

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

Plant: Beaver Dam
 4/27/2026 2:29:58 PM

Tech: S. Felletter
 PC: C. Goff



Structure ID: 10-CS-10

P4 MH120LD18SP

MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G

- P5) 24" - CASTING HEIGHT - 4"
- P4) 120" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18"
- P3) 120" - MH RISER NO STEPS T/G - 36"
- P2) 120" - MH RISER NO STEPS T/G - 84"
- P1) 120" - MH MONOBASE 14F, Custom Ht T/n - 48"
- 1) CVSTENCILING
- 1) ASSEMBLY REQUIRED - BRACKETS ONLY
- 3) 120" - Conseal CS-102 1.00"
- 2) Hole - 32

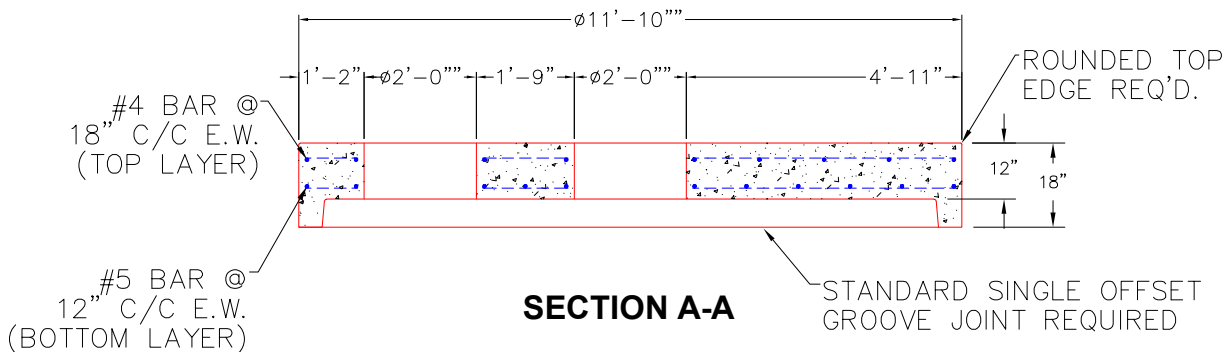
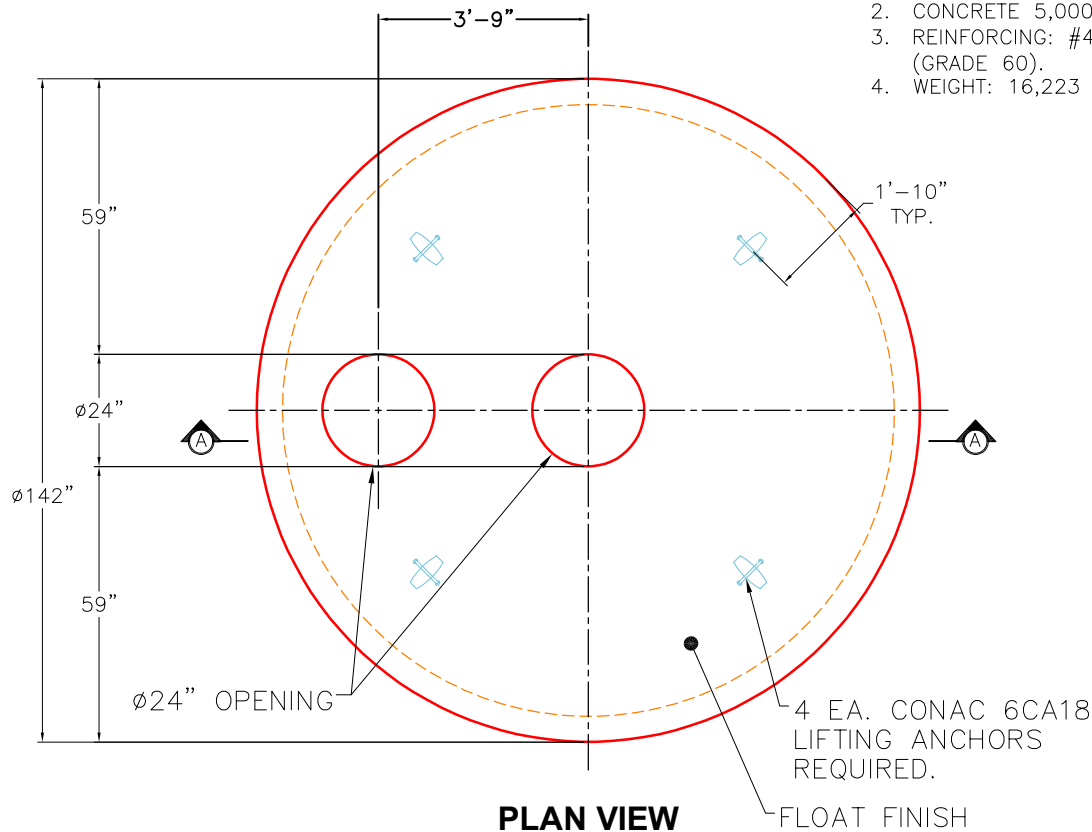
0 lb
 16223 lb
 13675 lb
 30395 lb
 36838 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 97131 lb

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

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 5,000 PSI AT 28 DAYS.
3. REINFORCING: #4 & #5 BAR AS SHOWN (GRADE 60).
4. WEIGHT: 16,223 LBS.



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 11"

Height (Ext): 18"

Weight (Net): 16223 lb
 Volume (Net): 4.14cu.yd

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

Plant: Beaver Dam
 4/28/2026 12:53:54 PM

Tech: S. Felletter
 PC: C. Goff



Structure ID: 20-CS-12

P5 MH144LD18

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

- P6) 24" - CASTING HEIGHT - 4"
- P5) 144" - MH FLAT TOP w/ 24" ECC Hole F/G - 18"
- P4) 144" - MH RISER T/G - 36"
- P3) 144" - MH RISER T/G - 84"
- P2) 144" - MH RISER T/G - 60"
- P1) 144" - MH MONOBASE 14F, Custom Ht T/n - 24"
- 1) CVSTENCILING
- 1) ASSEMBLY REQUIRED - BRACKETS ONLY
- 4) 144" - Conseal CS-102 1.00"
- 2) Hole - 44

0 lb
 24911 lb
 19370 lb
 41809 lb
 32283 lb
 39578 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 157950 lb

Structure Notes:
 4" CASTING BY OTHERS

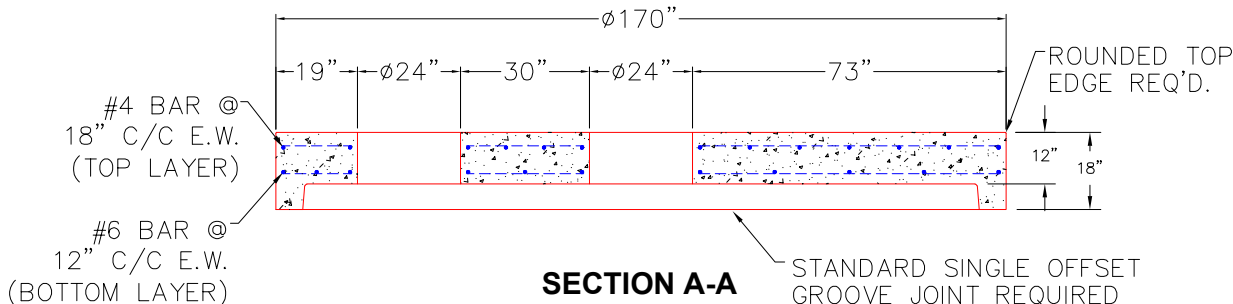
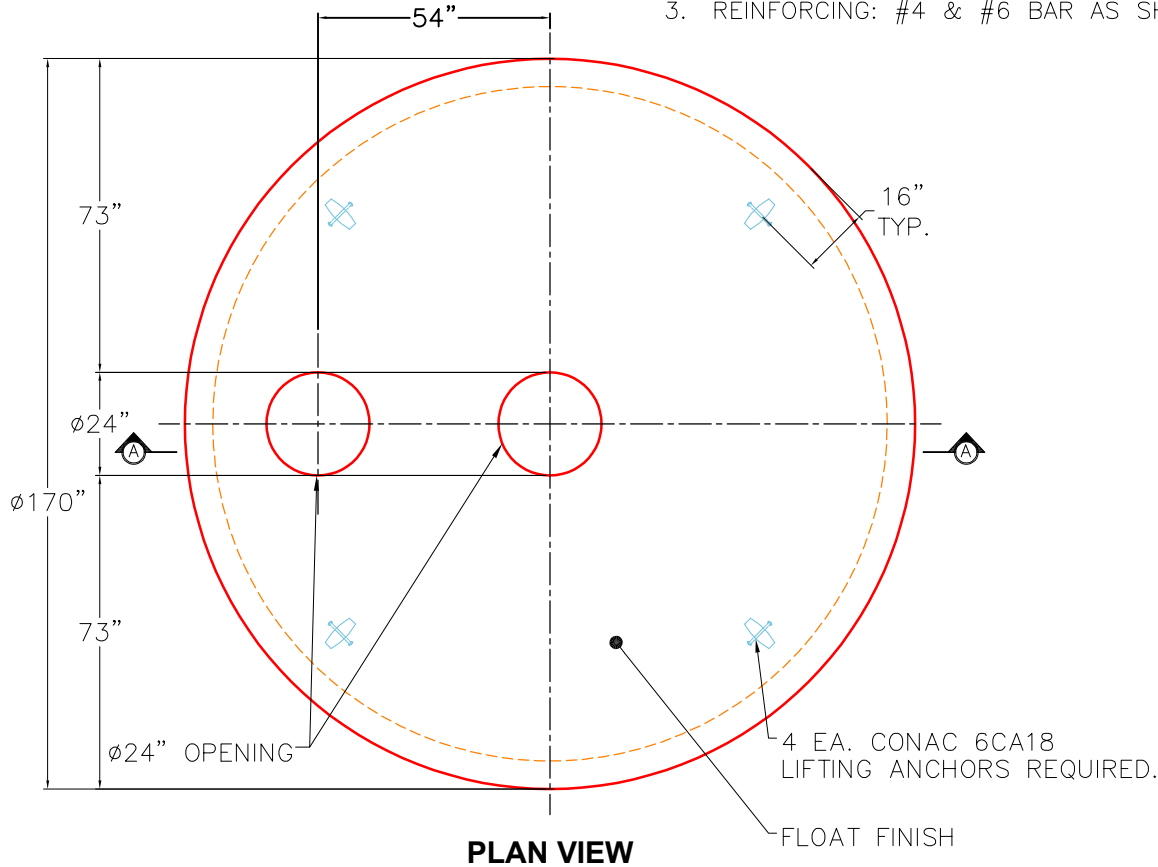
 LIFTING ANCHORS TO BE INSTALLED
 ON THE OUTSIDE OF THE STRUCTURE

 ICAST TO INSTALL BRACKETS ONLY

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

GENERAL NOTES:

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



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 13"	Height (Ext): 18"	Weight (Net): 24911 lb Volume (Net): 6.36cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
 Job Location: Fort Mitchell, KY 41017
 Contractor: Lykins Contracting

Plant: 100

3/27/2026 11:41:24 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2280819

P3 MH048CCN36

CON CONE w/24" HOLE F/G

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - CON CONE w/24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 60"
- P1) 48" - MH BASE (08"F) T/n - 47"
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) Kor-N-Seal2 - S206-28
- 10) MH Step ML-10-TDS-NCR - 10"

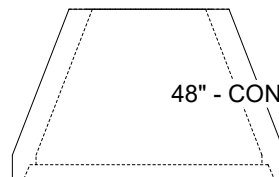
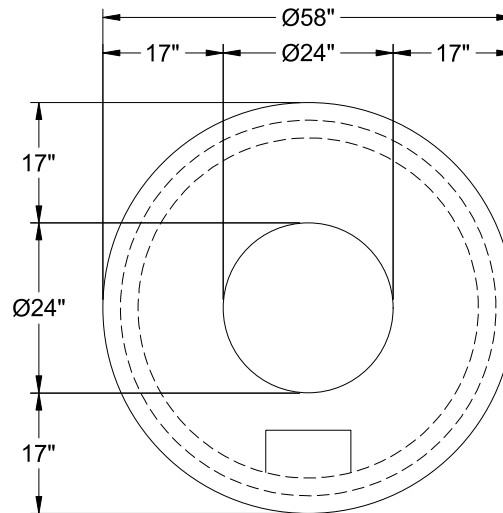
0 lb
2252 lb
4192 lb
4512 lb
1440 lb
0 lb
13 lb
0 lb

12408 lb

Structure Total: 12408 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. STEPS REQUIRED
5. 7" CASTING SUPPLIED BY OTHERS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 36"

Weight (Net): 2252 lb
 Volume (Net): 0.57cu.yd

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

Plant: Beaver Dam

Tech: S. Felletter

5/8/2026 10:35:05 AM

PC: C. Goff



Structure ID: 10-CS-4

P1 MH048BA36

MH BASE T/n

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

0 lb
 1500 lb
 3924 lb
 3845 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 9270 lb

Structure Notes:
 4" CASTING BY OTHERS

 LIFTING ANCHORS TO BE INSTALLED
 ON THE OUTSIDE OF THE STRUCTURE

 ICAST TO INSTALL THE INTERNALS

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

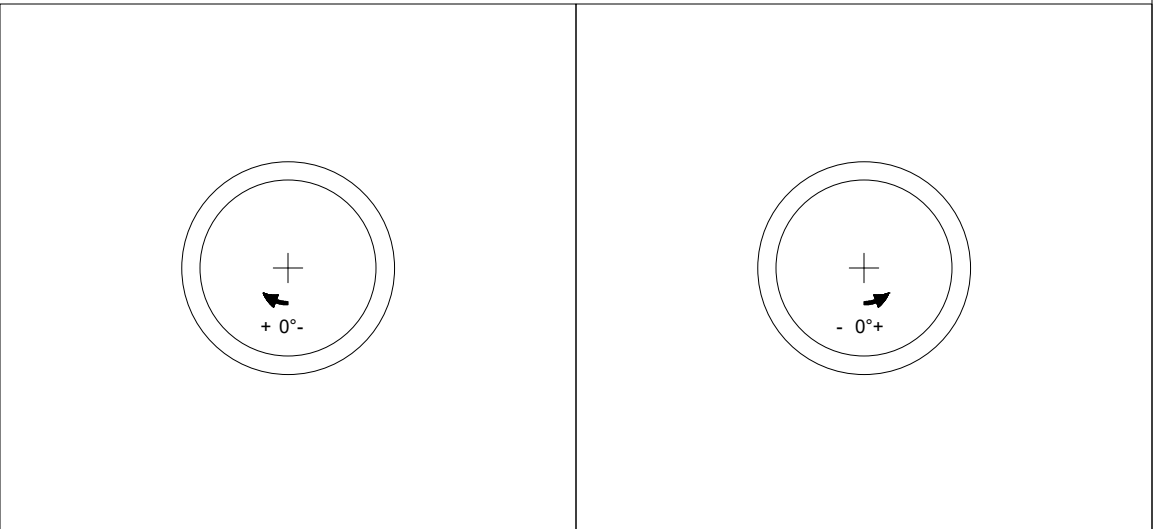
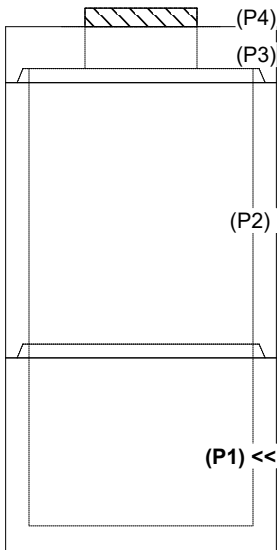
 BASE AND RISER TO BE MECHANICALLY
 ATTACHED PRIOR TO INSTALL OF INTERNALS

Rim: 943.81' Rim to Invert: 5.31' Slack: 0.72" Sump: 48" Step Position:

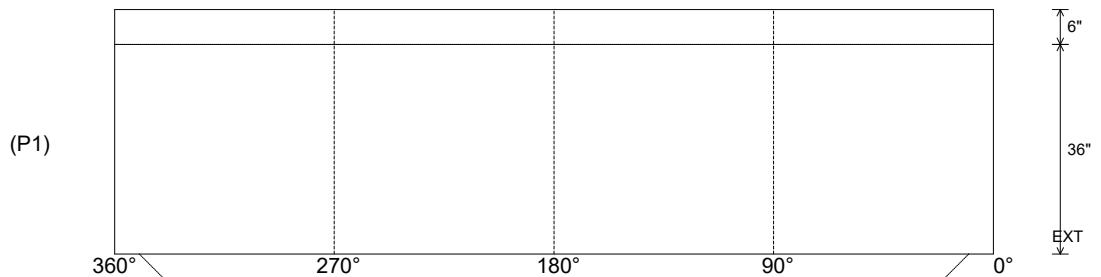
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

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): 3845 lb
 Volume (Net): 0.98cu.yd

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

Plant: Beaver Dam
 5/8/2026 10:35:24 AM

Tech: S. Felletter
 PC: C. Goff



Structure ID: 10-CS-4

P2 MH048RSVF

MH RISER Custom Ht T/G

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

0 lb
 1500 lb
 3924 lb
 3845 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

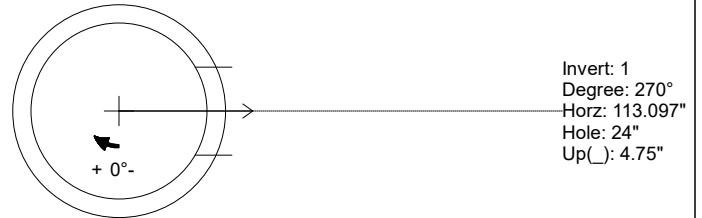
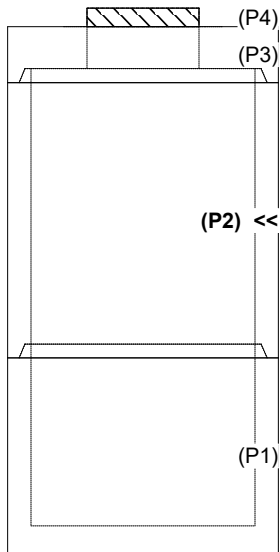
 Structure Total: 9270 lb

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

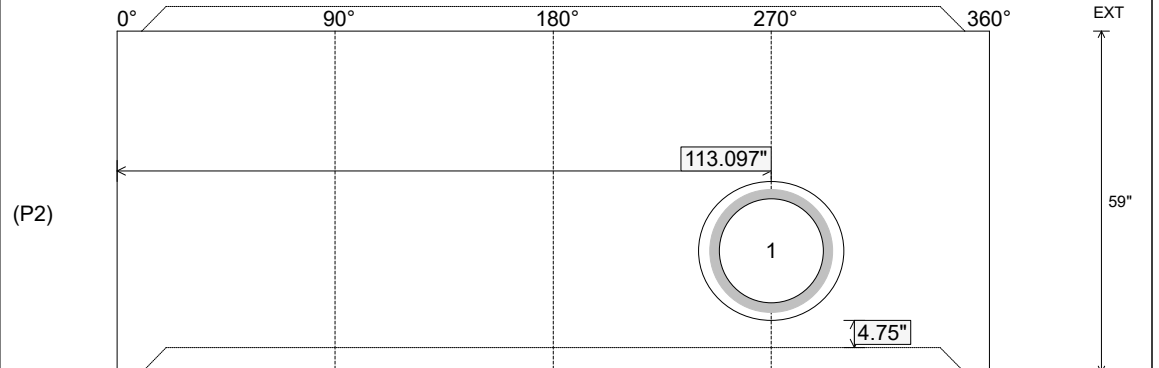
Rim: 943.81' Rim to Invert: 5.31' Slack: 0.72" Sump: 48" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	938.5'	270°	136.659"	18" HDPE	21.2"	Hole 24	24"	25.133"	4.75"	0"
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): 59" Height (Ext): 59"	Weight (Net): 3924 lb Volume (Net): 1cu.yd
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Structure ID: 2 SS-MH

P2 MH048RS60

MH RISER T/G

P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING F/F - 4" P3) 48" - ECC CONE w/ 24" HOLE F/G - 42" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-420 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 10) MH Step ML-10-TDS-NCR - 10"	0 lb 270 lb 3200 lb 4192 lb 2959 lb 0 lb 0 lb 1440 lb 340 lb 0 lb 8 lb 0 lb <hr style="width: 50px; margin-left: auto; margin-right: 0;"/> Structure Total: 12408 lb
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Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-420 F/C "SANITARY").

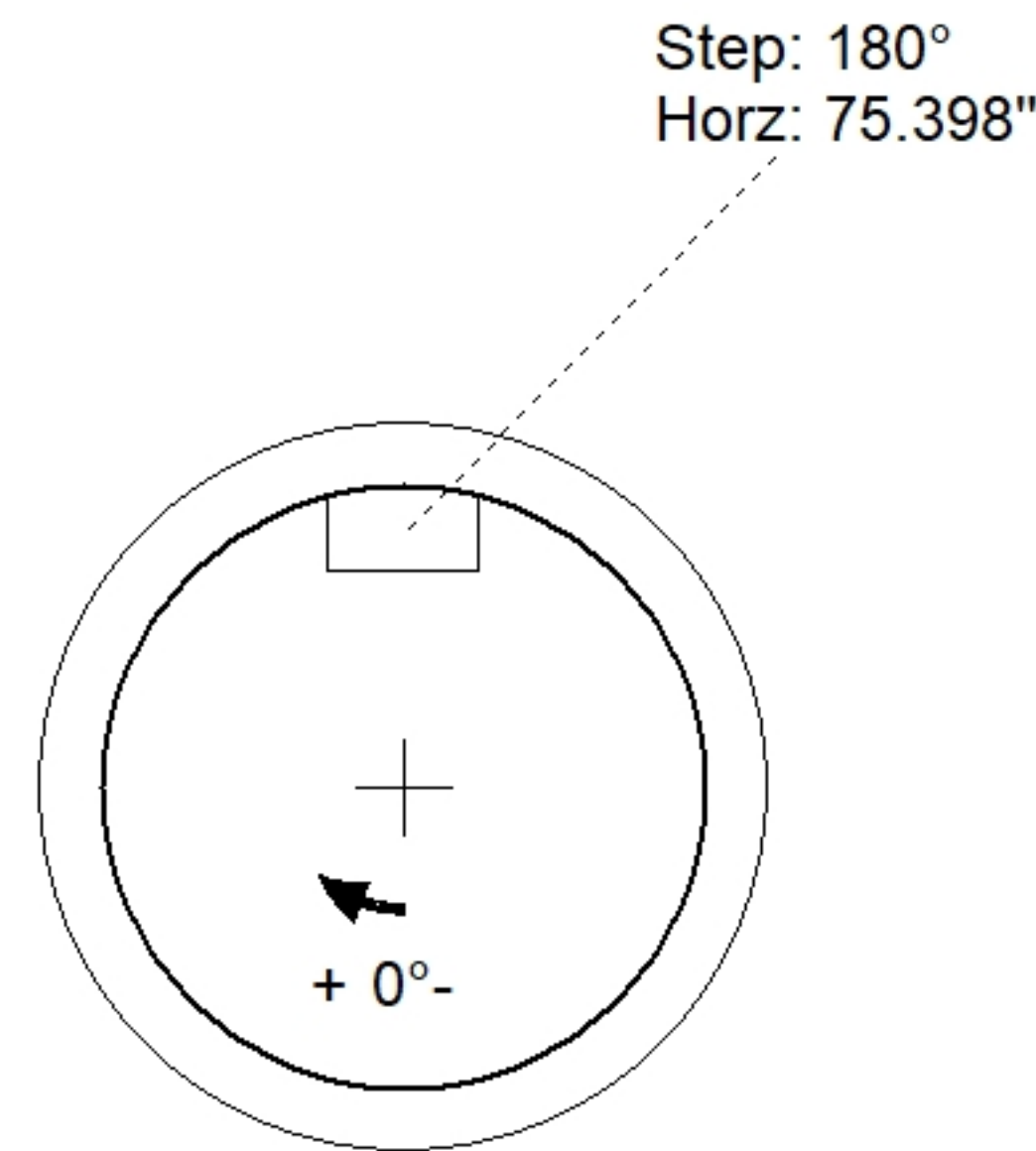
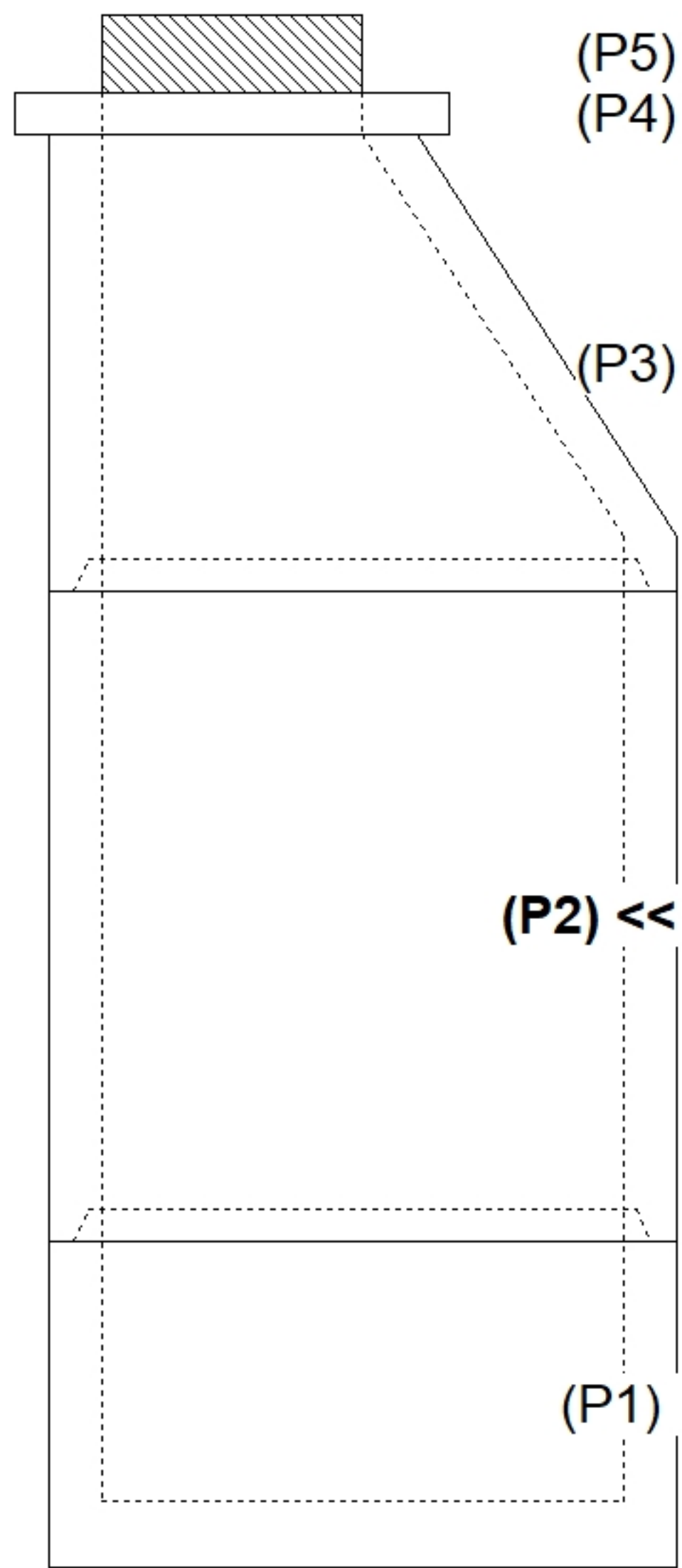
REINFORCING PER ASTM A615 (GRADE 60).

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

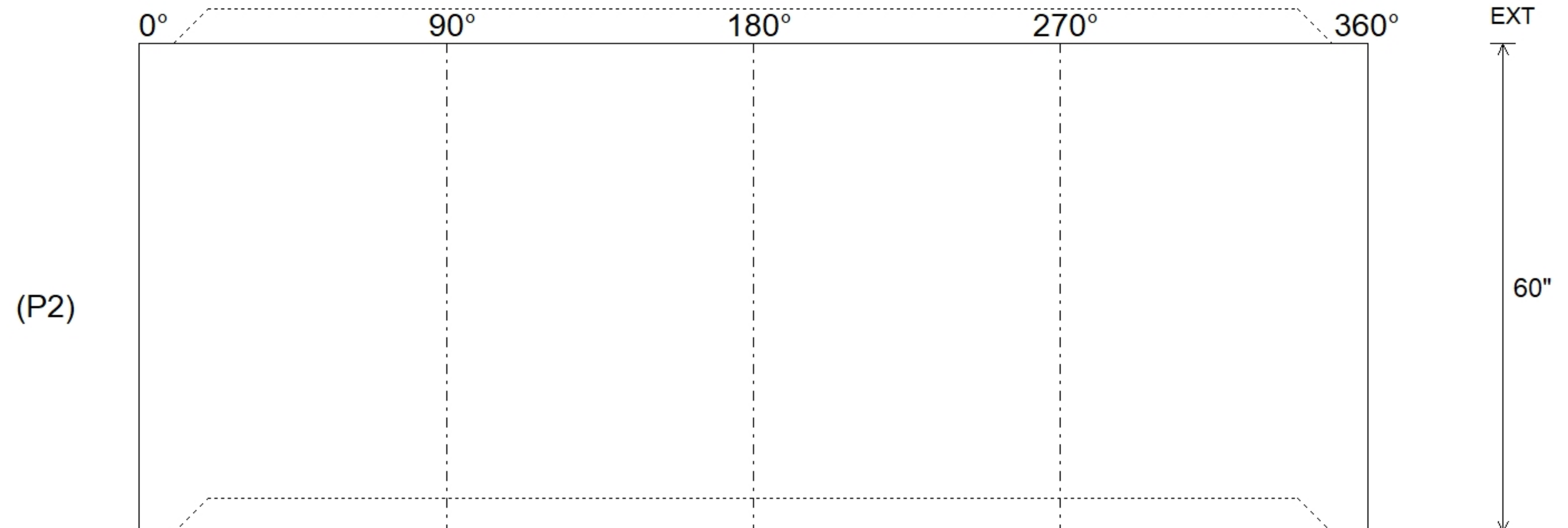
Rim: 745.3' Rim to Invert: 11.37' Slack: 1.44" Sump: 2" Step Position: 180°

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



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

Job Name: 26-1210 Sacramento Gravity Sewer	Plant: Beaver Dam	Tech: S. Felletter	
Job Location: Sacramento, KY Contractor: Scott & Ritter, Inc.	4/24/2026 8:10:26 AM	PC: T. Lewis	

Structure ID: DMH5-32 SS-MH

P2 MH048RS60

MH RISER 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 T/G - 60"	4192 lb
P1) 48" - MH BASE T/n - 24"	2911 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) 48" - MH INVERT CHANNEL - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 DD (DBL Bands)	16 lb
8) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	10109 lb

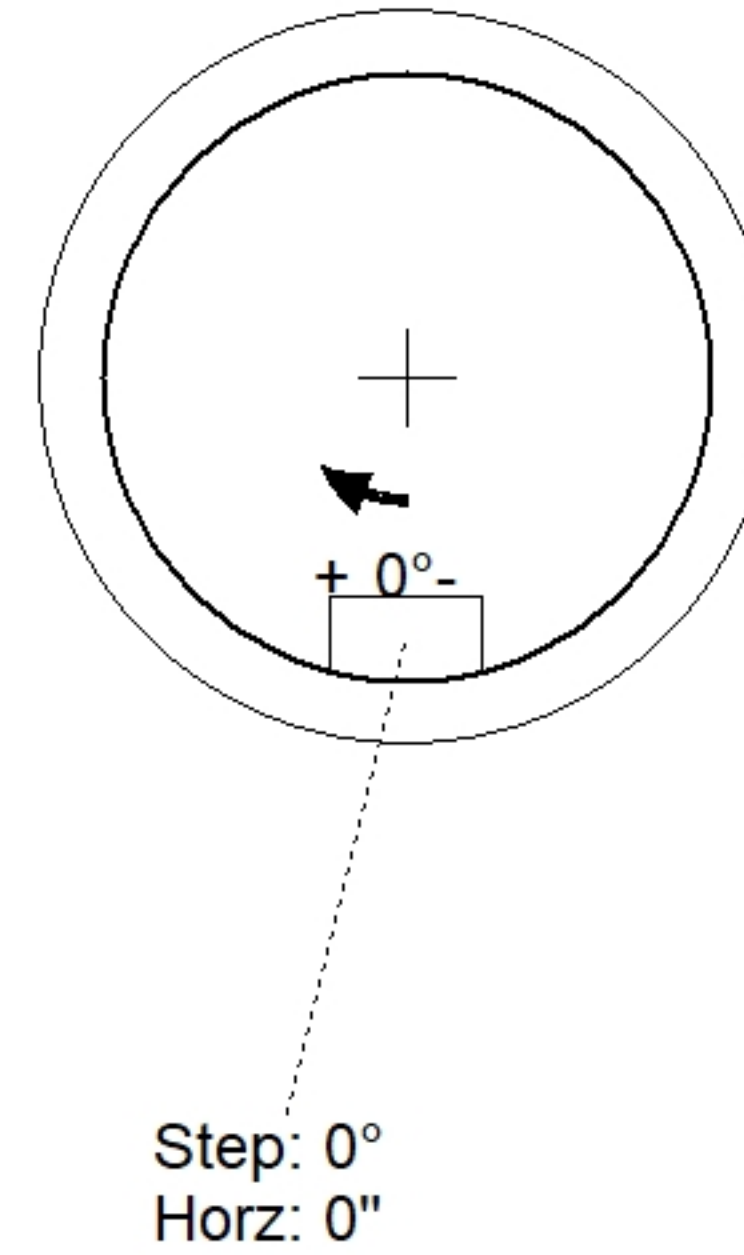
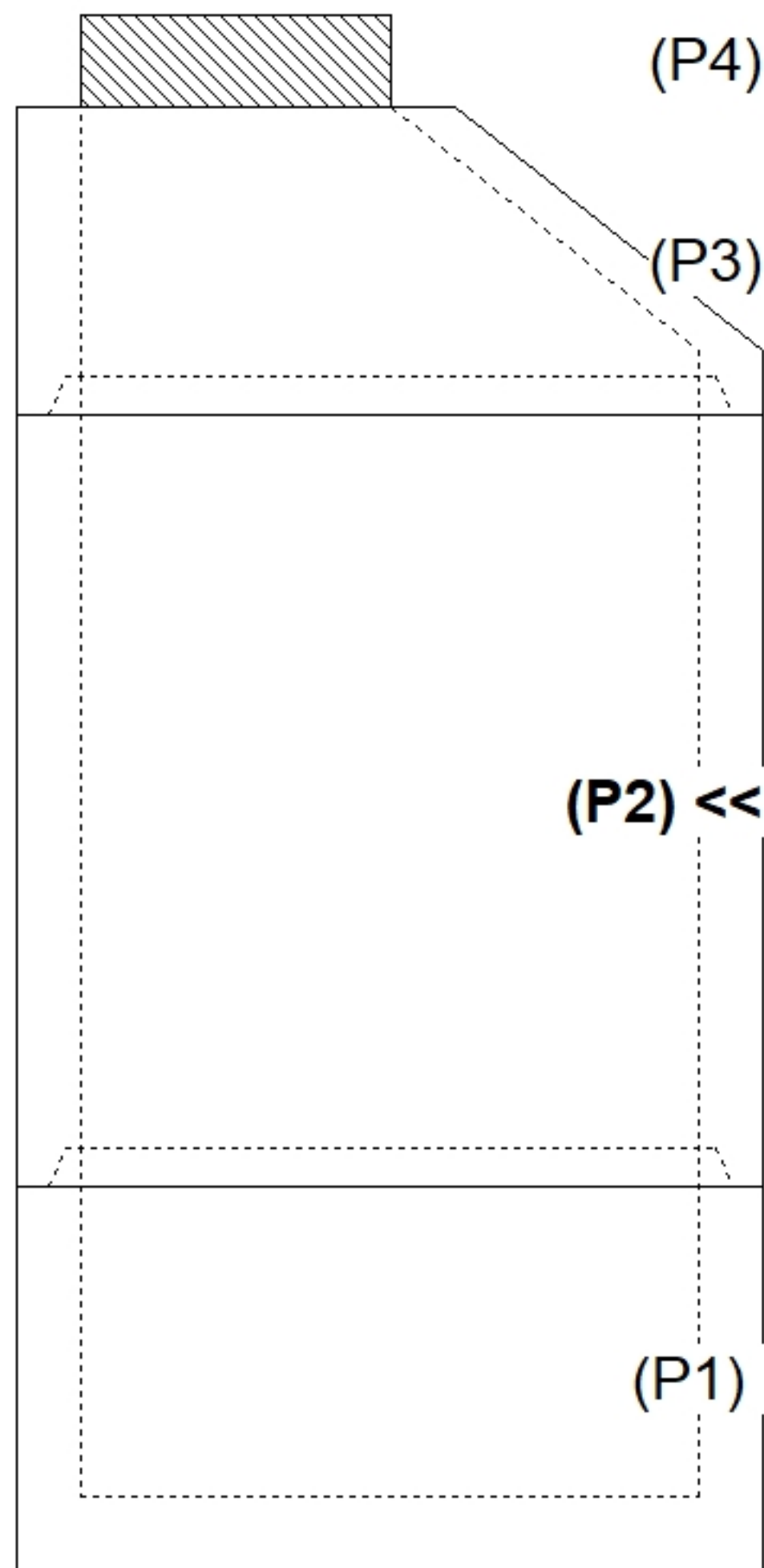
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY OTHERS.

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

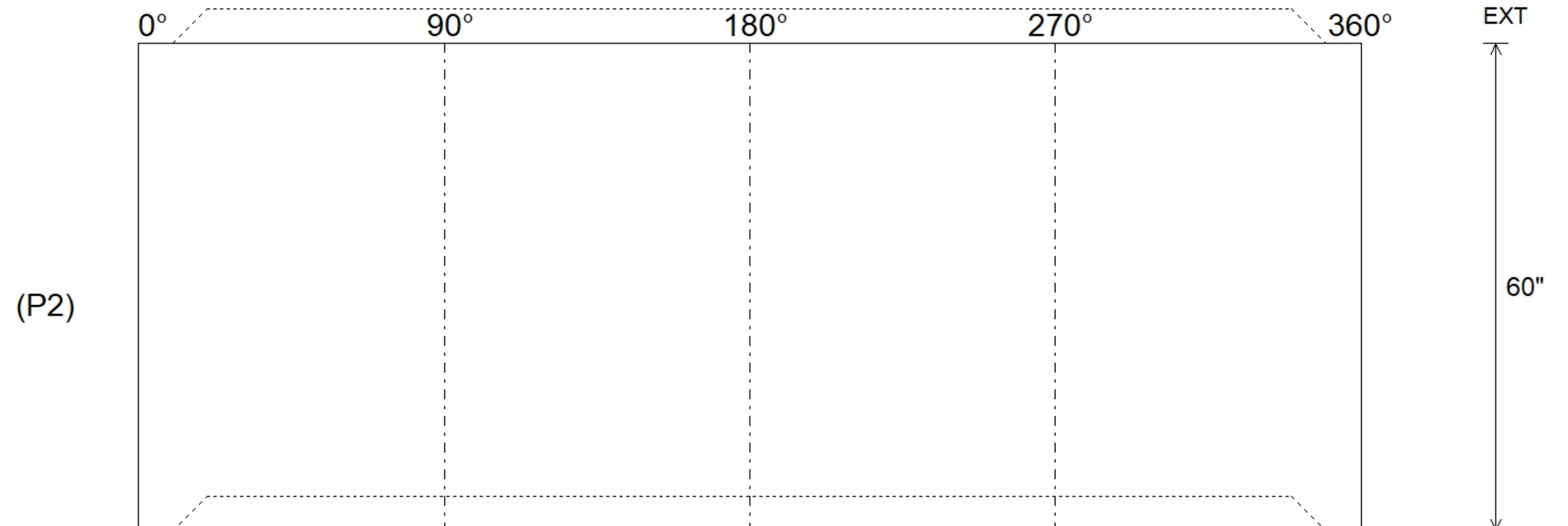
Rim: 483.13' Rim to Invert: 9.62' Slack: 2.44" Sump: 2" Step Position: 0°

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



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

Structure ID: DMH3-30 SS-MH

P2 MH048RS48

MH RISER T/G

P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 DD (DBL Bands) 7) MH Step ML-10-TDS-NCR - 10"	0 lb 1550 lb 3353 lb 2492 lb 0 lb 0 lb 1440 lb 0 lb 16 lb 0 lb ----- Structure Total: 8851 lb
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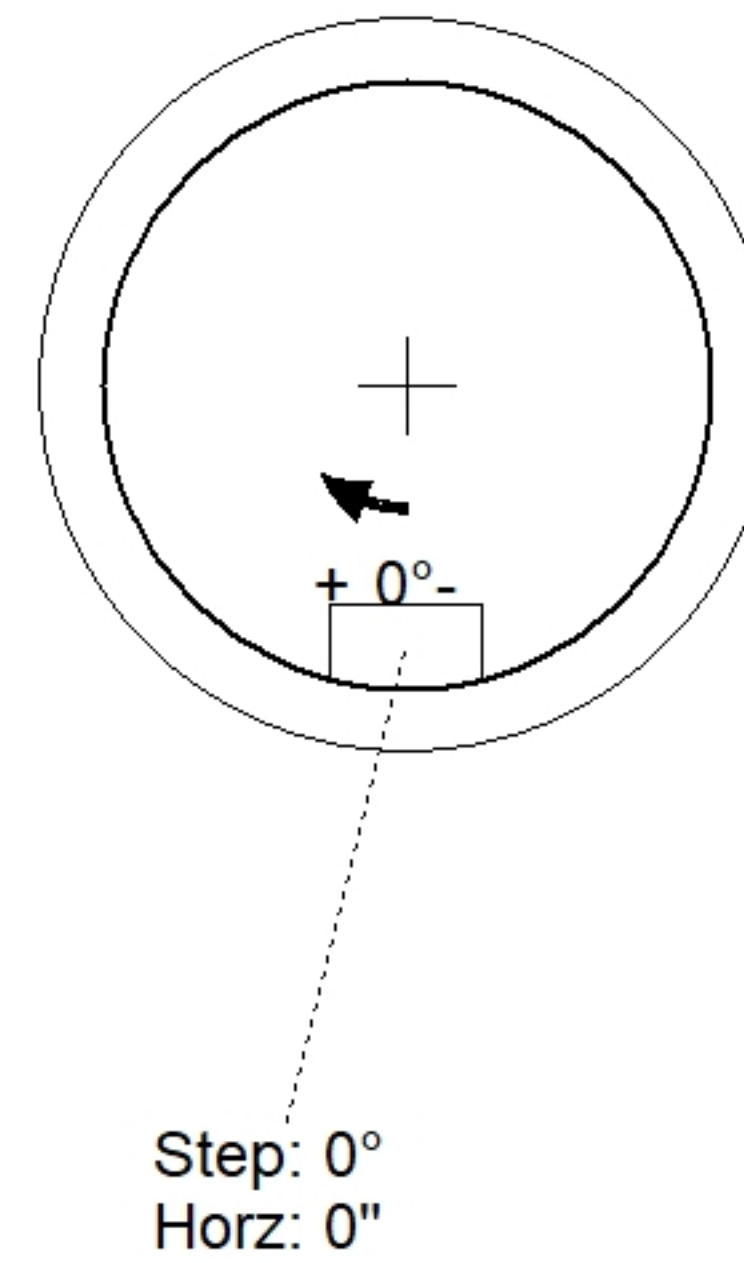
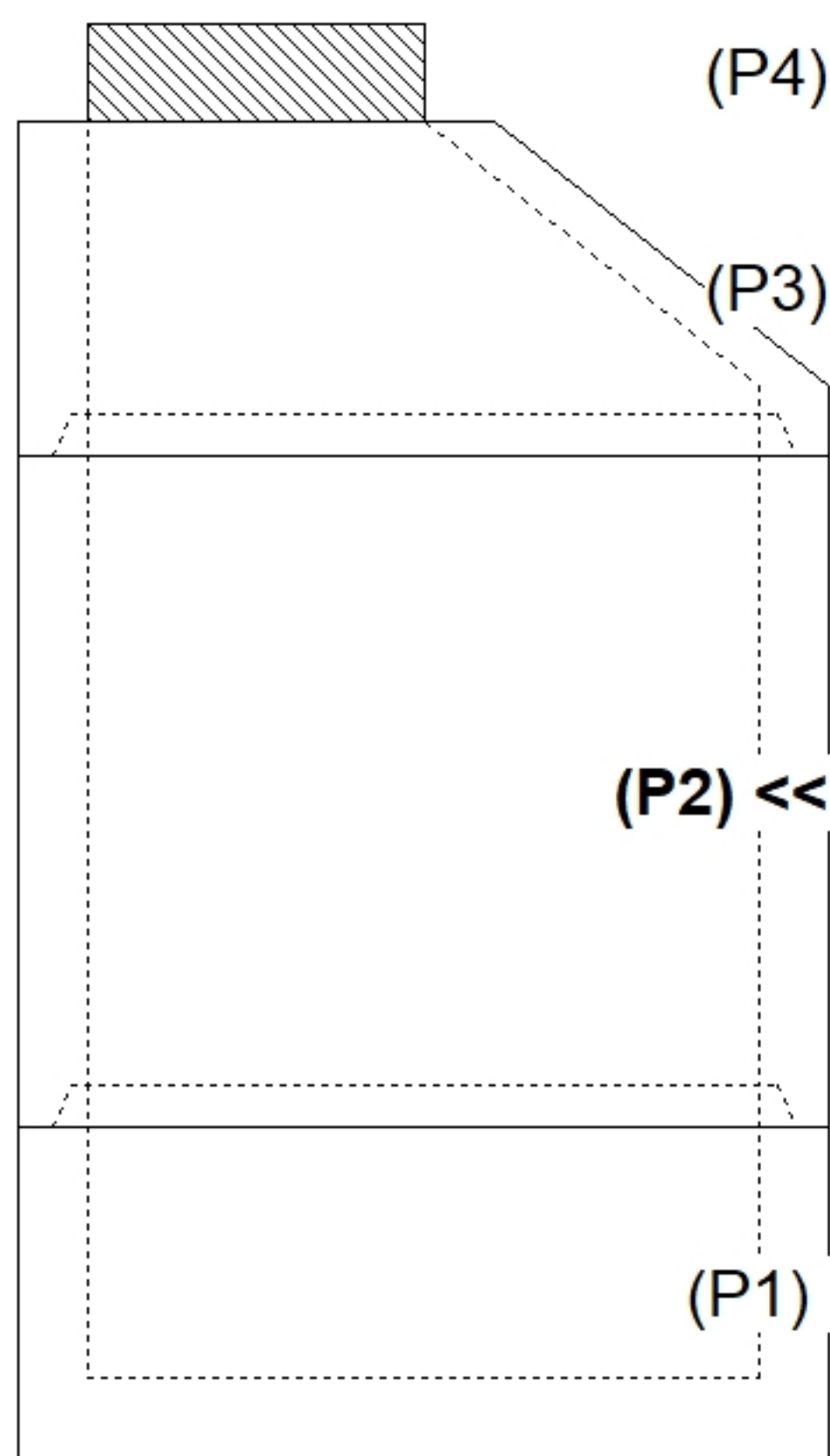
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY OTHERS.

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

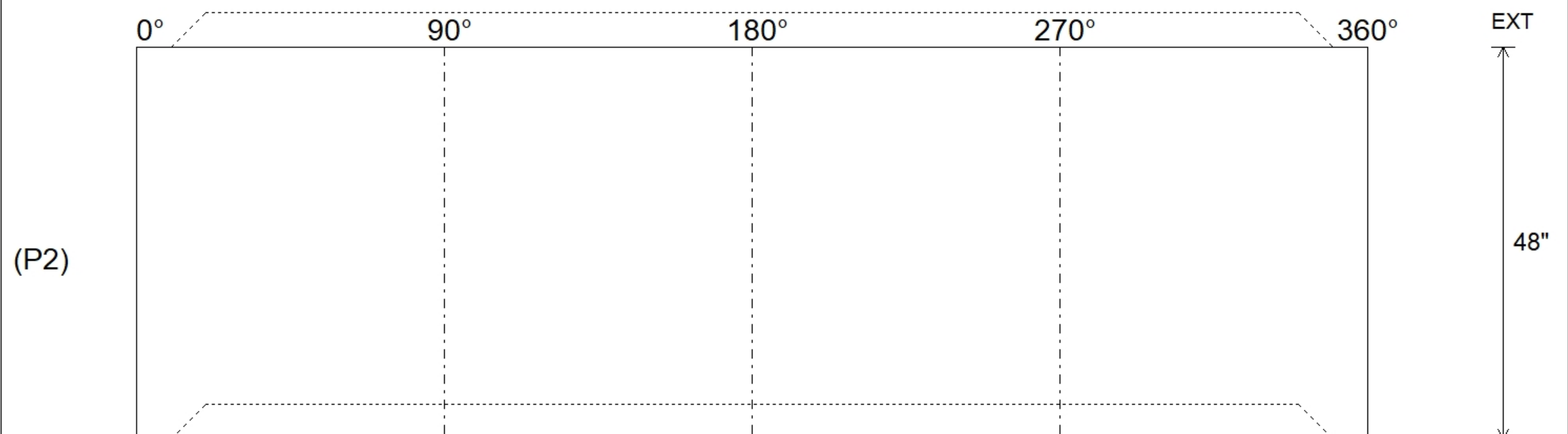
Rim: 480.04' Rim to Invert: 7.93' Slack: 0.16" Sump: 2" Step Position: 0°

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 48" Height (Ext): 48"	Weight (Net): 3353 lb Volume (Net): 0.86cu.yd
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Job Name: 25-1431 - Georgetown Commons
 Job Location: Georgetown, KY
 Contractor: Winwater Hartford KY Co.

Plant: Beaver Dam

4/28/2026 8:55:43 AM

Tech: J. Coppage

PC: A. Chambers



Structure ID: SSMH-196

P1 MH048BA24

MH BASE

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE NO STEP - 30"
- P2) 48" - MH RISER NO STEPS - 48"
- P1) 48" - MH BASE - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 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**

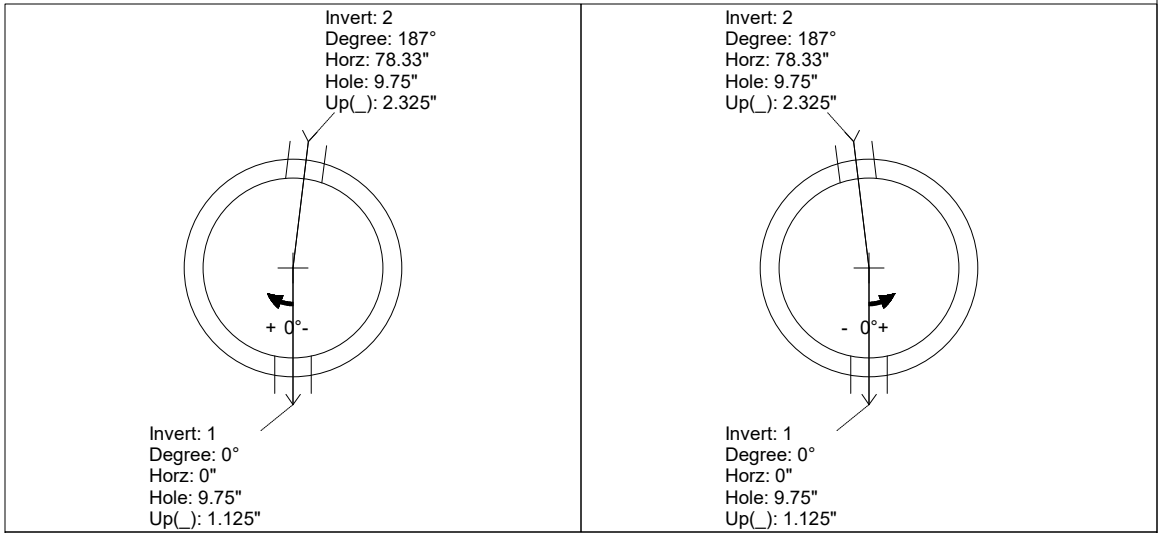
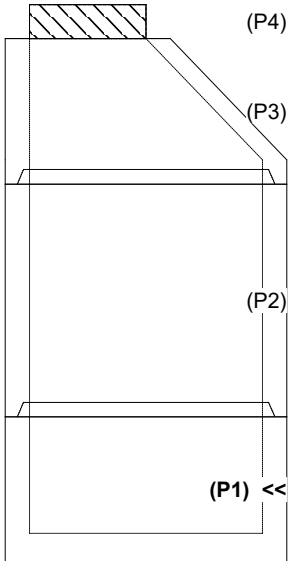
Structure Total: 9789 lb

Rim: 871.98' Rim to Invert: 9.08' Slack: 1.96" Sump: 2" Step Position:

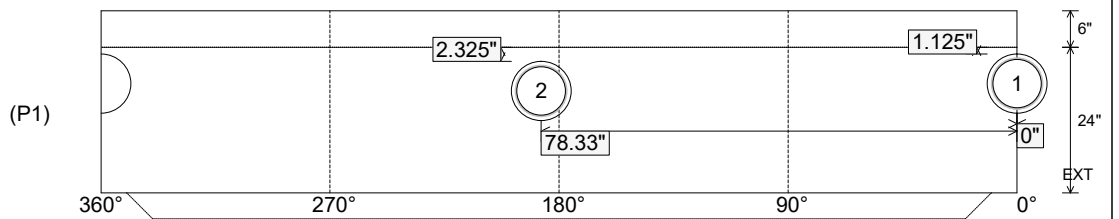
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	862.9'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	863'	187°	94.649"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

Weight (Net): 2944 lb
 Volume (Net): 0.75cu.yd

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

Plant: Beaver Dam

4/28/2026 8:55:43 AM

Tech: J. Coppage

PC: A. Chambers



Structure ID: SSMH-196

P1 MH048BA24

MH BASE

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE NO STEP - 30"
- P2) 48" - MH RISER NO STEPS - 48"
- P1) 48" - MH BASE - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 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: 9789 lb

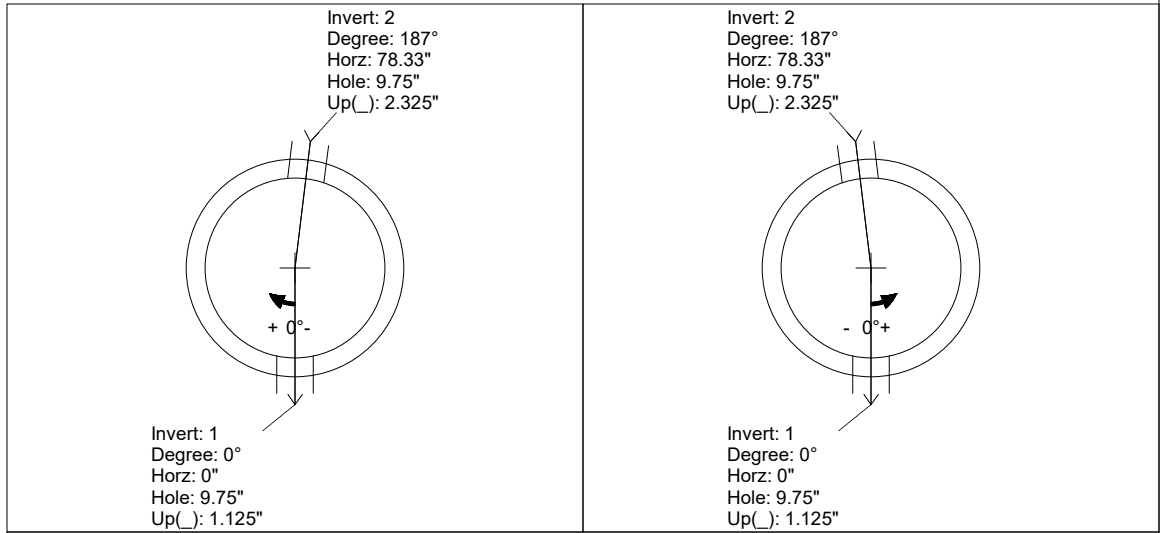
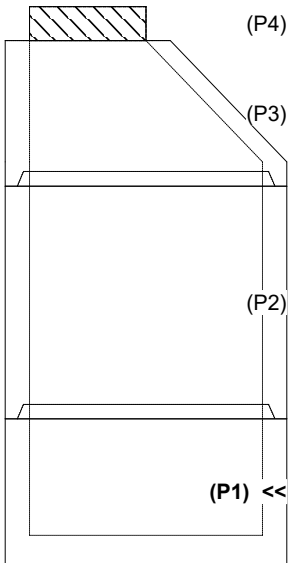
**INVERT CHANNEL DRAWING
 FULL HEIGHT INVERT**

Rim: 871.98' Rim to Invert: 9.08' Slack: 1.96" Sump: 2" Step Position:

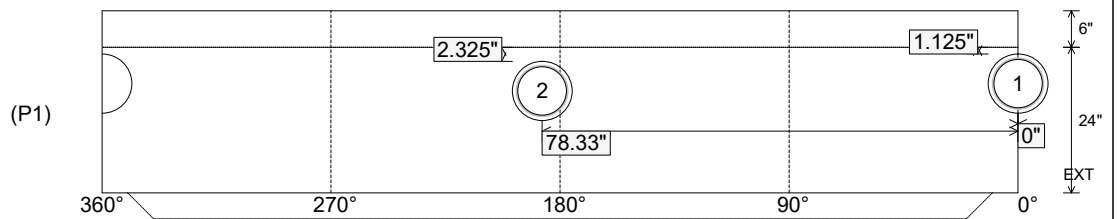
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (")	Offset
Invert 1	862.9'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	863'	187°	94.649"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

Weight (Net): 2944 lb
 Volume (Net): 0.75cu.yd

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

Plant: Beaver Dam
 4/28/2026 8:56:27 AM

Tech: J. Coppage
 PC: A. Chambers



Structure ID: SSMH-196

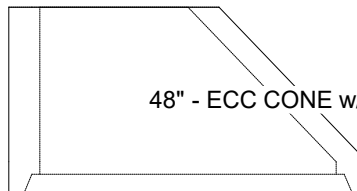
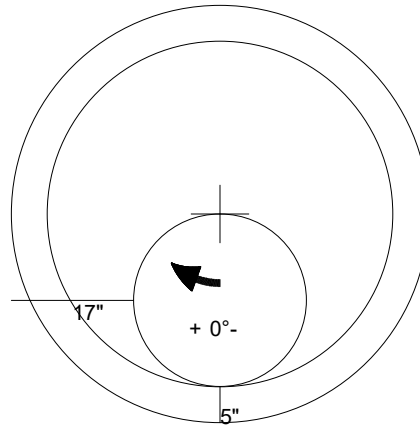
P3 MH048CN30-S

ECC CONE w/ 24" HOLE NO STEP

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

- 0 lb Structure Notes:
- 2050 lb 1. JR HOE MC-375 SELF SEALING SAN BY ICAST
 - 3353 lb 2. PER ASTM C478 SPECIFICATIONS.
 - 2944 lb 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 - 0 lb 4. REINFORCING PER ASTM A615 (GRADE 60).
 - 0 lb - CONE (As .12)
 - 1440 lb - RISER/WALLS (As .12)
 - 0 lb - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
 - 2 lb
 -
 - 9789 lb 5. **NO STEPS**

Structure Total:



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

Plant: Beaver Dam
 4/23/2026 8:35:44 AM

Tech: S. Felletter
 PC: T. Lewis



Structure ID: C1MH1-26 SS-MH

P1 MH048BA36

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 42"
- P1) 48" - MH BASE T/n - 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
- 1) 48" - Conseal CS-102 1.00" (Double)
- 3) PSX - 12-08 DD (DBL Bands)
- 6) MH Step ML-10-TDS-NCR - 10"

0 lb
 3200 lb
 3701 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 24 lb
 0 lb

 Structure Total: 8365 lb

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

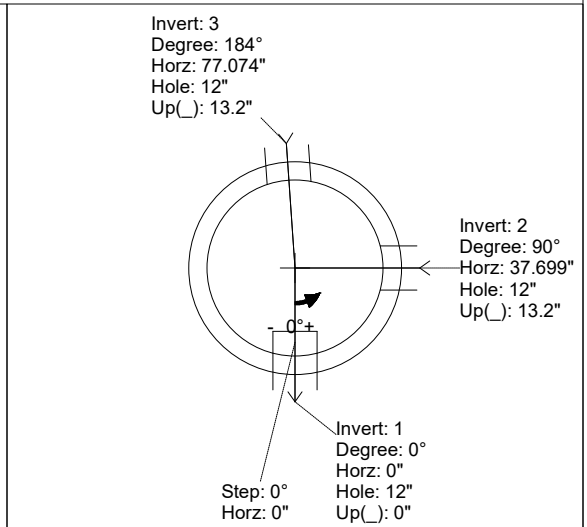
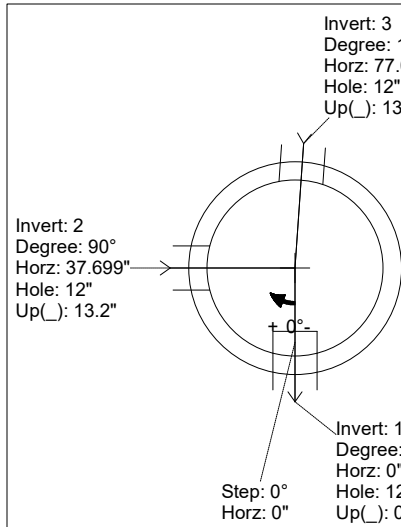
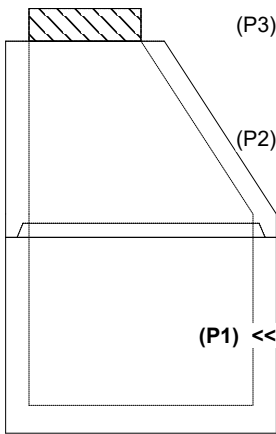
 REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 497' Rim to Invert: 6.99' Slack: 0.88' Sump: 2" Step Position: 0°

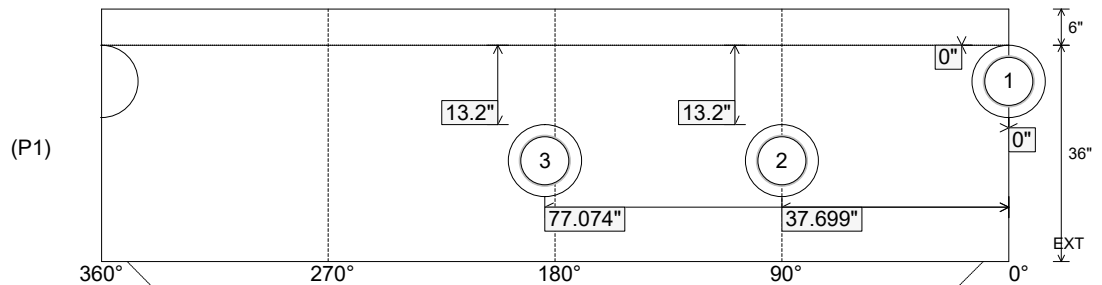
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	490.01'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	491.11'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	13.2"	0"
Invert 3	491.11'	184°	93.131"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	13.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 36"
 Height (Ext): 42"

Weight (Net): 3701 lb
 Volume (Net): 0.94cu.yd

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

Plant: Beaver Dam
 4/23/2026 8:35:44 AM

Tech: S. Felletter
 PC: T. Lewis



Structure ID: C1MH1-26 SS-MH

P1 MH048BA36

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 42"
- P1) 48" - MH BASE T/n - 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
- 1) 48" - Conseal CS-102 1.00" (Double)
- 3) PSX - 12-08 DD (DBL Bands)
- 6) MH Step ML-10-TDS-NCR - 10"

0 lb
 3200 lb
 3701 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 24 lb
 0 lb

 Structure Total: 8365 lb

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

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

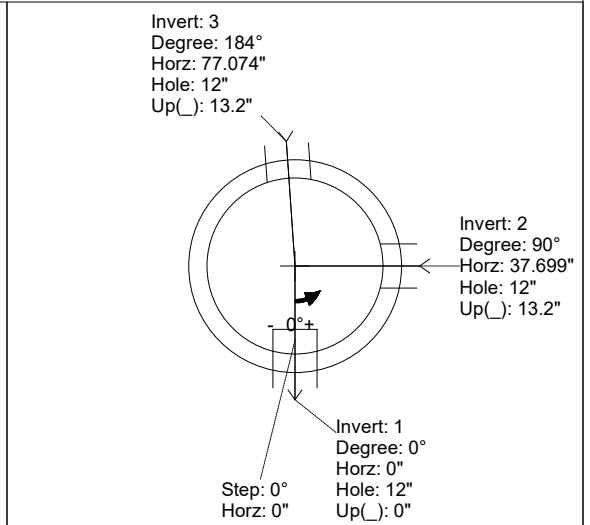
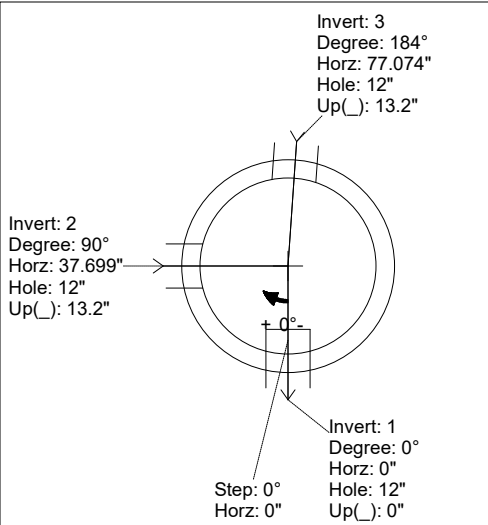
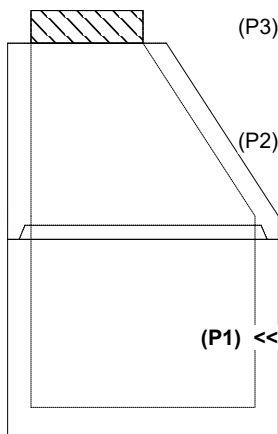
Invert channel drawing - full height invert

Rim: 497' Rim to Invert: 6.99' Slack: 0.88" Sump: 2" Step Position: 0°

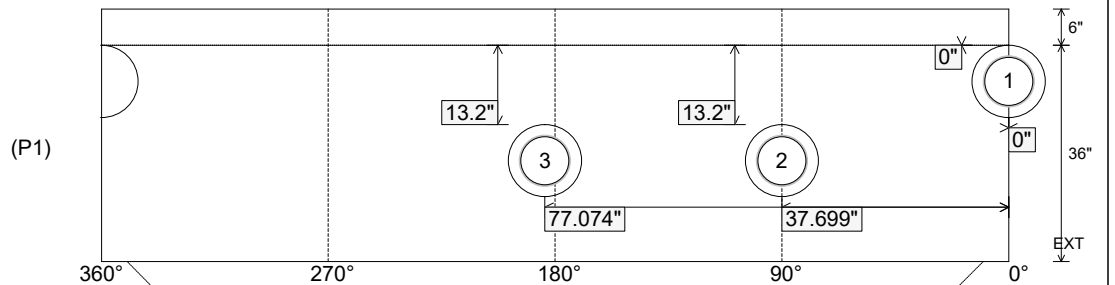
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	490.01'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	491.11'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	13.2"	0"
Invert 3	491.11'	184°	93.131"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	13.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 36"
 Height (Ext): 42"

Weight (Net): 3701 lb
 Volume (Net): 0.94cu.yd

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

Plant: Beaver Dam
 4/23/2026 8:35:45 AM

Tech: S. Felletter
 PC: T. Lewis



Structure ID: C1MH2-27 SS-MH

P1 MH048BA30

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7" 0 lb
 - P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" 3000 lb
 - P1) 48" - MH BASE T/n - 30" 3330 lb
 - 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 0 lb
 - 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
 - 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1440 lb
 - 1) 48" - Conseal CS-102 1.00" (Double) 0 lb
 - 1) PSX - 12-08 DD (DBL Bands) 8 lb
 - 1) PSX - 12-06 DD (DBL Bands) 8 lb
 - 5) MH Step ML-10-TDS-NCR - 10" 0 lb
- Structure Total: 7786 lb

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

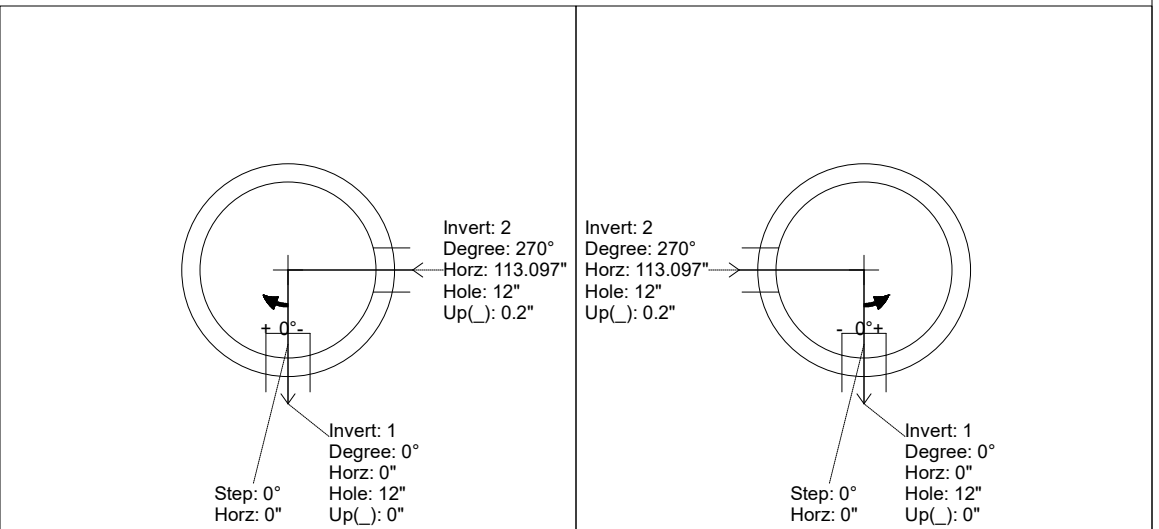
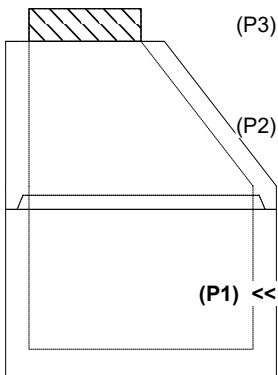
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 498' Rim to Invert: 5.99' Slack: 0.88" Sump: 2" Step Position: 0°

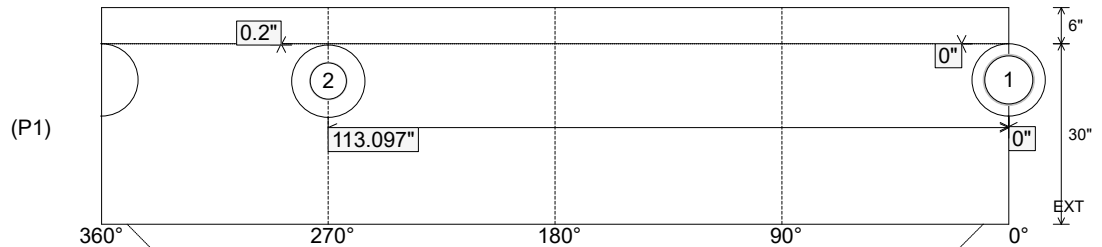
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	492.01'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	492.11'	270°	136.659"	6" PVC SDR35	6.25"	PSX 12-06 DD (DBL Bands)	12"	12.129"	0.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
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Job Name: 26-1210 Sacramento Gravity Sewer
 Job Location: Sacramento, KY
 Contractor: Scott & Ritter, Inc.

Plant: Beaver Dam
 4/23/2026 8:35:45 AM

Tech: S. Felletter
 PC: T. Lewis



Structure ID: C1MH2-27 SS-MH

P1 MH048BA30

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7" 0 lb
 - P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" 3000 lb
 - P1) 48" - MH BASE T/n - 30" 3330 lb
 - 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 0 lb
 - 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
 - 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1440 lb
 - 1) 48" - Conseal CS-102 1.00" (Double) 0 lb
 - 1) PSX - 12-08 DD (DBL Bands) 8 lb
 - 1) PSX - 12-06 DD (DBL Bands) 8 lb
 - 5) MH Step ML-10-TDS-NCR - 10" 0 lb
- Structure Total: 7786 lb

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

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

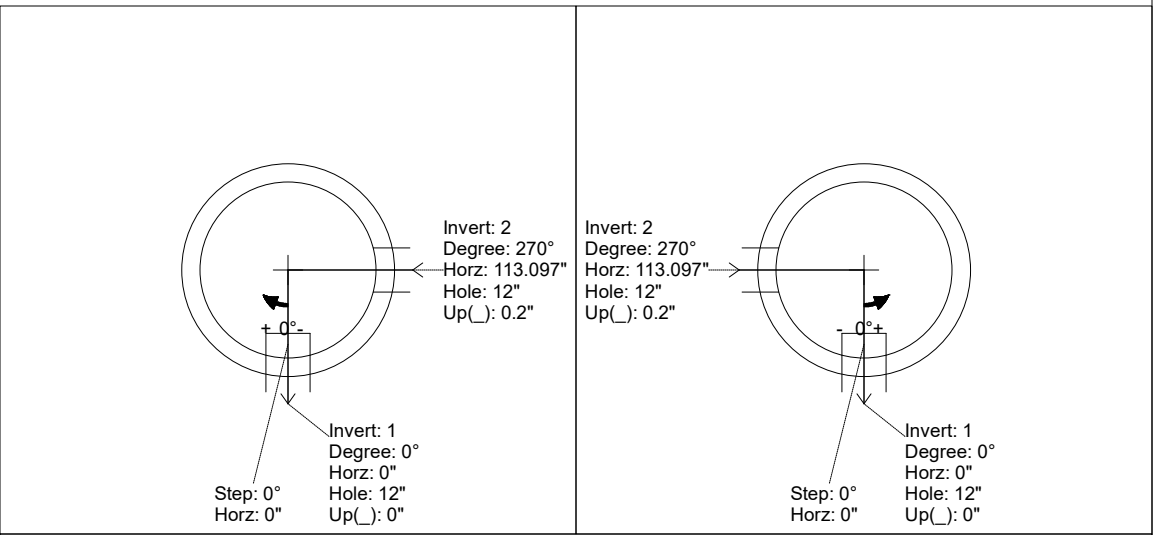
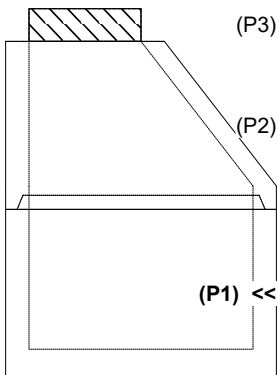
Invert channel drawing - full height invert

Rim: 498' Rim to Invert: 5.99' Slack: 0.88" Sump: 2" Step Position: 0°

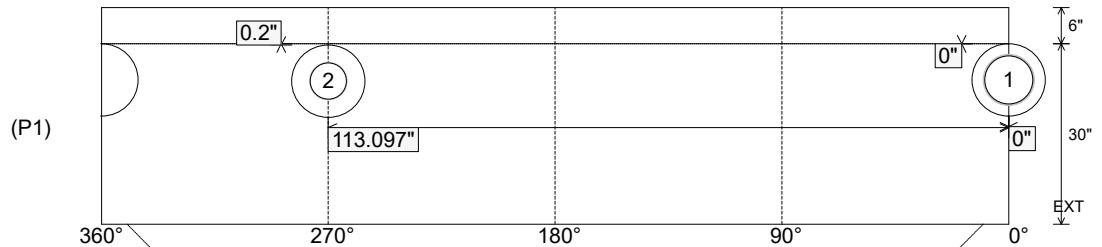
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	492.01'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD (DBL Bands)	12"	12.129"	0"	0"
Invert 2	492.11'	270°	136.659"	6" PVC SDR35	6.25"	PSX 12-06 DD (DBL Bands)	12"	12.129"	0.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

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

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

Plant: 100
 4/21/2026 8:03:31 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSMH A-1-48 SS-MH

P1 MH048BA30

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7" 0 lb
 - P3) 24" - GRADE RING F/F - 4" 270 lb
 - P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" 3200 lb
 - P1) 48" - MH BASE T/n - 30" 3330 lb
 - 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 0 lb
 - 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
 - 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1440 lb
 - 1) CASTING - HOE MC-375 F/C Sanitary 271 lb
 - 1) 48" - Conseal CS-102 1.00" (Double) 0 lb
 - 1) PSX - 12-08 NYLO 8 lb
 - 1) PSX - 12-06 NYLO 8 lb
 - 6) MH Step ML-10-TDS-NCR - 10" 0 lb
- Structure Total: 8527 lb

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

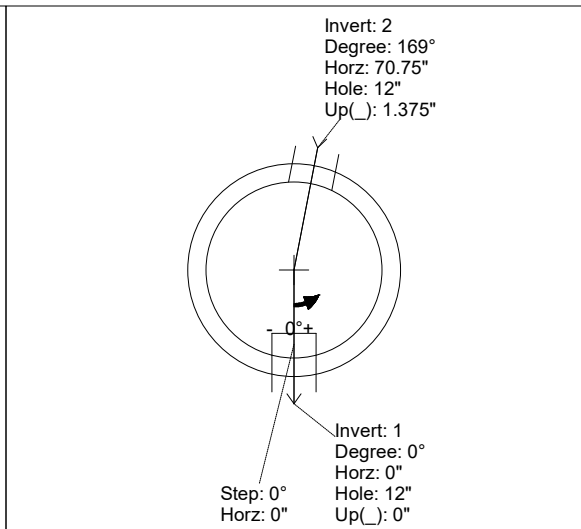
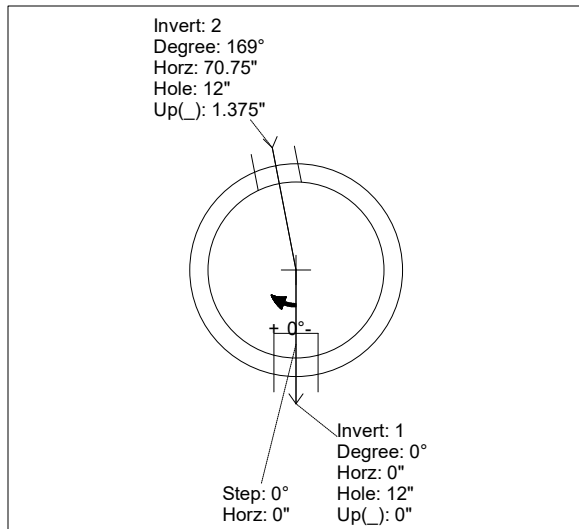
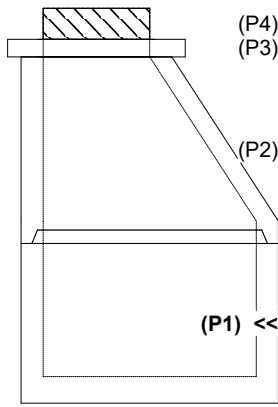
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 376.75' Rim to Invert: 6.75' Slack: 0" Sump: 2" Step Position: 0"

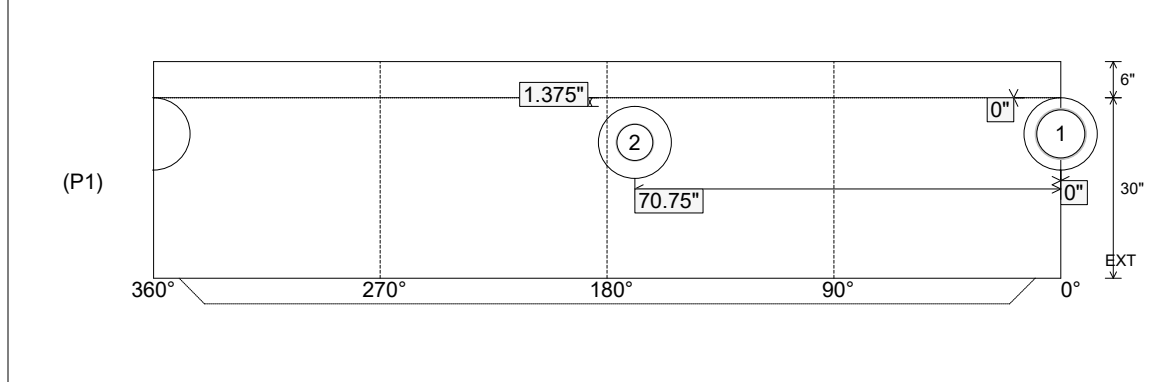
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	370'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	370.2'	169°	85.5"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



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

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

Plant: 100
 4/21/2026 8:03:31 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSMH A-1-48 SS-MH

P1 MH048BA30

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
- P3) 24" - GRADE RING F/F - 4"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 42"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-375 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12-08 NYLO
- 1) PSX - 12-06 NYLO
- 6) MH Step ML-10-TDS-NCR - 10"

0 lb
 270 lb
 3200 lb
 3330 lb
 0 lb
 0 lb
 1440 lb
 271 lb
 0 lb
 8 lb
 8 lb
 0 lb

 Structure Total: 8527 lb

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

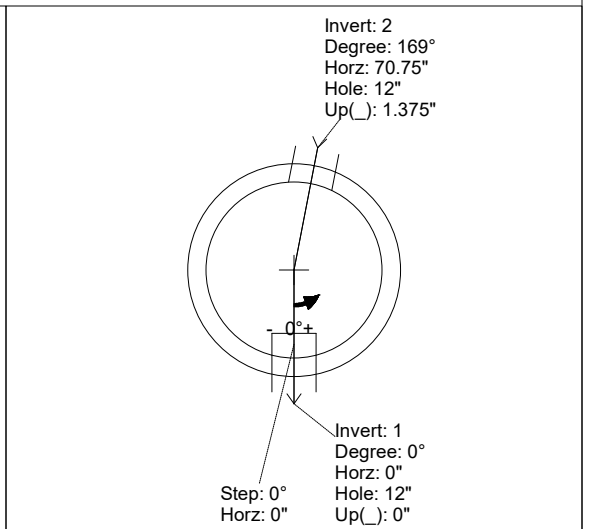
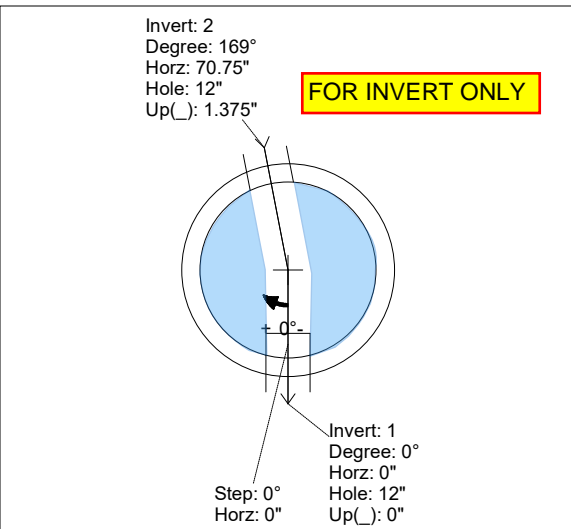
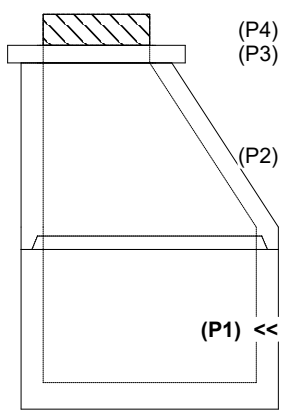
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 376.75' Rim to Invert: 6.75' Slack: 0" Sump: 2" Step Position: 0"

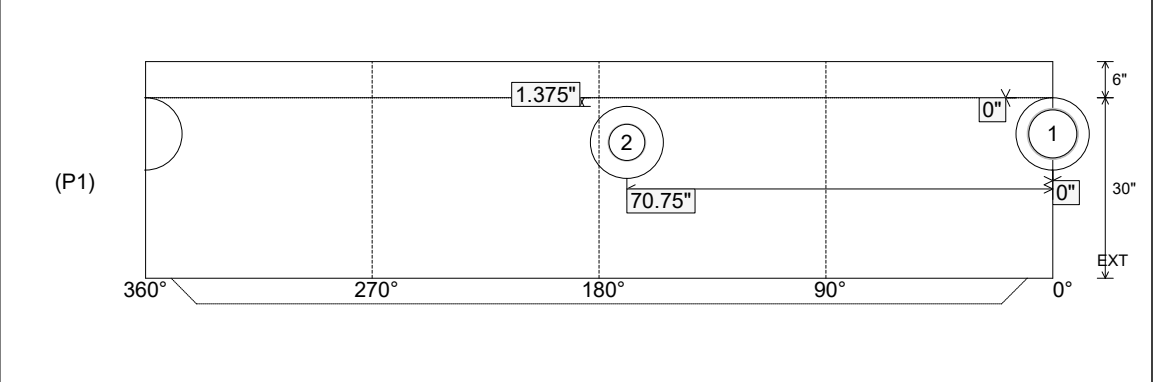
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	370'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	370.2'	169°	85.5"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	1.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



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

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

Plant: 100

Tech: Jared - F

4/21/2026 8:03:20 PM

PC: T. Lewis



Structure ID: S32-32 ST-DBI

P1 MH048BA54

MH BASE T/n

- P3) 24" x 24" - CASTING HEIGHT - 0"
- P2) 48" - MH FLAT TOP w/24"x24" Hole F/G - 12"
- P1) 48" - MH BASE T/n - 54"
- 1) CASTING - HOE HOE-315 ANGLE F/G
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 24
- 1) Hole - 14
- 1) Hole - 20

0 lb
 1500 lb
 4705 lb
 258 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 6463 lb

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

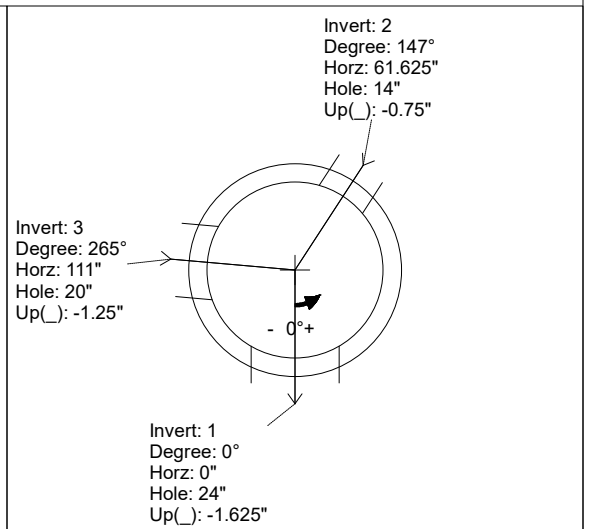
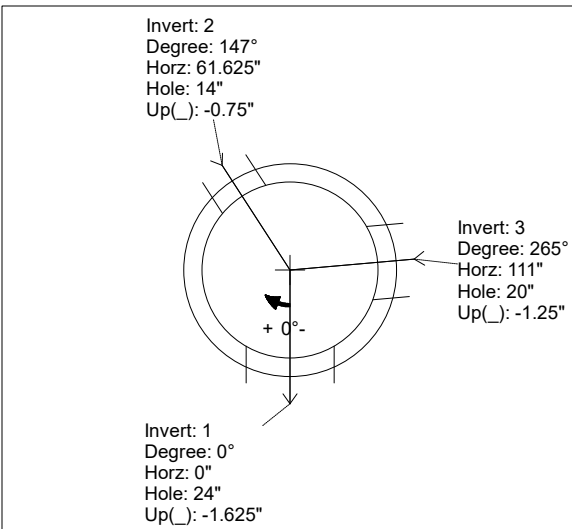
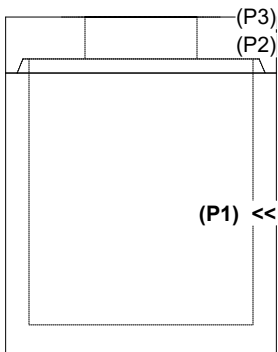
 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 384.15' Rim to Invert: 5.57' Slack: 0.84" Sump: 0" Step Position:

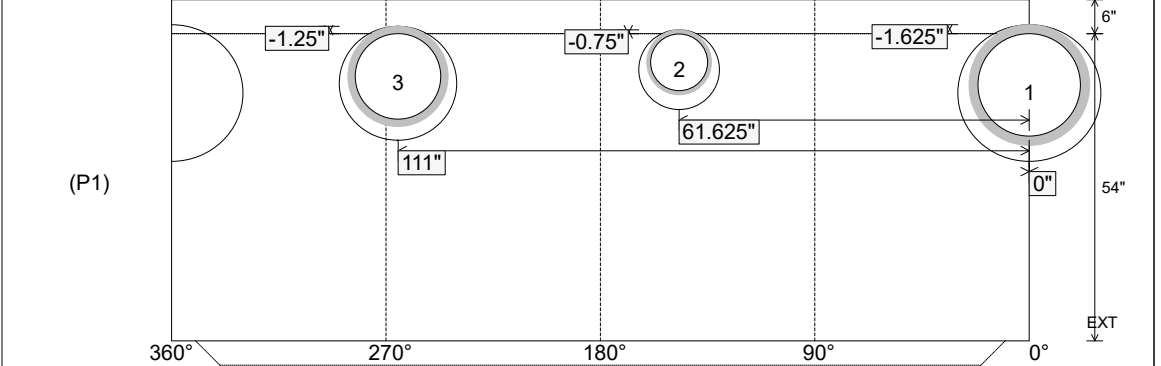
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	378.58'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.625"	0"
Invert 2	378.58'	147°	74.375"	10" HDPE	11.4"	Hole 14	14"	14.207"	-0.75"	0"
Invert 3	378.58'	265°	134.125"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.25"	0"
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): 54"
 Height (Ext): 60"

Weight (Net): 4705 lb
 Volume (Net): 1.2cu.yd

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

Plant: 100

4/24/2026 1:55:54 PM

Tech: Jared - F

PC: T. Lewis



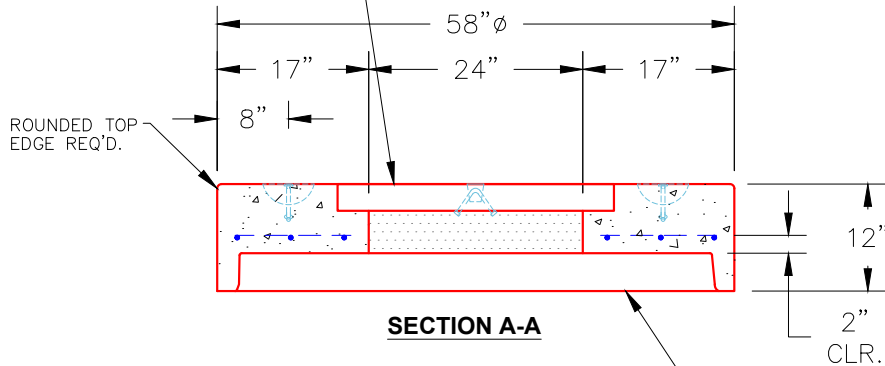
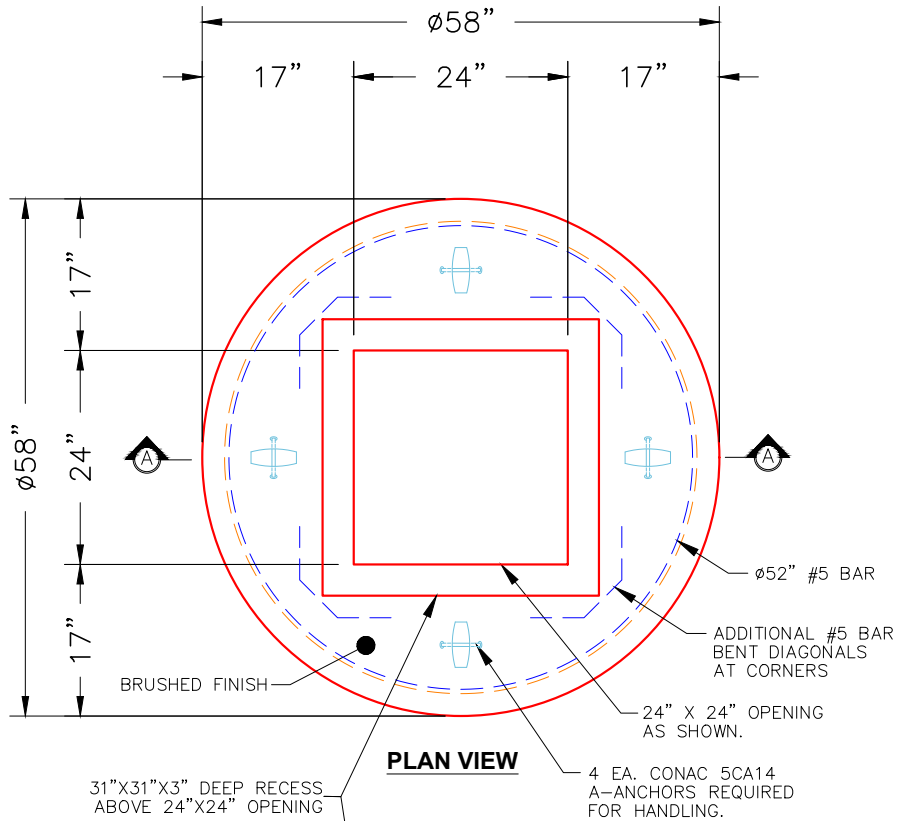
Structure ID: S32-32 ST-DBI

P2 MH048LD12S

MH FLAT TOP SPECIAL

- P3) CASTING HEIGHT - 0"
- P2) 48" - MH FLAT TOP SPECIAL - 12"
- P1) 48" - MH BASE - 54"
- 1) CASTING - HOE HOE-315 ANGLE F/G
- 1) 48" - Conseal CS-102 1.00"
- 1) Hole - 24
- 1) Hole - 14
- 1) Hole - 20

0 lb Structure Notes:
 2660 lb 1. PER ASTM C478 SPECIFICATIONS.
 4705 lb 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 258 lb 3. NO STEPS AND NO INVERT CHANNEL.
 0 lb 4. CASTING BY ICAST (HOE-315 ANGLE F/G).
 0 lb
 0 lb REINFORCING PER ASTM A615 (GRADE 60).
 0 lb - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 Structure Total: 7623 lb - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

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

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 12"	Weight (Net): 2660 lb Volume (Net): 0.68cu.yd
----------------------------------	----------------------------------	--------------------	-------------------	--

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

Plant: 100

4/24/2026 1:55:53 PM

Tech: Jared - F

PC: T. Lewis



Structure ID: S30-30 ST-DBI

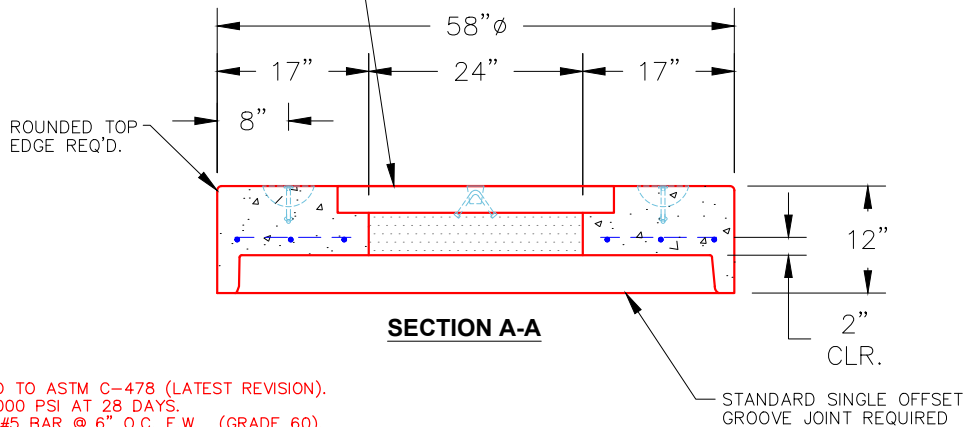
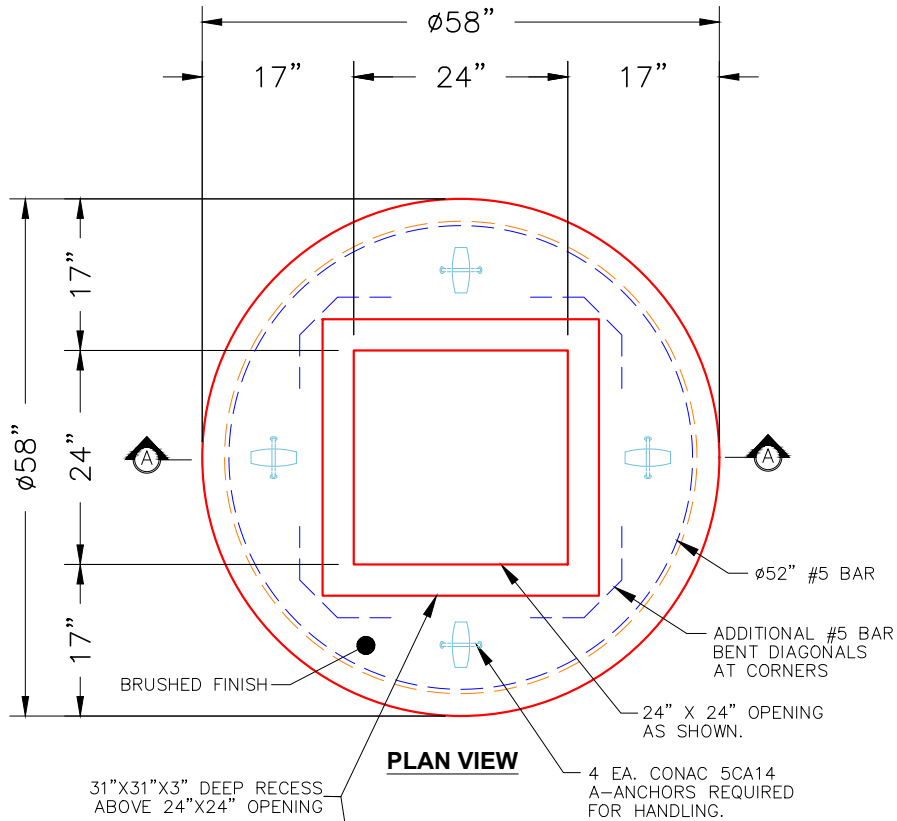
P2 MH048LD12S

MH FLAT TOP SPECIAL

- P3) CASTING HEIGHT - 0"
- P2) 48" - MH FLAT TOP SPECIAL - 12"
- P1) 48" - MH BASE Custom Ht - 50"
- 1) CASTING - HOE HOE-315 ANGLE F/G
- 1) 48" - Conseal CS-102 1.00"
- 2) Hole - 24
- 1) Hole - 14

- 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-315 ANGLE F/G).
- REINFORCING PER ASTM A615 (GRADE 60).**
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

	0 lb
	2660 lb
	4363 lb
	258 lb
	0 lb
	0 lb
	0 lb
Structure Total:	7282 lb



- 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): 2660 lb Volume (Net): 0.68cu.yd
----------------------------------	----------------------------------	--------------------	-------------------	--

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

Plant: 100

4/24/2026 1:55:52 PM

Tech: Jared - F

PC: T. Lewis



Structure ID: S25-25 ST-DBI

P2 MH048LD12S

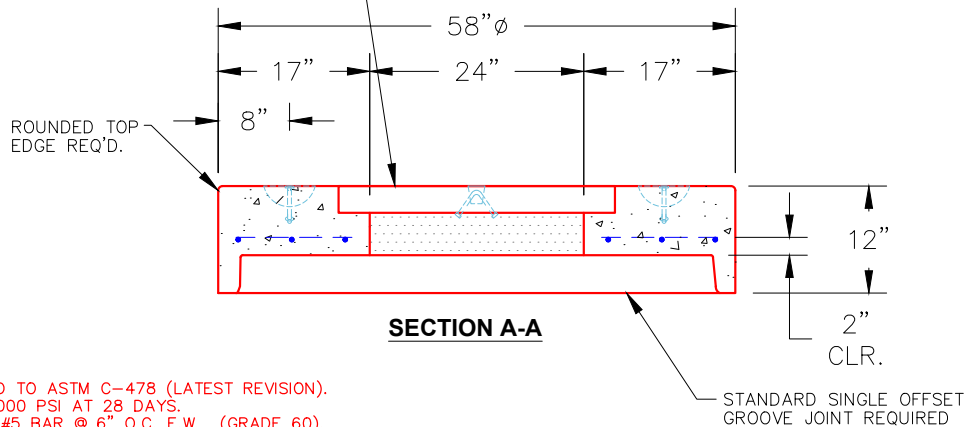
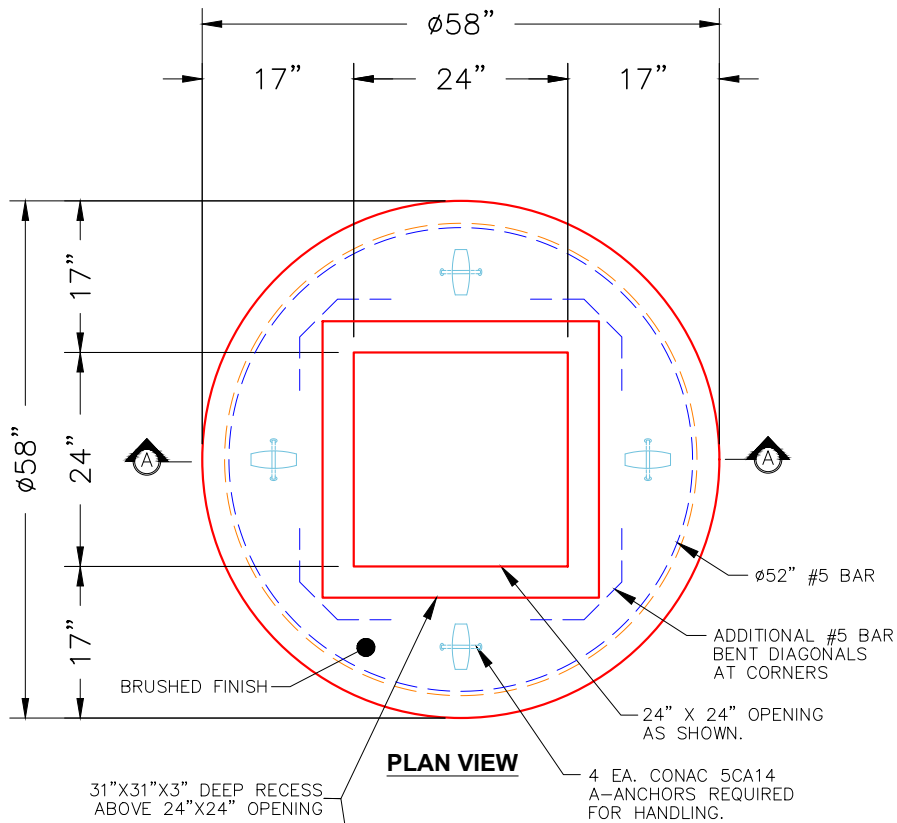
MH FLAT TOP SPECIAL

- P3) CASTING HEIGHT - 0"
- P2) 48" - MH FLAT TOP SPECIAL - 12"
- P1) 48" - MH BASE - 42"
- 1) CASTING - HOE HOE-315 ANGLE F/G
- 1) 48" - Conseal CS-102 1.00"
- 1) Hole - 24
- 1) Hole - 14
- 1) Hole - 20

- 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-315 ANGLE F/G).
- REINFORCING PER ASTM A615 (GRADE 60).**
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Structure Total:

6785 lb



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): 2660 lb
 Volume (Net): 0.68cu.yd

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

Plant: 100

4/24/2026 1:55:51 PM

Tech: Jared - F

PC: T. Lewis



Structure ID: S22-22 ST-DBI

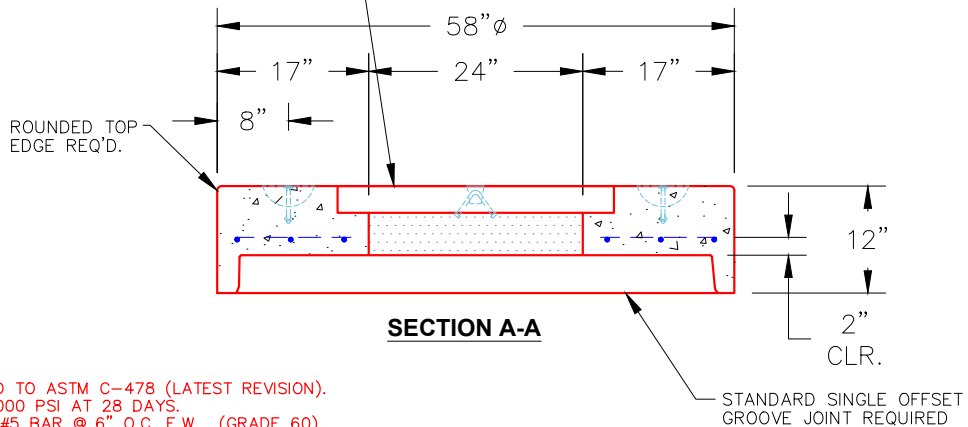
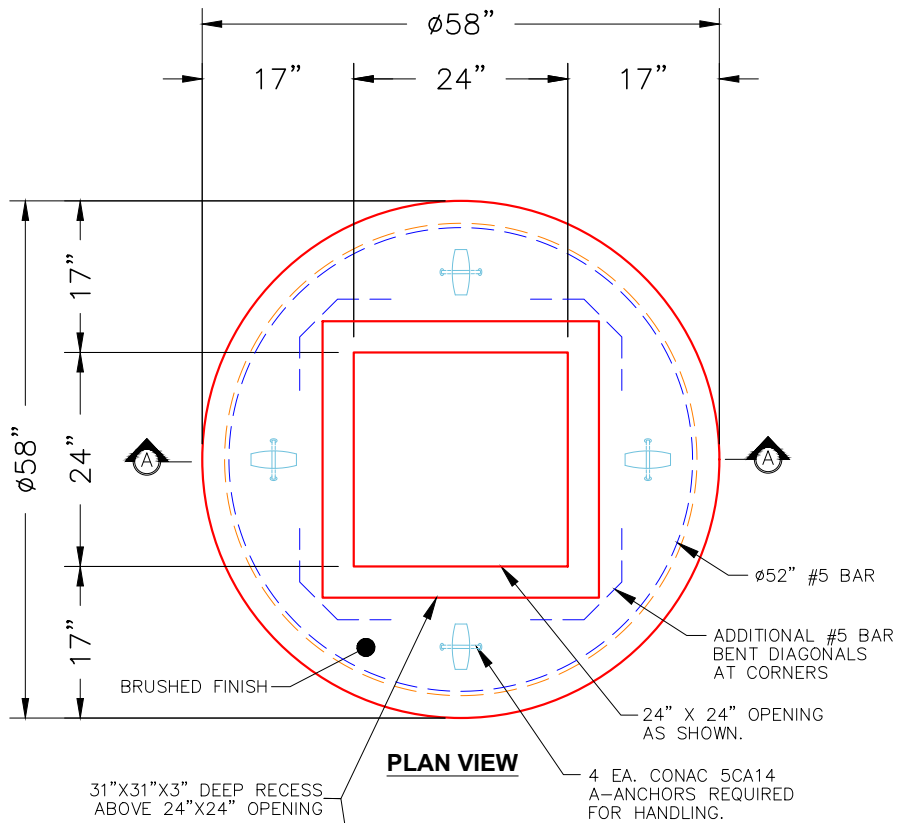
P2 MH048LD12S

MH FLAT TOP SPECIAL

- P3) CASTING HEIGHT - 0"
- P2) 48" - MH FLAT TOP SPECIAL - 12"
- P1) 48" - MH BASE Custom Ht - 34"
- 1) CASTING - HOE HOE-315 ANGLE F/G
- 1) 48" - Conseal CS-102 1.00"
- 2) Hole - 24

- 0 lb Structure Notes:
 2660 lb 1. PER ASTM C478 SPECIFICATIONS.
 3311 lb 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 258 lb 3. NO STEPS AND NO INVERT CHANNEL.
 0 lb 4. CASTING BY ICAST (HOE-315 ANGLE F/G).
 0 lb

Structure Total: 6229 lb
 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

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

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 2660 lb
 Volume (Net): 0.68cu.yd

Job Name: 24-1632 - KYTC Letting Call 100 (241306) Sanitary
 Job Location: Jackson, KY 41339
 Contractor: Triton Construction, Inc.

Plant: Beaver Dam, KY

Tech: K. Cardwell

4/20/2026 11:00:27 AM

PC: C. Goff



Structure ID: ARV 512+69.21

P2 MH048RSVF

MH RISER Custom Ht T/F

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
- P2) 48" - MH RISER Custom Ht T/F - 45"
- P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"
- 1) CASTING - HOE MC-350 F/C Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) DOGHOUSE - 8"x12"
- 4) MH Step ML-10-TDS-NCR - 10"

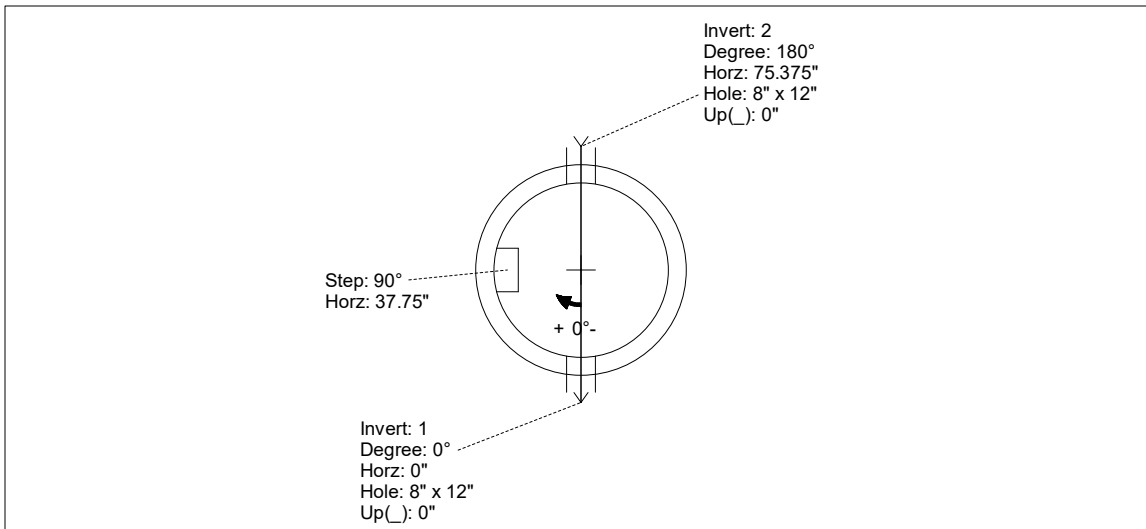
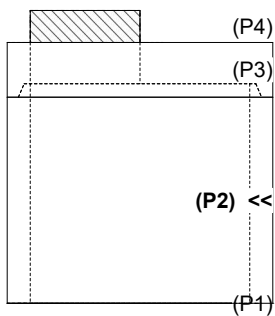
0 lb
 1561 lb
 3069 lb
 0 lb
 305 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 4935 lb

- Structure Notes:
 STATION: 512+69.21 (2+01)
1. PER KYTC & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. STEPS AT 90 DEGREES
 5. HOE MC-350 FRAME & COVER "SANITARY" SUPPLIED BY ICAST
 6. DOGHOUSE OPENINGS: 8" WIDE X 12" TALL

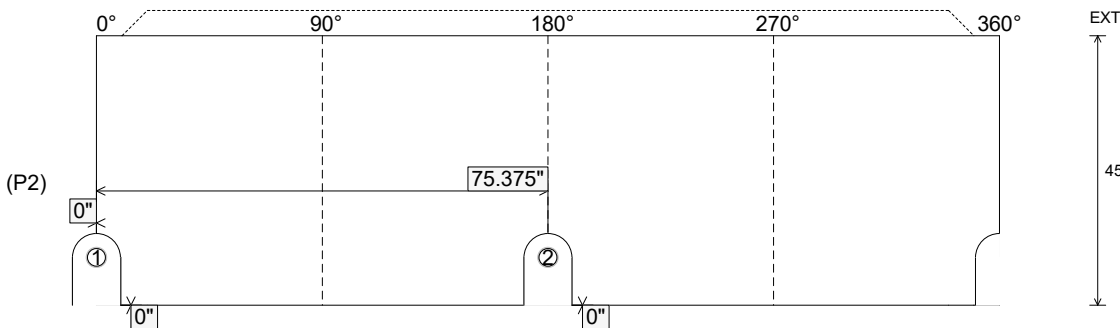
Rim: 5.333' Rim to Invert: 4.791' Slack: 0" Sump: 6.5" Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	0.542'	0°	0"	3" PVC SDR21	3.375"	DOGHOUSE 8"x12"	8" x 12"	8.038"	0"	0"
Invert 2	0.542'	180°	91.125"	3" PVC SDR21	3.375"	DOGHOUSE 8"x12"	8" x 12"	8.038"	0"	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: Flat

Wall Thickness: 5"
 Floor Height: 0"

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

Weight (Net): 3069 lb
 Volume (Net): 0.78cu.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 1:22:20 PM

PC: Celina Goff



Structure ID: 2301264

P1 MH048BAVF

MH BASE (08"F) T/n

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - CON CONE w/24" HOLE F/G - 24"
- P2) 48" - MH RISER T/G - 24"
- P1) 48" - MH BASE (08"F) T/n - 39"
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) Quik-Lok - QL-08-C
- 1) PSX - 12-08 NYLO
- 6) MH Step ML-10-TDS-NCR - 10"

0 lb
 2252 lb
 1677 lb
 4412 lb
 1440 lb
 0 lb
 1 lb
 8 lb
 0 lb

 Structure Total: 9789 lb

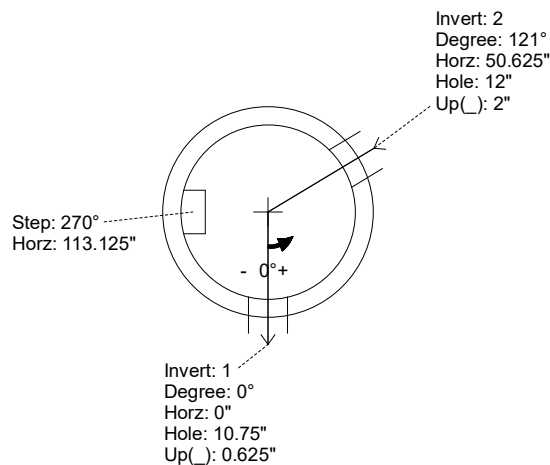
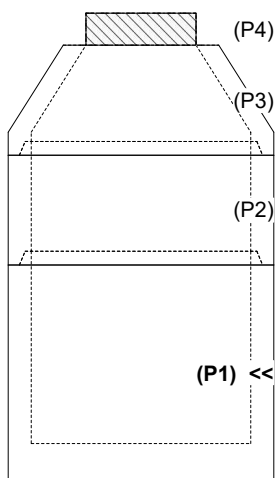
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 270 DEGREES
 6. 7" CASTING SUPPLIED BY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

Rim: 781.16' Rim to Invert: 7.86' Slack: 2.32" Sump: 2" Step Position: 270°

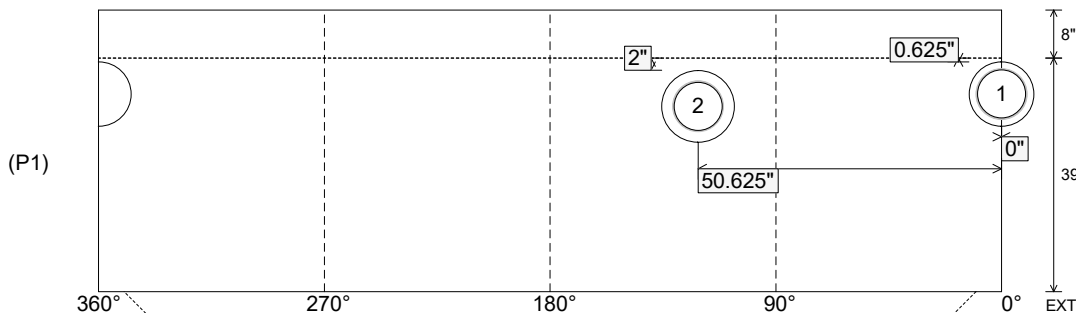
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	773.3'	0°	0"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	0.625"	0"
Invert 2	773.47'	121°	61.25"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 39"
 Height (Ext): 47"

Weight (Net): 4412 lb
 Volume (Net): 1.13cu.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 1:22:20 PM

PC: Celina Goff



Structure ID: 2301264

P1 MH048BAVF

MH BASE (08"F) T/n

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - CON CONE w/24" HOLE F/G - 24"
- P2) 48" - MH RISER T/G - 24"
- P1) 48" - MH BASE (08"F) T/n - 39"
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) Quik-Lok - QL-08-C
- 1) PSX - 12-08 NYLO
- 6) MH Step ML-10-TDS-NCR - 10"

0 lb
 2252 lb
 1677 lb
 4412 lb
 1440 lb
 0 lb
 1 lb
 8 lb
 0 lb

 Structure Total: 9789 lb

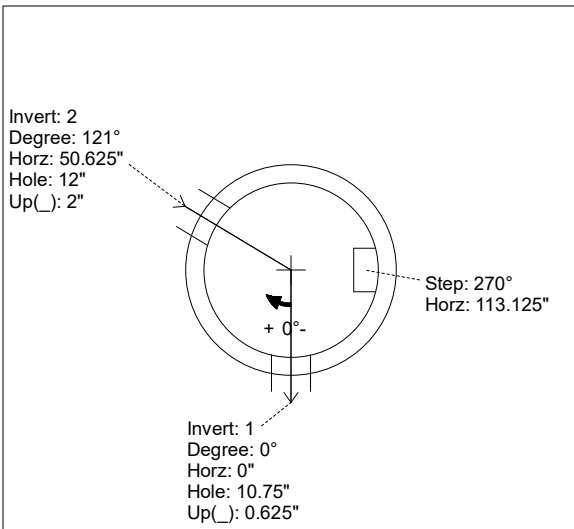
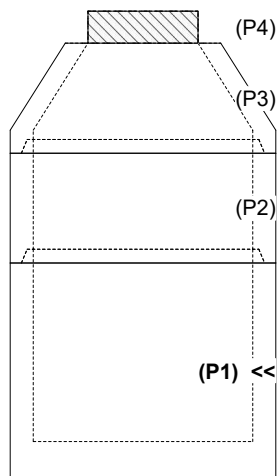
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 270 DEGREES
 6. 7" CASTING SUPPLIED BY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

Rim: 781.16' Rim to Invert: 7.86' Slack: 2.32" Sump: 2" Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	773.3'	0°	0"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	0.625"	0"
Invert 2	773.47'	121°	61.25"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

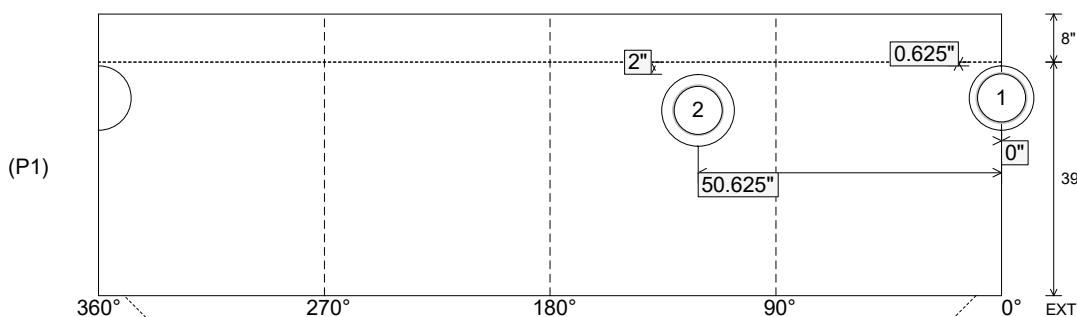
RIGHT-SIDE UP VIEW (int. dimensions)

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): 39" Height (Ext): 47"	Weight (Net): 4412 lb Volume (Net): 1.13cu.yd
----------------------------------	---------------------------------	--	--	--

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

Plant: 100

3/27/2026 11:41:27 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2280822

P3 MH048CCN24

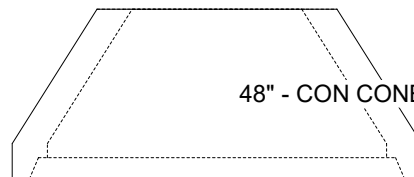
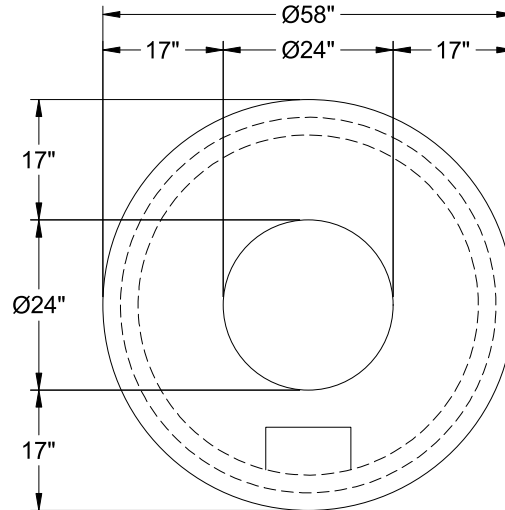
CON CONE w/24" HOLE F/G

- P5) 24" - CASTING HEIGHT - 7"
- P4) 24" - GRADE RING F/F - 6"
- P3) 48" - CON CONE w/24" HOLE F/G - 24"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE (08"F) T/n - 42"
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) Kor-N-Seal2 - S206-28
- 6) MH Step ML-10-TDS-NCR - 10"

0 lb
 405 lb
 2252 lb
 2515 lb
 4162 lb
 1440 lb
 0 lb
 13 lb
 0 lb

 Structure Total: 10787 lb

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



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 24"

Weight (Net): 2252 lb
 Volume (Net): 0.57cu.yd

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

Plant: 100

3/20/2026 1:22:23 PM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301581

P1 MH048BAVF-D

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

- P6) 24" - CASTING HEIGHT - 7"
- P5) 48" - CON CONE w/24" HOLE F/G - 36"
- P4) 48" - MH RISER T/G - 48"
- P3) 48" - MH RISER T/G - 48"
- P2) 48" - MH RISER w/DROP Custom Ht T/G - 72"
- P1) 48" - MH BASE (10" F) w/DROP Custom Ht T/n - 28"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 4) 48" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12-08 NYLO
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 19) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 2252 lb
- 3353 lb
- 3353 lb
- 8102 lb
- 7371 lb
- 2692 lb
- 0 lb
- 8 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb

Structure Total: 27131 lb

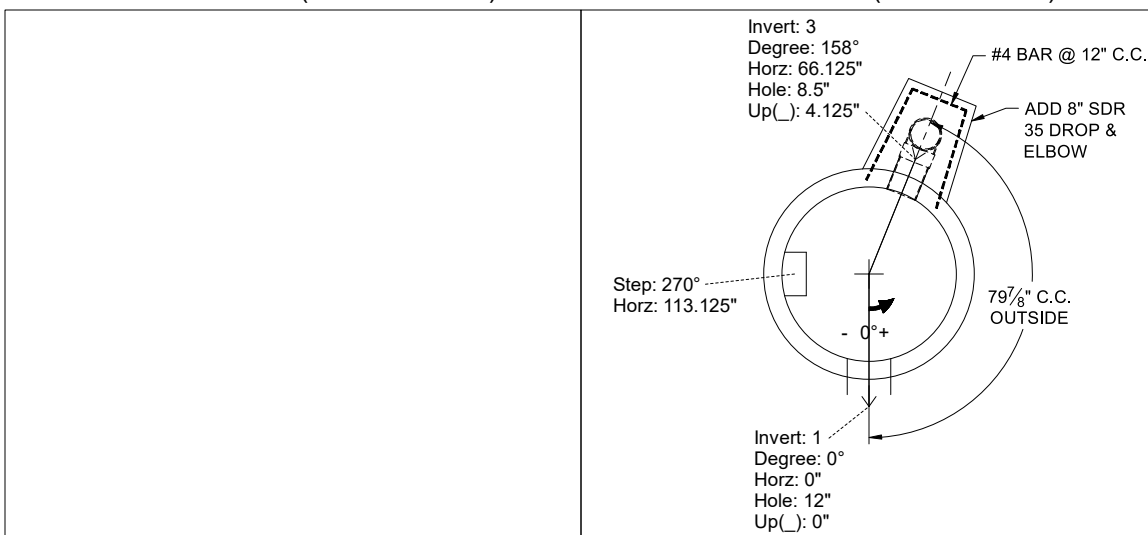
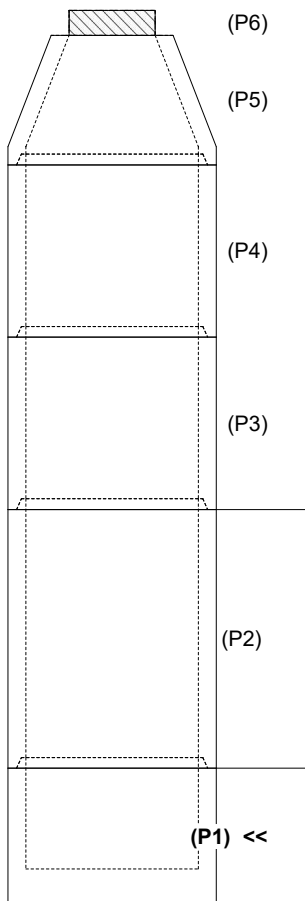
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. BASE REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. EXTERIOR DROP REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 5. INVERT CHANNEL REQUIRED
 6. STEPS AT 270 DEGREES
 7. 7" CASTING SUPPLIED BY OTHERS
 8. EXTERIOR DROP AT INVERTS 2 & 3 SUPPLIED BY ICAST
 9. ADD 8" SDR 35 DROP & ELBOW AT INVERT 3 (158°)

Rim: 766.6' Rim to Invert: 19.97' Slack: 2.64" Sump: 2" Step Position: 270°

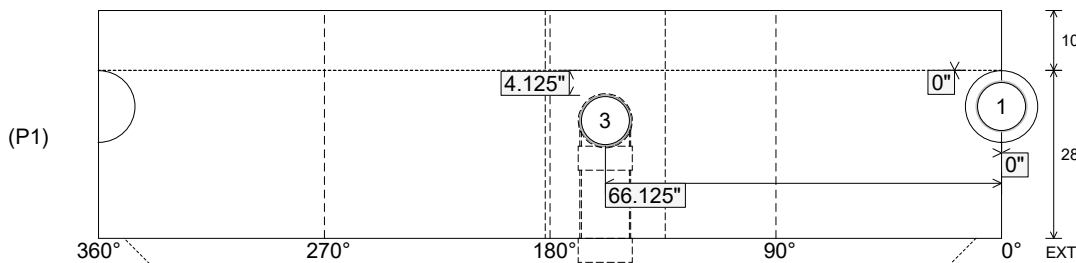
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	746.63'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3	746.83'	158°	80"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	4.125"	0"
Invert 4										
Invert 5										
Invert 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: 10"

Height (Int): 28"
Height (Ext): 38"

Weight (Net): 5737 lb
Volume (Net): 1.46cu.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 1:22:23 PM

PC: Celina Goff



Structure ID: 2301581

P1 MH048BAVF-D

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

- P6) 24" - CASTING HEIGHT - 7"
- P5) 48" - CON CONE w/24" HOLE F/G - 36"
- P4) 48" - MH RISER T/G - 48"
- P3) 48" - MH RISER T/G - 48"
- P2) 48" - MH RISER w/DROP Custom Ht T/G - 72"
- P1) 48" - MH BASE (10" F) w/DROP Custom Ht T/n - 28"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 4) 48" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12-08 NYLO
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 19) MH Step ML-10-TDS-NCR - 10"

0 lb
 2252 lb
 3353 lb
 3353 lb
 8102 lb
 7371 lb
 2692 lb
 0 lb
 8 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 27131 lb

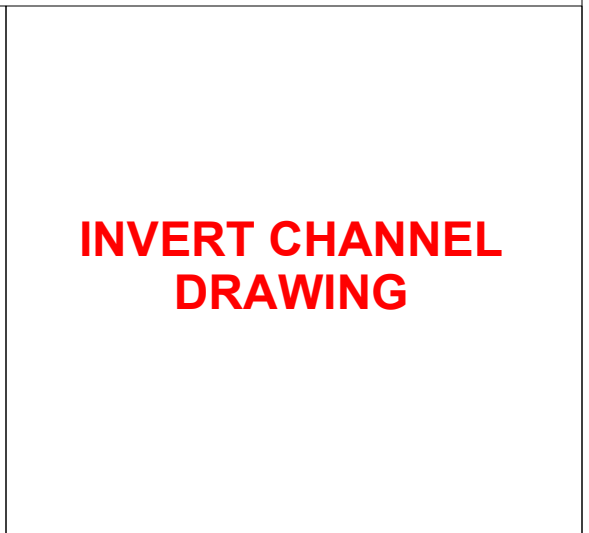
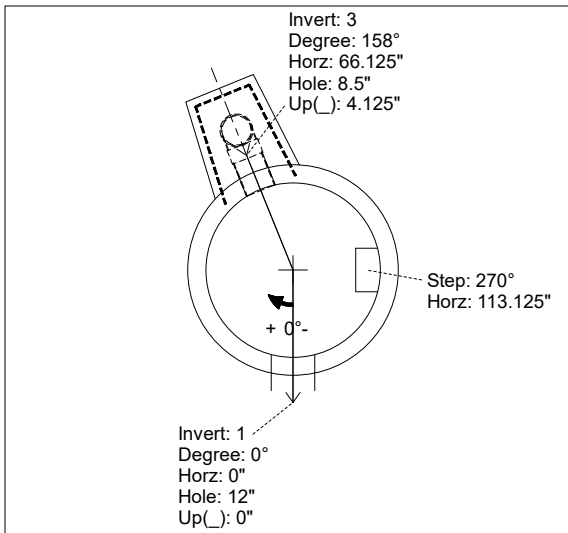
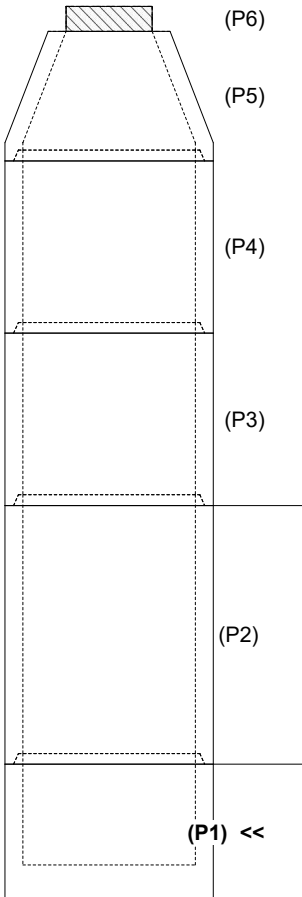
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 270 DEGREES
 6. 7" CASTING SUPPLIED BY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

Rim: 766.6' Rim to Invert: 19.97' Slack: 2.64' Sump: 2' Step Position: 270°

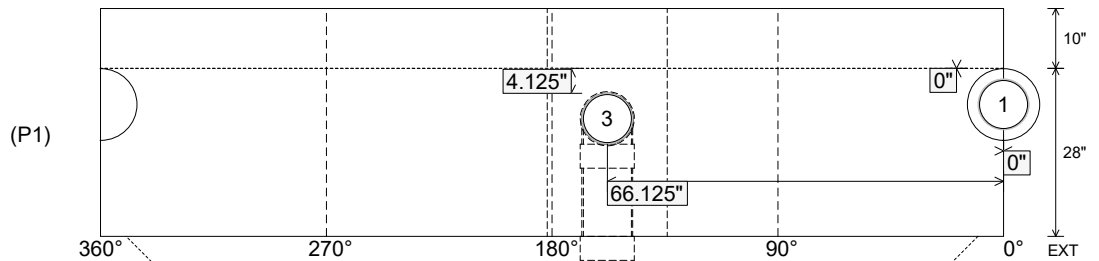
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	746.63'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3	746.83'	158°	80"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	4.125"	0"
Invert 4										
Invert 5										
Invert 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: 10"

Height (Int): 28"
 Height (Ext): 38"

Weight (Net): 5737 lb
 Volume (Net): 1.46cu.yd

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

Plant: Beaver Dam
 4/23/2026 11:30:45 AM

Tech: J. Copping
 PC: A. Chambers



Structure ID: CB 109

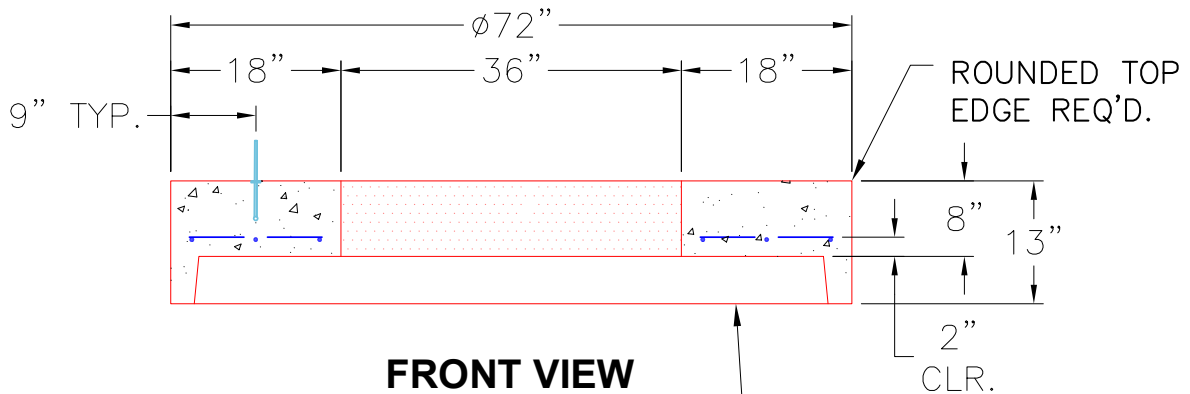
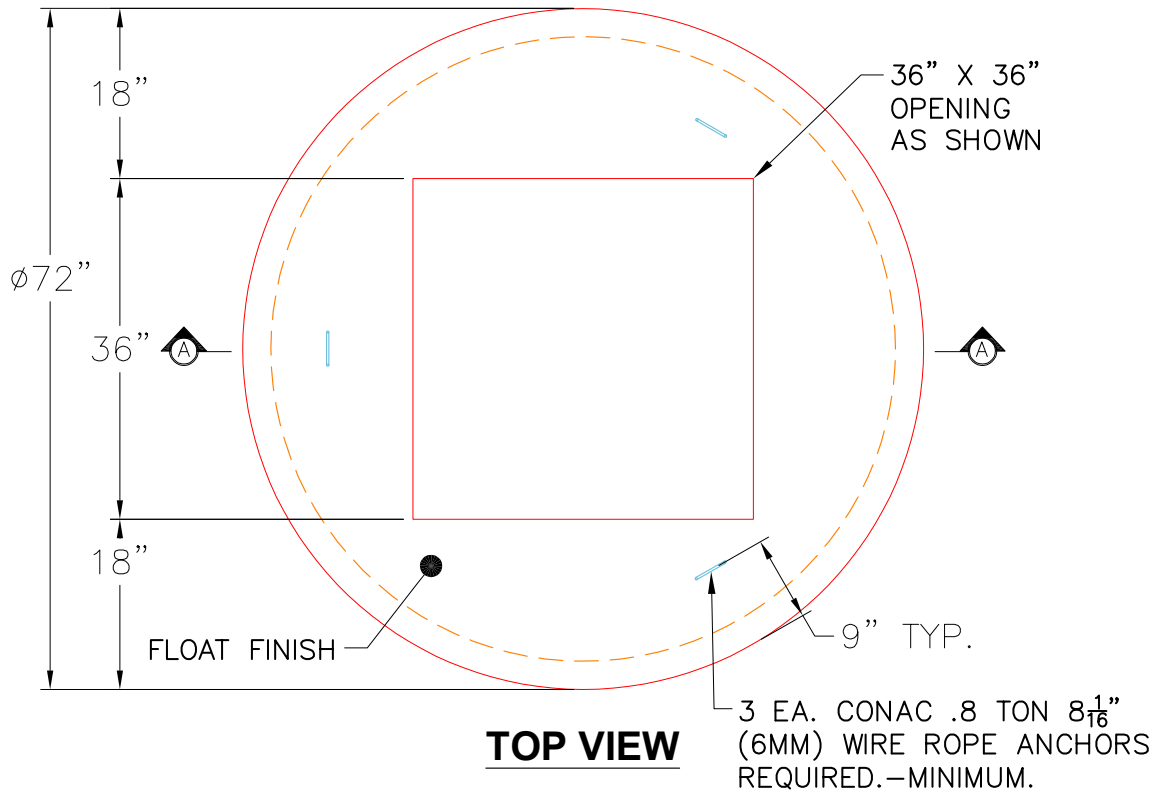
P3 MH060LD13-36SQ

MH FLAT TOP w/36"x36" Hole

- P4) 36" x 36" - CASTING HEIGHT - 3"
- P3) 60" - MH FLAT TOP w/36"x36" Hole - 13"
- P2) 60" - MH RISER - 24"
- P1) 60" - MH BASE - 60"
- 1) CASTING - HOE 595 F/G
- 2) 60" - Conseal CS-102 1.00"
- 1) 36" x 36" - Conseal CS-102 1.00"
- 2) Hole - 46
- 7) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. JR HOE HOE-595 PROVIDED BY ICAST.
 2. PER ASTM C478 SPECIFICATIONS.
 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Structure Total: 12151 lb



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

STANDARD SINGLE OFFSET GROOVE JOINT REQUIRED.

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 6"	Height (Ext): 13"	Weight (Net): 2134 lb Volume (Net): 0.55cu.yd
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Job Name: 25-1431 - Georgetown Commons
 Job Location: Georgetown, KY
 Contractor: Winwater Hartford KY Co.

Plant: Beaver Dam

4/23/2026 11:30:44 AM

Tech: J. Coppage

PC: A. Chambers



Structure ID: CB 108

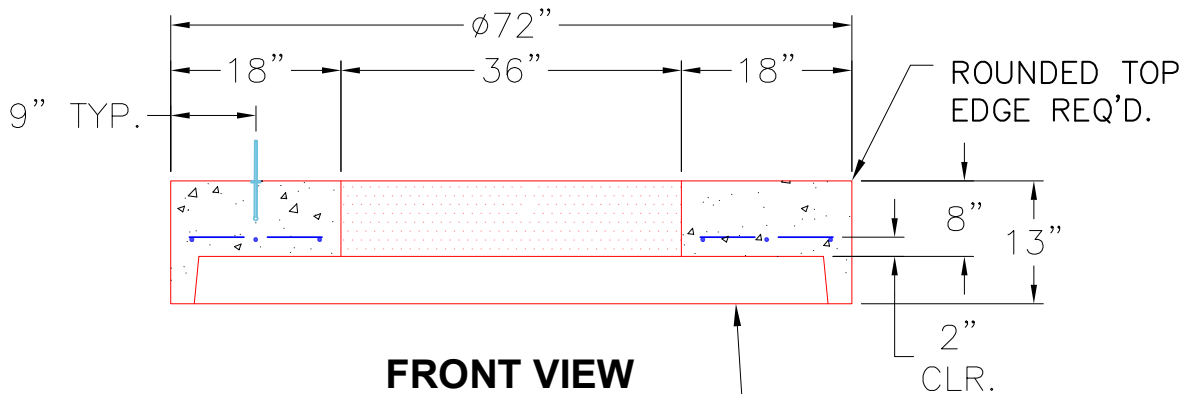
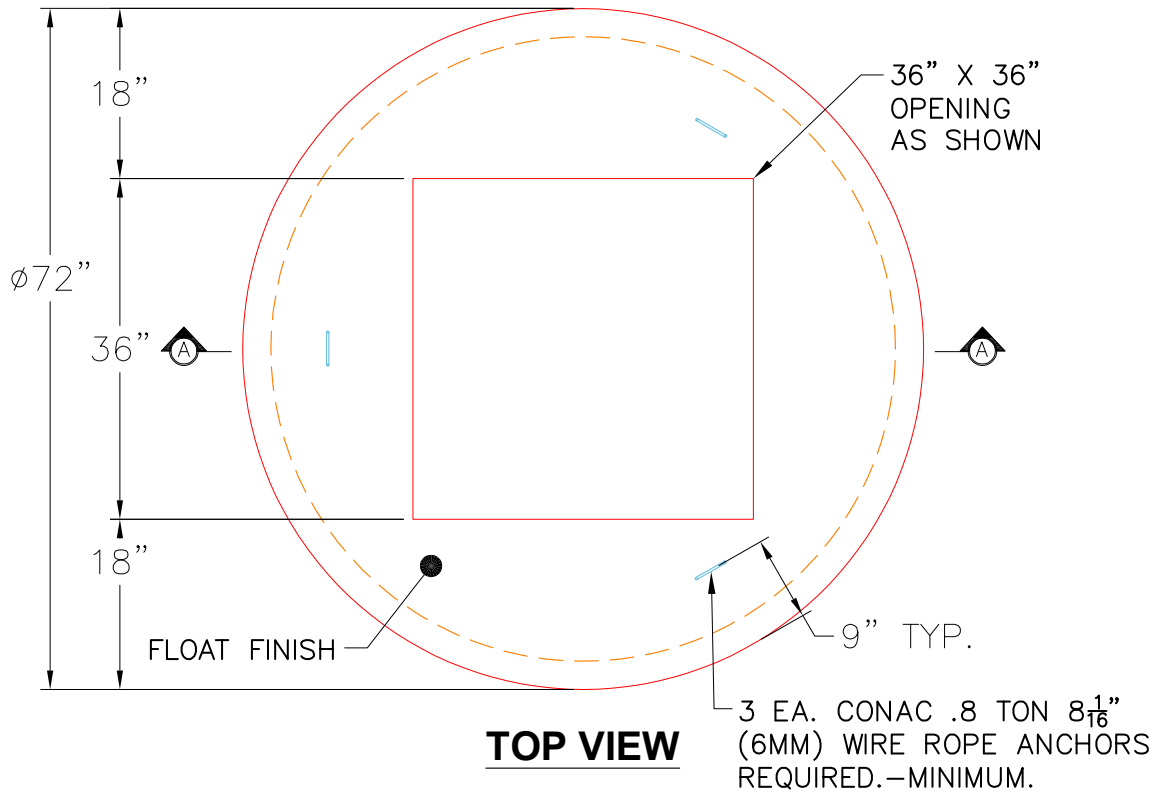
P3 MH060LD13-36SQ

MH FLAT TOP w/36"x36" Hole

- P4) 36" x 36" - CASTING HEIGHT - 3"
- P3) 60" - MH FLAT TOP w/36"x36" Hole - 13"
- P2) 60" - MH RISER Custom Ht - 20"
- P1) 60" - MH BASE - 60"
- 1) CASTING - HOE 595 F/G
- 2) 60" - Conseal CS-102 1.00"
- 1) 36" x 36" - Conseal CS-102 1.00"
- 2) Hole - 46
- 5) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:**
1. JR HOE HOE-595 PROVIDED BY ICAST.
 2. PER ASTM C478 SPECIFICATIONS.
 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Structure Total: 11733 lb



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

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 6"	Height (Ext): 13"	Weight (Net): 2134 lb Volume (Net): 0.55cu.yd
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Job Name: 26-1487 - Ford LAP
 Job Location: Louisville, KY
 Contractor: Barton Malow Company

Plant: 100

5/6/2026 8:47:59 AM

Tech: J. Horsley

PC: E. Bradley



Structure ID: TY 1 DHMH WEST SIDE

P1 MH060DHRSVH

MH DH RISER Custom Ht T/F

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"	2869 lb
P2) 60" - MH RISER T/G - 60"	6264 lb
P1) 60" - MH DH RISER Custom Ht T/F - 59"	4927 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 WT-420-MSD F/C Storm	340 lb
2) 60" - Conseal CS-102 1.00" (Double)	0 lb
2) DOGHOUSE - 34"x35"	0 lb
1) PSX - 16Y NYLO	8 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	14408 lb

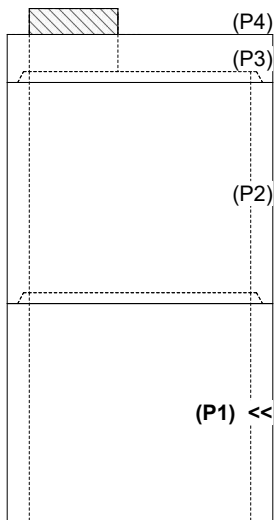
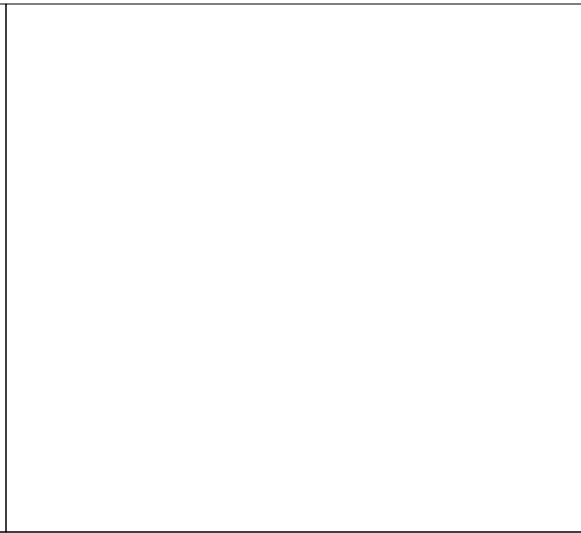
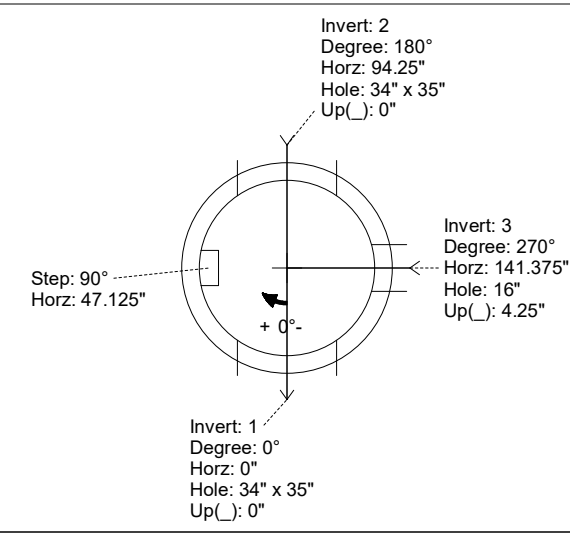
Structure Notes:
 1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. STEPS AT 90 DEGREES
 5. HOE WT-420-MSD WATERTIGHT FRAME & COVER "STORM MSD" SUPPLIED BY ICAST

Rim: 459.42' Rim to Invert: 11.09' Slack: 0.08" Sump: 6" Step Position: 90°

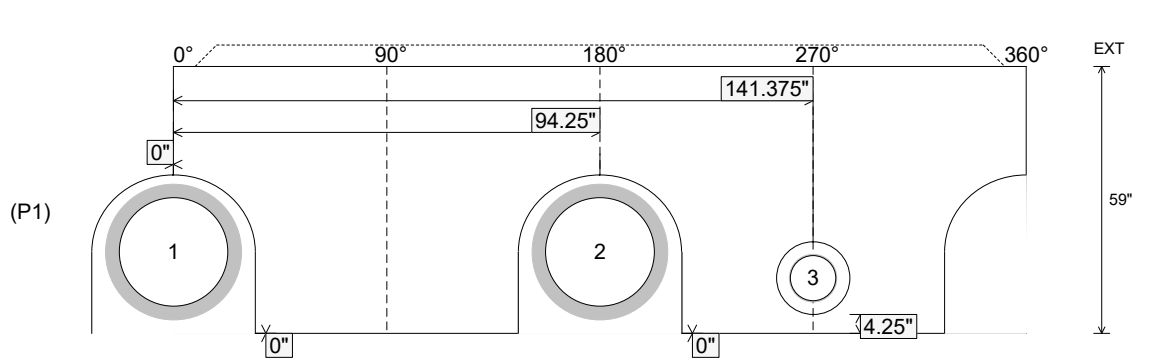
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	448.33'	0°	0"	24" RCP B WALL	30"	DOGHOUSE 34"x35"	34" x 35"	36.147"	0"	0"
Invert 2	448.33'	180°	113.125"	24" RCP B WALL	30"	DOGHOUSE 34"x35"	34" x 35"	36.147"	0"	0"
Invert 3	448.43'	270°	169.625"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.196"	4.25"	0"
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: Flat	Wall Thickness: 6" Floor Height: 0"	Height (Int): 59" Height (Ext): 59"	Weight (Net): 4927 lb Volume (Net): 1.26cu.yd
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Structure ID: 2301533

P1 MH072BAVF

MH BASE Custom Ht T/n

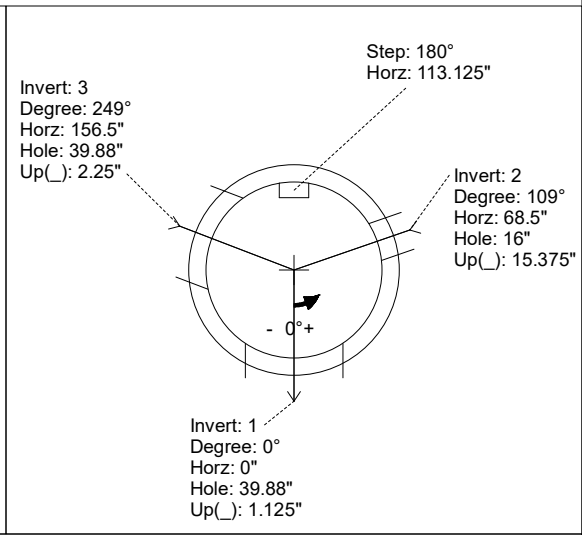
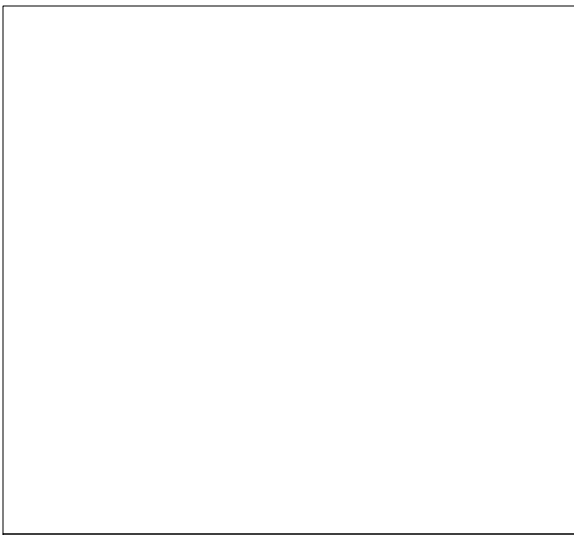
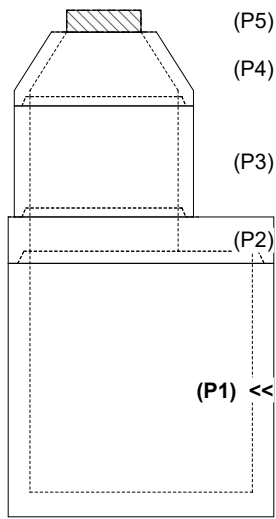
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 36" P2) 72" - MH Transition Slab 48" Hole T/G - 15" P1) 72" - MH BASE Custom Ht T/n - 74" 1) 72" - MH INVERT CHANNEL - FULL HEIGHT 1) 72" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 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: - 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 180 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS
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Rim: 743.09' Rim to Invert: 12.98' Slack: 2.76" Sump: 3" Step Position: 180°

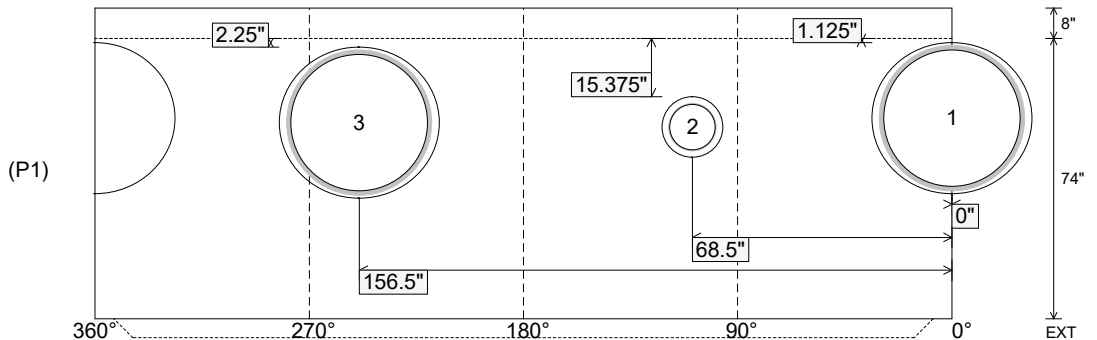
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	730.11'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	731.31'	109°	81.75"	12" PVC SDR35	12.5"	PSX 16L NYLO	16"	16.135"	15.375"	0"
Invert 3	730.21'	249°	186.875"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	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: 7" Floor Height: 8"	Height (Int): 74" Height (Ext): 82"	Weight (Net): 13028 lb Volume (Net): 3.33cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
 Job Location: Fort Mitchell, KY 41017
 Contractor: Lykins Contracting

Plant: 100

Tech: J. Horsley - A

3/20/2026 1:21:12 PM

PC: Celina Goff



Structure ID: 2301533

P1 MH072BAVF

MH BASE Custom Ht T/n

- 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

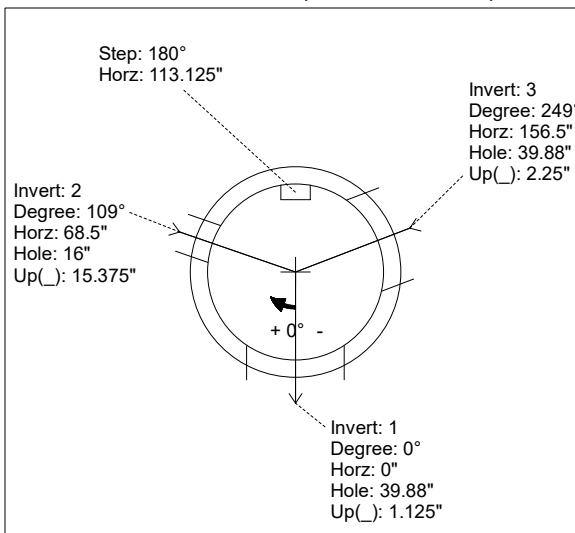
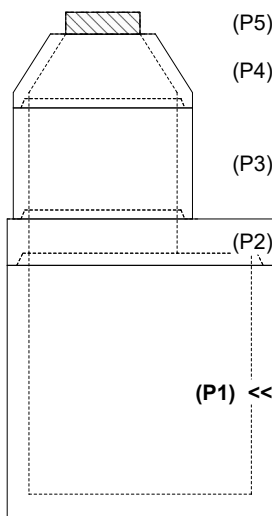
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 180 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 743.09' Rim to Invert: 12.98' Slack: 2.76" Sump: 3" Step Position: 180°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	730.11'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	1.125"	0"
Invert 2	731.31'	109°	81.75"	12" PVC SDR35	12.5"	PSX 16L NYLO	16"	16.135"	15.375"	0"
Invert 3	730.21'	249°	186.875"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	42.266"	2.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

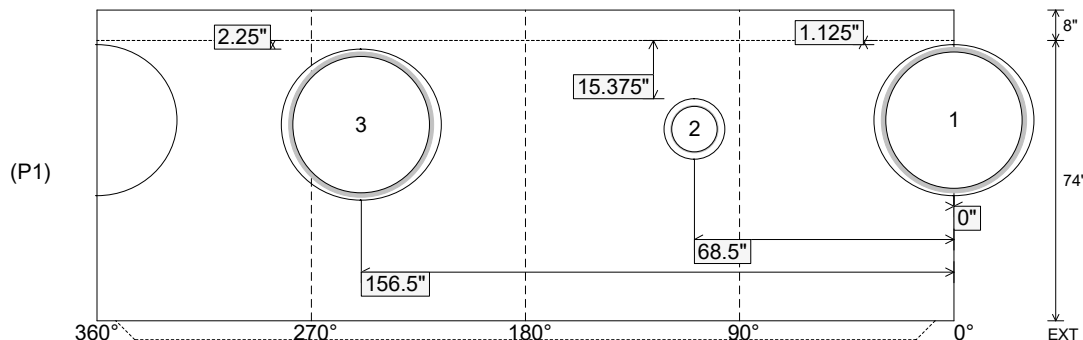
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 7"
Floor Height: 8"

Height (Int): 74"
Height (Ext): 82"

Weight (Net): 13028 lb
Volume (Net): 3.33cu.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 11:39:23 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301532

P2 MH072TS15-48ECC

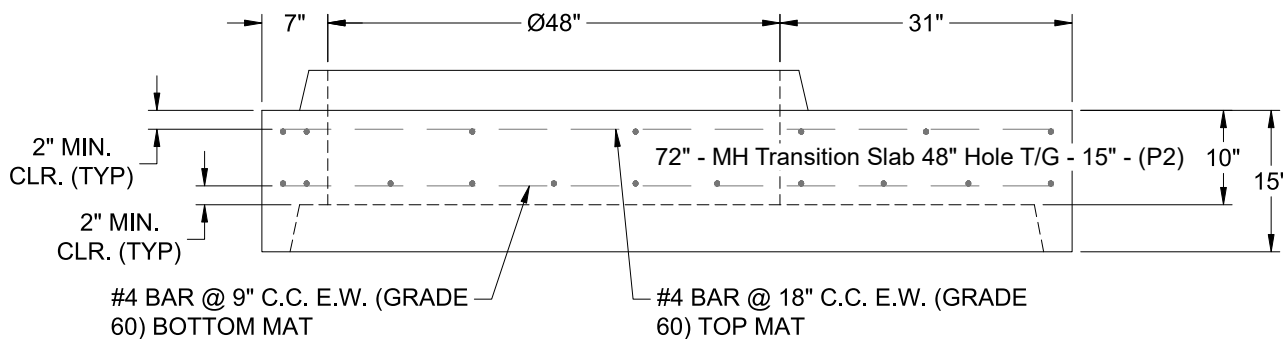
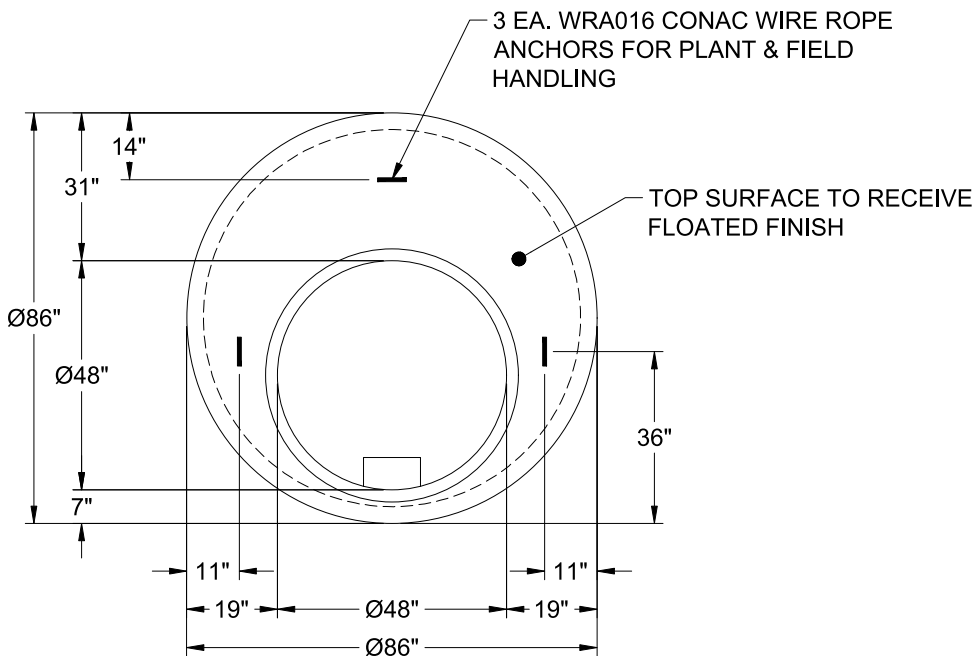
MH Transition Slab 48" Hole T/G

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

0 lb
 2252 lb
 4192 lb
 3864 lb
 12855 lb
 5422 lb
 0 lb
 0 lb
 2 lb
 0 lb

 Structure Total: 28587 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

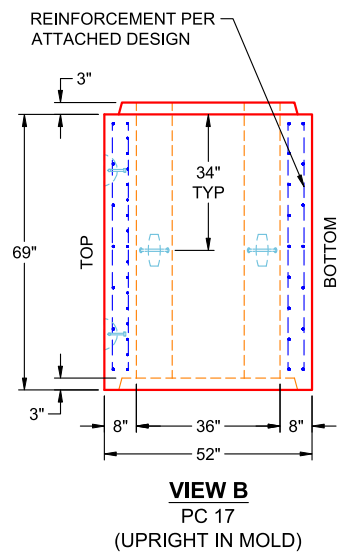
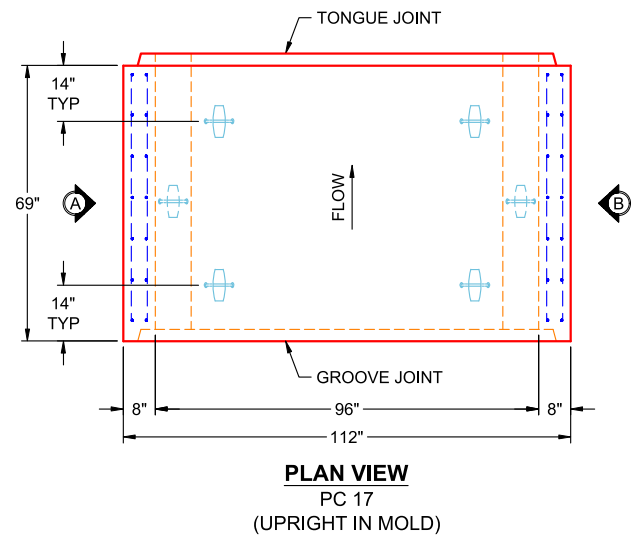
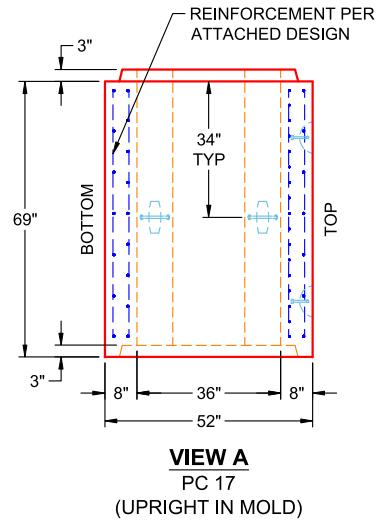
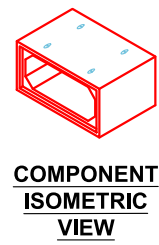
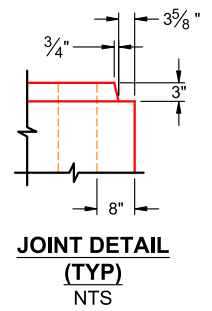
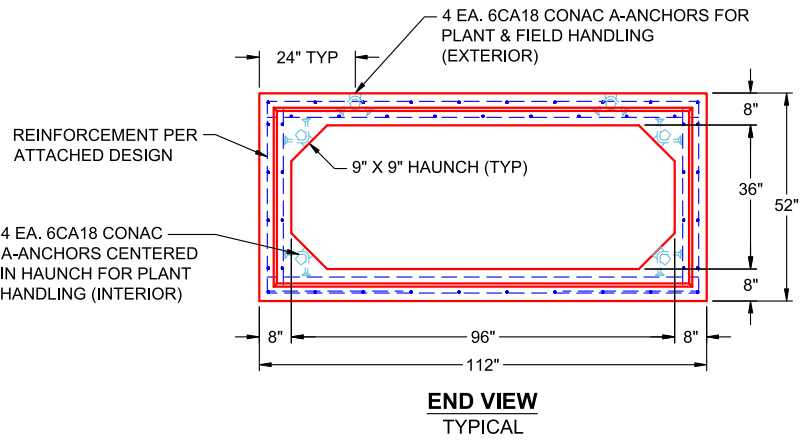



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 7"	Height (Ext): 15"	Weight (Net): 3864 lb Volume (Net): 0.99cu.yd
----------------------------------	------------------------------------	--------------------	-------------------	--

Structure ID: BC 8 x 3 (PC 17)
P1 BC096036-08WLF-9H

BOX CULVERT (08W/08F/08T) G/T

- 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: 0'-5"
 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: 8' X 3' RCBC = 2,548 LBS / LF
(5'-9" LONG SECTION = 14,649 LBS)



PRODUCTION WORK ORDER		PRODUCT I.D.: BC096036-08WLF-9H	DESCRIPTION: 96" X 36" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: BOWEN ENGINEERING CORPORATION
	<input type="checkbox"/> ALL DIMENSIONS CORRECT.	PLANT: BEAVER DAM, KY	PROJECT: ALCOA OUTFALL
	<input type="checkbox"/> LIFTERS INSTALLED INSIDE.	WEIGHT: 14,649 LBS	STRUCTURE: BC 8 X 3 (PC 17)
	<input type="checkbox"/> RECESS WITH HAUNCHES CORRECT.	TOP SECTION JOINT: TONGUE	ORDER NO: 25-2073
	<input type="checkbox"/> REINFORCING CORRECT.	BASE SECTION JOINT: GROOVE	PE: J.H. ROSS
	<input type="checkbox"/> SURFACE QUALITY ACCEPTABLE.	QC CHECK INITIALS:	DRAWING: K. CARDWELL
	<input type="checkbox"/> LIFTERS INSTALLED OUTSIDE.		DATE: 04/17/26
<input type="checkbox"/> PRODUCT SQUARE.		SCALE: NTS	
			PG. 1 OF 1

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INFRASTRUCTURE PRECAST (ICAST)

Sht _____ of _____

By: J. Horsley

Ck: _____

4/17/2026 8:47:34 AM

p. 1 of 4

Project : Alcoa Outfall

Task :

Client: Bowen Engineering

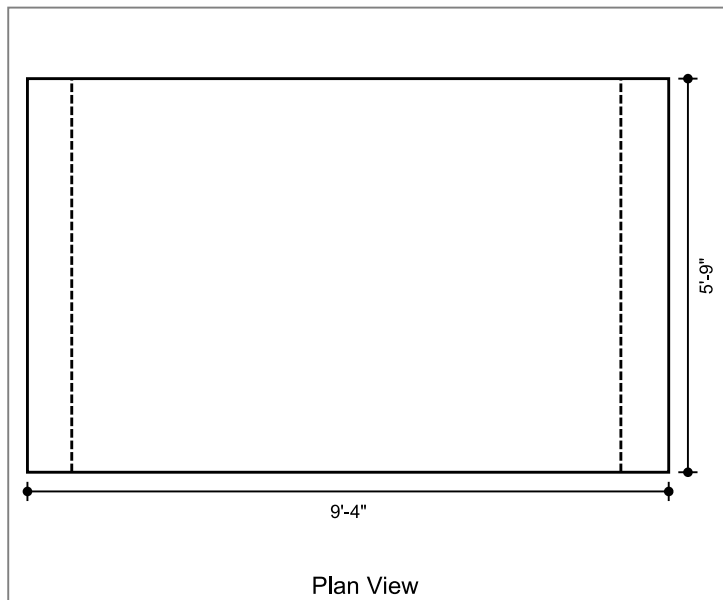
Job No. : 25-2073

File: 8x3 BC Four Sided - 25-2073 Alcoa Outfall.etcx

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

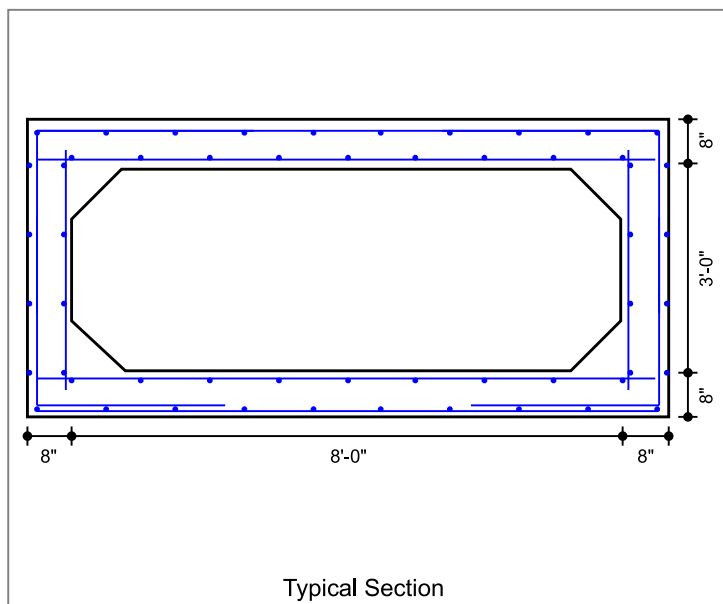
Physical Dimensions

Clear Span:	8'-0"
Clear Height:	3'-0"
Top Slab:	8"
Bottom Slab:	8"
Ext. Wall:	8"
Fill Depth Range	
Maximum:	5.00 ft
Minimum:	2.00 ft
Increment:	1.00 ft
Length:	5'-9"
Skew Angle:	0.00 deg
Bottom Slab Support:	Full Slab
Top Haunch, Width:	9"
Top Haunch, Height:	9"
Bottom Haunch, Width:	9"
Bottom Haunch, Height:	9"



Material Properties

Concrete	
Strength, f _c :	5.000 ksi
Density:	0.150 kcf
Elasticity, E _c :	3834 ksi
Type:	Normal wt
Steel	
Yield, f _y :	60 ksi
Allow Stress:	36 ksi
Elasticity, E _s :	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 1/2"
Int. Cover Walls:	1"
Int. Cover Top Slab:	1"
Int. Cover Bottom Slab:	1"



Controlling Ratings

Inventory Rating: 1.14
Operating Rating: 1.48

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: _____

4/17/2026 8:47:34 AM

p. 2 of 4

Project : Alcoa Outfall

Task :

Client: Bowen Engineering

Job No. : 25-2073

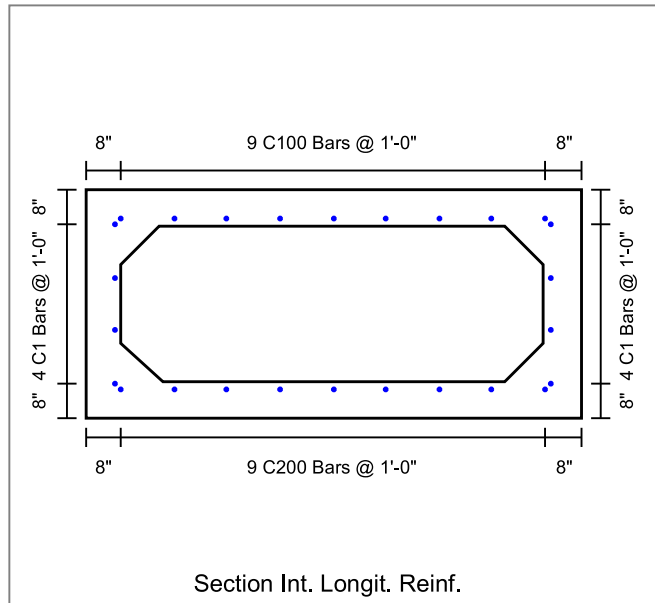
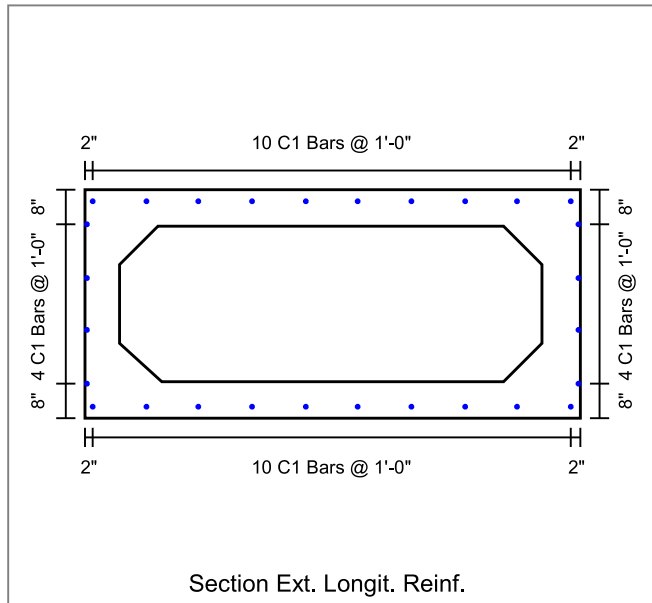
File: 8x3 BC Four Sided - 25-2073 Alcoa Outfall.etcx

Concrete Summary

Volume of Concrete: 0.651 cy/ft Total Volume of Concrete: 3.742 cy

Reinforcing Steel Bar Schedule (lb)

Location	Mark	Qty	Size	Spacing	Type	Length	Hor.Leg	Ver.Leg	Tot.Weight
Top Slab(Int)	A100 (AS2)	18	3	4"	S	9'-0"	--	--	61.0
Bot Slab(Int)	A200 (AS3)	9	4	8"	S	9'-0"	--	--	54.0
Top Slab(Ext)	A300 (AS7)	6	4	1'-0"	S	9'-0"	--	--	36.0
Bot Slab(Ext)	A400 (AS8)	6	4	1'-0"	S	9'-0"	--	--	36.0
Corner(Top)	A1 (AS1)	24	4	6"	L	5'-10"	3'-2"	2'-8"	94.0
Corner(Bot)	A2 (AS1)	24	4	6"	L	5'-6"	2'-9"	2'-9"	88.0
Wall(Int)	B1 (AS4)	12	4	1'-0"	S	3'-6"	--	--	28.0
Longit. Top (Int)	C100 (AS5)	9	4	1'-0"	S	5'-8"	--	--	34.0
Longit. Bot (Int)	C200	9	4	1'-0"	S	5'-8"	--	--	34.0
Longit. Top (Ext)	C1 (AS6)	10	4	1'-0"	S	5'-8"	--	--	37.9
Longit. Bot (Ext)	C1 (AS6)	10	4	1'-0"	S	5'-8"	--	--	37.9
Longit. Wall (Ext)	C1 (AS6)	8	4	1'-0"	S	5'-8"	--	--	30.4
Longit. Wall (Int)	C1 (AS6)	8	4	1'-0"	S	5'-8"	--	--	30.4
									602



INFRASTRUCTURE PRECAST (ICAST)

Sht _____ of _____

By: J. Horsley

Ck: _____

4/17/2026 8:47:34 AM

p. 3 of 4

Project : Alcoa Outfall

Task :

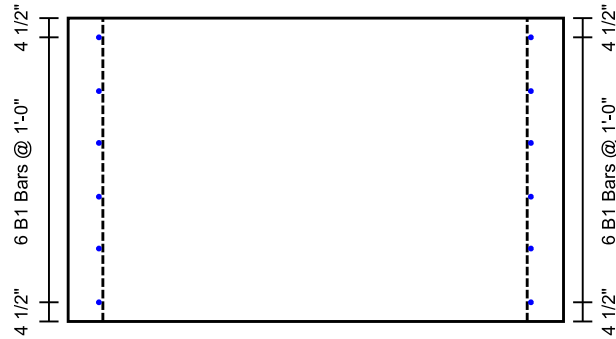
Job No. : 25-2073

Client: Bowen Engineering

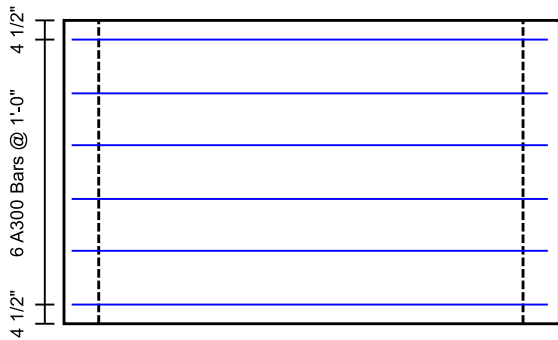
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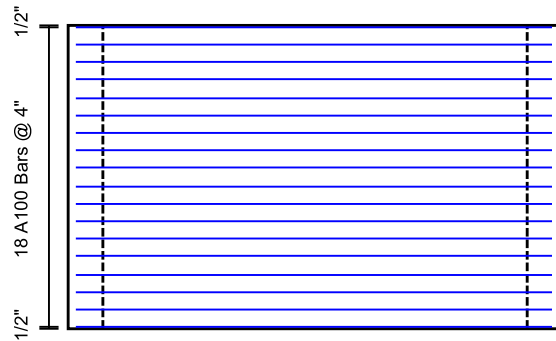
Ext. Wall Reinf.



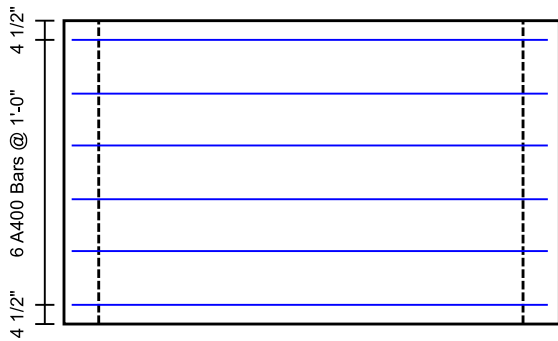
Int. Wall Reinf.



Top Slab Ext. Reinf.



Top Slab Int. Reinf.



Bottom Slab Ext. Reinf.



Bottom Slab Int. Reinf.

INFRASTRUCTURE PRECAST (ICAST)

Sht _____ of _____

By: J. Horsley

Ck: _____

4/17/2026 8:47:34 AM

p. 4 of 4

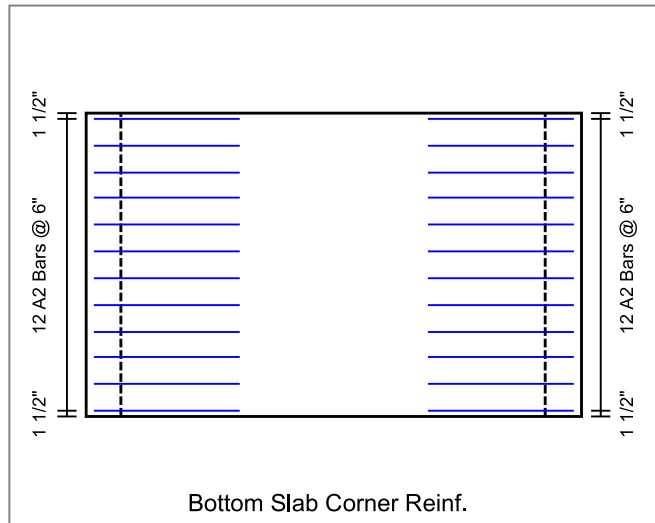
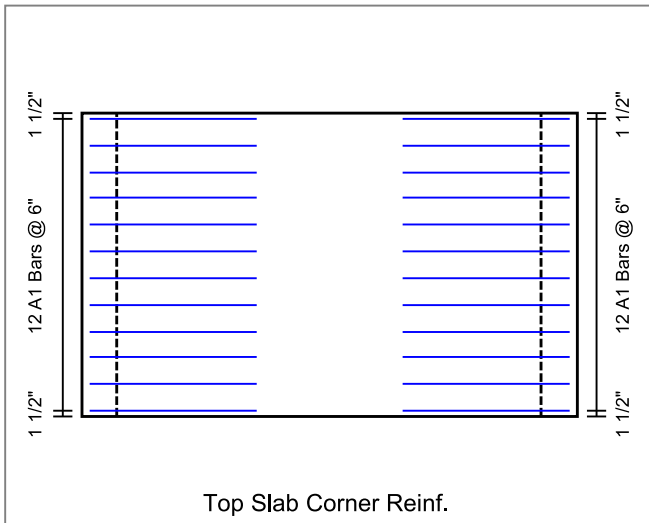
Project : Alcoa Outfall

Task :

Job No. : 25-2073

Client: Bowen Engineering

File: 8x3 BC Four Sided - 25-2073 Alcoa Outfall.etcx



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

Plant: 100
 5/5/2026 12:10:52 PM

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



Structure ID: B3

P1 BX2436-08BA42

BOX BASE 8inW, 8inF T/n

- P3) 24" x 36" - CASTING HEIGHT - 5"
- P2) 24" x 36" - BOX RISER 8inW, Variable Ht F/G - 31"
- P1) 24" x 36" - BOX BASE 8inW, 8inF T/n - 42"
- 1) 24" x 36" - STORM INVERT CHANNEL (FLAT) - 4" THK
- 1) CASTING - EJ 6499 Beehive Grate
- 2) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 38
- 1) Hole - 30
- 1) Hole - 6

0 lb
 3163 lb
 4617 lb
 450 lb
 250 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 8480 lb

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

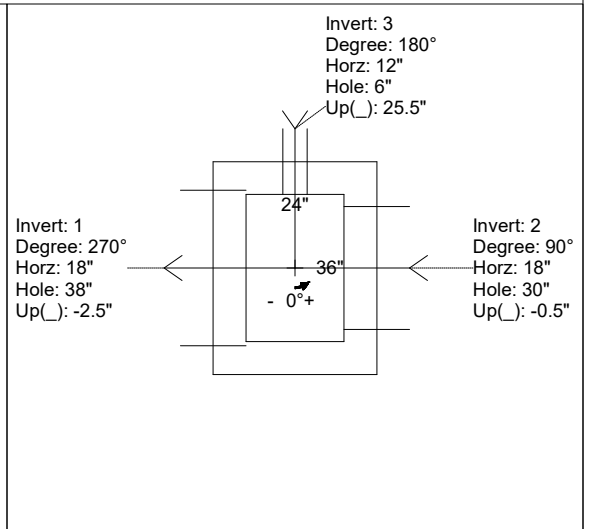
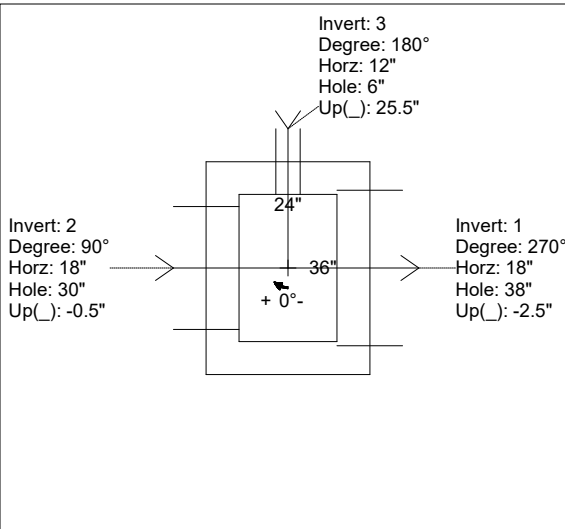
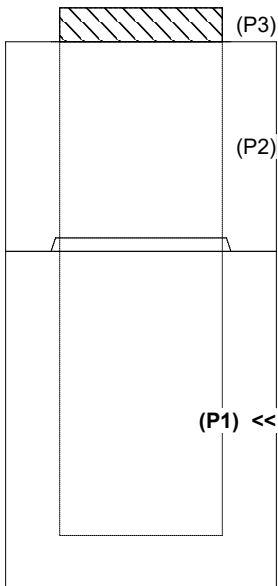
 REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 497' Rim to Invert: 6.52' Slack: 0.24" Sump: 0" Step Position:

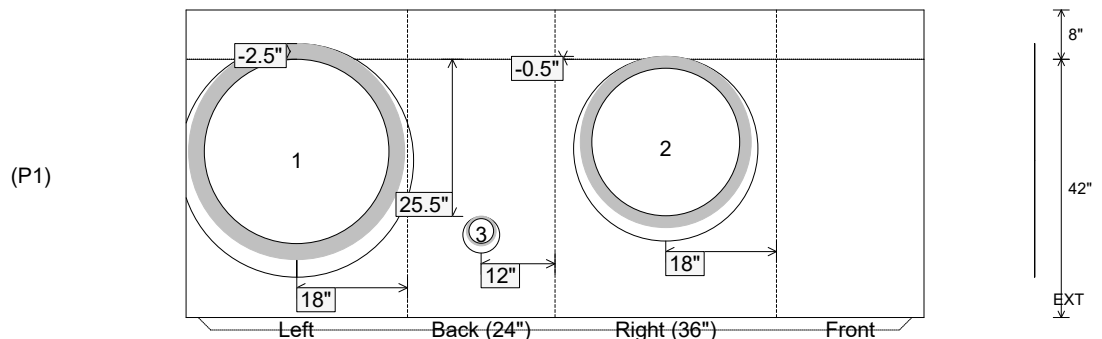
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	490.48'	270°	26"	30" HDPE	35.1"	Hole 38	38"	37"	-2.5"	0"
Invert 2	490.6'	90°	26"	24" HDPE	27.8"	Hole 30	30"	30"	-0.5"	0"
Invert 3	492.64'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	25.5"	0"
Invert 4										
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: 8"
 Floor Height: 8"

Height (Int): 42"
 Height (Ext): 50"

Weight (Net): 4617 lb
 Volume (Net): 1.18cu.yd

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

Plant: 100
 5/5/2026 12:10:52 PM

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



Structure ID: B3

P1 BX2436-08BA42

BOX BASE 8inW, 8inF T/n

- P3) 24" x 36" - CASTING HEIGHT - 5"
- P2) 24" x 36" - BOX RISER 8inW, Variable Ht F/G - 31"
- P1) 24" x 36" - BOX BASE 8inW, 8inF T/n - 42"

1) 24" x 36" - STORM INVERT CHANNEL (FLAT) - 4" THK

- 1) CASTING - EJ 6499 Beehive Grate
- 2) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 38
- 1) Hole - 30
- 1) Hole - 6

0 lb
 3163 lb
 4617 lb
 450 lb
 250 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 8480 lb

Structure Notes:

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

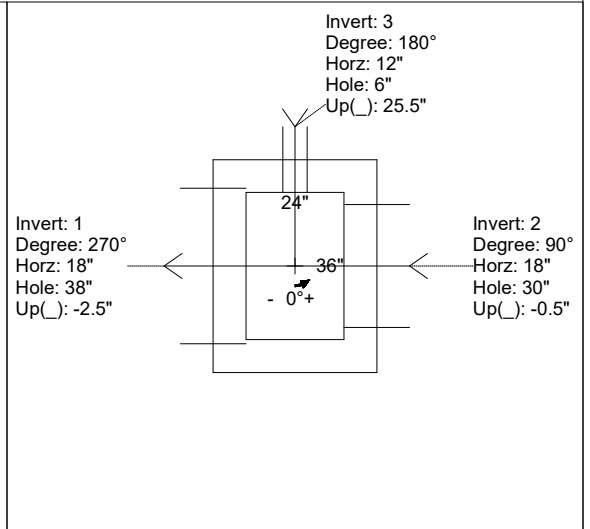
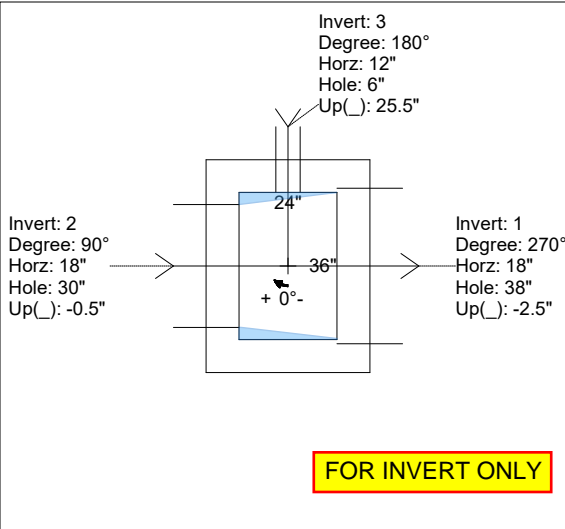
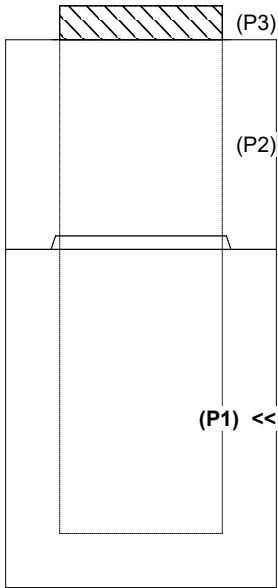
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 497' Rim to Invert: 6.52' Slack: 0.24" Sump: 0" Step Position:

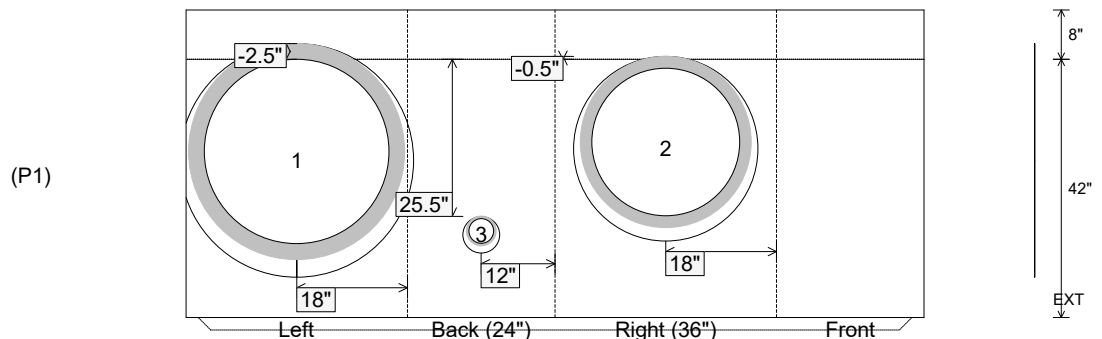
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	490.48'	270°	26"	30" HDPE	35.1"	Hole 38	38"	37"	-2.5"	0"
Invert 2	490.6'	90°	26"	24" HDPE	27.8"	Hole 30	30"	30"	-0.5"	0"
Invert 3	492.64'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	25.5"	0"
Invert 4										
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: 8"
 Floor Height: 8"

Height (Int): 42"
 Height (Ext): 50"

Weight (Net): 4617 lb
 Volume (Net): 1.18cu.yd

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

Plant: 100
 5/5/2026 12:11:09 PM

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



Structure ID: B3

P2 BX2436-08R-VH

BOX RISER 8inW, Variable Ht F/G

- P3) 24" x 36" - CASTING HEIGHT - 5"
- P2) 24" x 36" - BOX RISER 8inW, Variable Ht F/G - 31"
- P1) 24" x 36" - BOX BASE 8inW, 8inF T/n - 42"
- 1) 24" x 36" - STORM INVERT CHANNEL (FLAT) - 4" THK
- 1) CASTING - EJ 6499 Beehive Grate
- 2) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 38
- 1) Hole - 30
- 1) Hole - 6

0 lb
 3163 lb
 4617 lb
 450 lb
 250 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 8480 lb

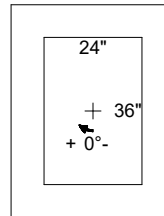
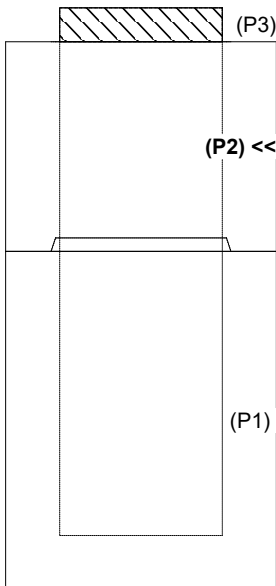
Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS.
 4. CASTING SUPPLIED BY I-CAST (EJ 6499).

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

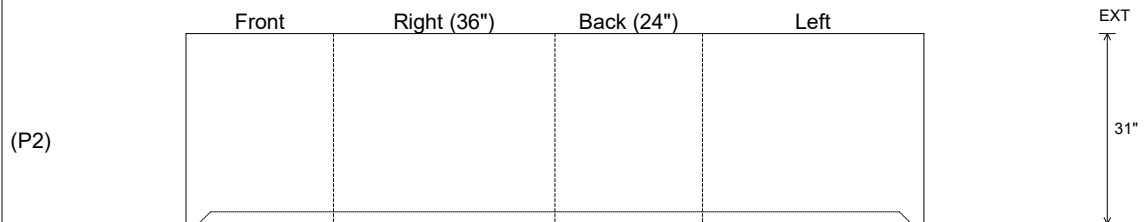
Rim: 497' Rim to Invert: 6.52' Slack: 0.24" Sump: 0" Step Position:

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										

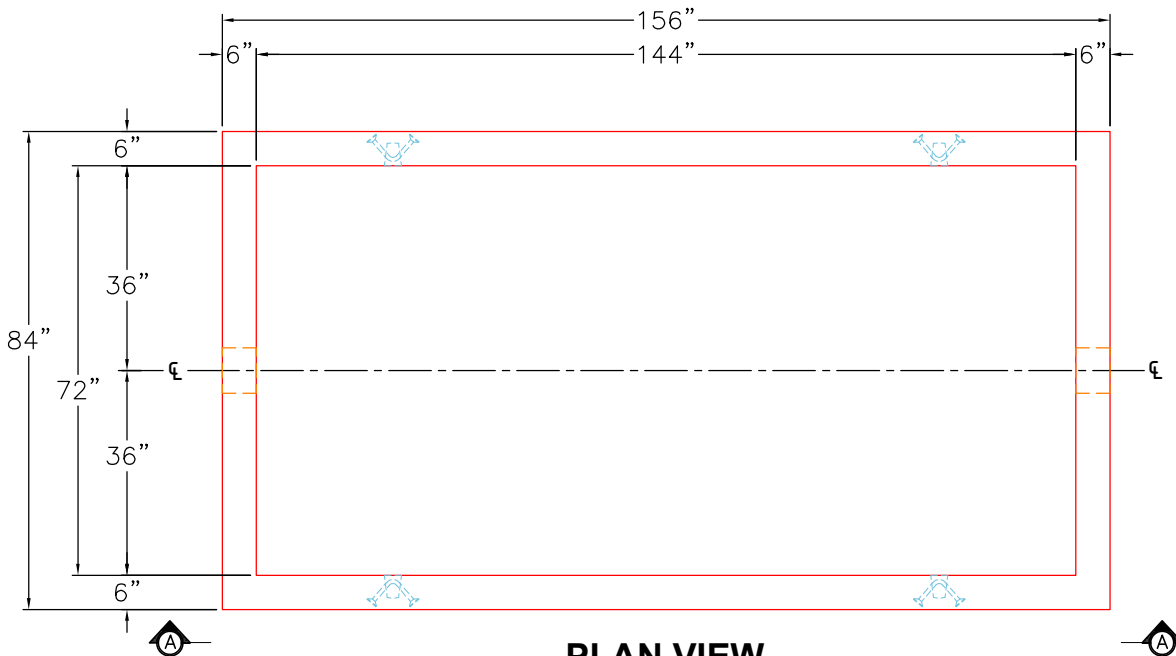
RIGHT-SIDE UP VIEW (int. dimensions)



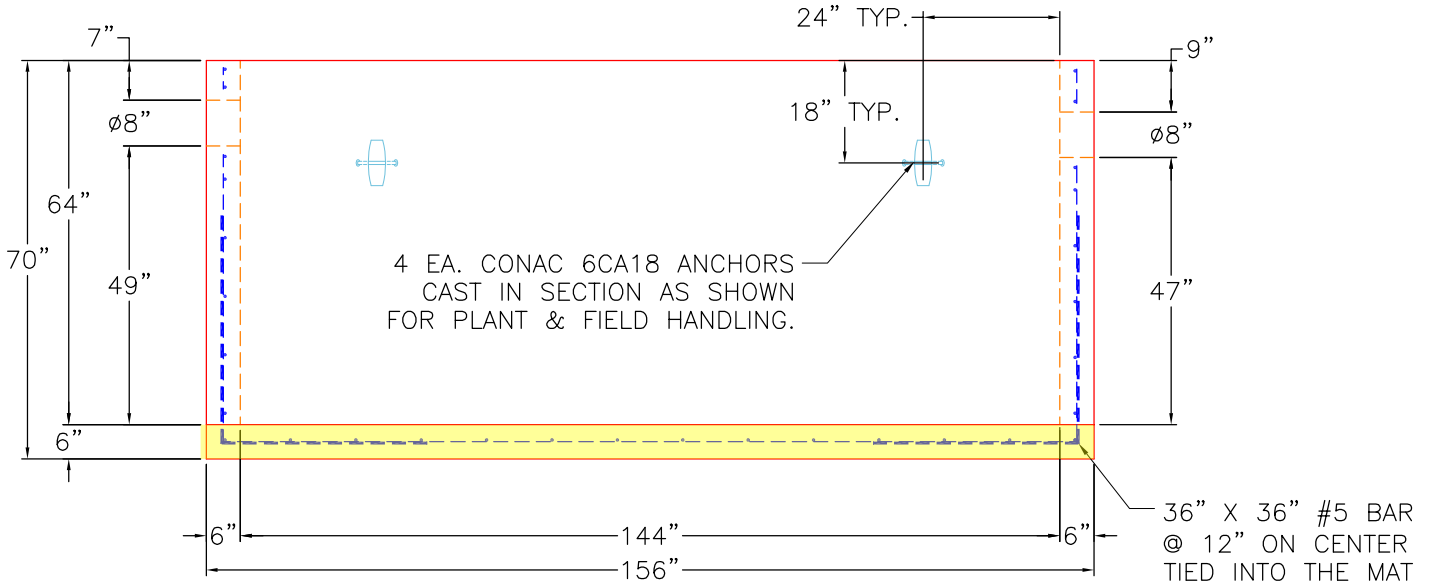
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 31" Height (Ext): 31"	Weight (Net): 3163 lb Volume (Net): 0.81cu.yd
----------------------------------	----------------------------------	--	--	--



PLAN VIEW



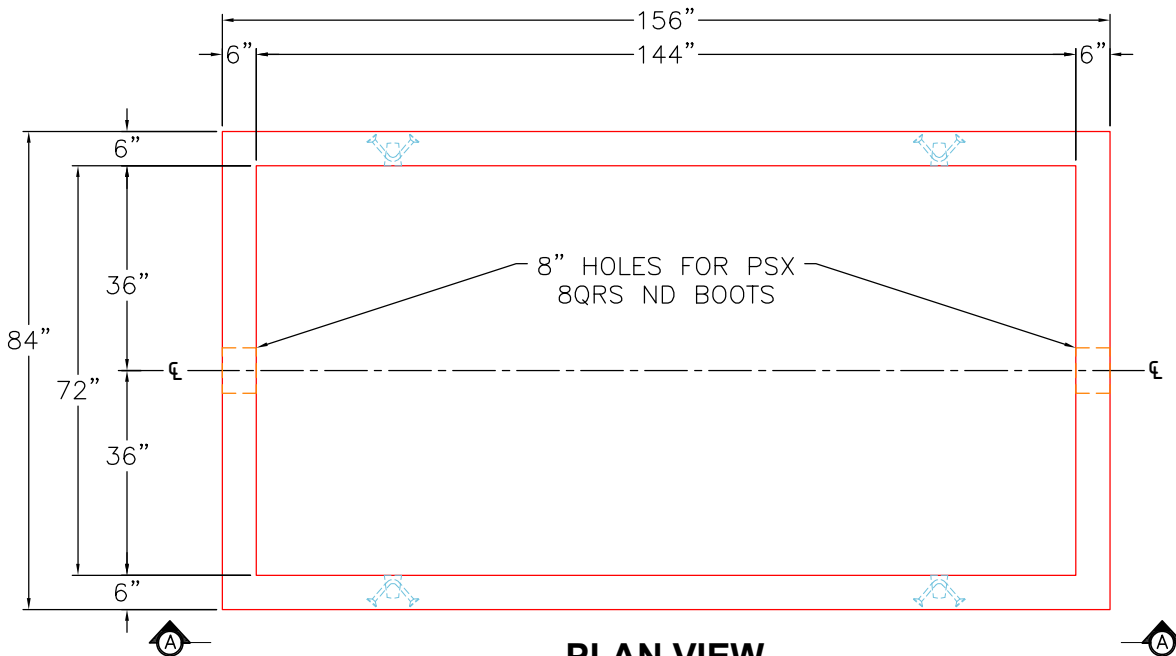
SECTION A-A

GENERAL NOTES:

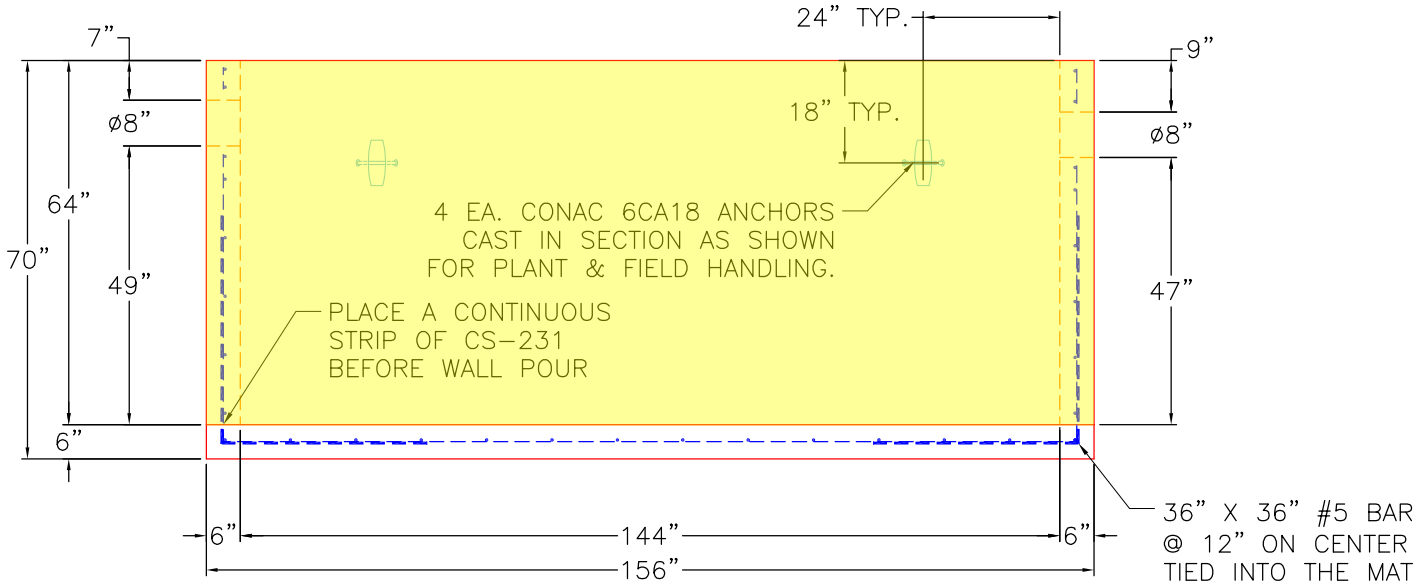
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: WALLS AND FLOOR #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHTS: TOTAL = 23,431 LBS
 FIRST POUR = 6,598 LBS
 SECOND POUR = 14,643 LBS
 THIRD POUR = 2,190 LBS
5. ICAST TO PROVIDE 2X PSX 8QRS DD BOOTS
6. JOINT SEALANT TO BE CONSEAL CS-102, 1".

FIRST POUR DRAWING

PRODUCTION WORK ORDER		PRODUCT I.D.: BX072144-06W06F-VFFT	DESCRIPTION: 72" X 144" X 64" TALL 2,000 GAL GREASE TRAP BASE	
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CORE & MAIN LP	
	<input type="checkbox"/> ALL DIMENSIONS CORRECT.	PLANT: BEAVER DAM, KY.	PROJECT: METRO CENTER GREASE TRAP	
	<input type="checkbox"/> LIFTERS INSTALLED.	WEIGHT: 23,431 LBS.	STRUCTURE: QL1 GT2000 (3)	
	<input type="checkbox"/> HOLE LOCATION(S) CORRECT.	TOP SECTION JOINT: N/A	ORDER NO: 26-2242	
	<input type="checkbox"/> REINFORCING CORRECT.	BASE SECTION JOINT: N/A	PC: T. RYAN	DRAWING: S. FELLETTER
	<input type="checkbox"/> BAFFLE POURED CORRECTLY. <input type="checkbox"/> BOOTS & BANDS INSTALLED. <input type="checkbox"/> SURFACE QUALITY ACCEPTABLE.	QC CHECK INITIALS:	DATE: 05/07/26	SCALE: NTS PG. 1 of 1



PLAN VIEW



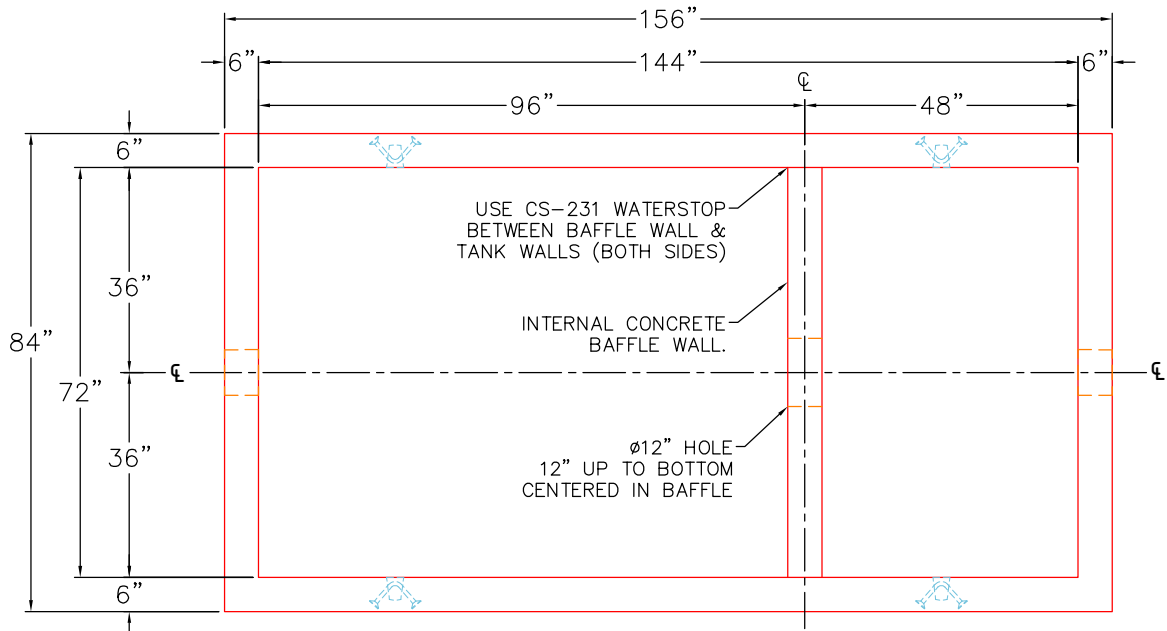
SECTION A-A

GENERAL NOTES:

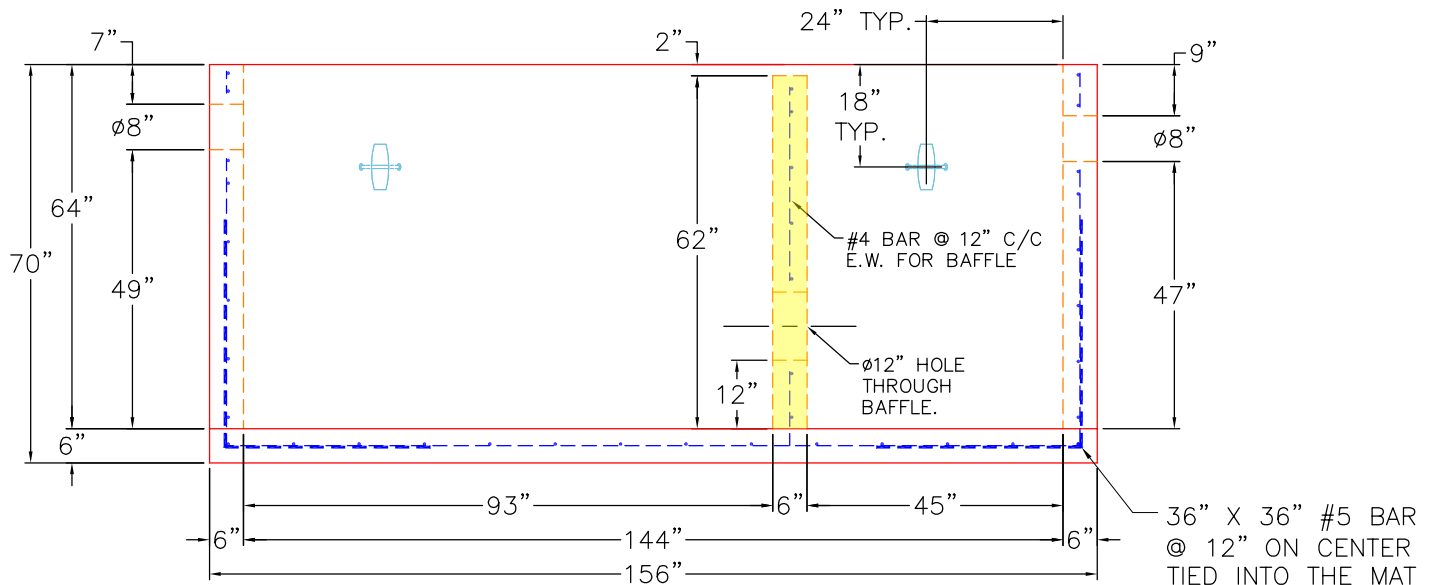
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: WALLS AND FLOOR #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHTS: TOTAL = 23,431 LBS
FIRST POUR = 6,598 LBS
SECOND POUR = 14,643 LBS
THIRD POUR = 2,190 LBS
5. ICAST TO PROVIDE 2X PSX 8QRS DD BOOTS
6. JOINT SEALANT TO BE CONSEAL CS-102, 1".

SECOND POUR DRAWING

PRODUCTION WORK ORDER		PRODUCT I.D.: BX072144-06W06F-VFFT	DESCRIPTION: 72" X 144" X 64" TALL 2,000 GAL GREASE TRAP BASE	
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CORE & MAIN LP	
	<input type="checkbox"/> ALL DIMENSIONS CORRECT.	PLANT: BEAVER DAM, KY.	PROJECT: METRO CENTER GREASE TRAP	
	<input type="checkbox"/> LIFTERS INSTALLED.	WEIGHT: 23,431 LBS.	STRUCTURE: QL1 GT2000 (3)	
	<input type="checkbox"/> HOLE LOCATION(S) CORRECT.	TOP SECTION JOINT: N/A	ORDER NO: 26-2242	
	<input type="checkbox"/> REINFORCING CORRECT.	BASE SECTION JOINT: N/A	PC: T. RYAN	DRAWING: S. FELLETTER
	<input type="checkbox"/> BAFFLE POURED CORRECTLY. <input type="checkbox"/> BOOTS & BANDS INSTALLED. <input type="checkbox"/> SURFACE QUALITY ACCEPTABLE.	QC CHECK INITIALS:	DATE: 05/07/26	SCALE: NTS PG. 1 of 1



PLAN VIEW



FRONT VIEW

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: WALLS AND FLOOR #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHTS: TOTAL = 23,431 LBS
 FIRST POUR = 6,598 LBS
 SECOND POUR = 14,643 LBS
THIRD POUR = 2,190 LBS
5. ICAST TO PROVIDE 2X PSX 8QRS DD BOOTS
6. JOINT SEALANT TO BE CONSEAL CS-102, 1".

THIRD POUR DRAWING

PRODUCTION WORK ORDER		PRODUCT I.D.: BX072144-06W06F-VFFT	DESCRIPTION: 72" X 144" X 64" TALL 2,000 GAL GREASE TRAP BASE	
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CORE & MAIN LP	
	<input type="checkbox"/> ALL DIMENSIONS CORRECT.	PLANT: BEAVER DAM, KY.	PROJECT: METRO CENTER GREASE TRAP	
	<input type="checkbox"/> LIFTERS INSTALLED.	WEIGHT: 23,431 LBS.	STRUCTURE: QL1 GT2000 (3)	
	<input type="checkbox"/> HOLE LOCATION(S) CORRECT.	TOP SECTION JOINT: N/A	ORDER NO: 26-2242	
	<input type="checkbox"/> REINFORCING CORRECT.	BASE SECTION JOINT: N/A	PC: T. RYAN	DRAWING: S. FELLETTER
	<input type="checkbox"/> BAFFLE POURED CORRECTLY. <input type="checkbox"/> BOOTS & BANDS INSTALLED. <input type="checkbox"/> SURFACE QUALITY ACCEPTABLE.	QC CHECK INITIALS:	DATE: 05/07/26	SCALE: NTS PG. 1 of 1

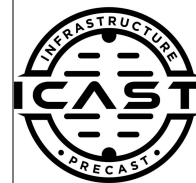
Job Name: 26-1228 - L&N Federal Credit Union
 Job Location: Louisville, KY 40243
 Contractor: H & W Landworks

Plant: 100

5/6/2026 12:05:19 PM

Tech: Jared - A

PC: T. Lewis



Structure ID: S-3-4 YD

P1 BX18180606VF

BOX BASE 6inW, 6inF, Variable Ht T/n

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

0 lb
 725 lb
 1421 lb
 138 lb
 0 lb
 0 lb

 2284 lb

Structure Total: 2284 lb

Structure Notes:

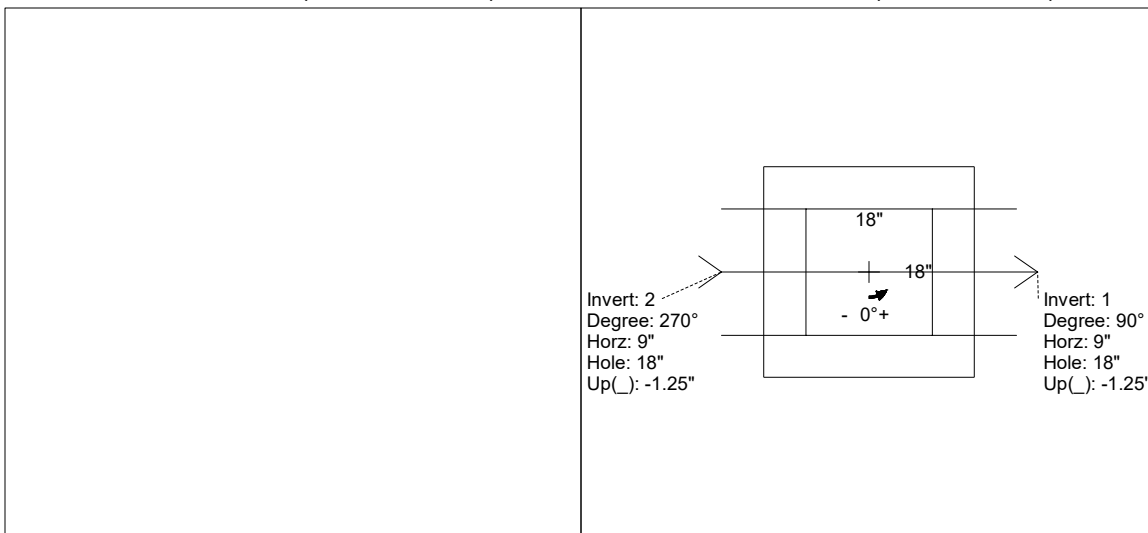
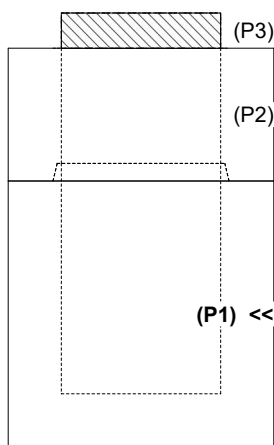
1. PER LOUISVILLE MSD / ASTM C-913 SPECS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. NO STORM INVERT
5. NO STEPS
6. HOE 165-A FRAME & GRATE SUPPLIED BY ICAST

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

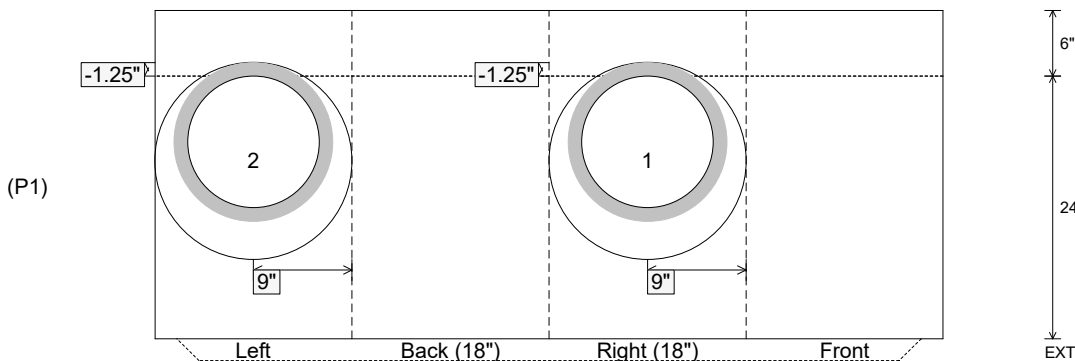
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	743.4'	90°	15"	12" ADS N-12	14.5"	Hole 18	18"	18"	-1.25"	0"
Invert 2	743.4'	270°	15"	12" ADS N-12	14.5"	Hole 18	18"	18"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 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: 6"
 Floor Height: 6"

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

Weight (Net): 1421 lb
 Volume (Net): 0.36cu.yd

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

Plant: 100
 4/21/2026 8:03:23 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: S35-35 ST-DBI

P1 BX2424-08BAVF

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

- P2) 24" x 24" - CASTING HEIGHT - 0"
- P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 27"
- 1) CASTING - HOE HOE-315 ANGLE F/G
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 18

0 lb
 3223 lb
 258 lb
 0 lb
 0 lb

 Structure Total: 3481 lb

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

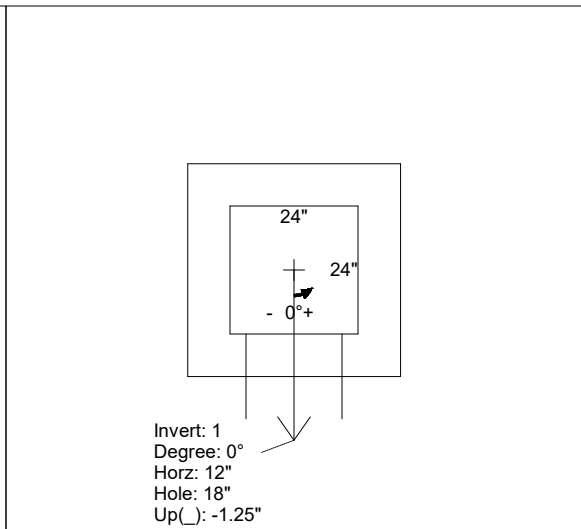
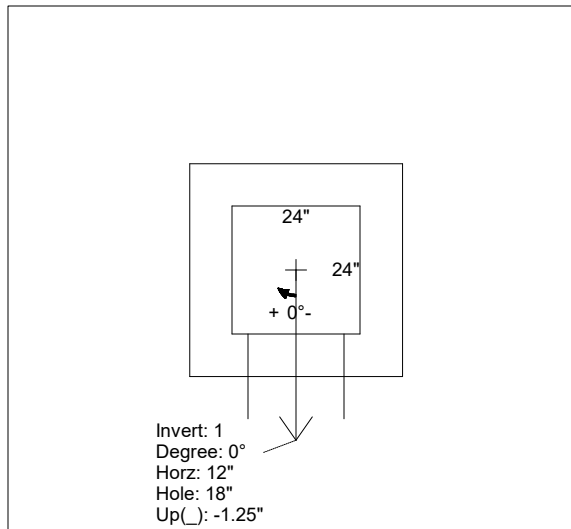
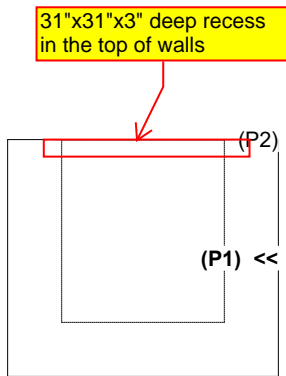
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 383.25' Rim to Invert: 2.25' Slack: 0" Sump: 0" Step Position:

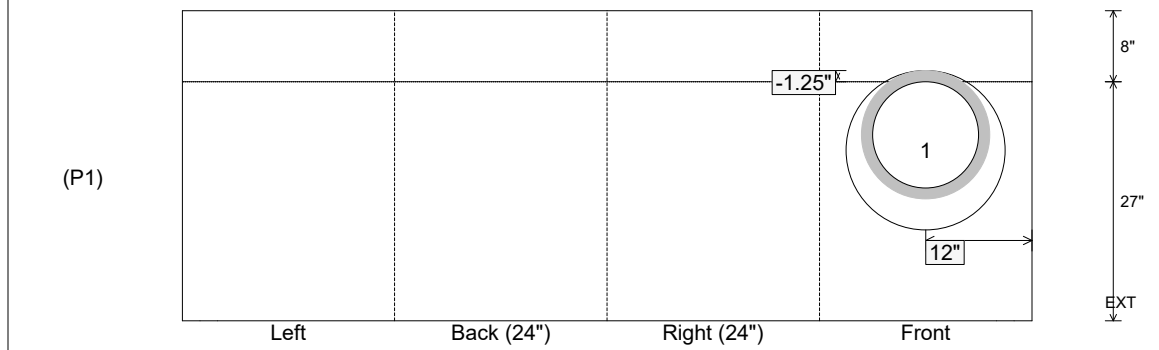
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	381'	0°	20"	12" HDPE	14.5"	Hole 18	18"	18"	-1.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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): 27" Height (Ext): 35"	Weight (Net): 3223 lb Volume (Net): 0.82cu.yd
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Job Name: 26-1232 - Mustang Village Apartments Ph.1
 Job Location: Paducah, KY
 Contractor: Wood Brothers

Plant: 100
 4/21/2026 8:03:23 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: S36-36 ST-DBI

P1 BX2424-08BA30

BOX BASE 8inW, 8inF F/n

- P2) 24" x 24" - CASTING HEIGHT - 0"
- P1) 24" x 24" - BOX BASE 8inW, 8inF F/n - 30"
- 1) CASTING - HOE HOE-315 ANGLE F/G
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 14

0 lb
 3506 lb
 258 lb
 0 lb
 0 lb

 0 lb
 Structure Total: 3764 lb

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

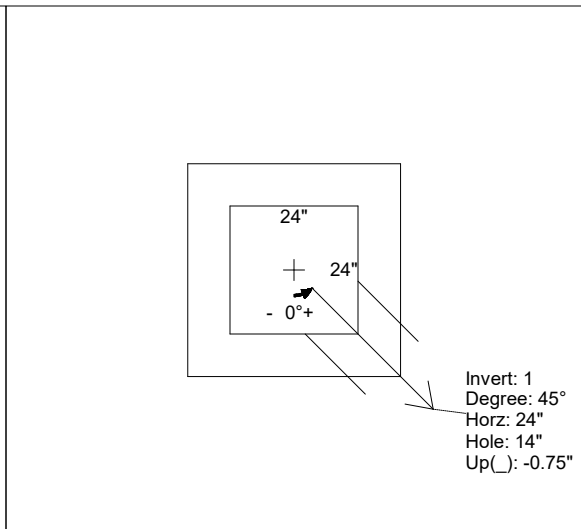
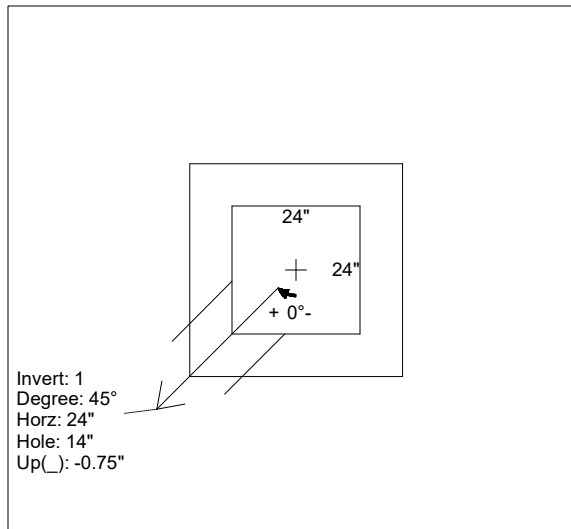
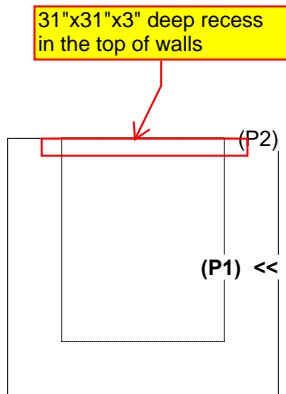
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 383.7' Rim to Invert: 2.5' Slack: 0" Sump: 0" Step Position:

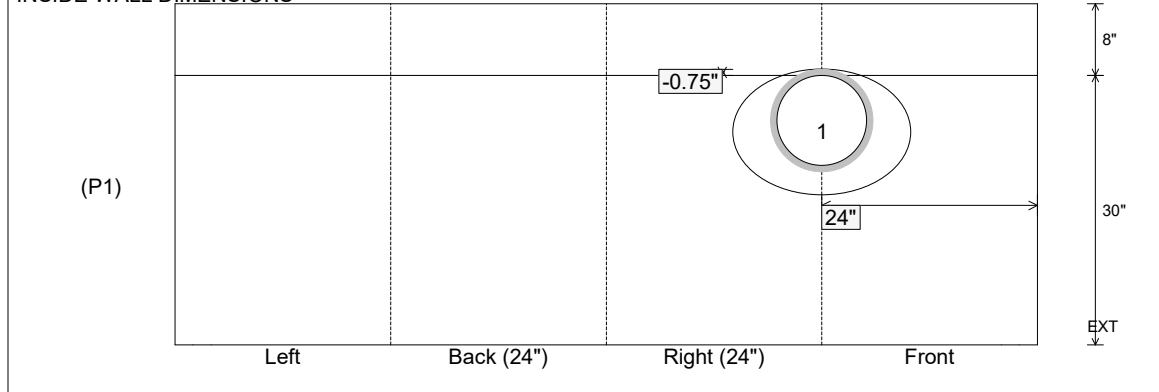
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	381.2'	45°	40"	10" HDPE	11.4"	Hole 14	14"	9.899", 9.899"	-0.75"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

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

Weight (Net): 3506 lb
 Volume (Net): 0.9cu.yd

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

Plant: Beaver Dam

4/23/2026 11:20:18 AM

Tech: J. Coppage

PC: A. Chambers



Structure ID: SCI 118

P1 BX2430-08BA48

BOX BASE 8inW, 8inF

- P3) 24" x 30" - CASTING HEIGHT - 6"
- P2) 24" x 30" - GRADE RING - 3"
- P1) 24" x 30" - BOX BASE 8inW, 8inF - 48"
- 1) CASTING - HOE 360 Set (F/G/H)
- 2) 24" x 30" - Conseal CS-102 1.00"
- 1) Hole - 18

- Structure Notes:**
1. JR HOE HOE-360 PROVIDED BY ICAST.
 2. PER ASTM C913 SPECIFICATIONS.
 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 4. REINFORCING PER ASTM A615 (GRADE 60).
- RISER/WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

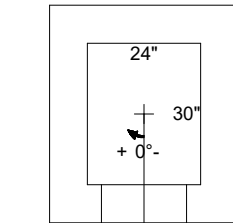
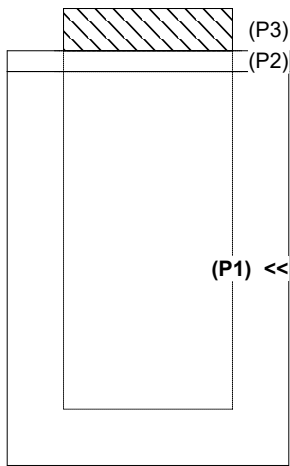
Structure Total: 6219 lb

Rim: 869.5' Rim to Invert: 4.75' Slack: 1.25" Sump: 1.25" Step Position:

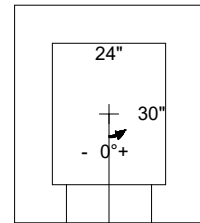
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	864.75'	0°	20"	12" HDPE	14.5"	Hole 18	18"	18"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

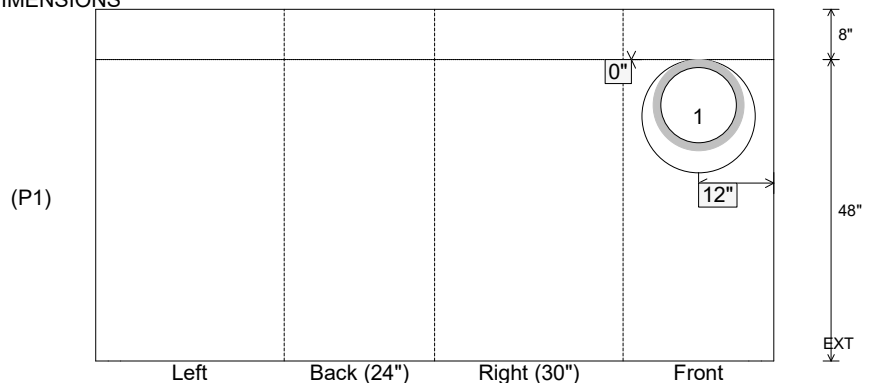


Invert: 1
 Degree: 0°
 Horz: 12"
 Hole: 18"
 Up(): 0"



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

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

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

Weight (Net): 5575 lb
 Volume (Net): 1.42cu.yd

Job Name: 25-3364 East Side Retention Pond
 Job Location: Shelbyville, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/8/2026 2:27:24 PM

Tech: J. Horsley
 PC: T. Leweis



Structure ID: OCS

P1 BX6060-08BAVF

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

- P2) 60" x 60" - BX FLAT LID 8inW w/36"x36" HATCH F/F - 8"
- P1) 60" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 60"
- 1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
- 1) 60" x 60" - Conseal CS-102 1.00"
- 3) Hole - 26
- 5) MH Step ML-10-TDS-NCR - 10"

3007 lb
 13764 lb
 78 lb
 0 lb
 0 lb
 0 lb

Structure Total: 16849 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. ALUM. HATCH BY ICAST (W1S 36"x36")

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

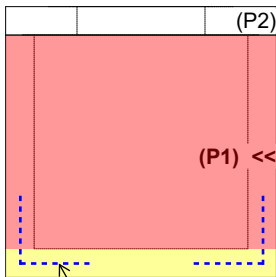
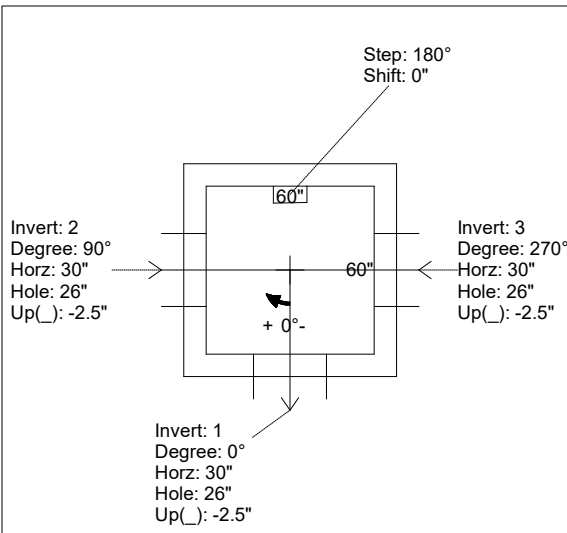
First Pour Drawing
First Pour Weight = 4,003 LBS
Second Pour Weight = 9,761 LBS

Rim: 5.67' Rim to Invert: 5.67' Slack: 0.04" Sump: 0" Step Position: 180

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	0'	0°	38"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 2	0'	90°	38"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 3	0'	270°	38"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

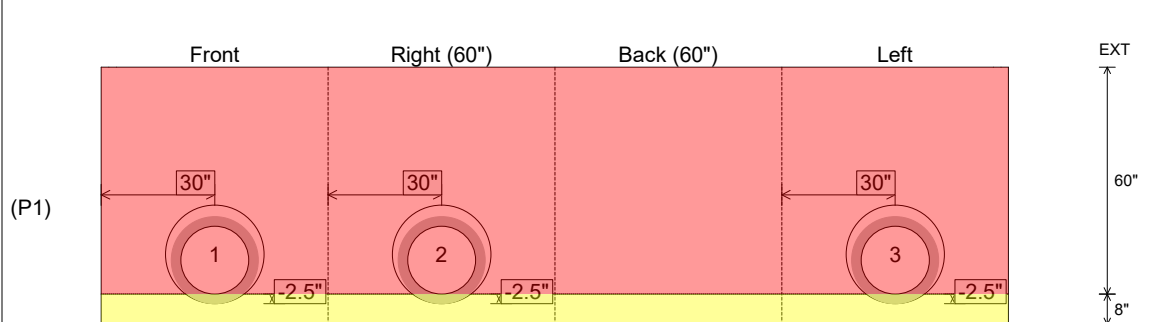
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



#5 L Bars cast-in floor

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

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

Weight (Net): 13764 lb
 Volume (Net): 3.52cu.yd

Job Name: 25-3364 East Side Retention Pond
 Job Location: Shelbyville, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/8/2026 2:27:24 PM

Tech: J. Horsley
 PC: T. Leweis



Structure ID: OCS

P1 BX6060-08BAVF

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

- P2) 60" x 60" - BX FLAT LID 8inW w/36"x36" HATCH F/F - 8"
- P1) 60" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 60"
- 1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
- 1) 60" x 60" - Conseal CS-102 1.00"
- 3) Hole - 26
- 5) MH Step ML-10-TDS-NCR - 10"

3007 lb
 13764 lb
 78 lb
 0 lb
 0 lb
 0 lb

Structure Total: 16849 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. ALUM. HATCH BY ICAST (W1S 36"x36")

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

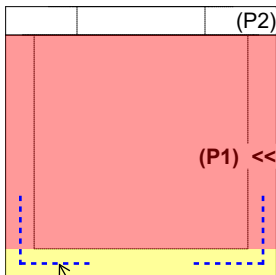
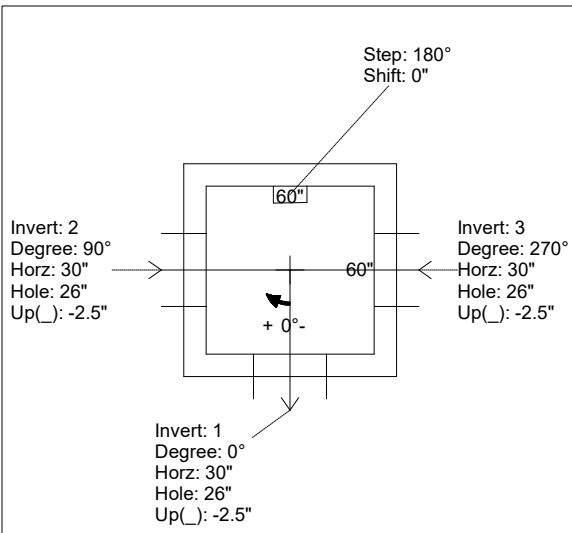
Second Pour Drawing
First Pour Weight = 4,003 LBS
Second Pour Weight = 9,761 LBS

Rim: 5.67' Rim to Invert: 5.67' Slack: 0.04" Sump: 0" Step Position: 180

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	0'	0°	38"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 2	0'	90°	38"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 3	0'	270°	38"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

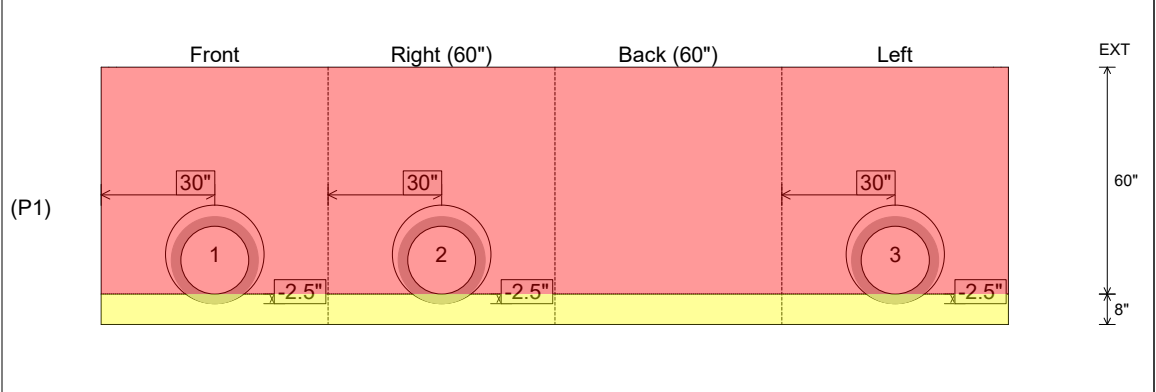
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



#5 L Bars cast-in floor

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 60" Height (Ext): 68"	Weight (Net): 13764 lb Volume (Net): 3.52cu.yd
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Job Name: 25-3364 East Side Retention Pond
 Job Location: Shelbyville, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/8/2026 2:27:33 PM

Tech: J. Horsley
 PC: T. Leweis



Structure ID: OCS

P2 BX060060-08LD08-S

BX FLAT LID 8inW w/36"x36" HATCH F/F

- P2) 60" x 60" - BX FLAT LID 8inW w/36"x36" HATCH F/F - 8"
- P1) 60" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 60"
- 1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
- 1) 60" x 60" - Conseal CS-102 1.00"
- 3) Hole - 26
- 5) MH Step ML-10-TDS-NCR - 10"

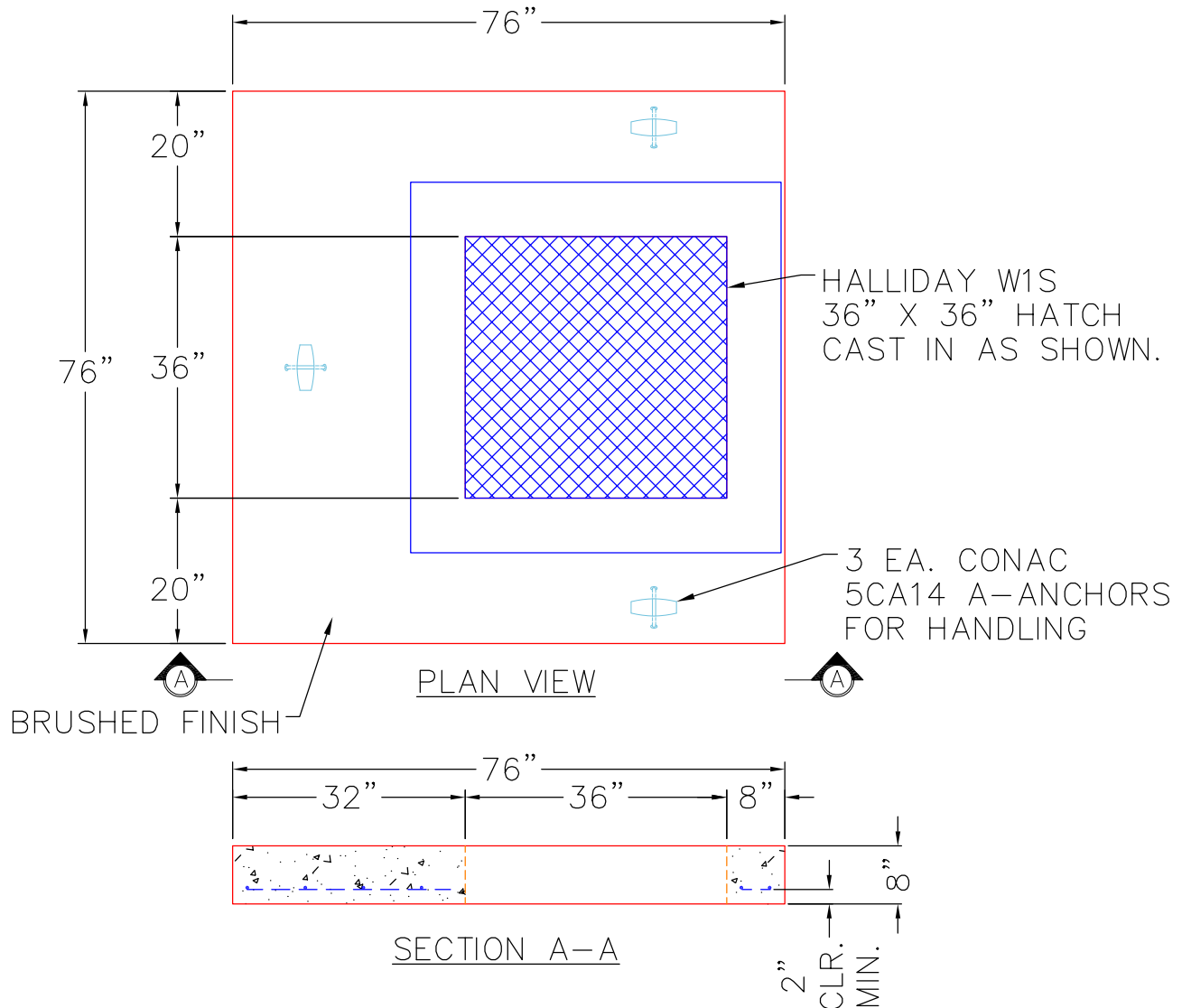
3007 lb
 13764 lb
 78 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 16849 lb

Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,500 PSI AT 28 DAYS.
 3. ALUM. HATCH BY ICAST (W1S 36"x36")

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

NOTES:

- 1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- 2. CONCRETE: 4,500 PSI AT 28 DAYS.
- 3. REINFORCING #5 BAR @ 6" C.C.E.W.



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 3007 lb
 Volume (Net): 0.77cu.yd

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

Plant: 100

5/5/2026 8:17:40 PM

Tech: Jared - F

PC: E. Bradley



Structure ID: METER VAULT - 2

P1 BX4884-06BAVF-FLAT

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

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

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

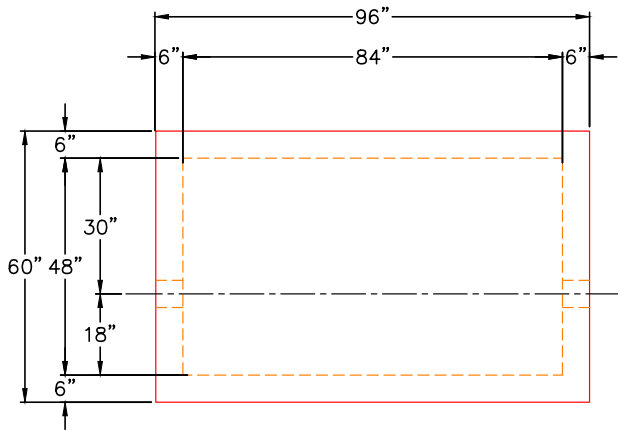
 Structure Total: 13334 lb

Structure Notes:

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

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

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



PLAN VIEW

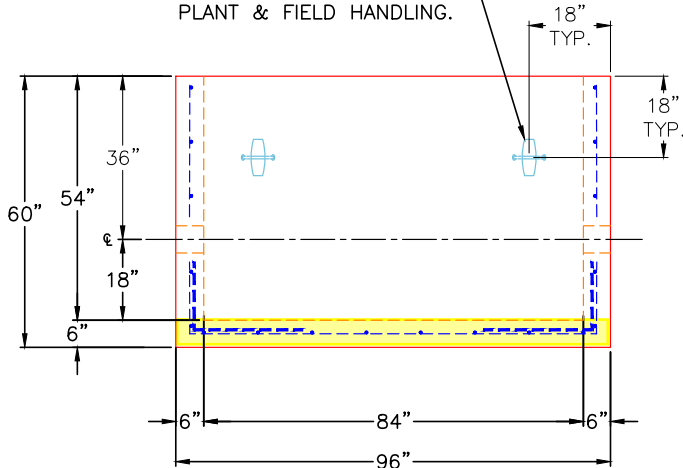
GENERAL NOTES:

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

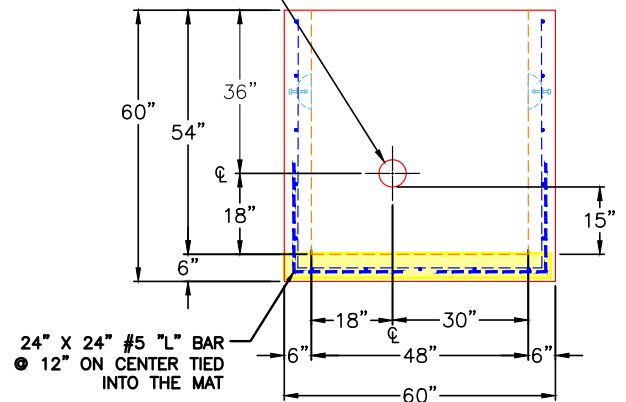
FIRST POUR DRAWING

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

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



FRONT VIEW



RIGHT VIEW

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 6"
 Floor Height: 6"

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

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

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

Plant: 100

5/5/2026 8:17:40 PM

Tech: Jared - F

PC: E. Bradley



Structure ID: METER VAULT - 2

P1 BX4884-06BAVF-FLAT

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

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

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

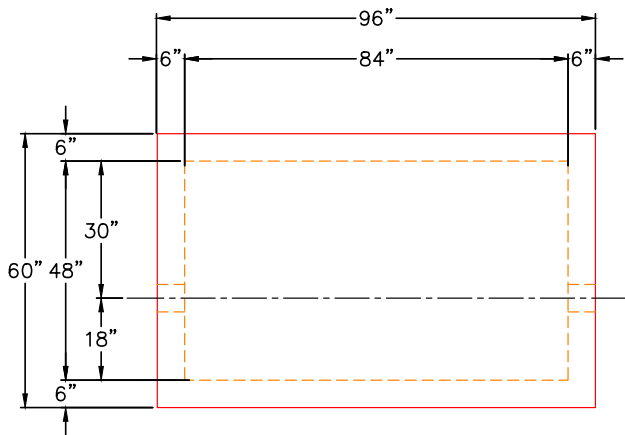
 Structure Total: 13334 lb

Structure Notes:

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

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

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

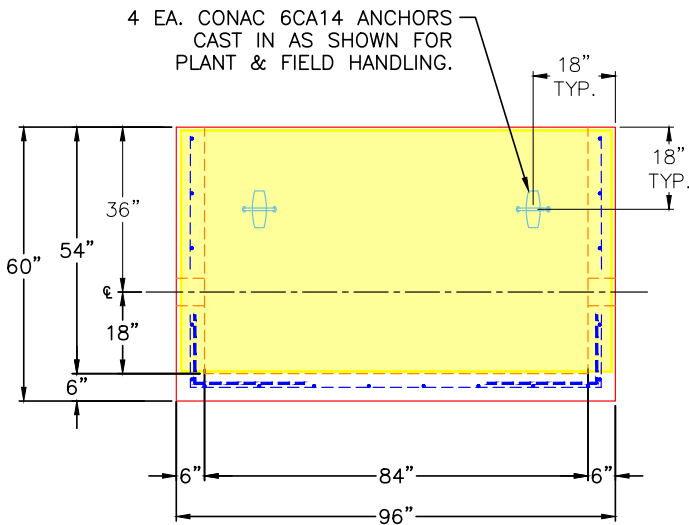


PLAN VIEW

GENERAL NOTES:

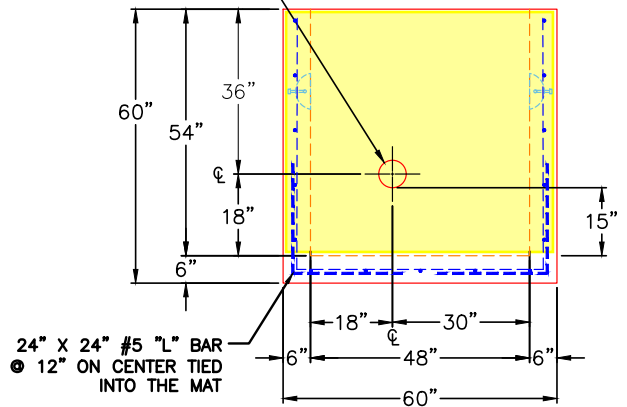
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHT:
 FIRST POUR - 2,900 LBS.
 SECOND POUR - 7,830 LBS.
 TOTAL - 10,730 LBS.

SECOND POUR DRAWING



FRONT VIEW

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



RIGHT VIEW

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 6"
 Floor Height: 6"

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

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

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

Plant: 100
 5/5/2026 8:17:54 PM

Tech: Jared - F
 PC: E. Bradley



Structure ID: METER VAULT - 2

P2 BX4884-06LD08-SP

CB FLAT TOP 6"W w/36"x60" HATCH F/F

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

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

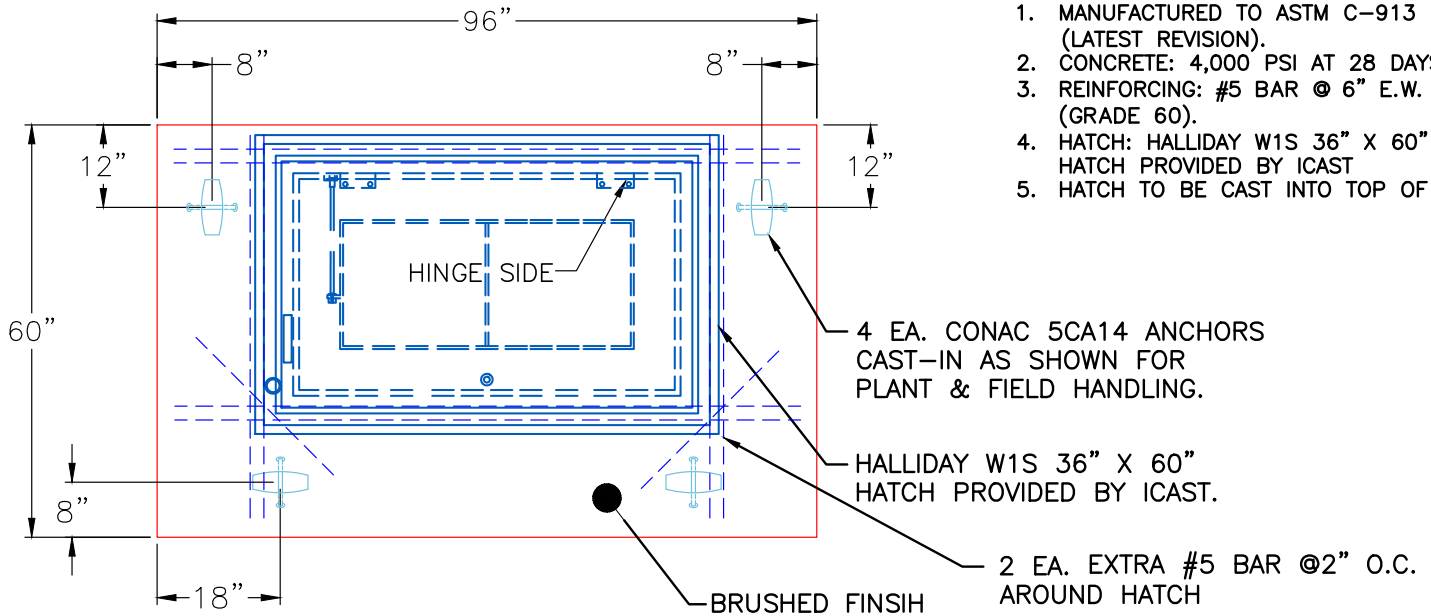
 Structure Total: 13334 lb

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

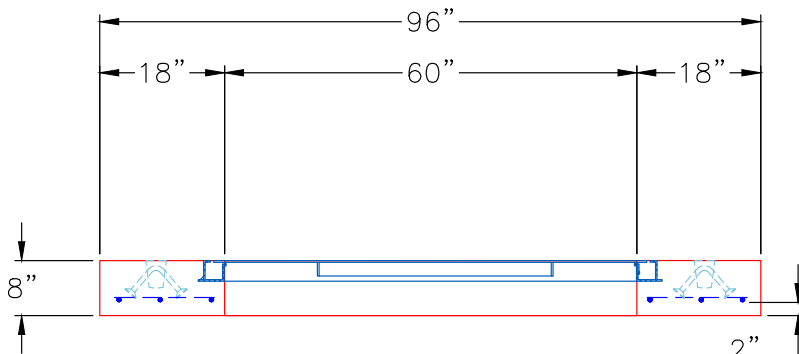
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

GENERAL NOTES:

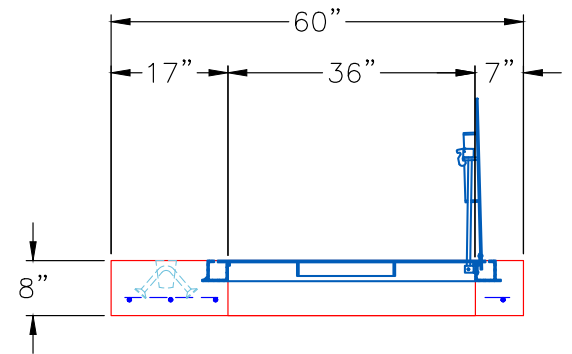
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" E.W. O.C. (GRADE 60).
4. HATCH: HALLIDAY W1S 36" X 60" HATCH PROVIDED BY ICAST
5. HATCH TO BE CAST INTO TOP OF LID.



PLAN VIEW



FRONT VIEW



RIGHT VIEW

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2417 lb
 Volume (Net): 0.62cu.yd

Job Name: 26-2074 - Christian Co. Ball Field Line K
 Job Location: Hopkinsville, KY
 Contractor: Herring Construction, Inc.

Plant: 100

5/8/2026 6:13:58 AM

Tech: J. Horsley

PC: E. Bradley



Structure ID: KST5 (JST1) ST-DBI

P2 BX024024-08LD08S

BX FLAT LID 8inW w/HOE 280T CAST IN F/F

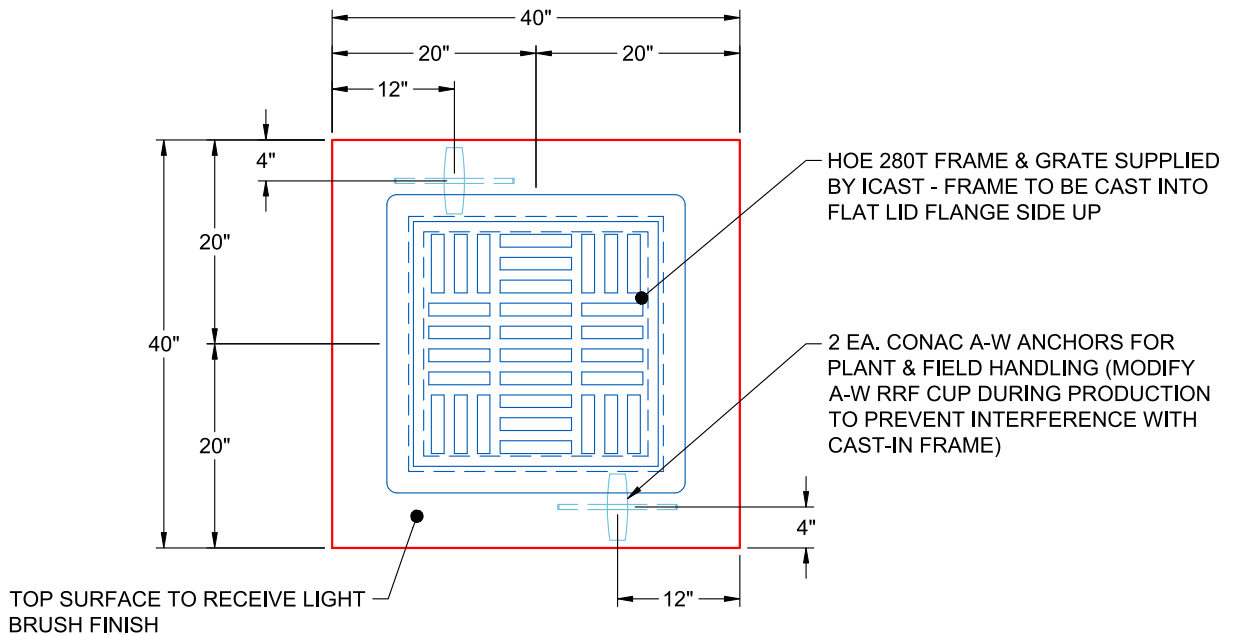
- P3) 24" x 24" - CASTING (cast in) - 0"
- P2) 24" x 24" - BX FLAT LID 8inW w/HOE 280T CAST IN F/F - 8"
- P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 29"
- 1) This Structure Includes a Cast-in Item - HOE 280T Frame (Supplied by iCast)
- 1) CASTING - HOE 280T F/G
- 2) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 18

0 lb
 885 lb
 3395 lb
 0 lb
 182 lb
 0 lb
 0 lb

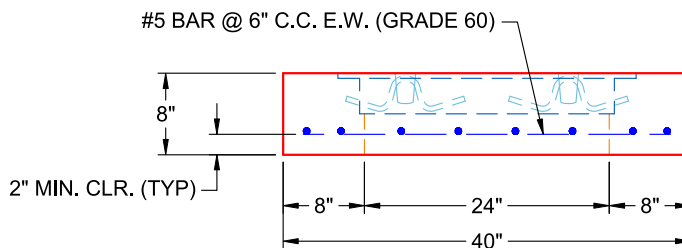
 4462 lb

Structure Total: 4462 lb

- Structure Notes:
1. PER ASTM C-913 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. HOE 280T FRAME & GRATE SUPPLIED BY ICAS - FRAME TO BE CAST INTO FLAT LID FLANGE SIDE UP
 5. LIFTERS: 2 EA. CONAC A-W ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
 6. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH



**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 885 lb
 Volume (Net): 0.23cu.yd

Job Number:

26-2074

Job Name:

Christian Co. Ball Field Line K

Structure:

KST5 (JST1) ST-DBI

Note:

HOE 280T Frame Supplied By iCast
To Be Cast Into Flat Lid Flange Side
Up

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

Plant: 100
 4/21/2026 8:04:33 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: S41-41 DBI13G

P2 BX024036-08TS015027

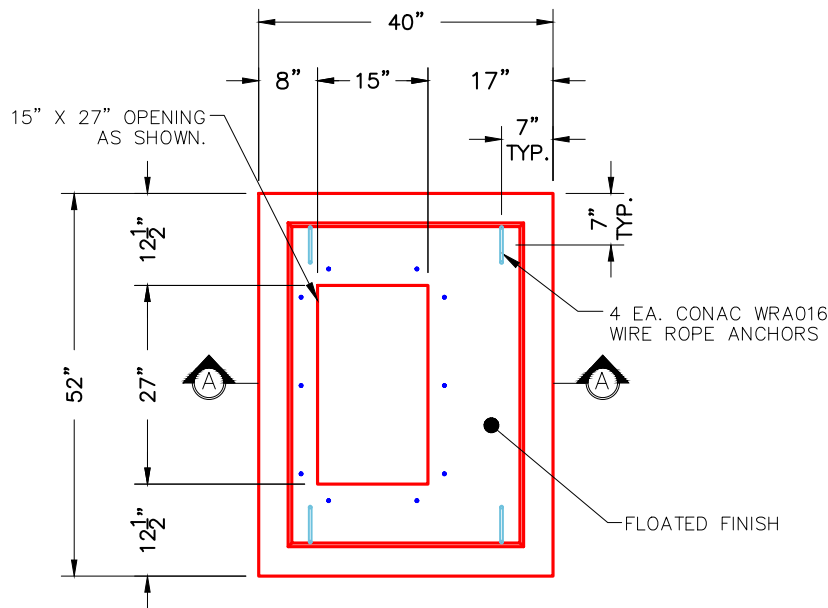
CB FT REDUCER 15"X27" HOLE T/F

- P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
- P2) 24" x 36" - CB FT REDUCER 15"X27" HOLE F/F - 8"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 27"
- 1) CASTING - HOE KY-230-G F/G (GRADE)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) 15" x 27" - Conseal CS-102 1.00"
- 1) Hole - 18
- 1) Hole - 14
- 2) Hole - 4

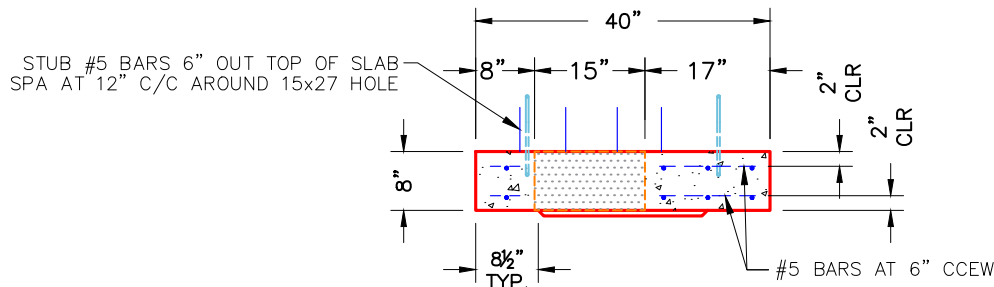
0 lb
 1124 lb
 3844 lb
 237 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 5206 lb

Structure Notes:
 1. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE KY-230-G F/G (GRADE)).

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



PLAN VIEW



SECTION A-A

NOTES:

- 1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- 2. CONCRETE: 4,000 PSI AT 28 DAYS.
- 3. REINFORCING: #5 BAR @ 6" O.C. E.W. (DOUBLE MAT) (GRADE 60).

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

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

Job Name: 26-1582 - Wyelea Commons Water Vault
 Job Location: Franklin, TN
 Contractor: Core & Main LP

Plant: 100

5/1/2026 1:12:53 PM

Tech: Jared - A

PC: T. Lewis



Structure ID: 2 (2)

P1 BX7296-06W06F-BA42

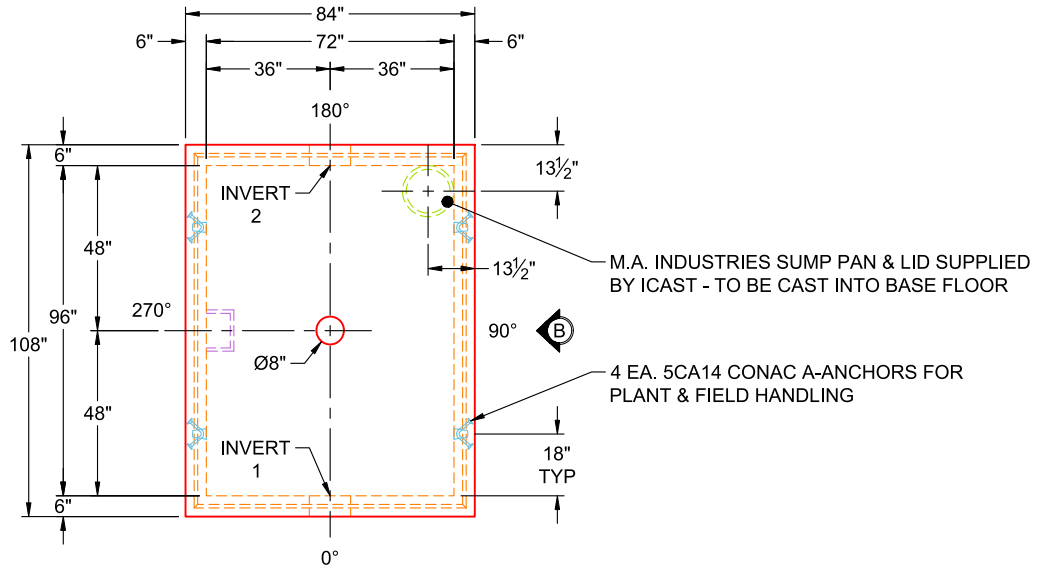
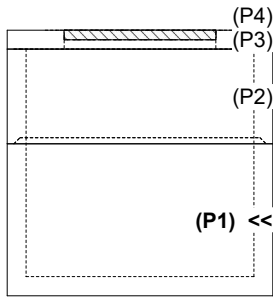
BOX BASE 6inW, 6inF T/n

P4) 48" x 72" - HATCH (CAST FLUSH) - 3"	0 lb
P3) 72" x 96" - CB FLAT TOP 6"W w/48"x72" HATCH F/F - 6"	3000 lb
P2) 72" x 96" - BOX RISER 6inW, Variable Ht FT F/G - 30"	5437 lb
P1) 72" x 96" - BOX BASE 6inW, 6inF T/n - 42"	12041 lb
1) This Structure Includes a Cast-in Item - 48" X 72" Hatch (Supplied by Others)	0 lb
1) This Structure Includes a Cast-in Item - M.A. Industries Sump Pan & Lid (Supplied by iCast)	0 lb
1) SUMP DISH - M.A. Industries Sump Pan & Lid	0 lb
2) 72" x 96" - Conseal CS-102 1.00" (Double)	0 lb
2) Hole - 12	0 lb
6) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	20478 lb

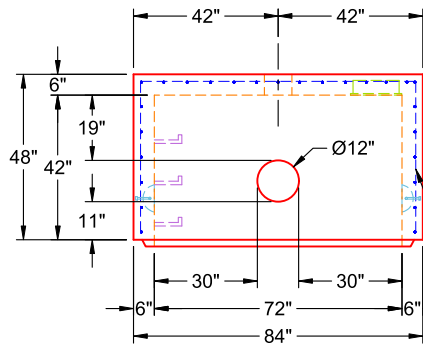
- Structure Notes:**
- PER ASTM C-913 SPECIFICATIONS
 - CONCRETE: 5,000 PSI AT 28 DAYS
 - REINFORCEMENT: #4 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 - STEPS AT 270 DEGREES
 - M.A. INDUSTRIES SUMP PAN & LID SUPPLIED BY ICAS - TO BE CAST INTO BASE FLOOR
 - 8" DIA. OPENING REQUIRED IN BASE FLOOR FOR 4" PVC FLOOR DRAIN
 - LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN

Rim: 6.5' Rim to Invert: 4.75' Slack: 0" Sump: 21" Step Position: 270°

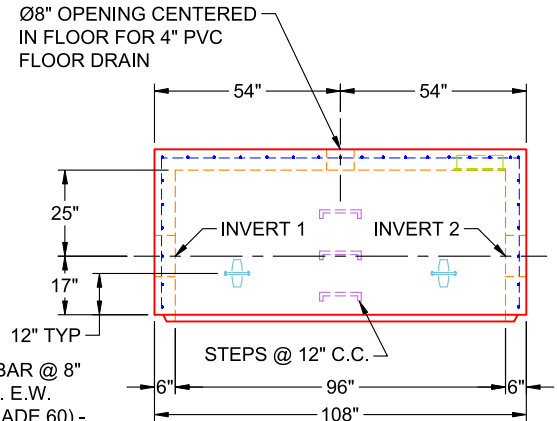
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1	1.75'	0°	42"	8" DI	9"	Hole 12	12"	12"	19"	0"
Invert 2	1.75'	180°	42"	8" DI	9"	Hole 12	12"	12"	19"	0"
Invert 3										



PLAN VIEW (UPSIDE DOWN)



VIEW A (UPSIDE DOWN)



VIEW B (UPSIDE DOWN)

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 42"
Height (Ext): 48"

Weight (Net): 12041 lb
Volume (Net): 3.08cu.yd

Job Number:

26-1582

Job Name:

Wyelea Commons Water Vault

Structure:

2 (2)

Note:

M.A. Industries Sump Pan & Lid
Supplied By iCast To Be Cast Into
Base Floor

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 1:22:29 PM

PC: Celina Goff



Structure ID: ARV4

P1 CFB

108" X 16" X 6" Footer Blocks - 2 Ea. F/n

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

0 lb
 4806 lb
 8859 lb
 1740 lb (870 lb Ea.)
 0 lb
 0 lb
 0 lb

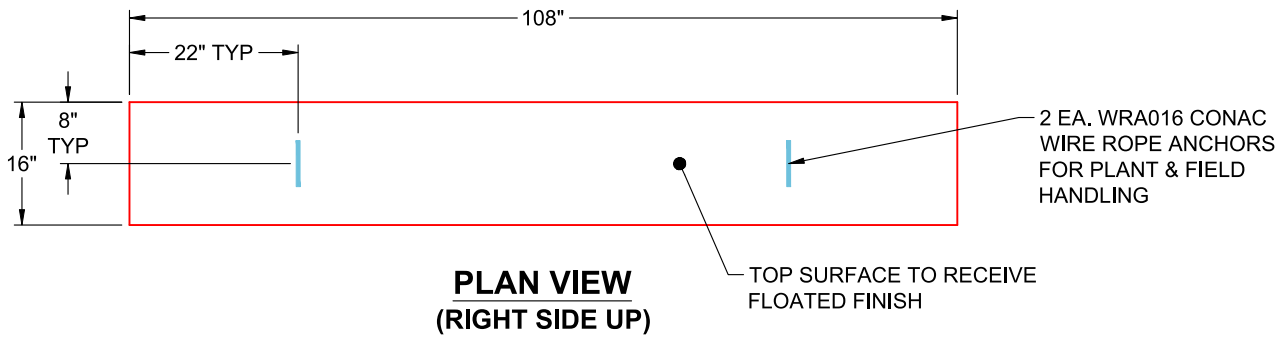
 Structure Total: 15405 lb

Structure Notes:

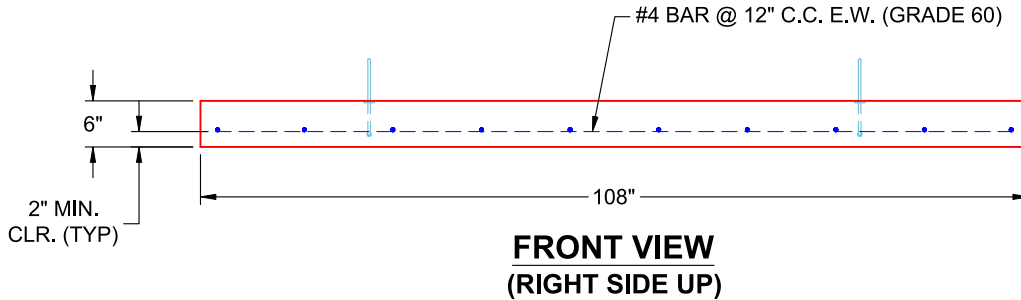
1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. LIFTERS: 2 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
5. TOP SURFACE TO RECEIVE FLOATED FINISH

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

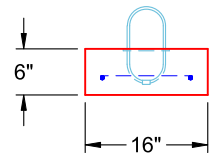
2 EA. FOOTER BLOCKS REQUIRED PER ARV



**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**



**SIDE VIEW
(RIGHT SIDE UP)**

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 6"
 Floor Height: 6"

Height (Int): 0"
 Height (Ext): 0"

Weight (Net): 870 lb
 Volume (Net): 0.22cu.yd

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

Plant: 100

3/20/2026 1:22:29 PM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: ARV4

P1 CFB

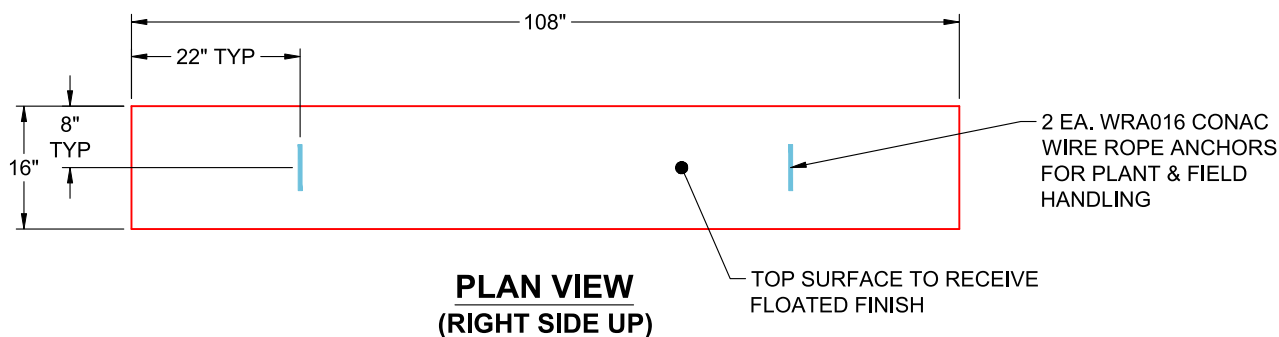
108" X 16" X 6" Footer Blocks - 2 Ea. F/n

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 72" x 84" - CB FLAT TOP 6"W w/(2) 24" HOLES F/F - 8"	4806 lb
P2) 72" x 84" - BOX RISER 6inW, Variable Ht F/F - 54"	8859 lb
P1) 72" x 84" - 108" X 16" X 6" Footer Blocks - 2 Ea. F/n - 6"	1740 lb (870 lb Ea.)
2) 72" x 84" - Conseal CS-102 1.00" (Double)	0 lb
2) DOGHOUSE - 24"x14	0 lb
6) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	15405 lb

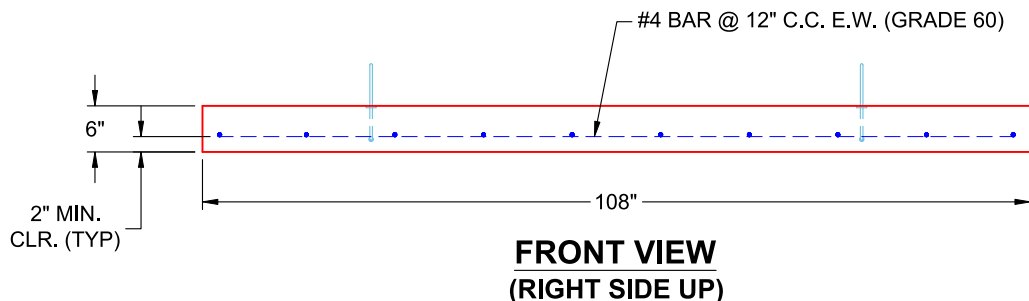
- Structure Notes:
1. PER ASTM C-913 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. LIFTERS: 2 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
 5. TOP SURFACE TO RECEIVE FLOATED FINISH

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

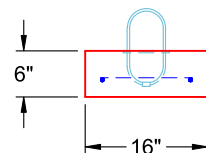
2 EA. FOOTER BLOCKS REQUIRED PER ARV



**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**



**SIDE VIEW
(RIGHT SIDE UP)**

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 0"
Height (Ext): 0"

Weight (Net): 870 lb
Volume (Net): 0.22cu.yd