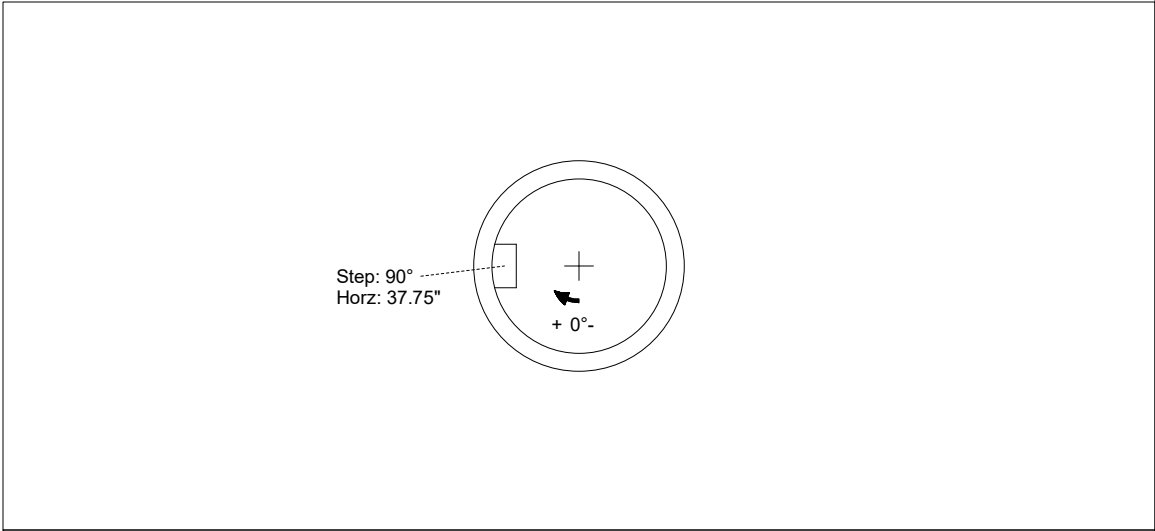
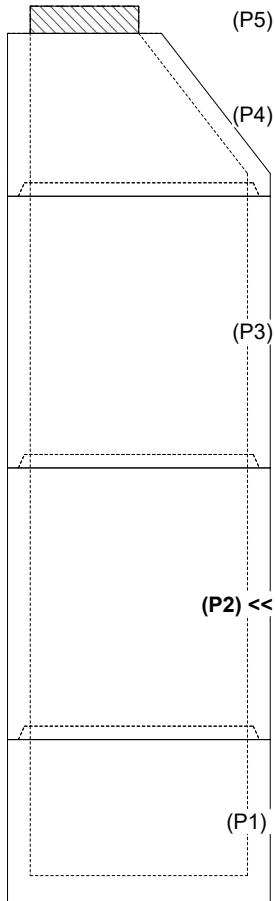
Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. CONBLOCK CDA RED ADMIXTURE REQUIRED
5. STEPS AT 90 DEGREES
6. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

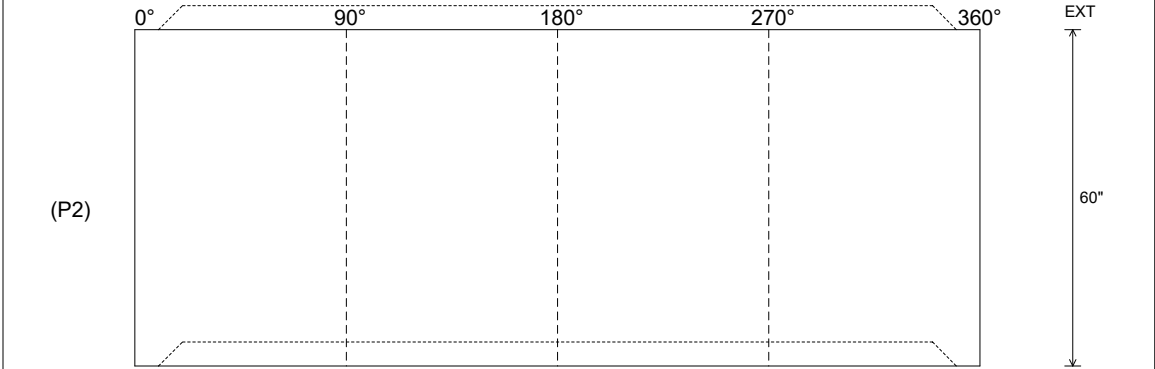
Rim: 429.93'    Rim to Invert: 15.91'    Slack: 0.92"    Sump: 2"    Step Position: 90°

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

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
----------------------------------	------------------------------------	--	--	--

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

Tech: Jared - A

5/14/2026 2:16:52 PM

PC: A. Chambers



**Structure ID: A-2**

**P3 MH048RS60CDARED**

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

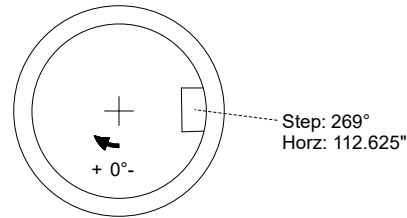
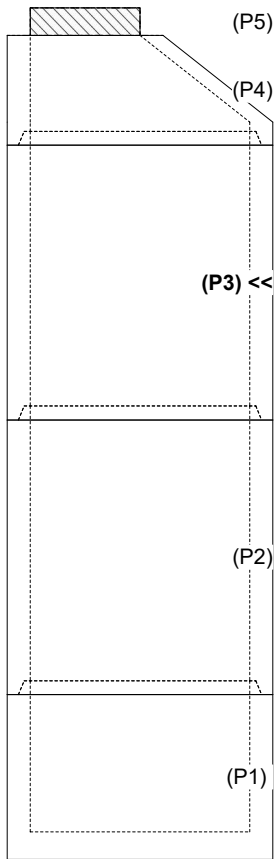
P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 24"	1738 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
1) CASTING - JBS 1155 F/C SANITARY	250 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
14) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>15158 lb</b>

Structure Notes:  
 1. PER ASTM C-478 SPECIFICATIONS  
 2. CONCRETE: 4,000 PSI AT 28 DAYS  
 3. REINFORCEMENT: PER ASTM A615  
 4. CONBLOCK CDA RED ADMIXTURE REQUIRED  
 5. STEPS AT 269 DEGREES  
 6. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

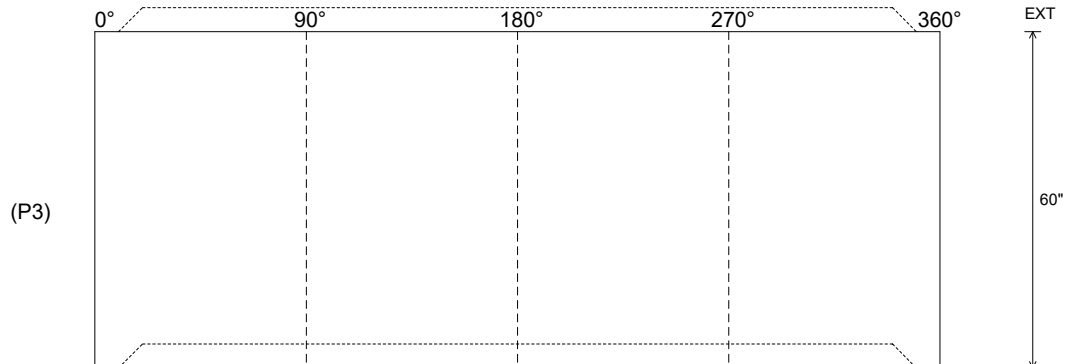
Rim: 427.11' Rim to Invert: 14.79' Slack: -0.52" Sump: 2" Step Position: 269°

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

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

5/14/2026 2:16:51 PM

Tech: Jared - A

PC: A. Chambers



**Structure ID: A-1**

**P3 MH048RS72CDARED**

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

- P5) 24" - CASTING HEIGHT - 6" 0 lb
- P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" 1961 lb
- P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" 5030 lb
- P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" 5030 lb
- P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 3330 lb
- 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1440 lb
- 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 0 lb
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
- 1) ADMIXTURE CONBLOCK CDA RED 0 lb
- 1) CASTING - JBS 1155 F/C SANITARY 250 lb
- 3) 48" - Conseal CS-102 1.00" (Double) 0 lb
- 1) 24" - Conseal CS-102 1.00" (Double) 0 lb
- 2) PSX - 12-08 NYLO 16 lb
- 17) MH Step ML-10-TDS-NCR - 10" 0 lb

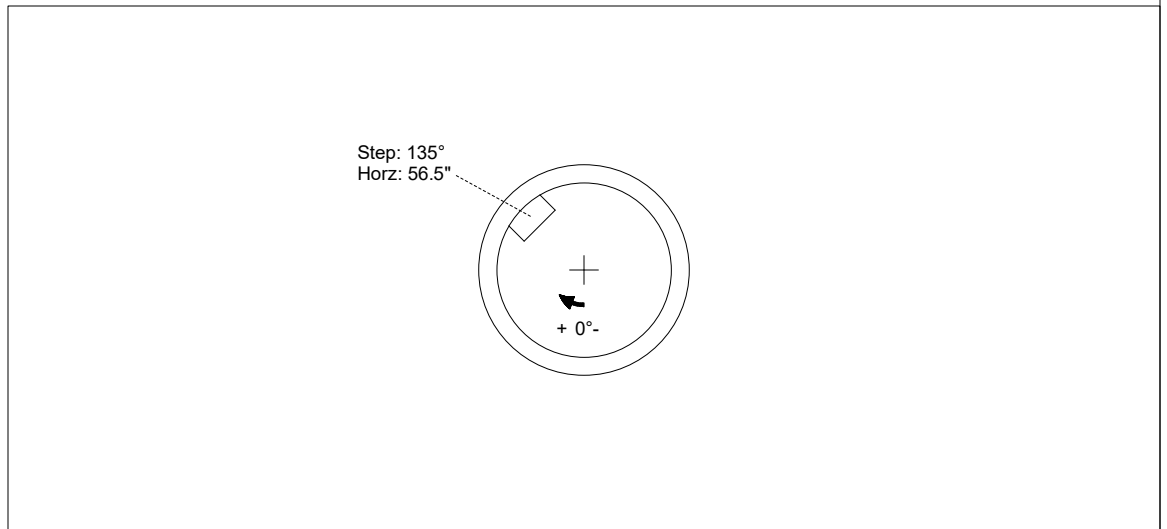
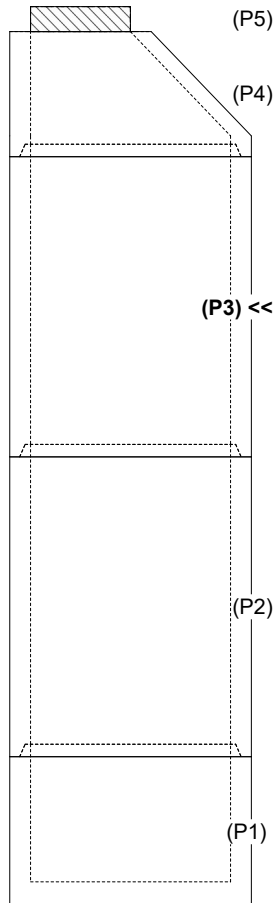
- Structure Notes:
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. CONBLOCK CDA RED ADMIXTURE REQUIRED
  5. STEPS AT 135 DEGREES
  6. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Structure Total: 17057 lb

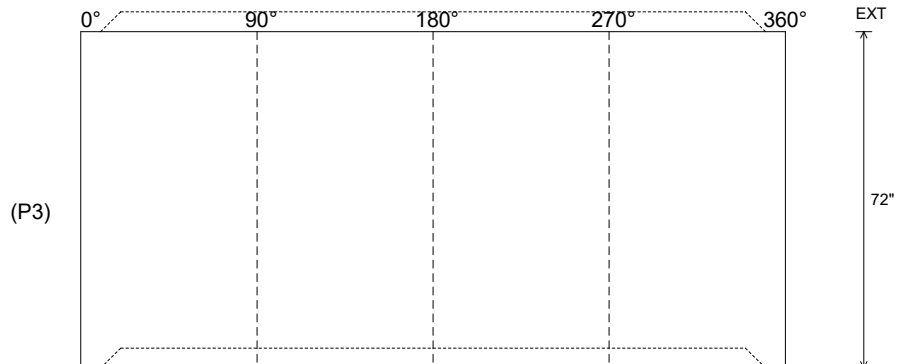
Rim: 428.02' Rim to Invert: 17.38' Slack: 0.56" Sump: 2" Step Position: 135°

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): 72"  
Height (Ext): 72"

Weight (Net): 5030 lb  
Volume (Net): 1.28cu.yd

Job Name: 26-1075 - Walmart Fuel Station 00674-1008  
 Job Location: Gallatin, TN  
 Contractor: Stewart Richey

Plant: 100

5/26/2026 11:48:23 AM

Tech: Jared - A

PC: T. Lewis



**Structure ID: JB 1 (2)**

**P1 MH048BAEVF**

**MH BASE EF Cust. Ht. 08"F (08"EF =74"OD) T/n**

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - CON CONE w/24" HOLE, NO STEPS F/G - 24"
- P1) 48" - MH BASE EF Cust. Ht. 08"F (08"EF =74"OD) T/n - 40"
- 1) CASTING - JBS 1150 F/C STORM
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" - Conseal CS-102 1.00"
- 2) Hole - 30

0 lb  
 2252 lb  
 5049 lb  
 250 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 7551 lb

Structure Total:

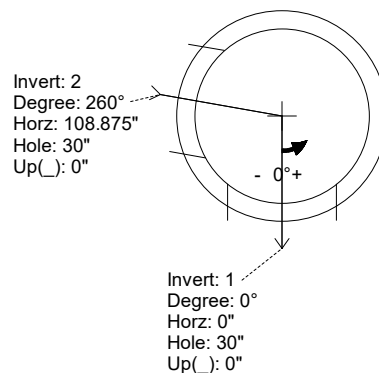
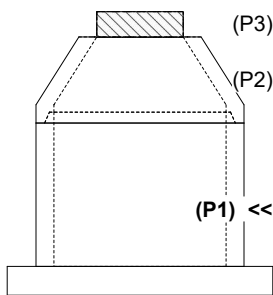
- Structure Notes:
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. STORM INVERT BY OTHERS
  5. NO STEPS
  6. JBS 1150 FRAME & COVER "STORM" SUPPLIED BY ICAST

Rim: 519.75' Rim to Invert: 5.86' Slack: 1.22" Sump: 1.9" Step Position:

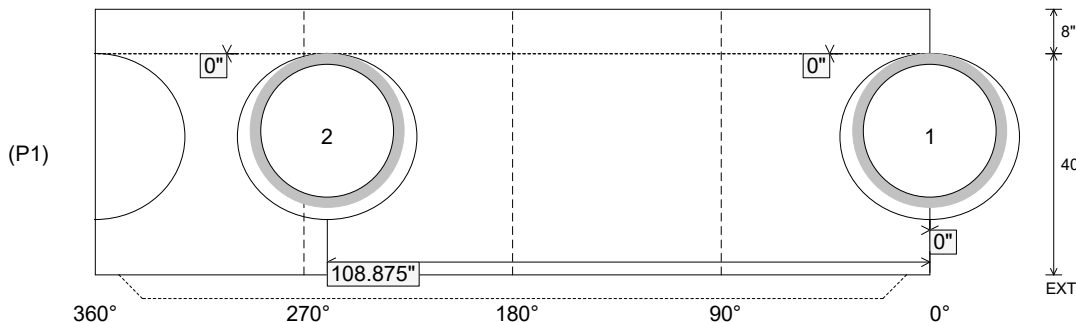
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	513.89'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"
Invert 2	513.89'	260°	131.625"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 8"

Height (Int): 40"  
 Height (Ext): 48"

Weight (Net): 5049 lb  
 Volume (Net): 1.29cu.yd

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

5/14/2026 2:16:02 PM

Tech: Jared - A

PC: A. Chambers



**Structure ID: A-6**

**P1 MH048BA24CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

- P4) 24" - CASTING HEIGHT - 6"
- P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36"
- P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48"
- P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24"
- 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) ADMIXTURE CONBLOCK CDA RED
- 1) CASTING - JBS 1155 F/C SANITARY
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 3) PSX - 12-08 NYLO
- 9) MH Step ML-10-TDS-NCR - 10"

0 lb  
 2251 lb  
 3353 lb  
 2863 lb  
 1440 lb  
 0 lb  
 0 lb  
 0 lb  
 250 lb  
 0 lb  
 0 lb  
 24 lb  
 0 lb  
 -----  
 Structure Total: 10182 lb

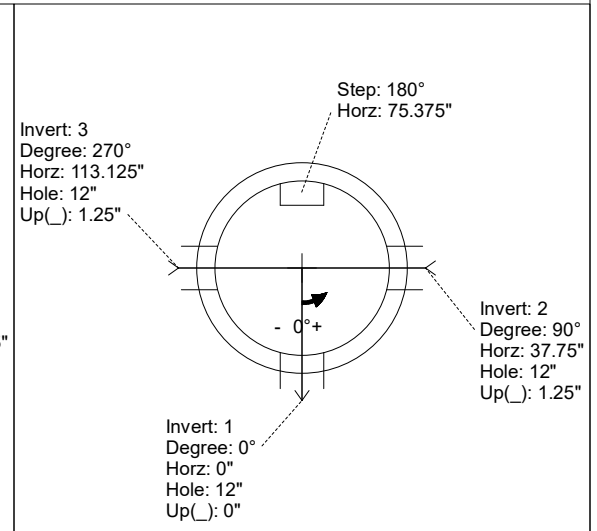
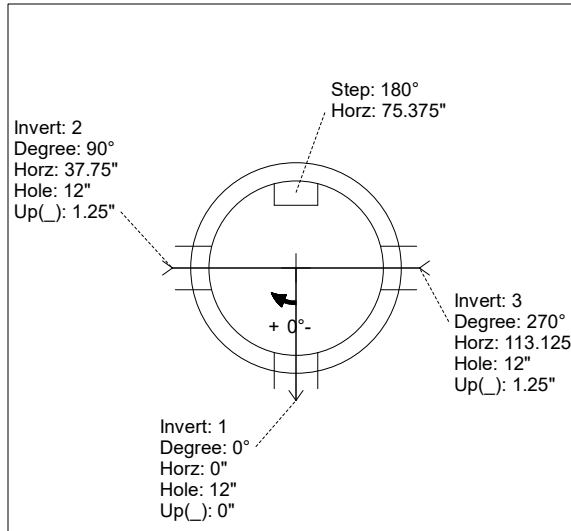
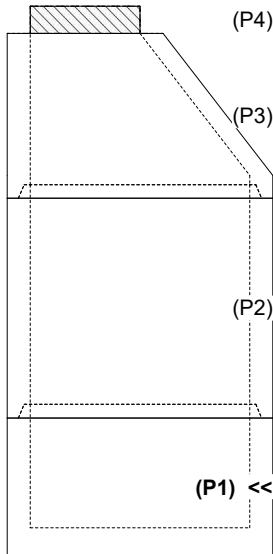
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. INVERT CHANNEL REQUIRED
  5. CONBLOCK CDA RED ADMIXTURE REQUIRED
  6. STEPS AT 180 DEGREES
  7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 427.41' Rim to Invert: 9.45' Slack: 1.4" Sump: 2" Step Position: 180°

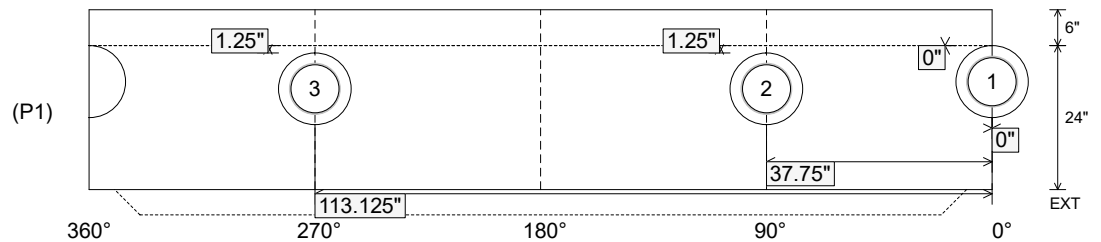
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	417.96'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	418.06'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3	418.06'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 6"

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

Weight (Net): 2863 lb  
 Volume (Net): 0.73cu.yd

**Structure ID: A-6**

**P1 MH048BA24CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

P4) 24" - CASTING HEIGHT - 6" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24" 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ADMIXTURE CONBLOCK CDA RED 1) CASTING - JBS 1155 F/C SANITARY 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 9) MH Step ML-10-TDS-NCR - 10"	0 lb 2251 lb 3353 lb 2863 lb 1440 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 10182 lb
---	---

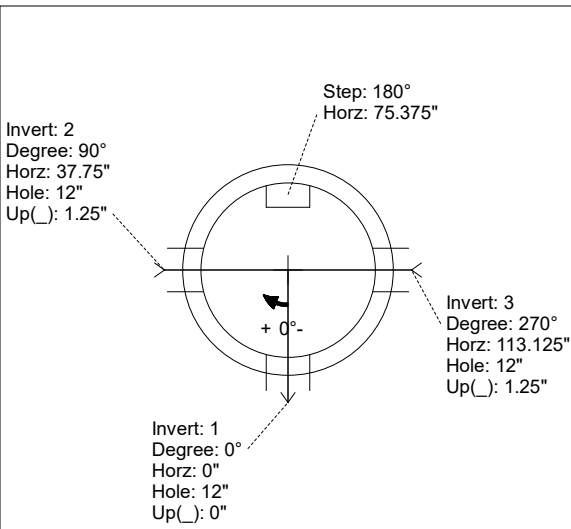
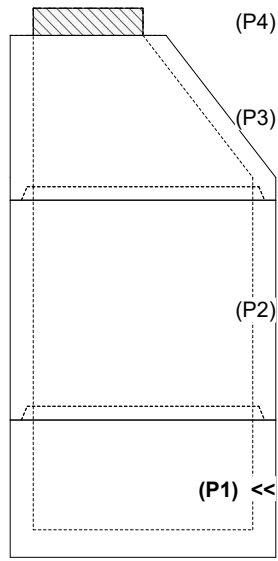
**Structure Notes:**

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. CONBLOCK CDA RED ADMIXTURE REQUIRED
6. STEPS AT 180 DEGREES
7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 427.41'    Rim to Invert: 9.45'    Slack: 1.4"    Sump: 2"    Step Position: 180°

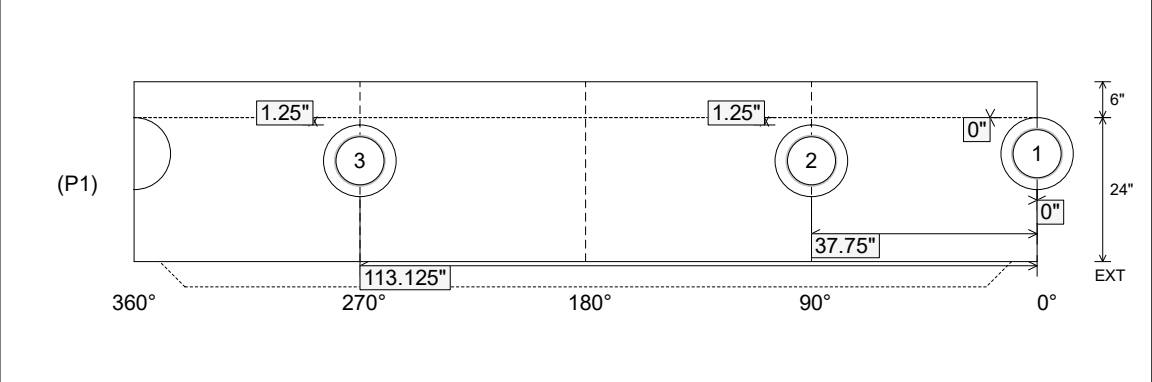
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	417.96'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	418.06'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3	418.06'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2863 lb Volume (Net): 0.73cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

5/14/2026 2:16:01 PM

Tech: Jared - A

PC: A. Chambers



**Structure ID: A-5**

**P1 MH048BA36CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"	202 lb
P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42"	3116 lb
P2) 48" - MH RISER SPECIAL w/ConBlock-CDA Red T/G - 72"	5009 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36"	3749 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
1) CASTING - JBS 1155 F/C SANITARY	250 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
1) PSX - 8QRS DD	6 lb
13) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>13789 lb</b>

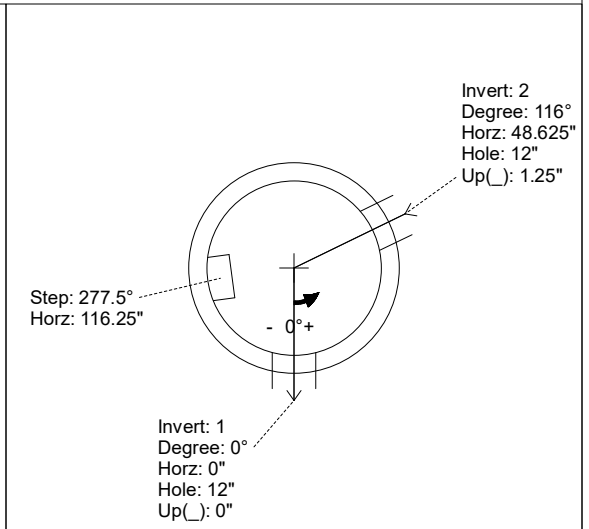
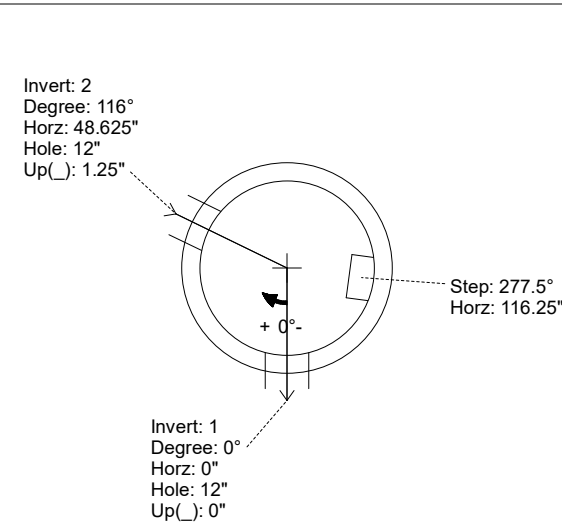
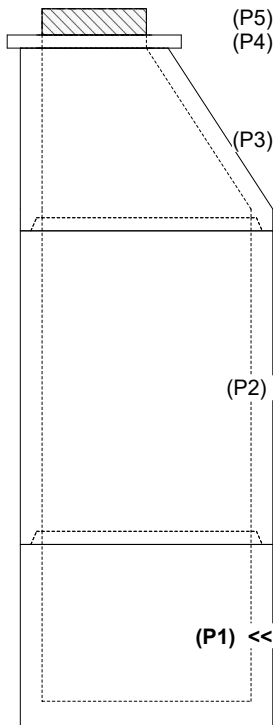
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. INVERT CHANNEL REQUIRED
  5. CONBLOCK CDA RED ADMIXTURE REQUIRED
  6. STEPS AT 277.5 DEGREES
  7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 429.84' Rim to Invert: 13.14' Slack: 0.68" Sump: 2" Step Position: 277.5°

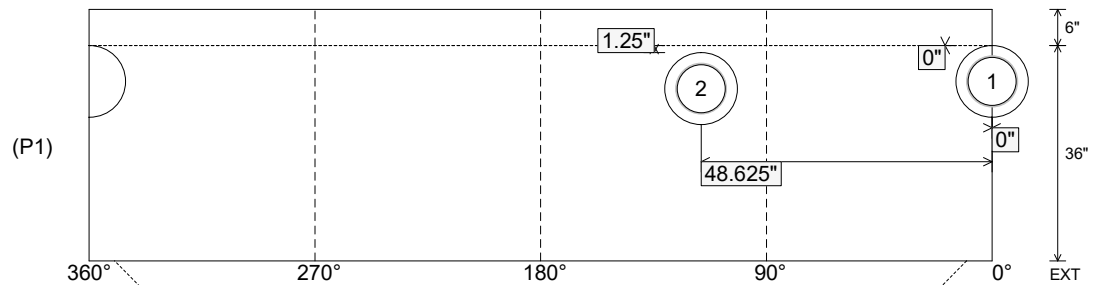
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	416.7'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	416.8'	116°	58.75"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 36"  
Height (Ext): 42"

Weight (Net): 3749 lb  
Volume (Net): 0.96cu.yd

**Structure ID: A-5**

**P1 MH048BA36CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

P5) 24" - CASTING HEIGHT - 6" P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P2) 48" - MH RISER SPECIAL w/ConBlock-CDA Red T/G - 72" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ADMIXTURE CONBLOCK CDA RED 1) CASTING - JBS 1155 F/C SANITARY 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) PSX - 8QRS DD 13) MH Step ML-10-TDS-NCR - 10"	0 lb 202 lb 3116 lb 5009 lb 3749 lb 1440 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 16 lb 6 lb 0 lb ----- Structure Total: 13789 lb
--	---

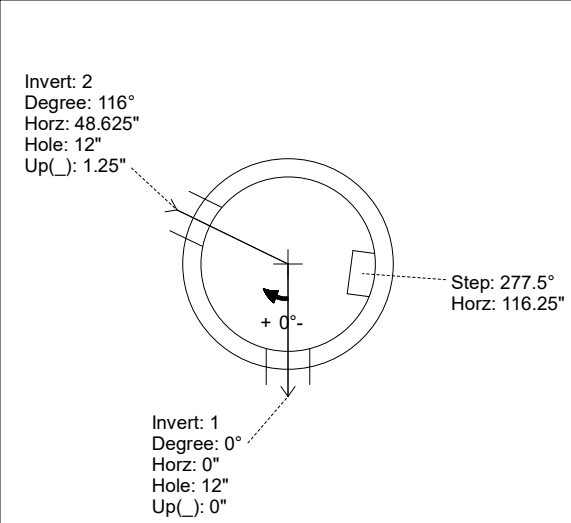
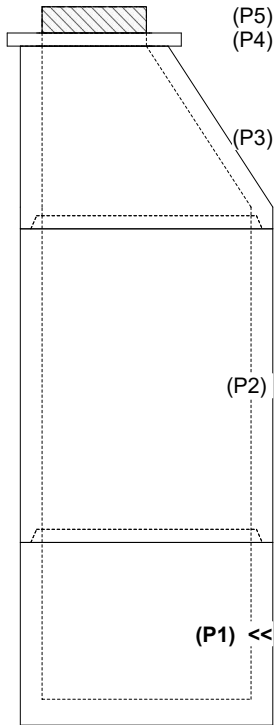
Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. CONBLOCK CDA RED ADMIXTURE REQUIRED
6. STEPS AT 277.5 DEGREES
7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 429.84'    Rim to Invert: 13.14'    Slack: 0.68"    Sump: 2"    Step Position: 277.5°

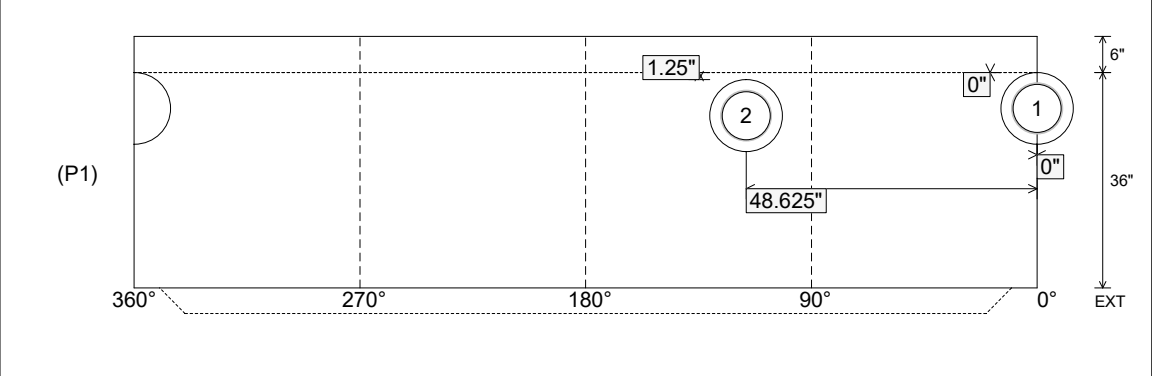
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	416.7'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	416.8'	116°	58.75"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



INVERT CHANNEL DRAWING

**INSIDE WALL DIMENSIONS**



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

5/14/2026 2:16:00 PM

Tech: Jared - A

PC: A. Chambers



**Structure ID: A-4**

**P1 MH048BA24CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42"	3116 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48"	3353 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24"	2911 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
1) CASTING - JBS 1155 F/C SANITARY	250 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
15) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>15278 lb</b>

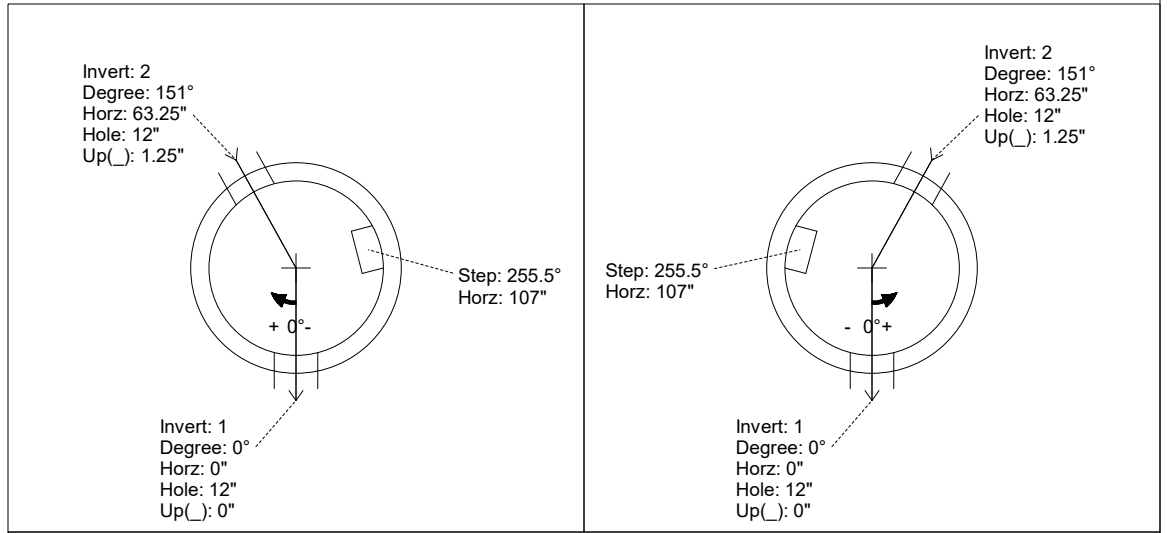
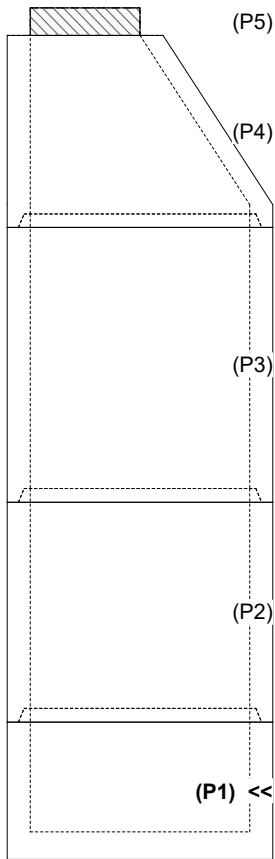
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. INVERT CHANNEL REQUIRED
  5. CONBLOCK CDA RED ADMIXTURE REQUIRED
  6. STEPS AT 255.5 DEGREES
  7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 430.44' Rim to Invert: 14.91' Slack: 0.92' Sump: 2" Step Position: 255.5°

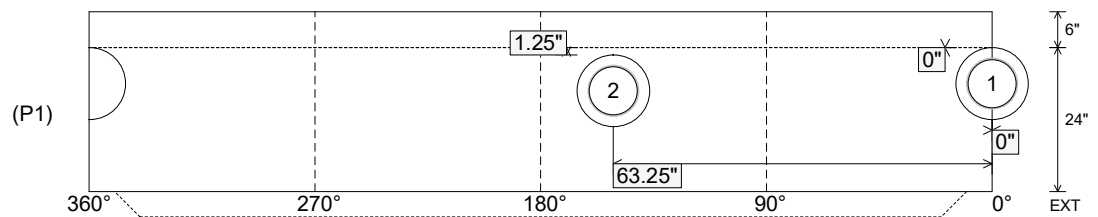
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	415.53'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	415.63'	151°	76.375"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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

**Structure ID: A-4**

**P1 MH048BA24CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

P5) 24" - CASTING HEIGHT - 6" P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24" 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ADMIXTURE CONBLOCK CDA RED 1) CASTING - JBS 1155 F/C SANITARY 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 15) MH Step ML-10-TDS-NCR - 10"	0 lb 3116 lb 4192 lb 3353 lb 2911 lb 1440 lb 0 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 0 lb 16 lb 0 lb <hr style="width: 50px; margin-left: auto; margin-right: 0;"/> Structure Total: 15278 lb
---	--

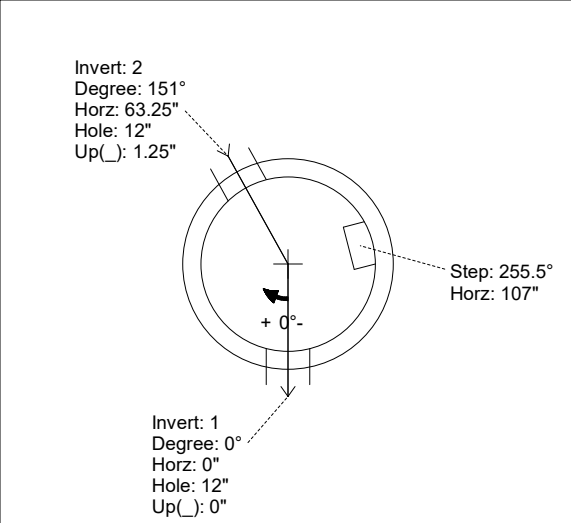
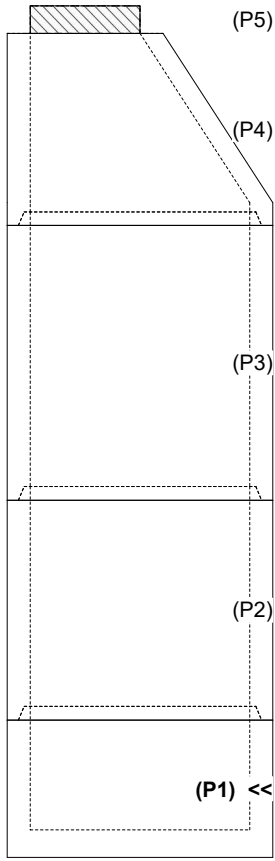
**Structure Notes:**

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. CONBLOCK CDA RED ADMIXTURE REQUIRED
6. STEPS AT 255.5 DEGREES
7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 430.44'    Rim to Invert: 14.91'    Slack: 0.92"    Sump: 2"    Step Position: 255.5°

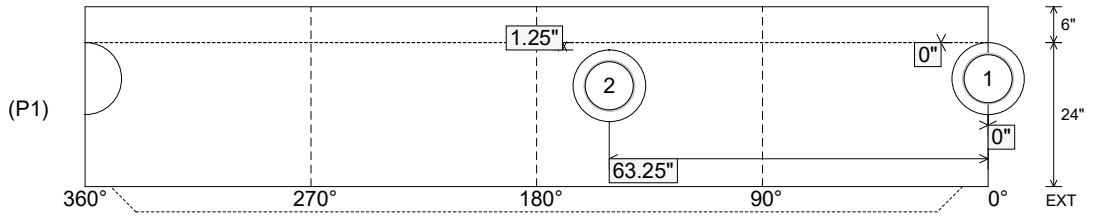
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	415.53'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	415.63'	151°	76.375"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



INVERT CHANNEL DRAWING

**INSIDE WALL DIMENSIONS**



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

**Structure ID: A-4**

**P2 MH048RS48CDARED**

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

P5) 24" - CASTING HEIGHT - 6" P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24" 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ADMIXTURE CONBLOCK CDA RED 1) CASTING - JBS 1155 F/C SANITARY 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 15) MH Step ML-10-TDS-NCR - 10"	0 lb 3116 lb 4192 lb 3353 lb 2911 lb 1440 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 15278 lb
---	--

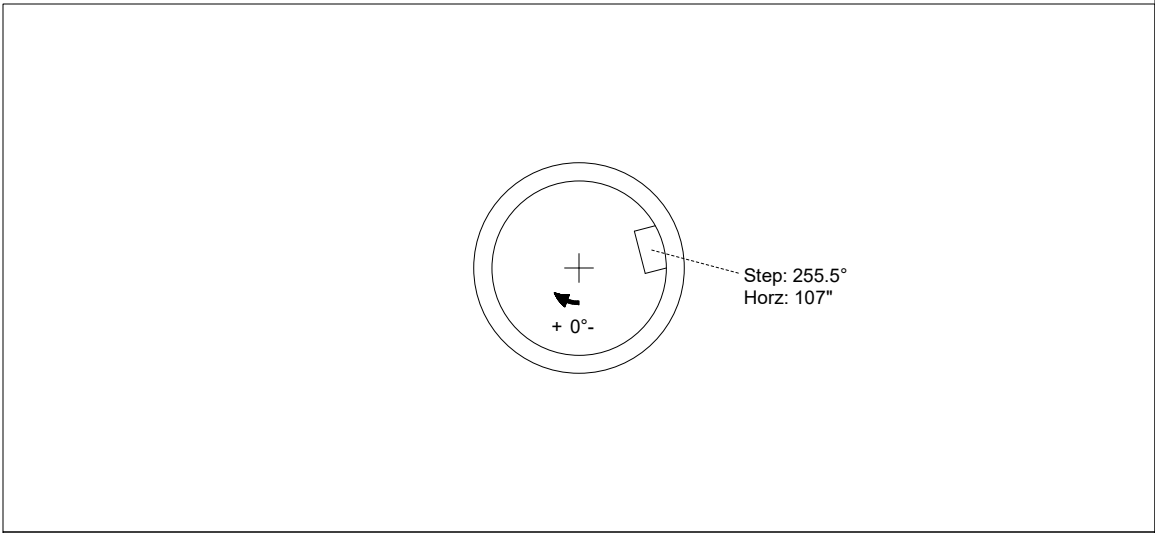
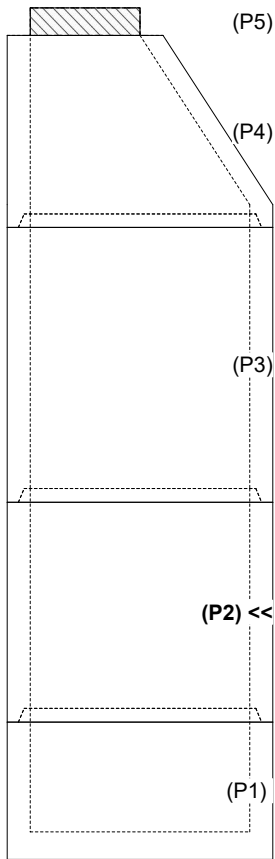
Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. CONBLOCK CDA RED ADMIXTURE REQUIRED
5. STEPS AT 255.5 DEGREES
6. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

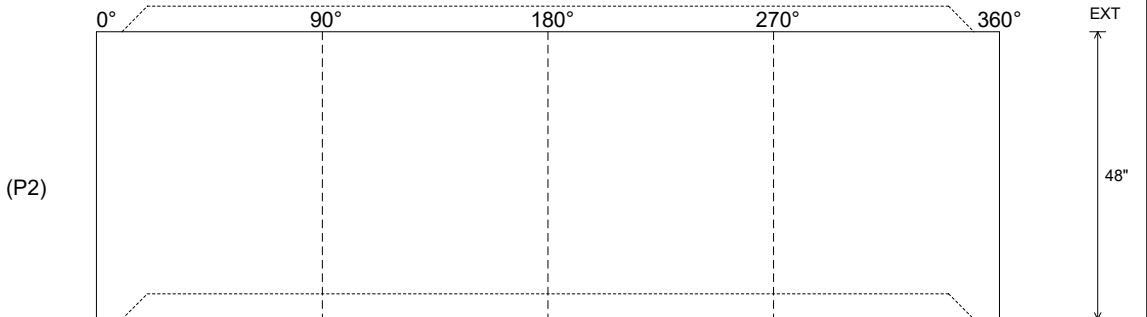
Rim: 430.44'    Rim to Invert: 14.91'    Slack: 0.92"    Sump: 2"    Step Position: 255.5°

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

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



**INSIDE WALL DIMENSIONS**



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

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

5/14/2026 2:15:59 PM

Tech: Jared - A

PC: A. Chambers



**Structure ID: A-3**

**P1 MH048BA30CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36"	2251 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
1) CASTING - JBS 1155 F/C SANITARY	250 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
15) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>15670 lb</b>

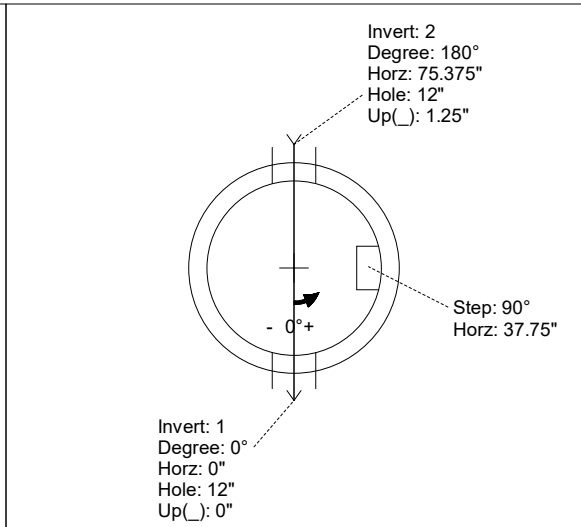
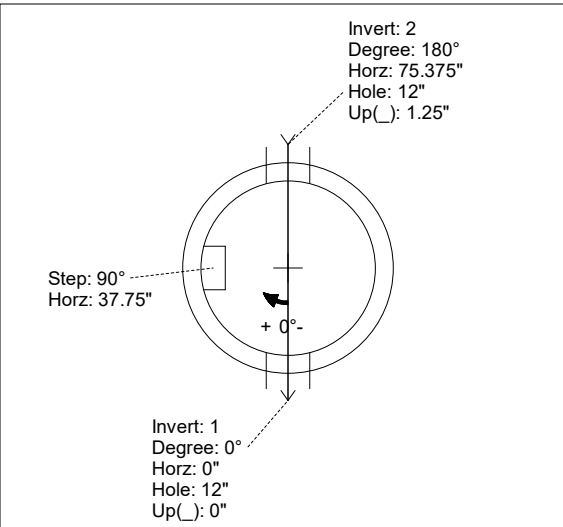
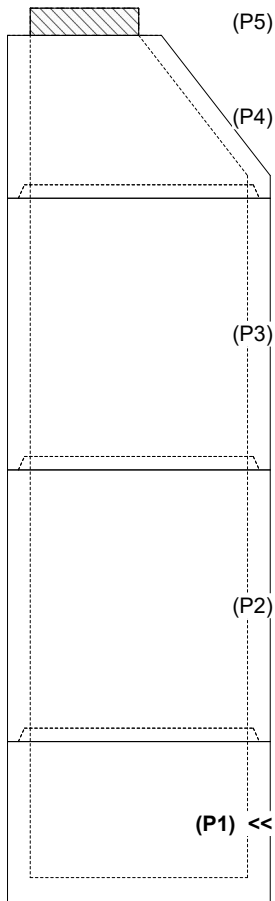
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. INVERT CHANNEL REQUIRED
  5. CONBLOCK CDA RED ADMIXTURE REQUIRED
  6. STEPS AT 90 DEGREES
  7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 429.93' Rim to Invert: 15.91' Slack: 0.92" Sump: 2" Step Position: 90°

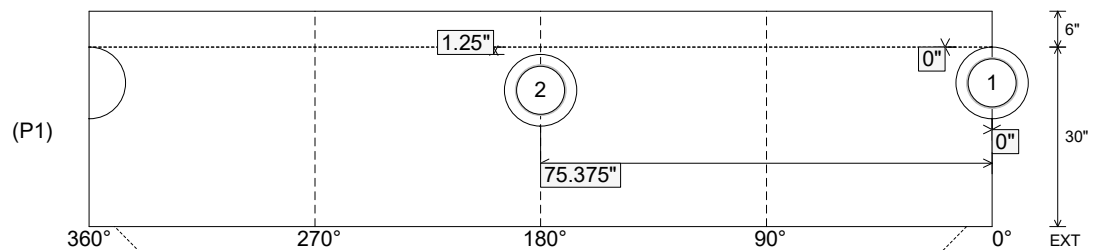
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	414.02'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	414.12'	180°	91.125"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 30"  
Height (Ext): 36"

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

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

5/14/2026 2:15:59 PM

Tech: Jared - A

PC: A. Chambers



**Structure ID: A-3**

**P1 MH048BA30CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

- P5) 24" - CASTING HEIGHT - 6" 0 lb
- P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" 2251 lb
- P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" 4192 lb
- P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" 4192 lb
- P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 3330 lb
- 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1440 lb
- 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 0 lb
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
- 1) ADMIXTURE CONBLOCK CDA RED 0 lb
- 1) CASTING - JBS 1155 F/C SANITARY 250 lb
- 3) 48" - Conseal CS-102 1.00" (Double) 0 lb
- 1) 24" - Conseal CS-102 1.00" (Double) 0 lb
- 2) PSX - 12-08 NYLO 16 lb
- 15) MH Step ML-10-TDS-NCR - 10" 0 lb

- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. INVERT CHANNEL REQUIRED
  5. CONBLOCK CDA RED ADMIXTURE REQUIRED
  6. STEPS AT 90 DEGREES
  7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

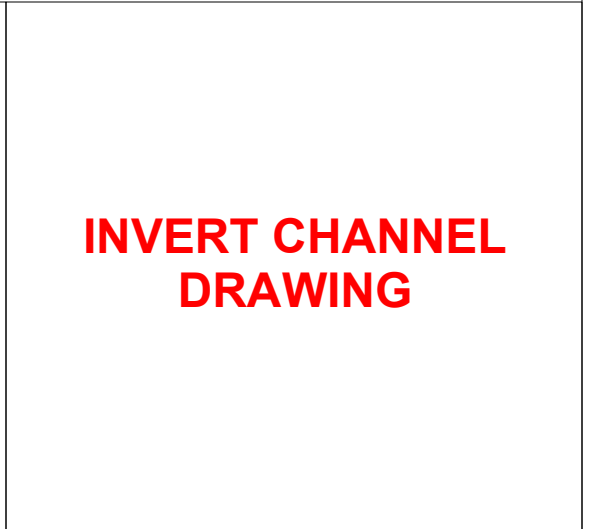
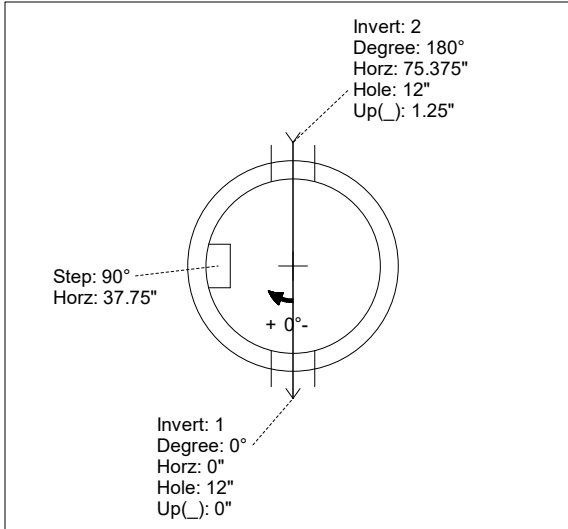
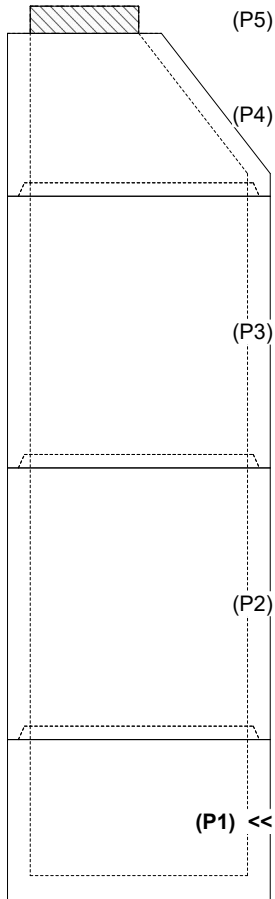
Structure Total: 15670 lb

Rim: 429.93' Rim to Invert: 15.91' Slack: 0.92" Sump: 2" Step Position: 90°

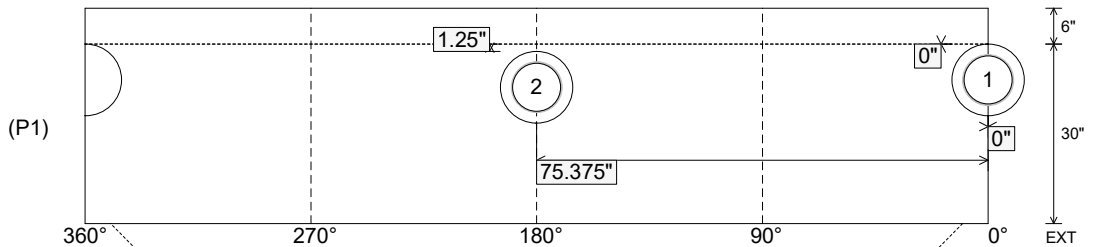
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	414.02'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	414.12'	180°	91.125"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 30"  
Height (Ext): 36"

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

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

5/14/2026 2:15:58 PM

Tech: Jared - A

PC: A. Chambers



**Structure ID: A-2**

**P1 MH048BA30CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 24"	1738 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
1) CASTING - JBS 1155 F/C SANITARY	250 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
14) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>15158 lb</b>

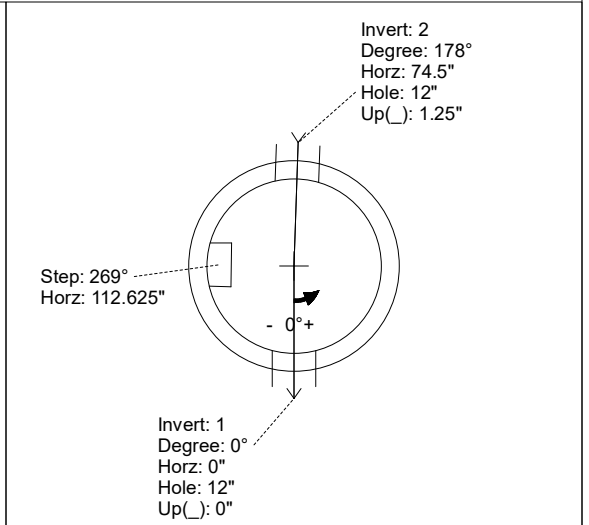
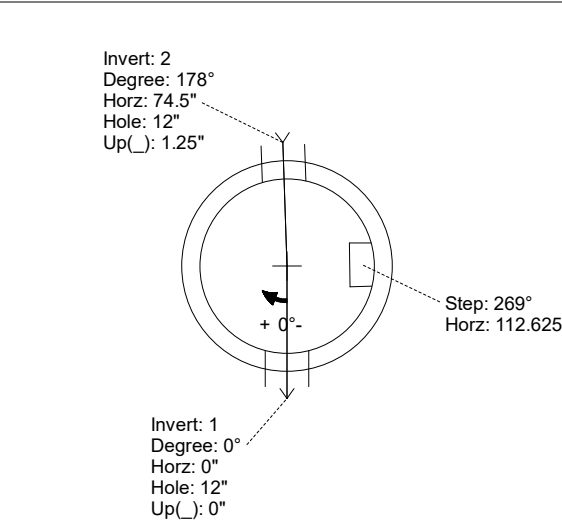
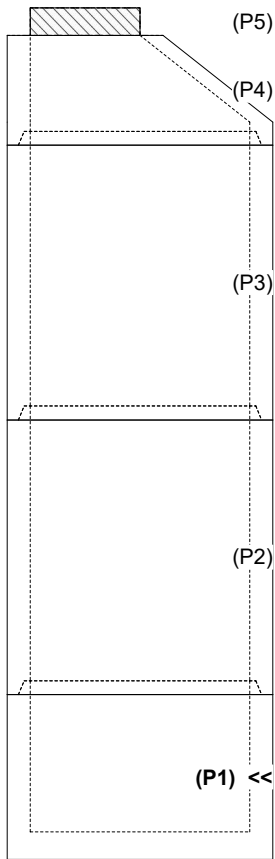
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. INVERT CHANNEL REQUIRED
  5. CONBLOCK CDA RED ADMIXTURE REQUIRED
  6. STEPS AT 269 DEGREES
  7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 427.11' Rim to Invert: 14.79' Slack: -0.52" Sump: 2" Step Position: 269°

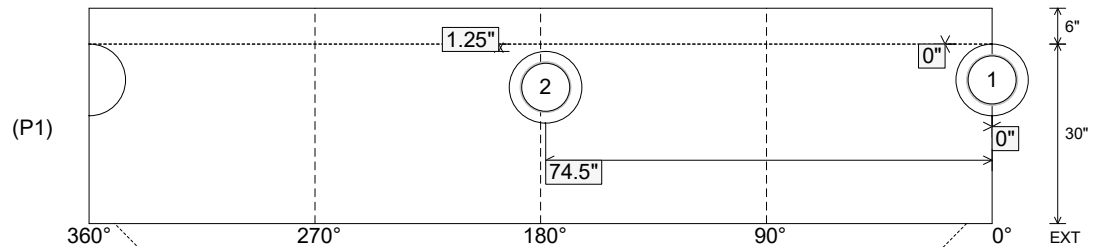
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	412.32'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	412.42'	178°	90.125"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 30"  
Height (Ext): 36"

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

**Structure ID: A-2**

**P1 MH048BA30CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

P5) 24" - CASTING HEIGHT - 6" P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 24" P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ADMIXTURE CONBLOCK CDA RED 1) CASTING - JBS 1155 F/C SANITARY 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 14) MH Step ML-10-TDS-NCR - 10"	0 lb 1738 lb 4192 lb 4192 lb 3330 lb 1440 lb 0 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 0 lb 16 lb 0 lb <hr style="border: 0; border-top: 1px dashed black;"/> Structure Total: 15158 lb
---	--

**Structure Notes:**

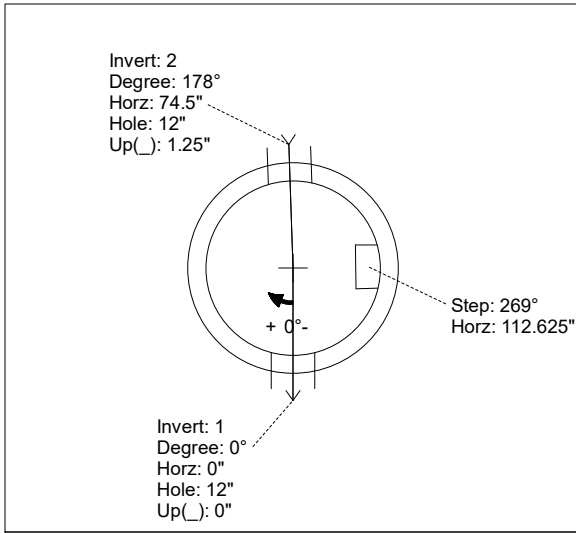
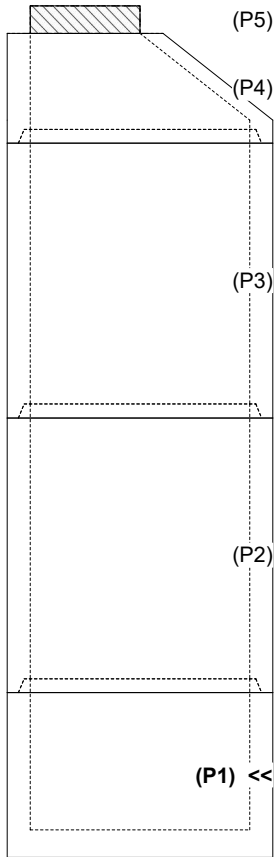
1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. CONBLOCK CDA RED ADMIXTURE REQUIRED
6. STEPS AT 269 DEGREES
7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 427.11'    Rim to Invert: 14.79'    Slack: -0.52"    Sump: 2"    Step Position: 269°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	412.32'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	412.42'	178°	90.125"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

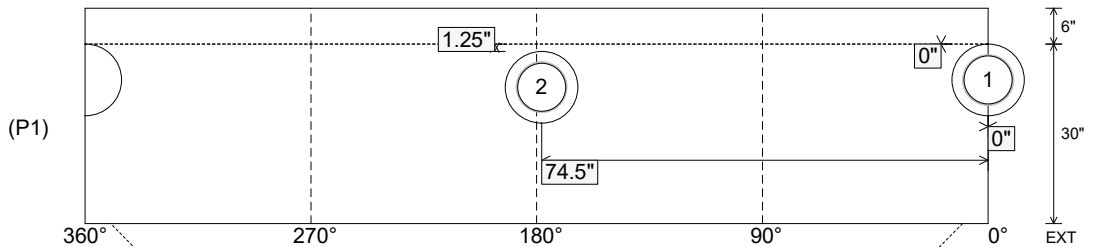
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL  
DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

5/14/2026 2:15:57 PM

Tech: Jared - A

PC: A. Chambers



**Structure ID: A-1**

**P1 MH048BA30CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30"	1961 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 72"	5030 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 72"	5030 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
1) CASTING - JBS 1155 F/C SANITARY	250 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
17) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>17057 lb</b>

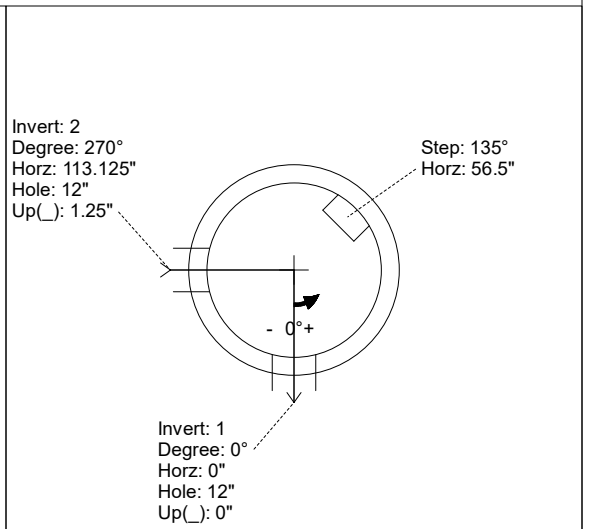
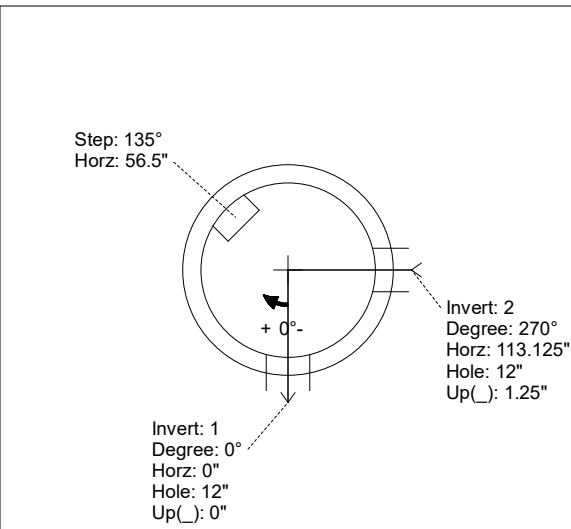
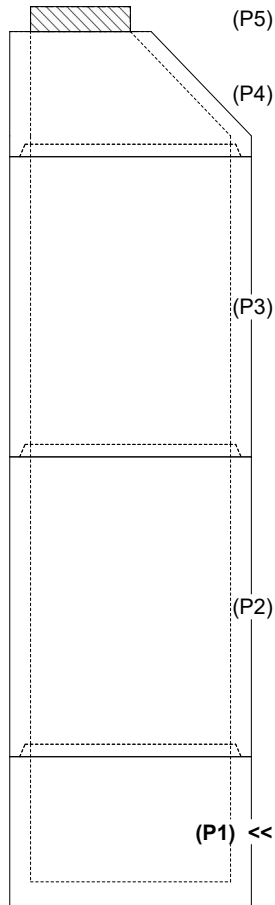
**Structure Notes:**  
 1. PER ASTM C-478 SPECIFICATIONS  
 2. CONCRETE: 4,000 PSI AT 28 DAYS  
 3. REINFORCEMENT: PER ASTM A615  
 4. INVERT CHANNEL REQUIRED  
 5. CONBLOCK CDA RED ADMIXTURE REQUIRED  
 6. STEPS AT 135 DEGREES  
 7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 428.02' Rim to Invert: 17.38' Slack: 0.56" Sump: 2" Step Position: 135°

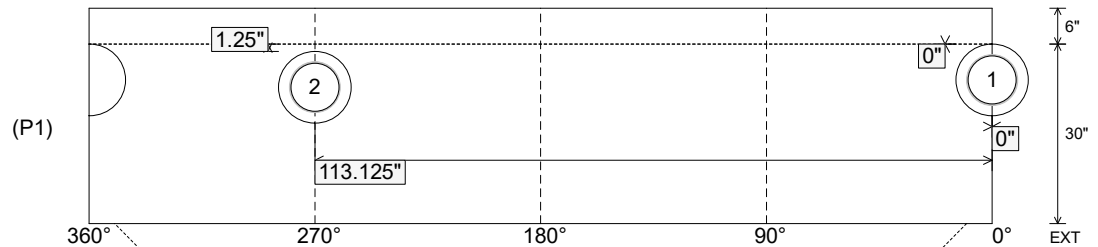
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	410.64'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	410.74'	270°	136.625"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 30"  
 Height (Ext): 36"

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

Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)  
 Job Location: Clarksville, TN  
 Contractor: Byard Construction, LLC

Plant: 100

5/14/2026 2:15:57 PM

Tech: Jared - A

PC: A. Chambers



**Structure ID: A-1**

**P1 MH048BA30CDARED**

**MH BASE w/ConBlock-CDA Red T/n**

- P5) 24" - CASTING HEIGHT - 6" 0 lb
- P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" 1961 lb
- P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" 5030 lb
- P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 72" 5030 lb
- P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 3330 lb
- 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1440 lb
- 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 0 lb
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
- 1) ADMIXTURE CONBLOCK CDA RED 0 lb
- 1) CASTING - JBS 1155 F/C SANITARY 250 lb
- 3) 48" - Conseal CS-102 1.00" (Double) 0 lb
- 1) 24" - Conseal CS-102 1.00" (Double) 0 lb
- 2) PSX - 12-08 NYLO 16 lb
- 17) MH Step ML-10-TDS-NCR - 10" 0 lb

**Structure Notes:**

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. CONBLOCK CDA RED ADMIXTURE REQUIRED
6. STEPS AT 135 DEGREES
7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

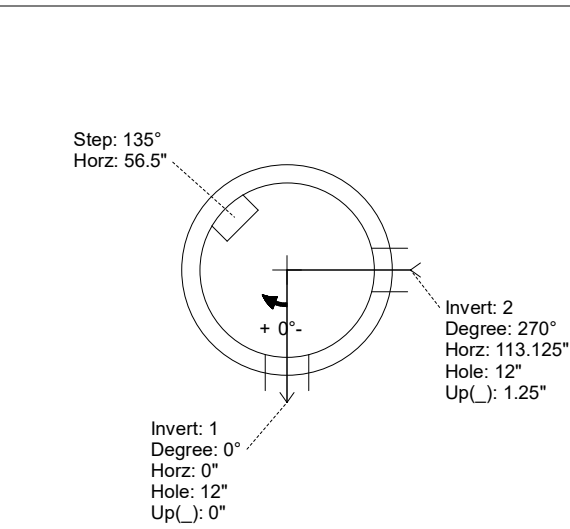
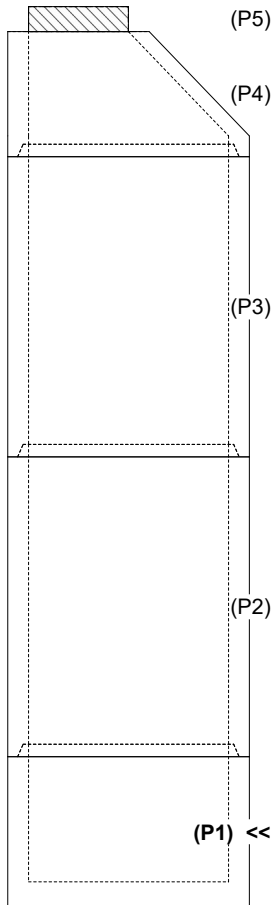
Structure Total: 17057 lb

Rim: 428.02' Rim to Invert: 17.38' Slack: 0.56" Sump: 2" Step Position: 135°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	410.64'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	410.74'	270°	136.625"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

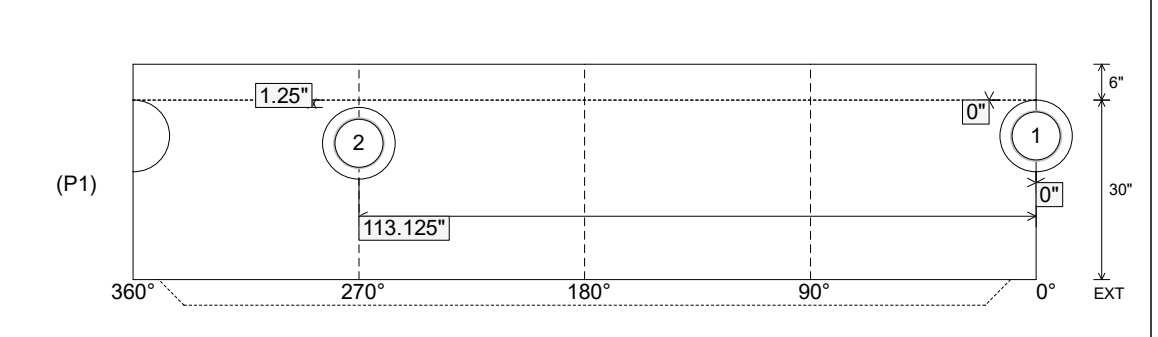
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL  
DRAWING

INSIDE WALL DIMENSIONS



Coating (Int):  
Coating (Ext):

Seam Up: Tongue  
Seam Dn: n/a

Wall Thickness: 5"  
Floor Height: 6"

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

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

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

Plant: 100  
 2/16/2026 10:16:59 AM

Tech: J. Horsley  
 PC: J. Jarvis



**Structure ID: E5**

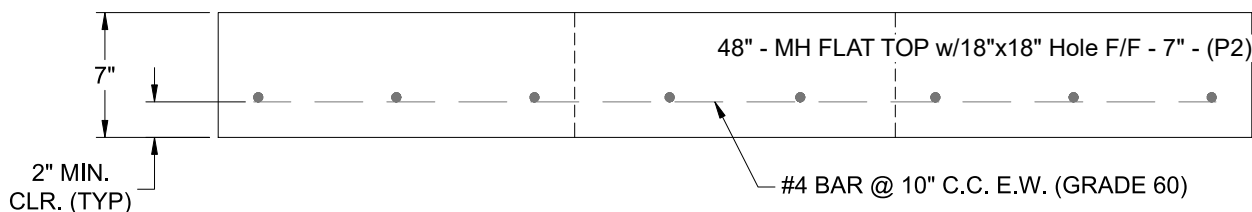
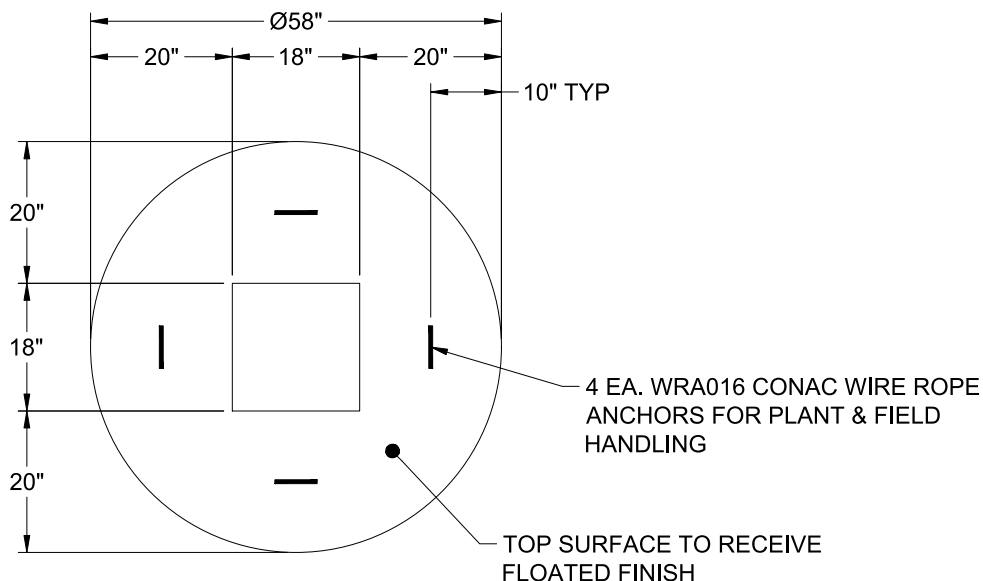
**P2 MH048LD07-18X18**

**MH FLAT TOP w/18"x18" Hole F/F**

- P3) 18" x 18" - CASTING HEIGHT - 4"
- P2) 48" - MH FLAT TOP w/18"x18" Hole F/F - 7"
- P1) 48" - MH BASE Custom Ht F/n - 33"
- 1) 48" - Conseal CS-102 1.00"
- 1) 18" x 18" - Conseal CS-102 1.00"
- 1) Hole - 16

0 lb  
 1362 lb  
 3550 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 0 lb  
 Structure Total: 4911 lb

- Structure Notes:**
1. PER LOUISVILLE MSD / ASTM C-478 SPECIFICATIONS
  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 165-A FRAME & GRATE SUPPLIED BY OTHERS
  5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
  6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 7"

Weight (Net): 1362 lb  
 Volume (Net): 0.35cu.yd

Job Name: 25-4733 - The Paddock  
 Job Location: Springfield, KY  
 Contractor: Core & Main LP (Lou)

Plant: 100  
 5/14/2026 1:09:28 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: STMH-D1**

**P2 MH048LD12ECC**

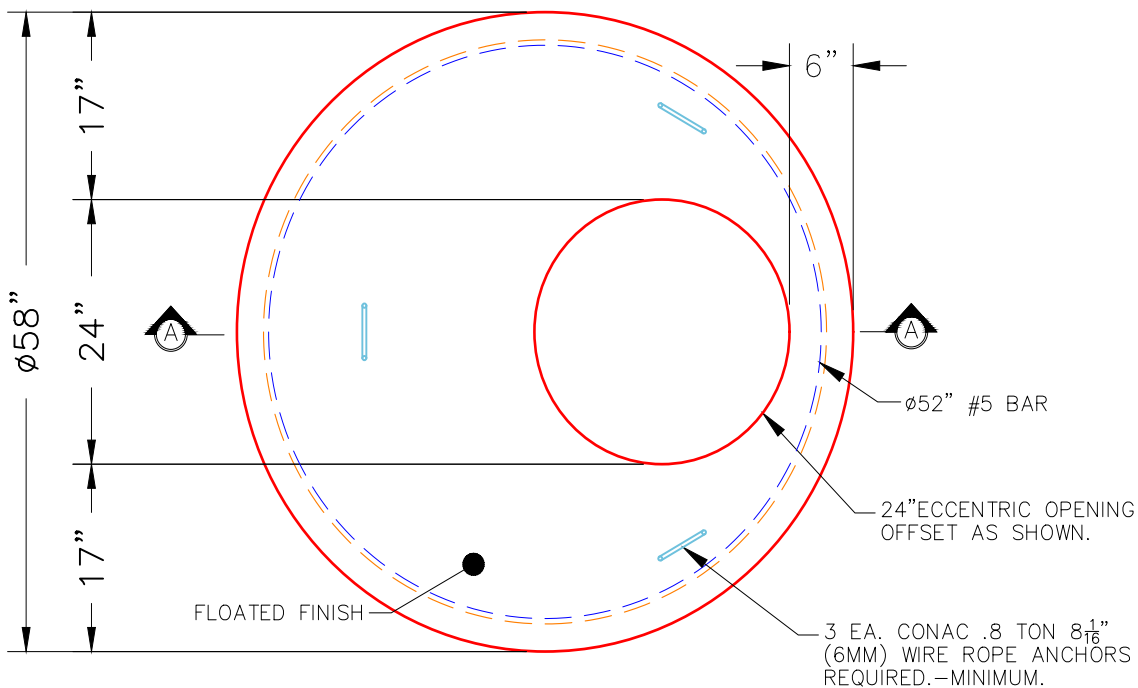
**MH FLAT TOP w/ 24" ECC Hole F/G**

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
- P1) 48" - MH BASE T/n - 36"
- 1) CASTING - HOE MC-315 F/C Storm
- 1) 48" - Conseal CS-102 1.00"
- 2) Hole - 20
- 3) MH Step ML-10-TDS-NCR - 10"

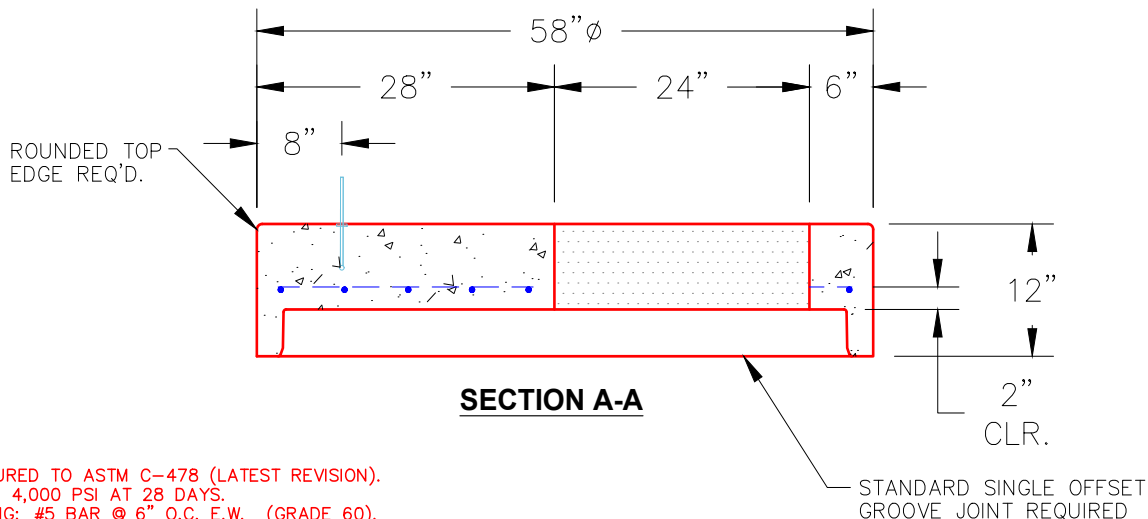
0 lb  
 1561 lb  
 3575 lb  
 258 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 5394 lb

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

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.



**PLAN VIEW**



**SECTION A-A**

**NOTES:**

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

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1561 lb  
 Volume (Net): 0.42cu.yd

Job Name: 24-4112 - Ohio River Service Area Rehab  
 Job Location: Louisville, KY 40222  
 Contractor: TRC, LLC

Plant: Beaver Dam, KY  
 5/13/2026 2:58:13 PM

Tech: K. Cardwell  
 PC: A. Wells



**Structure ID: 958A**

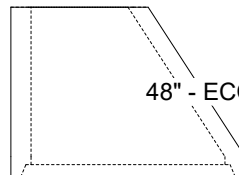
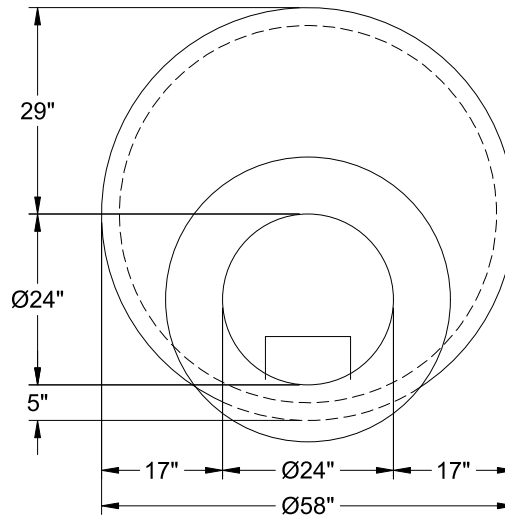
**P2 MH048CN42**

**ECC CONE w/ 24" HOLE F/G**

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 42"
- P1) 48" - MH BASE T/n - 42"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb  
 3200 lb  
 4169 lb  
 0 lb  
 0 lb  
 1440 lb  
 0 lb  
 0 lb  
 0 lb  
 16 lb  
 0 lb  
 -----  
 Structure Total: 8825 lb

Structure Notes:  
 STATION: 0+89.14 CLUB DR  
 1. PER MSD & ASTM C-478 SPECIFICATIONS  
 2. CONCRETE: 5,000 PSI AT 28 DAYS  
 3. REINFORCEMENT: PER ASTM A615  
 4. STEPS REQUIRED  
 5. 7" CASTING SUPPLIED BY OTHERS



48" - ECC CONE w/ 24" HOLE F/G - 42" - (P2)

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 42"

Weight (Net): 3200 lb  
 Volume (Net): 0.5cu.yd

Job Name: 24-1164 Paddy's Run Flood PS  
 Job Location: Louisville, Ky.  
 Contractor: Core & Main LP (Lou)

Plant: Beaver Dam, Ky.  
 5/18/2026 8:15:55 AM

Tech: S. Felletter  
 PC:



**Structure ID: Storm MH**

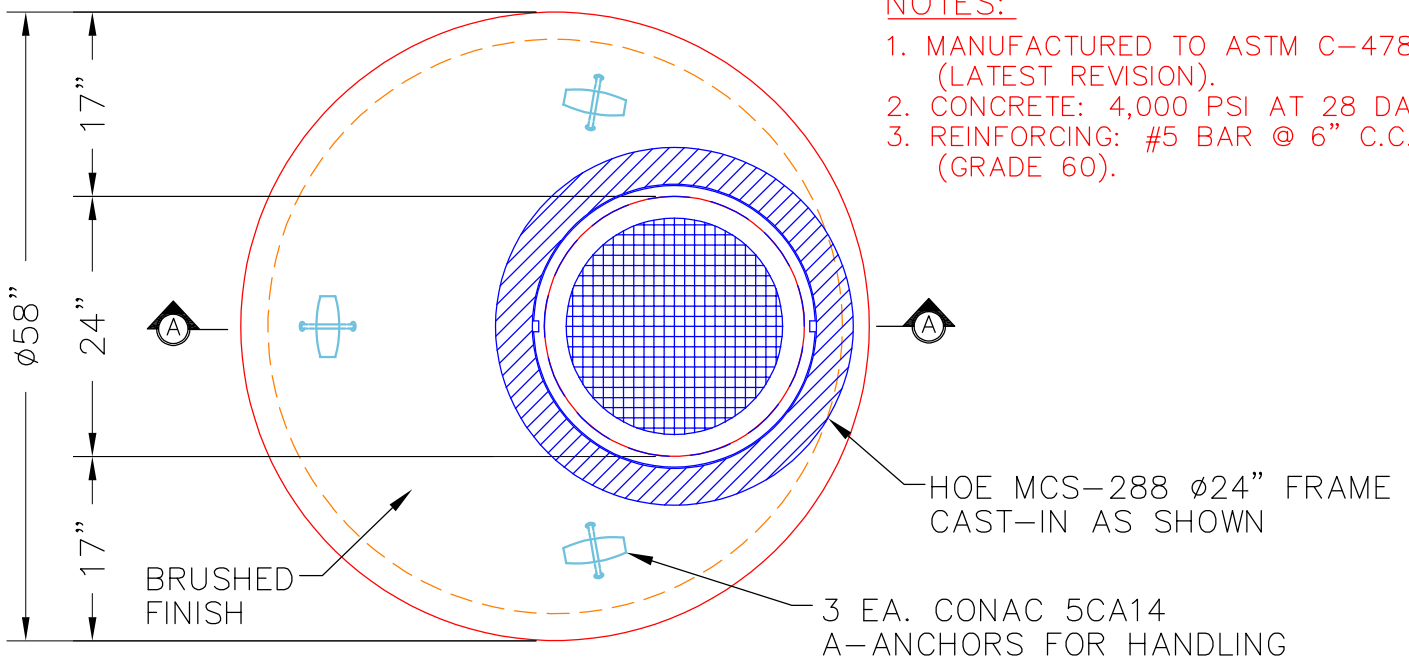
**P1 MH048LD12S**

**MH FLAT TOP SPECIAL (MCS-288) F/G**

- P1) 48" - MH FLAT TOP SPECIAL (MCS-288) F/G - 12"  
 1) CASTING - HOE MCS-288 Cover Storm  
 1) CASTING - HOE MCS-288 Frame  
 1) This Structure Includes a Cast-in Item

Structure Total: 1841 lb  
 1593 lb  
 125 lb  
 123 lb  
 0 lb

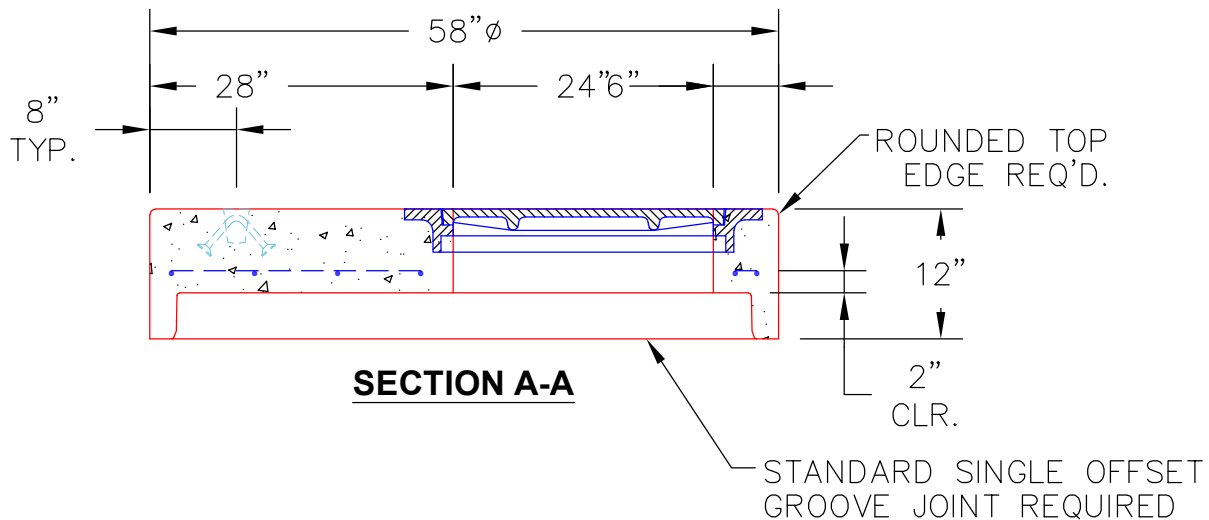
- Structure Notes:** 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. NO INVERT CHANNEL.  
 4. CASTING BY ICAST (HOE MCS-288). CAST-IN.  
 REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.



**NOTES:**

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #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): 1593 lb  
 Volume (Net): 0.41cu.yd

Job Name: 23-2792 - Teal Dr. Development  
 Job Location: Gallatin, TN  
 Contractor: Stewart Richey

Plant: 100  
 3/25/2026 1:42:46 PM

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

**Structure ID: STM-A3**

**P2 MH048LD12S**

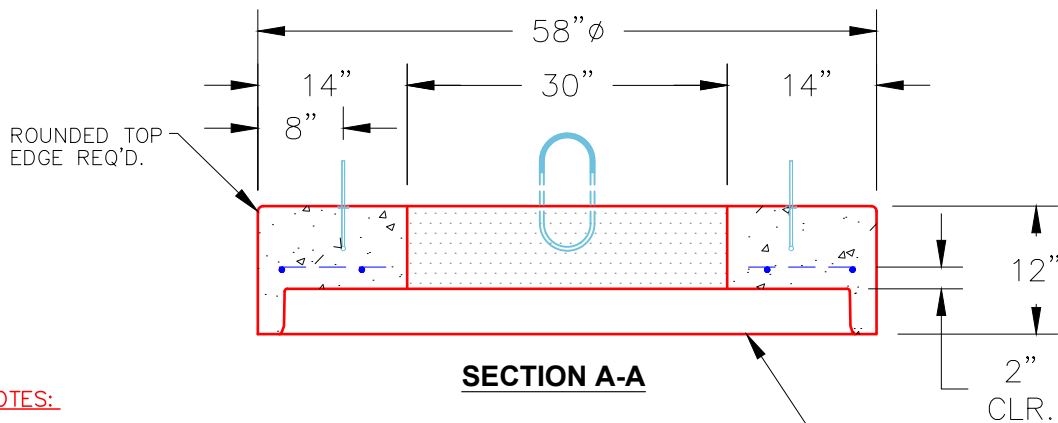
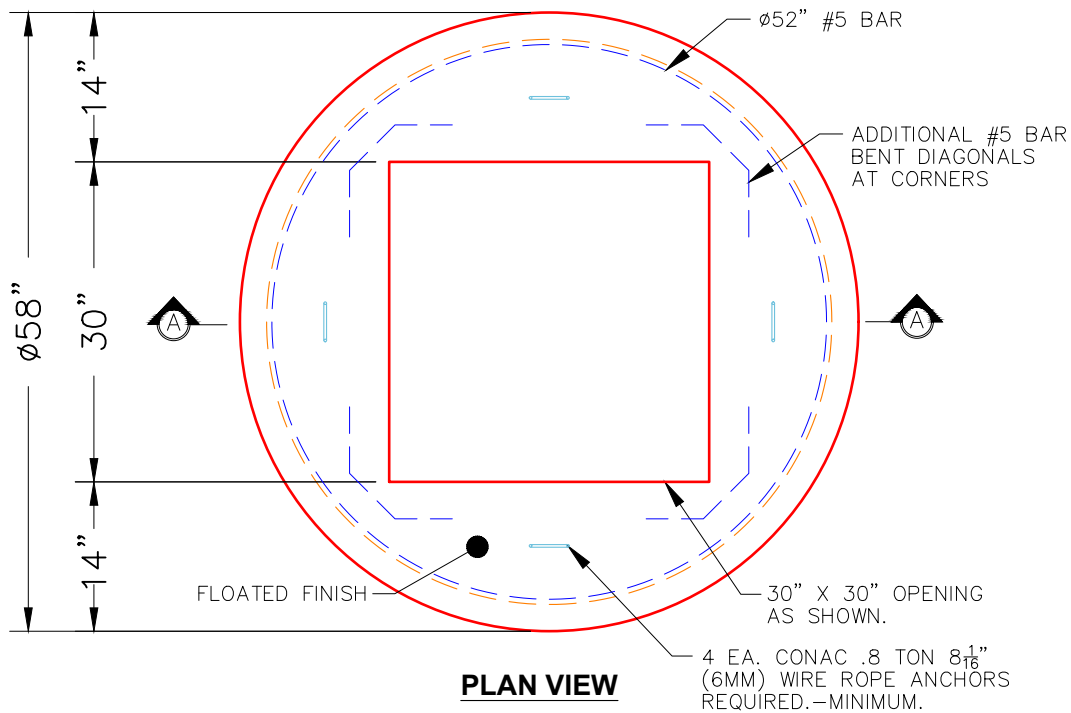
**MH FLAT TOP w/30"x30" Hole F/G**

- P4) 30" x 30" - CASTING HEIGHT - 6"
- P3) 30" x 30" - GRADE RING F/F - 3"
- P2) 48" - MH FLAT TOP w/30"x30" Hole F/G - 12"
- P1) 48" - MH BASE T/n - 42"
- 1) CASTING - JBS 3101 Single Set (F/G/H)
- 1) 48" - Conseal CS-102 1.00"
- 2) 30" x 30" - Conseal CS-102 1.00"
- 2) Hole - 32
- 1) Hole - 26
- 3) MH Step ML-10-TDS-NCR - 10"

0 lb  
 218 lb  
 1350 lb  
 3304 lb  
 619 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 5491 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. NO INVERT CHANNEL.  
 4. CASTING BY ICAST (JBS 3101 SINGLE SET (F/G/H))

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): 1350 lb  
 Volume (Net): 0.33cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/17/2025 5:02:03 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

**Structure ID: Z**

**P1 MH048BA30**

**MH BASE Custom Ht F/n**

P3) 24" - CASTING HEIGHT - 6"	0 lb
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/F - 7"	1286 lb
P1) 48" - MH BASE Custom Ht F/n - 30"	3032 lb
1) Conseal CS-102 1.00" (Single)	0 lb
1) CASTING - JBS 1155 F/C STORM	250 lb
2) Hole - 24	0 lb
<b>Structure Total:</b>	<b>4568 lb</b>

**Structure Notes:**

- PER ASTM C478 SPECIFICATIONS.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- NO STEPS AND NO INVERT CHANNEL.
- CASTING BY I-CAST (JBS 1155 F/C STORM).

REINFORCING PER ASTM A615 (GRADE 60).

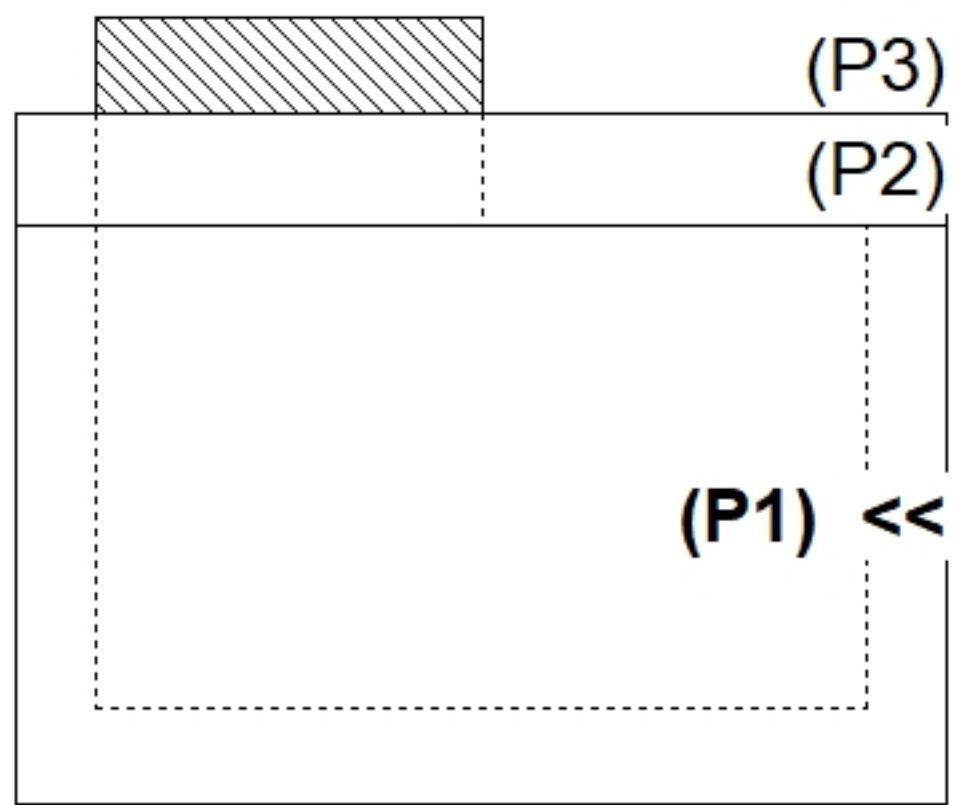
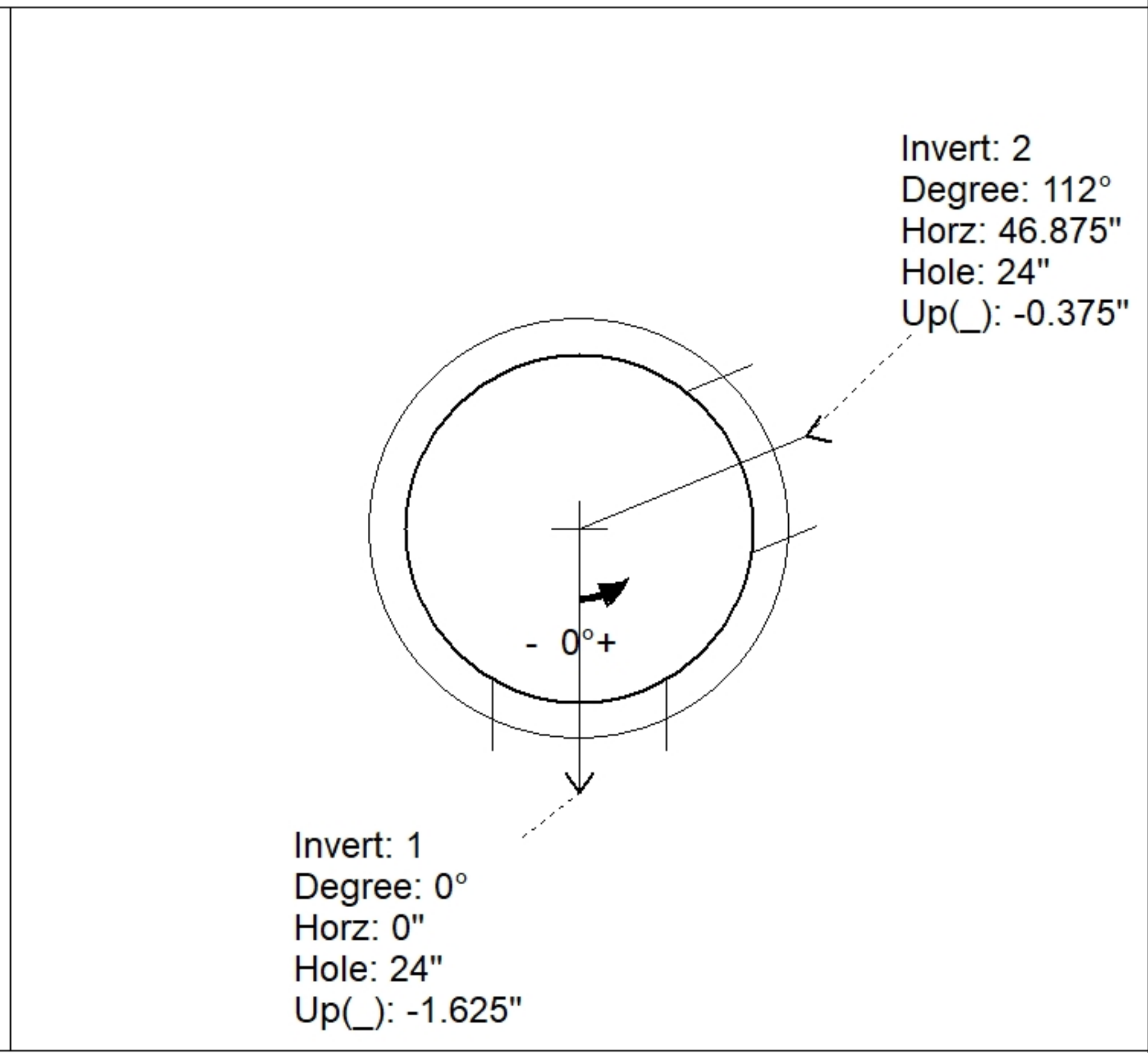
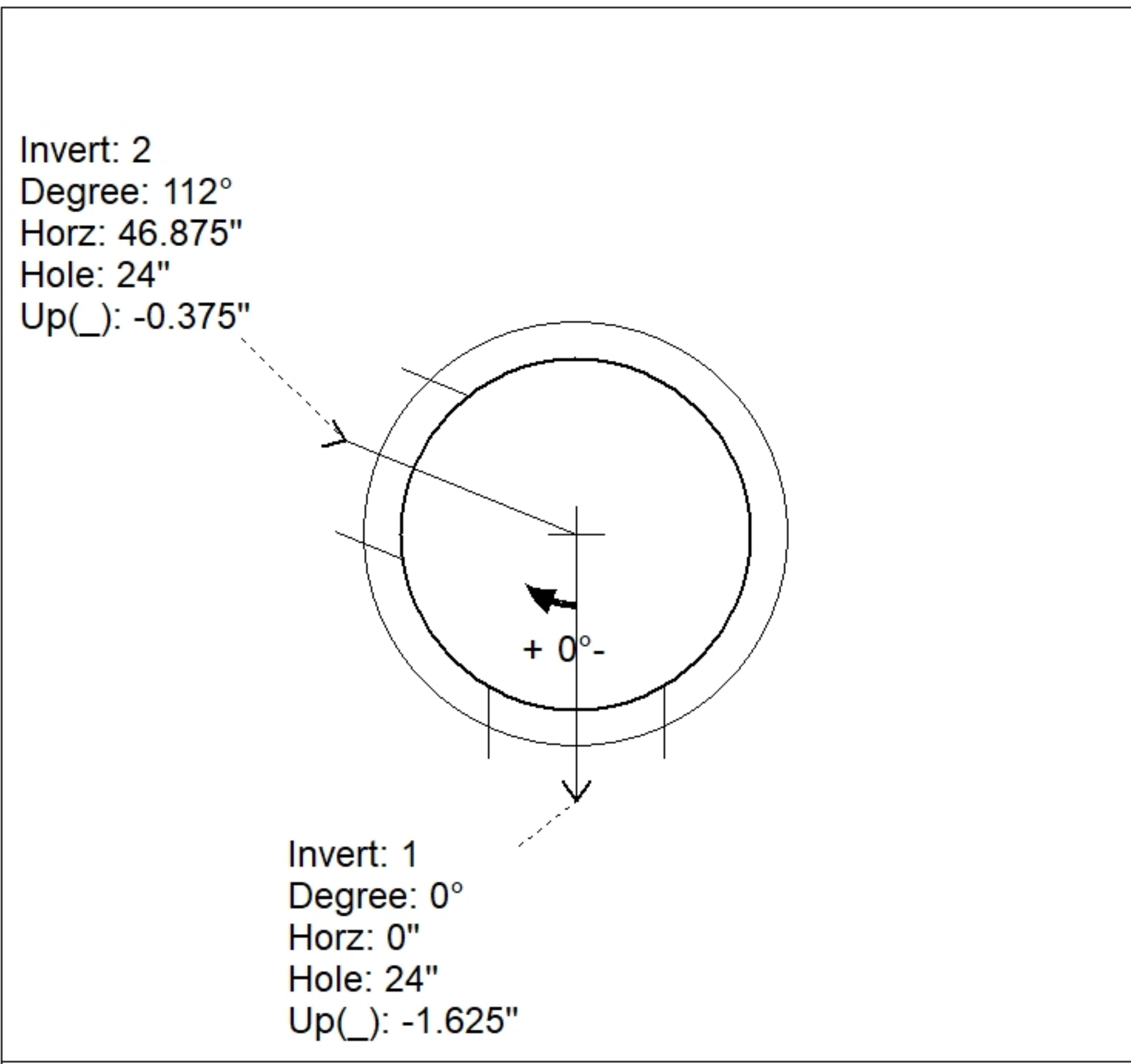
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W

Rim: 504' Rim to Invert: 3.59' Slack: 0.08" Sump: 0" Step Position:

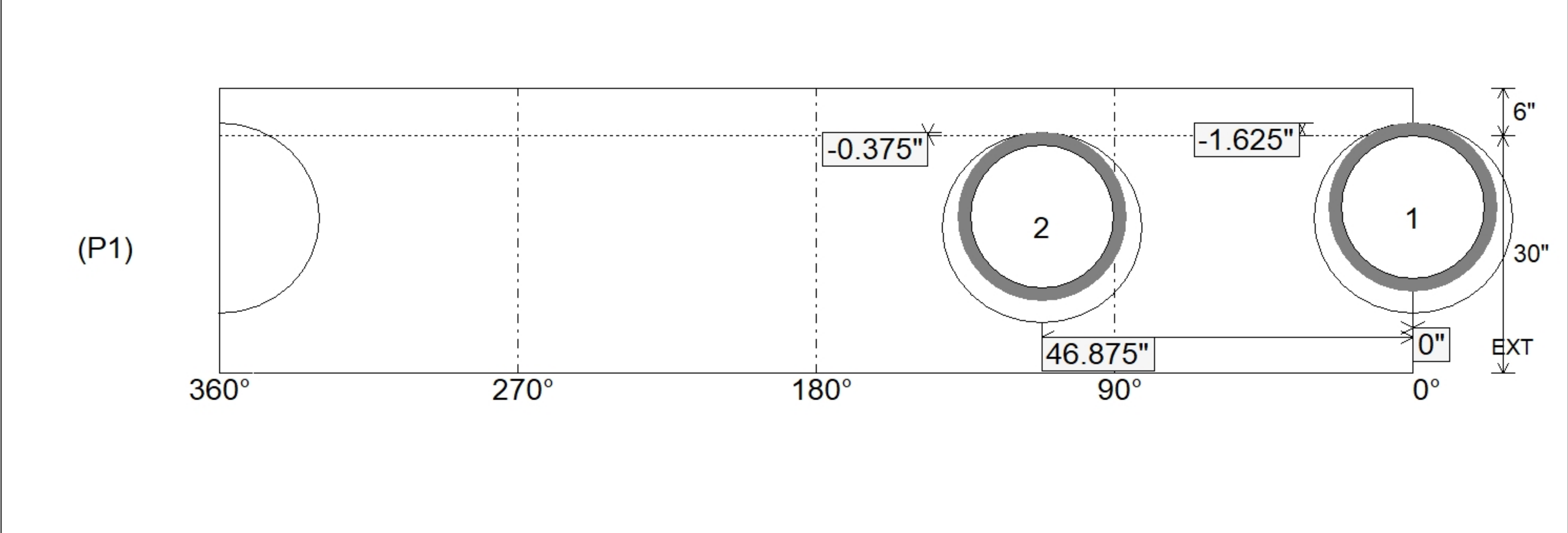
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	500.41'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.625"	0"
Invert 2	500.51'	112°	56.75"	18" HDPE	21.2"	Hole 24	24"	25.133"	-0.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3032 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.77cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/17/2025 5:02:00 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

**Structure ID: X**

**P1 MH048BA30**

**MH BASE F/n**

P3) 24" x 36" - CASTING HEIGHT - 6"	0 lb
P2) 48" - MH FLAT TOP w/24"x36" Hole F/F - 7"	1044 lb
P1) 48" - MH BASE F/n - 30"	2769 lb
1) Conseal CS-102 1.00" (Single)	0 lb
1) CASTING - JBS 3080-V SET (F/G/H)	500 lb
3) Hole - 24"	0 lb
<b>Structure Total:</b>	<b>4314 lb</b>

**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 I-CAST (JBS 3080-V SET (F/G/H)).

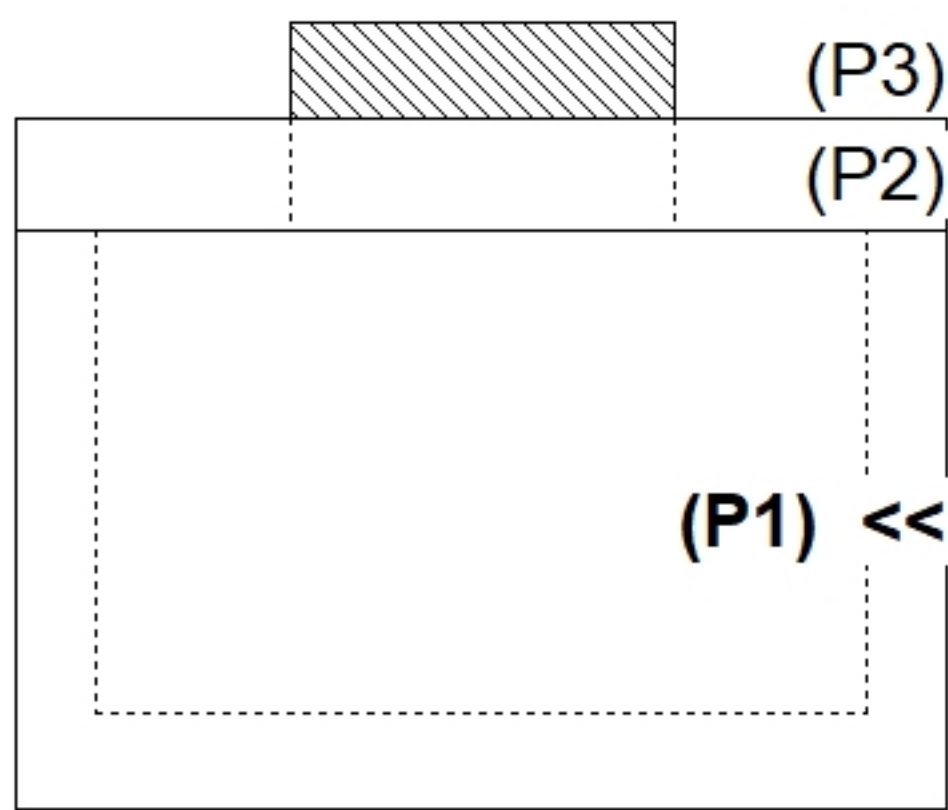
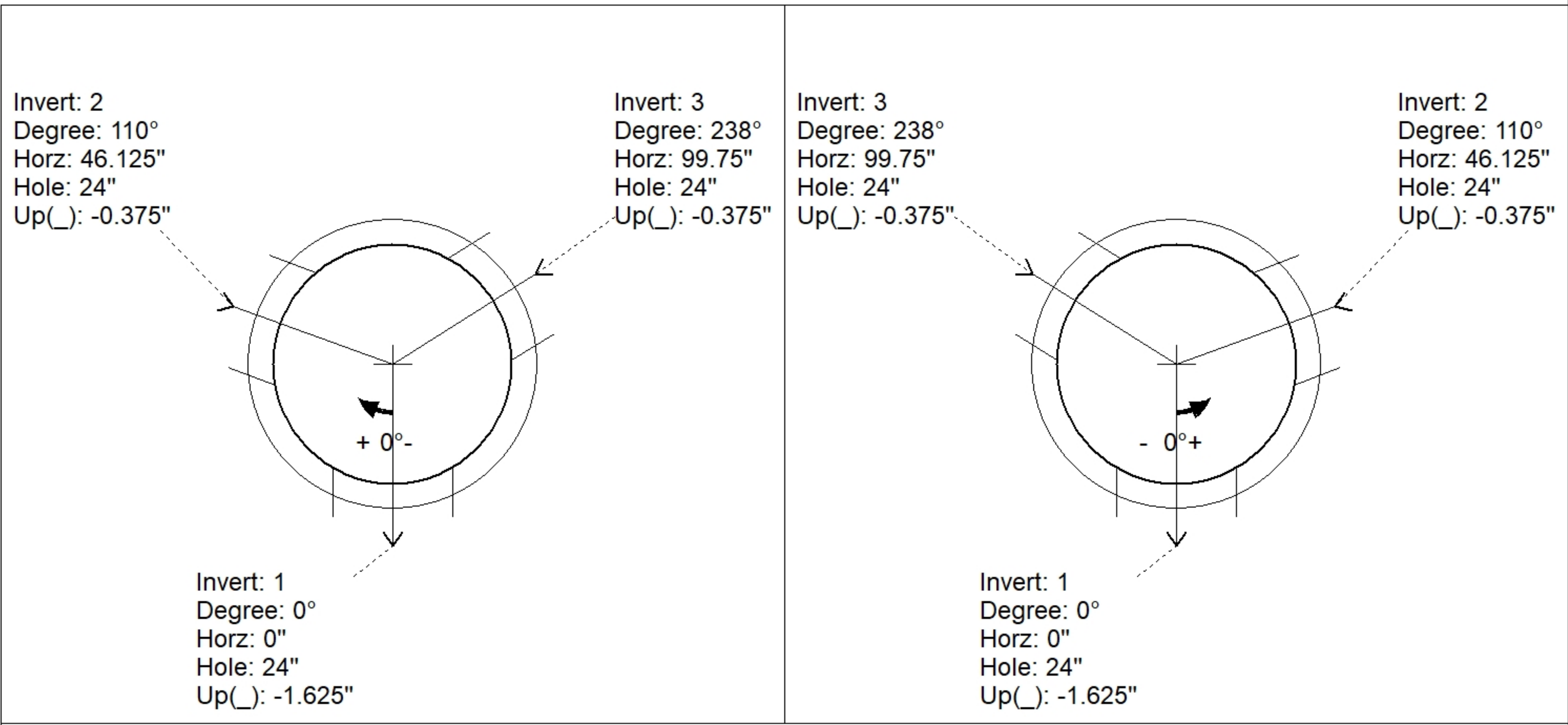
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 506.94' Rim to Invert: 3.63' Slack: 0.56" Sump: 0" Step Position:

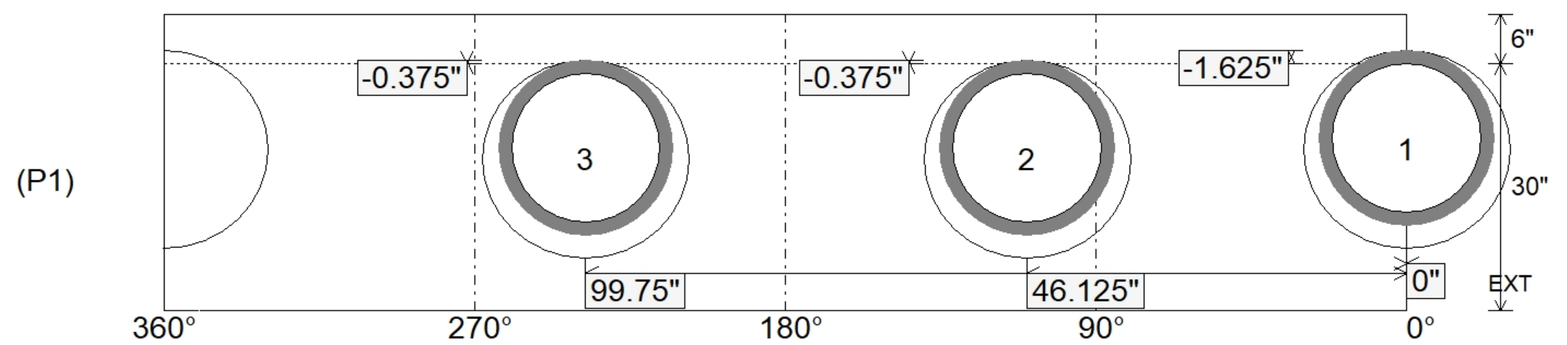
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	503.31'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.625"	0"
Invert 2	503.41'	110°	55.625"	18" HDPE	21.2"	Hole 24	24"	25.133"	-0.375"	0"
Invert 3	503.41'	238°	120.5"	18" HDPE	21.2"	Hole 24	24"	25.133", 6.933"	-0.375"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 2769 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.71cu.yd

Job Name: 26-1322B - KYTC Warren Co Call 104 (261503)  
 Job Location: Bowling Green, KY  
 Contractor: Cumberland Pipeline LLC

Plant: 100

4/21/2026 2:25:15 PM

Tech: Jared - A

PC: Celina Goff



**Structure ID: 244-89 SS-MH**

**P1 MH048BA24**

**MH BASE (08"F) T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE (08"F) T/n - 24"
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) CASTING - HOE MC-375 F/C BGMU Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 16Y NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb  
 3000 lb  
 2515 lb  
 3279 lb  
 1440 lb  
 0 lb  
 0 lb  
 271 lb  
 0 lb  
 16 lb  
 0 lb  
 -----  
 Structure Total: 10521 lb

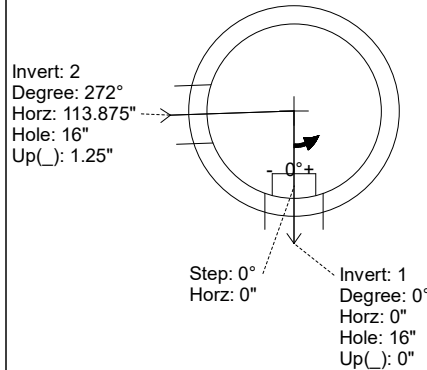
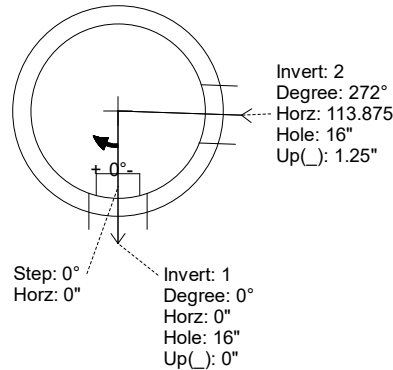
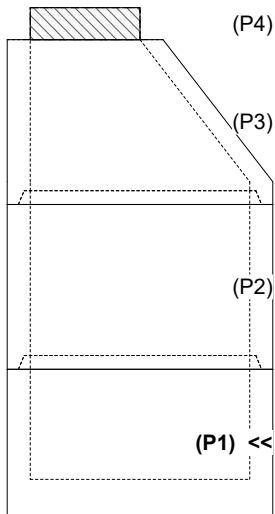
- Structure Notes:**
1. PER KYTC & ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. INVERT CHANNEL REQUIRED
  5. STEPS AT 0 DEGREES
  6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

Rim: 479.18' Rim to Invert: 8.43' Slack: 1.16" Sump: 3" Step Position: 0°

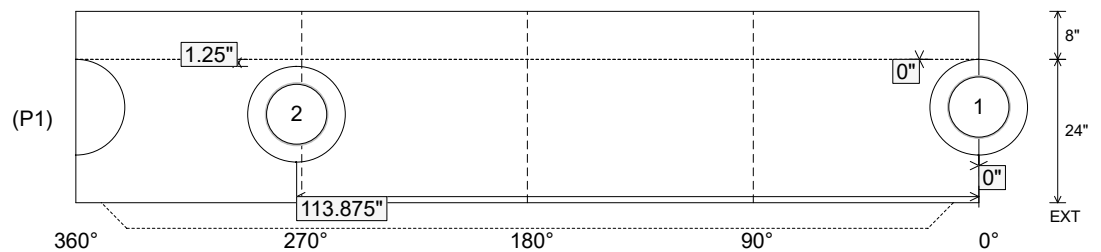
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	470.75'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	0"	0"
Invert 2	470.85'	272°	137.625"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 8"

Height (Int): 24"  
 Height (Ext): 32"

Weight (Net): 3279 lb  
 Volume (Net): 0.84cu.yd

**Structure ID: 244-89 SS-MH**

**P1 MH048BA24**

**MH BASE (08"F) T/n**

P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 36" P1) 48" - MH BASE (08"F) T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16Y NYLO 7) MH Step ML-10-TDS-NCR - 10"	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">3000 lb</td><td></td></tr> <tr><td style="text-align: right;">2515 lb</td><td></td></tr> <tr><td style="text-align: right;">3279 lb</td><td></td></tr> <tr><td style="text-align: right;">1440 lb</td><td></td></tr> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">271 lb</td><td></td></tr> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">16 lb</td><td></td></tr> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">-----</td><td></td></tr> <tr><td style="text-align: right;">Structure Total:</td><td style="text-align: right;">10521 lb</td></tr> </table>	0 lb		3000 lb		2515 lb		3279 lb		1440 lb		0 lb		0 lb		271 lb		0 lb		16 lb		0 lb		-----		Structure Total:	10521 lb
0 lb																											
3000 lb																											
2515 lb																											
3279 lb																											
1440 lb																											
0 lb																											
0 lb																											
271 lb																											
0 lb																											
16 lb																											
0 lb																											
-----																											
Structure Total:	10521 lb																										

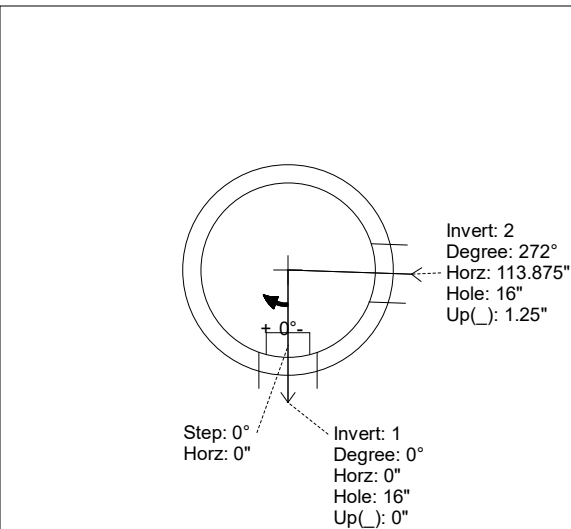
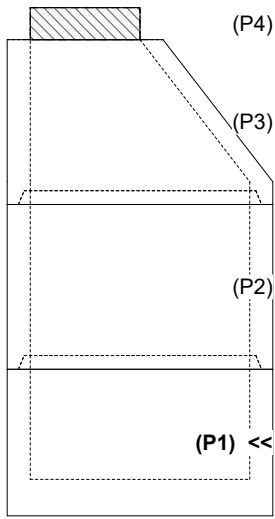
**Structure Notes:**

1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. STEPS AT 0 DEGREES
6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

Rim: 479.18'    Rim to Invert: 8.43'    Slack: 1.16"    Sump: 3"    Step Position: 0°

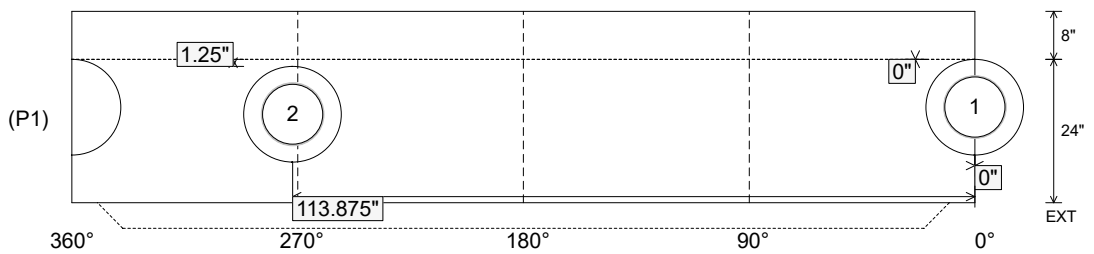
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1	470.75'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	0"	0"
Invert 2	470.85'	272°	137.625"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



INVERT CHANNEL DRAWING

**INSIDE WALL DIMENSIONS**



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 24" Height (Ext): 32"	Weight (Net): 3279 lb Volume (Net): 0.84cu.yd
----------------------------------	---------------------------------	--	--	--

**Structure ID: 257-78 SS-MH**

**P1 MH048BAVF**

**MH BASE (08"F) T/n**

P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE (08"F) T/n - 38" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 6) MH Step ML-10-TDS-NCR - 10"	0 lb 1550 lb 1677 lb 4332 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 16 lb 0 lb ----- Structure Total: 9286 lb
---	--

**Structure Notes:**

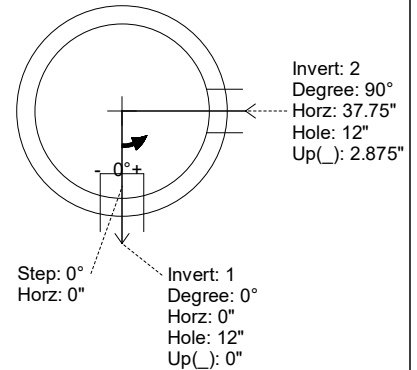
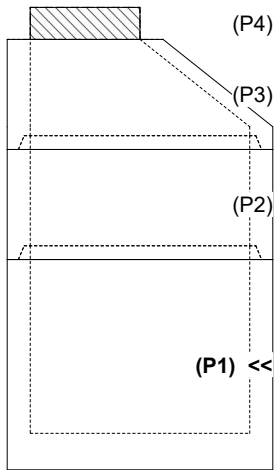
1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. STEPS AT 0 DEGREES
6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

Rim: 496.09'    Rim to Invert: 7.76'    Slack: 2.12"    Sump: 2"    Step Position: 0°

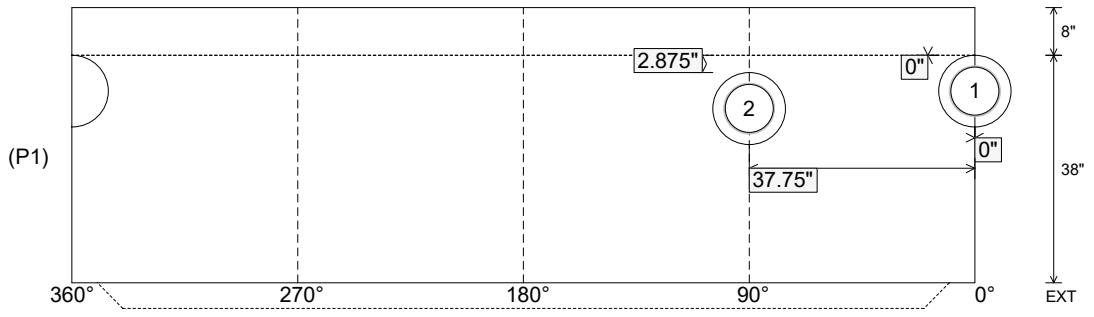
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	488.33'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	488.57'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.875"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 4332 lb Volume (Net): 1.11cu.yd
----------------------------------	---------------------------------	--	--	--

**Structure ID: 257-78 SS-MH**

**P1 MH048BAVF**

**MH BASE (08"F) T/n**

P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE (08"F) T/n - 38" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 6) MH Step ML-10-TDS-NCR - 10"	0 lb 1550 lb 1677 lb 4332 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 16 lb 0 lb ----- Structure Total: 9286 lb
---	--

**Structure Notes:**

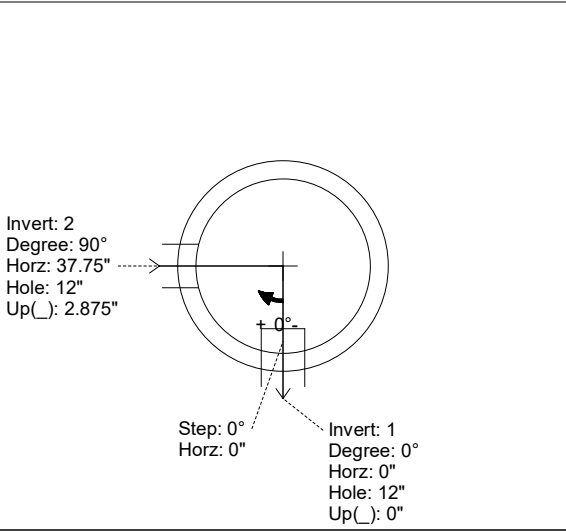
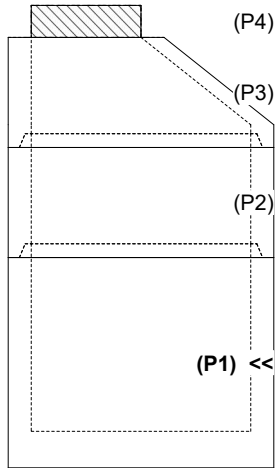
1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. STEPS AT 0 DEGREES
6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

Rim: 496.09'    Rim to Invert: 7.76'    Slack: 2.12"    Sump: 2"    Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	488.33'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	488.57'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.875"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

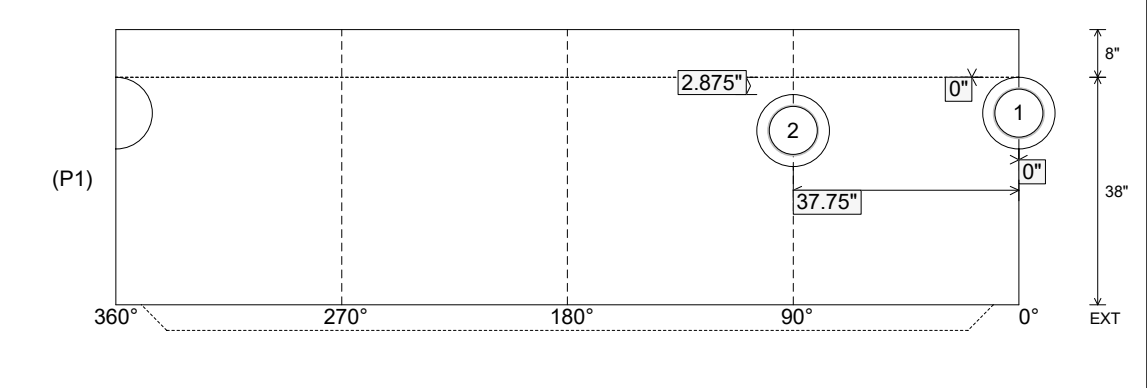
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL  
DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 4332 lb Volume (Net): 1.11cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1322B - KYTC Warren Co Call 104 (261503)	Plant: 100	Tech: Jared - A	
Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC	4/21/2026 2:25:10 PM	PC: Celina Goff	

**Structure ID: 228-77 SS-MH**

**P1 MH048BAVF**

**MH BASE (08"F) 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 - 24"	1677 lb
P1) 48" - MH BASE (08"F) T/n - 40"	4268 lb
1) 48" - MH INVERT CHANNEL - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) CASTING - HOE MC-375 F/C BGMU Sanitary	271 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) Kor-N-Seal1 - S106-20BW	6 lb
1) Kor-N-Seal2 - S206-22L	6 lb
6) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>9219 lb</b>

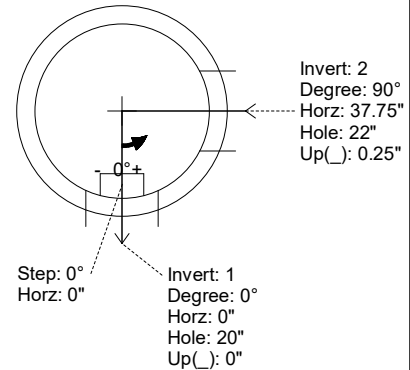
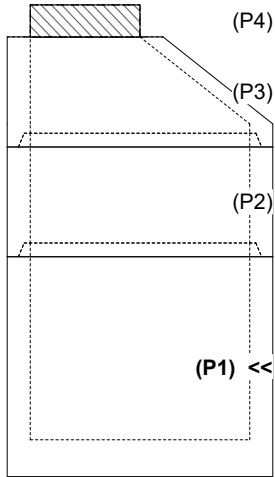
**Structure Notes:**

1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. STEPS AT 0 DEGREES
6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

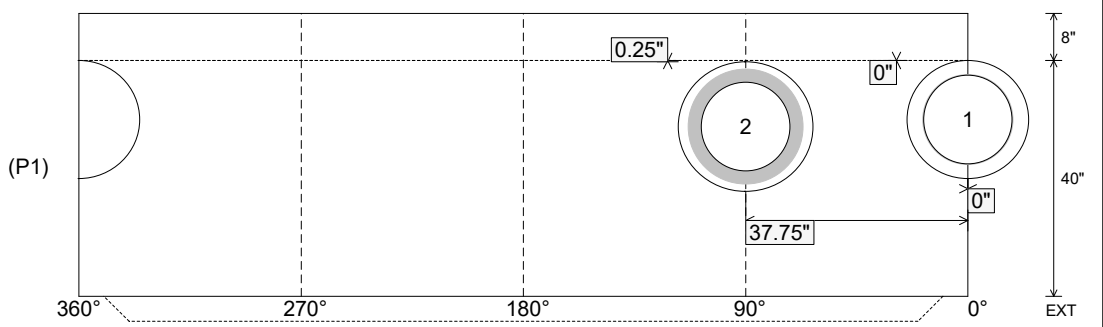
Rim: 475.66' Rim to Invert: 7.87' Slack: 1.94" Sump: 2.5" Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	467.79'	0°	0"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	20"	20.629"	0"	0"
Invert 2	467.89'	90°	45.5"	15" RCP B WALL	19.5"	Kor-N-Seal2 S206-22L	22"	22.854"	0.25"	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: 8"	Height (Int): 40" Height (Ext): 48"	Weight (Net): 4268 lb Volume (Net): 1.09cu.yd
----------------------------------	---------------------------------	--	--	--

**Structure ID: 228-77 SS-MH**

**P1 MH048BAVF**

**MH BASE (08°F) T/n**

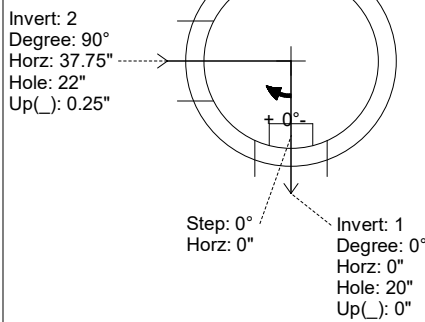
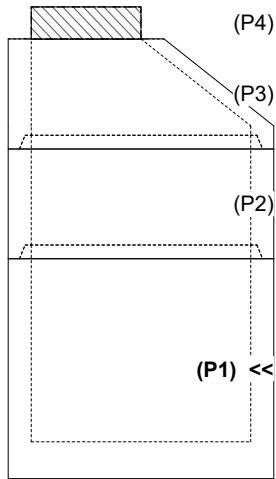
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE (08°F) T/n - 40" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) Kor-N-Seal1 - S106-20BW 1) Kor-N-Seal2 - S206-22L 6) MH Step ML-10-TDS-NCR - 10"	0 lb 1550 lb 1677 lb 4268 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 6 lb 6 lb 0 lb	<b>Structure Notes:</b> 1. PER KYTC & ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST
Structure Total:		9219 lb

Rim: 475.66' Rim to Invert: 7.87' Slack: 1.94' Sump: 2.5' Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	467.79'	0°	0"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	20"	20.629"	0"	0"
Invert 2	467.89'	90°	45.5"	15" RCP B WALL	19.5"	Kor-N-Seal2 S206-22L	22"	22.854"	0.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

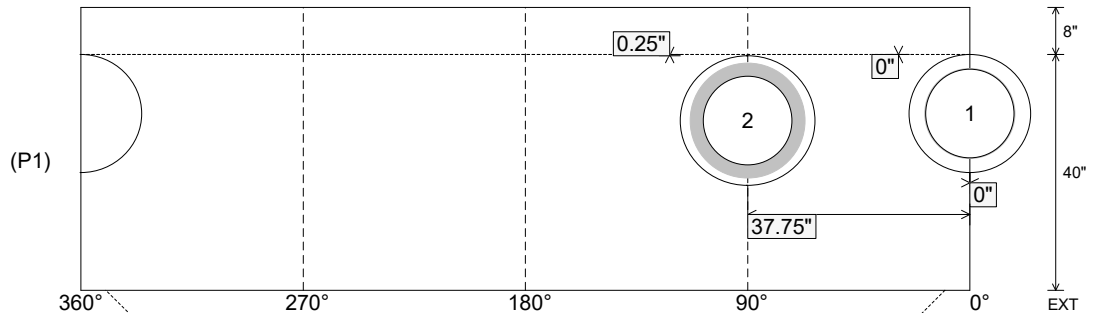
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL  
DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 40" Height (Ext): 48"	Weight (Net): 4268 lb Volume (Net): 1.09cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1322B - KYTC Warren Co Call 104 (261503)  
 Job Location: Bowling Green, KY  
 Contractor: Cumberland Pipeline LLC

Plant: 100

4/21/2026 2:25:10 PM

Tech: Jared - A

PC: Celina Goff



**Structure ID: 227-76 SS-MH**

**P1 MH048BA48**

**MH BASE (08"F) T/n**

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 24"
- P2) 48" - MH RISER T/G - 24"
- P1) 48" - MH BASE (08"F) T/n - 48"
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) CASTING - HOE MC-375 F/C BGMU Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) Kor-N-Seal2 - S206-22L
- 6) MH Step ML-10-TDS-NCR - 10"

0 lb  
 1550 lb  
 1677 lb  
 4798 lb  
 1440 lb  
 0 lb  
 0 lb  
 271 lb  
 0 lb  
 13 lb  
 0 lb  
 \_\_\_\_\_  
 Structure Total: 9748 lb

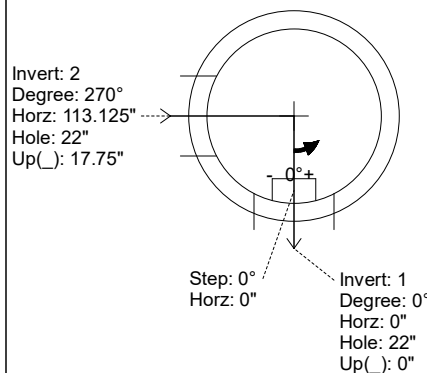
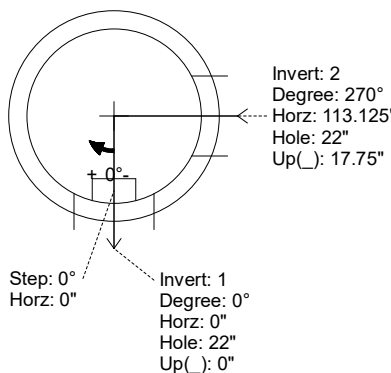
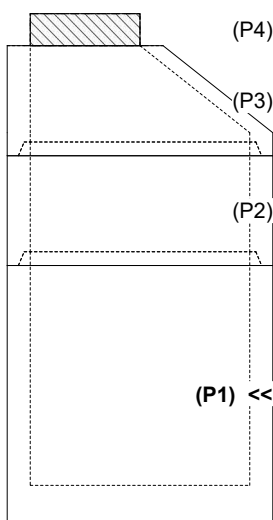
- Structure Notes:**
1. PER KYTC & ASTM C-478 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: PER ASTM A615
  4. INVERT CHANNEL REQUIRED
  5. STEPS AT 0 DEGREES
  6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

Rim: 476.56' Rim to Invert: 8.49' Slack: 2.38' Sump: 3.5' Step Position: 0

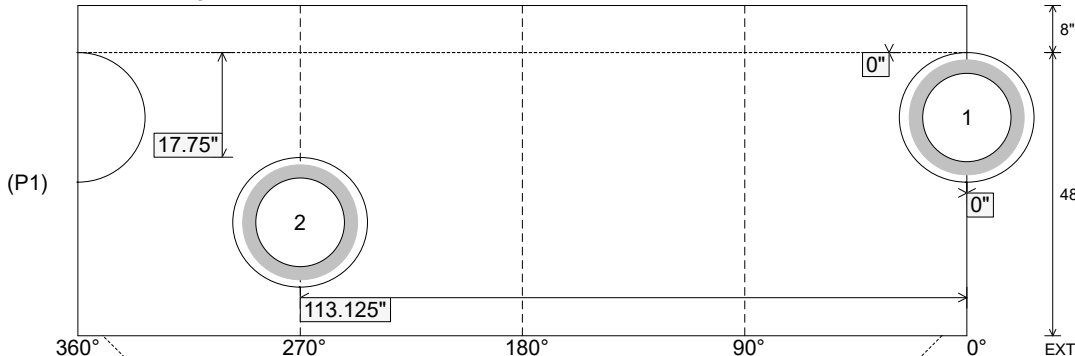
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	468.07'	0°	0"	15" RCP B WALL	19.5"	Kor-N-Seal2 S206-22L	22"	22.854"	0"	0"
Invert 2	469.55'	270°	136.625"	15" RCP B WALL	19.5"	Kor-N-Seal2 S206-22L	22"	22.854"	17.75"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 5"  
 Floor Height: 8"

Height (Int): 48"  
 Height (Ext): 56"

Weight (Net): 4798 lb  
 Volume (Net): 1.23cu.yd

**Structure ID: 227-76 SS-MH**

**P1 MH048BA48**

**MH BASE (08"F) T/n**

P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE (08"F) T/n - 48" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-22L 6) MH Step ML-10-TDS-NCR - 10"	0 lb 1550 lb 1677 lb 4798 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 0 lb ----- Structure Total: 9748 lb
---	--

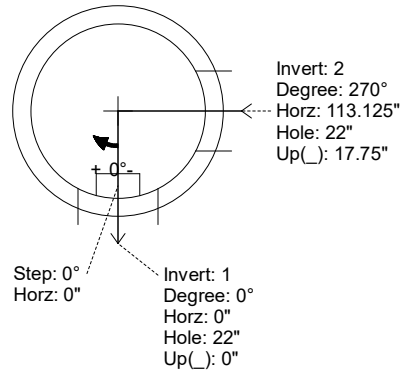
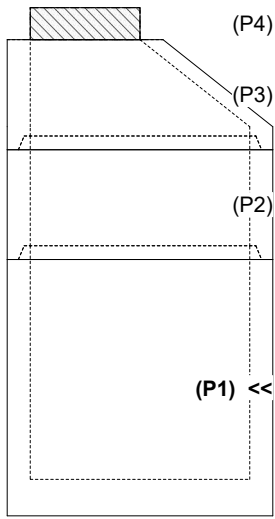
Structure Notes:

1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. STEPS AT 0 DEGREES
6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

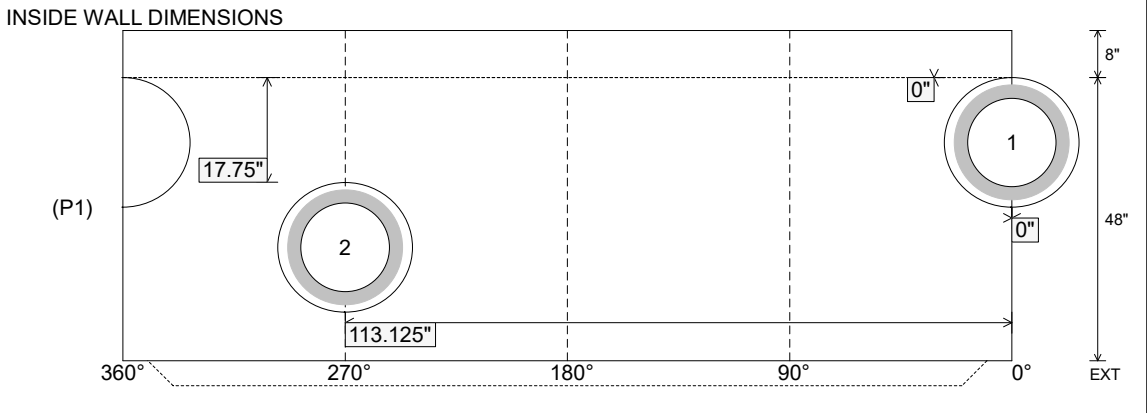
Rim: 476.56'    Rim to Invert: 8.49'    Slack: 2.38"    Sump: 3.5"    Step Position: 0

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	468.07'	0°	0"	15" RCP B WALL	19.5"	Kor-N-Seal2 S206-22L	22"	22.854"	0"	0"
Invert 2	469.55'	270°	136.625"	15" RCP B WALL	19.5"	Kor-N-Seal2 S206-22L	22"	22.854"	17.75"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



INVERT CHANNEL DRAWING



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 48" Height (Ext): 56"	Weight (Net): 4798 lb Volume (Net): 1.23cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1322B - KYTC Warren Co Call 104 (261503)	Plant: 100	Tech: Jared - A	
Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC	4/21/2026 3:36:59 PM	PC: Celina Goff	

**Structure ID: 223-75 SS-MH**

**P2 MH048RS36S**

**MH RISER SPECIAL T/G**

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 48" - ECC CONE w/ 24" HOLE F/G - 24"	1550 lb
P2) 48" - MH RISER SPECIAL T/G - 36"	2380 lb
P1) 48" - MH BASE (08"F) T/n - 30"	3705 lb
1) 48" - MH INVERT CHANNEL - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) CASTING - HOE MC-375 F/C BGMU Sanitary	271 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) Kor-N-Seal2 - S206-22L	6 lb
1) Kor-N-Seal1 - S106-20BW	6 lb
6) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>9358 lb</b>

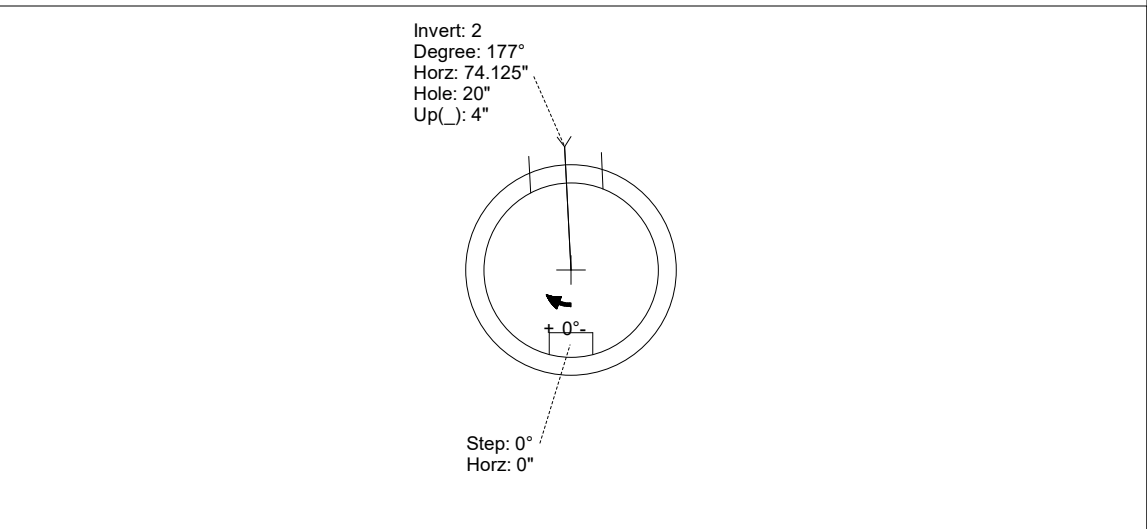
**Structure Notes:**

1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. STEPS AT 0 DEGREES
5. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

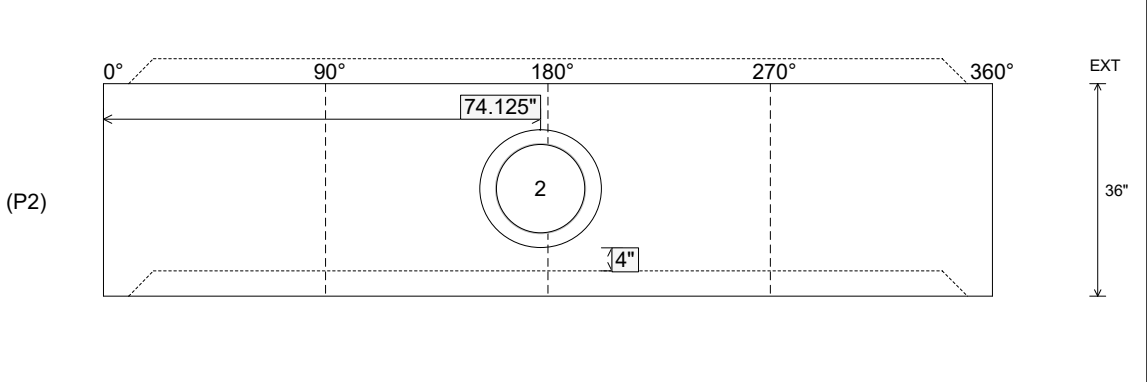
Rim: 478.3'    Rim to Invert: 7.92'    Slack: 1.54"    Sump: 3.5"    Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1										
Invert 2	473.48'	177°	89.625"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	20"	20.629"	4"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



**INSIDE WALL DIMENSIONS**



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 2380 lb Volume (Net): 0.61cu.yd
----------------------------------	------------------------------------	--	--	--



Job Name: 23-2792 - Teal Dr. Development  
 Job Location: Gallatin, TN  
 Contractor: Stewart Richey

Plant: 100  
 3/25/2026 1:41:30 PM

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



**Structure ID: STM-A4**

**P1 MH060BAVF**

**MH BASE Custom Ht F/n**

- P3) 30" x 30" - CASTING HEIGHT - 6"
- P2) 60" - MH FLAT TOP w/30"x30" Hole F/F - 8"
- P1) 60" - MH BASE Custom Ht F/n - 43"
- 1) CASTING - JBS 3101 Single Set (F/G/H)
- 1) 60" - Conseal CS-102 1.00"
- 1) 30" x 30" - Conseal CS-102 1.00"
- 1) Hole - 32
- 1) Hole - 26
- 1) Hole - 18
- 4) MH Step ML-10-TDS-NCR - 10"

0 lb  
 2239 lb  
 6394 lb  
 619 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 9252 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. NO INVERT CHANNEL.  
 4. CASTING BY ICAST (JBS 3101 SINGLE SET (F/G/H))

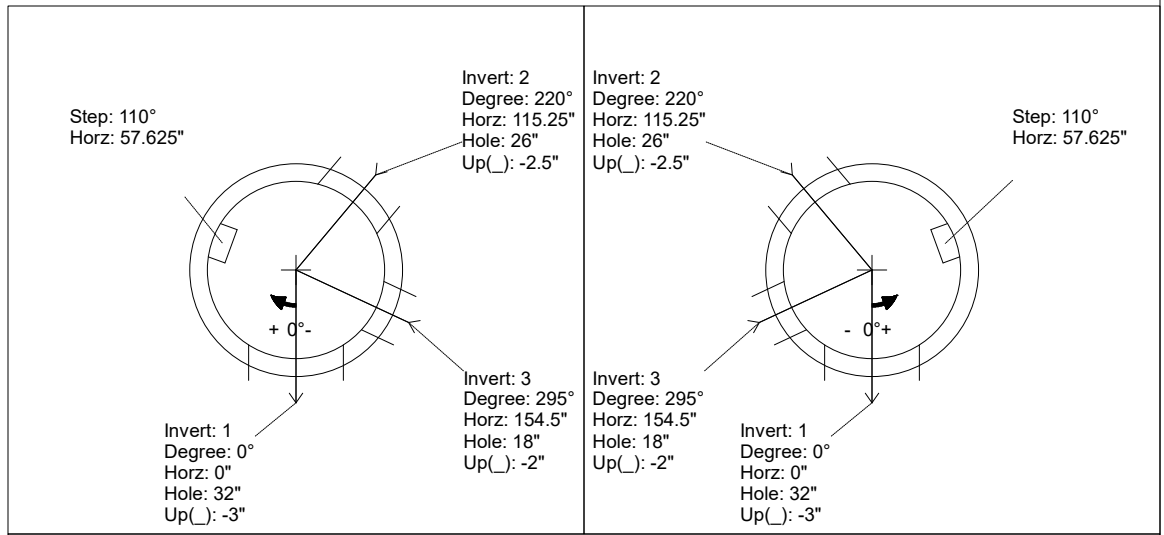
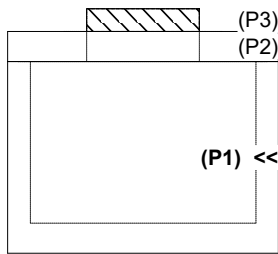
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
 - RISER/WALLS (As .18)  
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 470.12' Rim to Invert: 4.8' Slack: 0.6" Sump: 0" Step Position: 110°

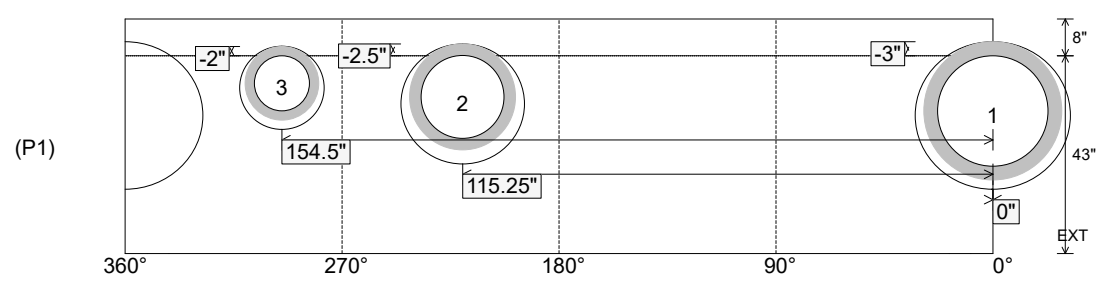
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	465.32'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	33.752"	-3"	0"
Invert 2	465.32'	220°	138.25"	18" RCP B WALL	23"	Hole 26	26"	26.891"	-2.5"	0"
Invert 3	465.32'	295°	185.375"	12" RCP B WALL	16"	Hole 18	18"	18.282"	-2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 43" Height (Ext): 51"	Weight (Net): 6394 lb Volume (Net): 1.63cu.yd
----------------------------------	-------------------------------	--	--	--

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

Plant: 100  
 4/30/2026 1:21:51 PM

Tech: Jared - F  
 PC: J. Jarvis



**Structure ID: S210**

**P1 MH060BAVF**

**MH BASE Custom Ht T/n**

P4) 32" x 32" - CASTING HEIGHT - 3"	0 lb
P3) 60" - MH FLAT TOP w/32"x32" Hole F/G - 13"	2369 lb
P2) 60" - MH RISER T/G - 12"	1253 lb
P1) 60" - MH BASE Custom Ht T/n - 69"	8992 lb
1) CASTING - HOE 595 F/G	376 lb
2) 60" - Conseal CS-102 1.00"	0 lb
1) 32" x 32" - Conseal CS-102 1.00"	0 lb
2) Hole - 30	0 lb
2) Hole - 16	0 lb
<b>Structure Total:</b>	<b>12990 lb</b>

**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)

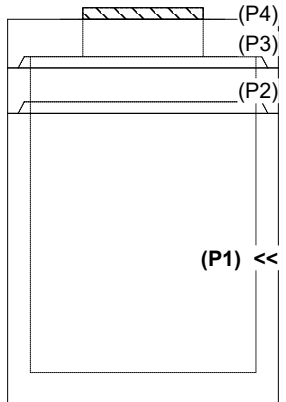
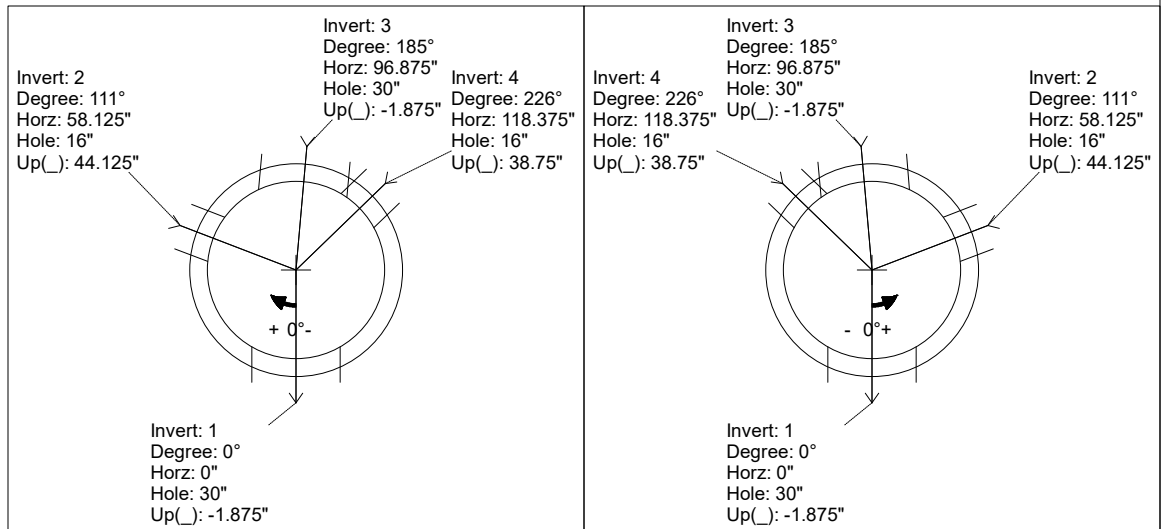
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
 - RISER/WALLS (As .18)  
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 454.59' Rim to Invert: 8.15' Slack: 0.8" Sump: 0" Step Position:

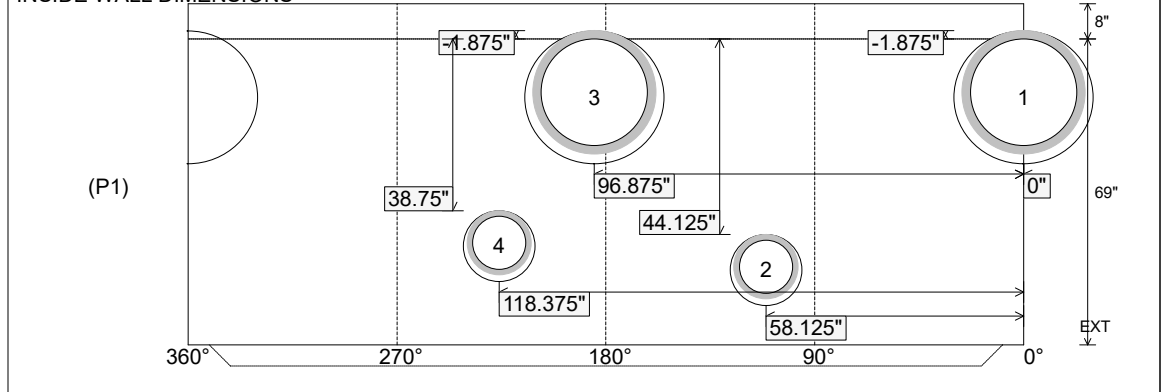
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	446.44'	0°	0"	24" HDPE	27.8"	Hole 30	30"	31.416"	-1.875"	0"
Invert 2	450.22'	111°	69.75"	12" HDPE	14.5"	Hole 16	16"	16.196"	44.125"	0"
Invert 3	446.44'	185°	116.25"	24" HDPE	27.8"	Hole 30	30"	31.416"	-1.875"	0"
Invert 4	449.77'	226°	142"	12" HDPE	14.5"	Hole 16	16"	16.196"	38.75"	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: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 69" Height (Ext): 77"	Weight (Net): 8992 lb Volume (Net): 2.3cu.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 1:21:23 PM

PC: Celina Goff



**Structure ID: 2301542**

**P1 MH060DPVF**

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

P6) 24" - CASTING HEIGHT - 7"	0 lb
P5) 48" - CON CONE w/24" HOLE F/G - 24"	2252 lb
P4) 48" - MH RISER T/G - 48"	3353 lb
P3) 60" - MH Transition Slab 48" Hole T/G - 15"	2204 lb
P2) 60" - MH RISER w/DROP T/G - 60"	6235 lb
P1) 60" - MH BASE (10" F) w/DROP Custom Ht T/n - 59"	11159 lb
1) 60" - MH INVERT CHANNEL - FULL HEIGHT	2692 lb
1) SECONDARY POUR - Add Exterior Drop to Base (P1)	2967 lb
1) SECONDARY POUR - Add Exterior Drop to Riser (P2)	2580 lb
2) 60" - Conseal CS-102 1.00" (Double)	0 lb
2) 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
16) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>33444 lb</b>

**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

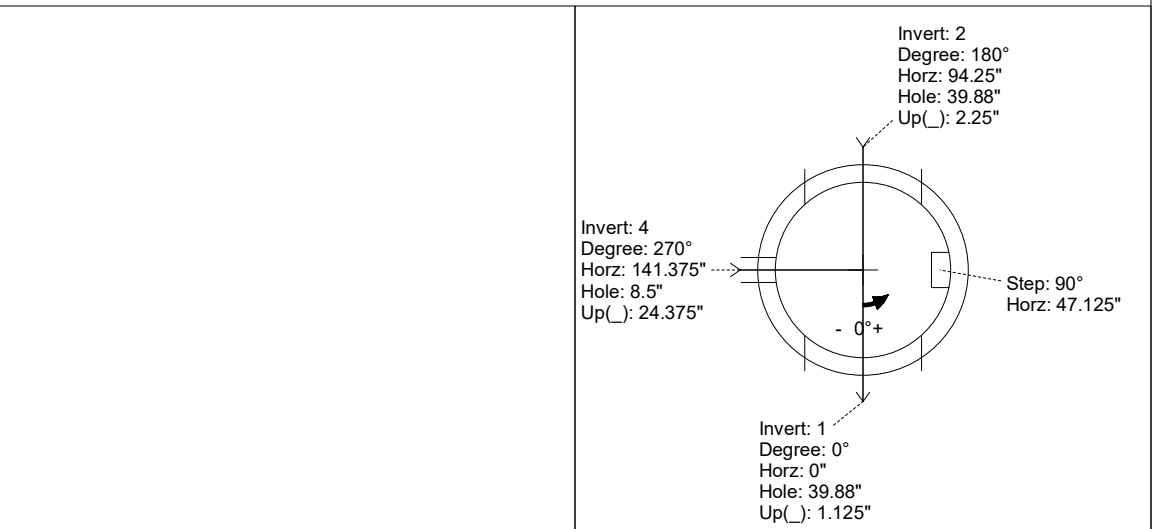
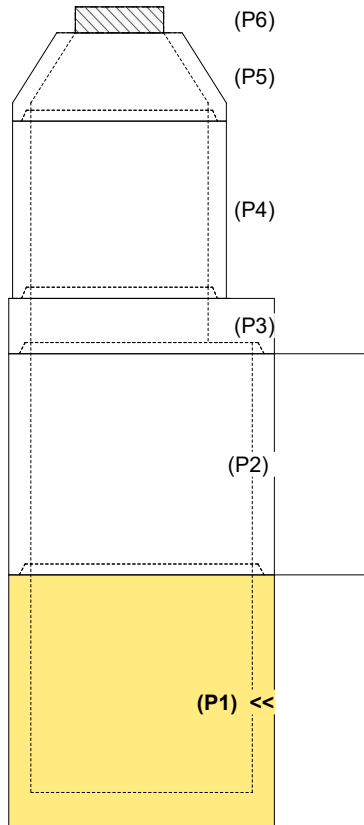
**FIRST POUR (BASE): 11,159 LBS**  
**SECOND POUR (DROP): 2,967 LBS**

Rim: 751.38' Rim to Invert: 17.53' Slack: 0.36" Sump: 3" Step Position: 90°

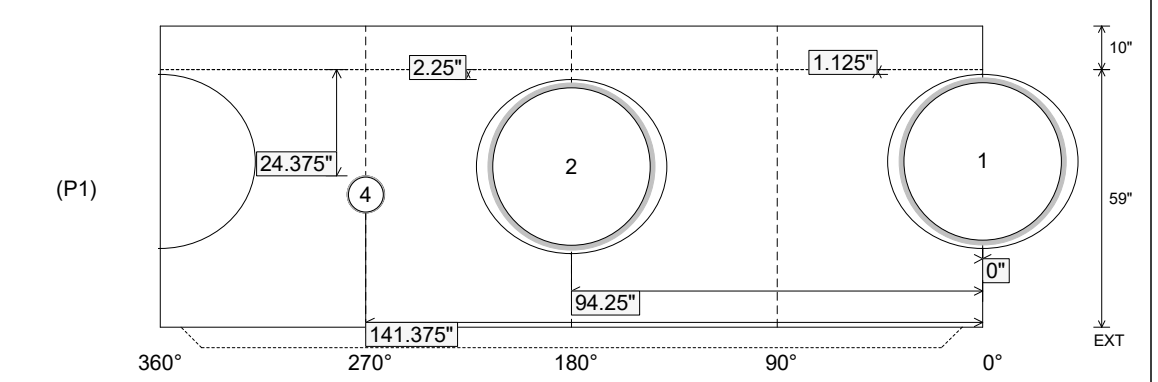
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	733.85'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	733.95'	180°	113.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4	735.65'	270°	169.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	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: 6" Floor Height: 10"	Height (Int): 59" Height (Ext): 69"	Weight (Net): 11159 lb Volume (Net): 2.85cu.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 1:21:23 PM

PC: Celina Goff



**Structure ID: 2301542**

**P1 MH060DPVF**

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

- P6) 24" - CASTING HEIGHT - 7" 0 lb
- P5) 48" - CON CONE w/24" HOLE F/G - 24" 2252 lb
- P4) 48" - MH RISER T/G - 48" 3353 lb
- P3) 60" - MH Transition Slab 48" Hole T/G - 15" 2204 lb
- P2) 60" - MH RISER w/DROP T/G - 60" 6235 lb
- P1) 60" - MH BASE (10" F) w/DROP Custom Ht T/n - 59" 11159 lb
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 2692 lb
- 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 2967 lb
- 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2580 lb
- 2) 60" - Conseal CS-102 1.00" (Double) 0 lb
- 2) 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
- 16) MH Step ML-10-TDS-NCR - 10" 0 lb

Structure Total: 33444 lb

**Structure Notes:**

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. EXTERIOR DROP REINFORCEMENT: DRILL & STUB #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. INVERT CHANNEL REQUIRED
5. STEPS AT 90 DEGREES
6. 7" CASTING SUPPLIED BY OTHERS
7. EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST
8. ADD 8" SDR 35 DROP & ELBOW AT INVERT 4 (270°)

**FIRST POUR (BASE): 11,159 LBS**

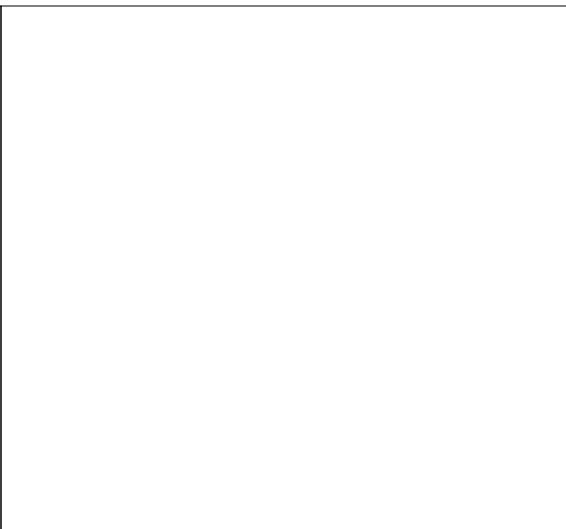
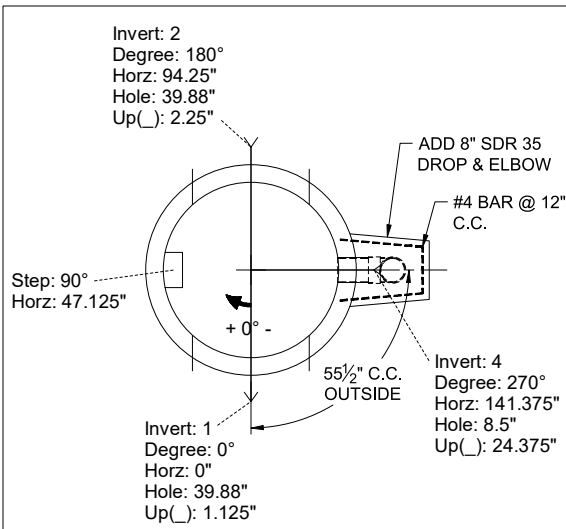
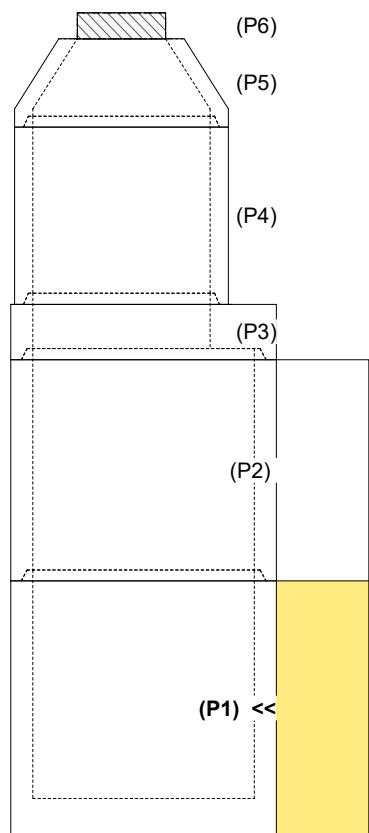
**SECOND POUR (DROP): 2,967 LBS**

Rim: 751.38' Rim to Invert: 17.53' Slack: 0.36" Sump: 3" Step Position: 90°

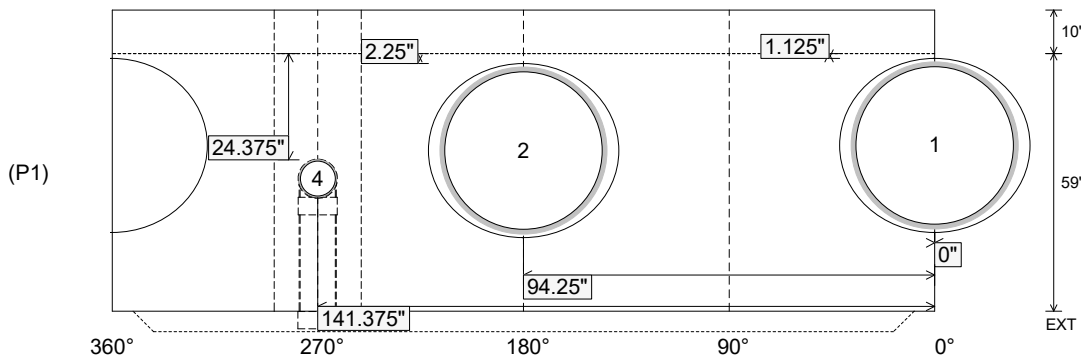
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1	733.85'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	733.95'	180°	113.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4	735.65'	270°	169.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	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: 6"  
Floor Height: 10"

Height (Int): 59"  
Height (Ext): 69"

Weight (Net): 11159 lb  
Volume (Net): 2.85cu.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 1:21:23 PM

PC: Celina Goff



**Structure ID: 2301542**

**P1 MH060DPVF**

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

P6) 24" - CASTING HEIGHT - 7"	0 lb
P5) 48" - CON CONE w/24" HOLE F/G - 24"	2252 lb
P4) 48" - MH RISER T/G - 48"	3353 lb
P3) 60" - MH Transition Slab 48" Hole T/G - 15"	2204 lb
P2) 60" - MH RISER w/DROP T/G - 60"	6235 lb
P1) 60" - MH BASE (10" F) w/DROP Custom Ht T/n - 59"	11159 lb
1) 60" - MH INVERT CHANNEL - FULL HEIGHT	2692 lb
1) SECONDARY POUR - Add Exterior Drop to Base (P1)	2967 lb
1) SECONDARY POUR - Add Exterior Drop to Riser (P2)	2580 lb
2) 60" - Conseal CS-102 1.00" (Double)	0 lb
2) 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
16) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>33444 lb</b>

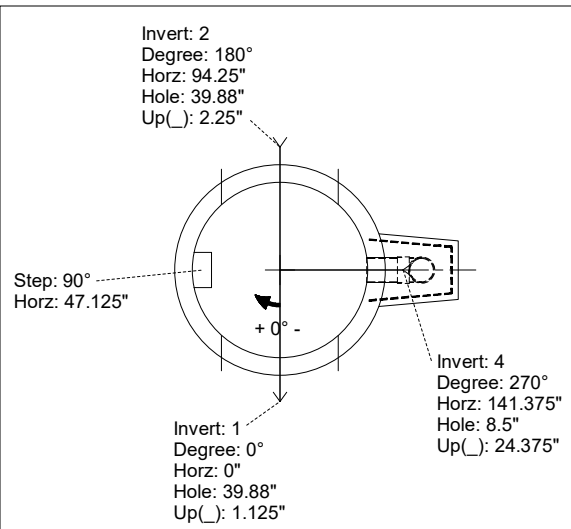
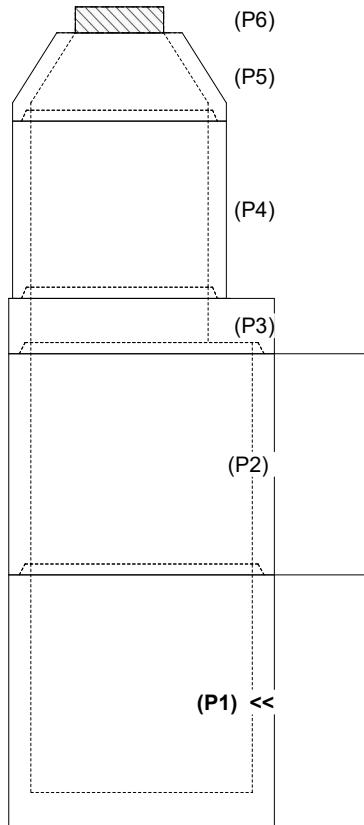
**Structure Notes:**  
 1. PER ASTM C-478 SPECIFICATIONS  
 2. CONCRETE: 4,000 PSI AT 28 DAYS  
 3. REINFORCEMENT:  
 - WALLS: PER ASTM A615 - DOUBLE MAT  
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)  
 4. INVERT CHANNEL REQUIRED  
 5. STEPS AT 90 DEGREES  
 6. 7" CASTING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

Rim: 751.38' Rim to Invert: 17.53' Slack: 0.36" Sump: 3" Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	733.85'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	733.95'	180°	113.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4	735.65'	270°	169.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

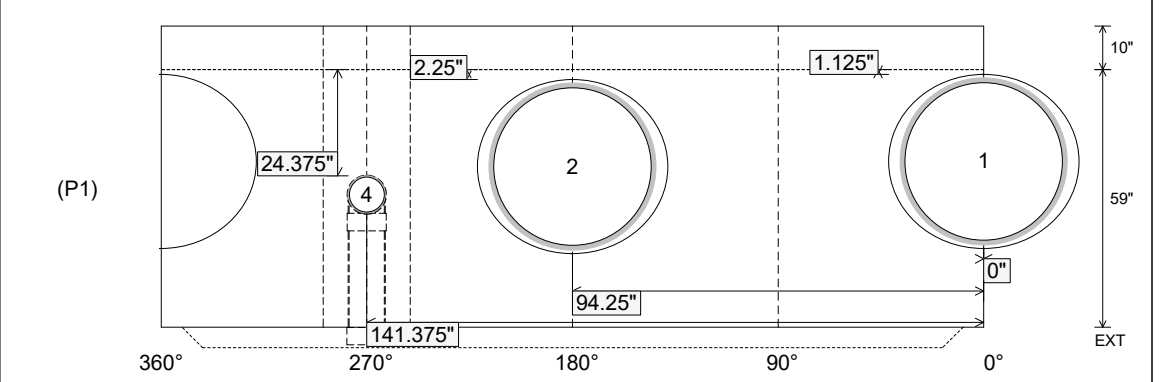
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL  
DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 59" Height (Ext): 69"	Weight (Net): 11159 lb Volume (Net): 2.85cu.yd
----------------------------------	---------------------------------	---	--	---

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

Plant: 100

3/27/2026 11:39:39 AM

Tech: J. Horsley - A

PC: Celina Goff



**Structure ID: 2301539**

**P2 MH060TS15-48ECC**

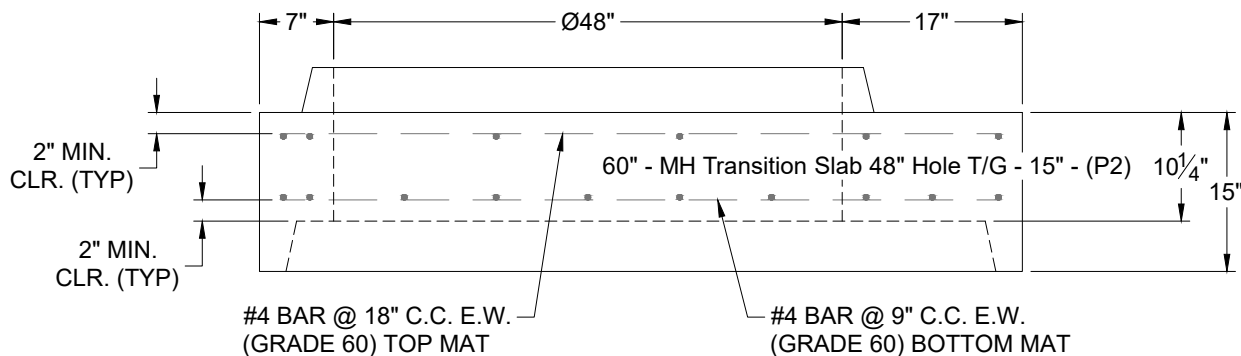
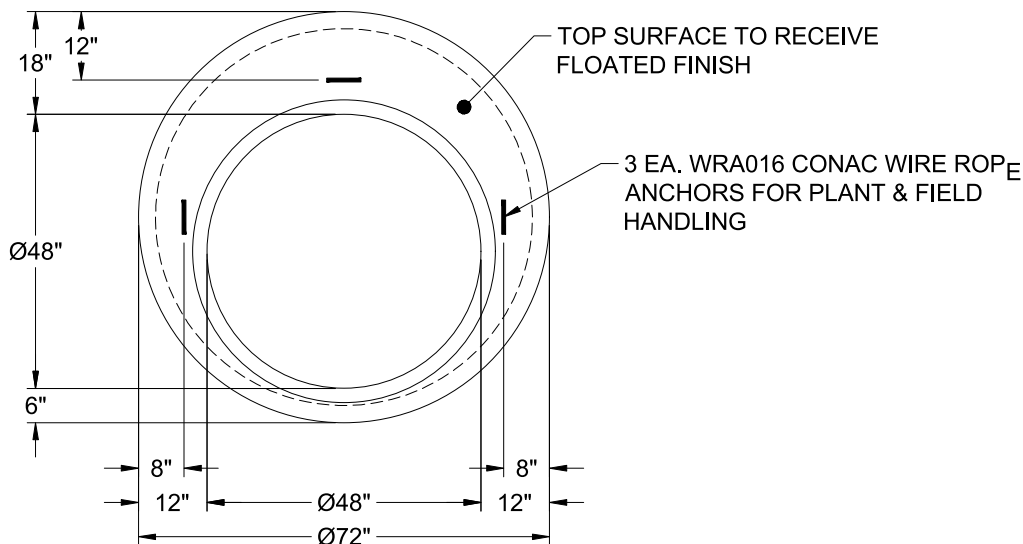
**MH Transition Slab 48" Hole T/G**

- P6) 24" - CASTING HEIGHT - 7"
- P5) 24" - GRADE RING F/F - 6"
- P4) 48" - CON CONE w/24" HOLE F/G - 36"
- P3) 48" - MH RISER T/G - 72"
- P2) 60" - MH Transition Slab 48" Hole T/G - 15"
- P1) 60" - MH BASE (10"F) Custom Ht T/n - 72"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 1) 60" - Conseal CS-102 1.00" (Double)
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 15) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 405 lb
- 2252 lb
- 5030 lb
- 2204 lb
- 9578 lb
- 2692 lb
- 0 lb
- 0 lb
- 2 lb
- 0 lb

Structure Total: 22164 lb

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



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

Job Name: 25-2397B - Sandy Springs Section 2 Sanitary  
 Job Location: Elizabethtown, KY 42701  
 Contractor: Gary Clifford

Plant: 100

5/27/2026 2:07:34 PM

Tech: J. Horsley

PC: T. Lewis



**Structure ID: MH 1**

**P3 MH072RSVF**

**MH RISER Custom Ht T/F**

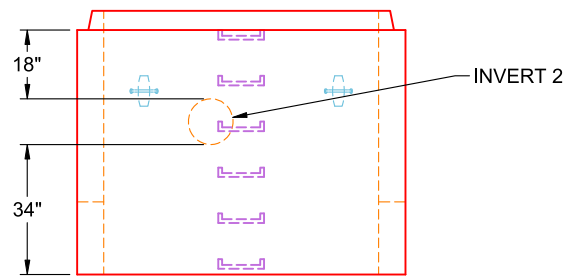
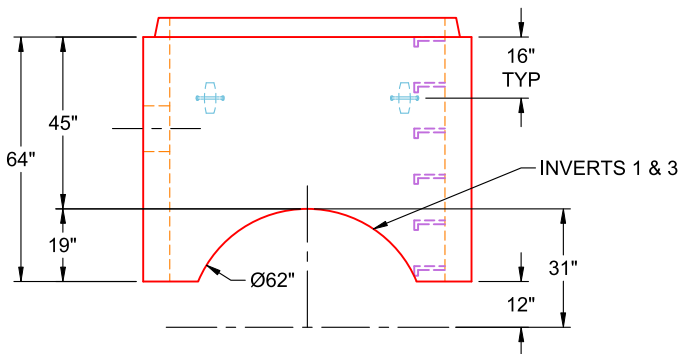
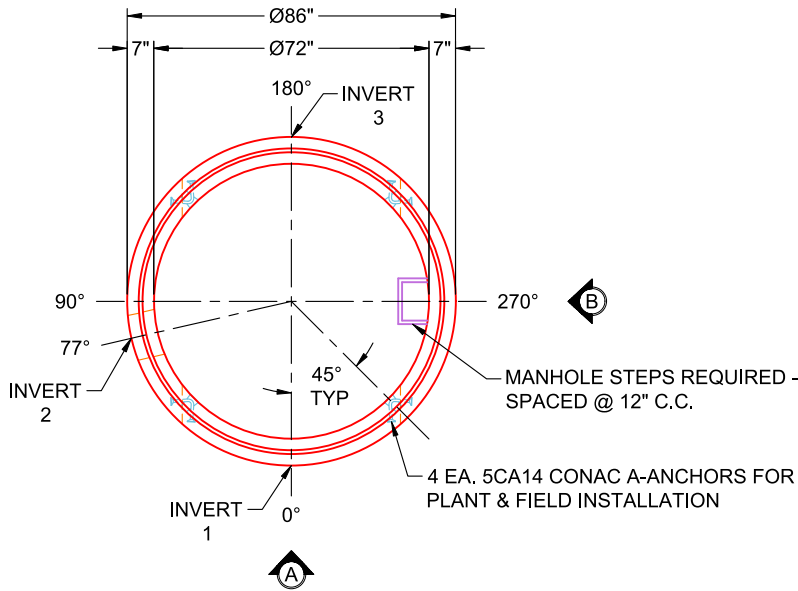
P6) 24" - CASTING HEIGHT - 7"	0 lb
P5) 48" - ECC CONE w/ 24" HOLE F/G - 30"	2050 lb
P4) 72" - MH Transition Slab 48" Hole T/G - 15"	3864 lb
P3) 72" - MH RISER Custom Ht T/F - 64"	8207 lb
P2) 72" - 18" x 12" x 84" Footer Block F/n - 12" (2 Ea.)	3046 lb (1523 lb Ea.)
P1) 72" - P.I.P. By Others - Pipe Backfill F/n - 31"	0 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) CASTING - HOE MC-315 F/C Sanitary	258 lb
1) 72" - Conseal CS-102 1.00" (Double)	0 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) DOGHOUSE - 62 x 19	0 lb
1) PSX - 12-08 DD (DBL Bands)	8 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>17425 lb</b>

**Structure Notes:**

- PER ASTM C-478 SPECIFICATIONS
- CONCRETE: 4,000 PSI AT 28 DAYS
- REINFORCEMENT: PER ASTM A615
- NO INVERT CHANNEL
- STEPS AT 270 DEGREES
- HOE MC-315 FRAME & COVER "SANITARY" SUPPLIED BY ICAST
- LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
- DOUBLE BANDS REQUIRED FOR EACH DIRECT DRIVE BOOT (SUPPLIED BY ICAST)

Rim: 689.3' Rim to Invert: 12.69' Slack: 0.28" Sump: 7" Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1	676.61'	0°	0"	48" RCP B WALL	58"	DOGHOUSE 62 x 19	62" x 19"	66.047"	0"	0"
Invert 2	682.61'	77°	57.75"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.056"	34"	0"
Invert 3	676.61'	180°	135.125"	48" RCP B WALL	58"	DOGHOUSE 62 x 19	62" x 19"	66.047"	0"	0"
Invert 4										



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 7" Floor Height: 0"	Height (Int): 64" Height (Ext): 64"	Weight (Net): 8207 lb Volume (Net): 2.1cu.yd
----------------------------------	----------------------------------	--	--	---

**Structure ID: 10-CS-6**

**P2 MH072RS84**

**MH RISER T/G**

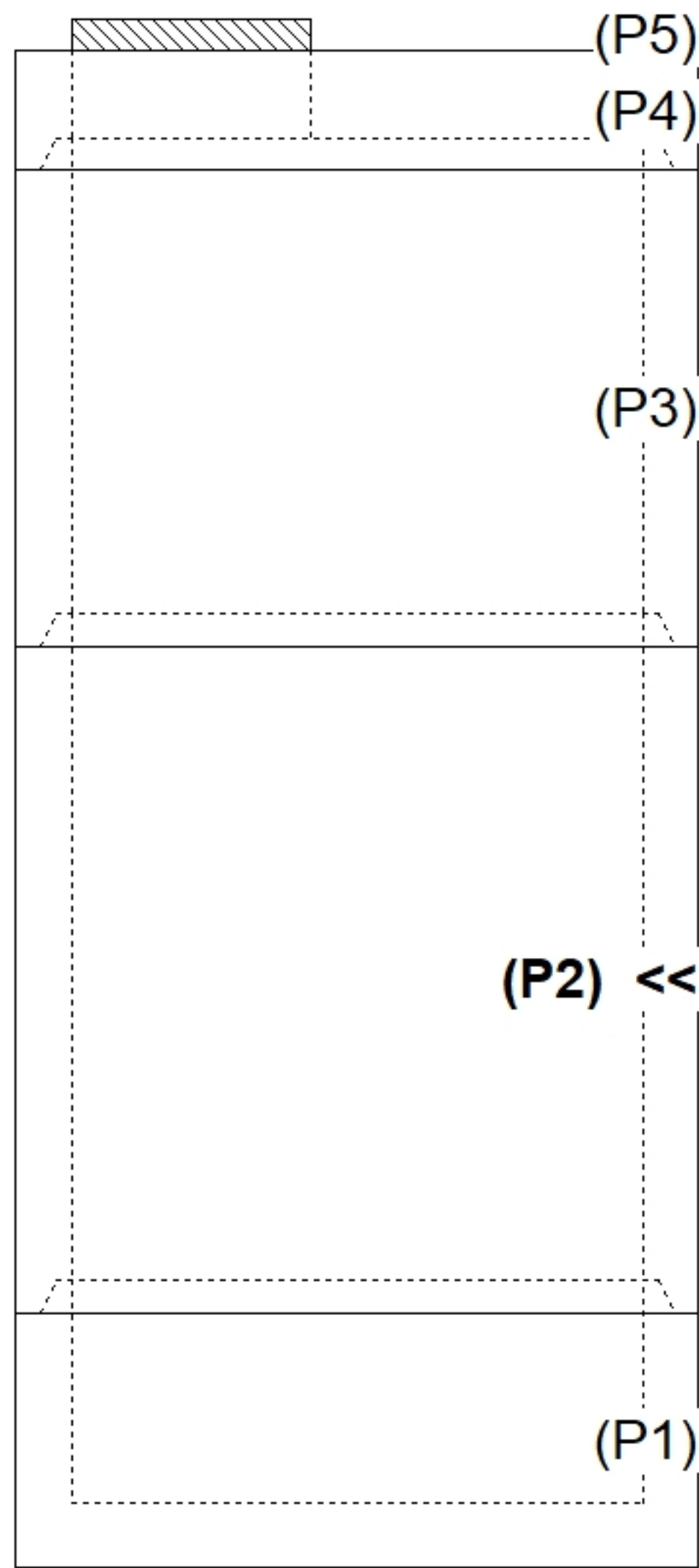
P5) 30" - CASTING HEIGHT - 4" P4) 72" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 15" P3) 72" - MH RISER T/G - 60" P2) 72" - MH RISER T/G - 84" P1) 72" - MH BASE T/n - 24" 1) ASSEMBLY REQUIRED 1) CVSTENCILING 3) 72" - Conseal CS-102 1.00" 2) Hole - 16	0 lb 4661 lb 8747 lb 12008 lb 7398 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 32814 lb
--	---

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

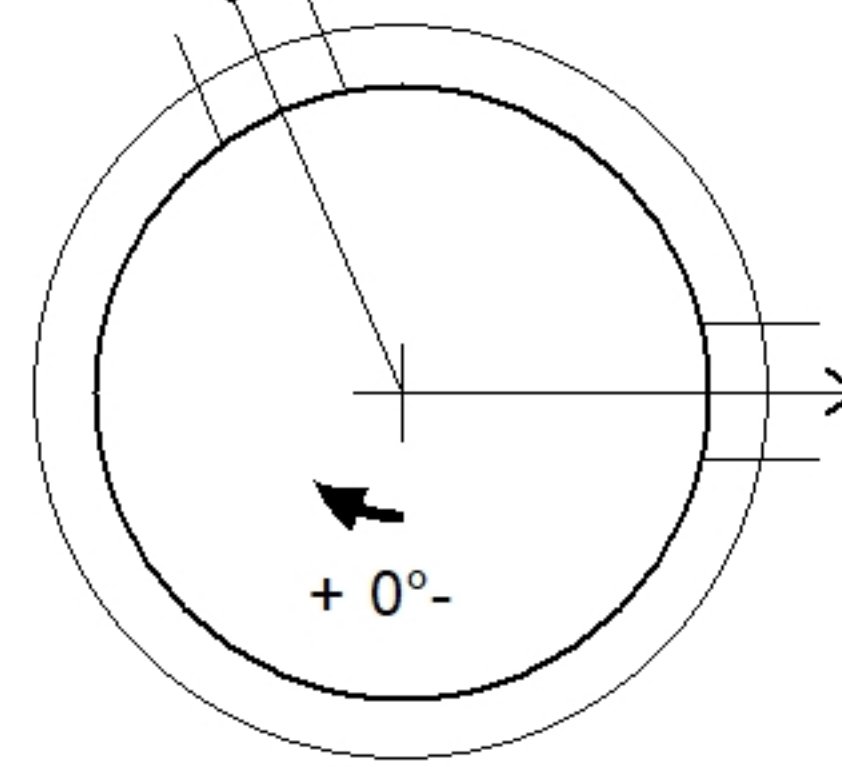
Rim: 455.84' Rim to Invert: 10.76' Slack: 11.156" Sump: 69.036" Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	445.08'	270°	202.633"	10" HDPE	11.4"	Hole 16	16"	16.135"	37.036"	0"
Invert 2	445.08'	157°	117.827"	10" HDPE	11.4"	Hole 16	16"	16.135"	37.036"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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

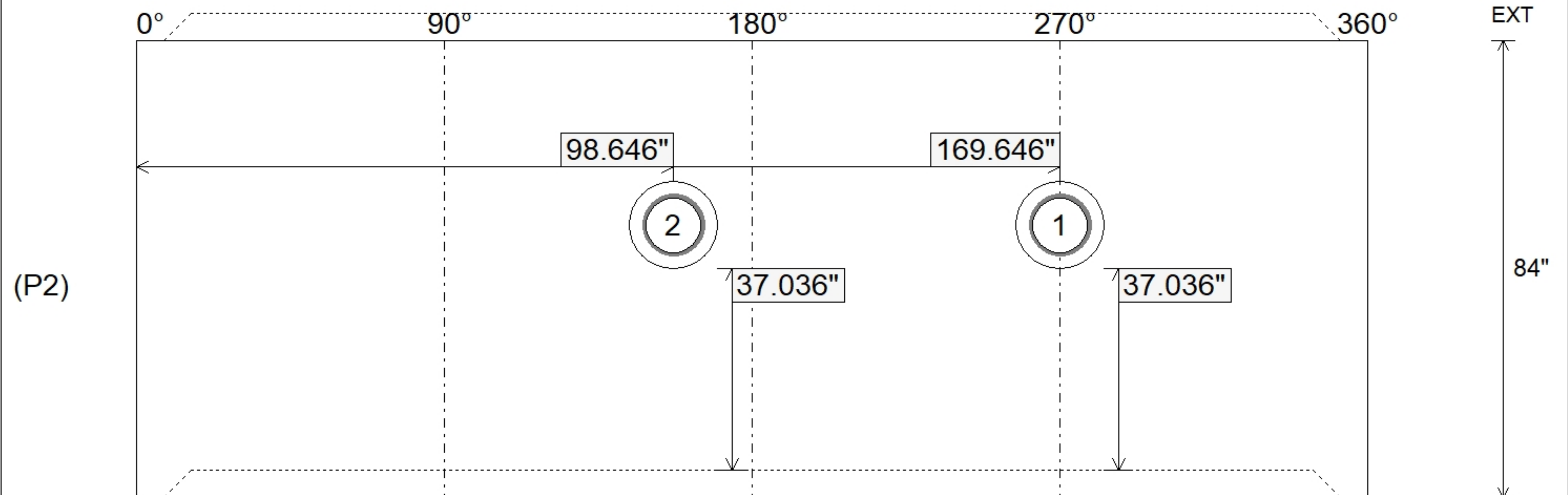


Invert: 2  
 Degree: 157°  
 Horz: 98.646"  
 Hole: 16"  
 Up( ): 37.036"



Invert: 1  
 Degree: 270°  
 Horz: 169.646"  
 Hole: 16"  
 Up( ): 37.036"

**INSIDE WALL DIMENSIONS**



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 7" Floor Height: 0"	Height (Int): 84" Height (Ext): 84"	Weight (Net): 12008 lb Volume (Net): 3.07cu.yd
----------------------------------	------------------------------------	--	--	---

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

Plant: 100

3/27/2026 11:39:26 AM

Tech: J. Horsley - A

PC: Celina Goff



**Structure ID: 2301533**

**P2 MH072TS15-48ECC**

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

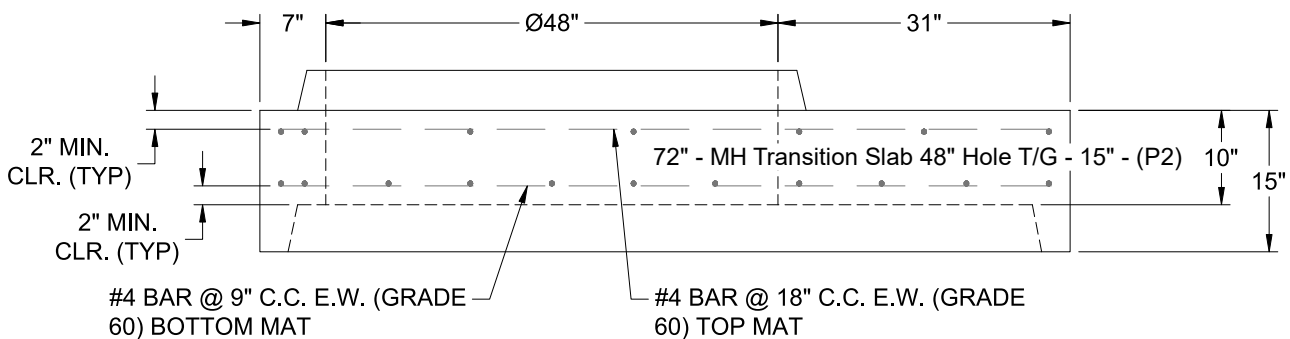
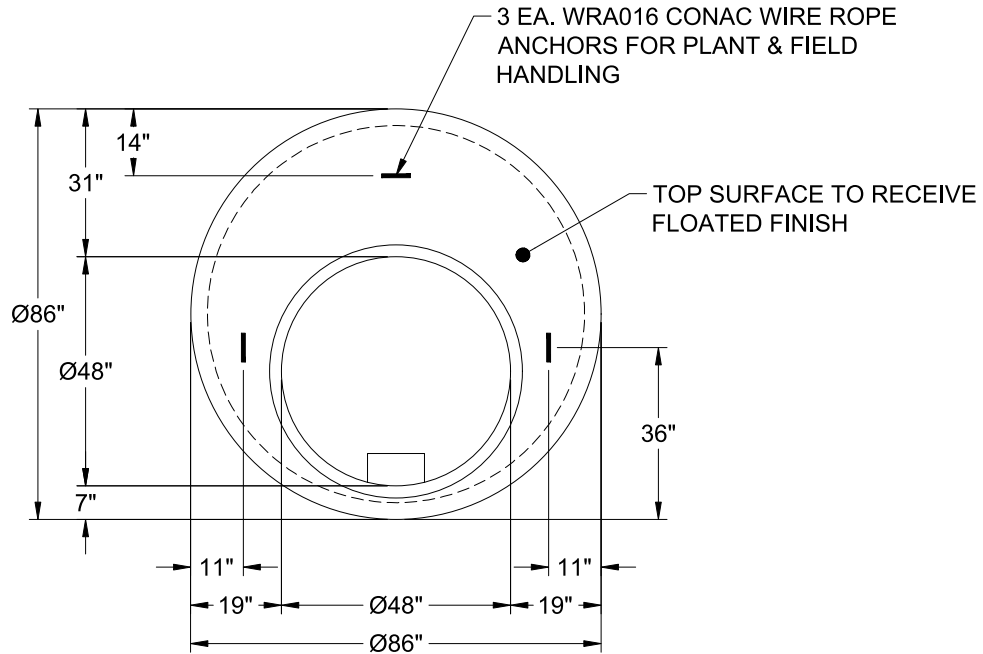
- P5) 24" - CASTING HEIGHT - 7"
- P4) 48" - CON CONE w/24" HOLE F/G - 24"
- P3) 48" - MH RISER T/G - 36"
- P2) 72" - MH Transition Slab 48" Hole T/G - 15"
- P1) 72" - MH BASE Custom Ht T/n - 74"
- 1) 72" - MH INVERT CHANNEL - FULL HEIGHT
- 1) 72" - Conseal CS-102 1.00" (Double)
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 1) PSX - 16L NYLO
- 12) MH Step ML-10-TDS-NCR - 10"

0 lb  
 2252 lb  
 2515 lb  
 3864 lb  
 13028 lb  
 5422 lb  
 0 lb  
 0 lb  
 2 lb  
 8 lb  
 0 lb

Structure Total: 27091 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):  
 - TOP MAT: #4 BAR @ 18" C.C. E.W. (GRADE 60)  
 - BOTTOM MAT: #4 BAR @ 9" C.C. E.W. (GRADE 60)
4. 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"

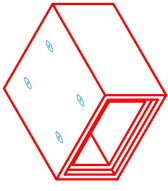
Weight (Net): 3864 lb  
 Volume (Net): 0.99cu.yd



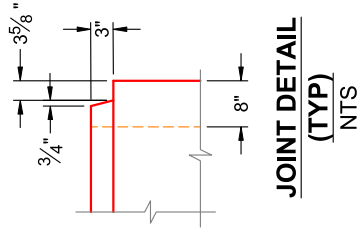
**Structure ID: BC 4 x 2 (PC 12)**

**P1 BC048024-08WLF**

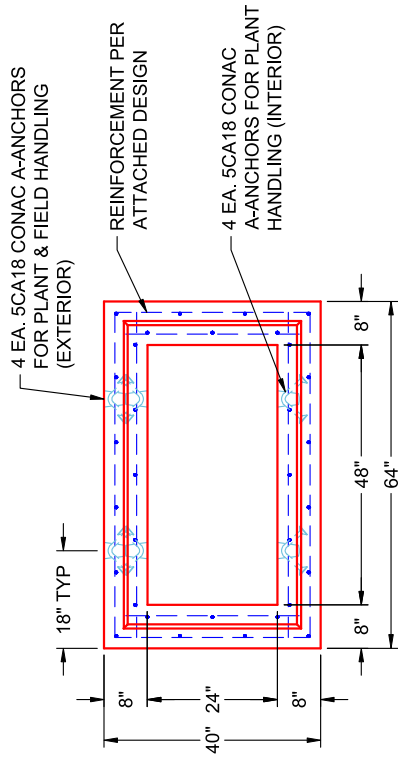
**BOX CULVERT (08W/08F/08T) No Haunch G/T**



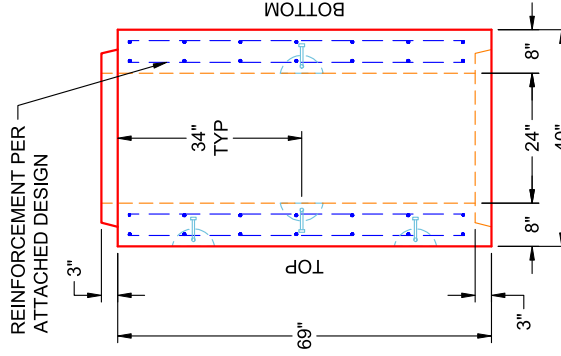
**COMPONENT ISOMETRIC VIEW**



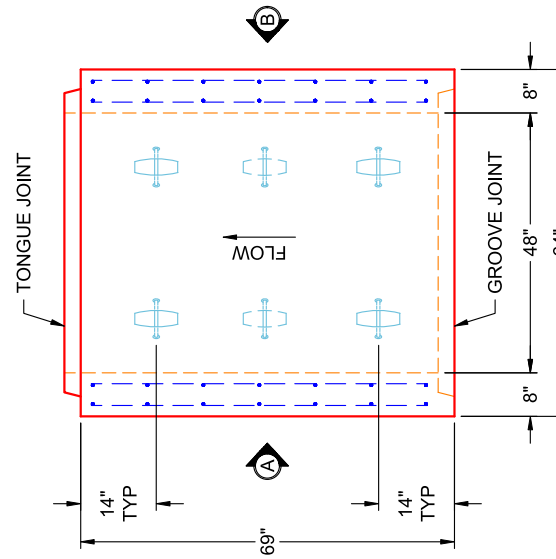
**JOINT DETAIL (TYP) NTS**



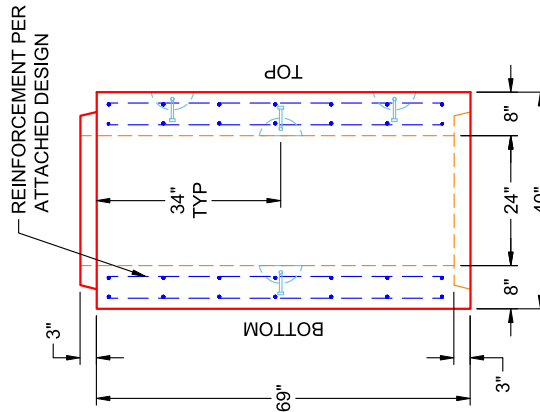
**END VIEW TYPICAL**



**VIEW B PC 12 (UPRIGHT IN MOLD)**



**PLAN VIEW PC 12 (UPRIGHT IN MOLD)**



**VIEW A PC 12 (UPRIGHT IN MOLD)**

**GENERAL NOTES:**

1. MANUFACTURED TO ASTM C-1577 & SECTION 714 OF INDOT STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE BOX STRUCTURES
2. LOAD REQUIREMENTS: HL93
3. REINFORCEMENT PER ATTACHED DESIGN
4. COVER DEPTH: 4'-8"
5. CONCRETE: 5,000 PSI AT 28 DAYS
6. JOINT SEALANT: 1" BUTYL MASTIC (CS-102) EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
7. WEIGHT: 4' X 2' (48" X 24") RCBC = 1,418 LBS / LF (69" LONG SECTION = 8,152 LBS)

# INFRASTRUCTURE PRECAST (ICAST)

Sht \_\_\_\_\_ of \_\_\_\_\_  
 By: J. Horsley  
 Ck: \_\_\_\_\_  
 5/11/2026 4:10:17 PM  
 p. 1 of 3

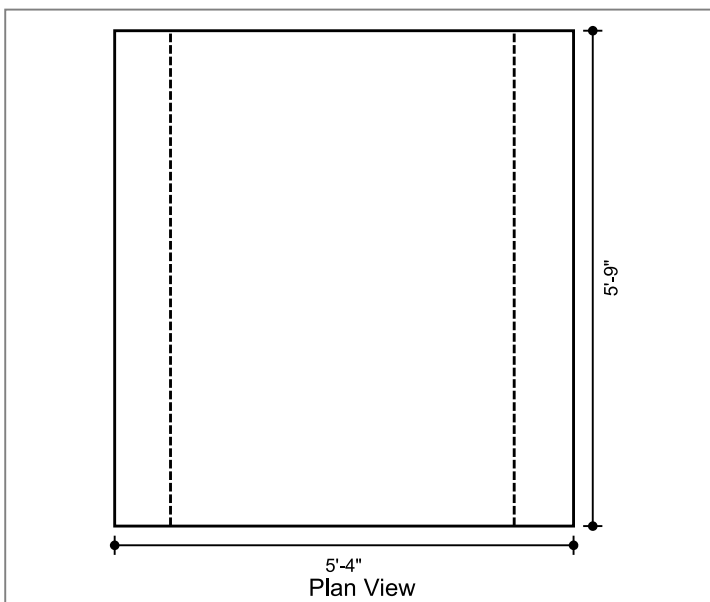
Project : Alcoa Outfall  
 Task :  
 Job No. : 25-2073

Client: Bowen Engineering Co  
 File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

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

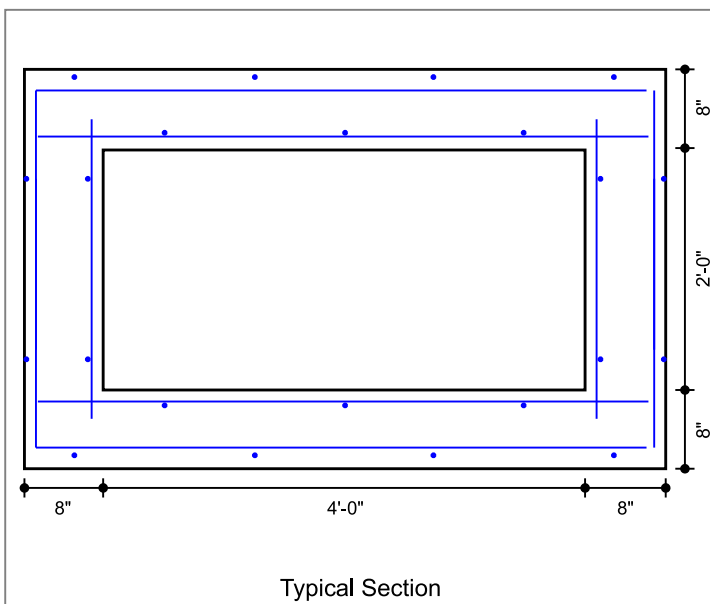
## Physical Dimensions

Clear Span: 4'-0"  
 Clear Height: 2'-0"  
 Top Slab: 8"  
 Bottom Slab: 8"  
 Ext. Wall: 8"  
 Fill Depth Range  
 Maximum: 7.99 ft  
 Minimum: 4.00 ft  
 Increment: 0.50 ft  
 Length: 5'-9"  
 Skew Angle: 0.00 deg  
 Bottom Slab Support: Full Slab  
 Top Haunch, Width: 0"  
 Top Haunch, Height: 0"  
 Bottom Haunch, Width: 0"  
 Bottom Haunch, Height: 0"



## Material Properties

Concrete  
 Strength, f<sub>c</sub>: 5.000 ksi  
 Density: 0.150 kcf  
 Elasticity, E<sub>c</sub>: 3834 ksi  
 Type: Normal wt  
 Steel  
 Yield, f<sub>y</sub>: 60 ksi  
 Allow Stress: 36 ksi  
 Elasticity, E<sub>s</sub>: 29000 ksi  
 Soil  
 Density: 0.120 kcf  
 Exposure Factor  
 Class 2 Exposure  
 Reinforcement Covers  
 Ext. Cover Top Slab: 2"  
 Ext. Cover Bottom Slab: 1"  
 Ext. Cover Walls: 1"  
 Int. Cover Walls: 1"  
 Int. Cover Top Slab: 1"  
 Int. Cover Bottom Slab: 1"



## Controlling Ratings

Inventory Rating: NaN  
 Operating Rating: NaN

## Loads

Live Load  
 Vehicle Names: HL-93  
 Traffic Direction: Parallel  
 Eq. Height of Soil: Calculated  
 Dead Load  
 Future Wearing Surface: 0.000 klf  
 Additional Dead Load: 0.000 klf  
 Concentrated Loads: none

Lateral Soil Loads  
 Eq. Fluid Press. Max: 60.00 pcf  
 Eq. Fluid Press. Min: 30.00 pcf

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

# INFRASTRUCTURE PRECAST (ICAST)

Sht \_\_\_\_\_ of \_\_\_\_\_

By: J. Horsley

Ck: \_\_\_\_\_

5/11/2026 4:10:17 PM

etc of 3

Project : Alcoa Outfall

Task :

Client: Bowen Engineering Co

Job No. : 25-2073

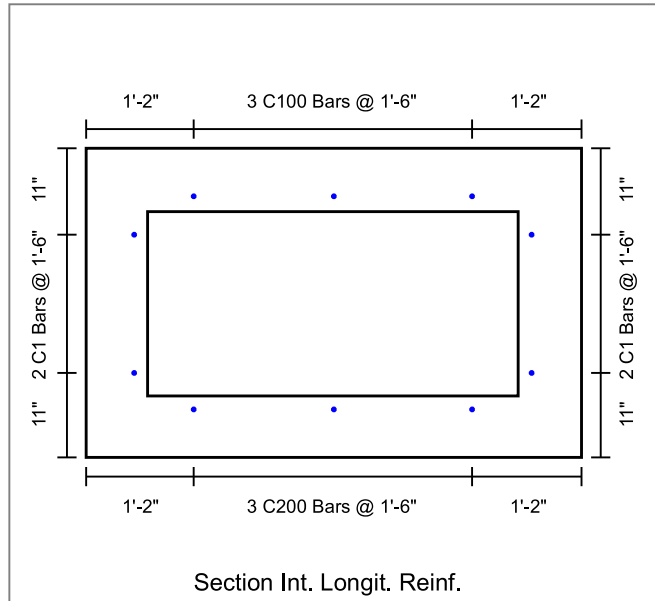
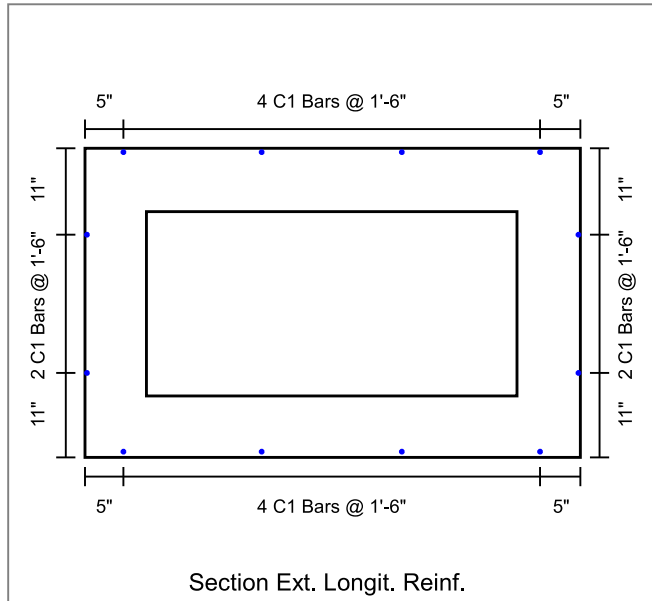
File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

## Concrete Summary

Volume of Concrete: 0.362 cy/ft Total Volume of Concrete: 2.082 cy

## Reinforcing Steel Bar Schedule (lb)

Location	Mark	Qty	Size	Spacing	Type	Length	Center	Ver.Leg	Tot.Weight
Top Slab(Int)	A100 (AS2)	6	4	1'-0"	S	5'-1"	--	--	20.0
Bot Slab(Int)	A200 (AS3)	6	4	1'-0"	S	5'-1"	--	--	20.0
Corner(Top)	A1 (AS1)	6	4	1'-0"	U	9'-5"	5'-1"	2'-2"	38.0
Corner(Bot)	A2 (AS1)	6	4	1'-0"	U	9'-7"	5'-1"	2'-3"	38.0
Wall(Int)	B1 (AS4)	12	4	1'-0"	S	2'-6"	--	--	20.0
Longit. Top (Int)	C100 (AS5)	3	3	1'-6"	S	5'-8"	--	--	6.0
Longit. Bot (Int)	C200	3	3	1'-6"	S	5'-8"	--	--	6.0
Longit. Top (Ext)	C1 (AS6)	4	3	1'-6"	S	5'-8"	--	--	8.6
Longit. Bot (Ext)	C1 (AS6)	4	3	1'-6"	S	5'-8"	--	--	8.6
Longit. Wall (Ext)	C1 (AS6)	4	3	1'-6"	S	5'-8"	--	--	8.6
Longit. Wall (Int)	C1 (AS6)	4	3	1'-6"	S	5'-8"	--	--	8.6
									182



# INFRASTRUCTURE PRECAST (ICAST)

Sht \_\_\_\_\_ of \_\_\_\_\_

By: J. Horsley

Ck: \_\_\_\_\_

5/11/2026 4:10:17 PM

Project : Alcoa Outfall

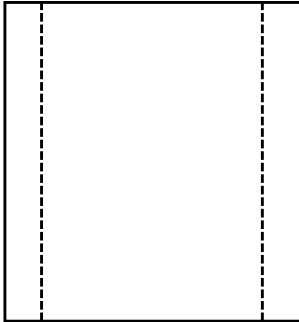
Client: Bowen Engineering Co

Task :

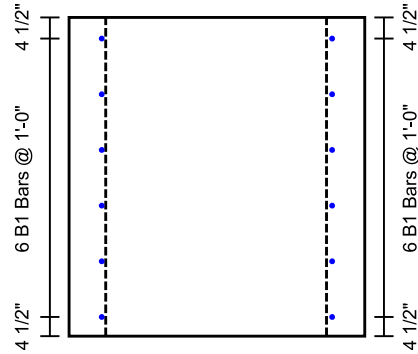
File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

Job No. : 25-2073

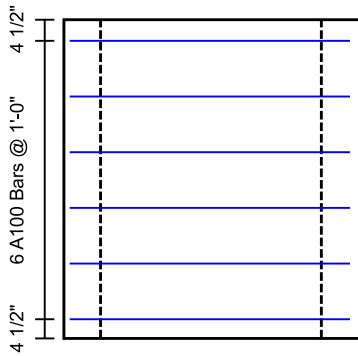
Sheet 3 of 3



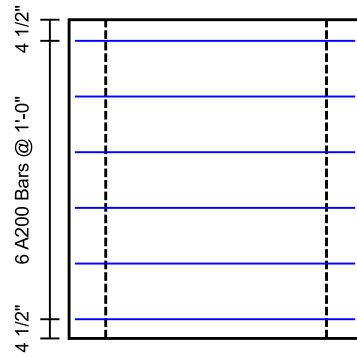
Ext. Wall Reinf.



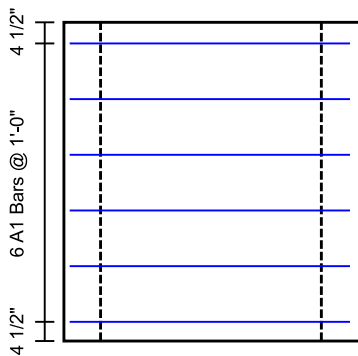
Int. Wall Reinf.



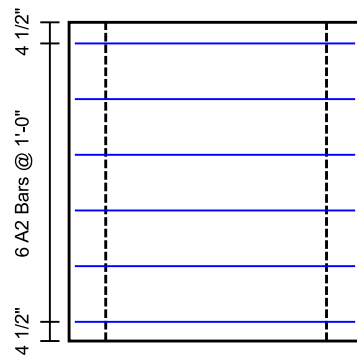
Top Slab Int. Reinf.



Bottom Slab Int. Reinf.



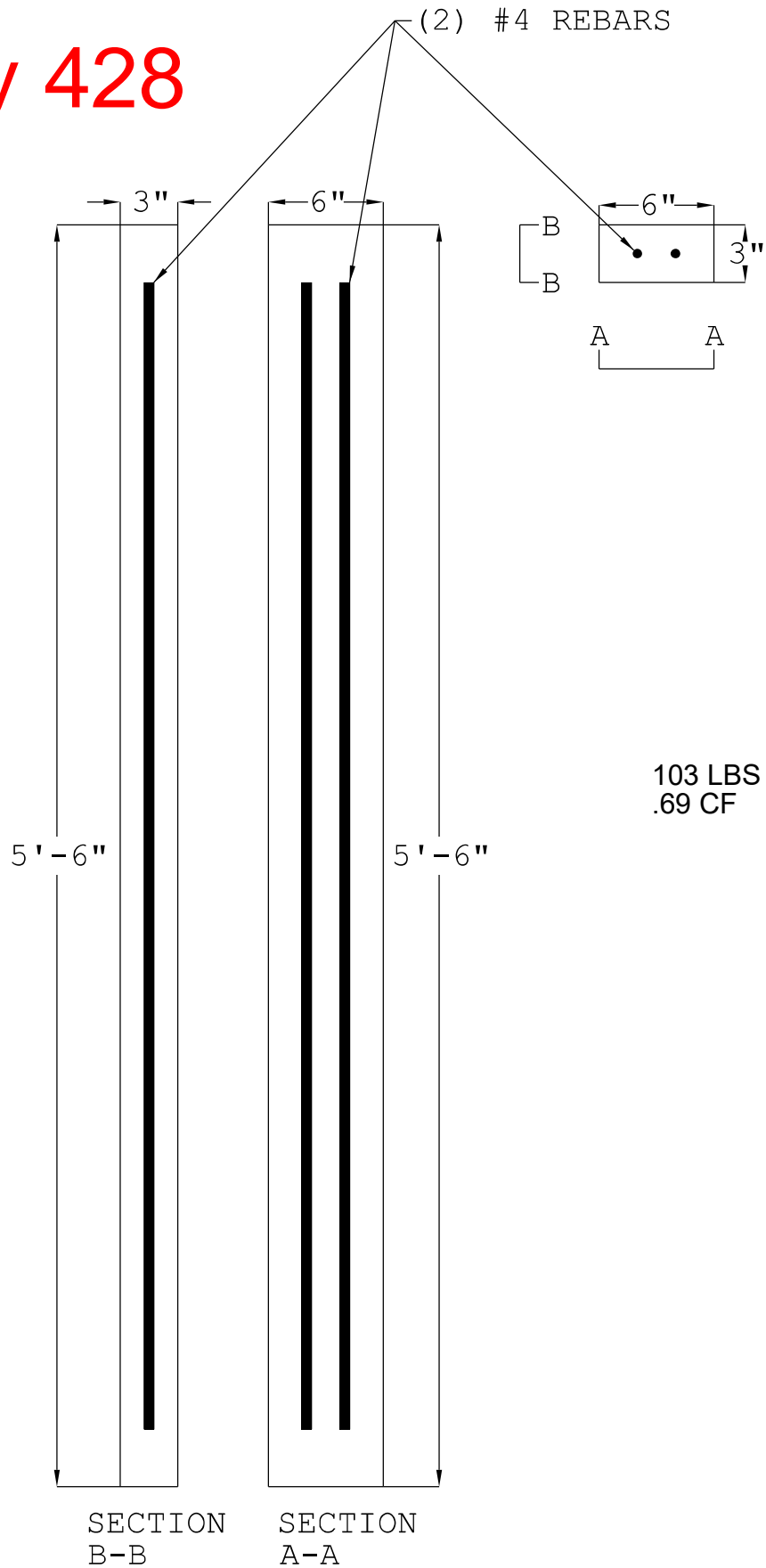
Top Slab Corner Reinf.



Bottom Slab Corner Reinf.

# ALCOA CONCRETE LOGS

Quantity 428



Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:14:54 AM

Tech: J. Coppage  
 PC: J. Jarvis



**Structure ID: 405+33 RT DBI-16G MOD. INLET 49A**

**P1 BX24300808VF**

**BOX BASE 8inW, 8inF, Variable Ht**

- P2) 24" x 30" - P.I.P. - BY OTHERS - 8"
- P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 20"
- 1) 24" x 30" - Conseal CS-102 1.00"
- 2) Hole - 18
- 2) Hole - 4

0 lb  
 2780 lb  
 0 lb  
 0 lb  
 0 lb  
 Structure Total: 2780 lb

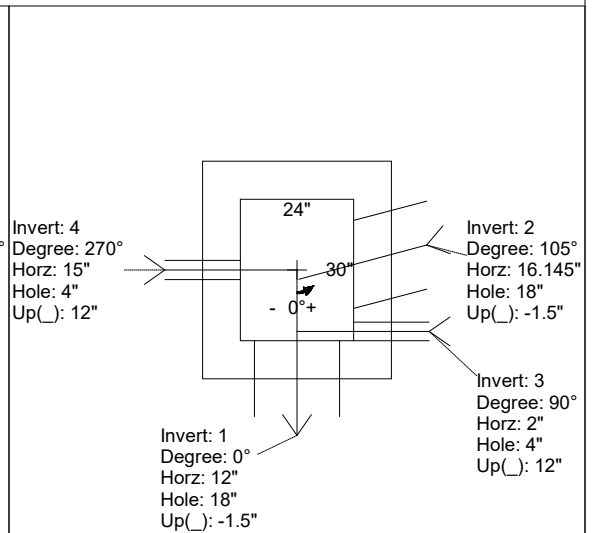
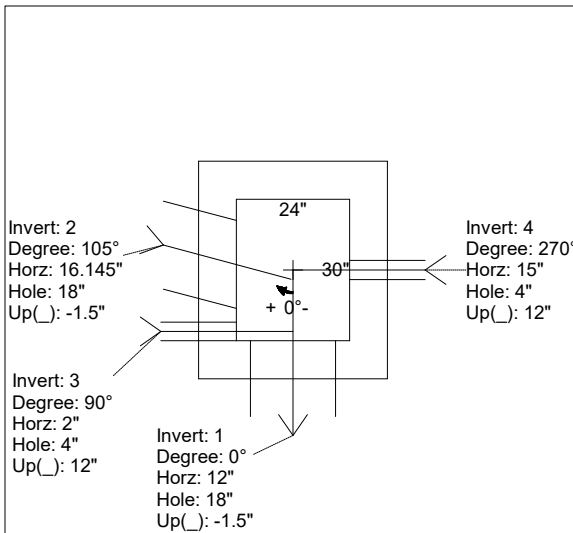
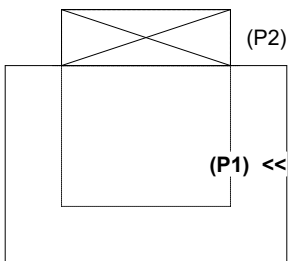
**Structure Notes:**  
 -KYTC STATE PROJECT 251007  
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
 -DBI 16G FRAME & GRATE BY OTHERS.  
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).  
 -#5 BAR STUBBED OUT OF TOP OF BOX 24" AT 12" C/C FOR FIELD POURED CURB & GUTTER.  
 -KYTC CERTIFICATIONS REQUIRED.

Rim: 590.12' Rim to Invert: 2.37' Slack: 0.44" Sump: 0" Step Position:

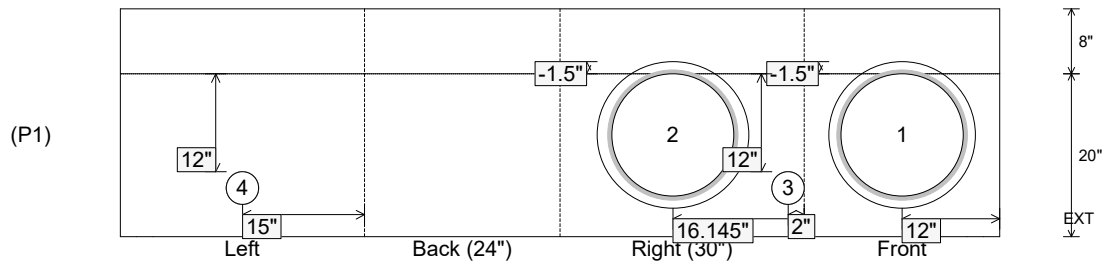
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	587.75'	0°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 2	587.75'	105°	26.288"	15" CMP	16"	Hole 18	18"	18.635"	-1.5"	-2"
Invert 3	588.75'	90°	10"	4" WEEP HOLE	4"	Hole 4	4"	4"	12"	-13"
Invert 4	588.75'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	12"	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): 20"  
 Height (Ext): 28"

Weight (Net): 2780 lb  
 Volume (Net): 0.71cu.yd

Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:14:53 AM

Tech: J. Coppage  
 PC: J. Jarvis



**Structure ID: 113+44 RT DBI-15 INLET 2**

**P1 BX2424-08BAVF**

**BOX BASE 8inW, 8inF, Variable Ht**

- P2) 24" x 24" - CB FLAT TOP 8"W (HOE KY-215 F&G) - 8"
- P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 22"
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 18"

770 lb  
 2794 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 3564 lb

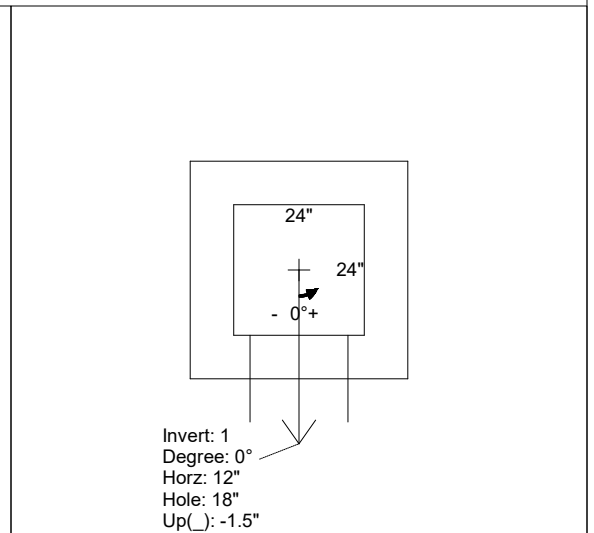
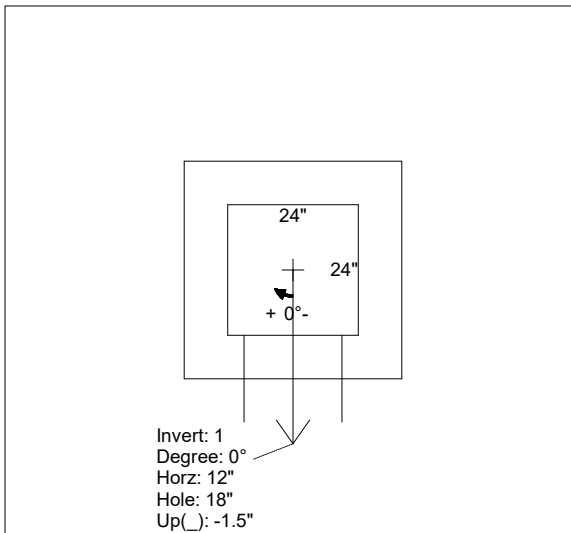
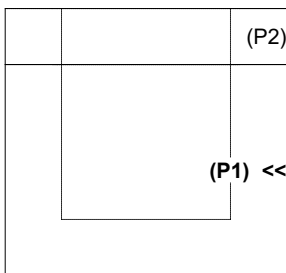
**Structure Notes:**  
 -KYTC STATE PROJECT 251007  
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
 -CASTING BY OTHERS.  
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).  
 -KYTC CERTIFICATIONS REQUIRED.

Rim: 587.75' Rim to Invert: 2.5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	585.25'	0°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

Height (Int): 22"  
 Height (Ext): 30"

Weight (Net): 2794 lb  
 Volume (Net): 0.71cu.yd

Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:14:52 AM

Tech: J. Coppage  
 PC: J. Jarvis



**Structure ID: 113+44 RT CBI-A INLET 1**

**P1 BX2436-08BA30**

**BOX BASE 8inW, 8inF**

- P3) 24" x 120" - CB INLET KY A 10' TOP LEFT - 10"
- P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT - 18"
- P1) 24" x 36" - BOX BASE 8inW, 8inF - 30"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22
- 1) Hole - 18

3400 lb  
 5270 lb  
 4031 lb  
 0 lb  
 0 lb  
 0 lb  
 Structure Total: 12701 lb

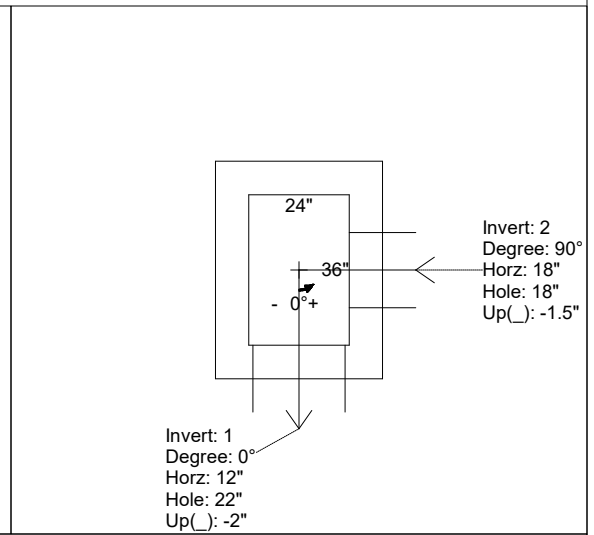
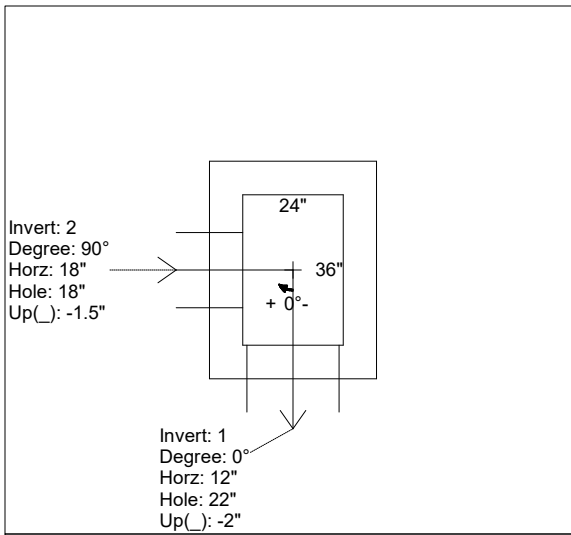
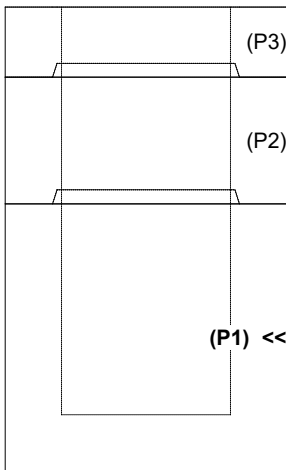
**Structure Notes:**  
 -KYTC STATE PROJECT 251007  
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).  
 -KYTC CERTIFICATIONS REQUIRED.

Rim: 589.93' Rim to Invert: 5.2' Slack: 4.4" Sump: 0" Step Position:

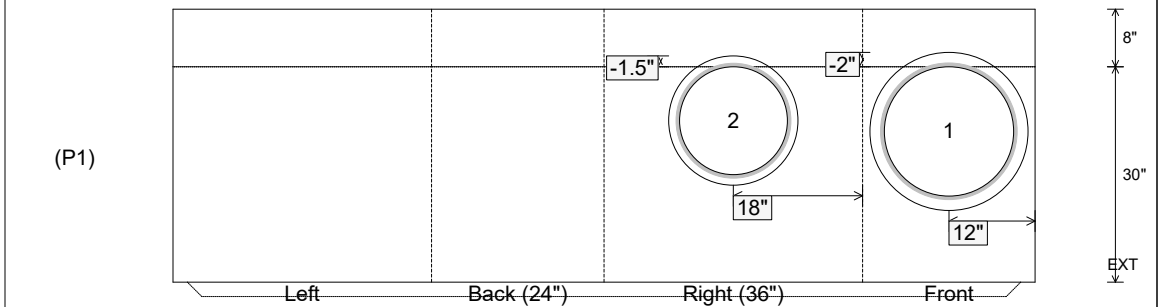
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	584.73'	0°	20"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 2	584.73'	90°	26"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Tongue  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

Height (Int): 30"  
 Height (Ext): 38"

Weight (Net): 4031 lb  
 Volume (Net): 1.03cu.yd

Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:14:56 AM

Tech: J. Coppage  
 PC: J. Jarvis



**Structure ID: 403+46 RT CBIA-MOD INLET 51**

**P1 BX2436-08BVF BOX BASE 8inW, 8inF, Variable Ht**

- P3) 24" x 120" - CB INLET KY A 10' TOP LEFT - 10"
- P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT - 18"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 20"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 18"

**Structure Notes:**  
 -KYTC STATE PROJECT 251007  
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).  
 -KYTC CERTIFICATIONS REQUIRED.

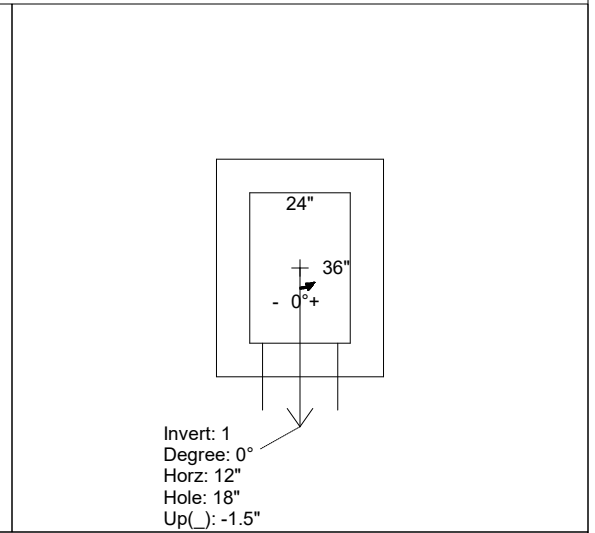
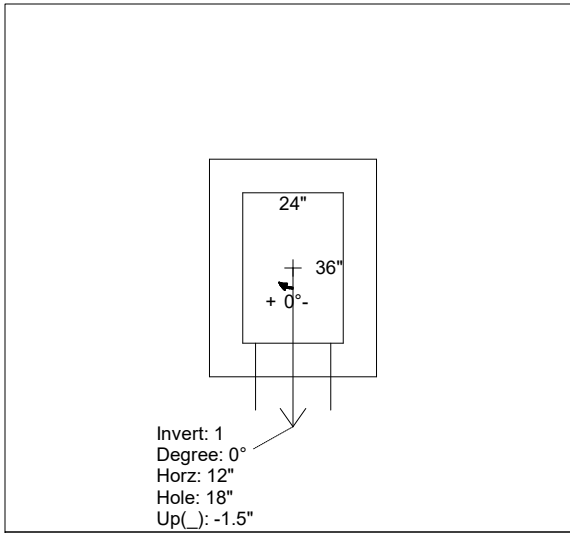
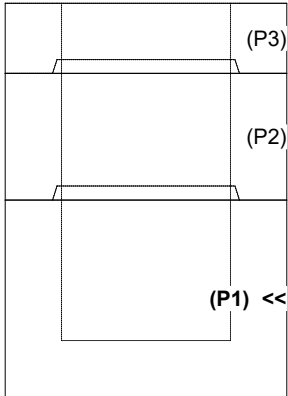
Structure Total: 11936 lb

Rim: 593.36' Rim to Invert: 4.31' Slack: 3.72" Sump: 0" Step Position:

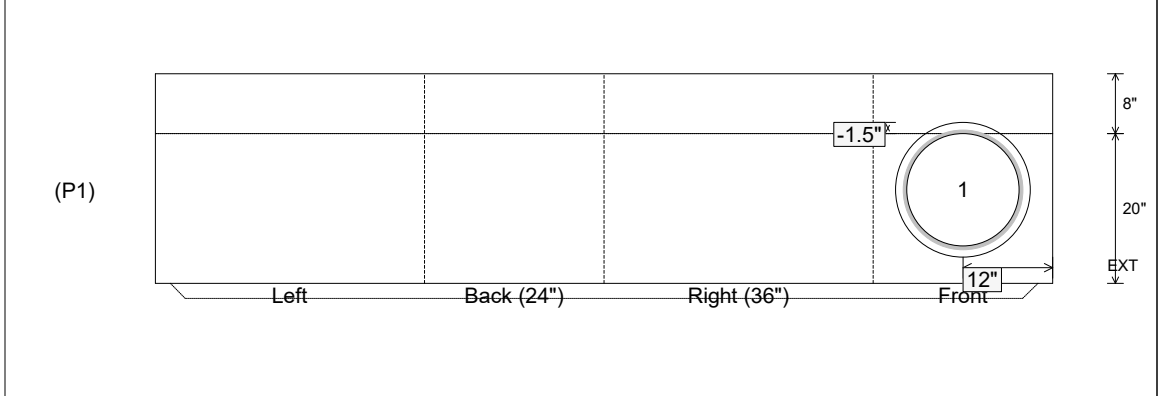
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (Δ)	Offset
Invert 1	589.05'	0°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 20" Height (Ext): 28"	Weight (Net): 3266 lb Volume (Net): 0.83cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4733 - The Paddock  
 Job Location: Springfield, KY  
 Contractor: Core & Main LP (Lou)

Plant: 100

Tech: Jared - F

5/14/2026 1:09:52 PM

PC: T. Lewis



**Structure ID: CI-A2**

**P2 BX2436-08R24**

**BOX RISER 8inW F/G**

- P3) 24" x 36" - CASTING HEIGHT - 6"
- P2) 24" x 36" - BOX RISER 8inW F/G - 24"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 60"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 2) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 30
- 1) Hole - 24

0 lb  
 2449 lb  
 6816 lb  
 442 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 9707 lb

Structure Notes:

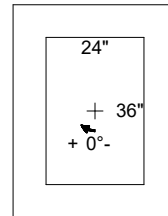
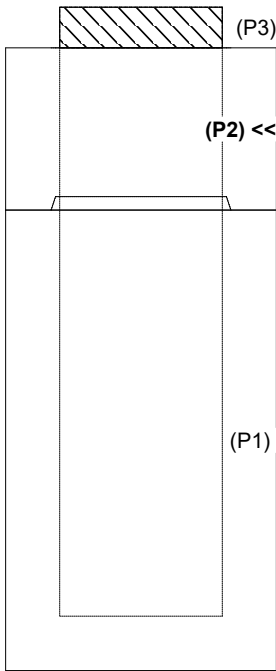
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).

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.

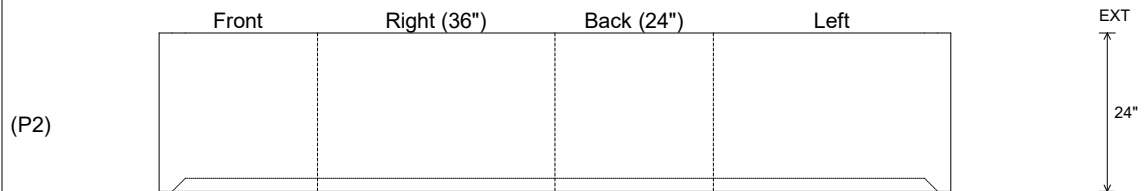
Rim: 887.42' Rim to Invert: 7.46' Slack: 1.395" Sump: 1.875" Step Position:

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)**



**INSIDE WALL DIMENSIONS**



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 8"  
 Floor Height: 0"

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

Weight (Net): 2449 lb  
 Volume (Net): 0.63cu.yd

Job Name: 25-4733 - The Paddock  
 Job Location: Springfield, KY  
 Contractor: Core & Main LP (Lou)

Plant: 100

Tech: Jared - F

5/14/2026 1:08:56 PM

PC: T. Lewis



**Structure ID: CI-A2**

**P1 BX2436-08BVF**

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

- P3) 24" x 36" - CASTING HEIGHT - 6"
- P2) 24" x 36" - BOX RISER 8inW F/G - 24"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 60"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 2) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 30
- 1) Hole - 24

0 lb  
 2449 lb  
 6816 lb  
 442 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 9707 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).

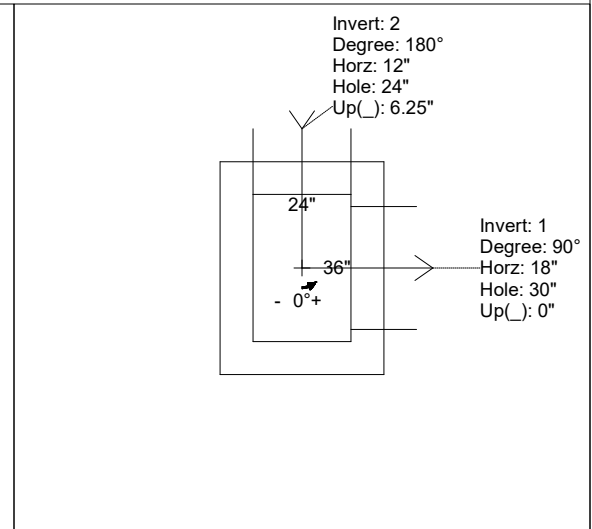
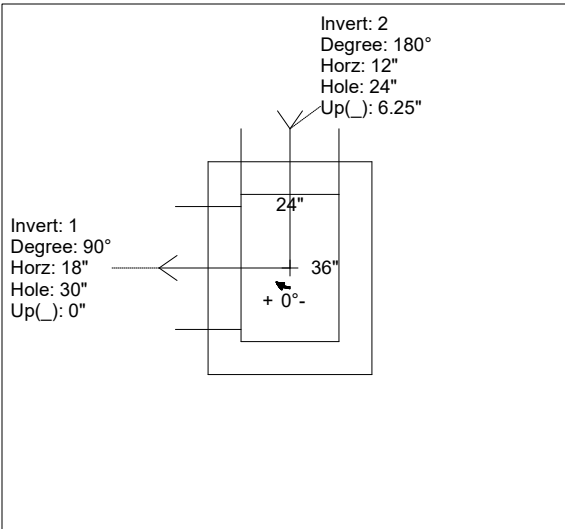
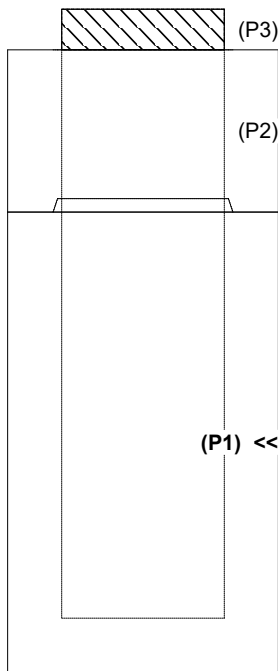
REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 887.42' Rim to Invert: 7.46' Slack: 1.395" Sump: 1.875" Step Position:

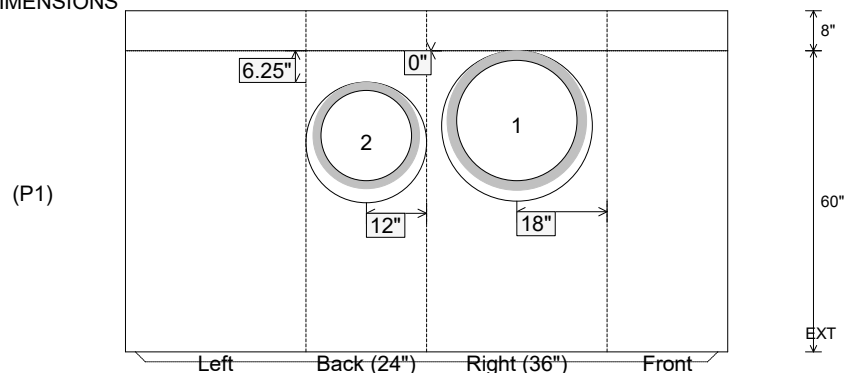
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	879.96'	90°	26"	24" HDPE	27.8"	Hole 30	30"	30"	0"	0"
Invert 2	880.46'	180°	20"	18" HDPE	21.2"	Hole 24	24"	24"	6.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
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: 8"  
 Floor Height: 8"

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

Weight (Net): 6816 lb  
 Volume (Net): 1.74cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:15:22 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

**Structure ID: T**

**P1 BX28640606-VH**

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

P2) 28" x 64" - CASTING HEIGHT - 6"	0 lb
P1) 28" x 64" - BOX BASE 6inW, 6inF, Variable Ht F/n - 56"	6253 lb
1) Conseal CS-102 1.00" (Single)	0 lb
2) CASTING - JBS 3080-V SET (F/G/H)	1000 lb
2) Hole - 38	0 lb
<b>Structure Total:</b>	<b>7253 lb</b>

**Structure Notes:**

- PER ASTM C913 SPECIFICATIONS.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- NO STEPS AND NO INVERT CHANNEL.
- CASTING BY I-CAST (2 ea. - JBS 3080-V SET(F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).

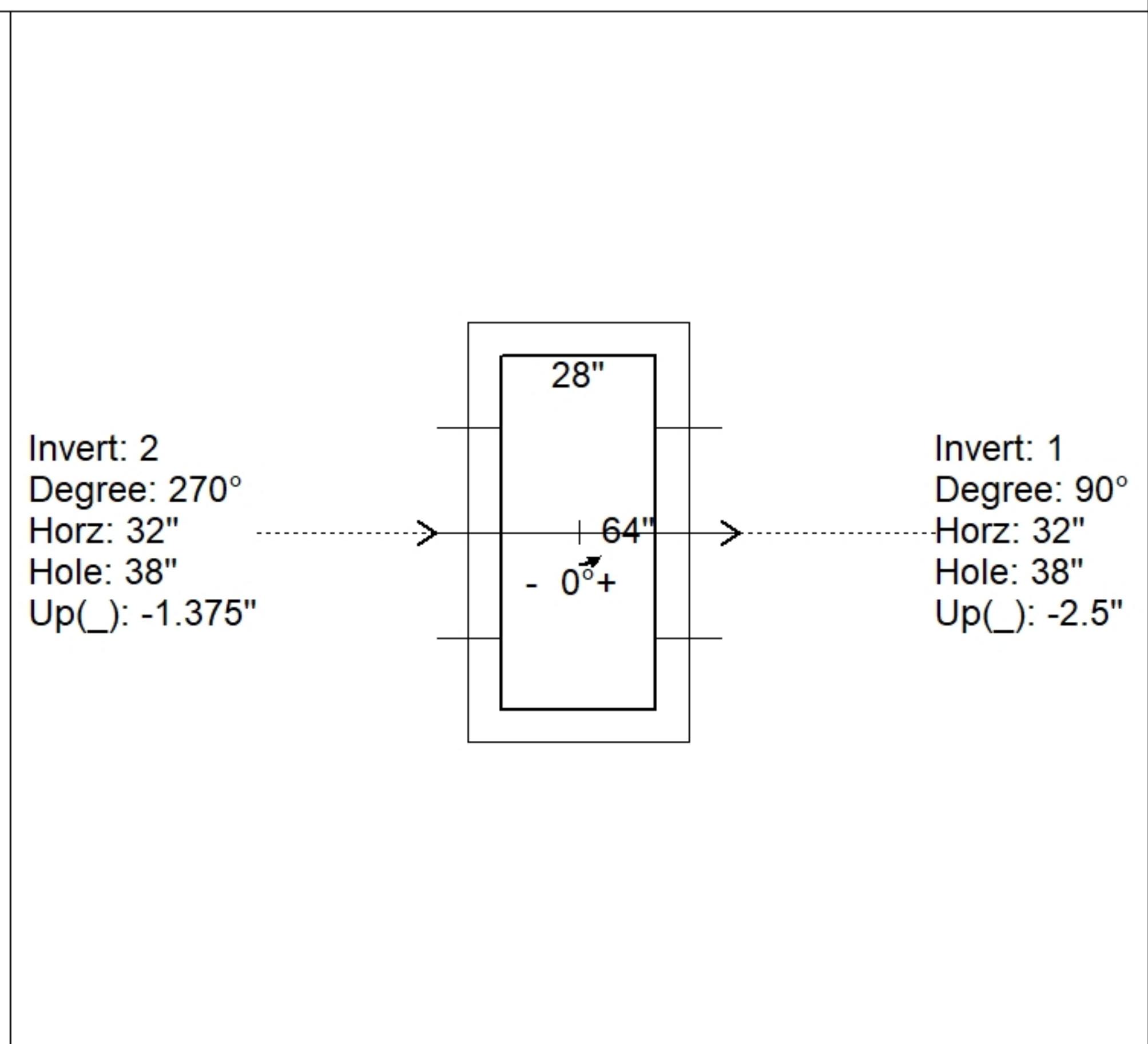
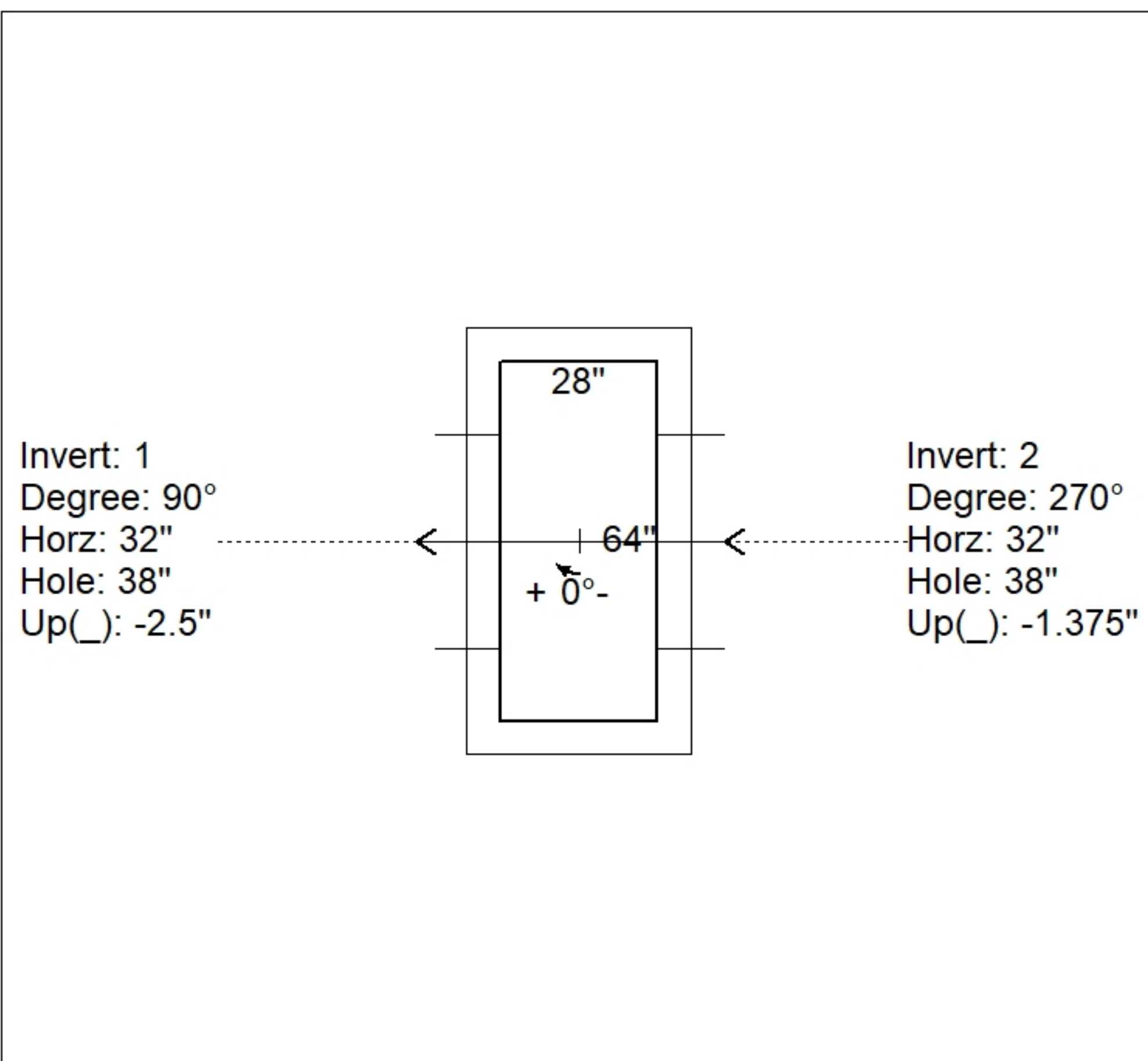
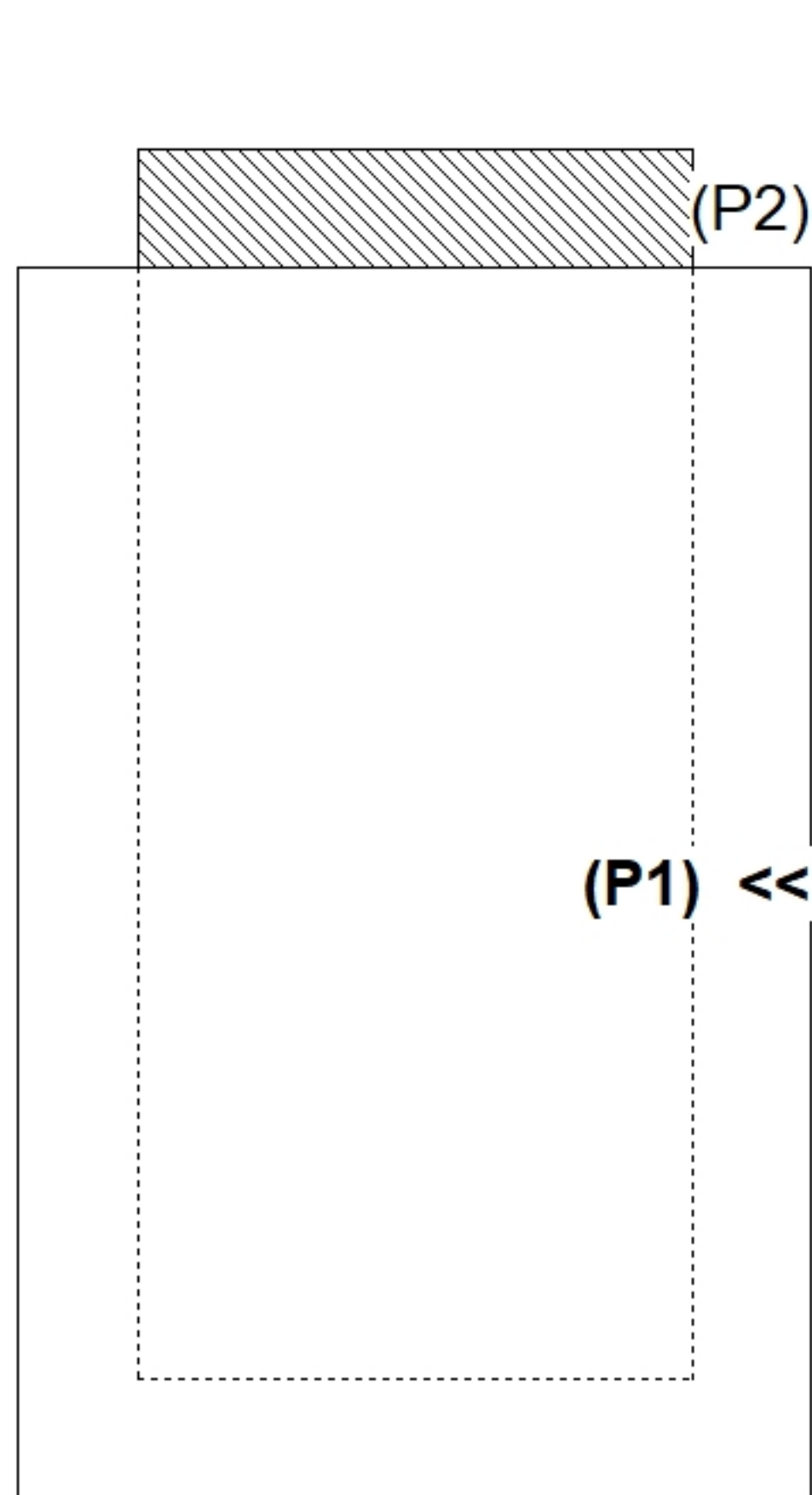
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 499.86' Rim to Invert: 5.22' Slack: 0.64" Sump: 0" Step Position:

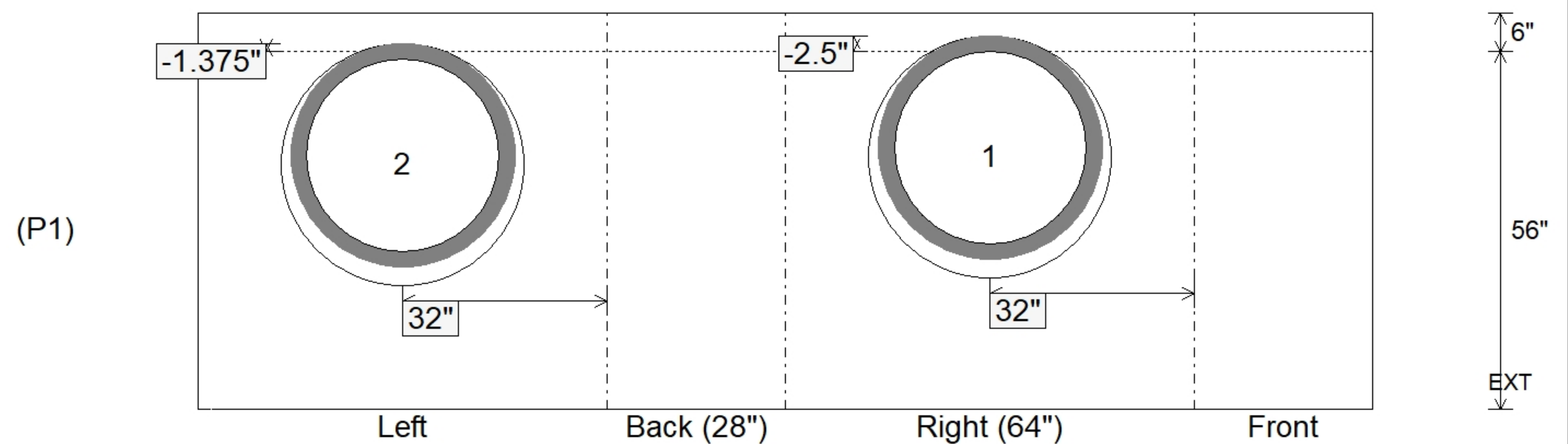
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	494.64'	90°	38"	30" HDPE	35.1"	Hole 38	38"	38"	-2.5"	0"
Invert 2	494.74'	270°	38"	30" HDPE	35.1"	Hole 38	38"	38"	-1.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

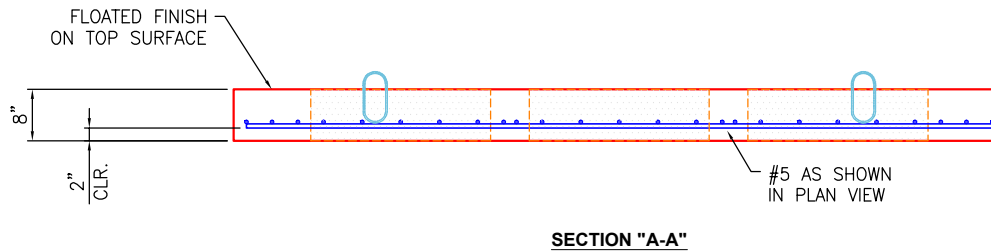
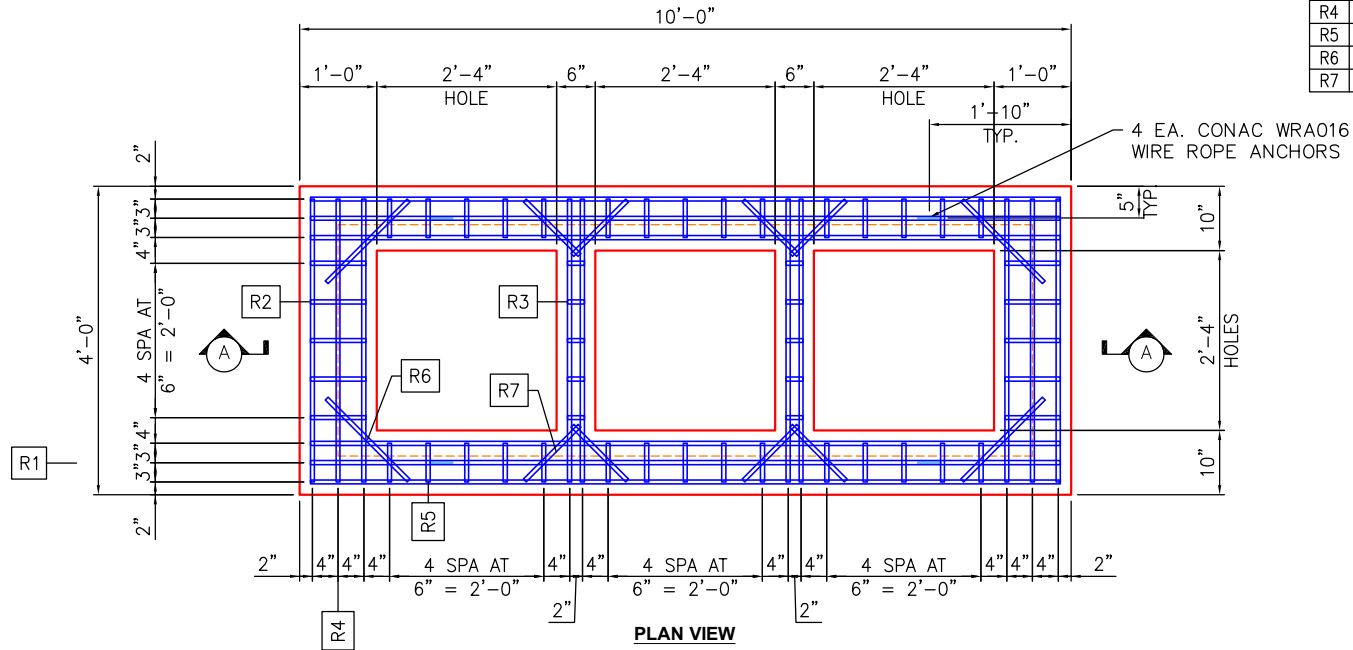


INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Int): 56"	Weight (Net): 6253 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 62"	Volume (Net): 1.6cu.yd

REINFORCEMENT CUT LIST				
BAR	QTY	MATERIAL	CUT LENGTH	SHAPE
R1	6	#5 BAR	9'-8"	STR
R2	10	#5 BAR	0'-9"	STR
R3	10	#5 BAR	0'-3"	STR
R4	10	#5 BAR	3'-8"	STR
R5	30	#5 BAR	0'-6"	STR
R6	4	#5 BAR	1'-6"	STR/DIAG.
R7	8	#5 BAR	1'-0"	STR/DIAG.



**NOTES:**

1. MANUFACTURED PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).  
#5 BARS AT 6" C/C EACH WAY UNLESS NOTED OTHERWISE.

**PRODUCTION WORK ORDER**

PRODUCT I.D.: BX036108-08LD06S

DESCRIPTION: 36in x 108in x 8in Flat Top w/(3)28x28 holes



**QUALITY CONTROL CHECKLIST**

- ALL DIMENSIONS CORRECT.
- LIFTERS INSTALLED.
- OPENING CENTERED.
- REINFORCING CORRECT.
- SURFACE QUALITY ACCEPTABLE.
- EDGES CHAMFERED.
- ALL PATCHWORK ACCEPTABLE.

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: BYARD CONSTRUCTION LLC

PLANT: BEAVER DAM, KY.

PROJECT: BLUE SKY SEC.1 (STORM)

WEIGHT: 2,293 LBS.

STRUCTURE: S

TOP SECTION JOINT: FLAT

ORDER NO: 25-2511B

BASE SECTION JOINT: FLAT

CHK: B. SMITH

DRAWING: J. HORSLEY

QC CHECK INITIALS:

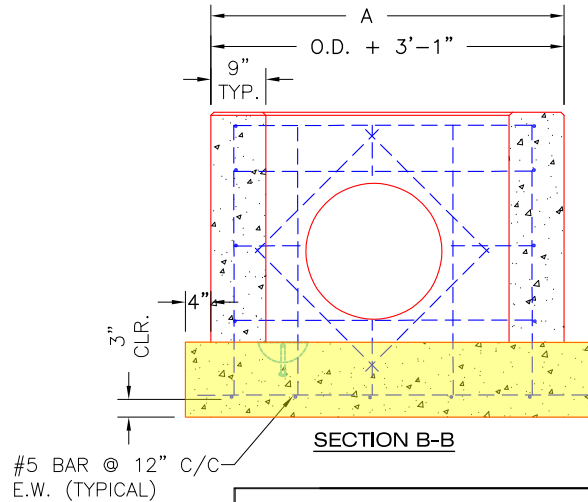
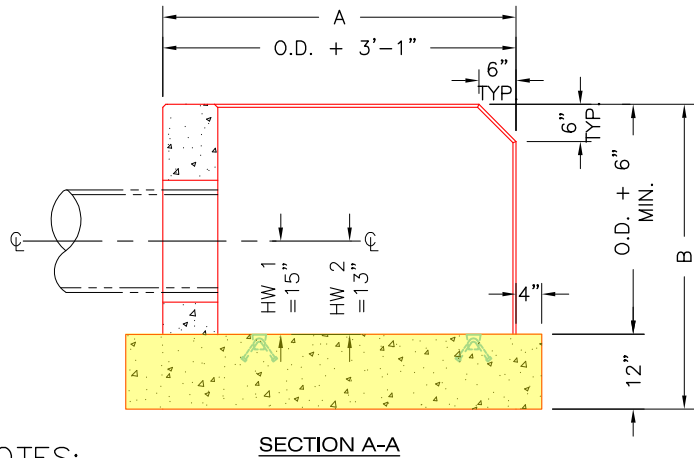
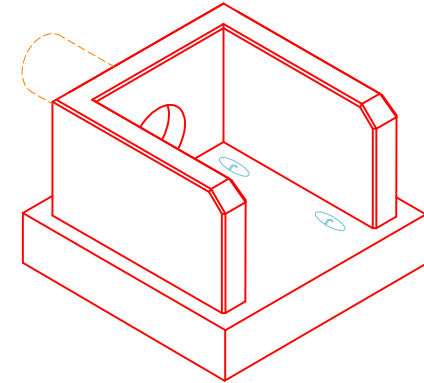
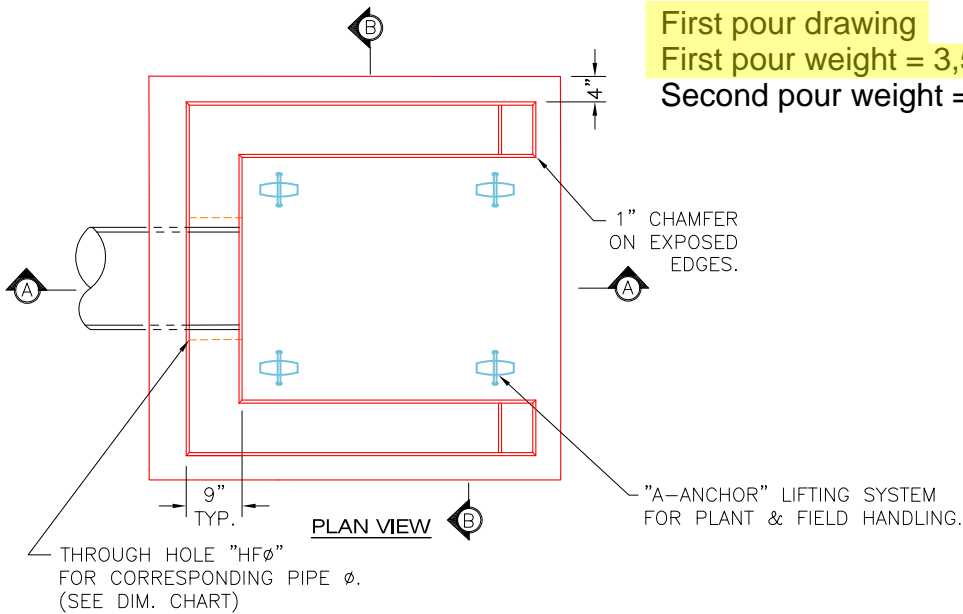
DATE: 11/17/25

SCALE: NTS

PG. 1 of 1

DIMENSIONS & WEIGHTS FOR PVC PIPE					
PIPE $\phi$	PVC O.D.	A	B	HF $\phi$	WEIGHT
12"	12.5"	50"	38"	16"	5,845 LBS.
15"	15.3"	52"	42"	18"	6,575 LBS.
18"	18.7"	56"	48"	22"	7,920 LBS.
24"	24.8"	62"	54"	28"	9,800 LBS.

First pour drawing  
 First pour weight = 3,504 LBS  
 Second pour weight = 2,341 LBS



~NOTES:

1. CONCRETE: 4,500 PSI @ 28 DAYS.
2. REINFORCING: #5 BAR @ 12" C/C E.W., GRADE 60, WITH 2" CONCRETE COVER MIN. (TYPICAL).
3. 1" CHAMFER REQUIRED ON EXPOSED EDGES.
4. CAGE REINFORCING BARS TO BE TACK WELDED OR TIED.
5. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH MSD APPROVED NON-SHRINK GROUT.
6. DRAWING TO BE USED IN CONJUNCTION WITH MSD STANDARD DRAWING DH-03-01.
7. PREFORMED HOLE SIZES ARE OUTSIDE DIAMETER OF PIPE + 3"-4".

**INFRASTRUCTURE PRECAST, INC.**

981 WEST 7TH ST., BEAVER DAM, KY. 42320  
 PHONE: (270) 363-2238, FAX: (270) 298-7424

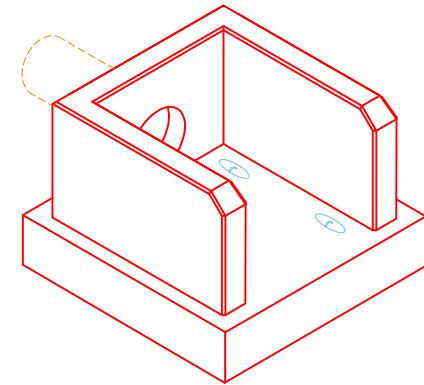
MSD 12"-24" "U" HEADWALL  
 (FOR CIRCULAR OR NON-CIRCULAR PIPE)

DRAWING NO.: ET-MSD-403	DATE: 07-31-24
REVIEWED BY: J.H. ROSS, PE	DRAWN BY: N. RICHARDS
WEB: WWW.ICASTINC.COM	SCALE: NTS



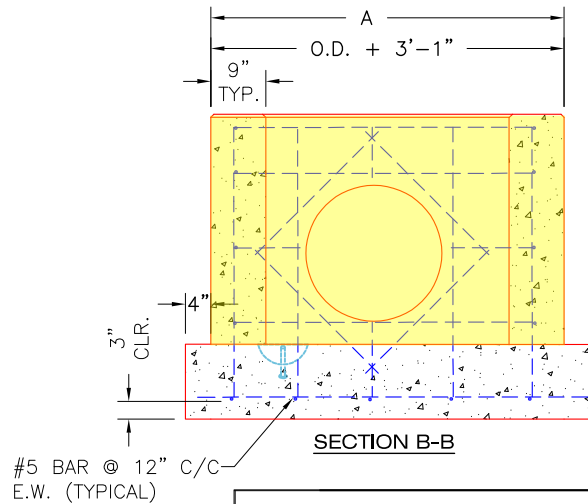
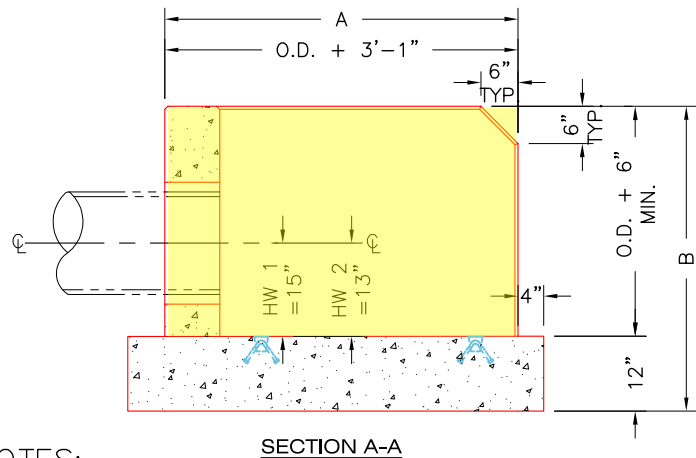
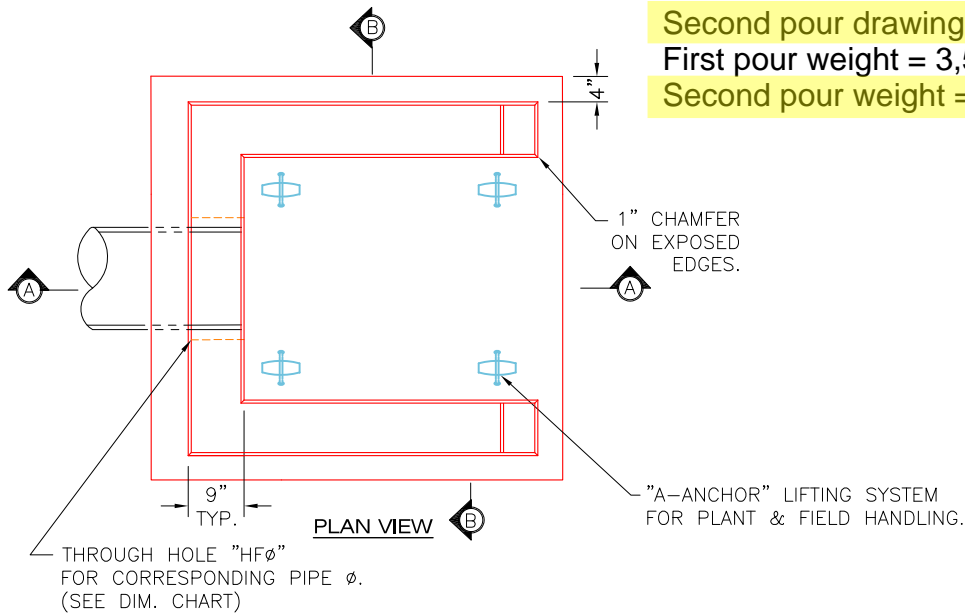


DIMENSIONS & WEIGHTS FOR PVC PIPE					
PIPE $\phi$	PVC O.D.	A	B	HF $\phi$	WEIGHT
12"	12.5"	50"	38"	16"	5,845 LBS.
15"	15.3"	52"	42"	18"	6,575 LBS.
18"	18.7"	56"	48"	22"	7,920 LBS.
24"	24.8"	62"	54"	28"	9,800 LBS.



ISOMETRIC VIEW

**Second pour drawing**  
 First pour weight = 3,504 LBS  
 Second pour weight = 2,341 LBS



~NOTES:

1. CONCRETE: 4,500 PSI @ 28 DAYS.
2. REINFORCING: #5 BAR @ 12" C/C E.W., GRADE 60, WITH 2" CONCRETE COVER MIN. (TYPICAL).
3. 1" CHAMFER REQUIRED ON EXPOSED EDGES.
4. CAGE REINFORCING BARS TO BE TACK WELDED OR TIED.
5. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH MSD APPROVED NON-SHRINK GROUT.
6. DRAWING TO BE USED IN CONJUNCTION WITH MSD STANDARD DRAWING DH-03-01.
7. PREFORMED HOLE SIZES ARE OUTSIDE DIAMETER OF PIPE + 3"-4".

**INFRASTRUCTURE PRECAST, INC.**

981 WEST 7TH ST., BEAVER DAM, KY. 42320  
 PHONE: (270) 363-2238, FAX: (270) 298-7424

MSD 12"-24" "U" HEADWALL  
 (FOR CIRCULAR OR NON-CIRCULAR PIPE)

DRAWING NO.: ET-MSD-403 DATE: 07-31-24  
 REVIEWED BY: J.H. ROSS, PE DRAWN BY: N. RICHARDS  
 WEB: WWW.ICASTINC.COM SCALE: NTS



Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:23:50 AM

Tech: J. Coppage  
 PC: J. Jarvis



**Structure ID: 405+52 RT DBI-16S INLET 49**

**P1 BX2460-08BAVF**

**BOX BASE 8inW, 8inF, Variable Ht**

- P2) 24" x 60" - P.I.P. - BY OTHERS - 8"
- P1) 24" x 60" - BOX BASE 8inW, 8inF, Variable Ht - 20"
- 1) SECONDARY POUR - WALLS
- 2) Hole - 18
- 2) Hole - 4

0 lb  
 4297 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 4297 lb

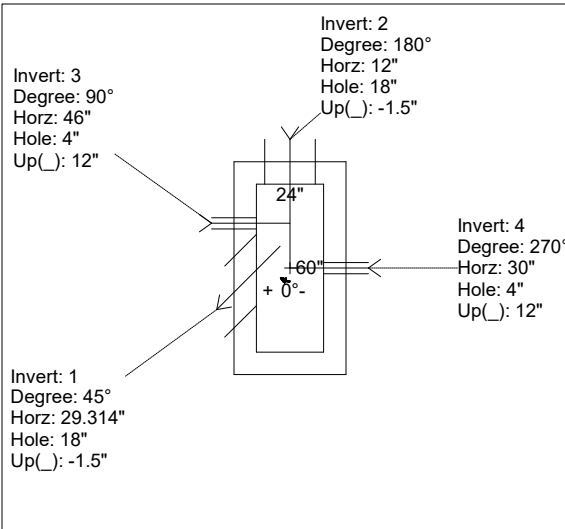
**Structure Notes:**  
 -KYTC STATE PROJECT 251007  
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
 -DBI 16S FRAME & GRATE BY OTHERS.  
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).  
 -KYTC CERTIFICATIONS REQUIRED.

Rim: 590.02' Rim to Invert: 2.35' Slack: 0.2' Sump: 0' Step Position:

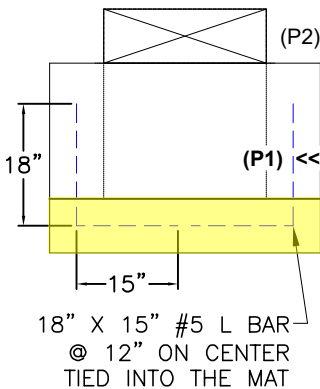
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	587.67'	45°	29.314"	15" CMP	16"	Hole 18	18"	25.456"	-1.5"	8"
Invert 2	587.67'	180°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 3	588.67'	90°	54"	4" WEEP HOLE	4"	Hole 4	4"	4"	12"	16"
Invert 4	588.67'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	12"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

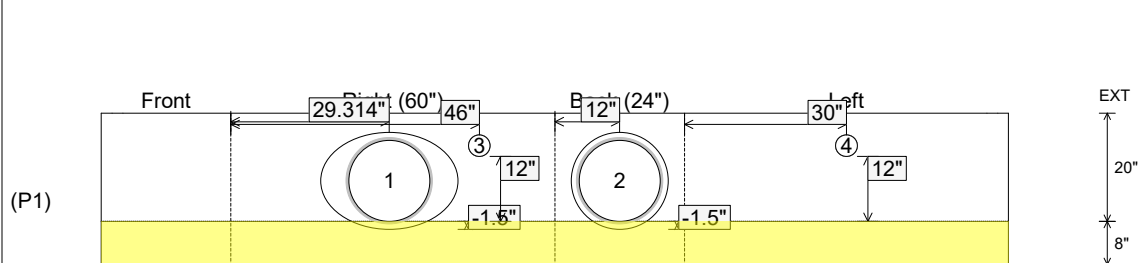
UPSIDE-DOWN VIEW (int. dimensions)



**FIRST POUR DRAWING**  
**WEIGHTS:**  
**FIRST POUR: 2,041 LBS**  
**SECOND POUR: 2,256 LBS**  
**TOTAL: 4,297 LBS**



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

Height (Int): 20"  
 Height (Ext): 28"

Weight (Net): 4297 lb  
 Volume (Net): 1.1cu.yd

Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:23:50 AM

Tech: J. Coppage  
 PC: J. Jarvis



**Structure ID: 405+52 RT DBI-16S INLET 49**

**P1 BX2460-08BAVF**

**BOX BASE 8inW, 8inF, Variable Ht**

- P2) 24" x 60" - P.I.P. - BY OTHERS - 8"
- P1) 24" x 60" - BOX BASE 8inW, 8inF, Variable Ht - 20"
- 1) SECONDARY POUR - WALLS
- 2) Hole - 18
- 2) Hole - 4

0 lb  
 4297 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 4297 lb

Structure Total: 4297 lb

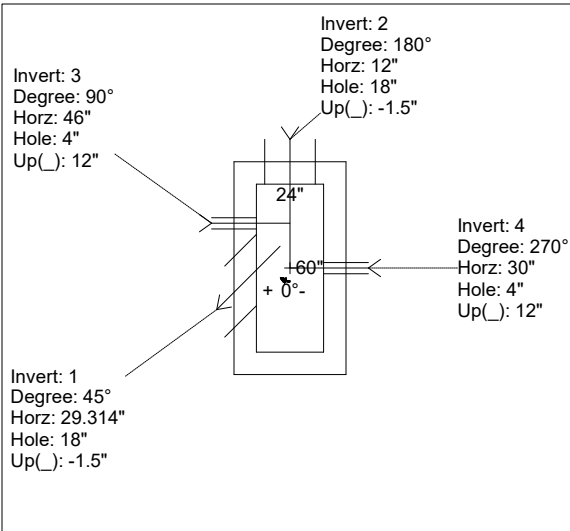
**Structure Notes:**  
 -KYTC STATE PROJECT 251007  
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
 -DBI 16S FRAME & GRATE BY OTHERS.  
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).  
 -KYTC CERTIFICATIONS REQUIRED.

Rim: 590.02' Rim to Invert: 2.35' Slack: 0.2' Sump: 0' Step Position:

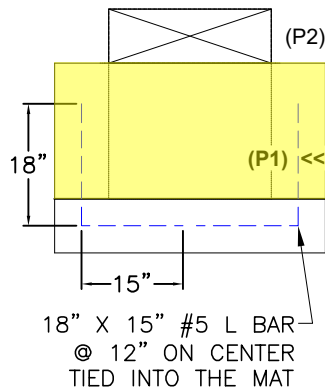
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	587.67'	45°	29.314"	15" CMP	16"	Hole 18	18"	25.456"	-1.5"	8"
Invert 2	587.67'	180°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 3	588.67'	90°	54"	4" WEEP HOLE	4"	Hole 4	4"	4"	12"	16"
Invert 4	588.67'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	12"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

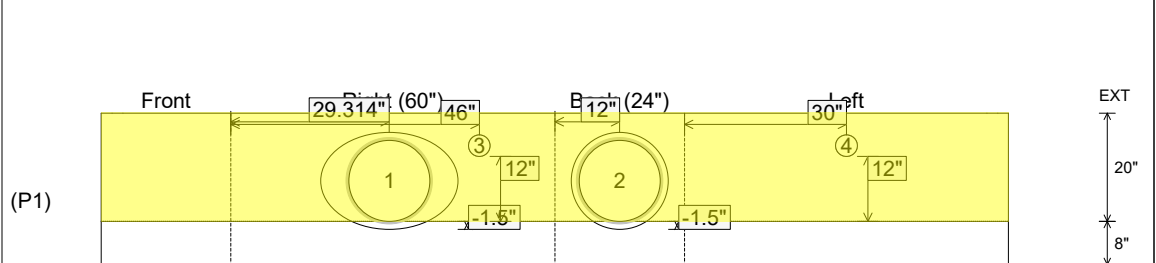
UPSIDE-DOWN VIEW (int. dimensions)



**SECOND POUR DRAWING**  
**WEIGHTS:**  
**FIRST POUR: 2,041 LBS**  
**SECOND POUR: 2,256 LBS**  
**TOTAL: 4,297 LBS**



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

Height (Int): 20"  
 Height (Ext): 28"

Weight (Net): 4297 lb  
 Volume (Net): 1.1cu.yd

Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:16:09 AM

Tech: J. Coppage  
 PC: J. Jarvis

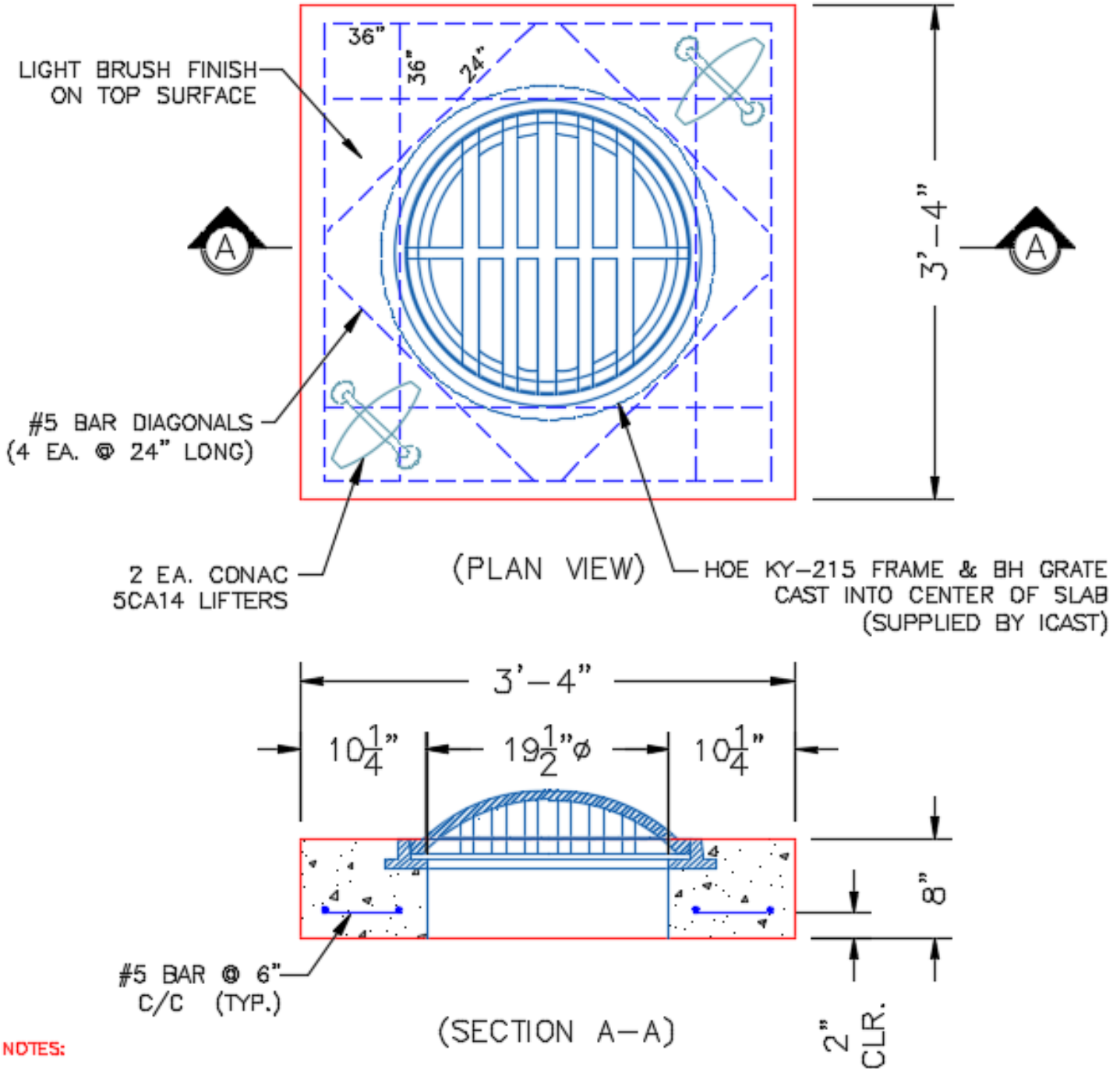


**Structure ID: 113+44 RT DBI-15 INLET 2**

**P2 BX024024-08LD08-14**

**CB FLAT TOP 8"W (HOE KY-215 F&G)**

**\*KYTC STATE PROJECT\***



**NOTES:**

- CONCRETE: 4500 PSI @ 28 DAYS.
- MANUFACTURED TO KYTC & ASTM C-913 SPECIFICATIONS.
- REINFORCING: #5 BAR AS SHOWN—GRADE 60. (2" CLR.)

**#5 BAR CUT LIST**  
 8 EA. @ 36" LG.  
 4 EA. @ 24" LG.

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 770 lb  
 Volume (Net): 0.2cu.yd

Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:16:09 AM

Tech: J. Coppage  
 PC: J. Jarvis



**Structure ID: 304+00 LT JB-A INLET 79**

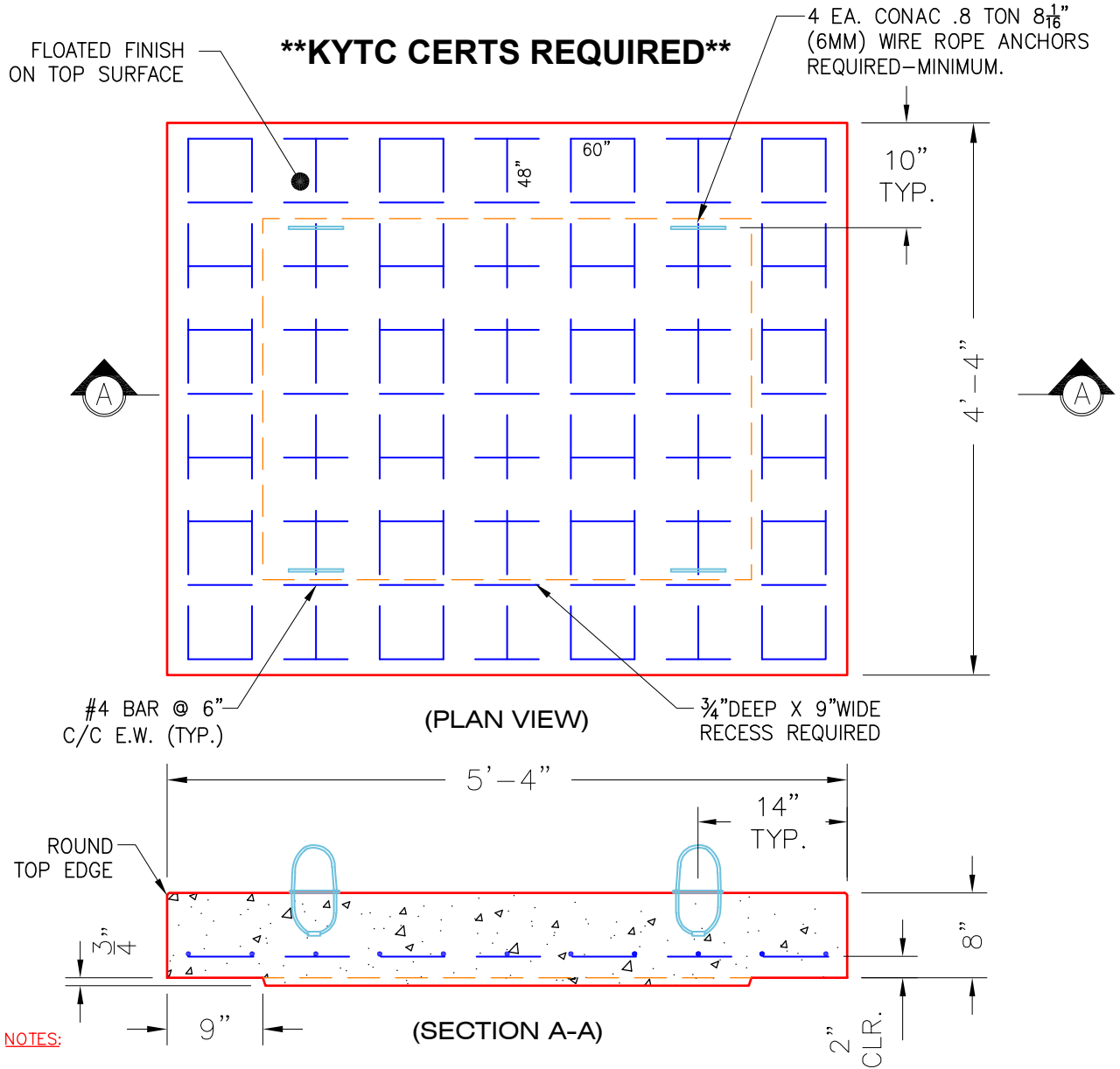
**P2 BXLD2436FL8-S**

**BX FLAT LID 8inW SOLID**

- P2) 24" x 36" - BX FLAT LID 8inW SOLID - 8"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 27"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 26
- 1) Hole - 18

1396 lb  
 3268 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 4664 lb

**Structure Notes:**  
 -KYTC STATE PROJECT 251007  
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).  
 -KYTC CERTIFICATIONS REQUIRED.



**#4 BAR CUT LIST**  
 9 EA. @ 60"  
 11 EA. @ 48"

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 1396 lb Volume (Net): 0.36cu.yd
----------------------------------	--------------------------------	--------------------	------------------	--

Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:23:51 AM

Tech: J. Coppage  
 PC: J. Jarvis



**Structure ID: 304+00 LT DBI-13S INLET 58**

**P1 BX1660-08BAVF**

**BOX BASE 8inW, 8inF, Variable Ht**

- P2) 16" x 60" - P.I.P. - BY OTHERS - 8"
- P1) 16" x 60" - BOX BASE 8inW, 8inF, Variable Ht - 21"
- 1) SECONDARY POUR - WALLS
- 1) Hole - 18
- 2) Hole - 4

0 lb  
 4039 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 4039 lb

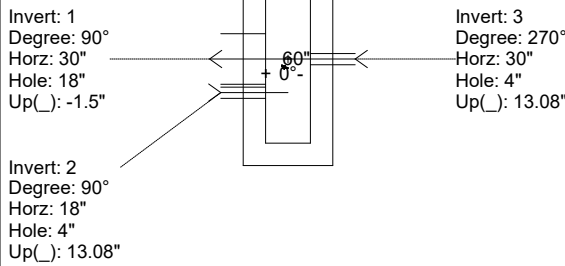
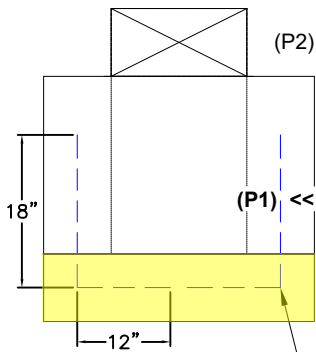
**Structure Notes:**  
 -KYTC STATE PROJECT 251007  
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
 -DBI 13S FRAME & GRATE BY OTHERS.  
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).  
 -#5 BAR STUBBED OUT OF TOP OF BOX 24" AT 12" C/C FOR FIELD POURED CURB & GUTTER.  
 -KYTC CERTIFICATIONS REQUIRED.

Rim: 587.54' Rim to Invert: 2.44' Slack: 0.28" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	585.1'	90°	38"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 2	586.19'	90°	26"	4" WEEP HOLE	4"	Hole 4	4"	4"	13.08"	-12"
Invert 3	586.19'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	13.08"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

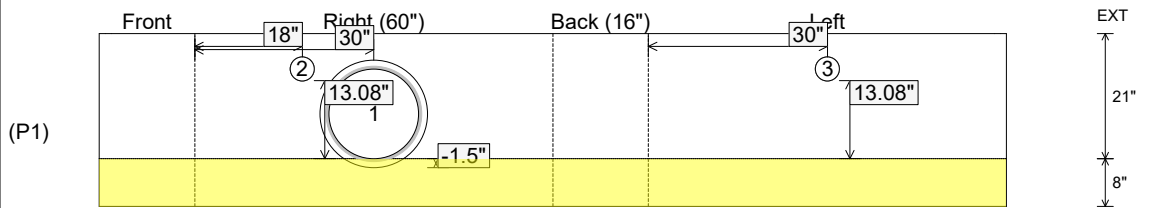
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



**FIRST POUR DRAWING WEIGHTS:**  
**FIRST POUR: 1,663 LBS**  
**SECOND POUR: 2,406 LBS**  
**TOTAL: 4,039 LBS**

INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

Height (Int): 21"  
 Height (Ext): 29"

Weight (Net): 4039 lb  
 Volume (Net): 1.03cu.yd

Job Name: 25-1684P10 KYTC Jefferson Co. Call 200  
 Job Location: I-264 Louisville, Ky.  
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.  
 5/20/2026 9:23:51 AM

Tech: J. Coppage  
 PC: J. Jarvis



**Structure ID: 304+00 LT DBI-13S INLET 58**

**P1 BX1660-08BAVF**

**BOX BASE 8inW, 8inF, Variable Ht**

- P2) 16" x 60" - P.I.P. - BY OTHERS - 8"
- P1) 16" x 60" - BOX BASE 8inW, 8inF, Variable Ht - 21"
- 1) SECONDARY POUR - WALLS
- 1) Hole - 18
- 2) Hole - 4

0 lb  
 4039 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 4039 lb

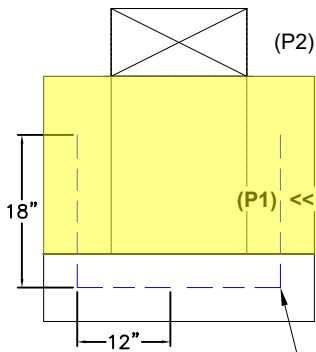
**Structure Notes:**  
 -KYTC STATE PROJECT 251007  
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
 -DBI 13S FRAME & GRATE BY OTHERS.  
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).  
 -#5 BAR STUBBED OUT OF TOP OF BOX 24" AT 12" C/C FOR FIELD POURED CURB & GUTTER.  
 -KYTC CERTIFICATIONS REQUIRED.

Rim: 587.54' Rim to Invert: 2.44' Slack: 0.28" Sump: 0" Step Position:

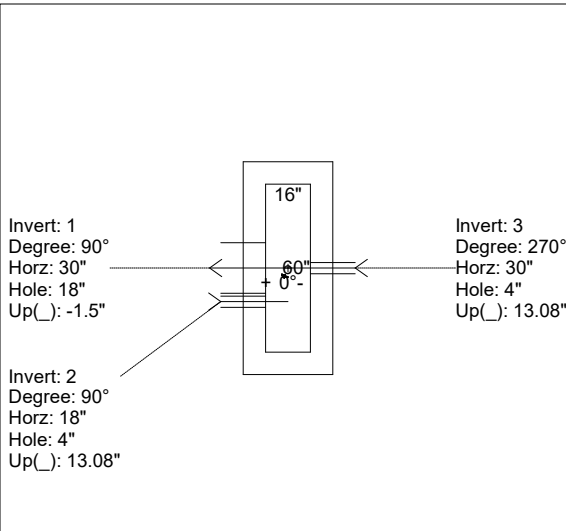
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	585.1'	90°	38"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 2	586.19'	90°	26"	4" WEEP HOLE	4"	Hole 4	4"	4"	13.08"	-12"
Invert 3	586.19'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	13.08"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

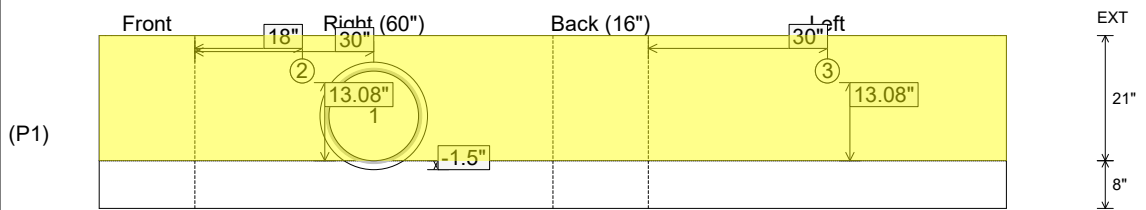


18" X 12" #5 L BAR  
 @ 12" ON CENTER  
 TIED INTO THE MAT



**SECOND POUR DRAWING**  
**WEIGHTS:**  
**FIRST POUR: 1,663 LBS**  
**SECOND POUR: 2,406 LBS**  
**TOTAL: 4,039 LBS**

INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

Height (Int): 21"  
 Height (Ext): 29"

Weight (Net): 4039 lb  
 Volume (Net): 1.03cu.yd

Job Name: 26-1699 - ECTC Culinary Kitchen  
 Job Location: Elizabethtown, KY  
 Contractor: Advanced Mechanical LLC

Plant: 100

5/20/2026 11:09:08 AM

Tech: Jared - A

PC: M. Sullivan



**Structure ID: 1 GT2500**

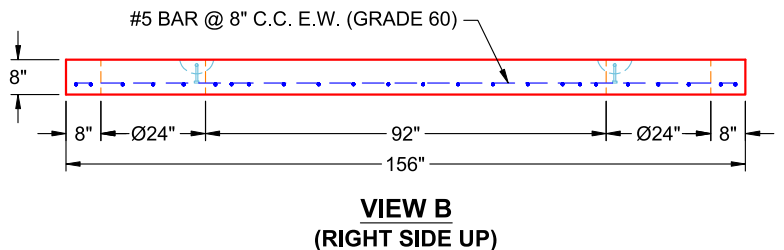
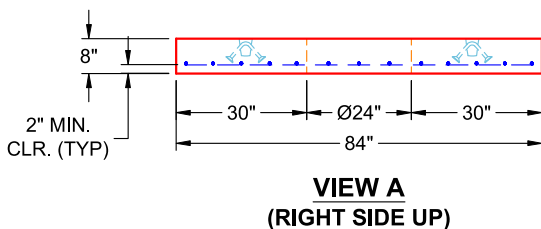
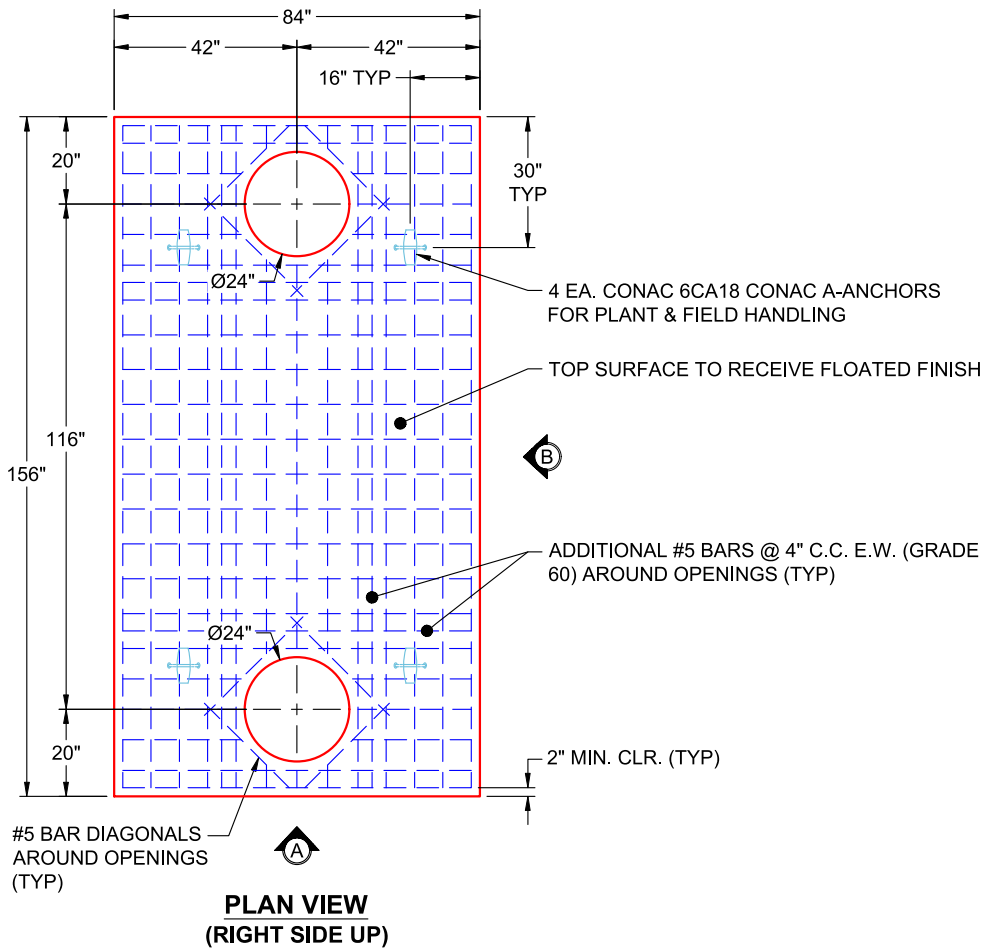
**P2 BX072144-08LD06S**

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

- P3) 24" - CASTING HEIGHT - 7"
- P2) 72" x 144" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"
- P1) 72" x 144" - BOX BASE 6inW, 6inF, Variable Ht F/n - 72"
- 1) SECONDARY POUR - Base Walls
- 1) SECONDARY POUR - 6" Thick Baffle Wall
- 2) CASTING - HOE MC-375 F/C Grease
- 1) 72" x 144" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 16M NYLO

0 lb  
 8190 lb  
 22925 lb  
 0 lb  
 2481 lb  
 542 lb  
 0 lb  
 0 lb  
 16 lb  
 -----  
 Structure Total: 34154 lb

- Structure Notes:
1. PER ASTM C-890-13 SPECIFICATIONS
  2. CONCRETE: 4,500 PSI AT 28 DAYS
  3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
  4. 2 EA. HOE MC-375 FRAMES & COVERS "GREASE" SUPPLIED BY ICAST
  5. LIFTERS: 4 EA. 6CA18 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): 8190 lb  
 Volume (Net): 2.09cu.yd

Job Name: 26-1699 - ECTC Culinary Kitchen  
 Job Location: Elizabethtown, KY  
 Contractor: Advanced Mechanical LLC

Plant: 100

5/20/2026 11:09:08 AM

Tech: Jared - A

PC: M. Sullivan



**Structure ID: 1 GT2500**

**P2 BX072144-08LD06S**

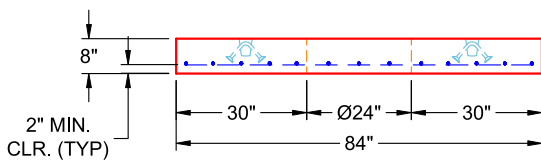
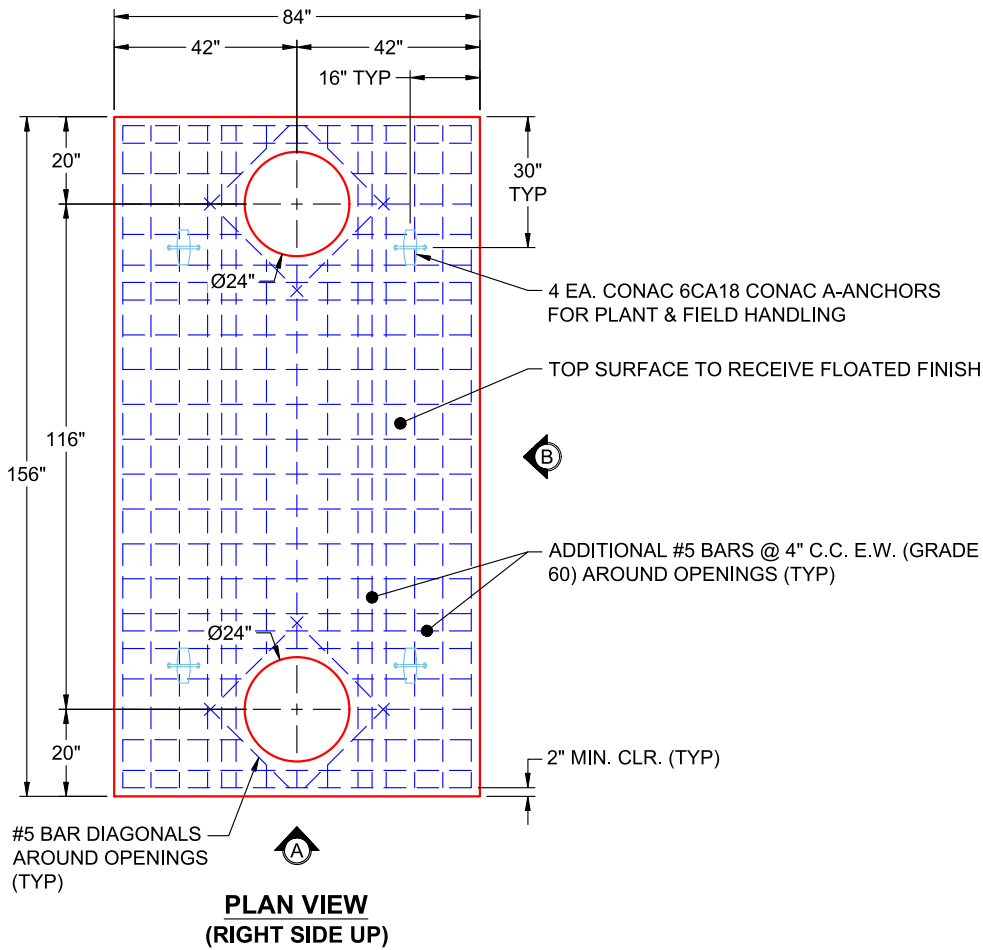
**CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F**

- P3) 24" - CASTING HEIGHT - 7"
- P2) 72" x 144" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"
- P1) 72" x 144" - BOX BASE 6inW, 6inF, Variable Ht F/n - 72"
- 1) SECONDARY POUR - Base Walls
- 1) SECONDARY POUR - 6" Thick Baffle Wall
- 2) CASTING - HOE MC-375 F/C Grease
- 1) 72" x 144" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 16M NYLO

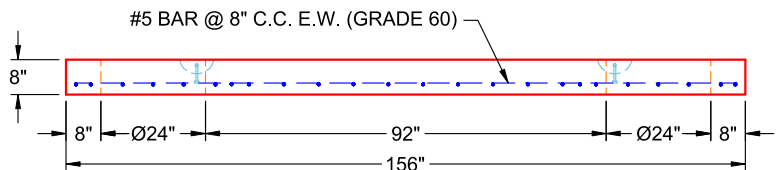
0 lb  
 8190 lb  
 22925 lb  
 0 lb  
 2481 lb  
 542 lb  
 0 lb  
 0 lb  
 16 lb  
 -----  
 Structure Total: 34154 lb

Structure Notes:

1. PER ASTM C-890-13 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. 2 EA. HOE MC-375 FRAMES & COVERS "GREASE" SUPPLIED BY ICAST
5. LIFTERS: 4 EA. 6CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
6. TOP SURFACE TO RECEIVE FLOATED FINISH



**VIEW A  
(RIGHT SIDE UP)**



**VIEW B  
(RIGHT SIDE UP)**

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 8190 lb  
 Volume (Net): 2.09cu.yd

Job Name: 26-1746 - Cumberland County Top Slab  
 Job Location: Burkesville, KY  
 Contractor: Core & Main LP

Plant: 100

4/22/2026 12:16:55 PM

Tech: Jared - A

PC: Trevor Lewis



**Structure ID: QL1**

**P1 CTS**

**71IN X 56IN OD FLAT TOP SPEC. (w/ 30IN X 30IN HATCH) F/F**

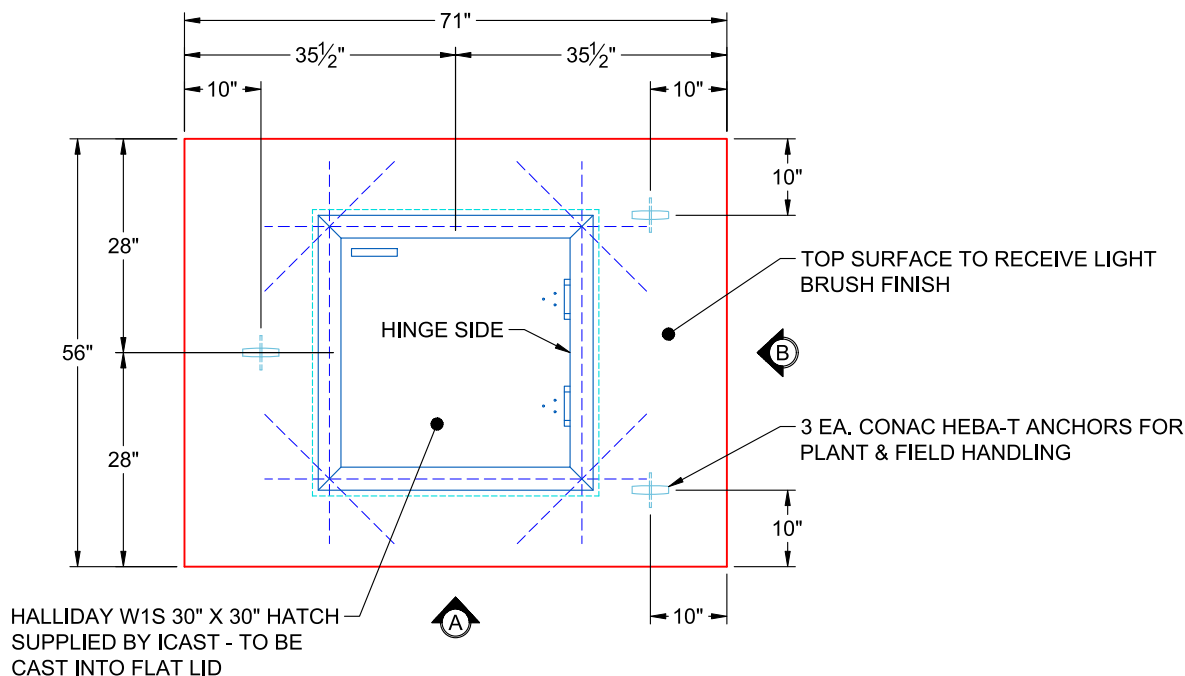
- P2) 30" x 30" - HATCH (CAST FLUSH) - 3"
- P1) 71" x 56" - 71IN X 56IN OD FLAT TOP SPEC. (w/ 30IN X 30IN HATCH) F/F - 4"
- 1) HATCH (Alum.) - HALLIDAY W1S 30"x30"
- 1) This Structure Includes a Cast-in Item - Halliday W1S 30" x 30" Hatch (Supplied by iCast)
- 1) 71" x 56" - Conseal CS-102 1.00"

0 lb  
 1094 lb  
 62 lb  
 0 lb  
 0 lb

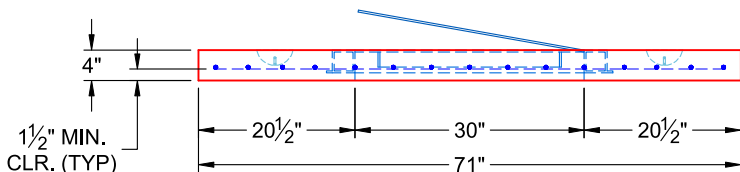
Structure Total: 1156 lb

Structure Notes:

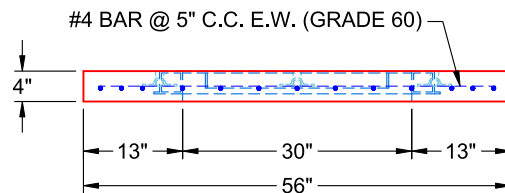
1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 5" C.C. E.W. (GRADE 60) - 1.5" MIN. REBAR CLEARANCE (TYP)
4. HALLIDAY W1S 30" X 30" HATCH SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID
5. LIFTERS: 3 EA. CONAC HEBA-T ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
6. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH



**PLAN VIEW  
(RIGHT SIDE UP)**



**VIEW A  
(RIGHT SIDE UP)**



**VIEW B  
(RIGHT SIDE UP)**

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Flat

Wall Thickness: 0"

Height (Ext): 4"

Weight (Net): 1094 lb  
 Volume (Net): 0.28cu.yd

**Job Number:**

26-1746

**Job Name:**

Cumberland County Top Slab

**Structure:**

QL1

**Note:**

Halliday W1S 30" x 30" Hatch  
Supplied By iCast To Be Cast Into  
Flat Lid