

Job Name: 25-4279 - KYTC Christian Co (251031)  
 Job Location: Hopkinsville, KY  
 Contractor: CITCO Water

Plant: 100  
 5/8/2026 11:22:42 AM

Tech: Jared- F  
 PC: C. Goff



**Structure ID: 117+51 ARV**

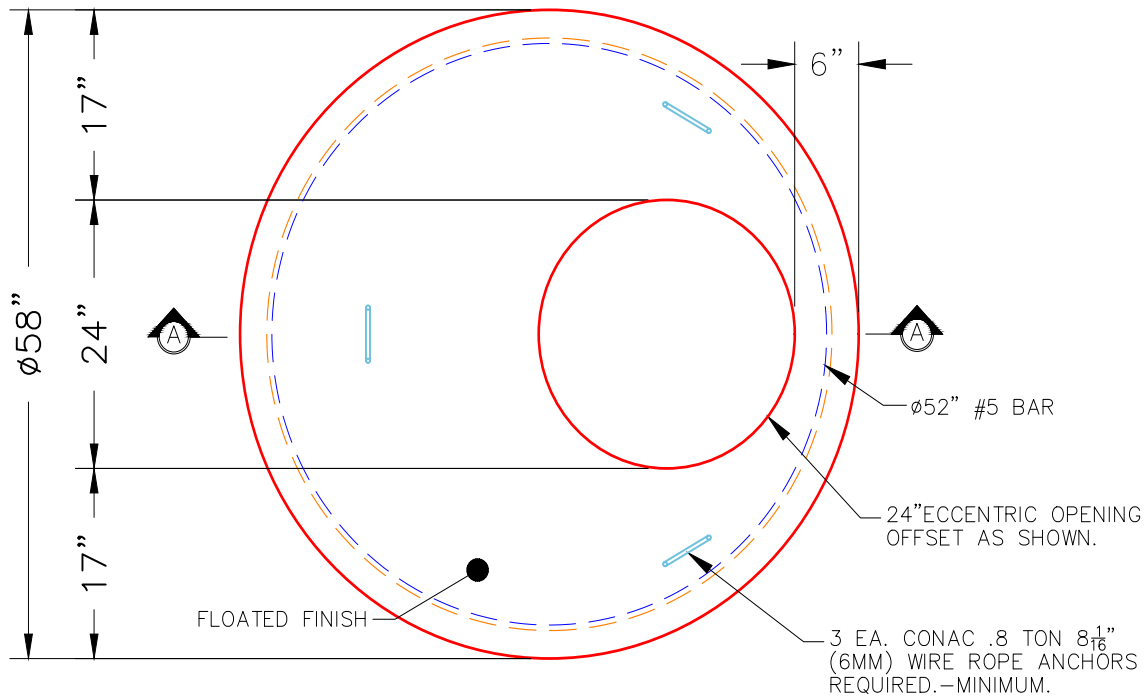
**P3 MH048LD12ECC**

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

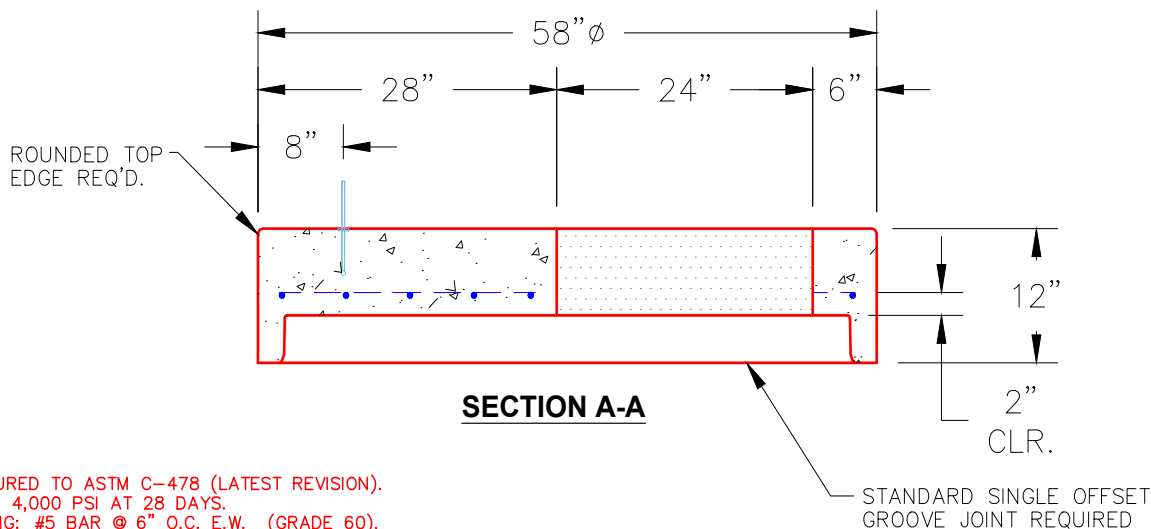
- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
- P2) 48" - MH DH RISER Custom Ht T/F - 34"
- P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) DOGHOUSE - 8"x8"

0 lb  
 1561 lb  
 2300 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 3861 lb

**Structure Notes:**  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. NO STEPS.  
 4. CASTING SUPPLIED BY OTHERS.  
  
 REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB = H20 LOADING.  
 - RISER/WALLS (As .12)



**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: 26-1219 - 1662 Pinkerton Road  
 Job Location: Brentwood, TN  
 Contractor: Hayes Pipe Supply

Plant: 100  
 5/11/2026 5:32:37 PM

Tech: Jared - F  
 PC: T. Ryan



**Structure ID: 4-8 SS-MH**

**P2 MH048CCN36CDARED**

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

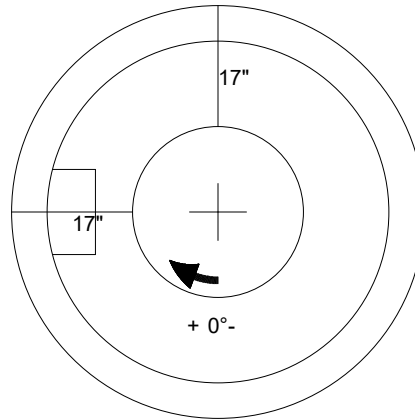
- P4) 24" - CASTING HEIGHT - 7" 0 lb
- P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 4" 270 lb
- P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36" 2251 lb
- P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 3749 lb
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 0 lb
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
- 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1440 lb
- 1) 48" - Conseal CS-102 1.00" (Double) 0 lb
- 2) PSX - 12-08 NYLO 16 lb
- 6) MH Step ML-10-TDS-NCR - 10" 0 lb

Structure Total: 7726 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING SUPPLIED BY OTHERS.

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



48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36" - (P2)



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 36"

Weight (Net): 2251 lb  
 Volume (Net): 0.57cu.yd

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

Plant: Beaver Dam

4/28/2026 8:56:35 AM

Tech: J. Coppage

PC: A. Chambers



**Structure ID: SSMH-269**

**P3 MH048CN30-S**

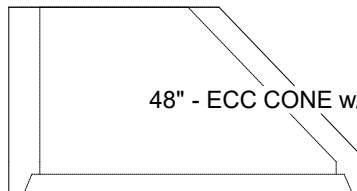
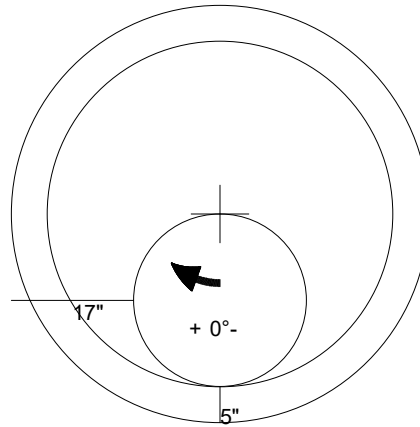
**ECC CONE w/ 24" HOLE NO STEP**

- P5) 24" - CASTING HEIGHT - 7"
- P4) 24" - GRADE RING - 4"
- P3) 48" - ECC CONE w/ 24" HOLE NO STEP - 30"
- P2) 48" - MH RISER NO STEPS - 36"
- P1) 48" - MH BASE - 18"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) A-Lok - 0285

- Structure Notes:**
1. JR HOE MC-375 SELF SEALING SAN BY ICAST
  2. PER ASTM C478 SPECIFICATIONS.
  3. CONCRETE = 4,000 PSI AT 28 DAYS.
  4. REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
  5. \*\*NO STEPS\*\*

0 lb  
 270 lb  
 2050 lb  
 2515 lb  
 2556 lb  
 0 lb  
 0 lb  
 1440 lb  
 0 lb  
 1 lb

Structure Total: 8832 lb



48" - ECC CONE w/ 24" HOLE NO STEP - 30" - (P3)

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 30"

Weight (Net): 2050 lb  
 Volume (Net): 0.41cu.yd

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

Plant: Beaver Dam

4/28/2026 8:56:35 AM

Tech: J. Coppage

PC: A. Chambers



**Structure ID: SSMH-276**

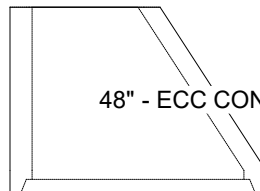
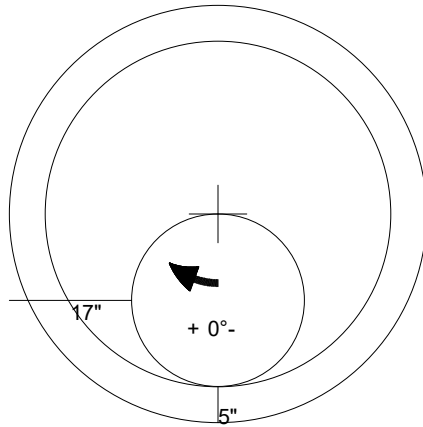
**P3 MH048CN42-S**

**ECC CONE w/ 24" HOLE NO STEP**

- P5) 24" - CASTING HEIGHT - 7"
- P4) 24" - GRADE RING - 6"
- P3) 48" - ECC CONE w/ 24" HOLE NO STEP - 42"
- P2) 48" - MH RISER NO STEPS - 72"
- P1) 48" - MH BASE w/FLANGE (08F/08EF) - 36"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 0285

- Structure Notes:**
1. JR HOE MC-375 SELF SEALING SAN BY ICAST
  2. PER ASTM C478 SPECIFICATIONS.
  3. CONCRETE = 4,000 PSI AT 28 DAYS.
  4. REINFORCING PER ASTM A615 (GRADE 60).
    - CONE (As .12)
    - RISER/WALLS (As .12)
    - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
  5. **\*\*NO STEPS\*\***

Structure Total: 15216 lb



48" - ECC CONE w/ 24" HOLE NO STEP - 42" - (P3)

Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 42"

Weight (Net): 3000 lb  
 Volume (Net): 0.5cu.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 1:22:33 PM

Tech: Jared - F  
 PC: J. Jarvis



**Structure ID: S213**

**P2 MH060RS36S**

**MH RISER T/G**

- P5) 24" - CASTING HEIGHT - 7"
- P4) 24" - GRADE RING F/F - 4"
- P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"
- P2) 60" - MH RISER T/G - 36"
- P1) 60" - MH BASE Custom Ht T/n - 43"
- 1) CASTING - HOE MC-420 F/C Storm
- 2) 60" - Conseal CS-102 1.00"
- 2) Hole - 30
- 1) Hole - 16
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb  
 270 lb  
 2869 lb  
 3656 lb  
 6482 lb  
 340 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 13617 lb

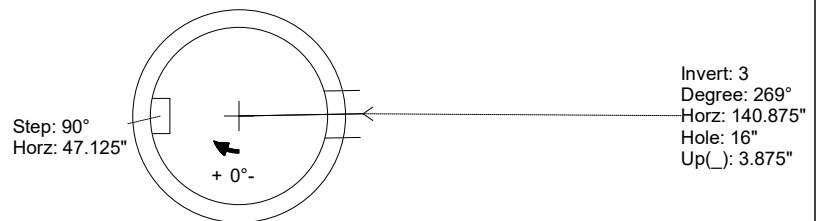
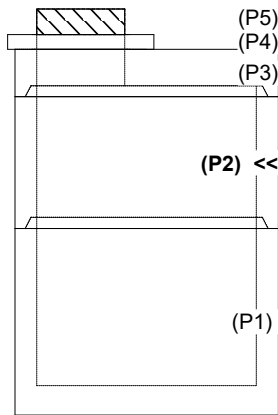
Structure Notes:  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. NO INVERT CHANNEL.  
 4. CASTING BY ICAST (HOE MC-420 F/C STORM)

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.

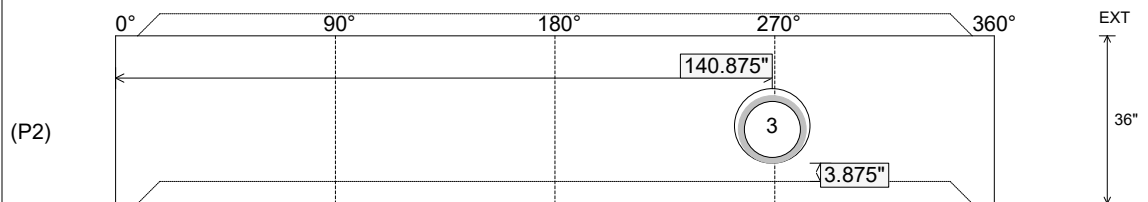
Rim: 454.46' Rim to Invert: 8.66' Slack: 0.92" Sump: 0" Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1										
Invert 2										
Invert 3	450.21'	269°	169"	12" HDPE	14.5"	Hole 16	16"	16.196"	3.875"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



**INSIDE WALL DIMENSIONS**



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 6" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 3656 lb Volume (Net): 0.93cu.yd
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**Structure ID: 2301539**

**P1 MH060BAVF**

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

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"	<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;">405 lb</td><td></td></tr> <tr><td style="text-align: right;">2252 lb</td><td></td></tr> <tr><td style="text-align: right;">5030 lb</td><td></td></tr> <tr><td style="text-align: right;">2204 lb</td><td></td></tr> <tr><td style="text-align: right;">9578 lb</td><td></td></tr> <tr><td style="text-align: right;">2692 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;">2 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;">22164 lb</td><td></td></tr> </table>	0 lb		405 lb		2252 lb		5030 lb		2204 lb		9578 lb		2692 lb		0 lb		0 lb		2 lb		0 lb		-----		22164 lb	
0 lb																											
405 lb																											
2252 lb																											
5030 lb																											
2204 lb																											
9578 lb																											
2692 lb																											
0 lb																											
0 lb																											
2 lb																											
0 lb																											
-----																											
22164 lb																											

**Structure Notes:**

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT:
  - WALLS: PER ASTM A615 - DOUBLE MAT
  - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. INVERT CHANNEL REQUIRED
5. STEPS AT 270 DEGREES
6. 7" CASTING SUPPLIED BY OTHERS

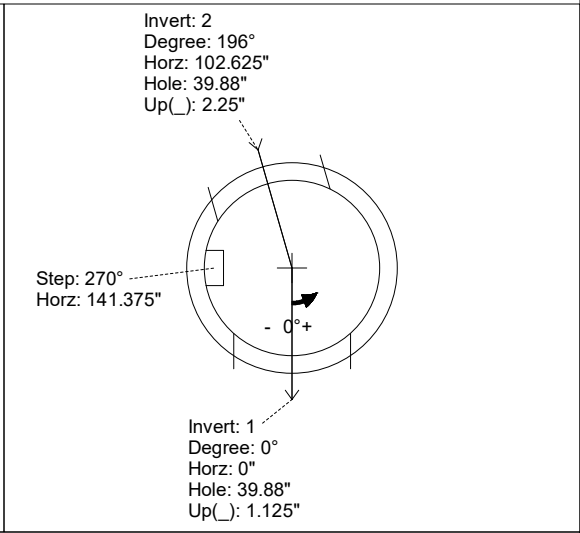
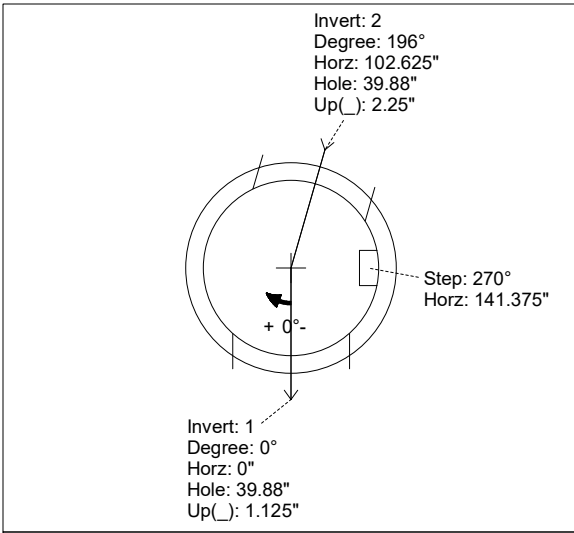
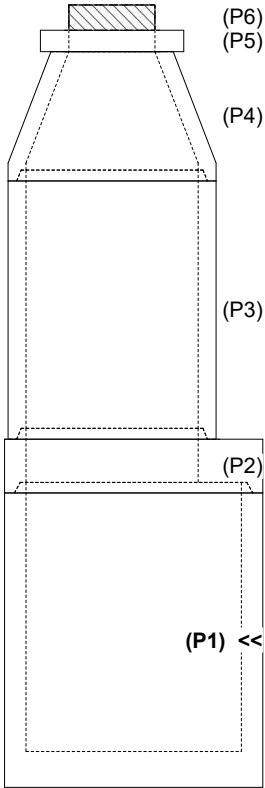
Structure Total: 22164 lb

Rim: 750.02'    Rim to Invert: 17.09'    Slack: 0.08"    Sump: 3"    Step Position: 270°

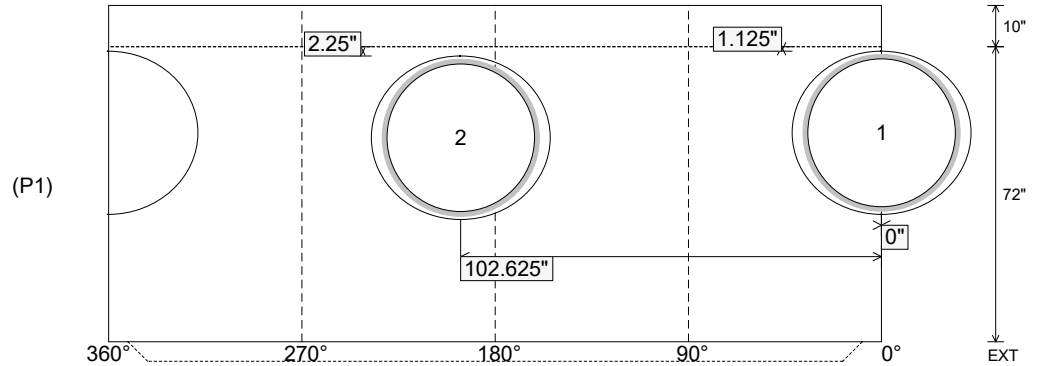
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	732.93'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	733.03'	196°	123.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 72" Height (Ext): 82"	Weight (Net): 9578 lb Volume (Net): 2.45cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements  
 Job Location: Fort Mitchell, KY 41017  
 Contractor: Lykins Contracting

Plant: 100

3/20/2026 1:21:18 PM

Tech: J. Horsley - A

PC: Celina Goff



**Structure ID: 2301539**

**P1 MH060BAVF**

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

- 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:

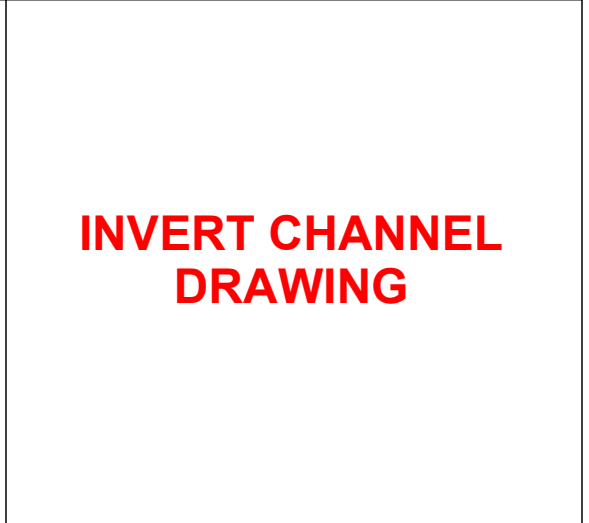
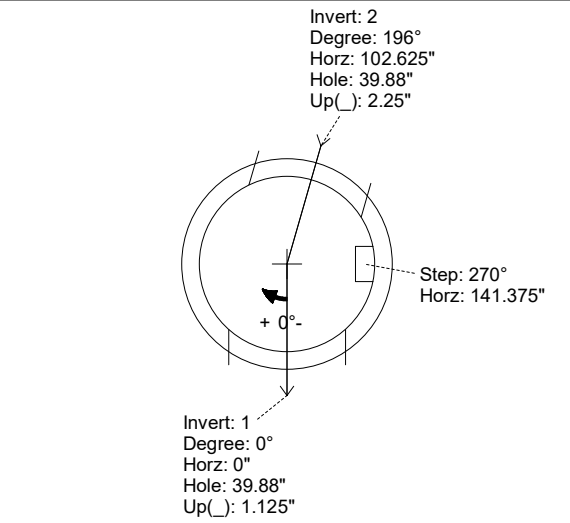
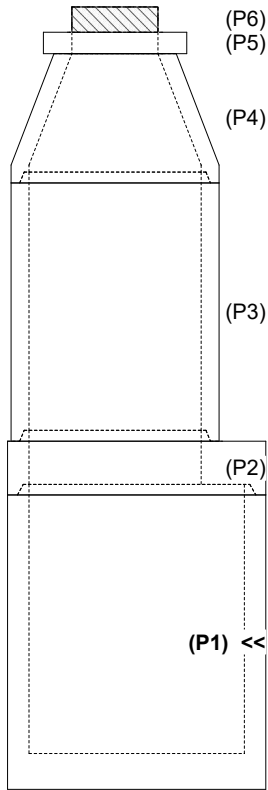
1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT:
  - WALLS: PER ASTM A615 - DOUBLE MAT
  - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. INVERT CHANNEL REQUIRED
5. STEPS AT 270 DEGREES
6. 7" CASTING SUPPLIED BY OTHERS

Rim: 750.02' Rim to Invert: 17.09' Slack: 0.08" Sump: 3" Step Position: 270°

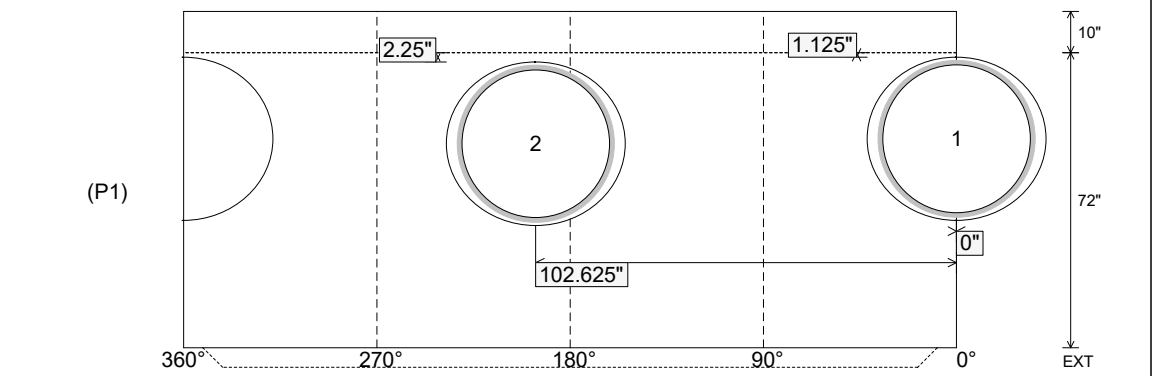
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	732.93'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	733.03'	196°	123.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 72" Height (Ext): 82"	Weight (Net): 9578 lb Volume (Net): 2.45cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements  
 Job Location: Fort Mitchell, KY 41017  
 Contractor: Lykins Contracting

Plant: 100

Tech: J. Horsley - A

3/27/2026 11:39:36 AM

PC: Celina Goff



**Structure ID: 2301538**

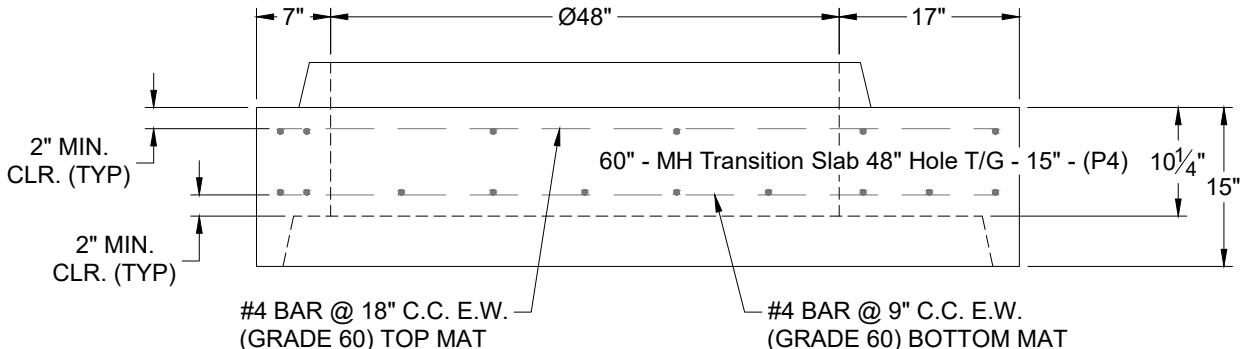
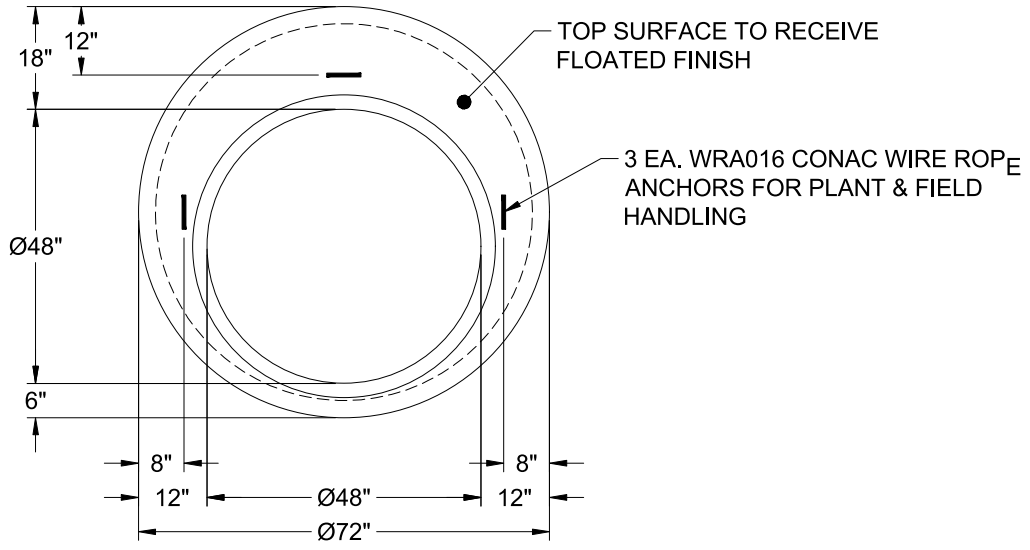
**P4 MH060TS15-48ECC**

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

- P8) 24" - CASTING HEIGHT - 7"
- P7) 48" - CON CONE w/24" HOLE F/G - 24"
- P6) 48" - MH RISER T/G - 72"
- P5) 48" - MH RISER T/G - 72"
- P4) 60" - MH Transition Slab 48" Hole T/G - 15"
- P3) 60" - MH RISER w/DROP T/G - 60"
- P2) 60" - MH RISER w/DROP Custom Ht T/G - 38"
- P1) 60" - MH BASE (14"F) w/DROP Custom Ht T/n - 72"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 1) SECONDARY POUR - Add Exterior Drop to Base (P1)
- 1) SECONDARY POUR - Add Exterior Drop to Riser (P2)
- 1) SECONDARY POUR - Add Exterior Drop to Riser (P3)
- 1) CASTING - HOE MC-375-SS F/C Sanitary
- 3) 60" - Conseal CS-102 1.00" (Double)
- 3) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 28) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 2252 lb
- 5030 lb
- 5030 lb
- 2204 lb
- 6235 lb
- 3967 lb
- 14615 lb
- 2692 lb
- 3698 lb
- 1634 lb
- 2580 lb
- 271 lb
- 0 lb
- 0 lb
- 2 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- Structure Total: 50210 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
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Job Name: 26-1227 - Project Colt  
 Job Location: Evansville, IN  
 Contractor: Russell's Excavating

Plant: 100  
 5/12/2026 11:30:18 AM

Tech: Jared - F  
 PC: A. Chambers



**Structure ID: 106-16 MHK**

**P1 MH072BAVF**

**MH BASE Custom Ht T/n**

- P3) 24" - CASTING HEIGHT - 1"
- P2) 72" - MH FLAT LID w/24in ECC Hole F/G - 15"
- P1) 72" - MH BASE Custom Ht T/n - 67"
- 1) EJ 6489 GRATE
- 1) 72" - Conseal CS-102 1.00"
- 2) Hole - 50
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb  
 5098 lb  
 11161 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 16259 lb

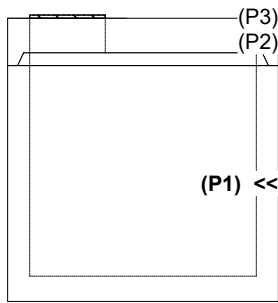
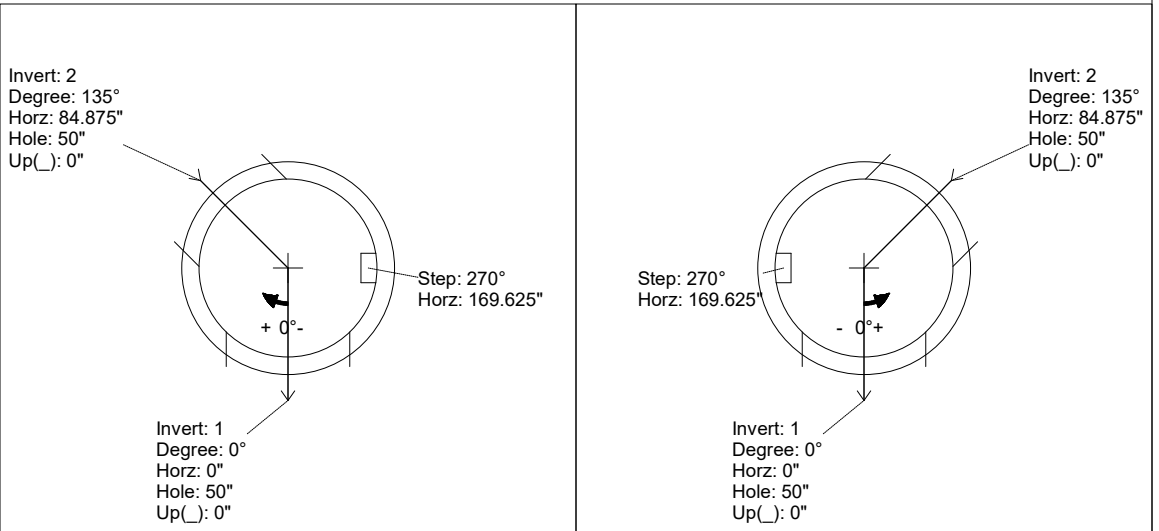
**Structure Notes:**  
 1. INDOT MH TYPE K / ASTM C478 SPEC'S.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. NO INVERT CHANNEL.  
 4. CASTING BY ICAST (EJ 6489 GRATE).  
 REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
 - RISER/WALLS (As .18)  
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 383' Rim to Invert: 6.7' Slack: 0.52" Sump: 3.12" Step Position: 270

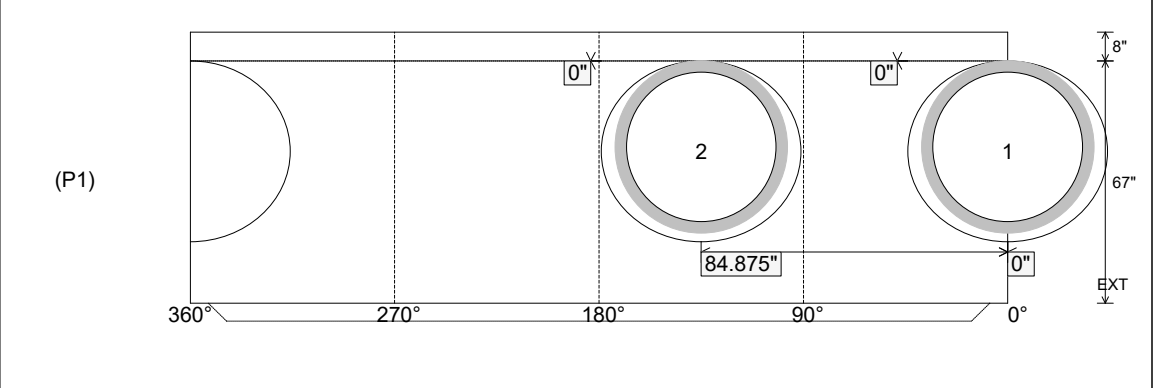
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	376.3'	0°	0"	42" HDPE	47.7"	Hole 50	50"	55.271"	0"	0"
Invert 2	376.3'	135°	101.375"	42" HDPE	47.7"	Hole 50	50"	55.271"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 7" Floor Height: 8"	Height (Int): 67" Height (Ext): 75"	Weight (Net): 11161 lb Volume (Net): 2.85cu.yd
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**Structure ID: 10-CS-6**

**P3 MH072RS24S**

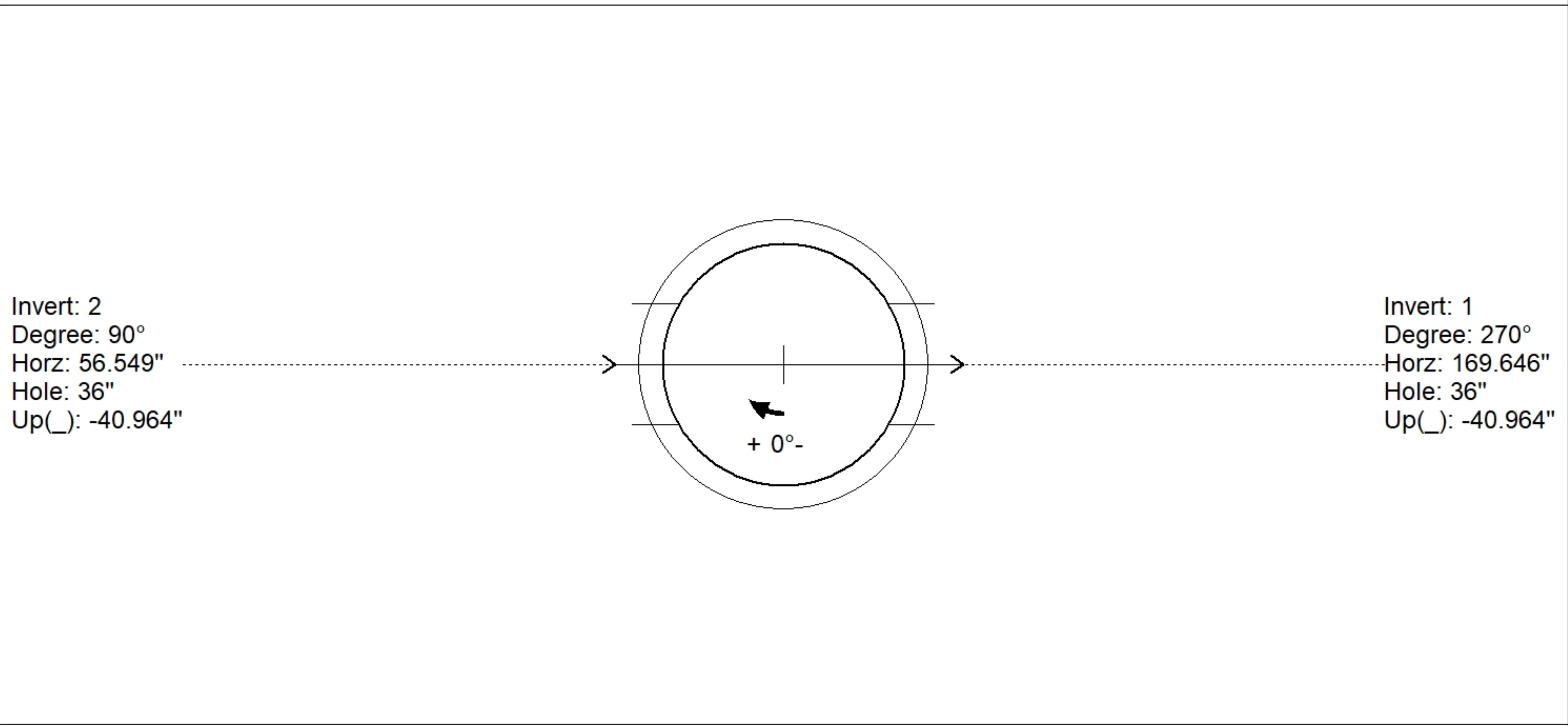
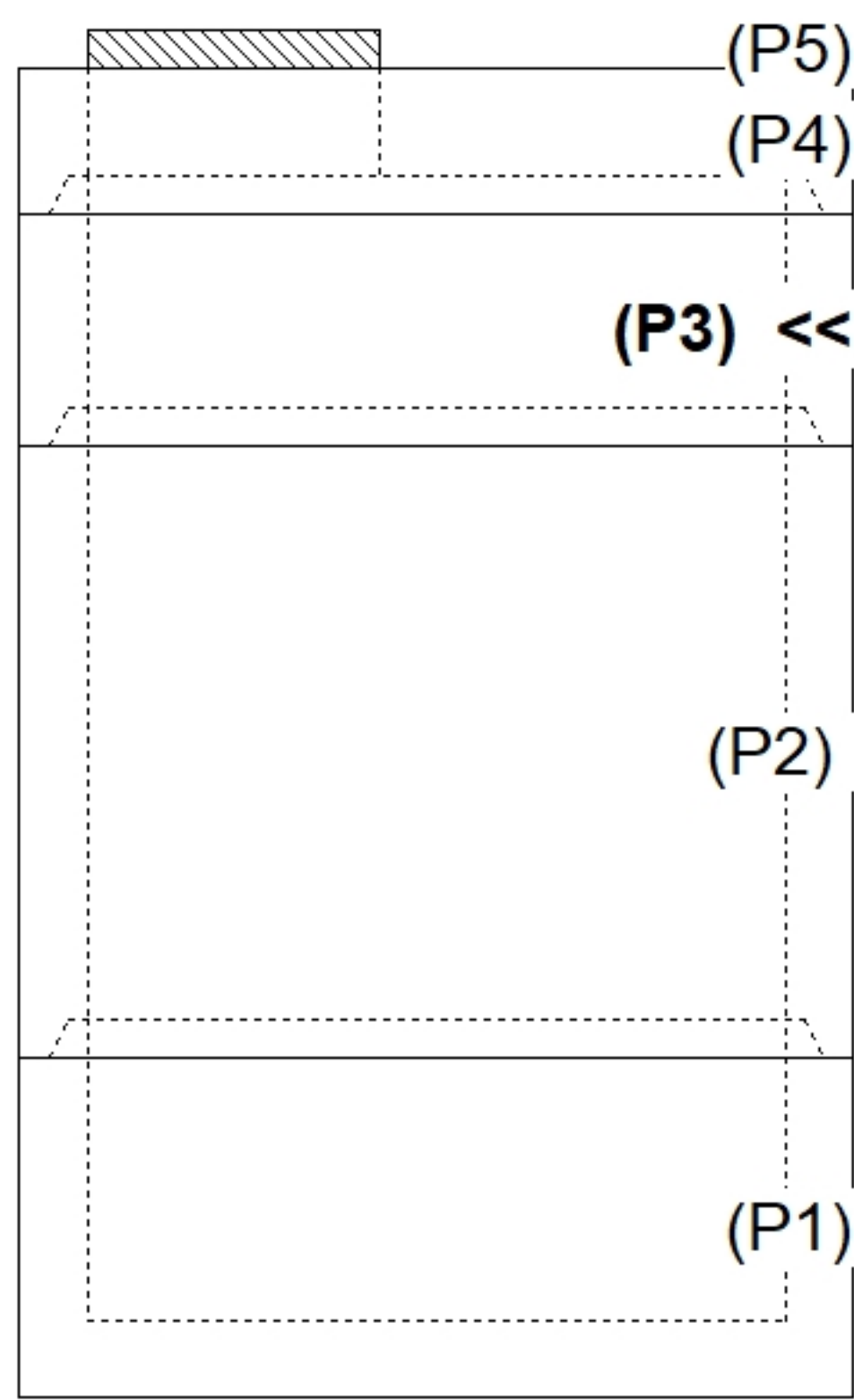
**MH RISER NO STEPS T/G**

P5) 30" - CASTING HEIGHT - 4" P4) 72" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 15" P3) 72" - MH RISER NO STEPS T/G - 24" P2) 72" - MH RISER Custom Ht T/G - 63" P1) 72" - MH BASE Custom Ht T/n - 27" 1) ASSEMBLY REQUIRED 1) CVSTENCILING 3) 72" - Conseal CS-102 1.00" 2) Hole - 36	0 lb 4661 lb 3499 lb 7941 lb 7835 lb 0 lb 0 lb 0 lb 0 lb 0 lb	<b>Structure Notes:</b> 4" CASTING BY OTHERS  LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE  ICAST TO INSTALL THE INTERNALS  CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE  BASE & P2 RISER TO BE MECHANICALLY ATTACHED BEFORE INSTALL
Structure Total: 23936 lb		

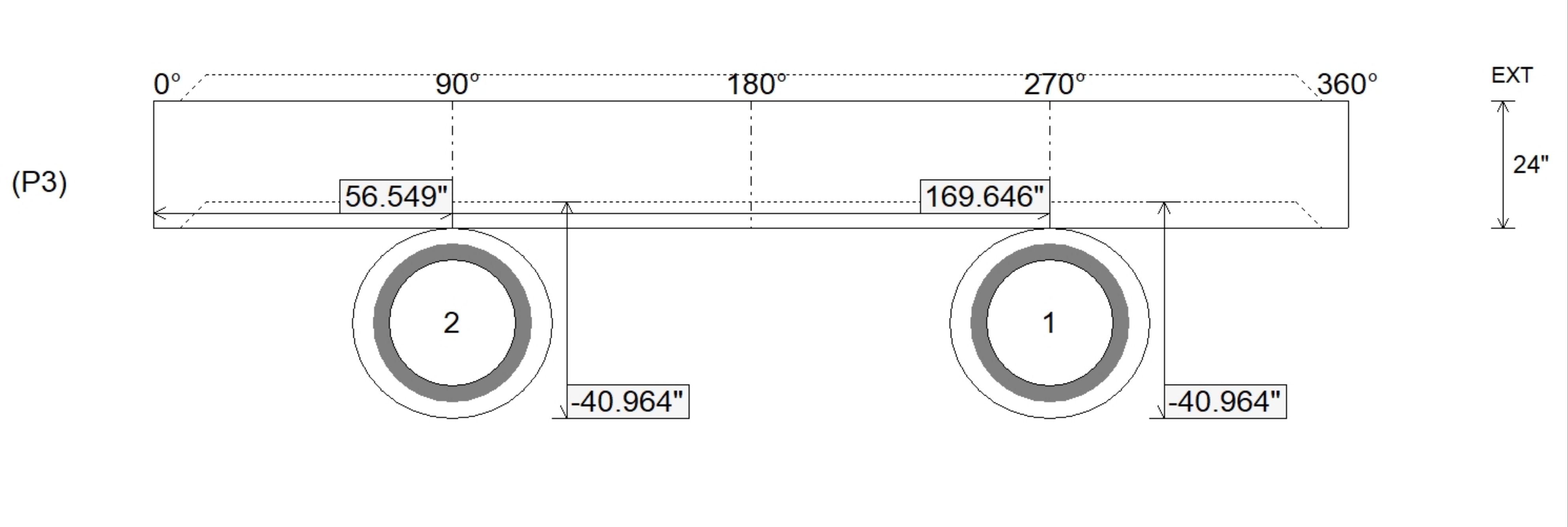
Rim: 476.78'    Rim to Invert: 6.27'    Slack: 2.276"    Sump: 60.036"    Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	470.51'	270°	202.633"	24" RCP B WALL	30"	Hole 36	36"	37.699"	-40.964"	0"
Invert 2	470.51'	90°	67.544"	24" RCP B WALL	30"	Hole 36	36"	37.699"	-40.964"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



**INSIDE WALL DIMENSIONS**



Coating (Int):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 7" Floor Height: 0"	Height (Int): 24" Height (Ext): 24"
Coating (Ext):			Weight (Net): 3499 lb Volume (Net): 0.89cu.yd

Job Name: 26-2225 852136 Trace Diecast  
 Job Location: Bowling Green, KY  
 Contractor: Contech Engineering Solutions

Plant: Beaver Dam  
 5/13/2026 11:39:10 AM

Tech: S. Felletter  
 PC: C. Goff



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

**P4 MH072LD15-30ECC**

**MH FLAT TOP SPEC. (30" ECC HOLE) F/G**

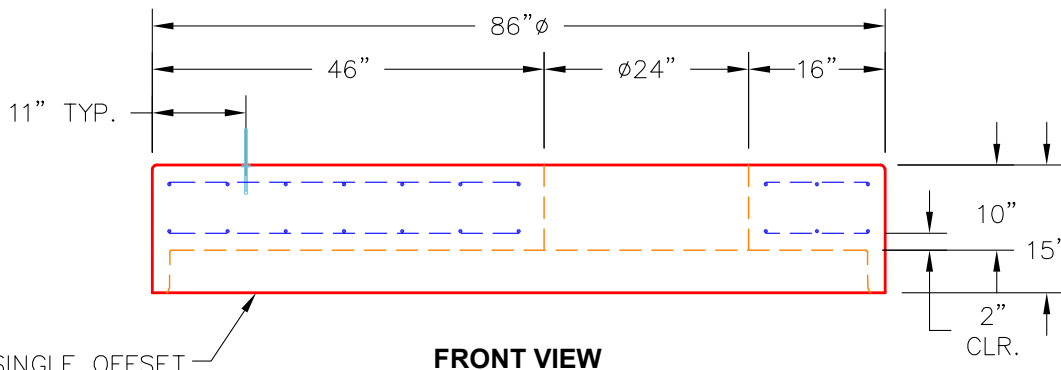
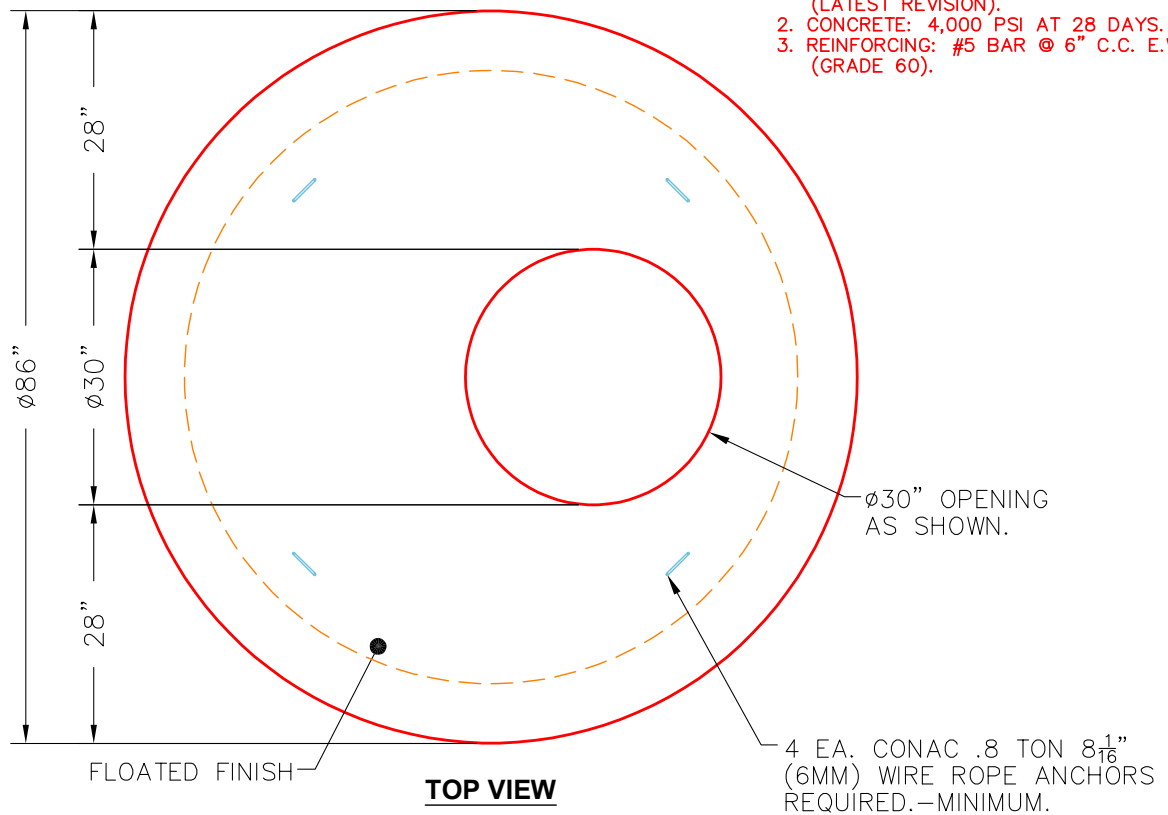
- P5) 30" - CASTING HEIGHT - 4"
- P4) 72" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 15"
- P3) 72" - MH RISER NO STEPS T/G - 24"
- P2) 72" - MH RISER Custom Ht T/G - 63"
- P1) 72" - MH BASE Custom Ht T/n - 27"
- 1) ASSEMBLY REQUIRED
- 1) CVSTENCILING
- 3) 72" - Conseal CS-102 1.00"
- 2) Hole - 36

0 lb  
 4661 lb  
 3499 lb  
 7941 lb  
 7835 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 23936 lb

**Structure Notes:**  
 4" CASTING BY OTHERS  
  
 LIFTING ANCHORS TO BE INSTALLED  
 ON THE OUTSIDE OF THE STRUCTURE  
  
 ICAST TO INSTALL THE INTERNALS  
  
 CONTECH'S LOGO AS WELL AS THE  
 INLET AND OUTLET MUST BE  
 STENCILED ONTO THE STRUCTURE  
  
 BASE & P2 RISER TO BE MECHANICALLY  
 ATTACHED BEFORE INSTALL

**NOTES:**

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



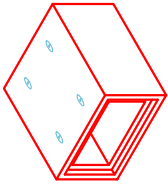
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 7"	Height (Ext): 15"	Weight (Net): 4661 lb Volume (Net): 1.19cu.yd
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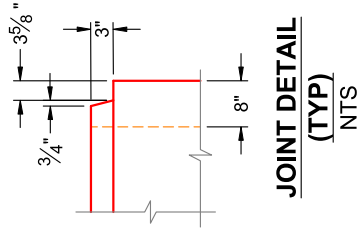
**Structure ID: BC 4 x 2 (PC 6)**

**P1 BC048024-08WLF**

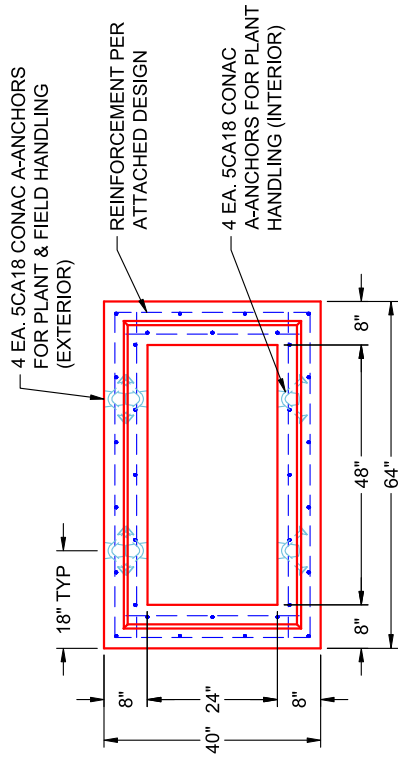
**BOX CULVERT (08W/08F/08T) No Haunch G/T**



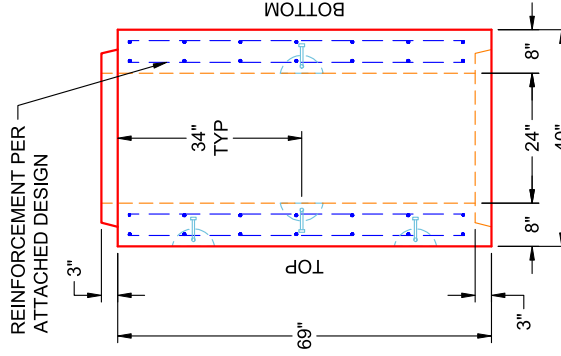
**COMPONENT ISOMETRIC VIEW**



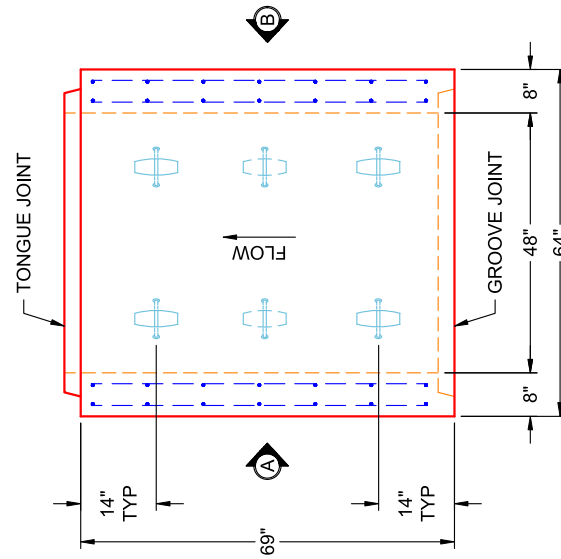
**JOINT DETAIL (TYP) NTS**



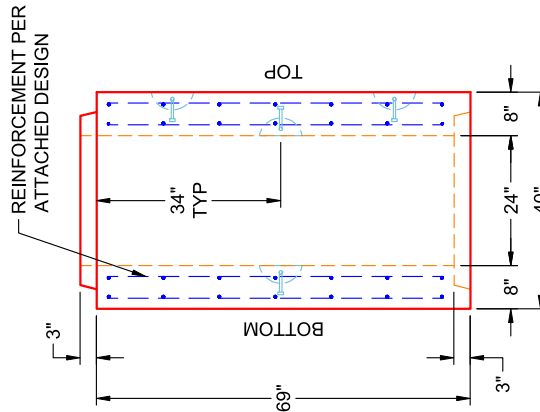
**END VIEW TYPICAL**



**VIEW B PC 6 (UPRIGHT IN MOLD)**



**PLAN VIEW PC 6 (UPRIGHT IN MOLD)**



**VIEW A PC 6 (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

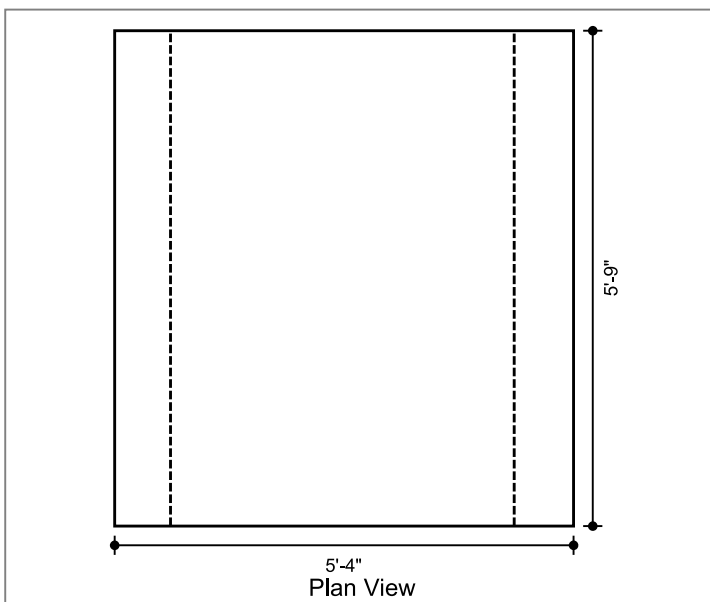
Project : Alcoa Outfall  
 Task :  
 Job No. : 25-2073

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

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

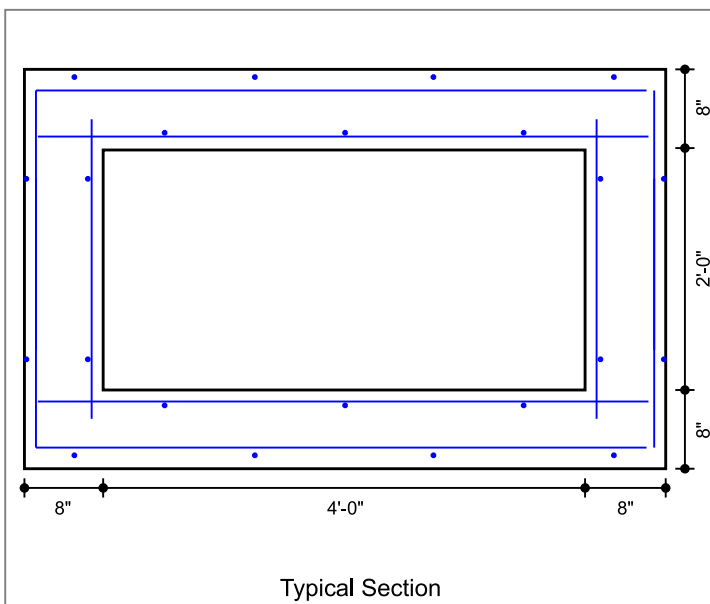
## Physical Dimensions

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

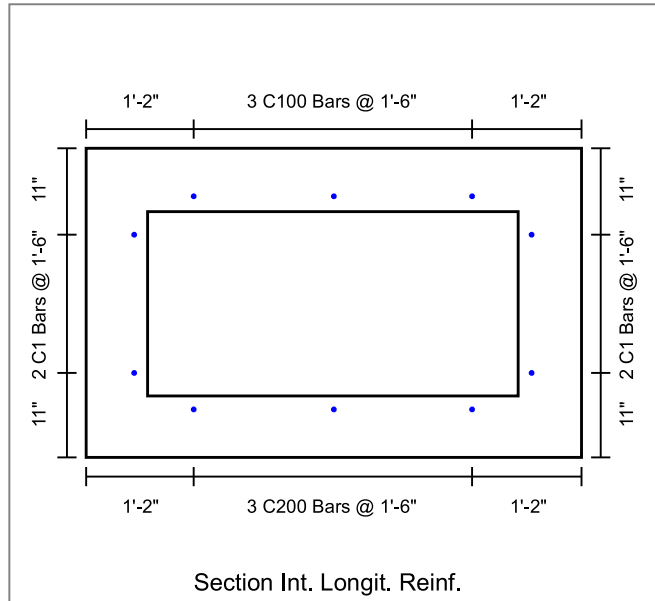
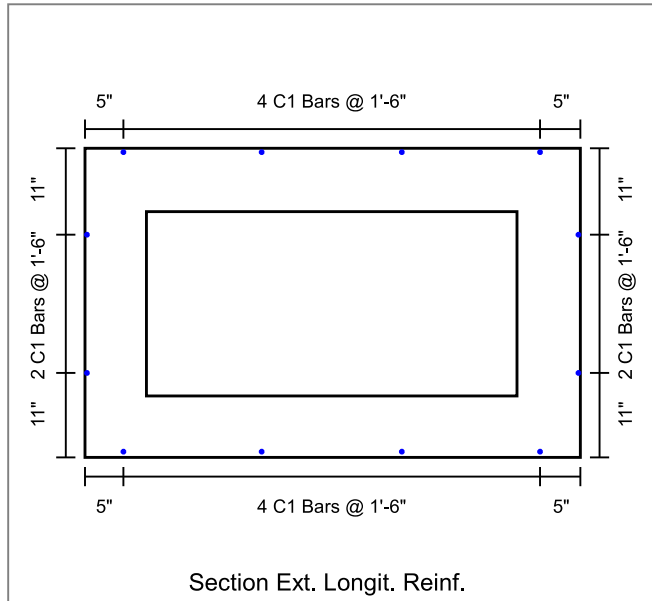
File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

## 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

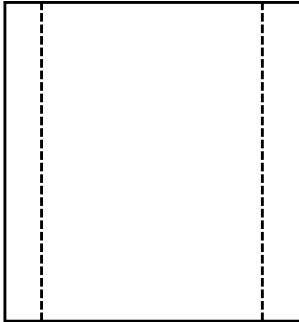
Client: Bowen Engineering Co

Task :

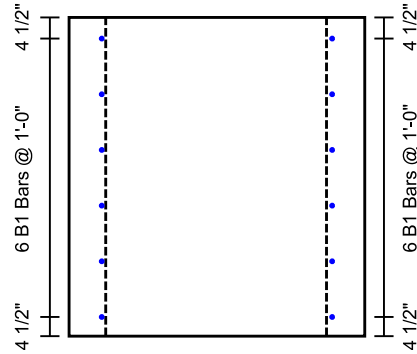
File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

Job No. : 25-2073

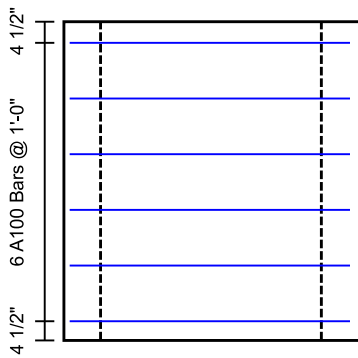
Sheet 3 of 3



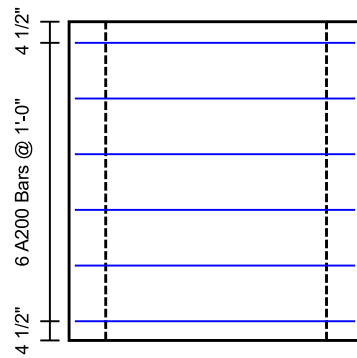
Ext. Wall Reinf.



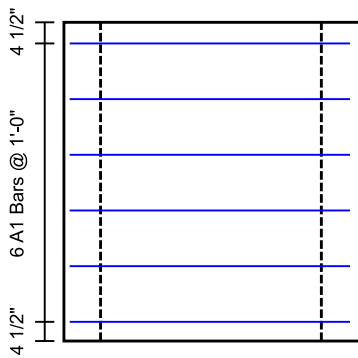
Int. Wall Reinf.



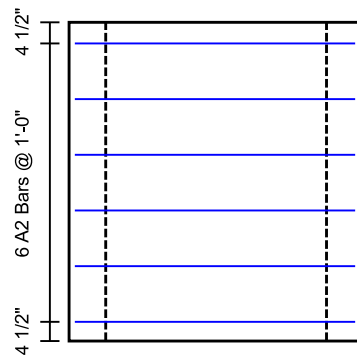
Top Slab Int. Reinf.



Bottom Slab Int. Reinf.



Top Slab Corner Reinf.



Bottom Slab Corner Reinf.

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)	Plant: 100	Tech: J. Horsley - A	
Job Location: Indiana, KY Contractor: Louisville Paving and Construction	5/12/2026 12:59:20 PM	PC: J. Jarvis	

**Structure ID: 77**

**P1 BX2424-08BAVF**

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

P2) 24" x 24" - CB FLAT TOP 8"W (HOE KY-210) F/F - 8"	943 lb
P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 40"	4340 lb
1) This Structure Includes a Cast-in Item - HOE KY-210 Frame (Supplied By Others)	0 lb
1) 24" x 24" - Conseal CS-102 1.00"	0 lb
1) Hole - 18	0 lb
<b>Structure Total:</b>	<b>5283 lb</b>

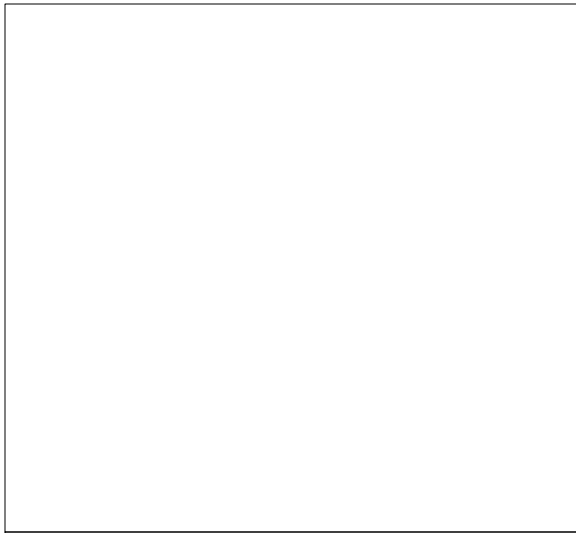
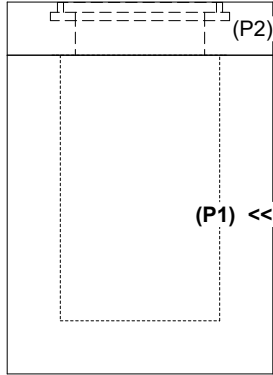
Structure Notes:  
**\*\*KYTC STATE PROJECT\*\***  
 1. PER KYTC DBI TYPE 14 / ASTM C-913 SPECS  
 2. CONCRETE: 4,000 PSI AT 28 DAYS  
 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)  
 4. NO STORM INVERT  
 5. NO STEPS  
 6. HOE KY-210 FRAME & GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID

Rim: 552.2' Rim to Invert: 4' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	548.2'	0°	20"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

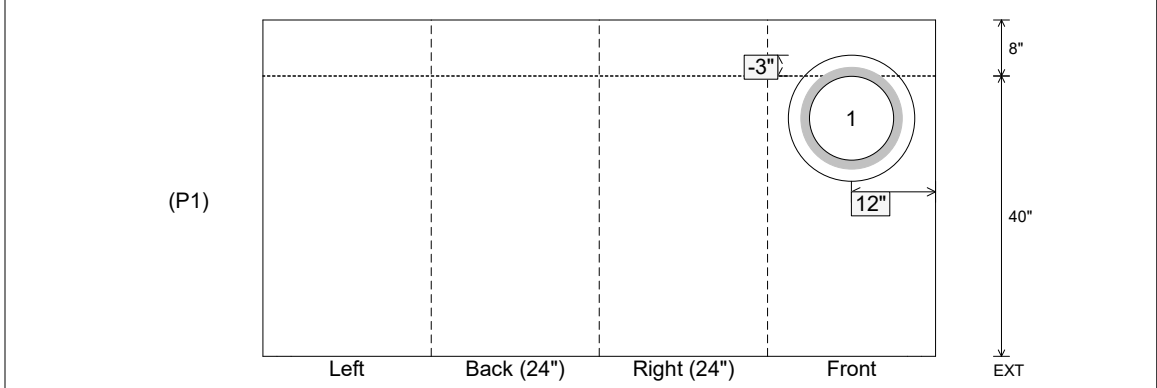
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



Invert: 1  
 Degree: 0°  
 Horz: 12"  
 Hole: 18"  
 Up(↓): -3"

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 40" Height (Ext): 48"	Weight (Net): 4340 lb Volume (Net): 1.11cu.yd
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Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)	Plant: 100	Tech: J. Horsley - A	
Job Location: Indiana, KY Contractor: Louisville Paving and Construction	5/12/2026 1:01:10 PM	PC: J. Jarvis	

**Structure ID: 125**

**P2 BX1818-06RVF**

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

- P3) 18" x 18" - CASTING HEIGHT - 4"
- P2) 18" x 18" - BOX RISER 6inW, Variable Ht F/G - 12"
- P1) 18" x 18" - BOX BASE 6inW, 6inF, Variable Ht T/n - 20"
- 2) 18" x 18" - Conseal CS-102 1.00"
- 1) Hole - 16

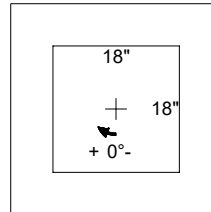
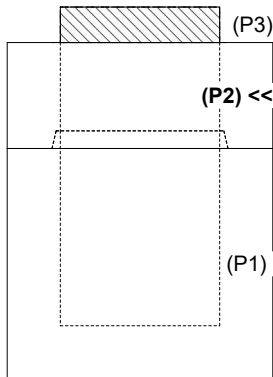
0 lb  
 580 lb  
 1319 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 1899 lb

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

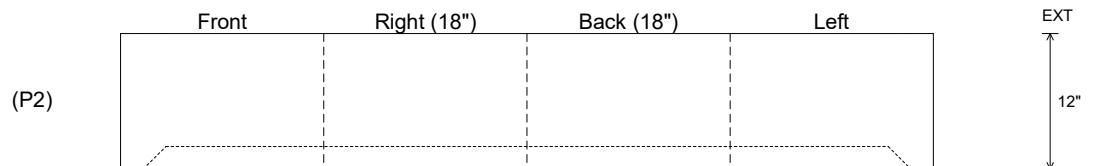
Rim: 566.35'    Rim to Invert: 3'    Slack: 0"    Sump: 0"    Step Position:

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

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



**INSIDE WALL DIMENSIONS**



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 6" Floor Height: 0"	Height (Int): 12" Height (Ext): 12"	Weight (Net): 580 lb Volume (Net): 0.15cu.yd
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Job Name: 25-4733 - The Paddock  
 Job Location: Springfield, KY  
 Contractor: Core & Main LP (Lou)

Plant: 100

Tech: Jared - F

5/14/2026 1:09:01 PM

PC: T. Lewis



**Structure ID: CI-D2**

**P1 BX2436-08BVF**

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

- P2) 24" x 36" - CASTING HEIGHT - 6"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 38"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 20

0 lb  
 4838 lb  
 442 lb  
 0 lb  
 0 lb  
 -----  
 0 lb  
 Structure Total: 5280 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)).

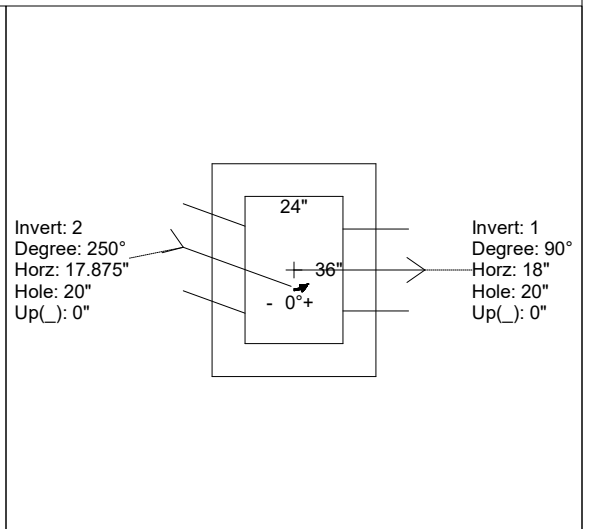
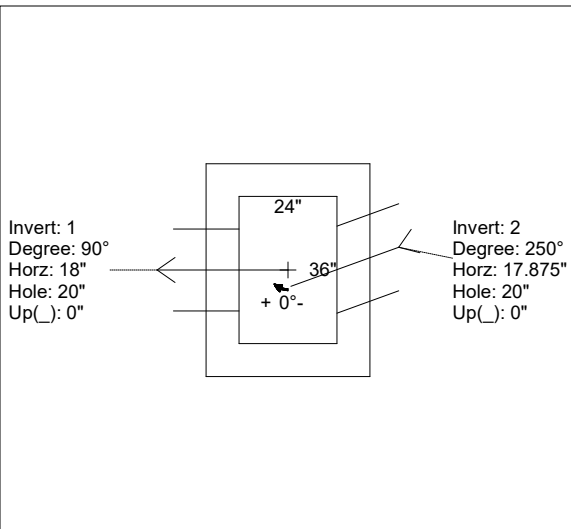
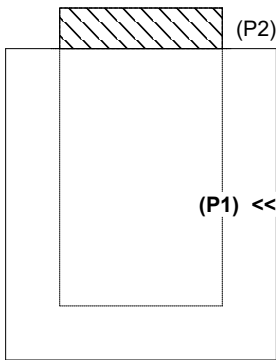
REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 884.97' Rim to Invert: 3.68' Slack: 1.41" Sump: 1.25" Step Position:

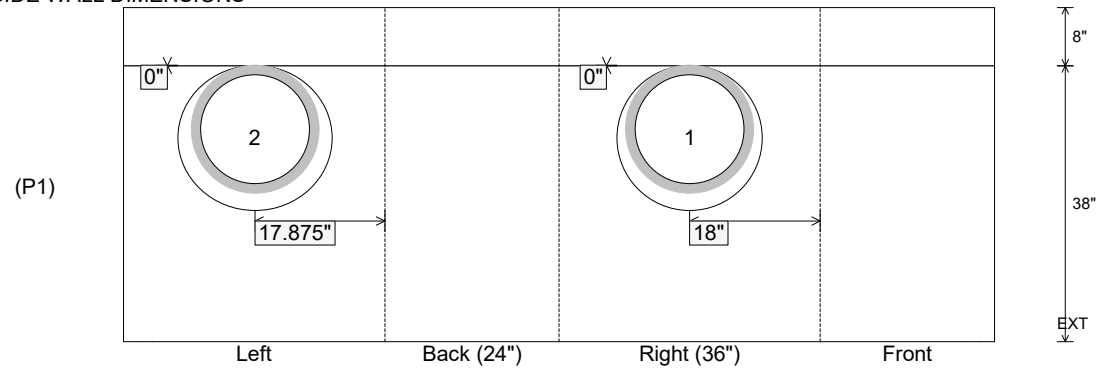
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	881.29'	90°	26"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2	881.29'	250°	23"	15" HDPE	17.6"	Hole 20	20"	21.284"	0"	4"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

Height (Int): 38"  
 Height (Ext): 46"

Weight (Net): 4838 lb  
 Volume (Net): 1.24cu.yd

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

Plant: 100

Tech: Jared - F

5/14/2026 8:16:33 PM

PC: T. Lewis



**Structure ID: OCS-B1**

**P2 BX363608R-VF**

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

- P4) 24" x 24" - CASTING HEIGHT - 0"
- P3) 36" x 36" - BX FLAT LID 8inW w/HOE 280T CAST IN F/F - 6"
- P2) 36" x 36" - BOX RISER 8inW, Variable Ht F/G - 44"
- P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 34"
- 1) CASTING - HOE 280T F/G
- 2) 36" x 36" - Conseal CS-102 1.00"
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 30
- 1) Orifice - 4"
- 1) Weir n/n - 12"x30"

- 0 lb
- 1023 lb
- 5005 lb
- 5349 lb
- 182 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- 
- 11560 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 280T F/G-CAST-IN, FLANGE UP).

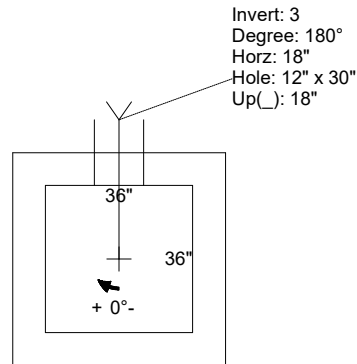
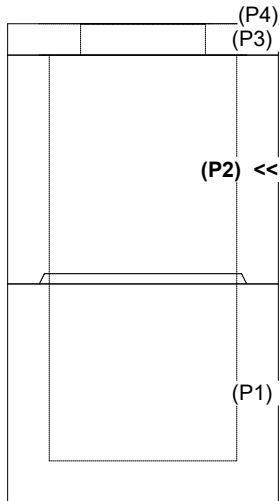
REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.  
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Structure Total: 11560 lb

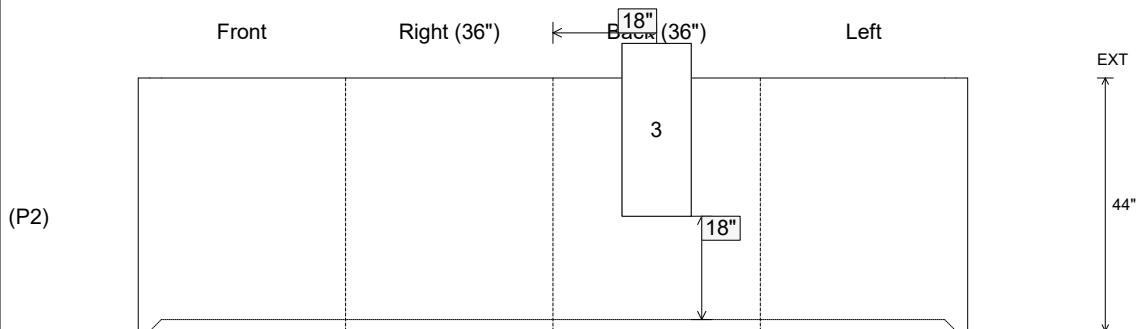
Rim: 881' Rim to Invert: 7' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1										
Invert 2										
Invert 3	878.5'	180°	26"	12" x 30" Weir	12" x 30"	Weir 12"x30"	12" x 30"	12"	18"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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



**INSIDE WALL DIMENSIONS**



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: Groove

Wall Thickness: 8"  
 Floor Height: 0"

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

Weight (Net): 5005 lb  
 Volume (Net): 1.28cu.yd

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

Plant: 100  
 5/14/2026 1:08:56 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: CI-A3**

**P1 BX2436-08BVF**

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

- P2) 24" x 36" - CASTING HEIGHT - 6"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 57"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 24
- 1) Hole - 16
- 1) Hole - 20

0 lb  
 6639 lb  
 442 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 7081 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)).

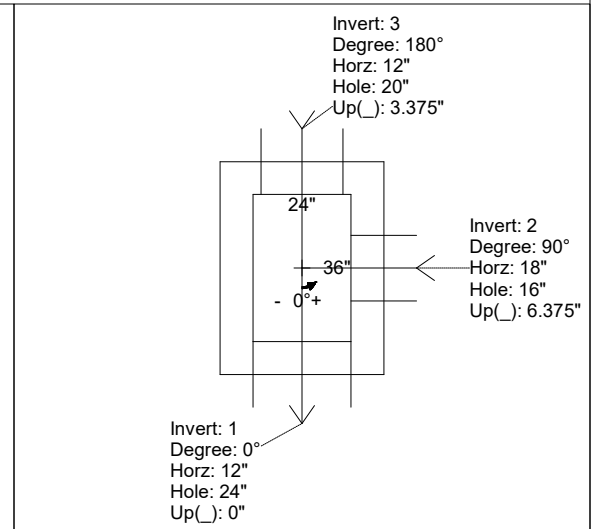
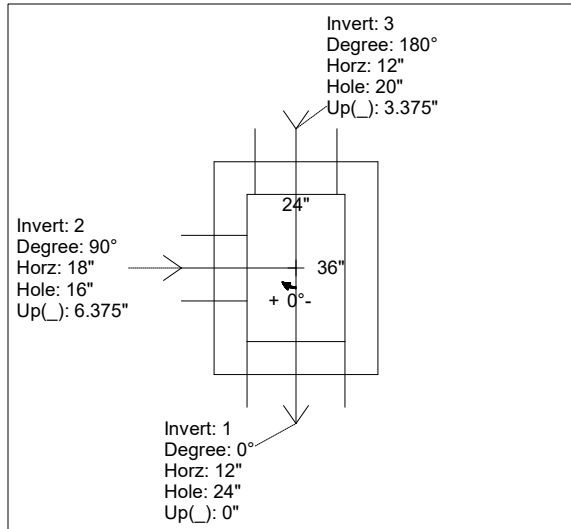
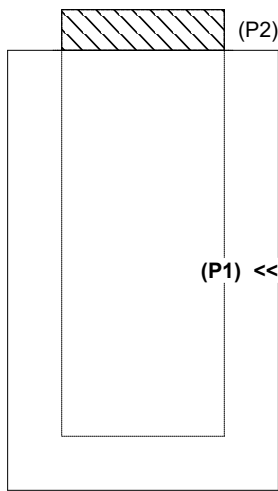
REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 889' Rim to Invert: 5.21' Slack: 1.145" Sump: 1.625" Step Position:

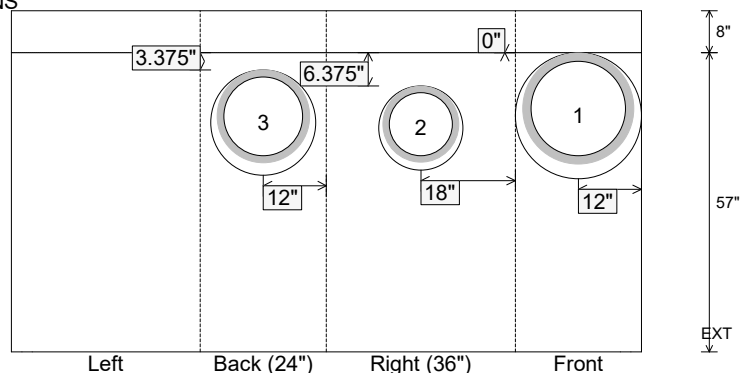
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	883.79'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"
Invert 2	884.29'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	6.375"	0"
Invert 3	884.04'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	3.375"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 8"  
 Floor Height: 8"

Height (Int): 57"  
 Height (Ext): 65"

Weight (Net): 6639 lb  
 Volume (Net): 1.7cu.yd

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

Plant: 100  
 5/14/2026 1:08:55 PM

Tech: Jared - F  
 PC: T. Lewis



**Structure ID: CI-A1**

**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 - 36"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 55"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 2) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 30

0 lb  
 3673 lb  
 6059 lb  
 442 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 10175 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)).

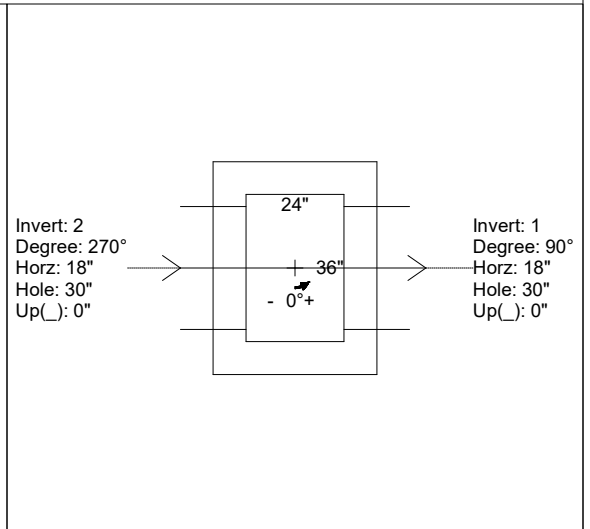
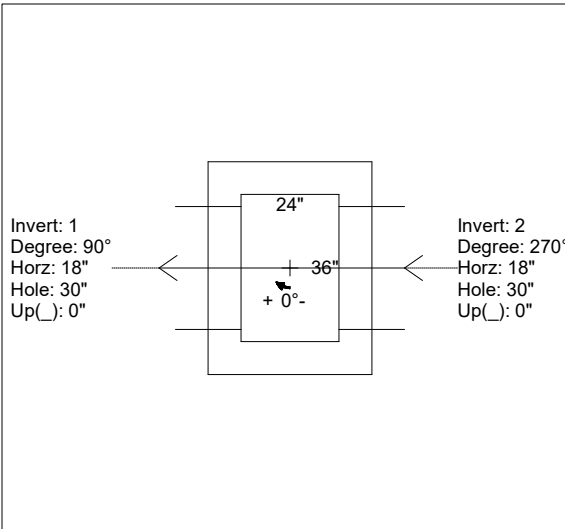
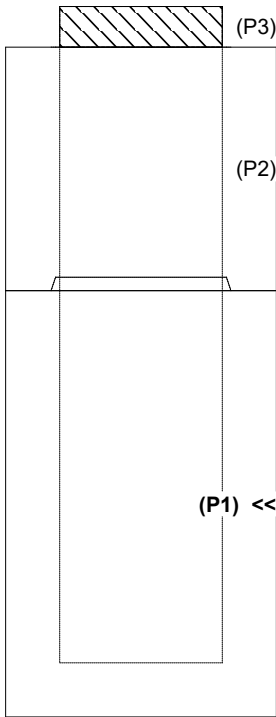
REINFORCING PER ASTM A615 (GRADE 60).  
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 887.42' Rim to Invert: 8.05' Slack: 1.475' Sump: 1.875' Step Position:

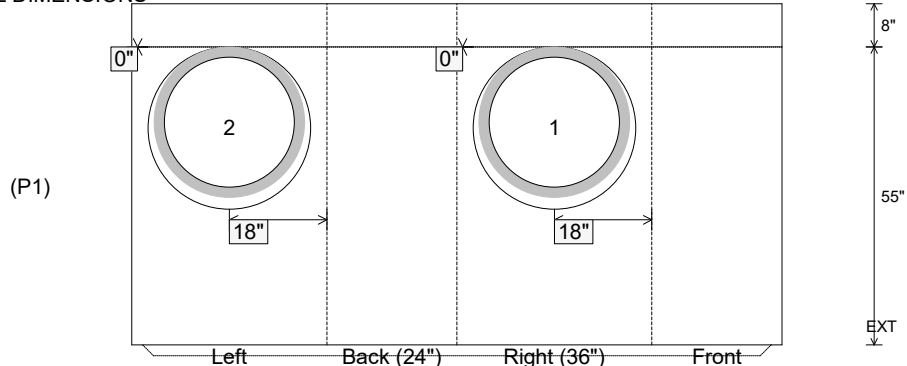
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	879.37'	90°	26"	24" HDPE	27.8"	Hole 30	30"	30"	0"	0"
Invert 2	879.37'	270°	26"	24" HDPE	27.8"	Hole 30	30"	30"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
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: 8"  
 Floor Height: 8"

Height (Int): 55"  
 Height (Ext): 63"

Weight (Net): 6059 lb  
 Volume (Net): 1.55cu.yd

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

Plant: 100  
 2/16/2026 8:56:35 AM

Tech: J. Horsley  
 PC: J. Jarvis



**Structure ID: D3**

**P1 BX18180606VF**

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

P2) 18" x 18" - CASTING HEIGHT - 4"  
 P1) 18" x 18" - BOX BASE 6inW, 6inF, Variable Ht F/n - 14"  
 1) 18" x 18" - Conseal CS-102 1.00"  
 1) Hole - 10

0 lb  
 1090 lb  
 0 lb  
 0 lb  
 -----  
 Structure Total: 1090 lb

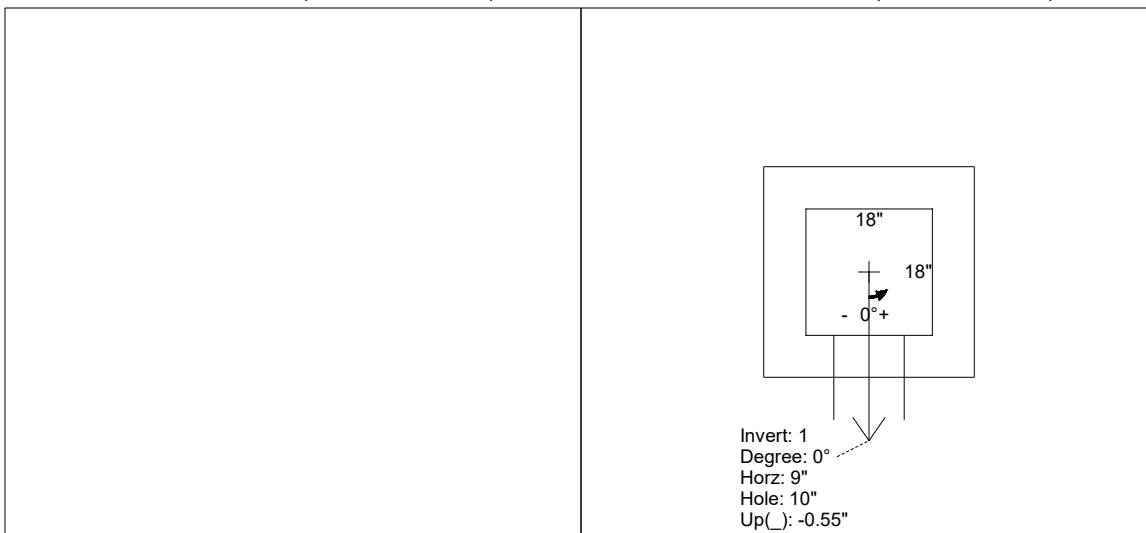
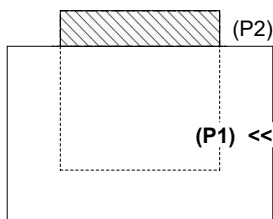
- Structure Notes:
1. PER LOUISVILLE MSD / ASTM C-913 SPECIFICATIONS
  2. CONCRETE: 4,000 PSI AT 28 DAYS
  3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
  4. NO STORM INVERT
  5. NO STEPS
  6. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS

Rim: 486.35' Rim to Invert: 1.5' Slack: 0" Sump: 0" Step Position:

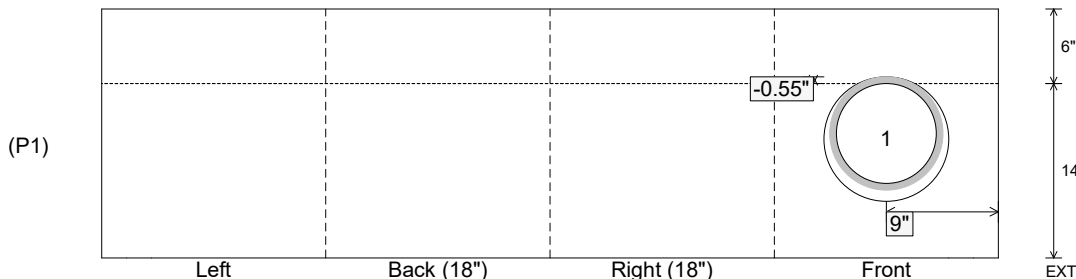
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	484.85'	0°	15"	8" HDPE	9.1"	Hole 10	10"	10"	-0.55"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
 Coating (Ext):

Seam Up: Flat  
 Seam Dn: n/a

Wall Thickness: 6"  
 Floor Height: 6"

Height (Int): 14"  
 Height (Ext): 20"

Weight (Net): 1090 lb  
 Volume (Net): 0.28cu.yd