

Job Name: 26-1453 Clarksville, TN SPC13A
 Job Location: Clarksville, TN
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam

Tech: J. Coppage

4/23/2026 7:30:29 AM

PC: C. Goff



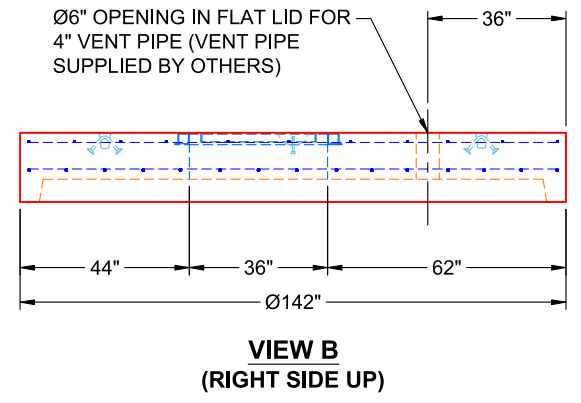
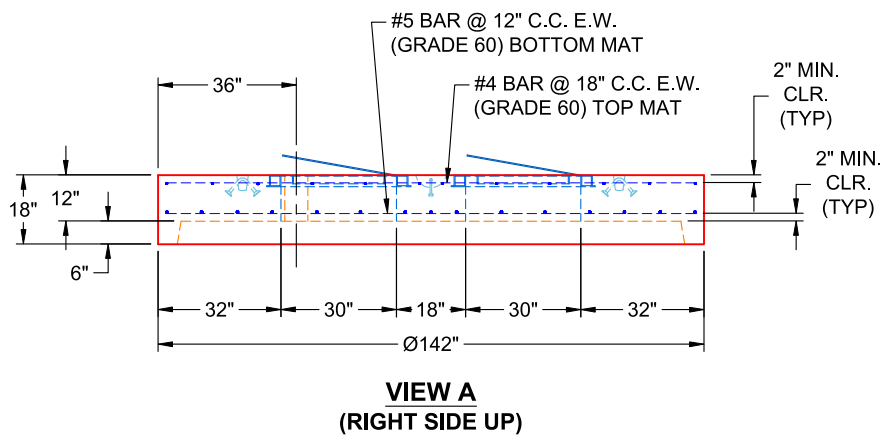
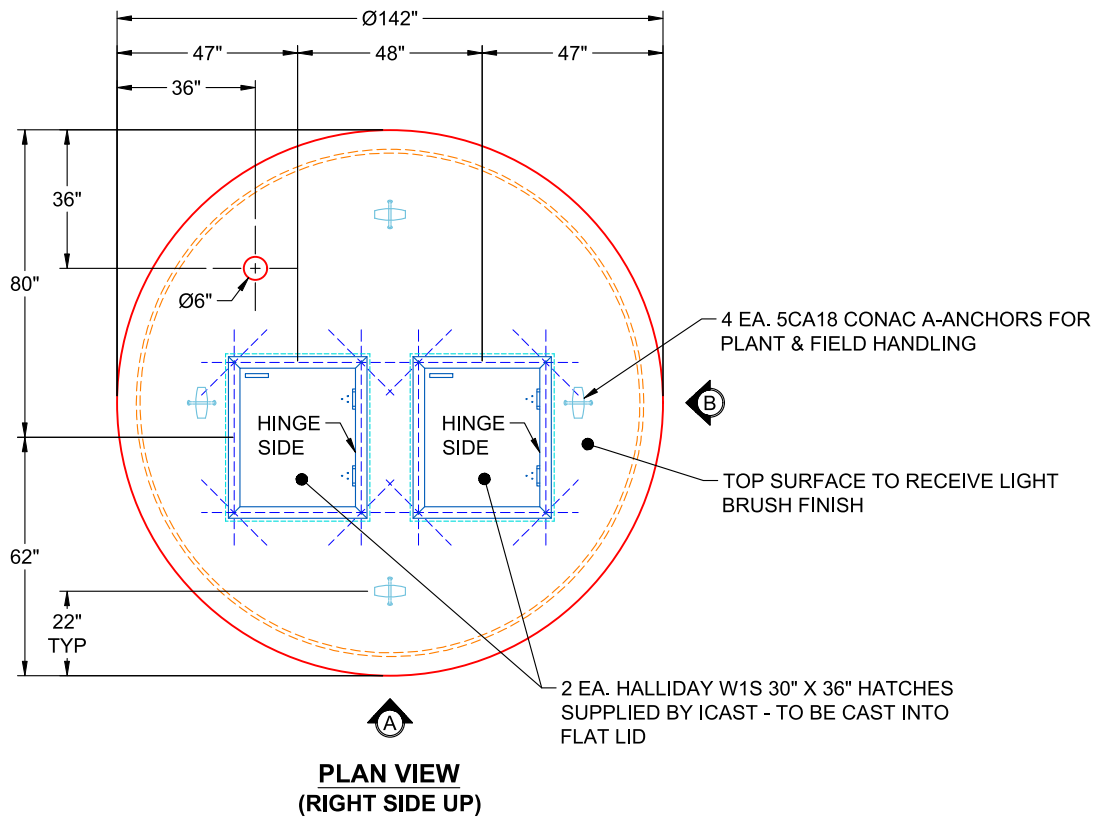
Structure ID: Wet Well-11-11

P5 MH120LD18SCDARED

MH FLAT TOP w/2x 30"x36" Hatches CONBLOCK CDA RED F/G

P6) 30" x 36" - HATCH (CAST FLUSH) - 0"	0 lb
P5) 120" - MH FLAT TOP w/2x 30"x36" Hatches CONBLOCK CDA RED F/G - 18"	15235 lb
P4) 120" - MH RISER w/CONBLOCK CDA RED T/G - 84"	31843 lb
P3) 120" - MH RISER w/CONBLOCK CDA RED T/G - 96"	36468 lb
P2) 120" - MH RISER w/CONBLOCK CDA RED T/G - 96"	36399 lb
P1) 120" - MH BASE SLAB w/CONBLOCK CDA RED T/n - 12"	22837 lb
4) JOINT WRAP - 12" WD x 120" MAC WRAP	0 lb
2) HATCH (Alum.) - HALLIDAY W1S 30"x36"	138 lb
1) This Structure Includes a Cast-in Item - Halliday W1S 30" x 36" Hatches (Supplied by iCast)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
4) 120" - Conseal CS-231 1.00" (Double)	0 lb
2) Z-Lok - C107-3	2 lb
1) A-Lok - 0285	1 lb
Structure Total:	142923 lb

- Structure Notes:**
- PER ASTM C-478 SPECIFICATIONS
 - CONCRETE: 4,000 PSI AT 28 DAYS
 - REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):
 - TOP MAT: #4 BAR @ 18" C.C. E.W. (GRADE 60)
 - BOTTOM MAT: #5 BAR @ 12" C.C. E.W. (GRADE 60)
 - CONBLOCK CDA RED ADMIXTURE REQUIRED
 - 2 EA. HALLIDAY W1S 30" X 36" HATCHES SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID
 - VENT PIPE SUPPLIED BY OTHERS
 - LIFTERS: 4 EA. 5CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
 - TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 11"	Height (Ext): 18"	Weight (Net): 15235 lb Volume (Net): 3.89cu.yd
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Job Number:

26-1453

Job Name:

SPC13A

Structure:

Wet Well-11-11

Note:

2 Each Halliday W1S 30" x 36"
Hatches Supplied By iCast To Be
Cast Into Flat Lid

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

3/26/2026 2:15:24 PM

PC: Celina Goff



Structure ID: 2301566

P3 MH048RS60

MH RISER T/G

- P7) 24" - CASTING HEIGHT - 7"
- P6) 48" - CON CONE w/24" HOLE F/G - 24"
- P5) 48" - MH RISER T/G - 60"
- P4) 48" - MH RISER T/G - 60"
- P3) 48" - MH RISER T/G - 60"
- P2) 60" - MH Transition Slab 48" Hole T/G - 15"
- P1) 60" - MH BASE (12"F) Custom Ht T/n - 66"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 1) 60" - Conseal CS-102 1.00" (Double)
- 4) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 22) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 2252 lb
- 4192 lb
- 4192 lb
- 4192 lb
- 2204 lb
- 9635 lb
- 2692 lb
- 0 lb
- 0 lb
- 2 lb
- 0 lb

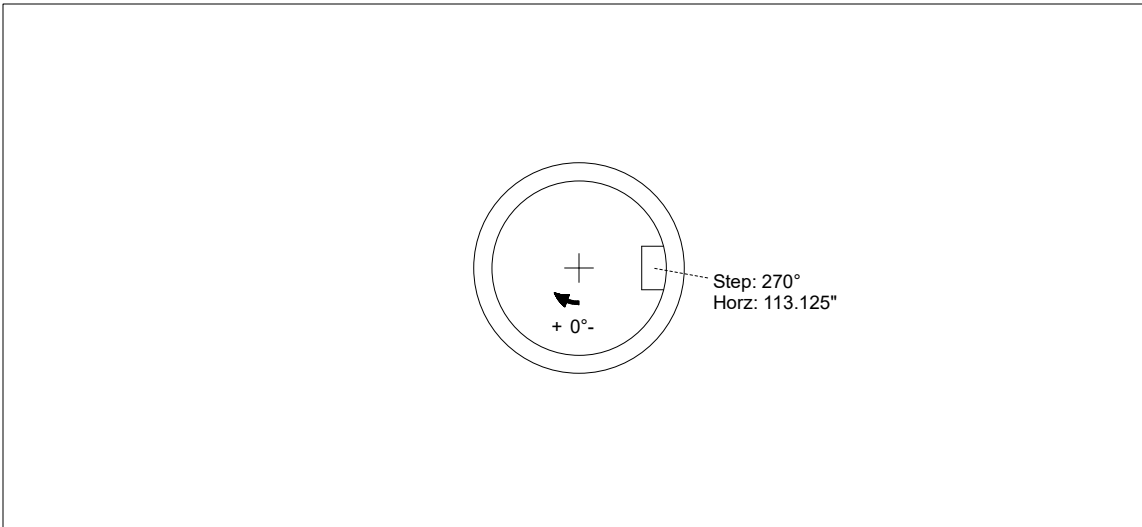
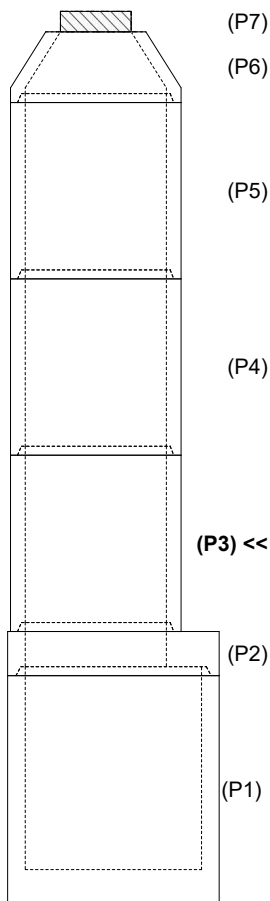
Structure Notes:
 1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. STEPS AT 270 DEGREES
 5. 7" CASTING SUPPLIED BY OTHERS

Structure Total: 29360 lb

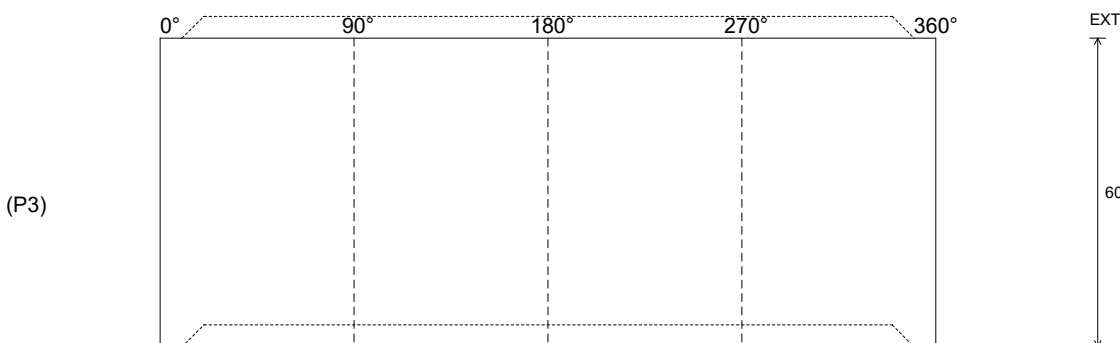
Rim: 769.68' Rim to Invert: 24.27' Slack: 2.24" Sump: 3" Step Position: 270°

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: Groove

Wall Thickness: 5"
 Floor Height: 0"

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

Weight (Net): 4192 lb
 Volume (Net): 1.07cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)
 Job Location: Clarksville, TN
 Contractor: Byard Construction, LLC

Plant: 100

11/17/2025 5:03:03 PM

Tech: J. Horsley - F

PC: A. Chambers



Structure ID: R

P2 MH048LD07-24X36RECT

MH FLAT TOP w/24"x36" Hole F/F

- P3) 24" x 36" - CASTING HEIGHT - 6"
- P2) 48" - MH FLAT TOP w/24"x36" Hole F/F - 7"
- P1) 48" - MH BASE Custom Ht F/n - 47"
- 1) Conseal CS-102 1.00" (Single)
- 1) CASTING - JBS 3080-V SET (F/G/H)
- 2) Hole - 38
- 4) MH Step ML-10-TDS-NCR - 10"

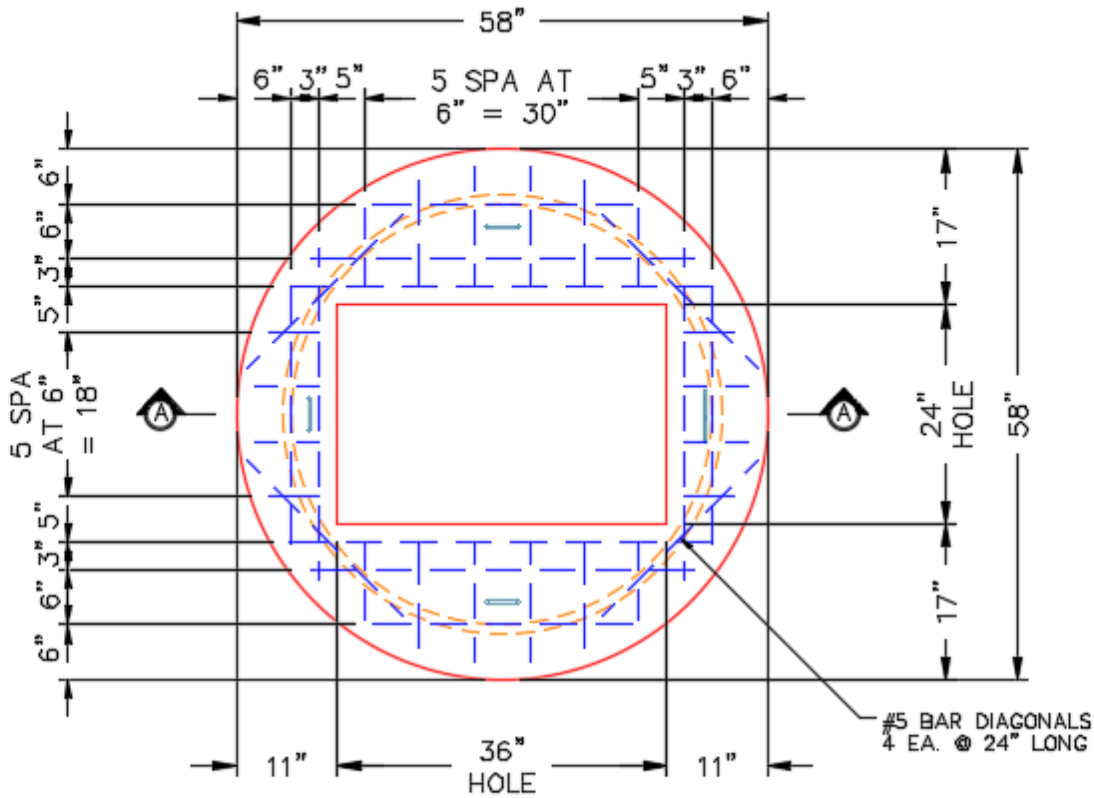
- 0 lb
- 1044 lb
- 3546 lb
- 0 lb
- 500 lb
- 0 lb
- 0 lb
- 0 lb
-
- Structure Total: 5090 lb

Structure Notes:

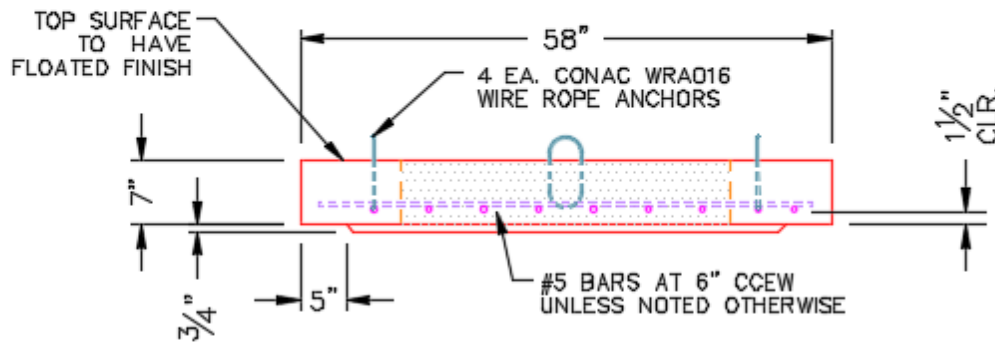
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY I-CAST (JBS 3080-V SET F/G/H).

REINFORCING PER ASTM A615 (GRADE 60).

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



PLAN VIEW



SECTION A-A

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 7"

Weight (Net): 1044 lb
 Volume (Net): 0.27cu.yd

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

Plant: Beaver Dam, KY
 5/13/2026 2:58:10 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 956

P2 MH048LD12ECC

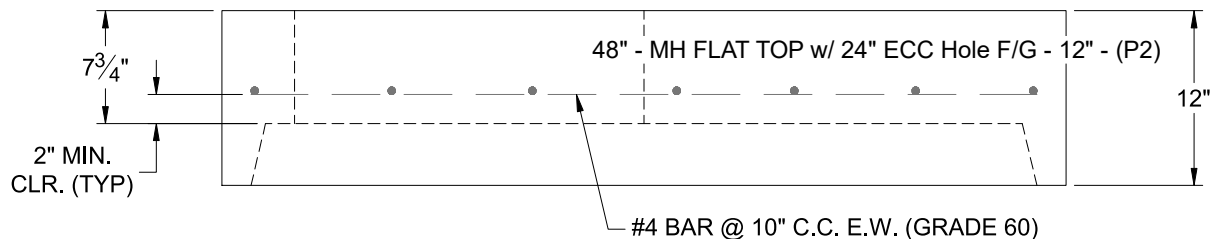
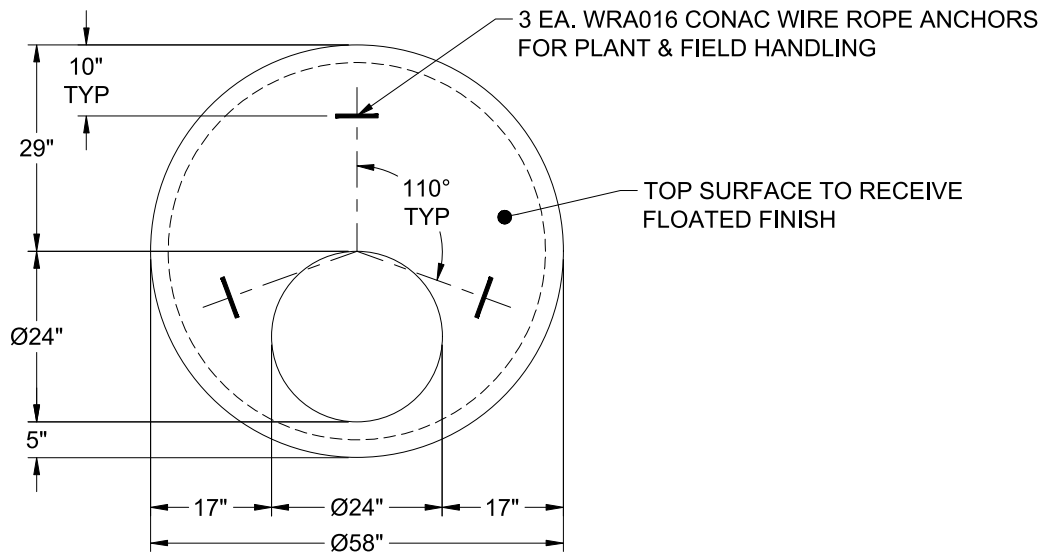
MH FLAT TOP w/ 24" ECC Hole F/G

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

0 lb
 1561 lb
 2911 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 5928 lb

- Structure Notes:
 STATION: 2+19.78 CLUB DR
1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #4 BAR @ 10" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. 7" CASTING SUPPLIED BY OTHERS
 5. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
 6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

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

Plant: Beaver Dam, KY
 5/13/2026 2:58:12 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 954

P2 MH048CN30

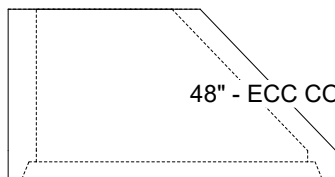
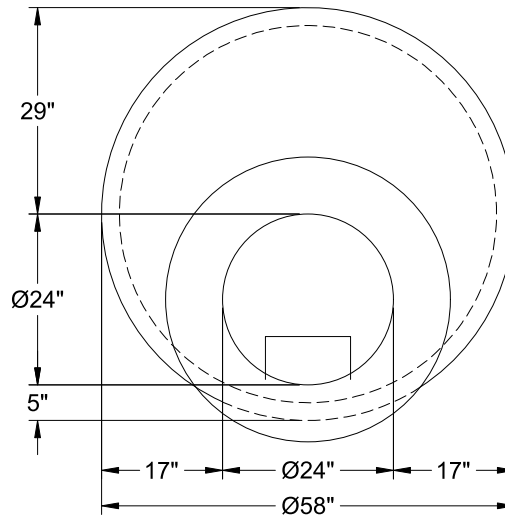
ECC CONE w/ 24" HOLE F/G

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 30"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 4) MH Step ML-10-TDS-NCR - 10"

0 lb
 2050 lb
 2911 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 6417 lb

Structure Notes:
 STATION: 3+72.54 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. STEPS REQUIRED
 5. 7" CASTING SUPPLIED BY OTHERS



48" - ECC CONE w/ 24" HOLE F/G - 30" - (P2)

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:50 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 953

P2 MH048RS36

MH RISER T/G

- P4) 24" - CASTING HEIGHT - 7" 0 lb
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" 3000 lb
- P2) 48" - MH RISER T/G - 36" 2515 lb
- P1) 48" - MH BASE T/n - 24" 2911 lb
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 0 lb
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT 1440 lb
- 2) 48" - Conseal CS-102 1.00" (Double) 0 lb
- 1) 24" - Conseal CS-102 1.00" (Double) 0 lb
- 2) PSX - 12-08 NYLO 16 lb
- 7) MH Step ML-10-TDS-NCR - 10" 0 lb

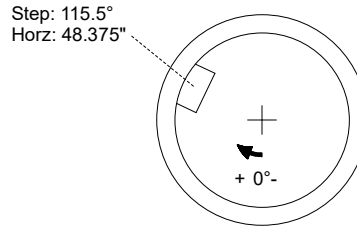
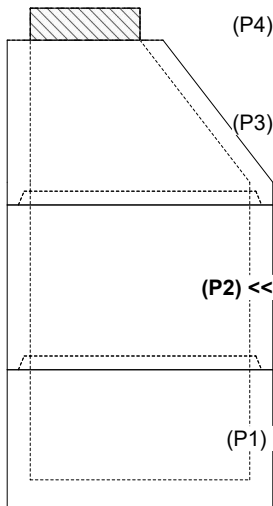
Structure Total: 9882 lb

Structure Notes:
 STATION: 4+03.63 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. STEPS AT 115.5 DEGREES
 5. 7" CASTING SUPPLIED BY OTHERS

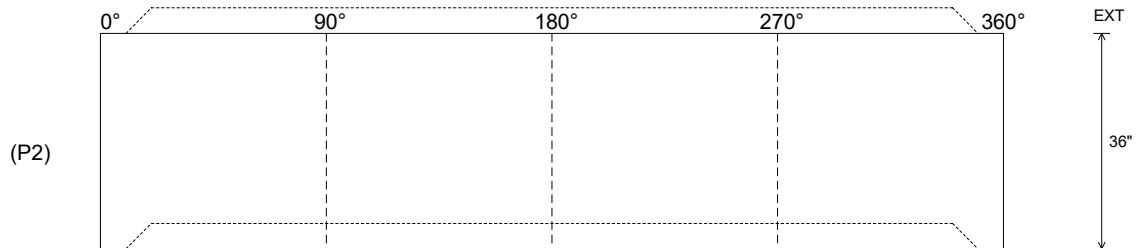
Rim: 666.39' Rim to Invert: 8.36' Slack: 0.32" Sump: 3" Step Position: 115.5

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: Groove

Wall Thickness: 5"
 Floor Height: 0"

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

Weight (Net): 2515 lb
 Volume (Net): 0.64cu.yd

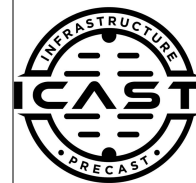
Job Name: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY

Tech: K. Cardwell

5/13/2026 2:58:11 PM

PC: A. Wells



Structure ID: 952

P3 MH048CN36

ECC CONE w/ 24" HOLE F/G

- P5) 24" - CASTING HEIGHT - 7"
- P4) 24" - GRADE RING F/F - 4"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE T/n - 42"

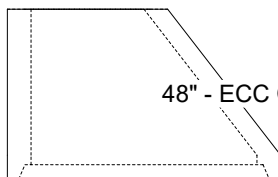
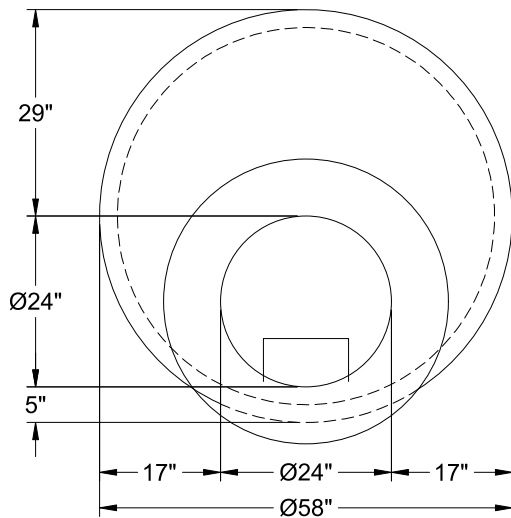
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) 24" - Conseal CS-102 1.00" (Double)
- 3) PSX - 12-08 NYLO
- 9) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 270 lb
- 3000 lb
- 2515 lb
- 4121 lb
- 0 lb
- 0 lb
- 1440 lb
- 0 lb
- 0 lb
- 24 lb
- 0 lb

Structure Total: 11369 lb

Structure Notes:

- STATION: 4+44.12 CLUB DR
- 1. PER MSD & ASTM C-478 SPECIFICATIONS
- 2. CONCRETE: 5,000 PSI AT 28 DAYS
- 3. REINFORCEMENT: PER ASTM A615
- 4. STEPS REQUIRED
- 5. 7" CASTING SUPPLIED BY OTHERS



48" - ECC CONE w/ 24" HOLE F/G - 36" - (P3)

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 36"

Weight (Net): 3000 lb
 Volume (Net): 0.5cu.yd

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:49 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 952

P2 MH048RS36

MH RISER T/G

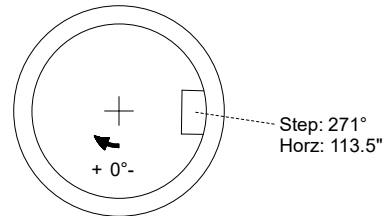
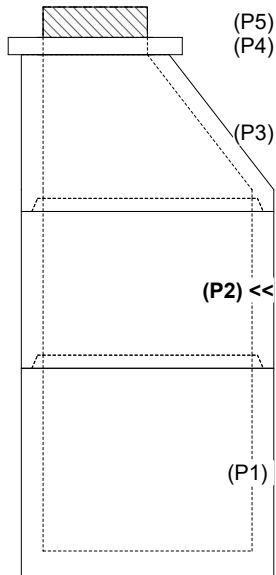
P5) 24" - CASTING HEIGHT - 7"	0 lb
P4) 24" - GRADE RING F/F - 4"	270 lb
P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"	3000 lb
P2) 48" - MH RISER T/G - 36"	2515 lb
P1) 48" - MH BASE T/n - 42"	4121 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) 48" - SAN. INV. CHANNEL - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
3) PSX - 12-08 NYLO	24 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	11369 lb

Structure Notes:
 STATION: 4+44.12 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. STEPS AT 271 DEGREES
 5. 7" CASTING SUPPLIED BY OTHERS

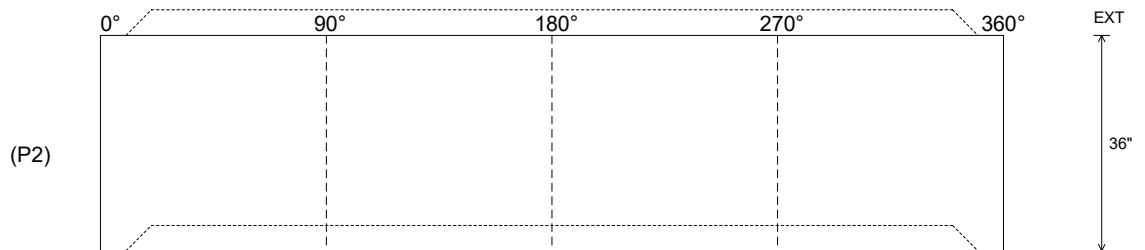
Rim: 668.5' Rim to Invert: 10.17' Slack: 0.04" Sump: 3" Step Position: 271°

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: Groove

Wall Thickness: 5"
 Floor Height: 0"

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

Weight (Net): 2515 lb
 Volume (Net): 0.64cu.yd

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:20 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 956

P1 MH048BA24

MH BASE T/n

P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"	1561 lb
P1) 48" - MH BASE T/n - 24"	2911 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) 48" - SAN. INV. CHANNEL - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
1) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	5928 lb

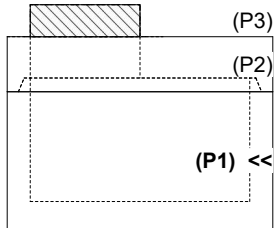
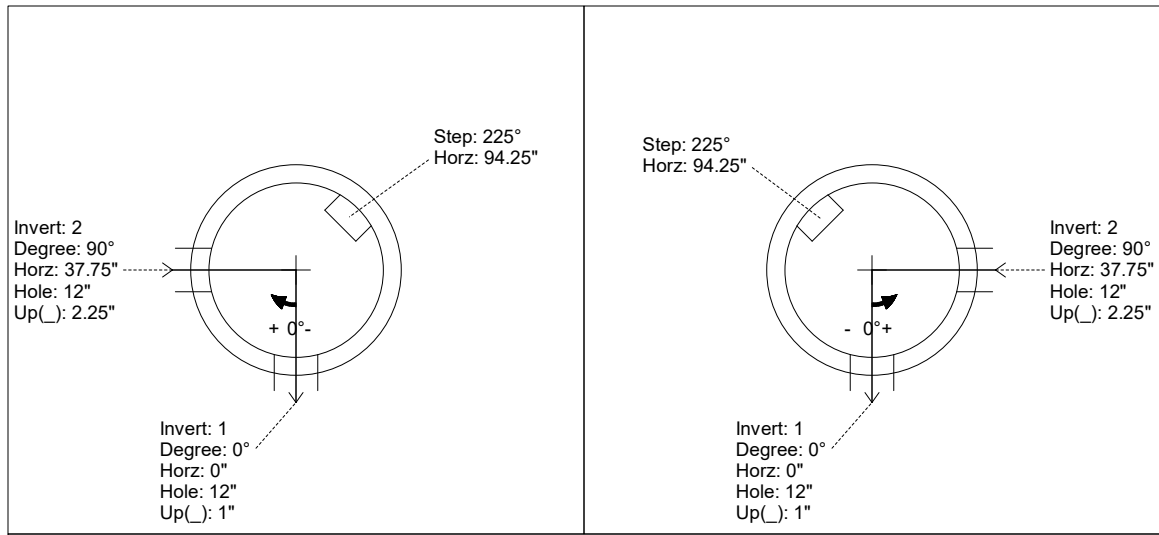
Structure Notes:
 STATION: 2+19.78 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 225 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 659.9' Rim to Invert: 3.51' Slack: 2.12" Sump: 3" Step Position: 225°

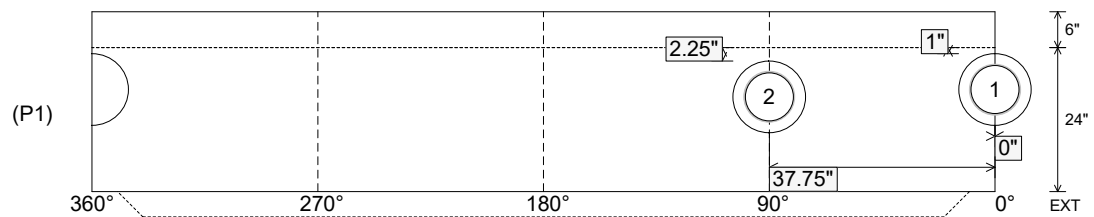
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	656.39'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	656.49'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

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

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:20 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 956

P1 MH048BA24

MH BASE T/n

P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"	1561 lb
P1) 48" - MH BASE T/n - 24"	2911 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) 48" - SAN. INV. CHANNEL - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
1) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	5928 lb

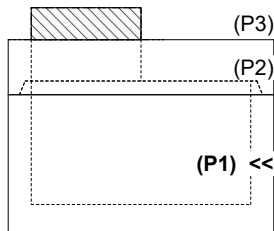
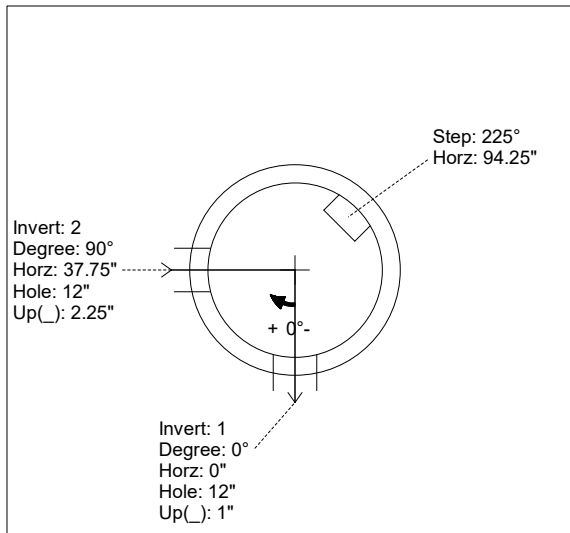
Structure Notes:
 STATION: 2+19.78 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 225 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 659.9' Rim to Invert: 3.51' Slack: 2.12" Sump: 3" Step Position: 225°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	656.39'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	656.49'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

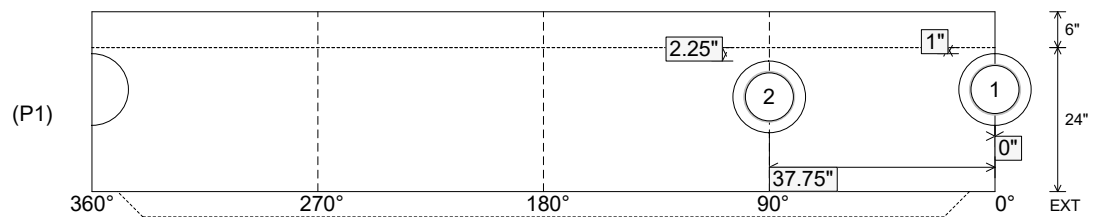
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

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

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:19 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 957

P1 MH048BA24

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 - 24"	2911 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) 48" - SAN. INV. CHANNEL - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	7367 lb

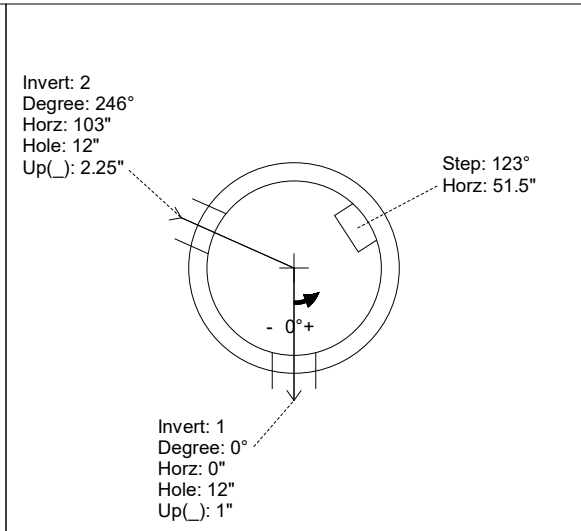
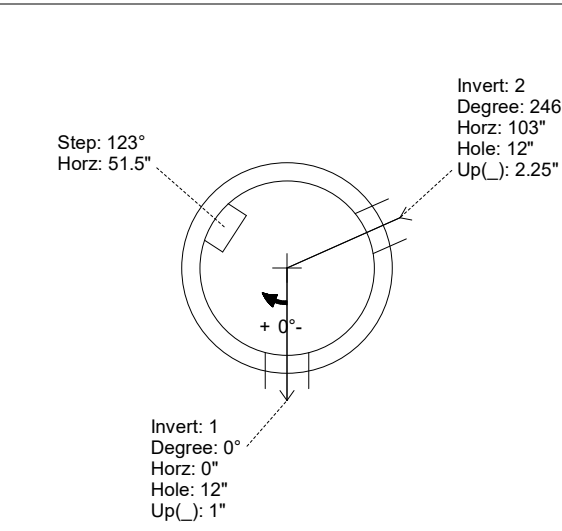
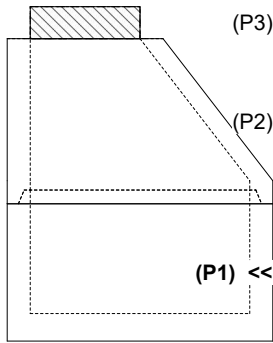
Structure Notes:
 STATION: 1+78.19 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 123 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 661.6' Rim to Invert: 5.56' Slack: 2.72" Sump: 3" Step Position: 123°

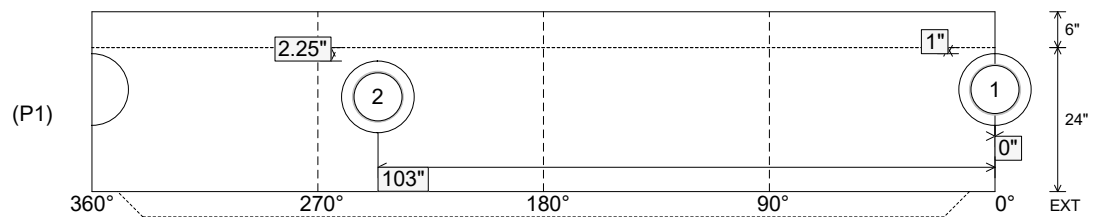
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	656.04'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	656.14'	246°	124.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

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

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:19 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 957

P1 MH048BA24

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 4) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 2911 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 7367 lb

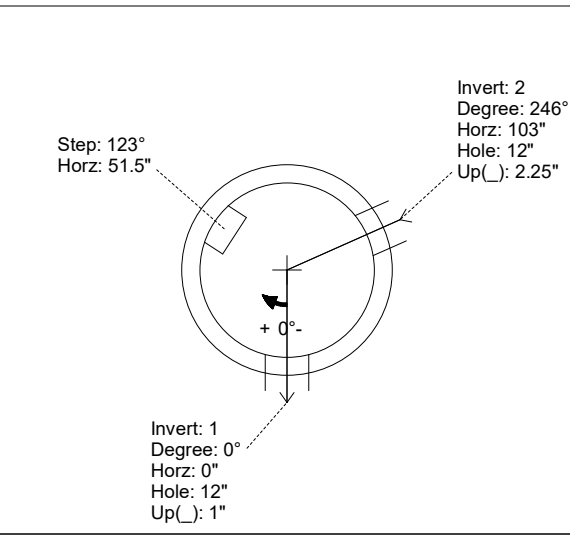
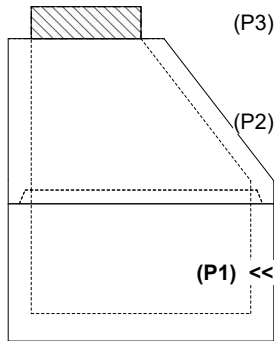
- Structure Notes:
 STATION: 1+78.19 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 123 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 661.6' Rim to Invert: 5.56' Slack: 2.72" Sump: 3" Step Position: 123°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	656.04'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	656.14'	246°	124.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

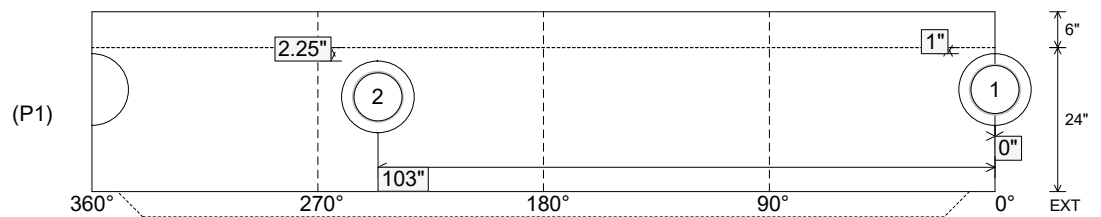
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL
DRAWING

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

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

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:24 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 958A

P1 MH048BA42

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 - 42"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 3200 lb
 4169 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 8825 lb

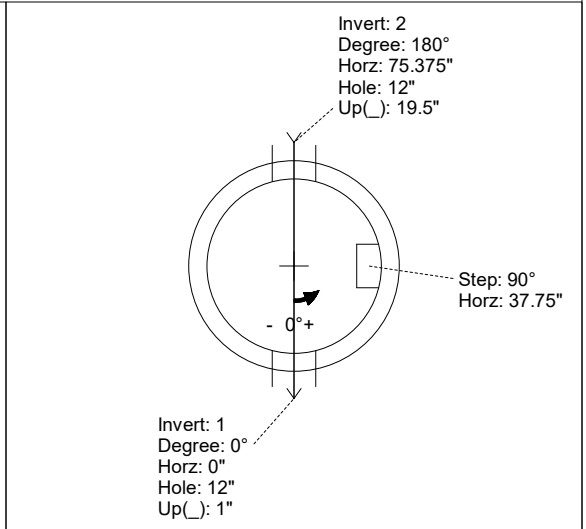
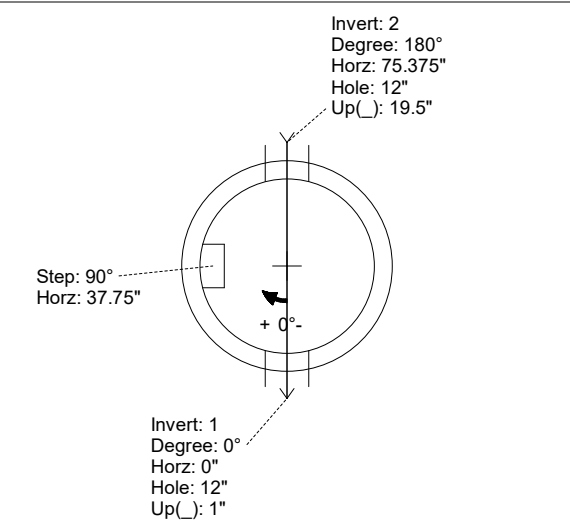
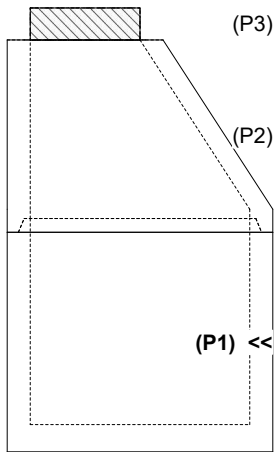
- Structure Notes:
 STATION: 0+89.14 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 90 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 655.6' Rim to Invert: 7.41' Slack: 0.92" Sump: 3" Step Position: 90

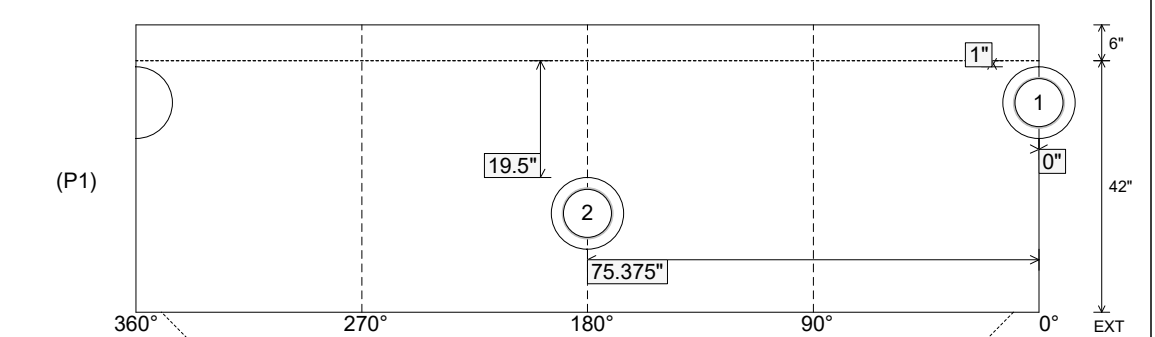
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	648.19'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	649.73'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	19.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

Weight (Net): 4169 lb
 Volume (Net): 1.06cu.yd

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:24 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 958A

P1 MH048BA42

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 - 42"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 3200 lb
 4169 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 8825 lb

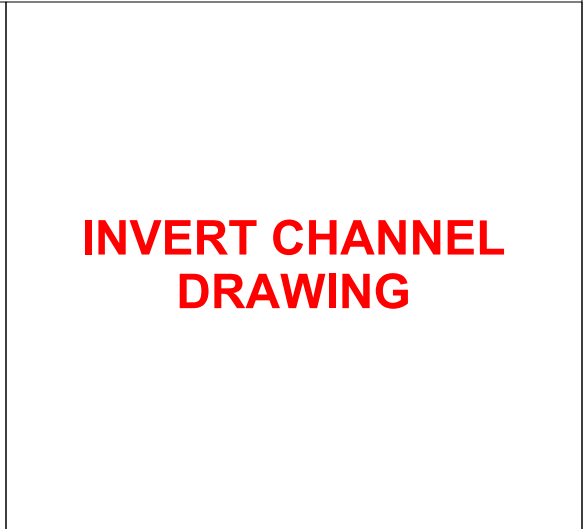
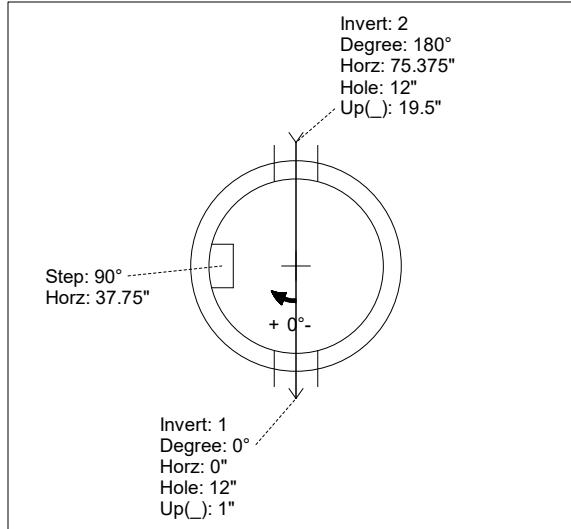
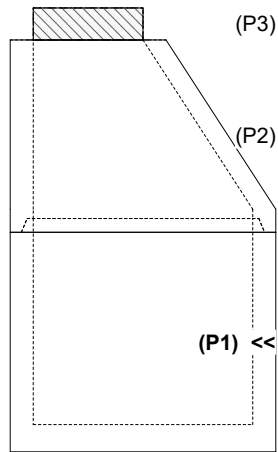
Structure Notes:
 STATION: 0+89.14 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 90 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 655.6' Rim to Invert: 7.41' Slack: 0.92" Sump: 3" Step Position: 90

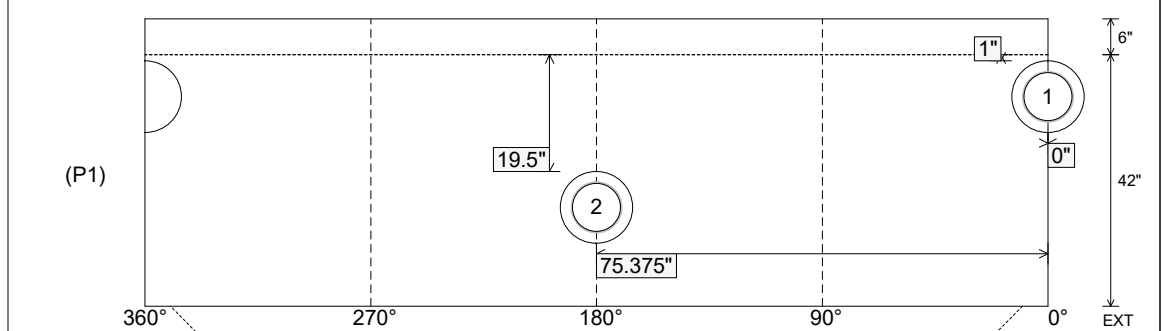
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	648.19'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	649.73'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	19.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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: 6"

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

Weight (Net): 4169 lb
 Volume (Net): 1.06cu.yd

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:20 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 955

P1 MH048BA24

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 42"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 3) PSX - 12-08 NYLO
- 8) MH Step ML-10-TDS-NCR - 10"

0 lb
 3200 lb
 2515 lb
 2863 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 24 lb
 0 lb

 Structure Total: 10042 lb

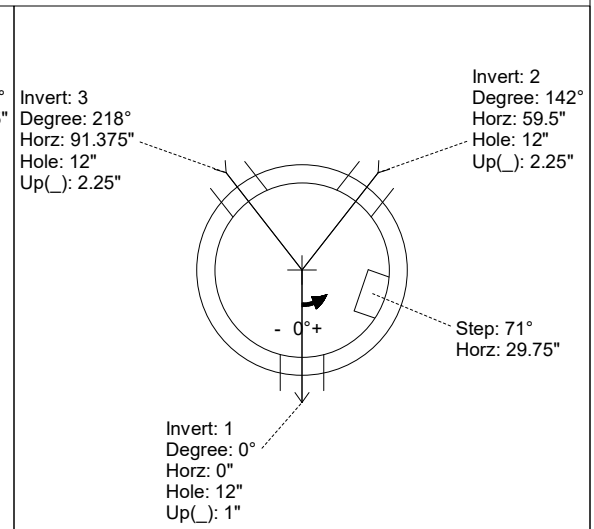
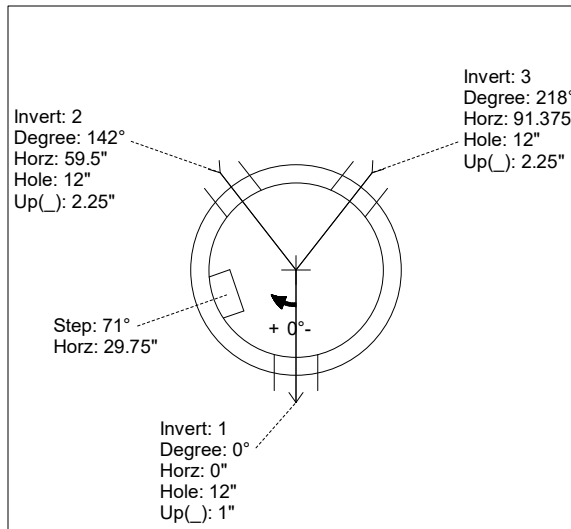
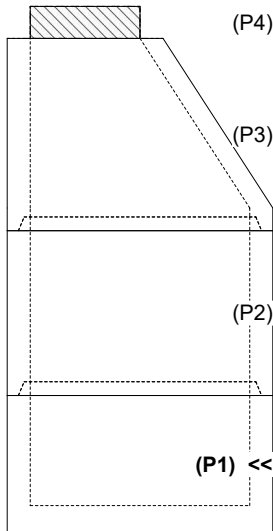
Structure Notes:
 STATION: 3+62.99 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 71 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 666.7' Rim to Invert: 8.98' Slack: 1.76" Sump: 3" Step Position: 71°

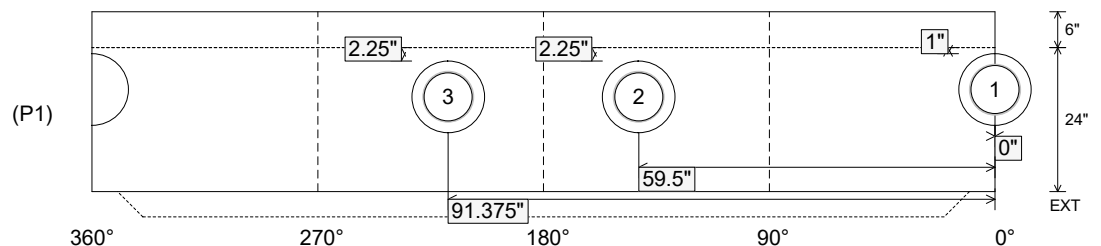
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	657.72'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	657.82'	142°	71.875"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3	657.82'	218°	110.375"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	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: 5"
 Floor Height: 6"

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

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

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

Plant: Beaver Dam, KY
 5/13/2026 2:57:20 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 955

P1 MH048BA24

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 42"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 3) PSX - 12-08 NYLO
- 8) MH Step ML-10-TDS-NCR - 10"

0 lb
 3200 lb
 2515 lb
 2863 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 24 lb
 0 lb

 Structure Total: 10042 lb

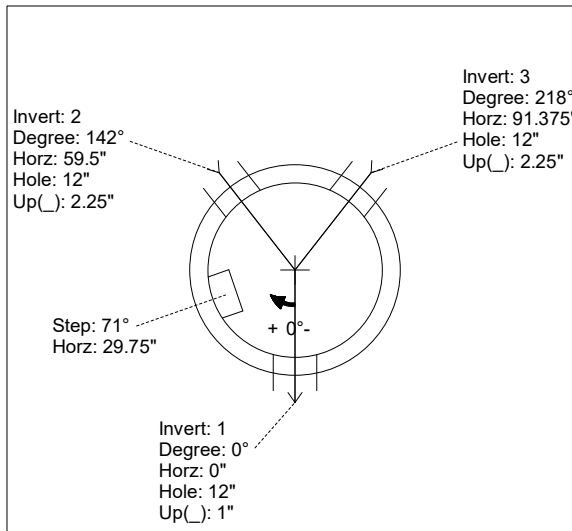
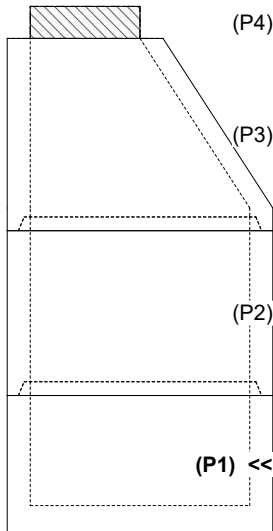
Structure Notes:
 STATION: 3+62.99 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 71 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 666.7' Rim to Invert: 8.98' Slack: 1.76" Sump: 3" Step Position: 71°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	657.72'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	657.82'	142°	71.875"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3	657.82'	218°	110.375"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

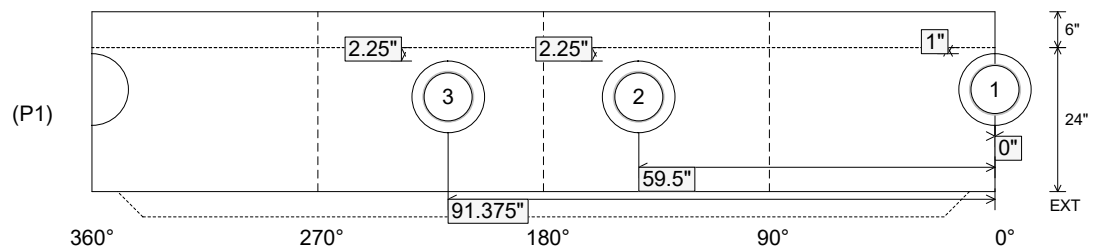
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

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

Job Name: 26-2131 ADS Zaxby's	Plant: Beaver Dam	Tech: S. Felletter	
Job Location: Paris, TN	5/20/2026 3:07:02 PM	PC: T. Lewis	
Contractor: ADS Advanced Drainage Systems, Inc.			

Structure ID: A1

P3 MH048RS66S

MH RISER SPECIAL T/G

P5) 24" x 24" - CASTING HEIGHT - 4"	0 lb
P4) 48" - MH FLAT TOP w/24"x24" Hole F/G - 12"	1500 lb
P3) 48" - MH RISER SPECIAL T/G - 66"	4180 lb
P2) 48" - MH RISER Custom Ht T/G - 41"	2864 lb
P1) 48" - MH BASE T/n - 18"	2588 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) ASSEMBLY REQUIRED	0 lb
1) CASTING - HOE 280T F/G	182 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" x 24" - Conseal CS-102 1.00" (Double)	0 lb
1) Hole - 26	0 lb
1) Hole - 24	0 lb
Structure Total:	11314 lb

Structure Notes:

- PER ASTM C478 SPECIFICATIONS.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- NO INVERT CHANNEL.
- CASTING BY ICAST (HOE 280T F/G).
- P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INSTALL.
- LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.

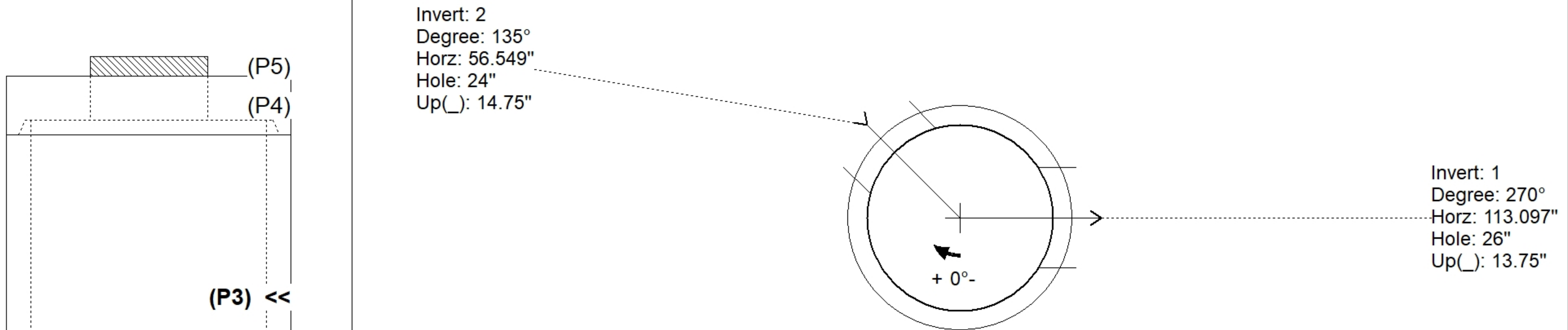
REINFORCING PER ASTM A615 (GRADE 60).

- 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.

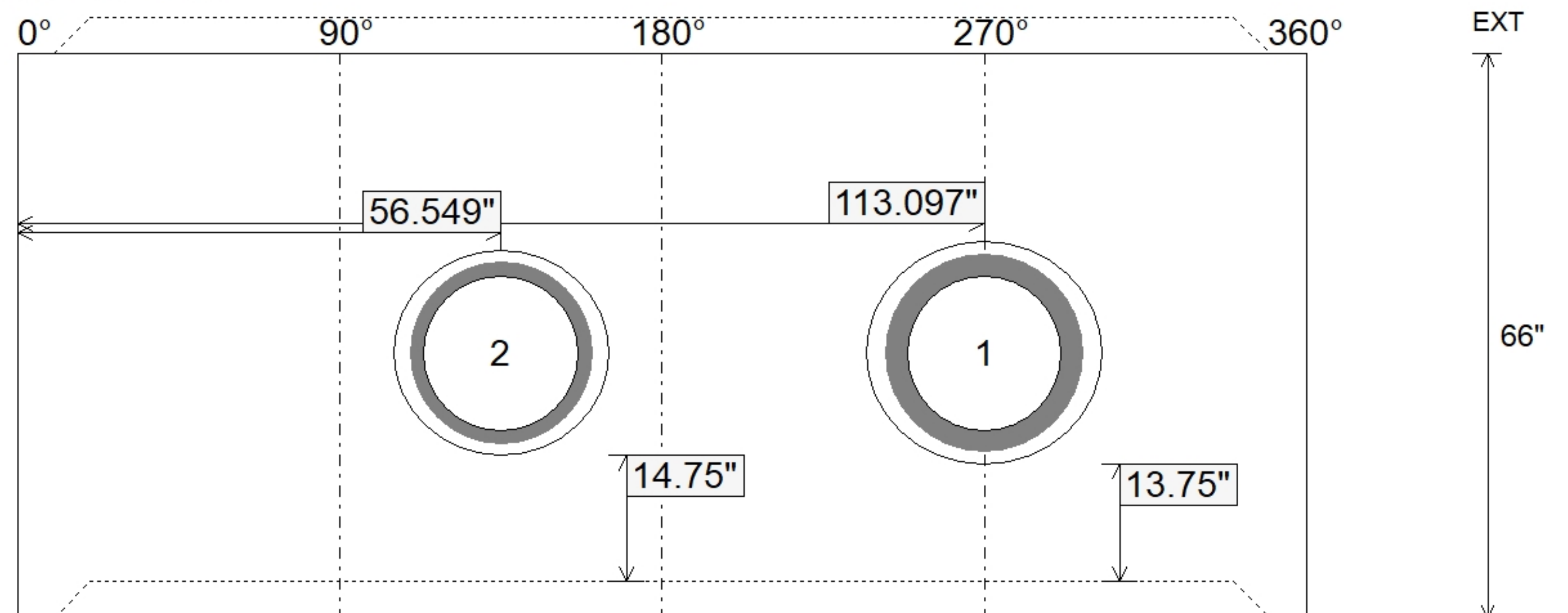
Rim: 448.19' Rim to Invert: 5.04' Slack: 0.48" Sump: 81" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	443.15'	270°	136.659"	18" RCP B WALL	23"	Hole 26	26"	27.476"	13.75"	0"
Invert 2	443.15'	135°	68.33"	18" HDPE	21.2"	Hole 24	24"	25.133"	14.75"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 66"	Weight (Net): 4180 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 66"	Volume (Net): 1.07cu.yd

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

Plant: 100
 5/14/2026 1:08:53 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-8

P1 MH048BA24

MH BASE T/n

P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"	1561 lb
P1) 48" - MH BASE T/n - 24"	2959 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-315 F/C Sanitary	258 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) PSX - 12-06 NYLO	8 lb
1) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	6226 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).

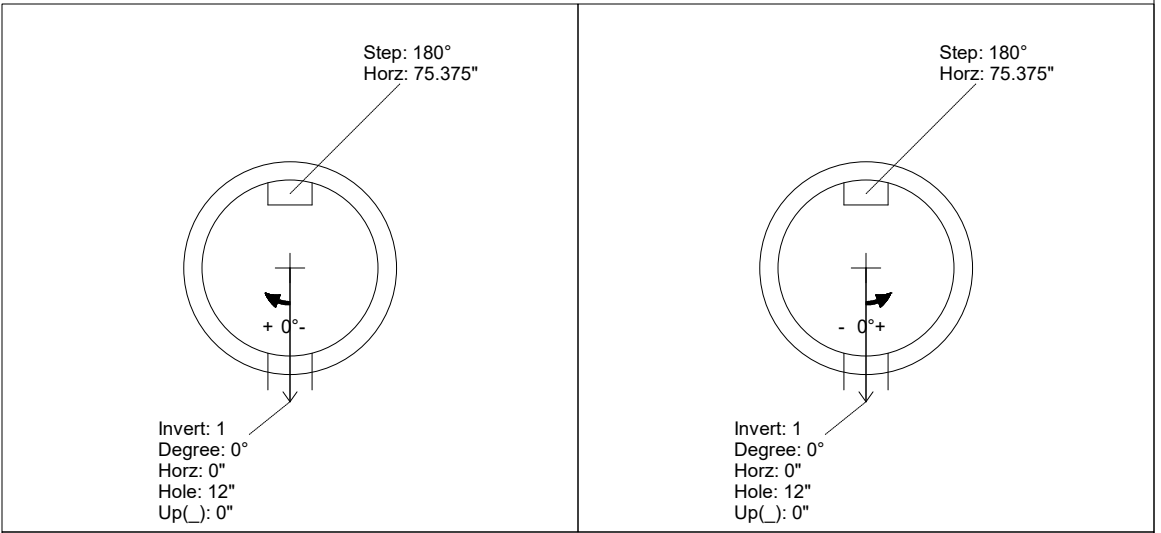
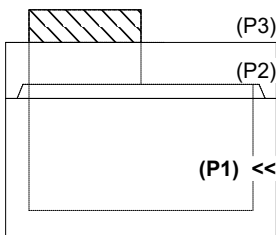
 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB = H2O LOADING.
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 891.6' Rim to Invert: 3.35' Slack: 0.2" Sump: 3" Step Position: 180°

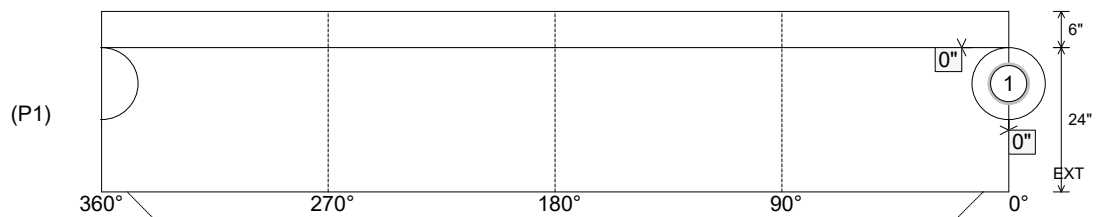
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	888.25'	0°	0"	6" PVC C900	6.9"	PSX 12-06 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

Weight (Net): 2959 lb
 Volume (Net): 0.76cu.yd

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

Plant: 100
 5/14/2026 1:08:53 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-8

P1 MH048BA24

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
- 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-315 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12-06 NYLO
- 1) MH Step ML-10-TDS-NCR - 10"

0 lb
 1561 lb
 2959 lb
 0 lb
 0 lb
 1440 lb
 258 lb
 0 lb
 8 lb
 0 lb

 Structure Total: 6226 lb

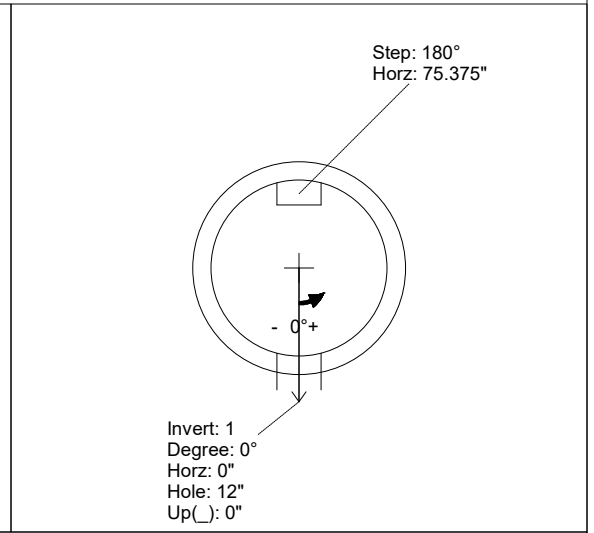
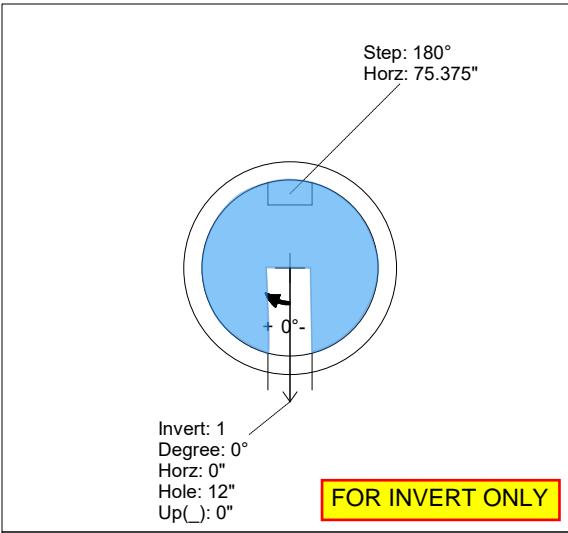
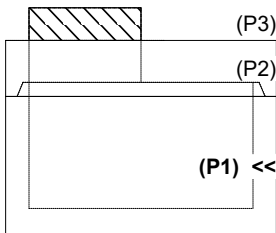
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).
 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB = H2O LOADING.
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 891.6' Rim to Invert: 3.35' Slack: 0.2" Sump: 3" Step Position: 180°

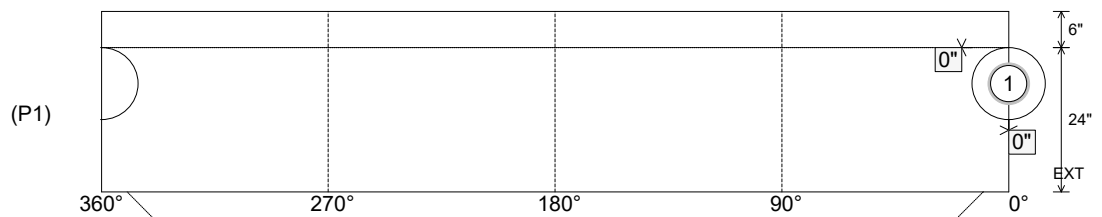
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	888.25'	0°	0"	6" PVC C900	6.9"	PSX 12-06 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

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

Weight (Net): 2959 lb
 Volume (Net): 0.76cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/17/2025 5:01:53 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: P

P1 MH048BAVF

MH BASE Custom Ht F/n

P3) 24" x 36" - CASTING HEIGHT - 6"	0 lb
P2) 48" - MH FLAT TOP w/24"x36" Hole F/F - 7"	1044 lb
P1) 48" - MH BASE Custom Ht F/n - 38"	3274 lb
1) Conseal CS-102 1.00" (Single)	0 lb
1) CASTING - JBS 3080-V SET (F/G/H)	500 lb
1) Hole - 30	0 lb
2) Hole - 24	0 lb
Structure Total:	4819 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 I-CAST (JBS 3080-V SET F/G/H).

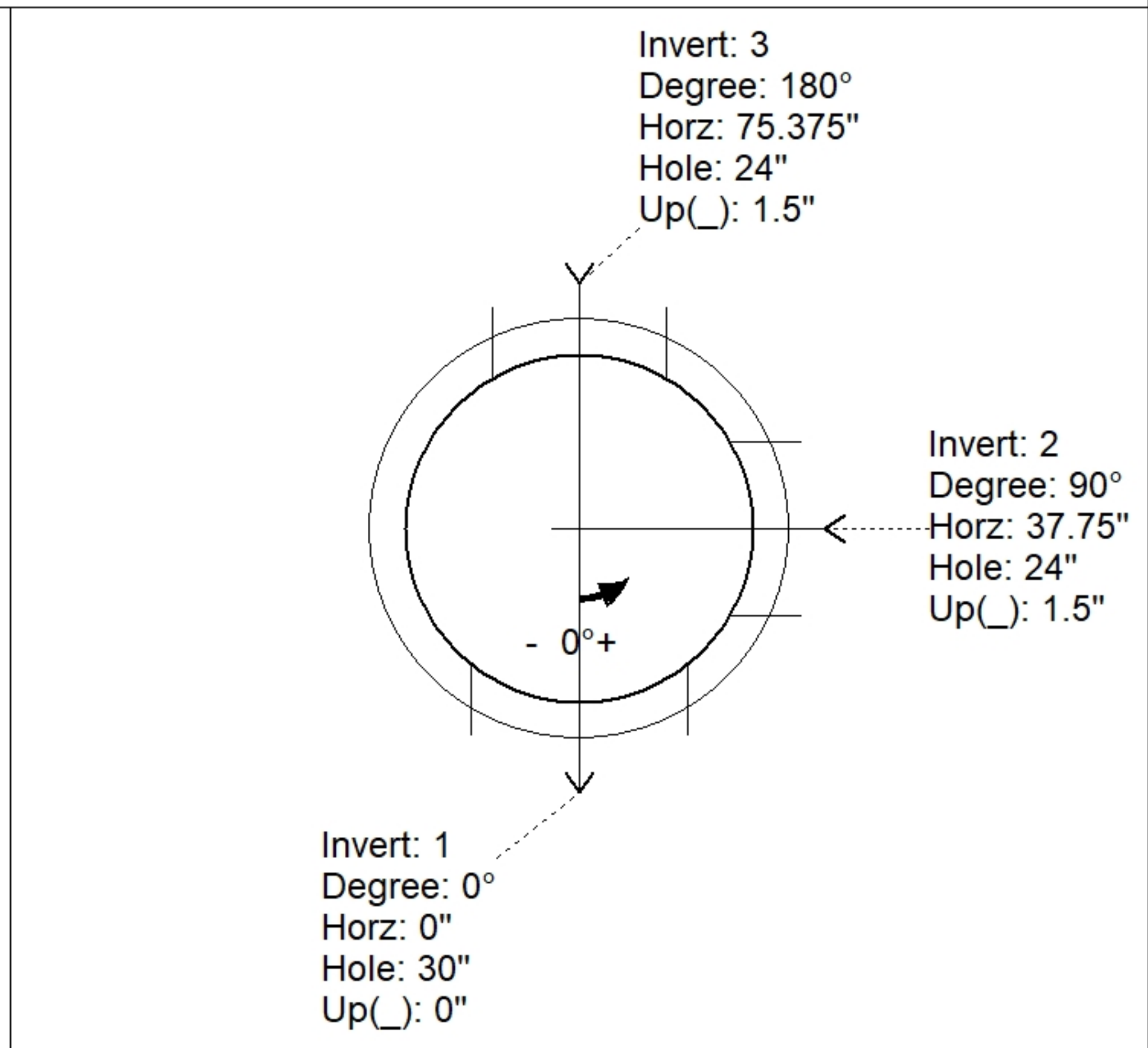
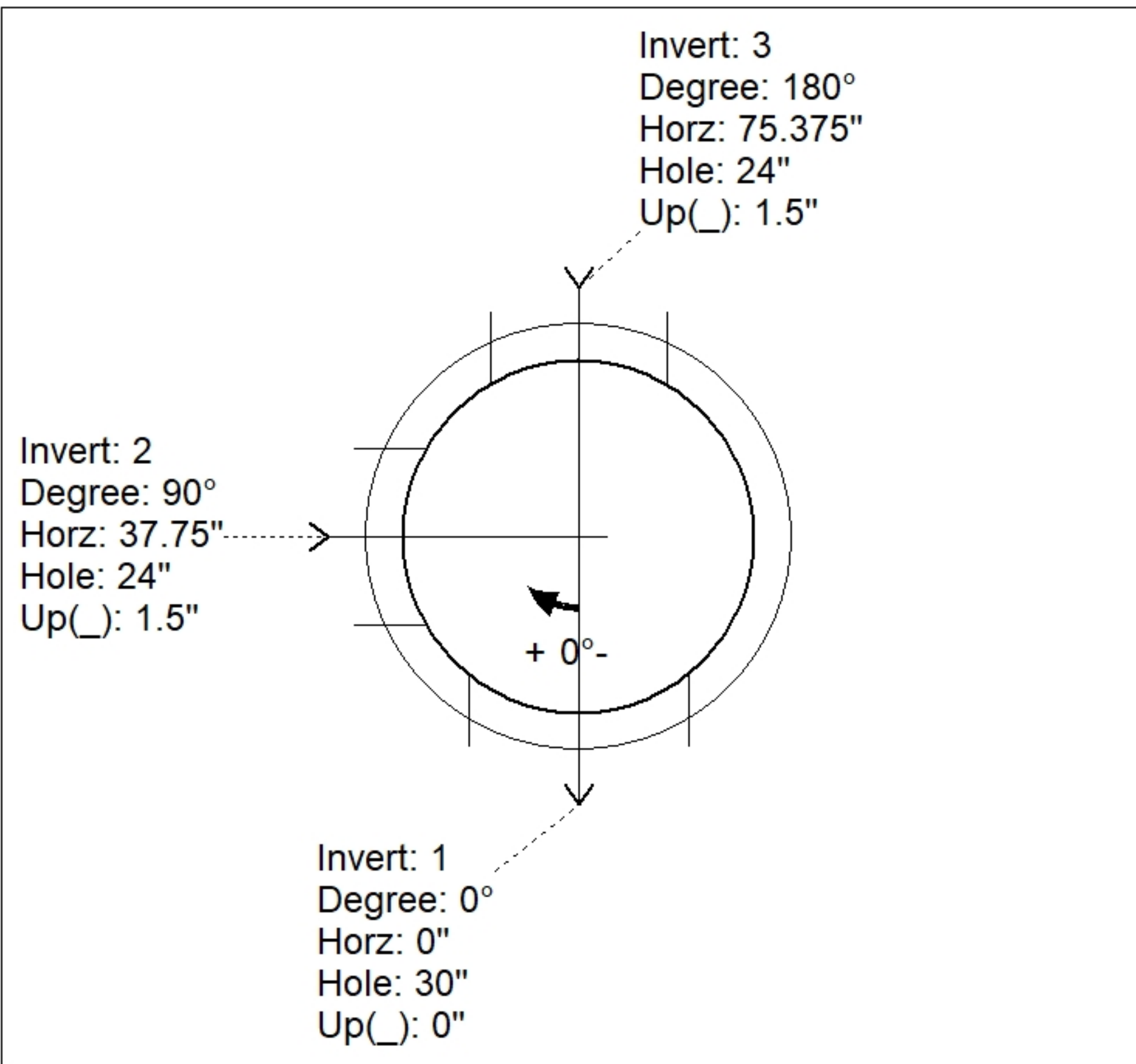
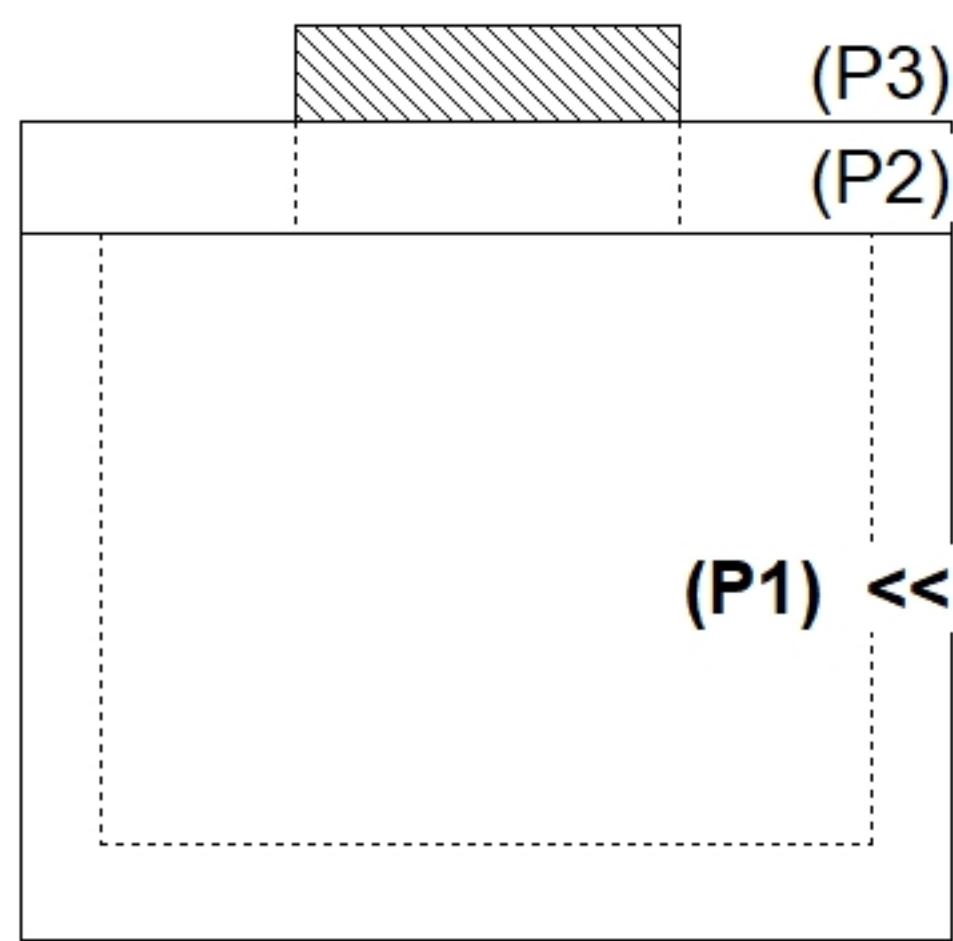
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 505.97' Rim to Invert: 4.12' Slack: 0.34" Sump: 1.9" Step Position:

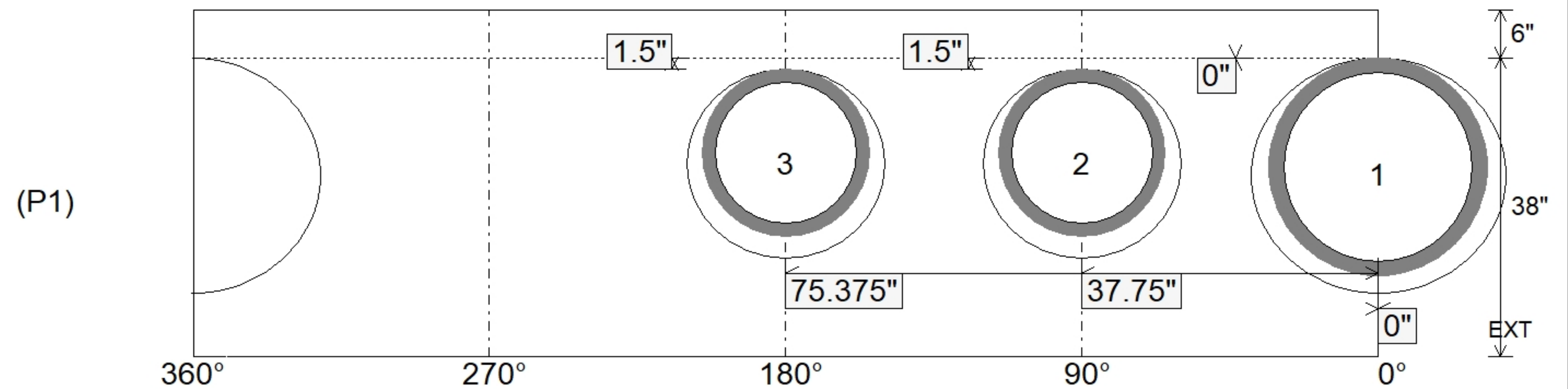
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	501.85'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"
Invert 2	501.95'	90°	45.5"	18" HDPE	21.2"	Hole 24	24"	25.133"	1.5"	0"
Invert 3	501.95'	180°	91.125"	18" HDPE	21.2"	Hole 24	24"	25.133"	1.5"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 5"	Height (Int): 38"	Weight (Net): 3274 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 44"	Volume (Net): 0.84cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/17/2025 5:01:47 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: K

P1 MH048BA42

MH BASE T/n

P3) 24" - CASTING HEIGHT - 6"	0 lb
P2) 48" - ECC CONE w/ 24" HOLE F/G - 24"	1550 lb
P1) 48" - MH BASE T/n - 42"	3632 lb
1) Conseal CS-102 1.00" (Single)	0 lb
1) CASTING - JBS 1155 F/C STORM	250 lb
2) Hole - 30	0 lb
5) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	5432 lb

Structure Notes:

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

REINFORCING PER ASTM A615 (GRADE 60).

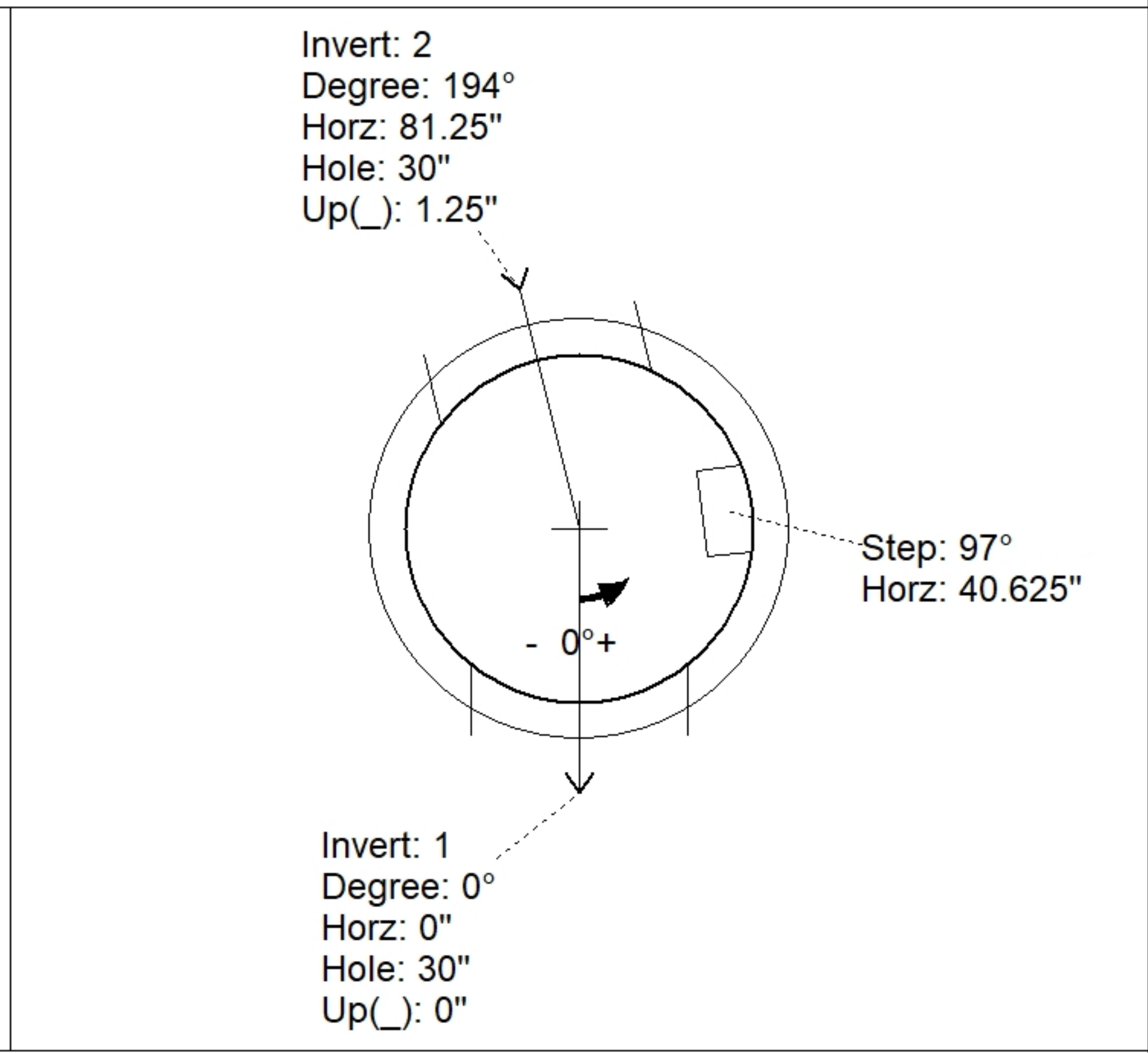
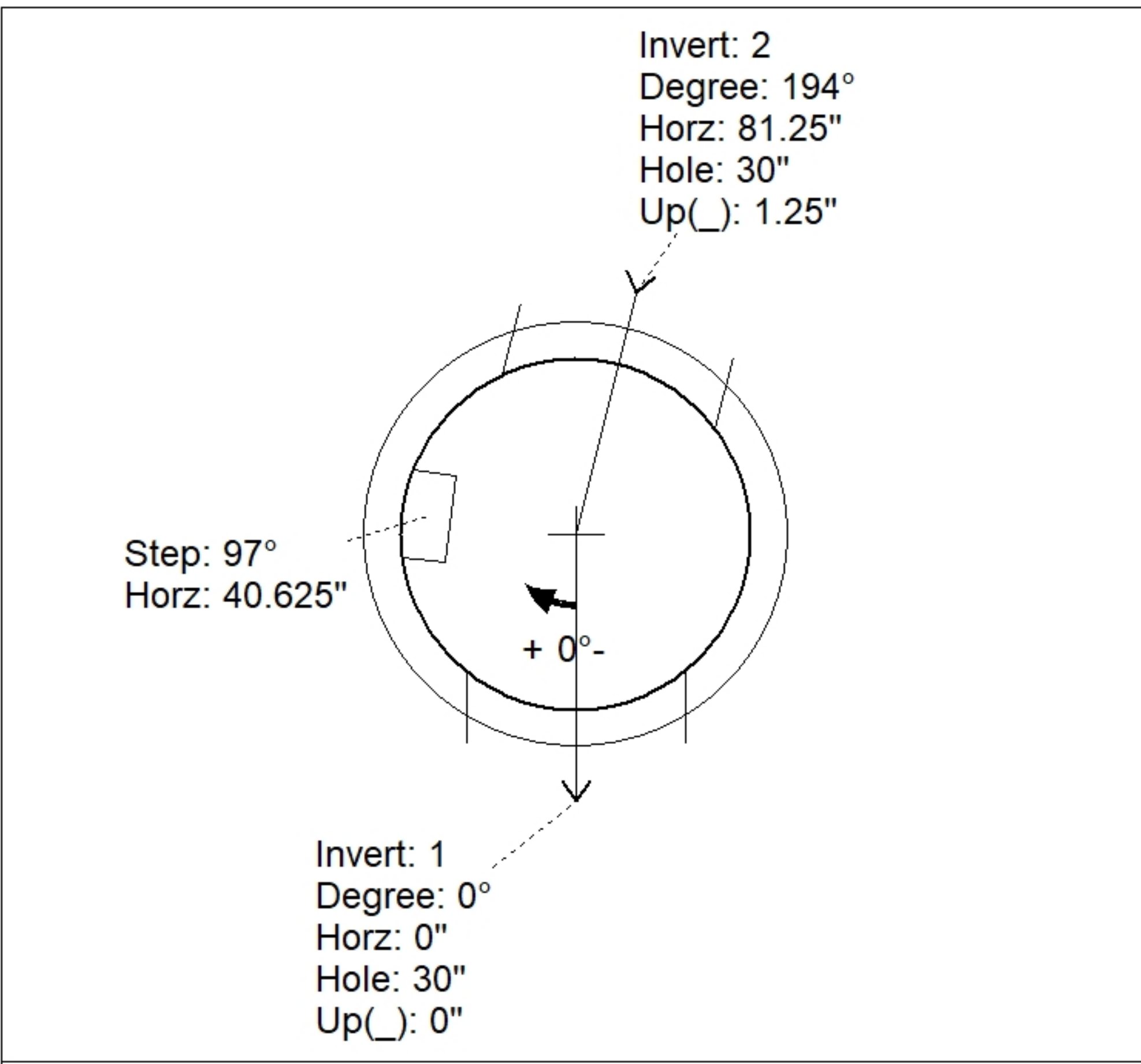
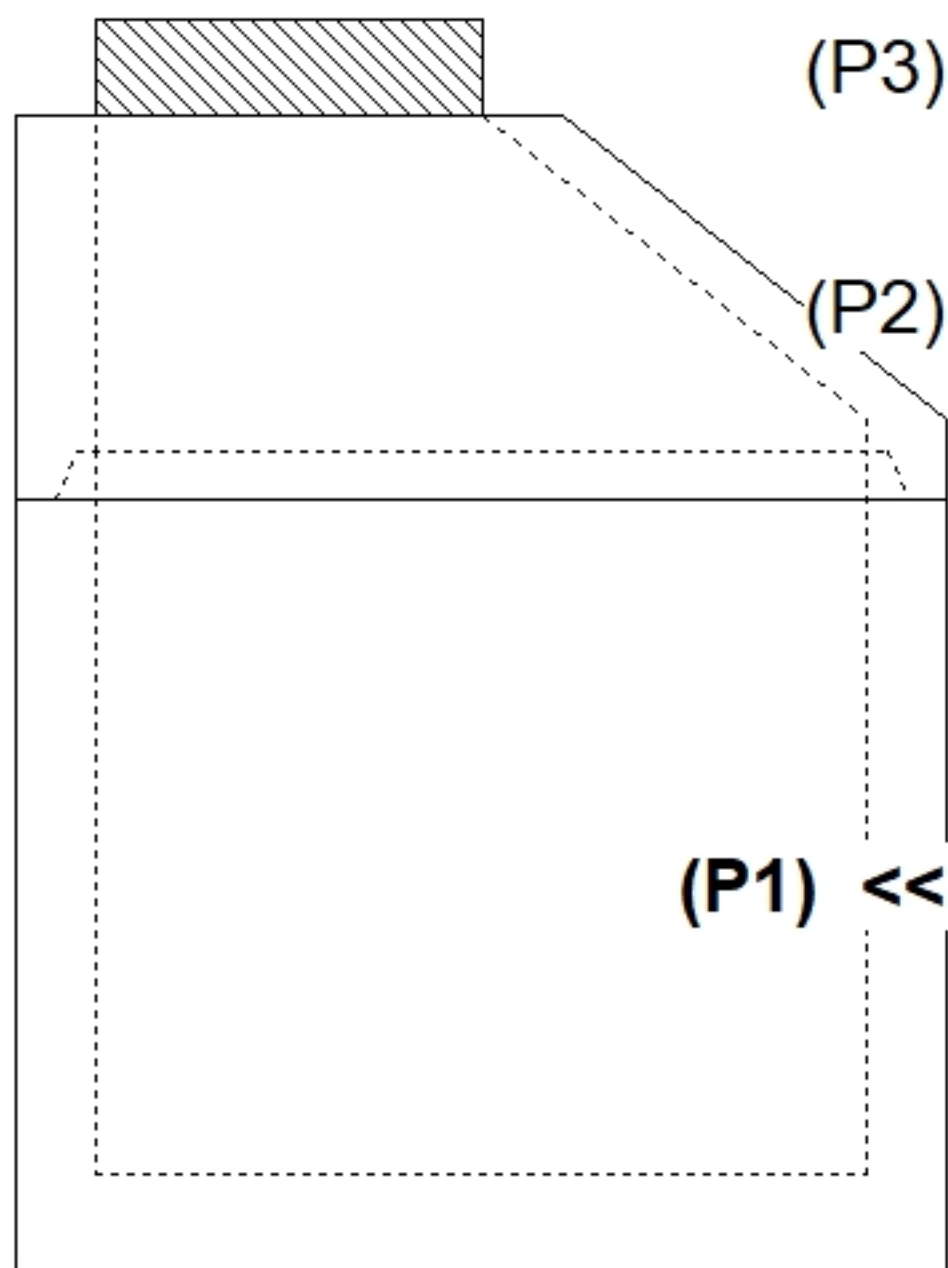
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 515' Rim to Invert: 5.86' Slack: 0.22" Sump: 1.9" Step Position: 97°

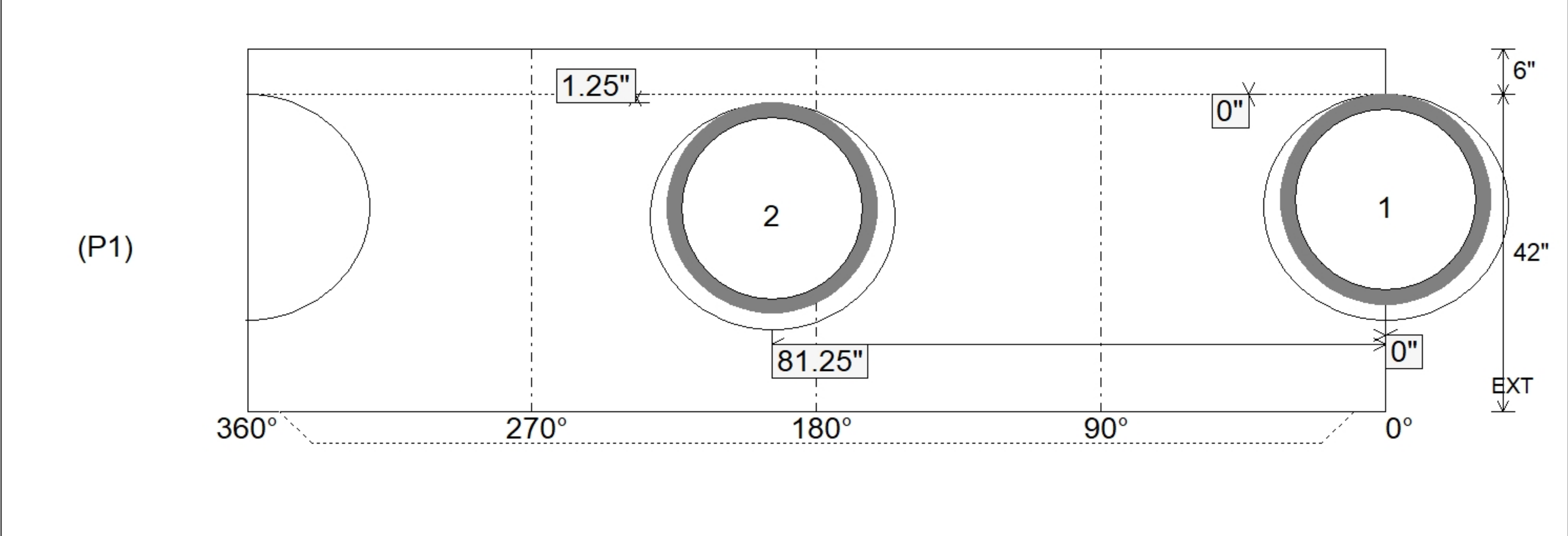
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	509.14'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"
Invert 2	509.24'	194°	98.25"	24" HDPE	27.8"	Hole 30	30"	32.406"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 42"	Weight (Net): 3632 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 48"	Volume (Net): 0.93cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/17/2025 5:01:44 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: I

P1 MH048BAVF

MH BASE Custom Ht F/n

P3) 24" x 36" - CASTING HEIGHT - 6"	0 lb
P2) 48" - MH FLAT TOP w/24"x36" Hole F/F - 7"	1044 lb
P1) 48" - MH BASE Custom Ht F/n - 38"	3156 lb
1) Conseal CS-102 1.00" (Single)	0 lb
1) CASTING - JBS 3080-V SET (F/G/H)	500 lb
2) Hole - 30	0 lb
1) Hole - 24	0 lb
Structure Total:	4700 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 I-CAST (JBS 3080-V SET F/G/H).

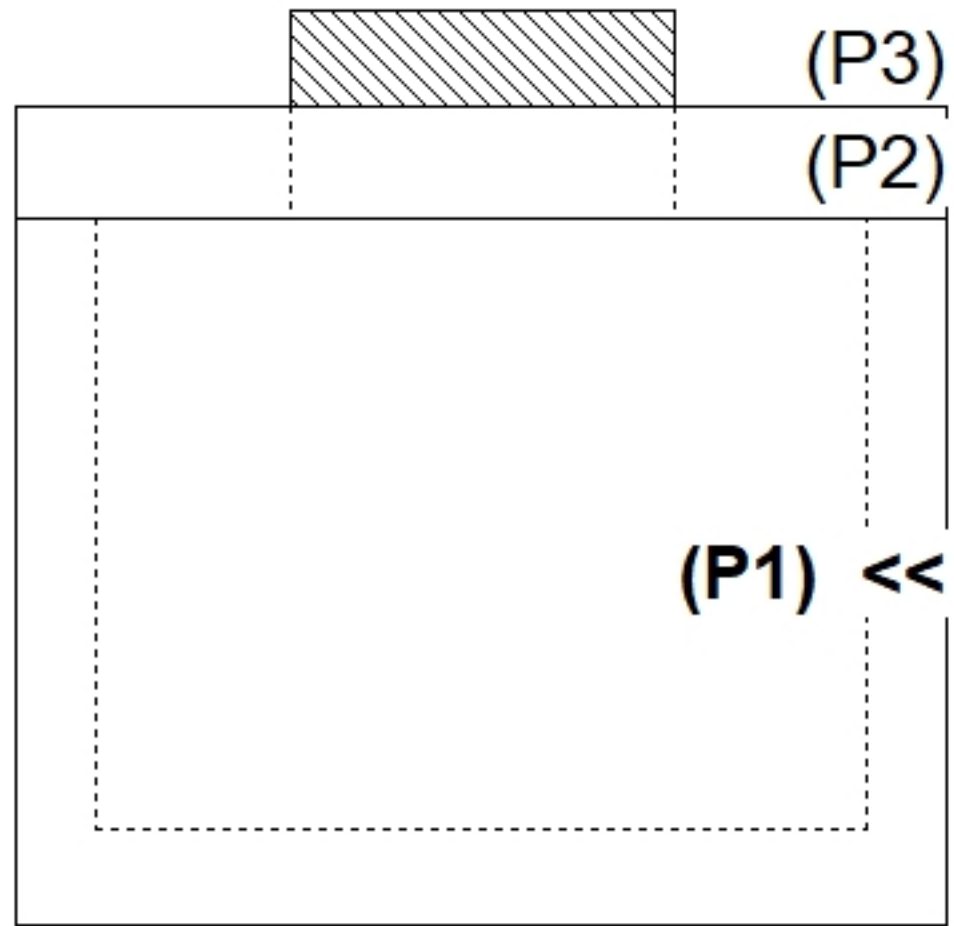
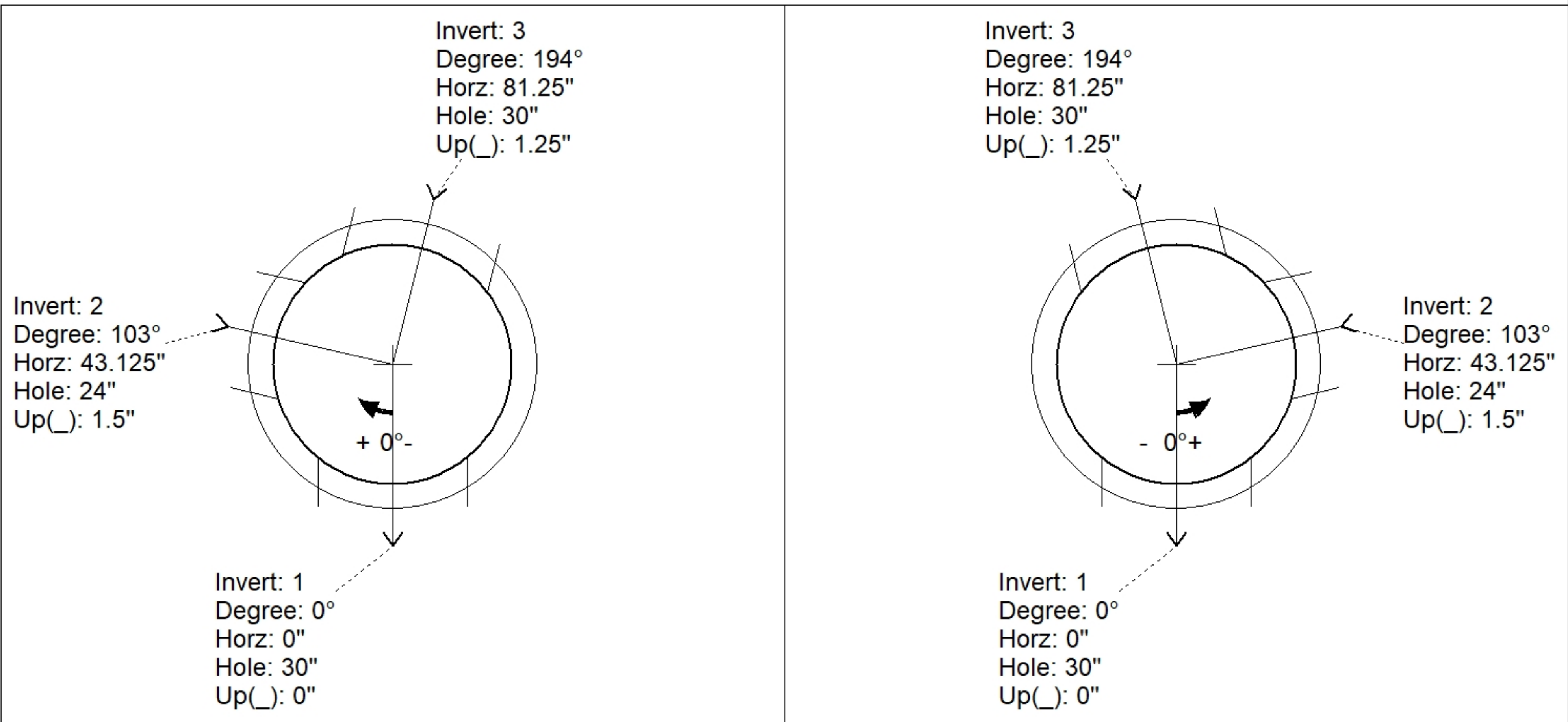
 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 514.2' Rim to Invert: 4.11' Slack: 0.22" Sump: 1.9" Step Position:

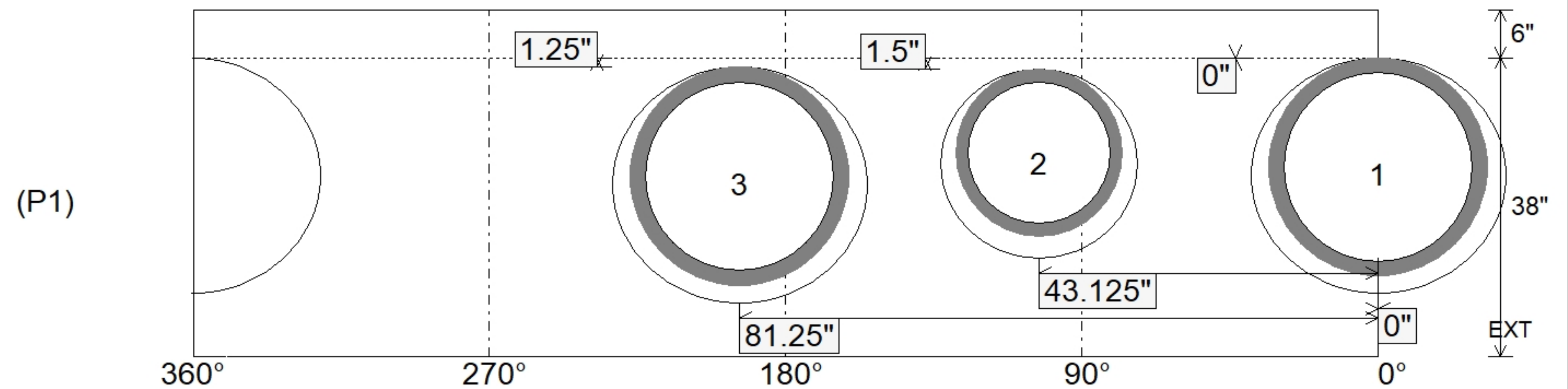
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	510.09'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"
Invert 2	510.19'	103°	52.125"	18" HDPE	21.2"	Hole 24	24"	25.133"	1.5"	0"
Invert 3	510.19'	194°	98.25"	24" HDPE	27.8"	Hole 30	30"	32.406"	1.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 5"	Height (Int): 38"	Weight (Net): 3156 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 44"	Volume (Net): 0.81cu.yd

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

Plant: 100
 4/30/2026 1:22:34 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S303

P2 MH048RS36

MH RISER T/G

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE Custom Ht T/n - 51"
- 1) CASTING - HOE MC-420 F/C Storm
- 2) 48" - Conseal CS-102 1.00"
- 2) Hole - 14
- 10) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 2515 lb
 4762 lb
 340 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 10617 lb

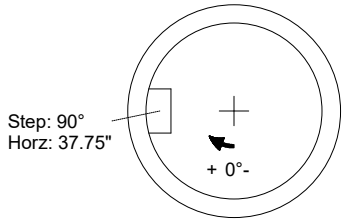
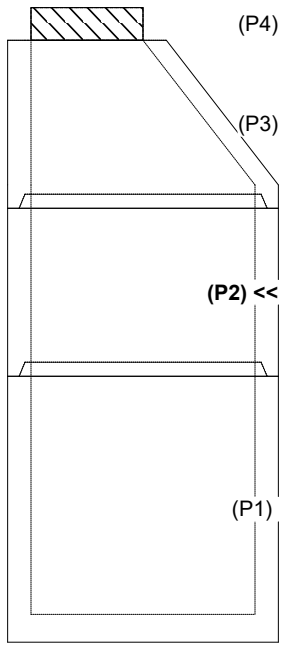
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE MC-420 F/C STORM)

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

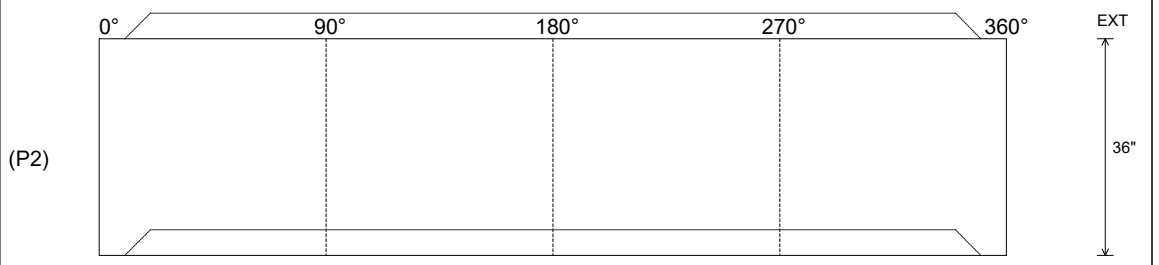
Rim: 455.85' Rim to Invert: 10.91' Slack: 0.92" Sump: 0" Step Position: 90°

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 2515 lb Volume (Net): 0.64cu.yd
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Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

Plant: 100
 4/30/2026 1:21:48 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S206

P1 MH048BAVF

MH BASE Custom Ht T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 24"
- P1) 48" - MH BASE Custom Ht T/n - 31"
- 1) CASTING - HOE MC-420 F/C Storm
- 1) 48" - Conseal CS-102 1.00"
- 2) Hole - 20
- 1) Hole - 16
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb
 1550 lb
 3140 lb
 340 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 5030 lb

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

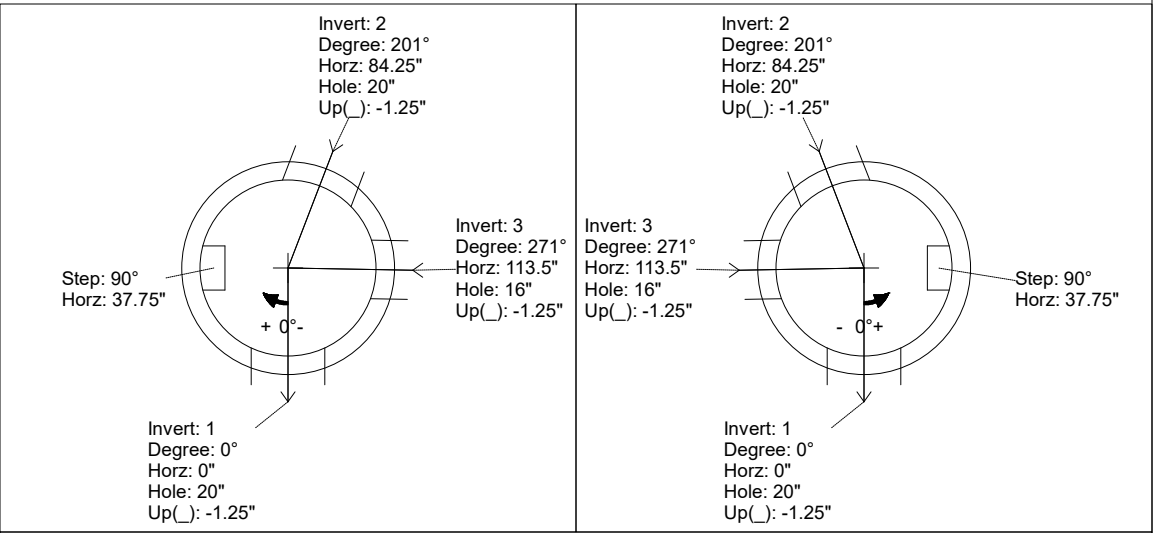
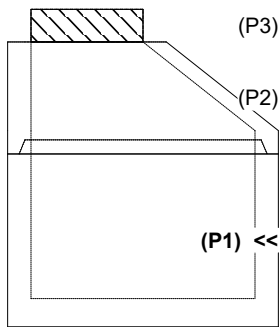
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 454.86' Rim to Invert: 5.17' Slack: 0.04" Sump: 0" Step Position: 90°

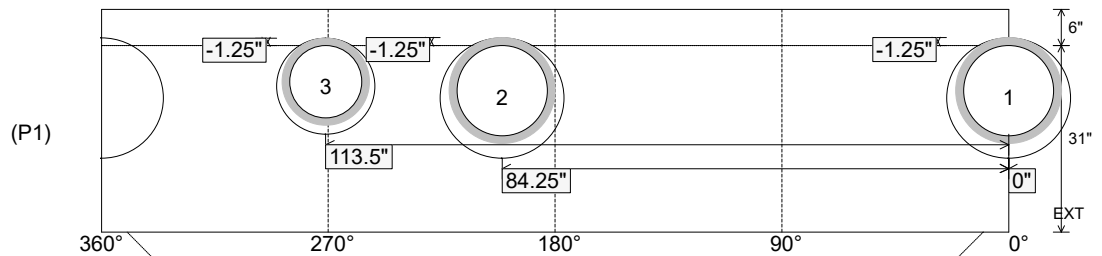
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	449.69'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.25"	0"
Invert 2	449.69'	201°	101.75"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.25"	0"
Invert 3	449.69'	271°	137.125"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 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): 31" Height (Ext): 37"	Weight (Net): 3140 lb Volume (Net): 0.8cu.yd
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Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

Plant: 100
 4/30/2026 1:21:46 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S202

P1 MH048BAVF

MH BASE Custom Ht F/n

- P3) 32" x 32" - CASTING HEIGHT - 3"
- P2) 48" - MH FLAT TOP w/32"x32" Hole F/F - 7"
- P1) 48" - MH BASE Custom Ht F/n - 21"
- 1) CASTING - HOE 595 F/G
- 1) 48" - Conseal CS-102 1.00"
- 1) 32" x 32" - Conseal CS-102 1.00"
- 2) Hole - 16

0 lb
 950 lb
 2626 lb
 376 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 3952 lb

Structure Notes:

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

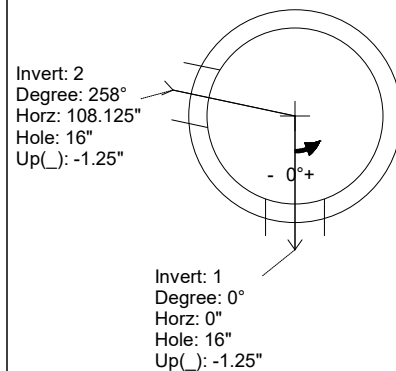
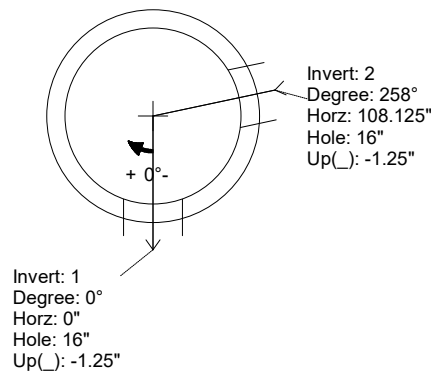
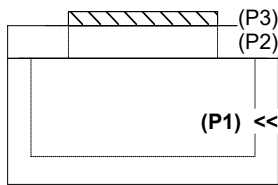
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 453.61' Rim to Invert: 2.6' Slack: 0.2" Sump: 0" Step Position:

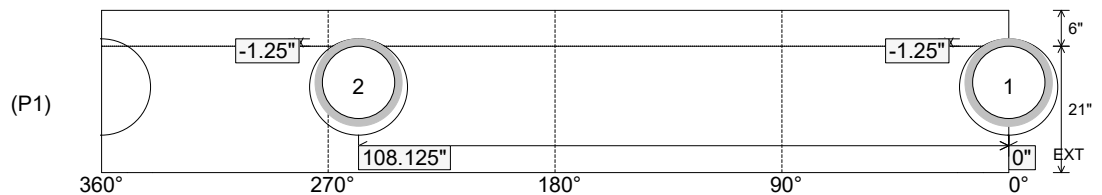
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	451.01'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 2	451.01'	258°	130.625"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 21"
 Height (Ext): 27"

Weight (Net): 2626 lb
 Volume (Net): 0.67cu.yd

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

Plant: 100
 4/30/2026 1:21:49 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S208

P1 MH048BAVF

MH BASE Custom Ht T/n

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

0 lb
 1629 lb
 2712 lb
 376 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 4717 lb

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

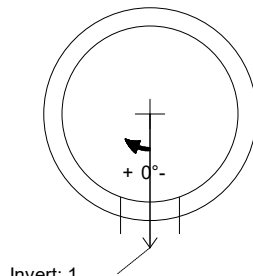
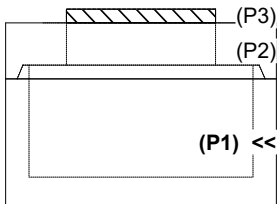
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 453.5' Rim to Invert: 3' Slack: 0" Sump: 0" Step Position:

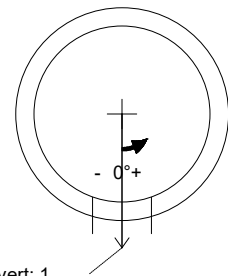
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌊)	Offset
Invert 1	450.5'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

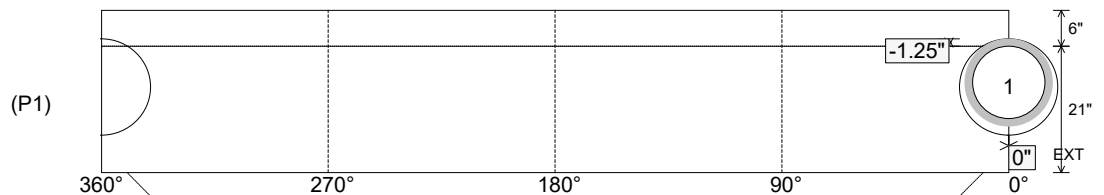


Invert: 1
 Degree: 0°
 Horz: 0"
 Hole: 16"
 Up(⌊): -1.25"



Invert: 1
 Degree: 0°
 Horz: 0"
 Hole: 16"
 Up(⌊): -1.25"

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 21"
 Height (Ext): 27"

Weight (Net): 2712 lb
 Volume (Net): 0.69cu.yd

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

Plant: 100

4/30/2026 1:23:02 PM

Tech: Jared - F

PC: J. Jarvis



Structure ID: S208

P2 MH048LD12S

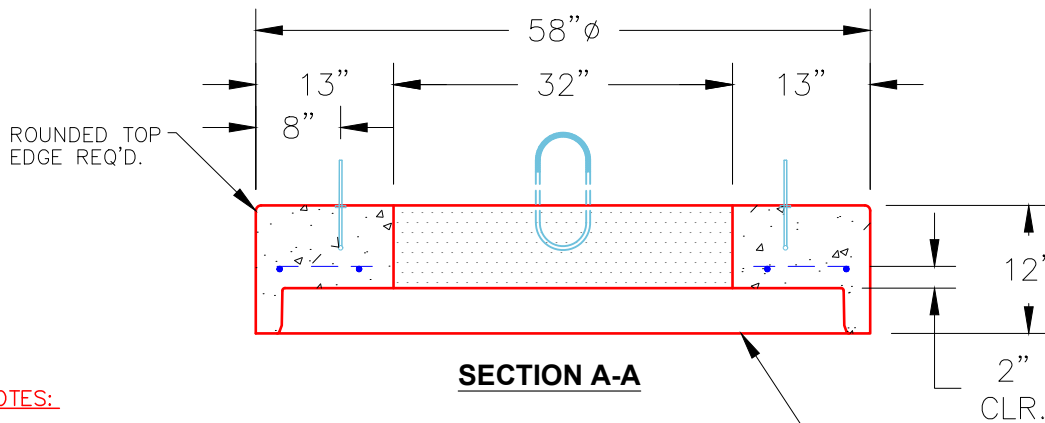
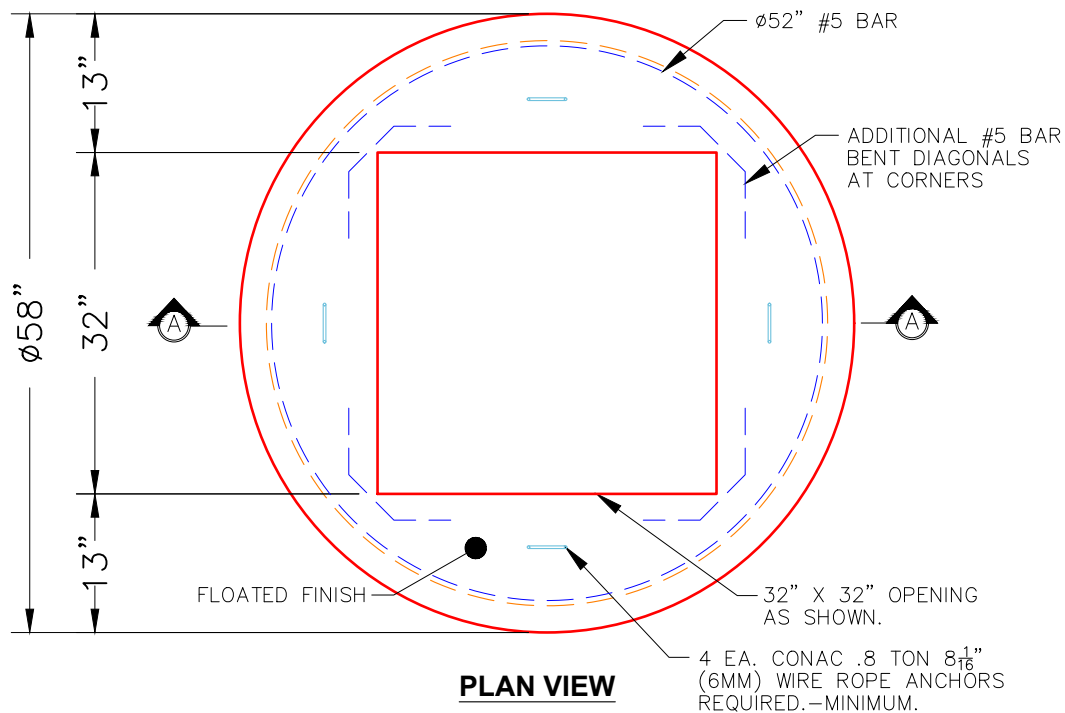
MH FLAT TOP w/32"x32" Hole F/G

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

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

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

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



NOTES:

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

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1629 lb
 Volume (Net): 0.42cu.yd

Structure ID: 164-73 SS-MH

P1 MH048BAVF

MH BASE (08"F) T/n

P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE (08"F) T/n - 34" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal1 - S106-20BW 1) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"	0 lb 3000 lb 3353 lb 3830 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 8 lb 0 lb <hr style="border-top: 1px dashed black;"/> Structure Total: 11916 lb
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Structure Notes:

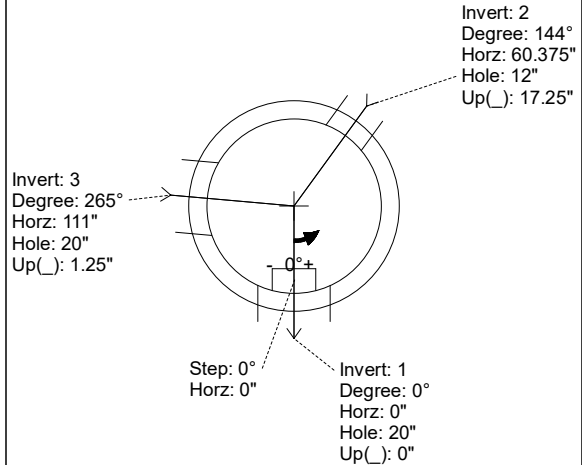
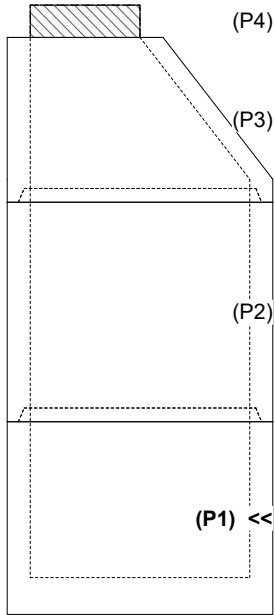
1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. STEPS AT 0 DEGREES
6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

Rim: 486.05' Rim to Invert: 10.39' Slack: 2.18" Sump: 2.5" Step Position: 0°

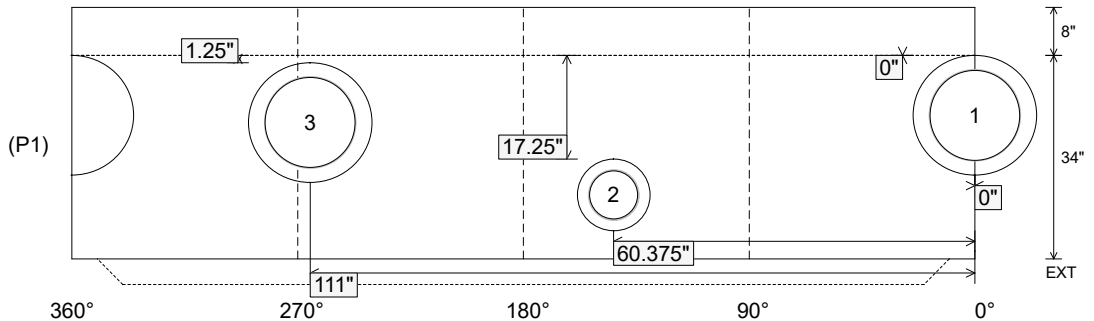
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	475.66'	0°	0"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	20"	20.629"	0"	0"
Invert 2	477.06'	144°	72.875"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	17.25"	0"
Invert 3	475.76'	265°	134.125"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	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: 8"	Height (Int): 34" Height (Ext): 42"	Weight (Net): 3830 lb Volume (Net): 0.98cu.yd
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Structure ID: 164-73 SS-MH

P1 MH048BAVF

MH BASE (08"F) T/n

P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE (08"F) T/n - 34" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal1 - S106-20BW 1) PSX - 12-08 NYLO 8) MH Step ML-10-TDS-NCR - 10"	0 lb 3000 lb 3353 lb 3830 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 8 lb 0 lb <hr style="border-top: 1px dashed black;"/> Structure Total: 11916 lb
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Structure Notes:

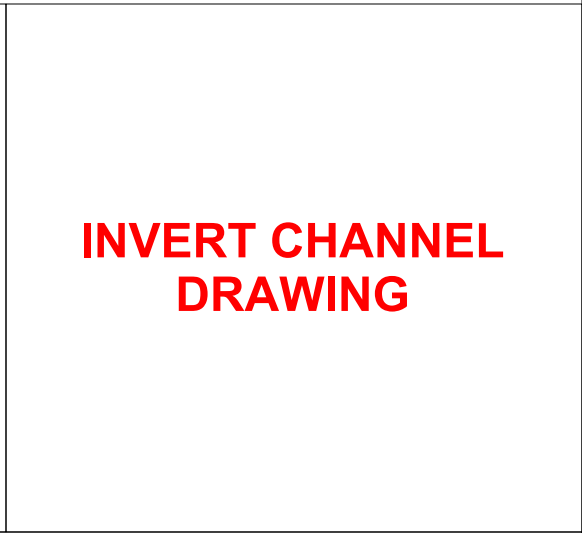
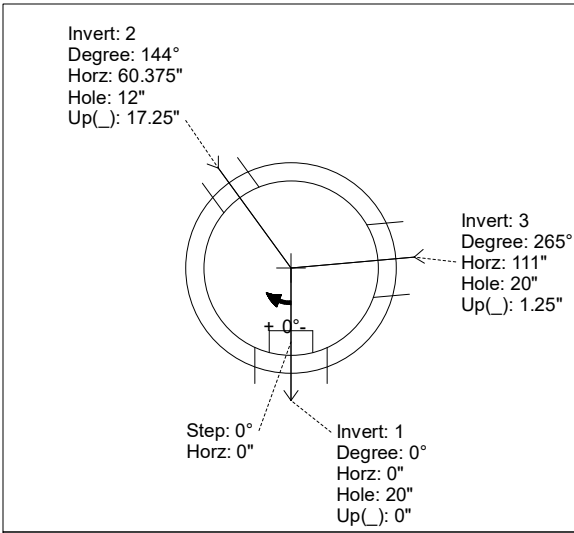
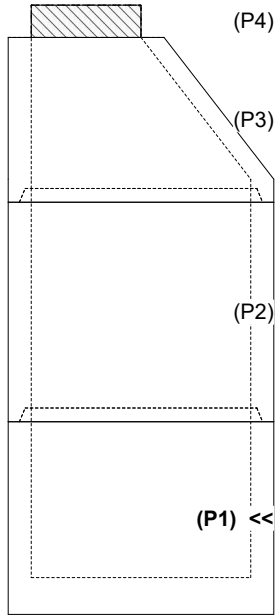
1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. STEPS AT 0 DEGREES
6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

Rim: 486.05' Rim to Invert: 10.39' Slack: 2.18" Sump: 2.5" Step Position: 0°

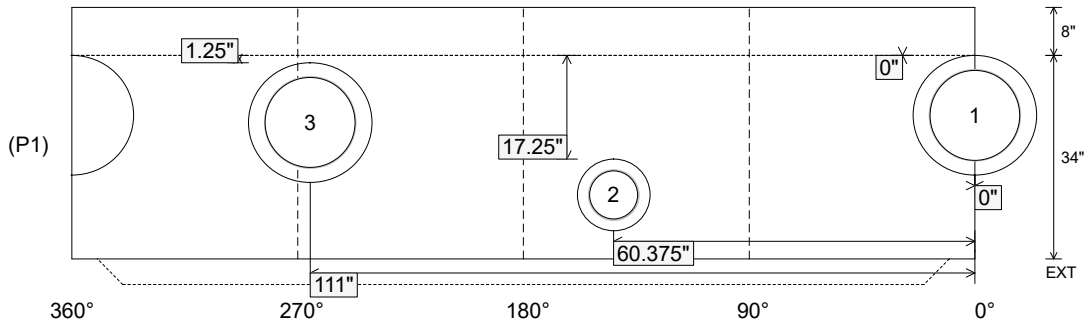
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	475.66'	0°	0"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	20"	20.629"	0"	0"
Invert 2	477.06'	144°	72.875"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	17.25"	0"
Invert 3	475.76'	265°	134.125"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	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: 8"	Height (Int): 34" Height (Ext): 42"	Weight (Net): 3830 lb Volume (Net): 0.98cu.yd
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Structure ID: 165-74 SS-MH

P1 MH048BAVF

MH BASE (08"F) T/n

P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE (08"F) T/n - 28" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal1 - S106-20BW 4) MH Step ML-10-TDS-NCR - 10"	0 lb 2050 lb 3459 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 0 lb ----- Structure Total: 7233 lb
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Structure Notes:

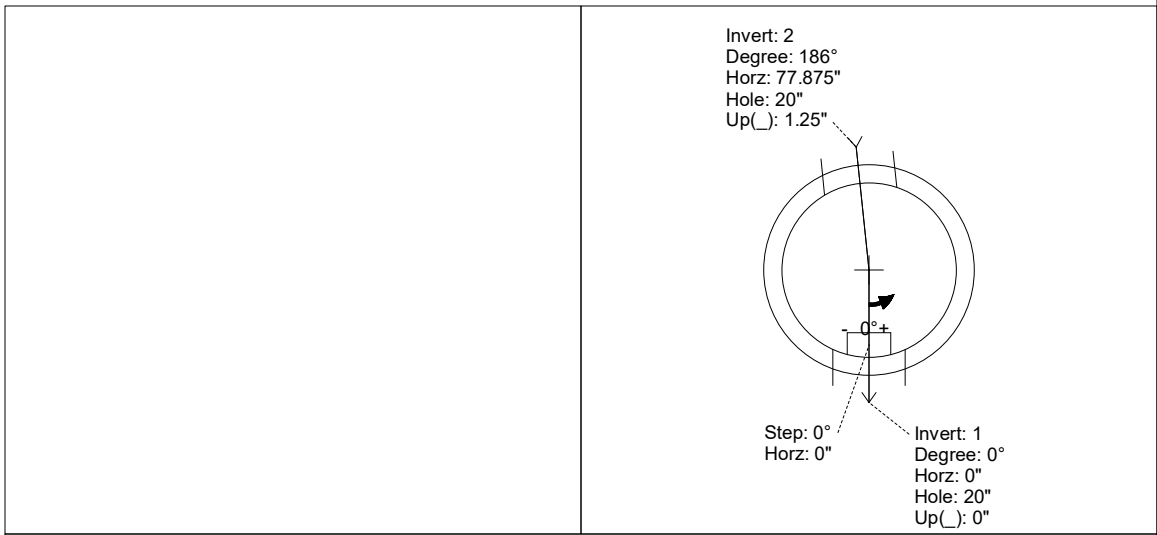
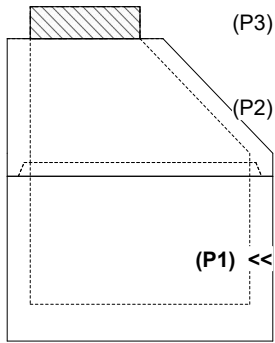
1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. STEPS AT 0 DEGREES
6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

Rim: 479.43' Rim to Invert: 5.41' Slack: 2.42" Sump: 2.5" Step Position: 0

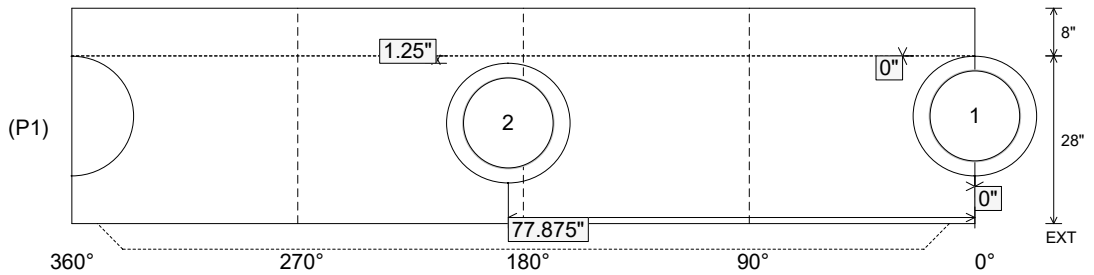
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	474.02'	0°	0"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	20"	20.629"	0"	0"
Invert 2	474.12'	186°	94.125"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	20"	20.629"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 28" Height (Ext): 36"	Weight (Net): 3459 lb Volume (Net): 0.88cu.yd
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Job Name: 26-1322B - KYTC Warren Co Call 104 (261503)	Plant: 100	Tech: Jared - A	
Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC	4/21/2026 2:25:09 PM	PC: Celina Goff	

Structure ID: 165-74 SS-MH

P1 MH048BAVF

MH BASE (08"F) T/n

P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 48" - ECC CONE w/ 24" HOLE F/G - 30"	2050 lb
P1) 48" - MH BASE (08"F) T/n - 28"	3459 lb
1) 48" - MH INVERT CHANNEL - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) CASTING - HOE MC-375 F/C BGMU Sanitary	271 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) Kor-N-Seal1 - S106-20BW	13 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	7233 lb

Structure Notes:

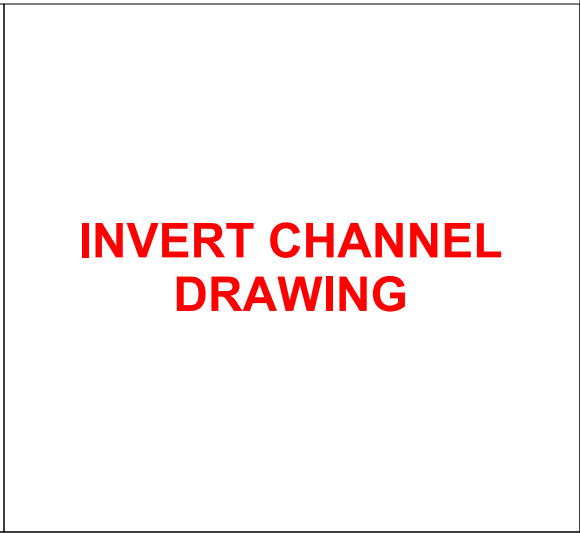
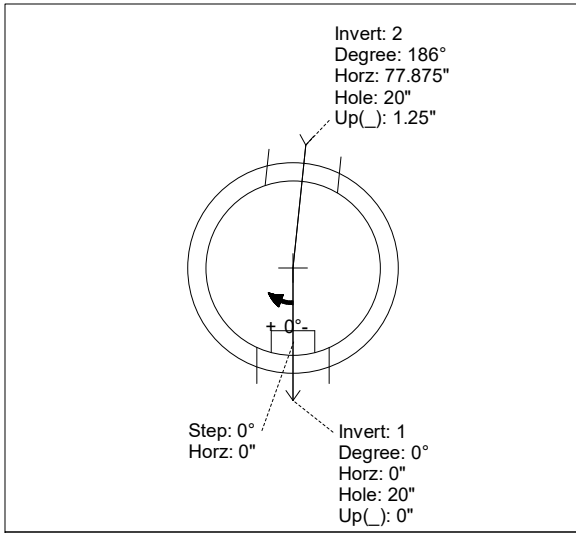
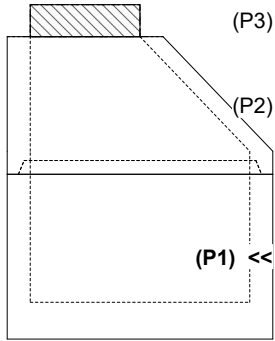
1. PER KYTC & ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. STEPS AT 0 DEGREES
6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST

Rim: 479.43' Rim to Invert: 5.41' Slack: 2.42" Sump: 2.5" Step Position: 0

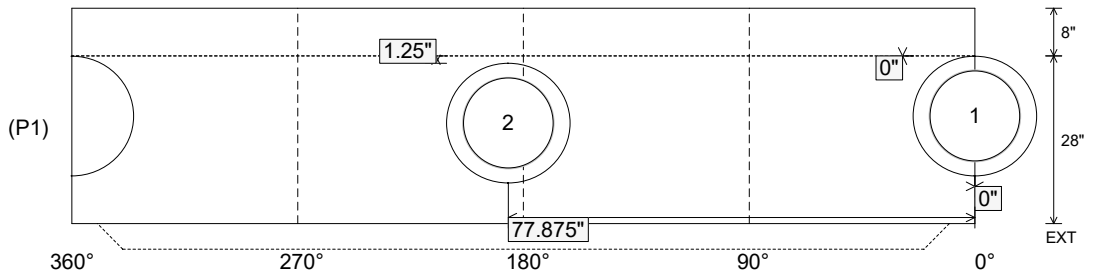
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⊥)	Offset
Invert 1	474.02'	0°	0"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	20"	20.629"	0"	0"
Invert 2	474.12'	186°	94.125"	15" PVC SDR35	15.3"	Kor-N-Seal1 S106-20BW	20"	20.629"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 28" Height (Ext): 36"	Weight (Net): 3459 lb Volume (Net): 0.88cu.yd
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Job Name: 25-4299 - Seneca High School
 Job Location: Louisville, KY
 Contractor: Dan Cristiani Excavating Co. Inc.

Plant: 100
 2/13/2026 10:06:07 AM

Tech: J. Horsley
 PC: J. Jarvis



Structure ID: A29

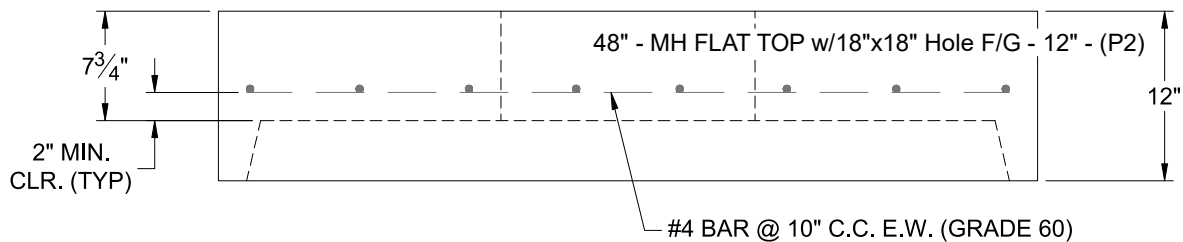
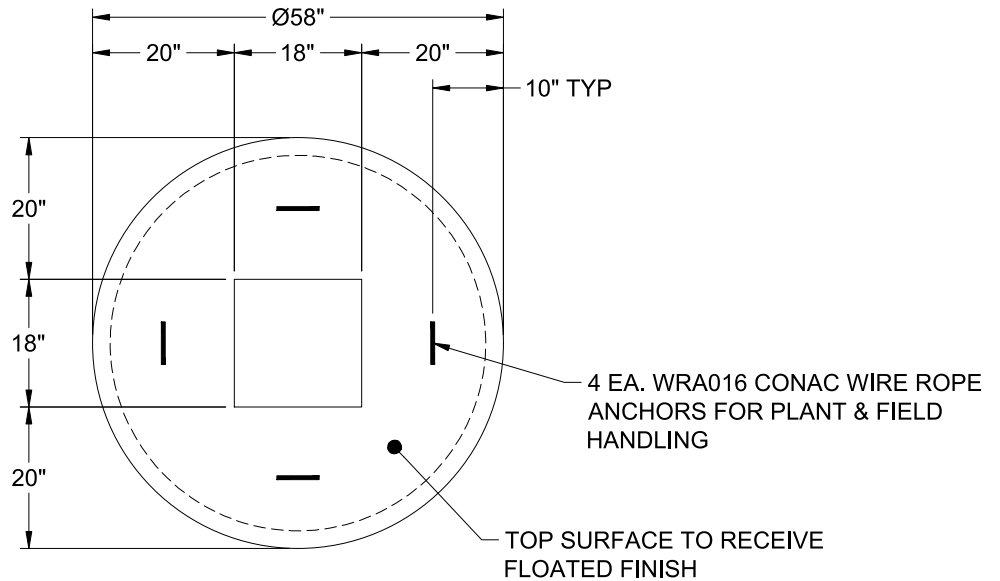
P2 MH048LD12-18X18

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

- P3) 18" x 18" - CASTING HEIGHT - 4"
- P2) 48" - MH FLAT TOP w/18"x18" Hole F/G - 12"
- P1) 48" - MH BASE T/n - 36"
- 1) 48" - Conseal CS-102 1.00"
- 1) Hole - 20
- 2) Hole - 14

	0 lb
	2334 lb
	3579 lb
	0 lb
	0 lb
	0 lb
Structure Total:	5913 lb

- Structure Notes:**
1. PER LOUISVILLE MSD / ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #4 BAR @ 10" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS
 5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
 6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 12"	Weight (Net): 2334 lb Volume (Net): 0.6cu.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 11:30:35 AM

Tech: J. Copping
 PC: A. Chambers



Structure ID: SCI 43

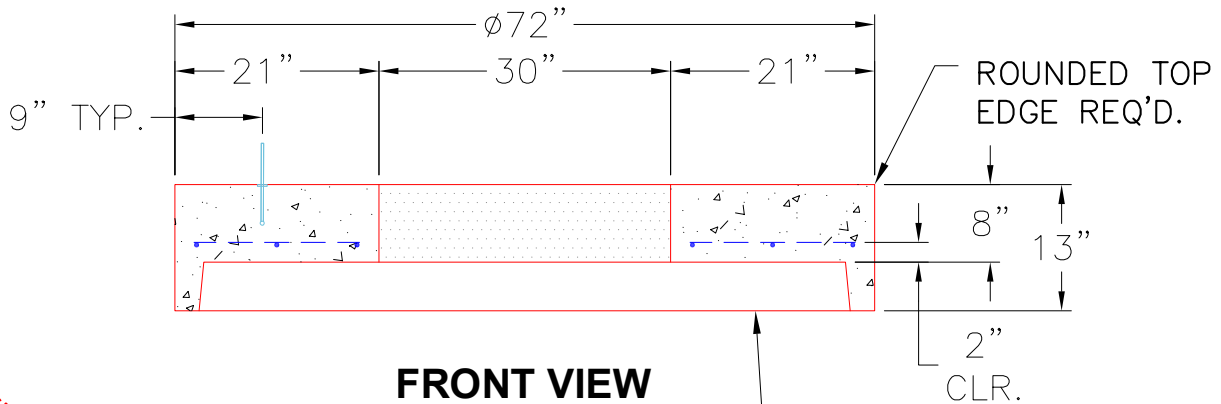
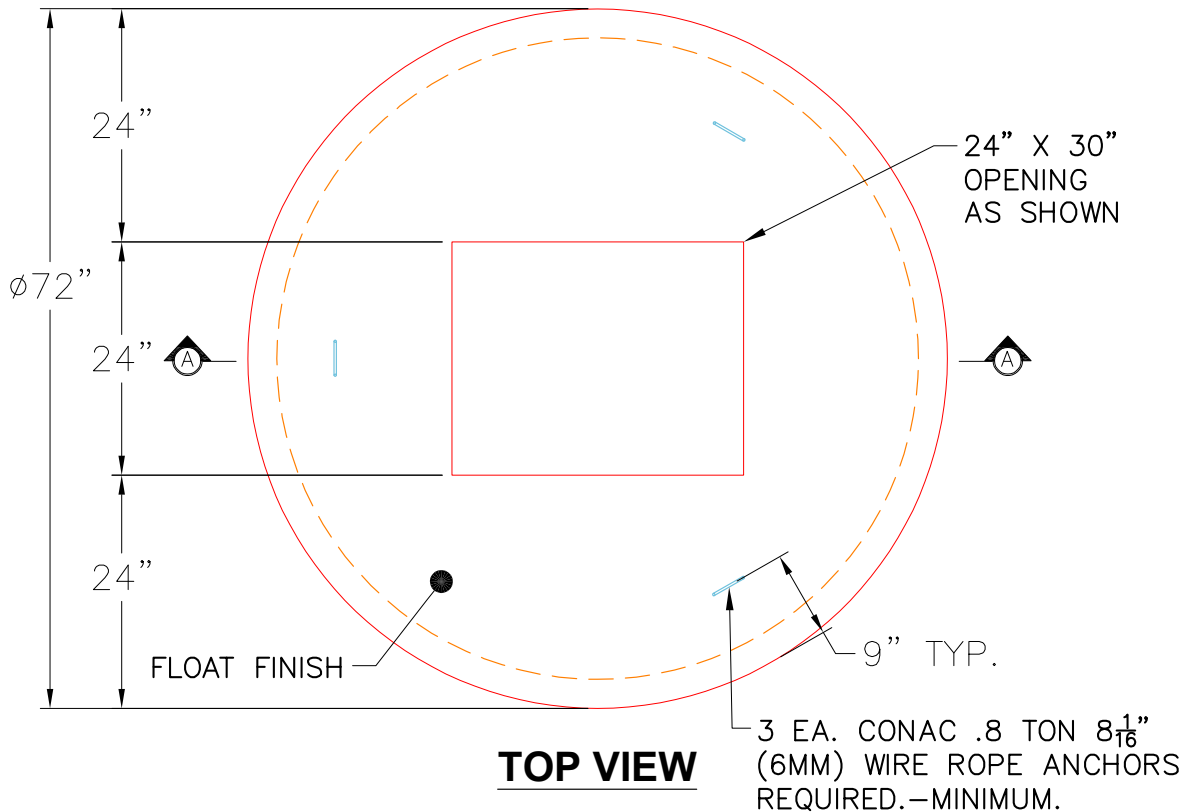
P2 MH060LD13-24X30RECT

MH FLAT TOP w/24"x30" Hole

- P3) 24" x 30" - CASTING HEIGHT - 6"
- P2) 60" - MH FLAT TOP w/24"x30" Hole - 13"
- P1) 60" - MH BASE Custom Ht - 69"
- 1) CASTING - HOE 360 Set (F/G/H)
- 1) 60" - Conseal CS-102 1.00"
- 1) 24" x 30" - Conseal CS-102 1.00"
- 1) Hole - 44
- 2) Hole - 30
- 1) Hole - 24
- 6) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:**
1. JR HOE HOE-360 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: 11152 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): 2668 lb Volume (Net): 0.68cu.yd
----------------------------------	----------------------------------	--------------------	-------------------	--

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

Plant: 100
 4/30/2026 1:22:33 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S216

P2 MH060RS24

MH RISER T/G

- P4) 24" - CASTING HEIGHT - 7"
- P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"
- P2) 60" - MH RISER T/G - 24"
- P1) 60" - MH BASE Custom Ht T/n - 65"
- 1) CASTING - HOE MC-420 F/C Storm
- 2) 60" - Conseal CS-102 1.00"
- 1) Hole - 38
- 1) Hole - 16
- 1) Hole - 30
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 2869 lb
 2505 lb
 8437 lb
 340 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 14151 lb

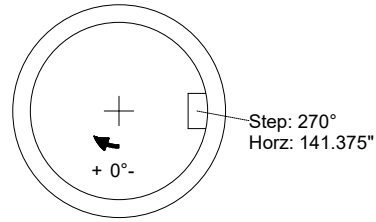
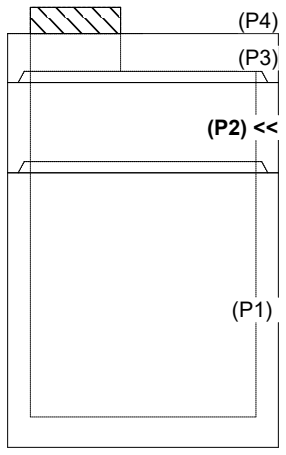
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE MC-420 F/C STORM)

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

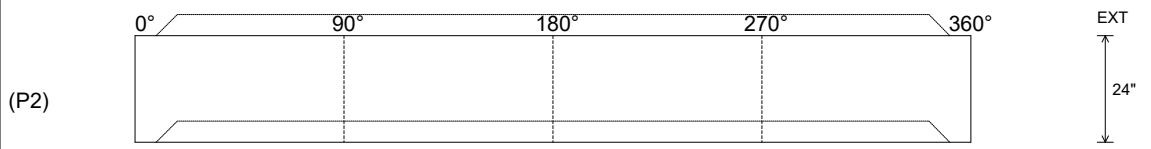
Rim: 454.62' Rim to Invert: 9.14' Slack: 0.68" Sump: 0" Step Position: 270°

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 6" Floor Height: 0"	Height (Int): 24" Height (Ext): 24"	Weight (Net): 2505 lb Volume (Net): 0.64cu.yd
----------------------------------	------------------------------------	--	--	--

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

Plant: 100
 4/30/2026 1:23:04 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S216

P3 MH060LD13

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

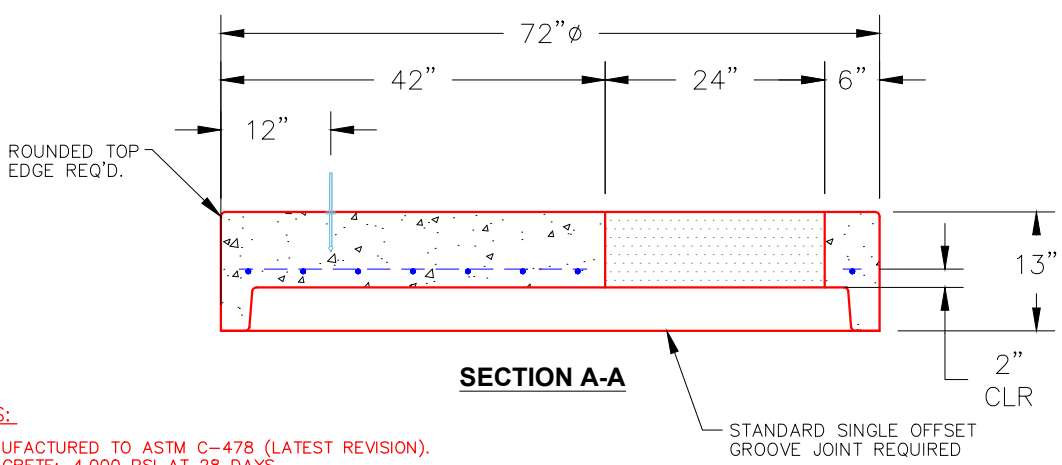
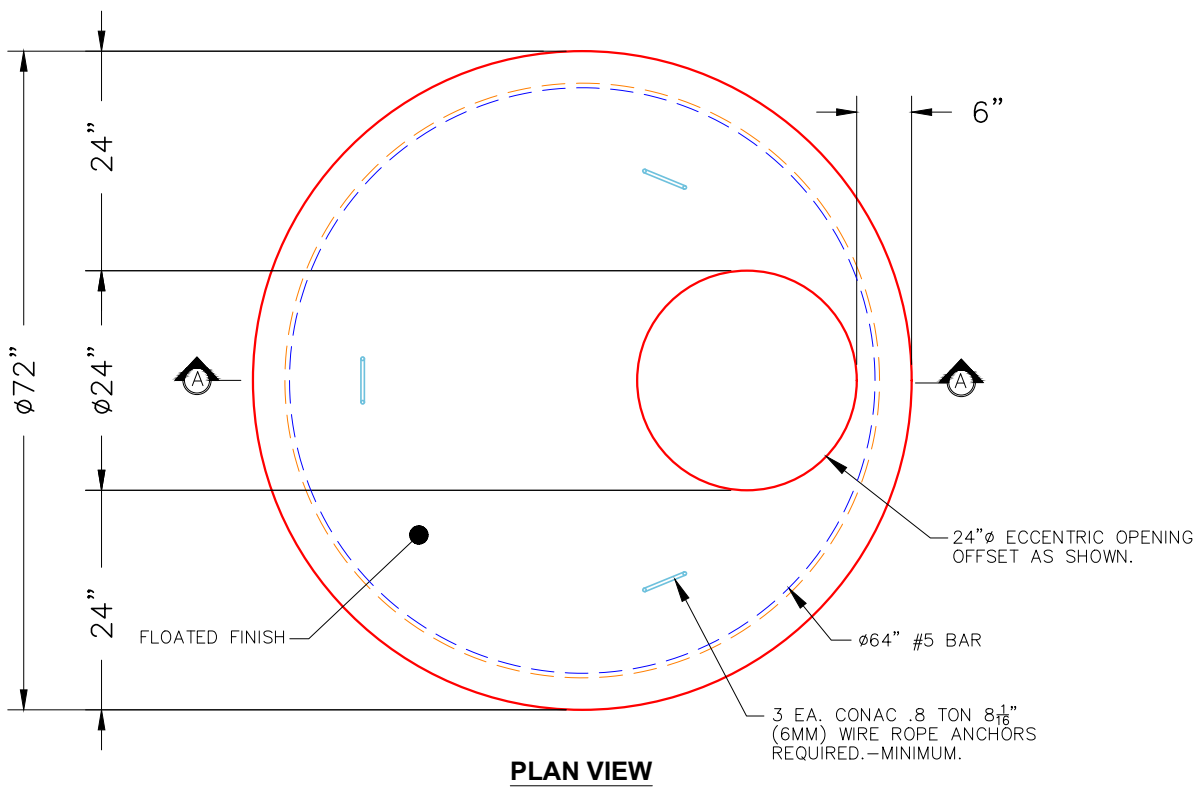
- P4) 24" - CASTING HEIGHT - 7"
- P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"
- P2) 60" - MH RISER T/G - 24"
- P1) 60" - MH BASE Custom Ht T/n - 65"
- 1) CASTING - HOE MC-420 F/C Storm
- 2) 60" - Conseal CS-102 1.00"
- 1) Hole - 38
- 1) Hole - 16
- 1) Hole - 30
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 2869 lb
 2505 lb
 8437 lb
 340 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 14151 lb

Structure Total:

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

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



- 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: 6"	Height (Ext): 13"	Weight (Net): 2869 lb Volume (Net): 0.73cu.yd
----------------------------------	----------------------------------	--------------------	-------------------	--

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

Plant: 100
 4/30/2026 1:21:54 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S216

P1 MH060BAVF

MH BASE Custom Ht T/n

- P4) 24" - CASTING HEIGHT - 7"
- P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"
- P2) 60" - MH RISER T/G - 24"
- P1) 60" - MH BASE Custom Ht T/n - 65"
- 1) CASTING - HOE MC-420 F/C Storm
- 2) 60" - Conseal CS-102 1.00"
- 1) Hole - 38
- 1) Hole - 16
- 1) Hole - 30
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 2869 lb
 2505 lb
 8437 lb
 340 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 14151 lb

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

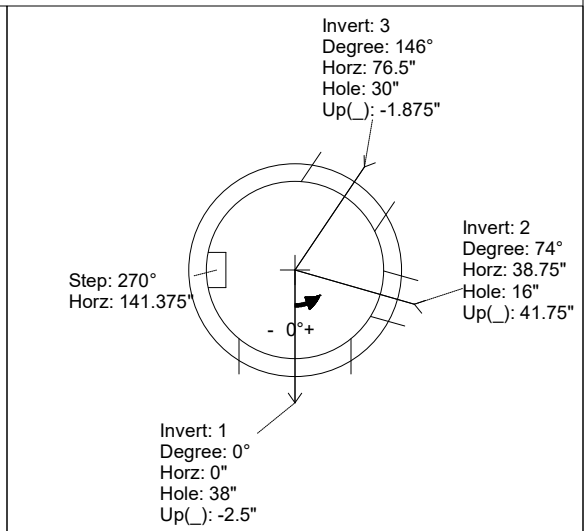
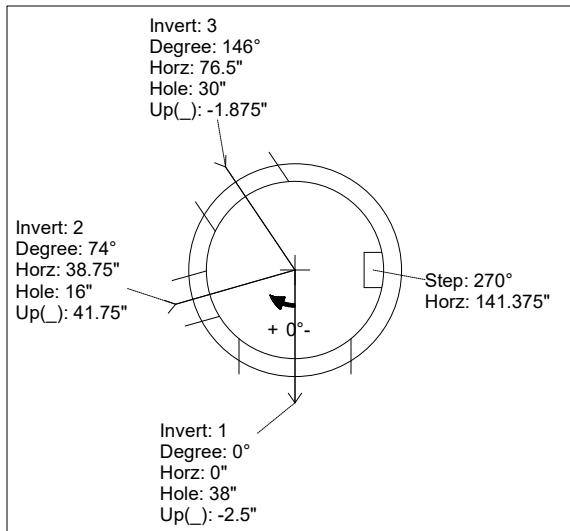
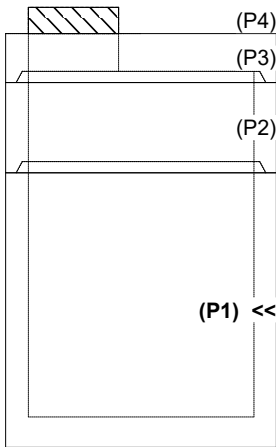
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 454.62' Rim to Invert: 9.14' Slack: 0.68" Sump: 0" Step Position: 270°

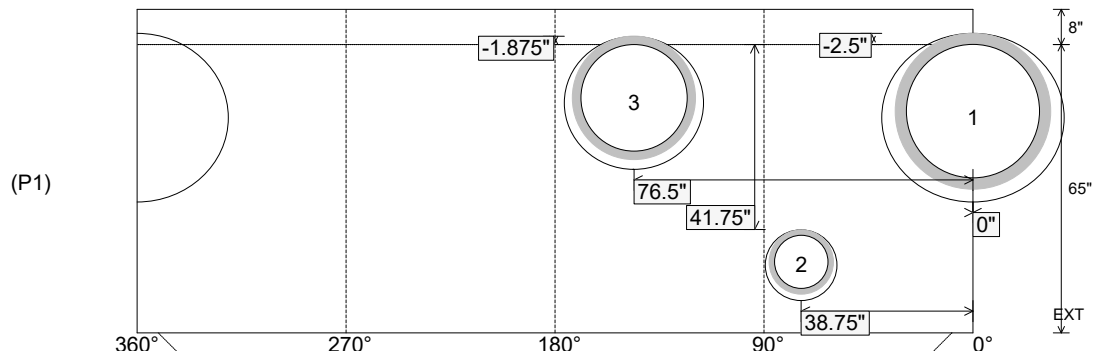
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	445.48'	0°	0"	30" HDPE	35.1"	Hole 38	38"	41.151"	-2.5"	0"
Invert 2	449.06'	74°	46.5"	12" HDPE	14.5"	Hole 16	16"	16.196"	41.75"	0"
Invert 3	445.48'	146°	91.75"	24" HDPE	27.8"	Hole 30	30"	31.416"	-1.875"	0"
Invert 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: 6"
 Floor Height: 8"

Height (Int): 65"
 Height (Ext): 73"

Weight (Net): 8437 lb
 Volume (Net): 2.15cu.yd

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

Plant: 100
 4/30/2026 1:22:32 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S210

P2 MH060RS12S

MH RISER T/G

- P4) 32" x 32" - CASTING HEIGHT - 3"
- P3) 60" - MH FLAT TOP w/32"x32" Hole F/G - 13"
- P2) 60" - MH RISER T/G - 12"
- P1) 60" - MH BASE Custom Ht T/n - 69"
- 1) CASTING - HOE 595 F/G
- 2) 60" - Conseal CS-102 1.00"
- 1) 32" x 32" - Conseal CS-102 1.00"
- 2) Hole - 30
- 2) Hole - 16

0 lb
 2369 lb
 1253 lb
 8992 lb
 376 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 12990 lb

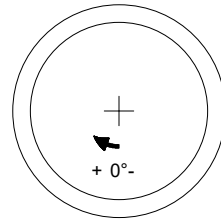
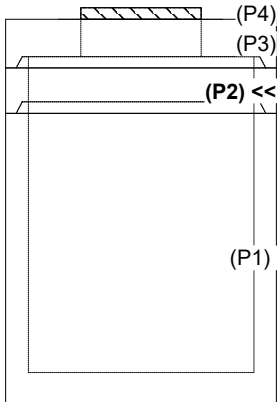
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 595 F/G)

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

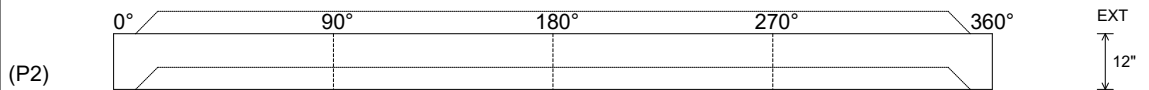
Rim: 454.59' Rim to Invert: 8.15' Slack: 0.8" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (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: 6"
 Floor Height: 0"

Height (Int): 12"
 Height (Ext): 12"

Weight (Net): 1253 lb
 Volume (Net): 0.32cu.yd

Job Name: 26-2366 840323 Churchill Downs Skye Terrace Improvements	Plant: Beaver Dam	Tech: S. Felletter	
Job Location: Louisville, KY Contractor: Contech Engineering Solutions	5/20/2026 2:43:19 PM	PC: C. Goff	

Structure ID: 10-CS-6

P1 MH072BA24

MH BASE T/n

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

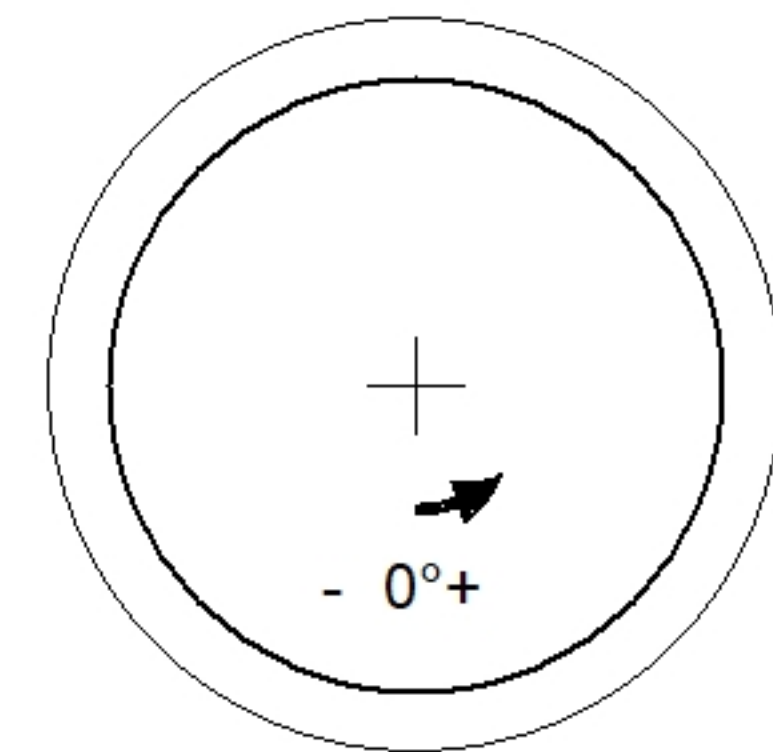
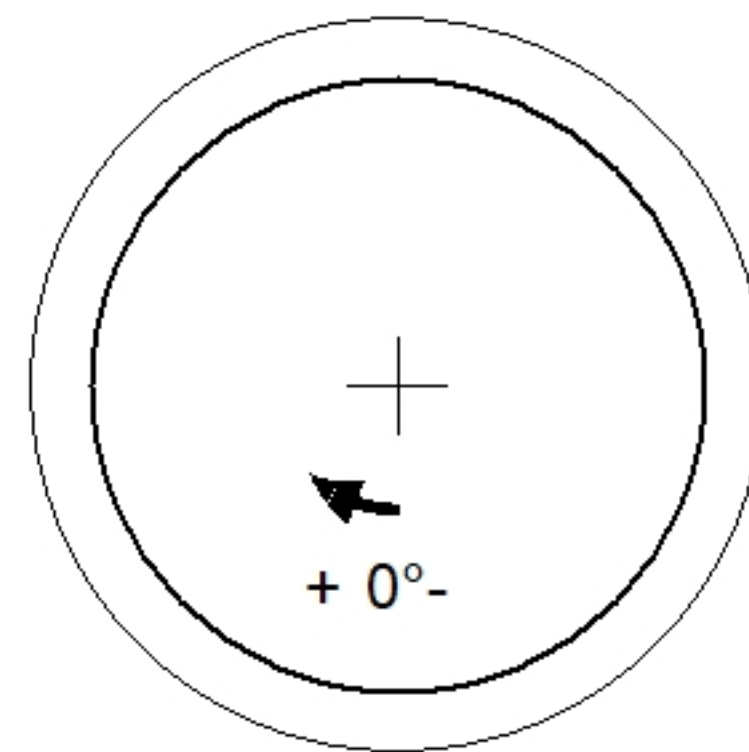
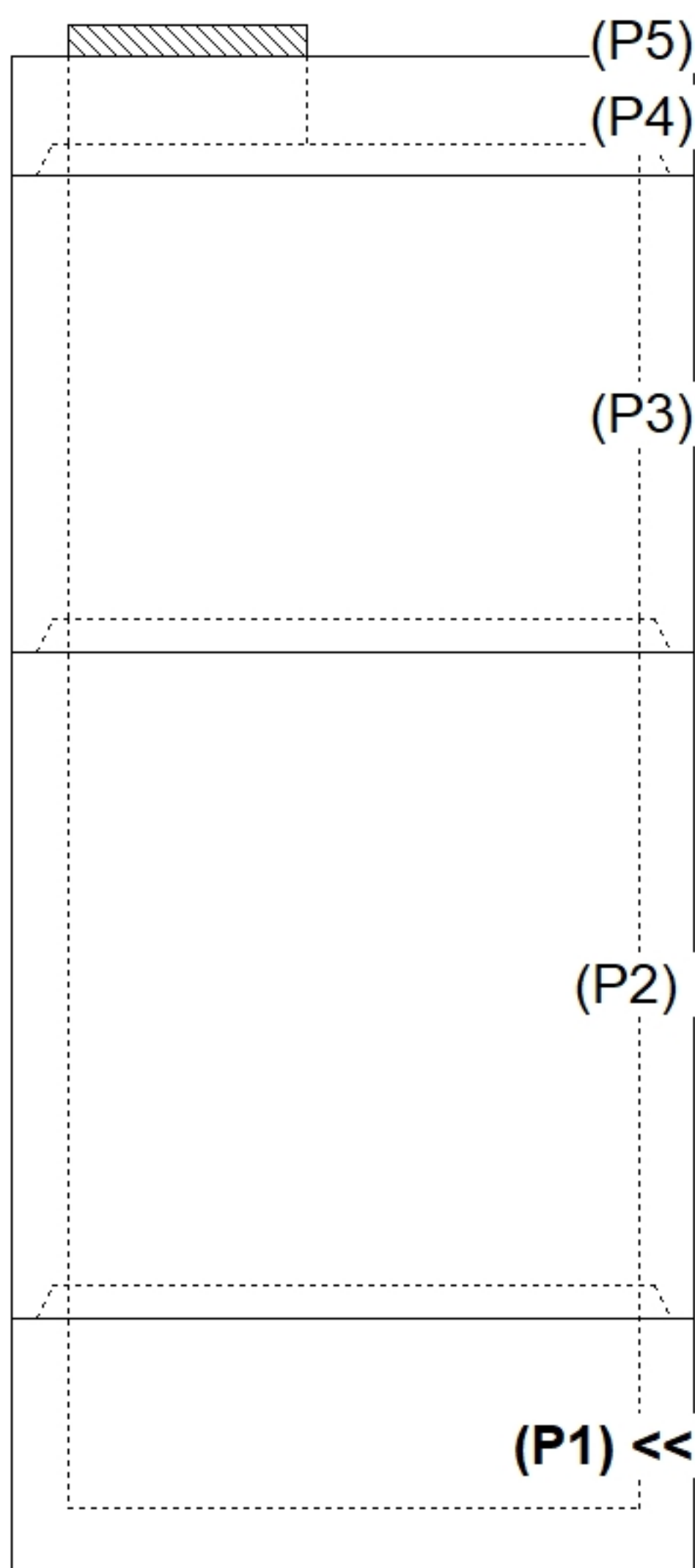
Structure Notes:
 4" CASTING BY OTHERS
 LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE
 ICAST TO INSTALL THE INTERNALS
 CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE

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

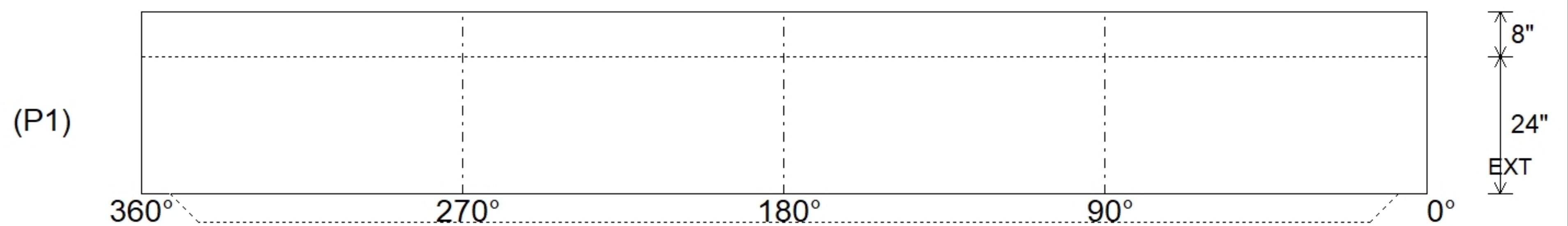
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 7"	Height (Int): 24"	Weight (Net): 7398 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 8"	Height (Ext): 32"	Volume (Net): 1.89cu.yd

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

Plant: 100
 4/30/2026 1:22:34 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S301

P2 MH072RS24

MH RISER T/G

- P4) 24" - CASTING HEIGHT - 7" 0 lb
 - P3) 72" - MH FLAT LID w/24in ECC Hole F/G - 15" 5098 lb
 - P2) 72" - MH RISER T/G - 24" 3499 lb
 - P1) 72" - MH BASE T/n - 84" 13953 lb
 - 1) CASTING - HOE MC-420 F/C Storm 340 lb
 - 2) 72" - Conseal CS-102 1.00" 0 lb
 - 1) Hole - 14 0 lb
 - 1) Hole - 38 0 lb
 - 1) Hole - 30 0 lb
 - 1) Hole - 8 0 lb
 - 1) Hole - 44 0 lb
 - 9) MH Step ML-10-TDS-NCR - 10" 0 lb
- Structure Total: 22890 lb

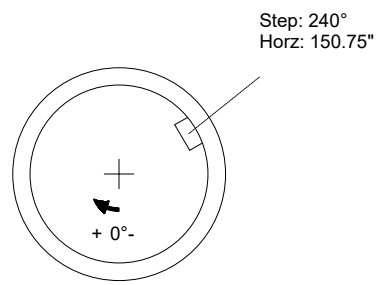
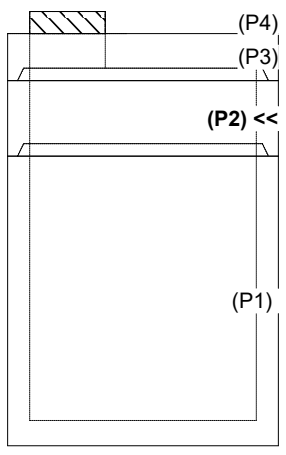
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE MC-420 F/C STORM)

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

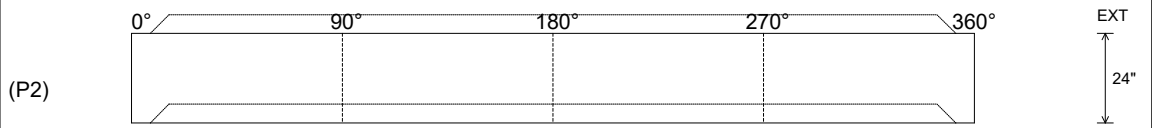
Rim: 455.98' Rim to Invert: 10.84' Slack: 0.08" Sump: 0" Step Position: 240°

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: 7" Floor Height: 0"	Height (Int): 24" Height (Ext): 24"	Weight (Net): 3499 lb Volume (Net): 0.89cu.yd
----------------------------------	------------------------------------	--	--	--

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

Plant: 100

4/30/2026 1:23:05 PM

Tech: Jared - F

PC: J. Jarvis



Structure ID: S301

P3 MH072LD15-24ECC

MH FLAT LID w/24in ECC Hole F/G

- P4) 24" - CASTING HEIGHT - 7"
- P3) 72" - MH FLAT LID w/24in ECC Hole F/G - 15"
- P2) 72" - MH RISER T/G - 24"
- P1) 72" - MH BASE T/n - 84"
- 1) CASTING - HOE MC-420 F/C Storm
- 2) 72" - Conseal CS-102 1.00"
- 1) Hole - 14
- 1) Hole - 38
- 1) Hole - 30
- 1) Hole - 8
- 1) Hole - 44
- 9) MH Step ML-10-TDS-NCR - 10"

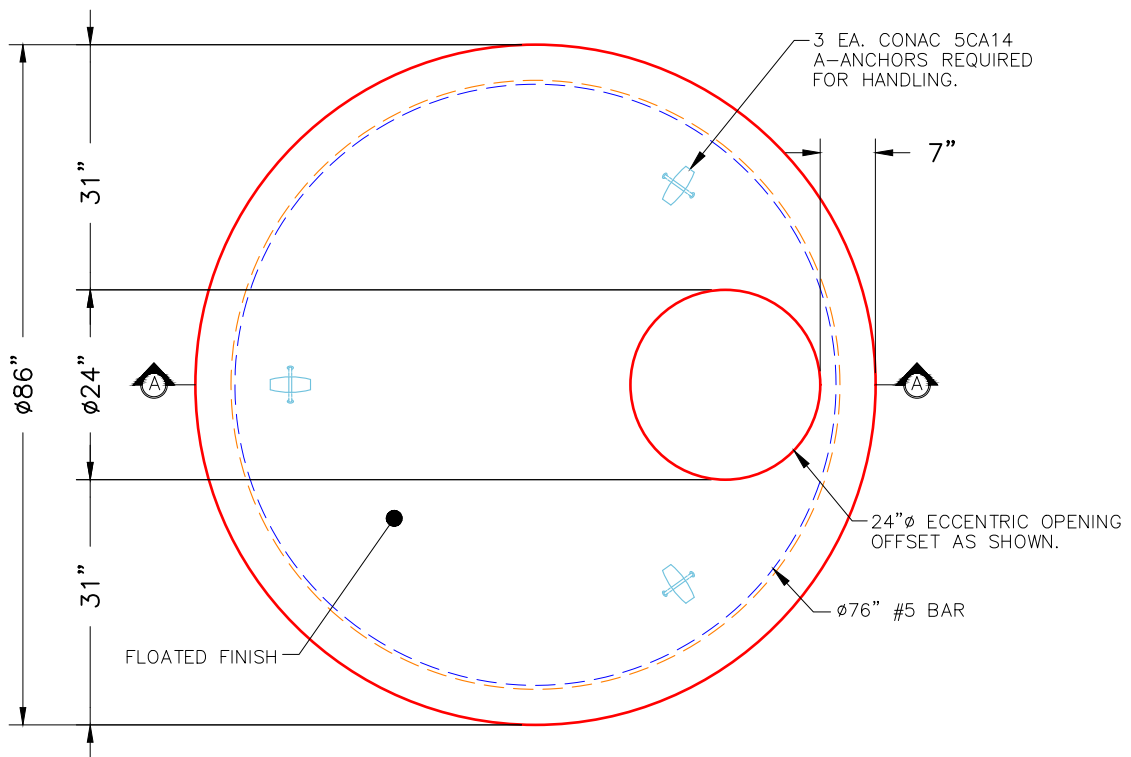
- 0 lb
- 5098 lb
- 3499 lb
- 13953 lb
- 340 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb

Structure Total: 22890 lb

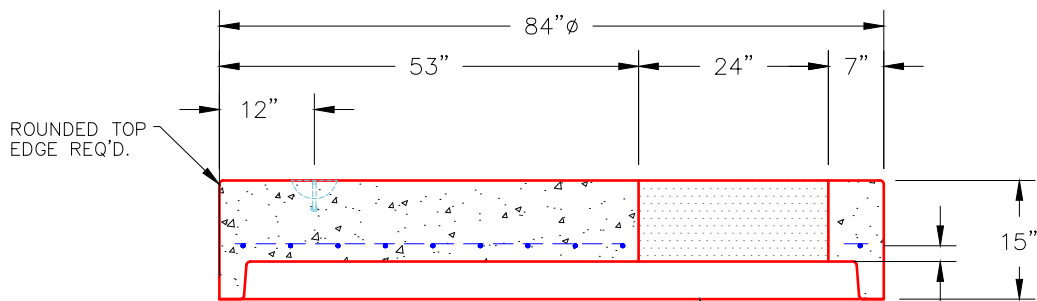
Structure Notes:

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

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



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 7"

Height (Ext): 15"

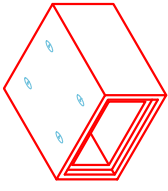
Weight (Net): 5098 lb
Volume (Net): 1.3cu.yd



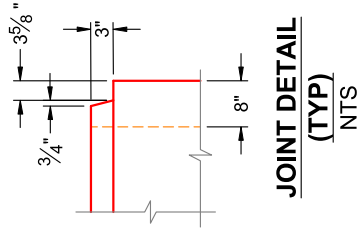
Structure ID: BC 4 x 2 (PC 9)

P1 BC048024-08WLF

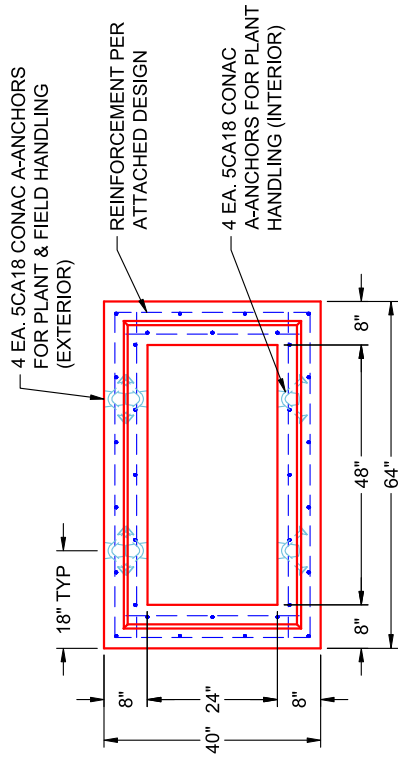
BOX CULVERT (08W/08F/08T) No Haunch G/T



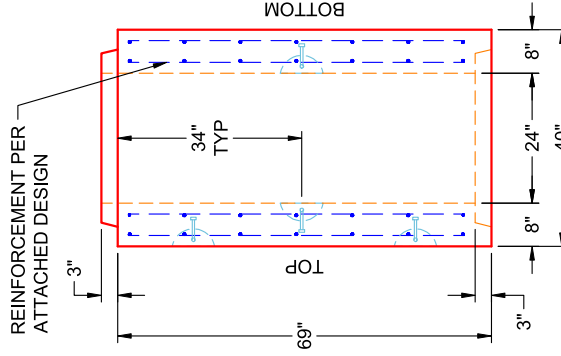
COMPONENT ISOMETRIC VIEW



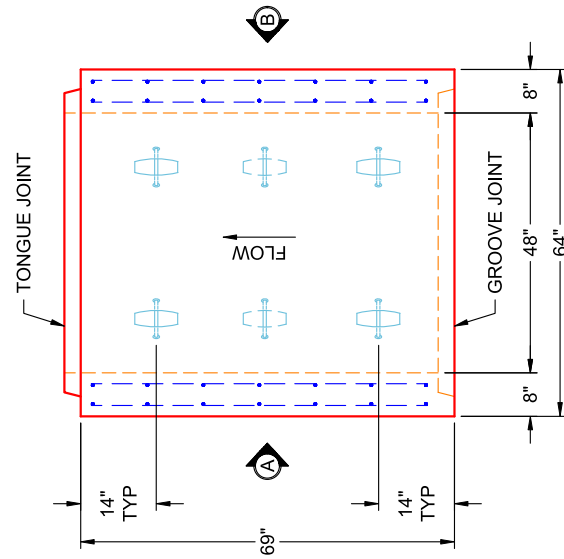
JOINT DETAIL (TYP) NTS



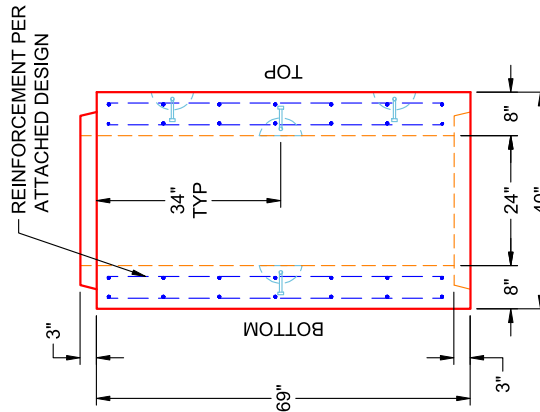
END VIEW TYPICAL



VIEW B PC 9 (UPRIGHT IN MOLD)



PLAN VIEW PC 9 (UPRIGHT IN MOLD)



VIEW A PC 9 (UPRIGHT IN MOLD)

GENERAL NOTES:

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

INFRASTRUCTURE PRECAST (ICAST)

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

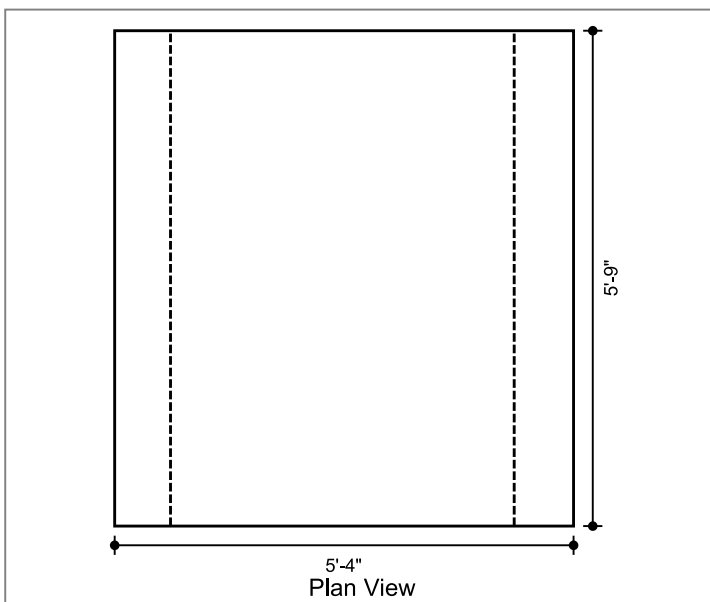
Project : Alcoa Outfall
 Task :
 Job No. : 25-2073

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

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

Physical Dimensions

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



Material Properties

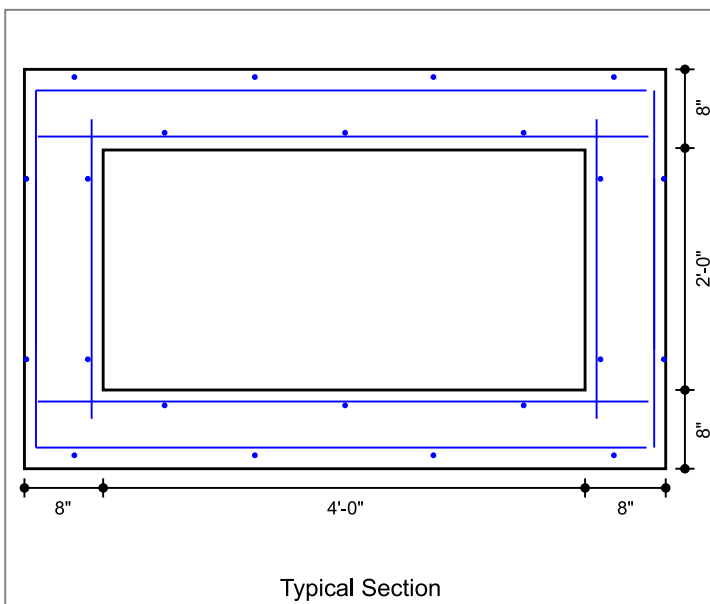
Concrete
 Strength, f_c: 5.000 ksi
 Density: 0.150 kcf
 Elasticity, E_c: 3834 ksi
 Type: Normal wt

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"
 Int. Cover Walls: 1"
 Int. Cover Top Slab: 1"
 Int. Cover Bottom Slab: 1"



Controlling Ratings

Inventory Rating: NaN
 Operating Rating: NaN

Loads

Live Load
 Vehicle Names: HL-93
 Traffic Direction: Parallel
 Eq. Height of Soil: Calculated

Dead Load
 Future Wearing Surface: 0.000 klf
 Additional Dead Load: 0.000 klf
 Concentrated Loads: none

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

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

INFRASTRUCTURE PRECAST (ICAST)

Sht _____ of _____

By: J. Horsley

Ck: _____

5/11/2026 4:10:17 PM

etc of 3

Project : Alcoa Outfall

Task :

Client: Bowen Engineering Co

Job No. : 25-2073

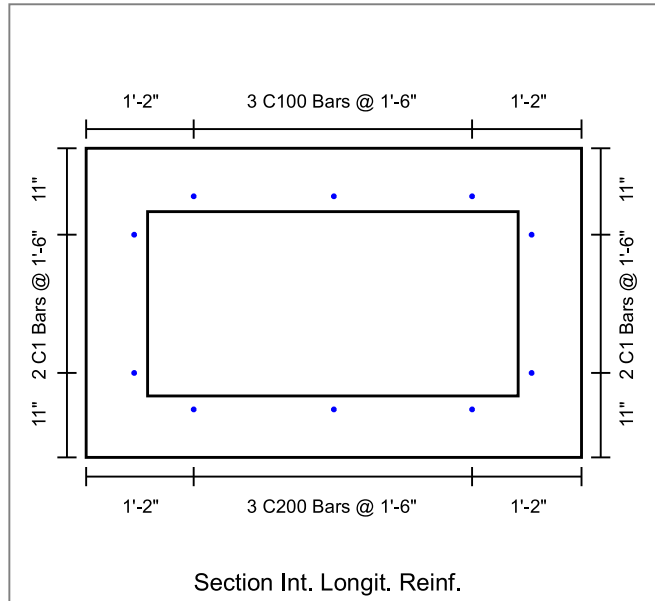
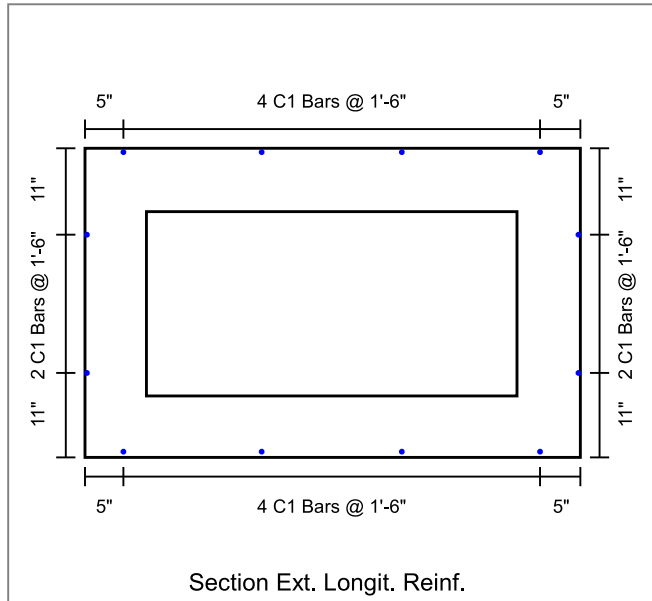
File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

Concrete Summary

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

Reinforcing Steel Bar Schedule (lb)

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



INFRASTRUCTURE PRECAST (ICAST)

Sht _____ of _____

By: J. Horsley

Ck: _____

5/11/2026 4:10:17 PM

Project : Alcoa Outfall

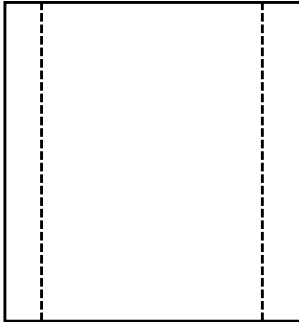
Client: Bowen Engineering Co

Task :

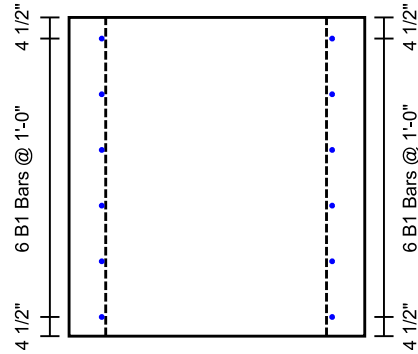
File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

Job No. : 25-2073

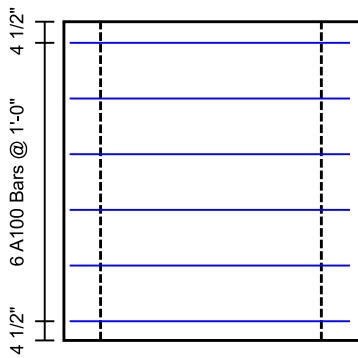
Sheet 3 of 3



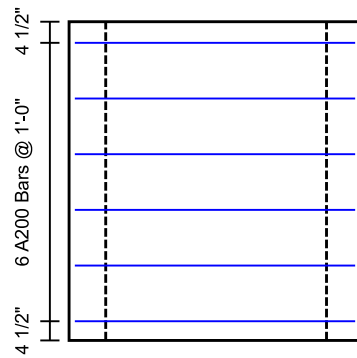
Ext. Wall Reinf.



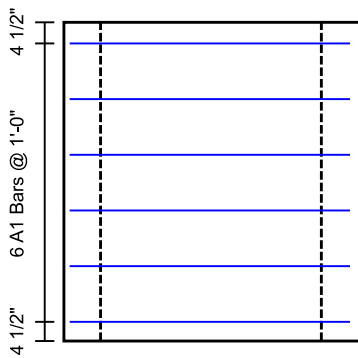
Int. Wall Reinf.



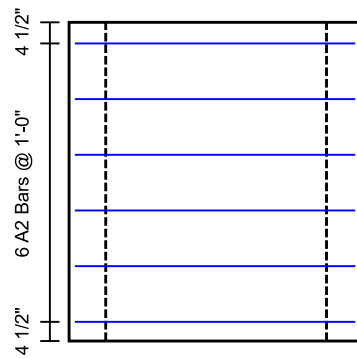
Top Slab Int. Reinf.



Bottom Slab Int. Reinf.



Top Slab Corner Reinf.



Bottom Slab Corner Reinf.

Structure ID: 141

P1 BX1818-06BA24

BOX BASE 6inW, 6inF T/n

- P3) 18" x 18" - CASTING HEIGHT - 4"
- P2) 18" x 18" - BOX RISER 6inW, Variable Ht F/G - 14"
- P1) 18" x 18" - BOX BASE 6inW, 6inF T/n - 24"
- 2) 18" x 18" - Conseal CS-102 1.00"
- 2) Hole - 18"

0 lb
 677 lb
 1421 lb
 0 lb
 0 lb

 Structure Total: 2098 lb

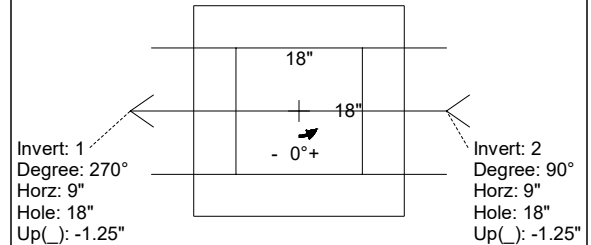
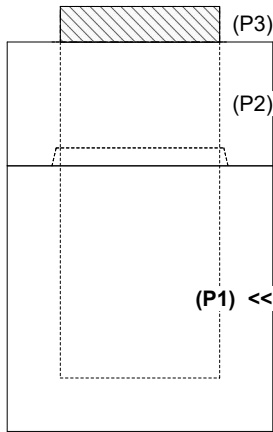
- Structure Notes:
1. PER MSD YARD DRAIN / ASTM C-913 SPECS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. NO STORM INVERT
 5. NO STEPS
 6. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS

Rim: 565.37' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

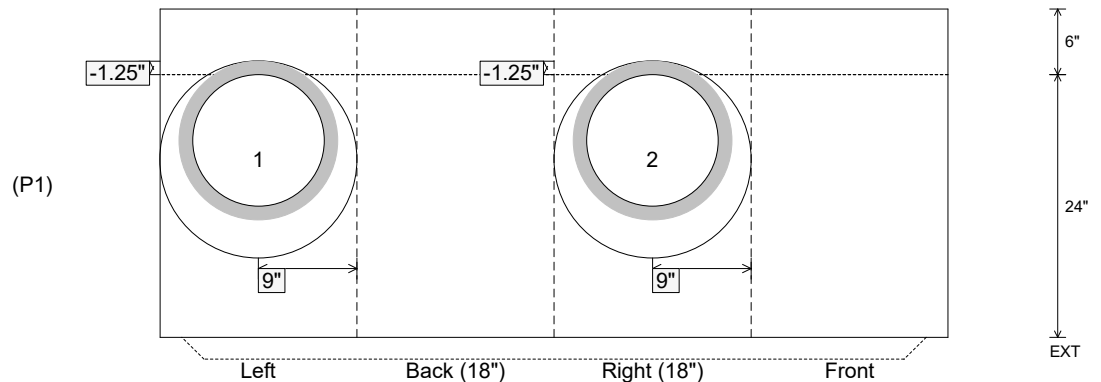
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	561.87'	270°	15"	12" HDPE	14.5"	Hole 18	18"	18"	-1.25"	0"
Invert 2	561.87'	90°	15"	12" HDPE	14.5"	Hole 18	18"	18"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



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

Plant: 100
 5/14/2026 8:16:33 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: OCS-B1

P2 BX363608R-VF

BOX RISER 8inW, Variable Ht F/G

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

0 lb
 1023 lb
 5005 lb
 5349 lb
 182 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

 11560 lb

Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 280T F/G-CAST-IN, FLANGE UP).

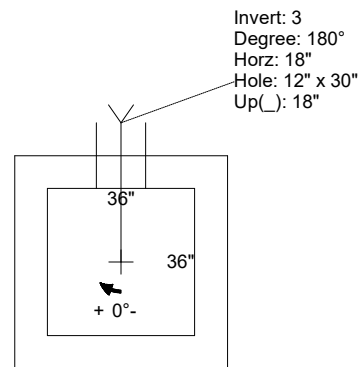
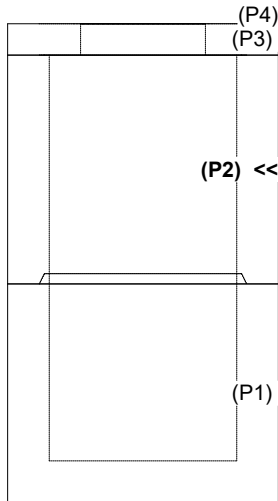
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Structure Total:

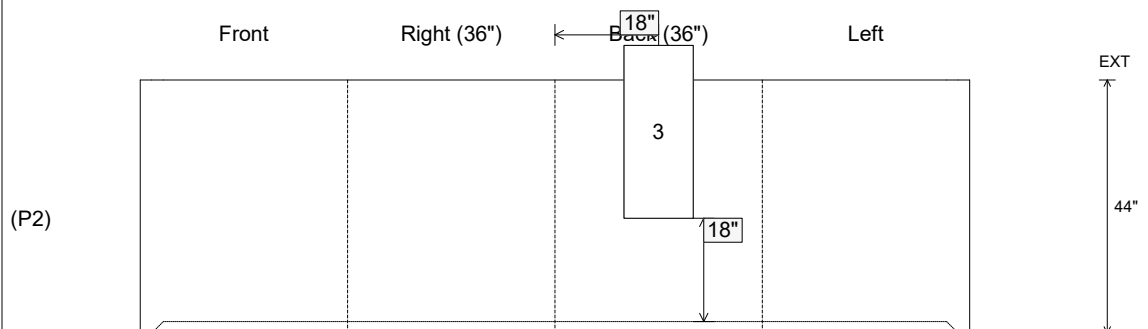
Rim: 881' Rim to Invert: 7' Slack: 0" Sump: 0" Step Position:

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 8"
 Floor Height: 0"

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

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

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

Plant: 100
 5/14/2026 1:08:58 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: CI-A6

P1 BX2436-08BVF

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

- P2) 24" x 36" - CASTING HEIGHT - 6"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 40"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 16

0 lb
 5343 lb
 442 lb
 0 lb
 0 lb

 0 lb
 Structure Total: 5785 lb

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

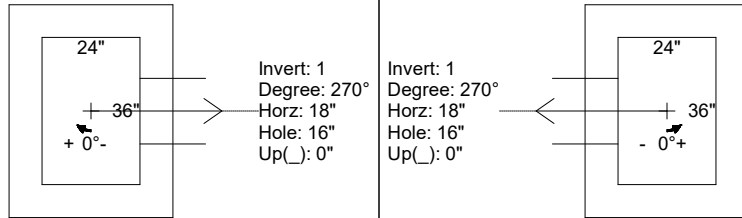
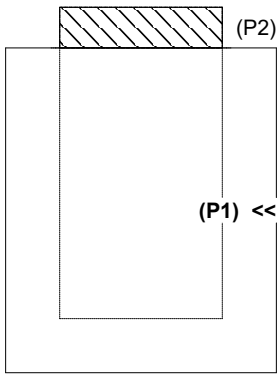
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 889.05' Rim to Invert: 3.89' Slack: 1.93' Sump: 1.25" Step Position:

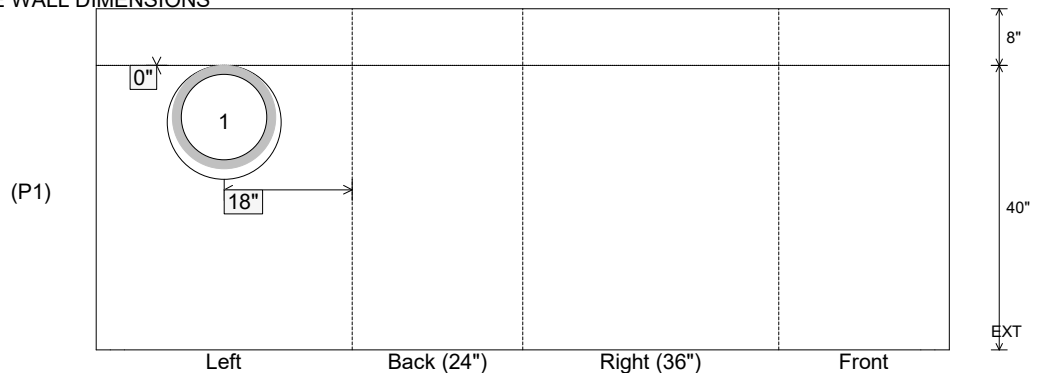
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	885.16'	270°	26"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

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

Weight (Net): 5343 lb
 Volume (Net): 1.36cu.yd

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

Plant: 100

Tech: Jared - F

5/14/2026 1:08:57 PM

PC: T. Lewis



Structure ID: CI-A4

P1 BX2436-08BVF

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

- P2) 24" x 36" - CASTING HEIGHT - 6"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 49"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 20
- 1) Hole - 16

0 lb
 6050 lb
 442 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 6492 lb

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

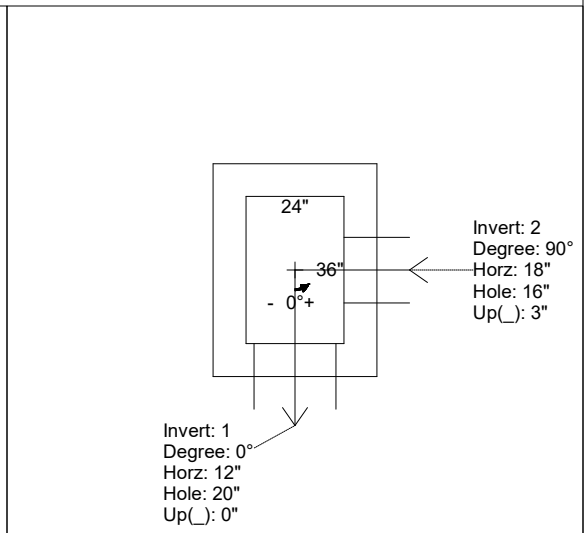
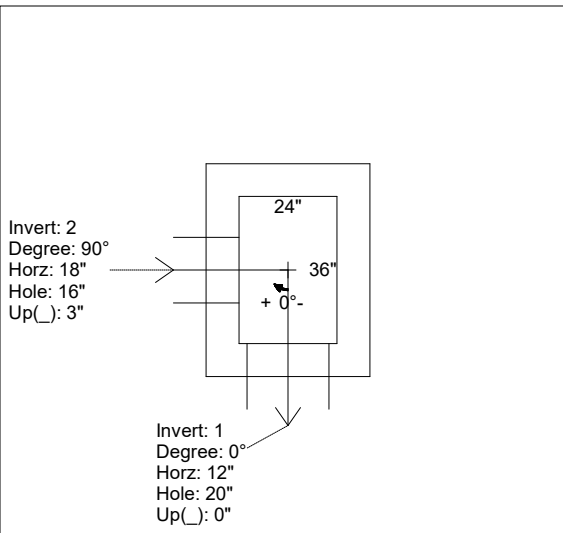
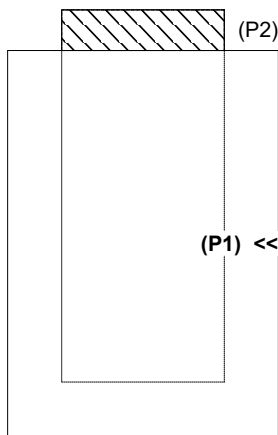
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 891.21' Rim to Invert: 4.59' Slack: 1.33' Sump: 1.25' Step Position:

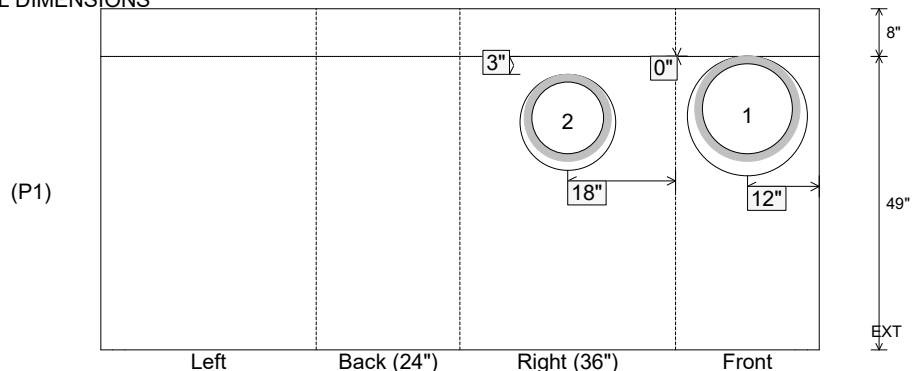
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	886.62'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2	886.87'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	3"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 49"
 Height (Ext): 57"

Weight (Net): 6050 lb
 Volume (Net): 1.54cu.yd

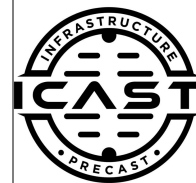
Job Name: 26-2008 - EVWR South Yard
 Job Location: Evansville, IN
 Contractor: Chastain Excavating

Plant: 100

Tech: Jared - A

5/18/2026 2:31:48 PM

PC: T. Lewis



Structure ID: QL1 ST-DCB

P1 BX28640606-VH

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

- P3) 24" x 24" - CASTING HEIGHT - 4"
- P2) 28" x 64" - BX FLAT LID 6inW w/24"x24" HOLE F/F - 6"
- P1) 28" x 64" - BOX BASE 6inW, 6inF, Variable Ht F/n - 36"
- 1) CASTING - HOE 280T F/G
- 1) 28" x 64" - Conseal CS-102 1.00"
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 29
- 2) Hole - 26

- Structure Notes:**
1. PER ASTM C-913 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. NO STORM INVERT
 5. NO STEPS
 6. HOE 280T FRAME & GRATE SUPPLIED BY ICAST
 7. INVERTS 2 & 3 OFFSET 17" FROM CENTER (34" CENTER-TO-CENTER)
 8. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 0° & 180° WALLS, MIN. 12" FROM TOP OF WALLS

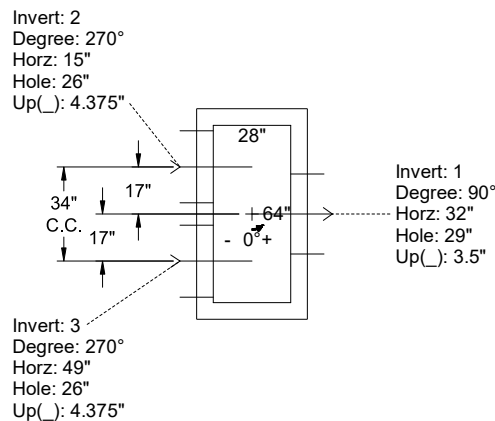
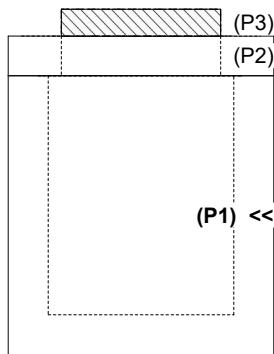
Structure Total: 5856 lb

Rim: 411.44' Rim to Invert: 3.53' Slack: 0.36" Sump: 4" Step Position:

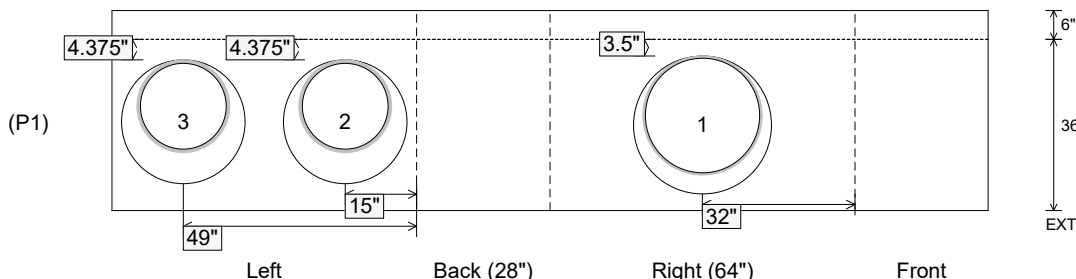
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	407.91'	90°	38"	24" CMP	25"	Hole 29	29"	29"	3.5"	0"
Invert 2	408'	270°	21"	18" DI	19.5"	Hole 26	26"	26"	4.375"	-17"
Invert 3	408'	270°	55"	18" DI	19.5"	Hole 26	26"	26"	4.375"	17"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

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

Weight (Net): 4433 lb
Volume (Net): 1.13cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/17/2025 5:01:41 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: G

P1 BX28280606VH

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

P2) 28" x 28" - CASTING HEIGHT - 6"	0 lb
P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 37"	2789 lb
1) Conseal CS-102 1.00" (Single)	0 lb
1) CASTING - JBS 3080-V SET (F/G/H)	500 lb
1) 28" x 28" - Conseal CS-102 1.00"	0 lb
2) Hole - 24	0 lb
Structure Total:	3289 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 I-CAST (JBS 3080-V SET (F/G/H)).

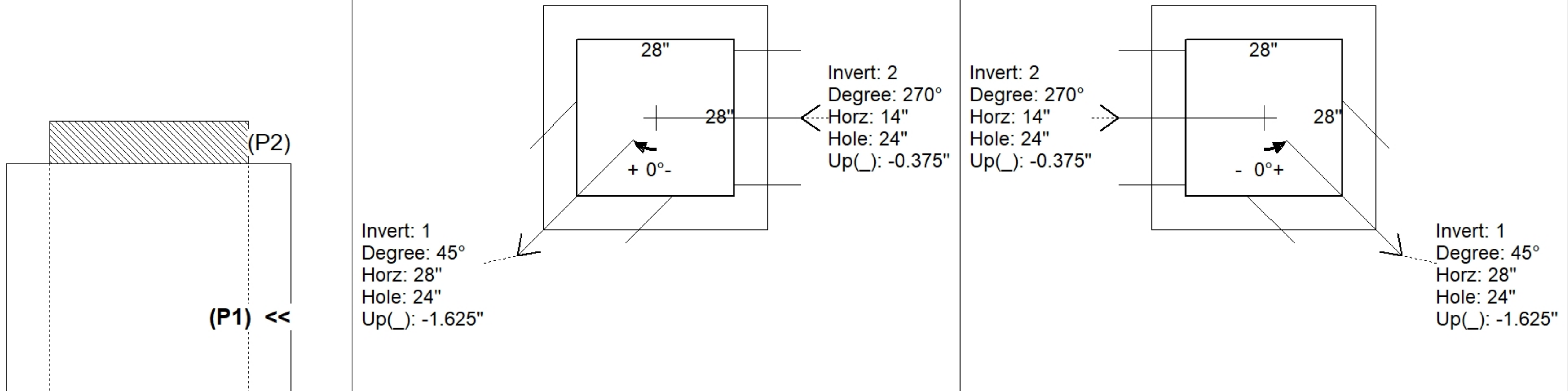
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 517.69' Rim to Invert: 3.65' Slack: 0.8" Sump: 0" Step Position:

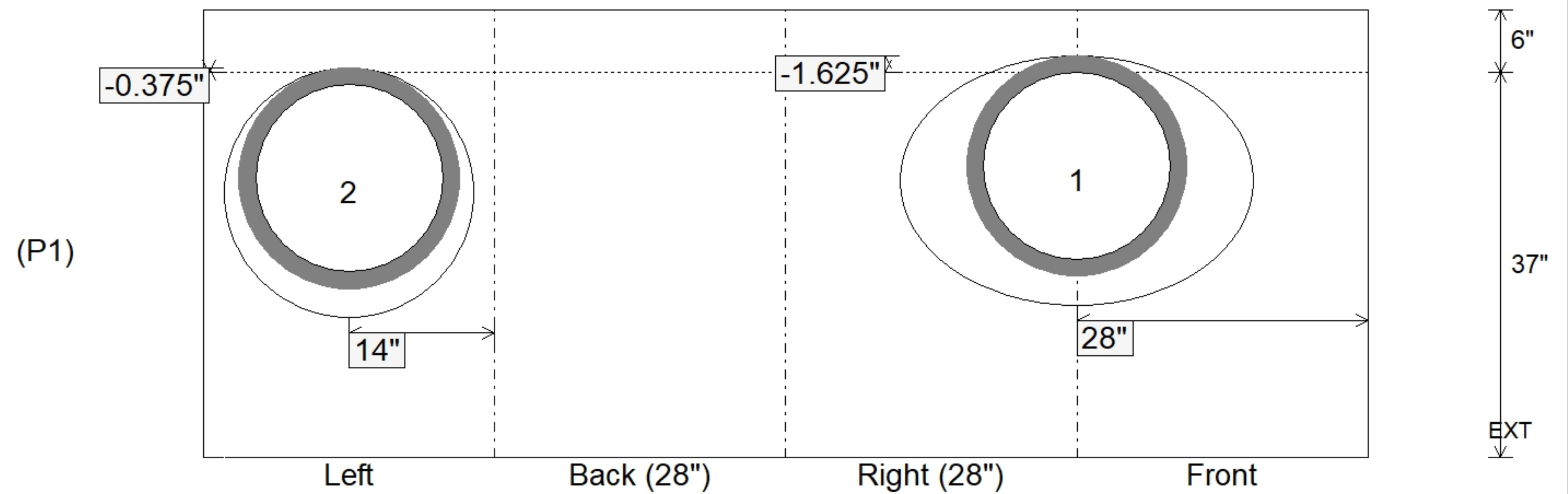
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	514.04'	45°	40"	18" HDPE	21.2"	Hole 24	24"	16.971", 16.971"	-1.625"	0"
Invert 2	514.14'	270°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-0.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Int): 37"	Weight (Net): 2789 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 43"	Volume (Net): 0.71cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/17/2025 5:01:36 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: E

P1 BX28280606VH

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

P2) 28" x 28" - CASTING HEIGHT - 6"	0 lb
P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 39"	2997 lb
1) Conseal CS-102 1.00" (Single)	0 lb
1) CASTING - JBS 3080-V SET (F/G/H)	500 lb
2) Hole - 24"	0 lb
Structure Total:	3497 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 I-CAST (JBS 3080-V SET (F/G/H)).

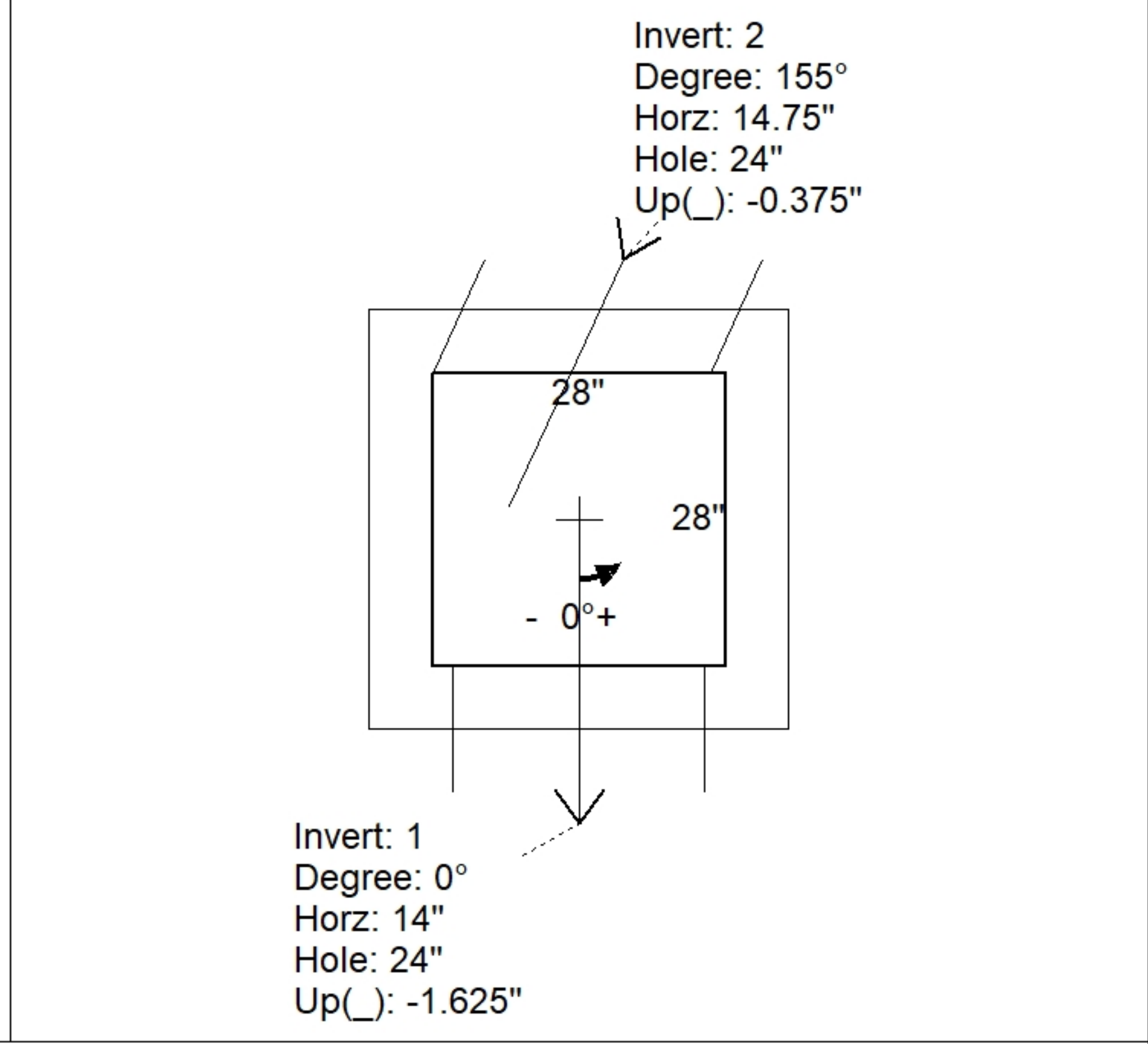
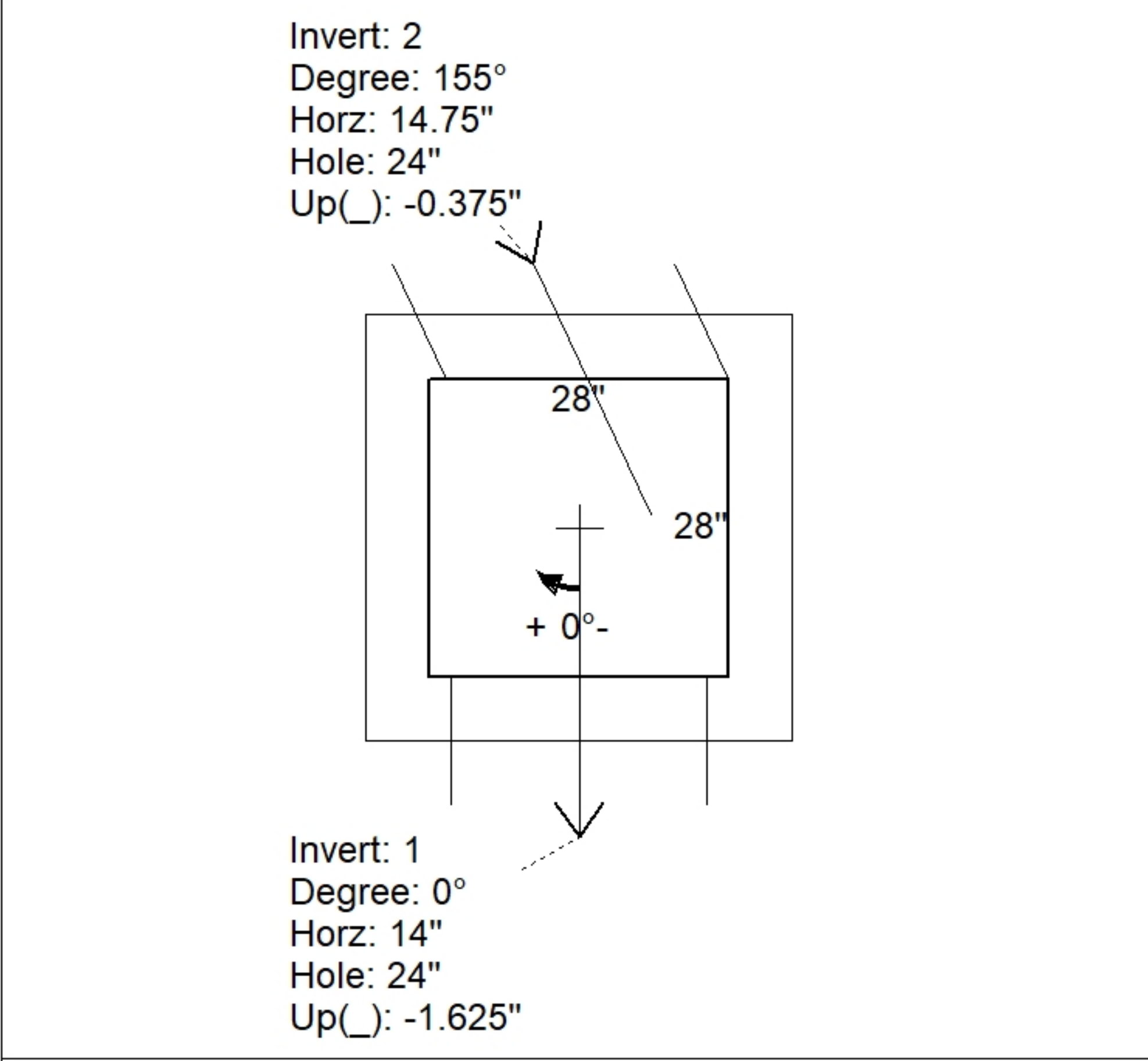
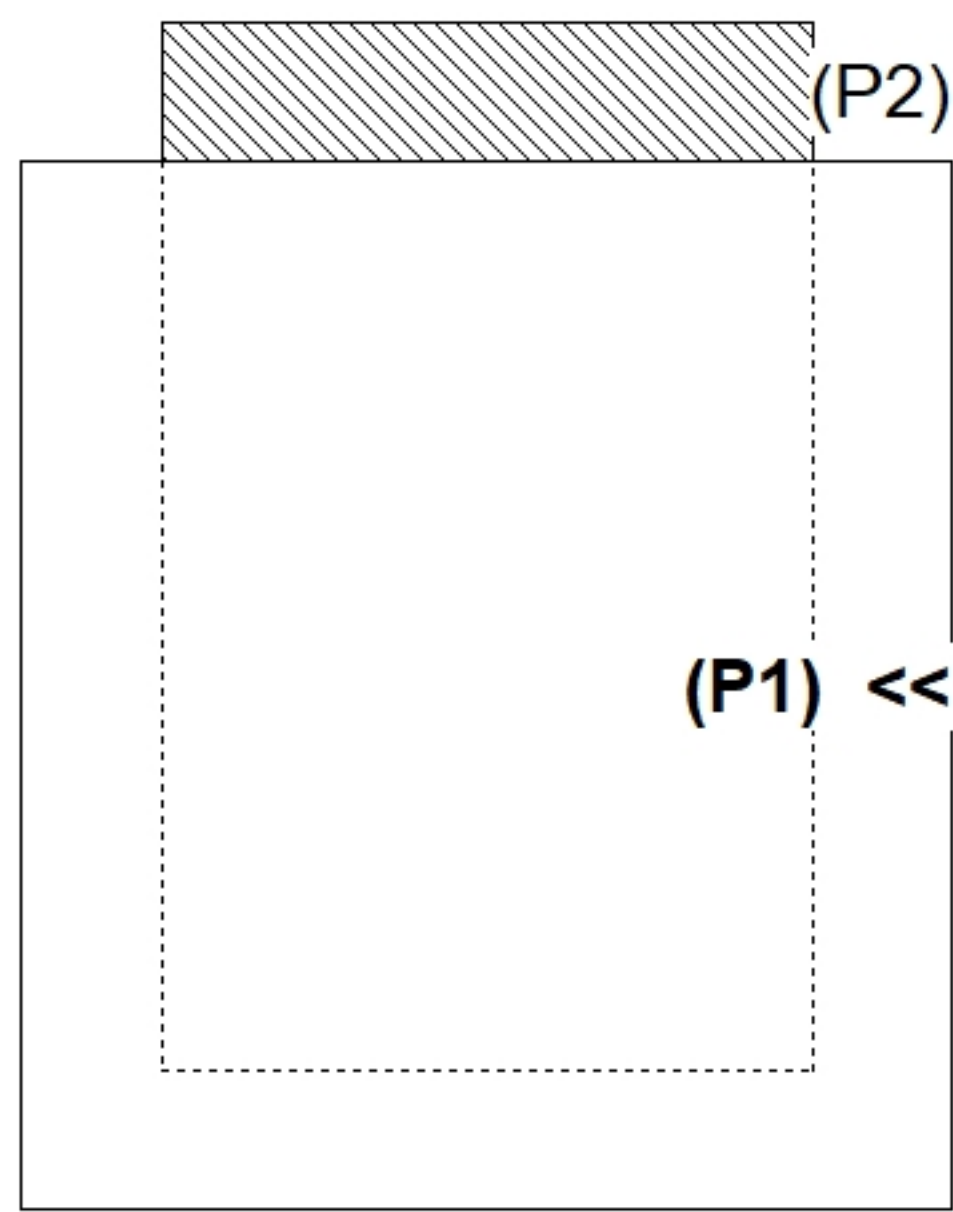
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 527.95' Rim to Invert: 3.83' Slack: 0.96" Sump: 0" Step Position:

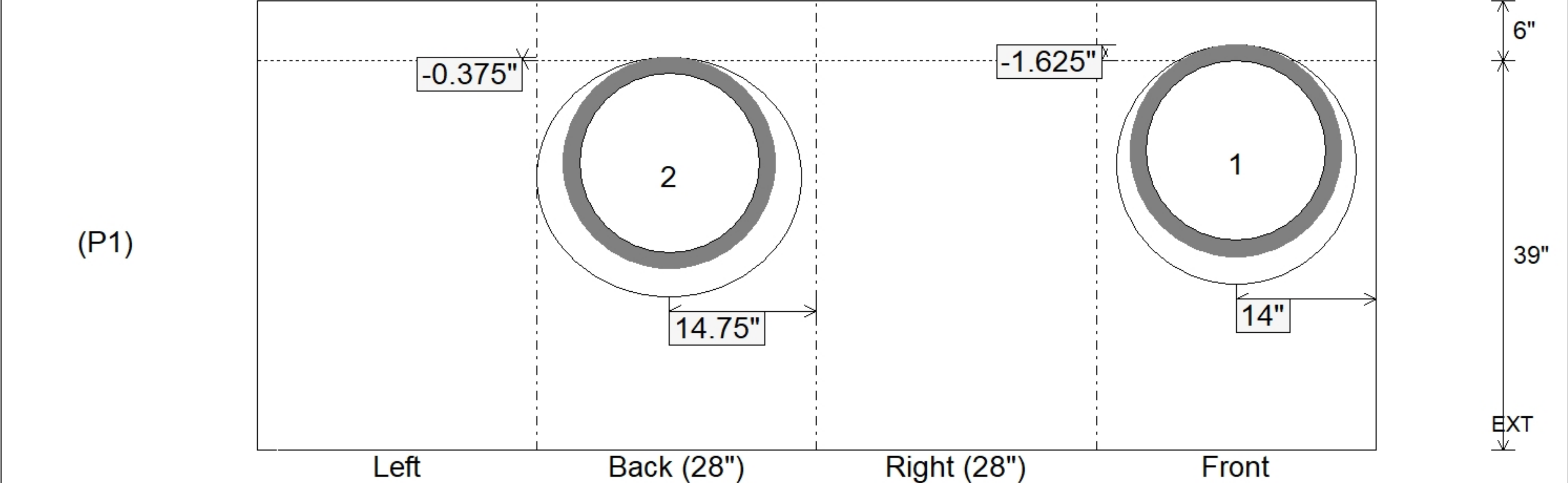
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	524.12'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2	524.22'	155°	18"	18" HDPE	21.2"	Hole 24	24"	26.481"	-0.375"	6.601"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Int): 39"	Weight (Net): 2997 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 45"	Volume (Net): 0.76cu.yd

Job Name: 25-4299 - Seneca High School	Plant: 100	Tech: J. Horsley	
Job Location: Louisville, KY	2/13/2026 10:04:58 AM	PC: J. Jarvis	
Contractor: Dan Cristiani Excavating Co. Inc.			

Structure ID: A23

P1 BX2436-08BVF

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

P2) 24" x 36" - CASTING HEIGHT - 6"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 20"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 16

0 lb
3167 lb
0 lb
0 lb

Structure Total: 3167 lb

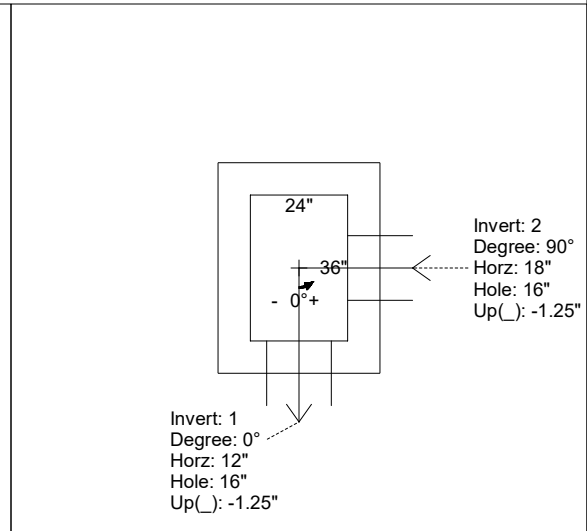
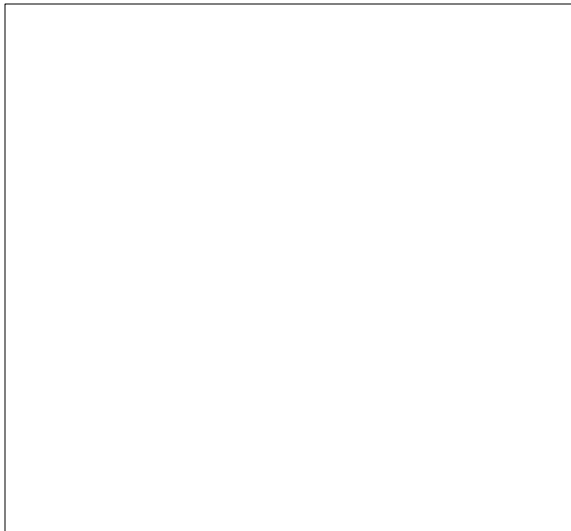
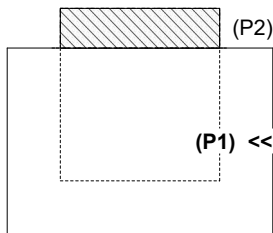
- Structure Notes:
1. PER LOUISVILLE MSD / ASTM C-913 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. NO STORM INVERT
 5. NO STEPS
 6. HOE 470 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS

Rim: 484.9' Rim to Invert: 2.2' Slack: 0.4" Sump: 0" Step Position:

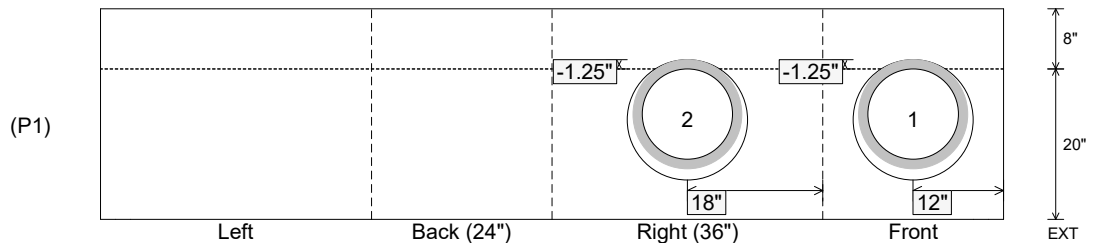
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	482.7'	0°	20"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 2	482.7'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

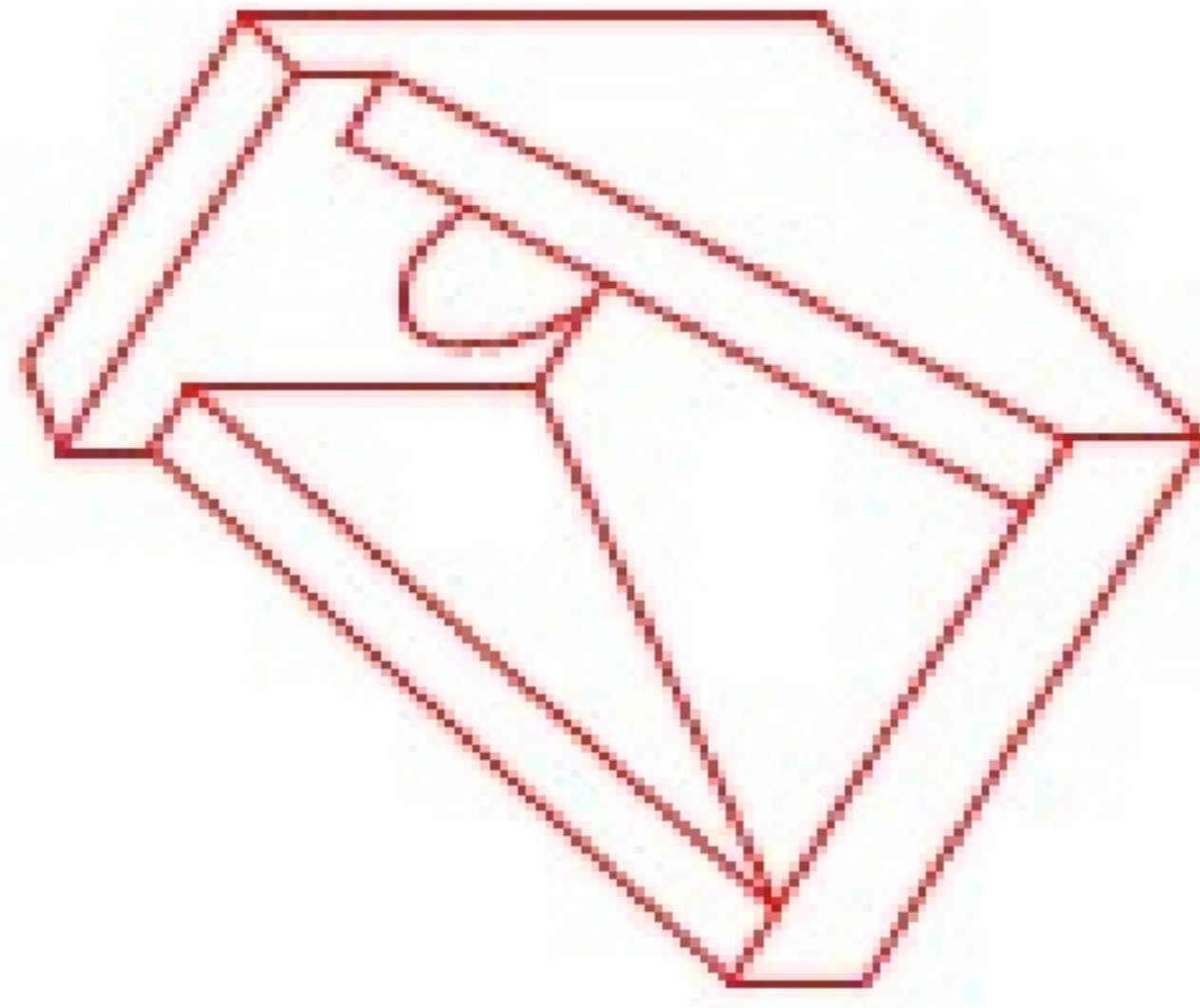
Weight (Net): 3167 lb
Volume (Net): 0.81cu.yd

Structure ID: L

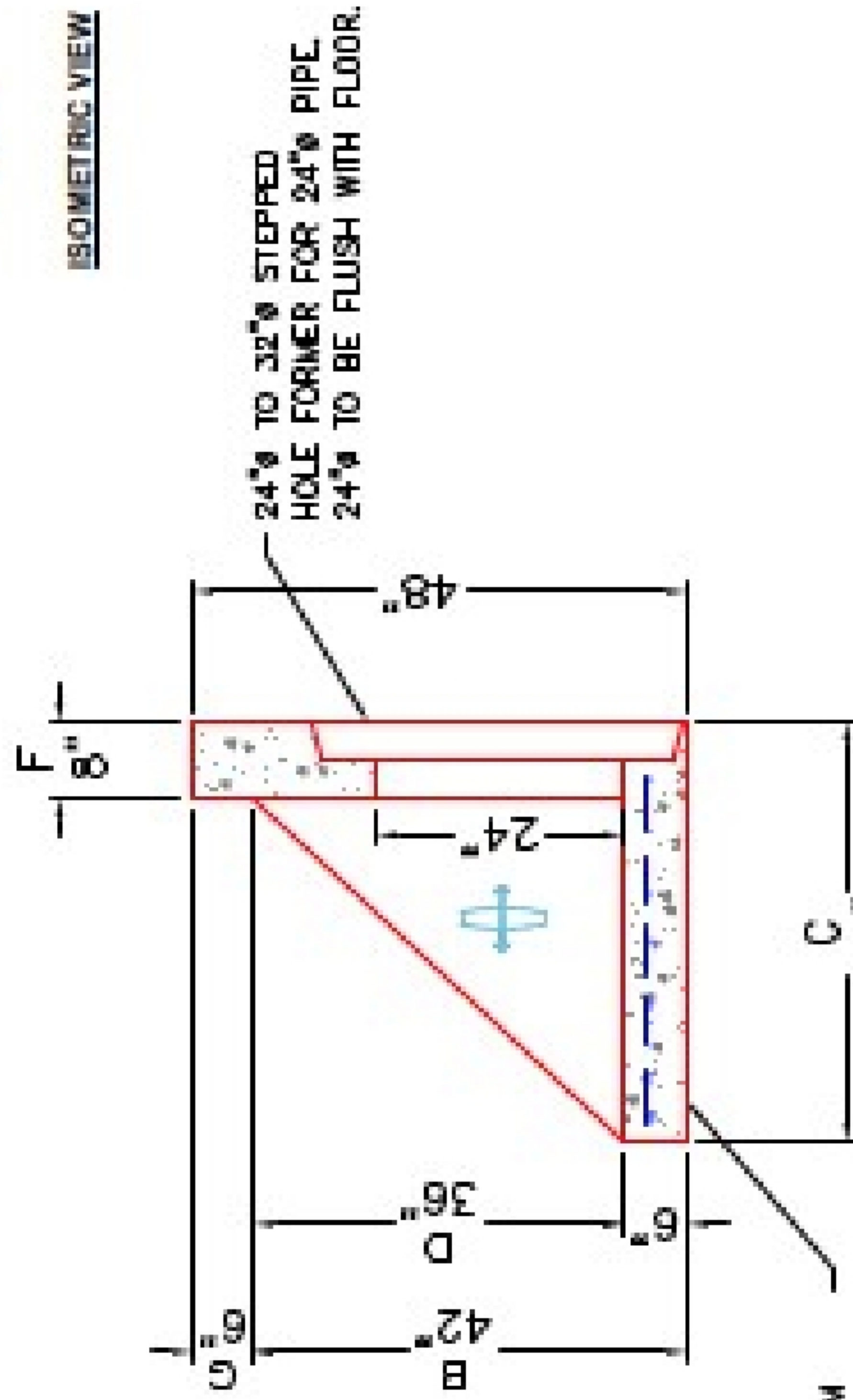
P1 HWBW24F

24" - HW BW w/FLAT BOTTOM F/F

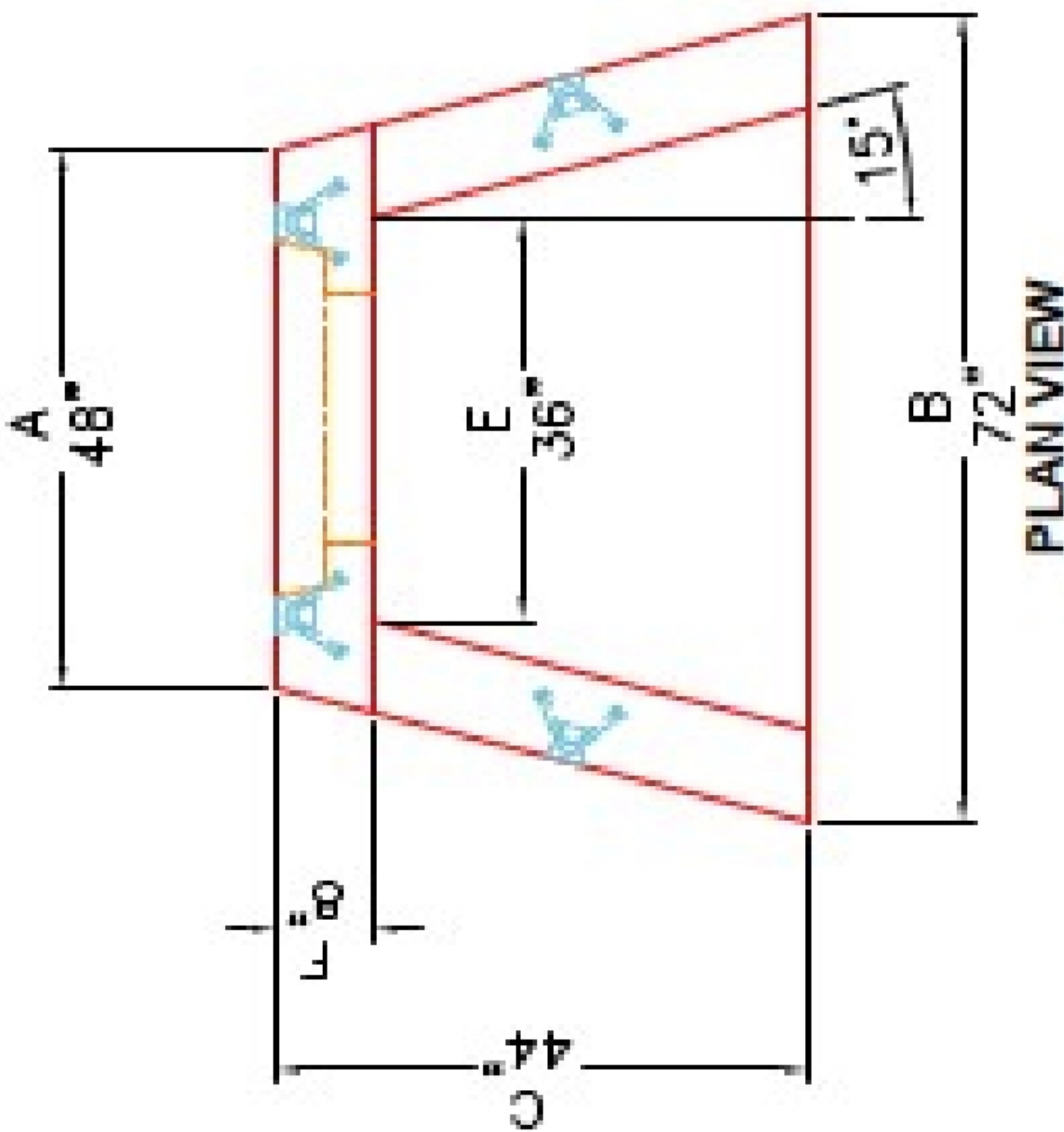
DIMENSIONS & QUANTITIES									
TYPE	PIPE Ø	A	B	C	D	E	F	G	WEIGHT
BW	24"	4'-0"	6'-0"	3'-8"	3'-0"	3'-0"	8"	8"	3,100 LBS.



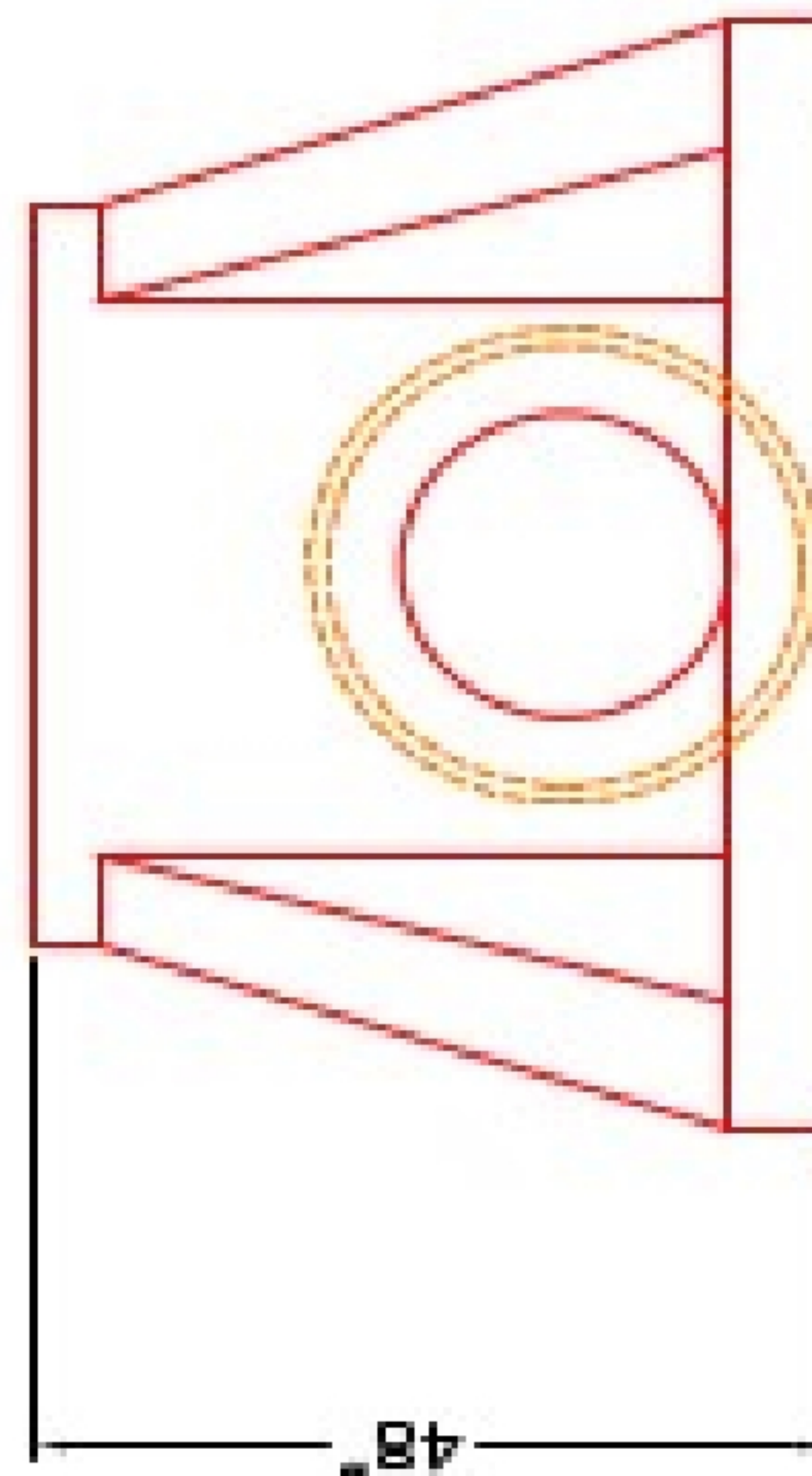
ISOMETRIC VIEW



SECTION A-A



PLAN VIEW



FRONT ELEVATION

NOTES:

1. CONCRETE: 4500 PSI AT 28 DAYS MIN. STRENGTH.
2. REINFORCING: #4 BAR @ 12" C/C E.W.-GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.

PRODUCTION WORK ORDER

PRODUCT I.D.: HWBW24F	DESCRIPTION: 24in BW HEADWALL FLAT BOTTOM
PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: STOCK
PLANT: BEAVER DAM, KY.	PROJECT: T.B.D.
WEIGHT: 3,475 LBS.	STRUCTURE ID.: T.B.D.
TOP SECTION JOINT: N/A	SALES ORDER NO: STOCK
BASE SECTION JOINT: N/A	CHECK: B. SMITH
QC CHECK INITIALS:	DRAWING: J. HORSLEY
	DATE: 06/04/24
	SCALE: NTS
	PG. 1 of 1

QUALITY CONTROL CHECKLIST

- ALL DIMENSIONS CORRECT.
- LIFTERS INSTALLED.
- STEPPED HF CORRECT SIZE.
- REINFORCING CORRECT.
- CLEARANCE ON REINFORCING CORRECT.
- EDGES CHAMFERED.
- ALL PATCHWORK ACCEPTABLE.



Structure ID: F

P1 HWA18F

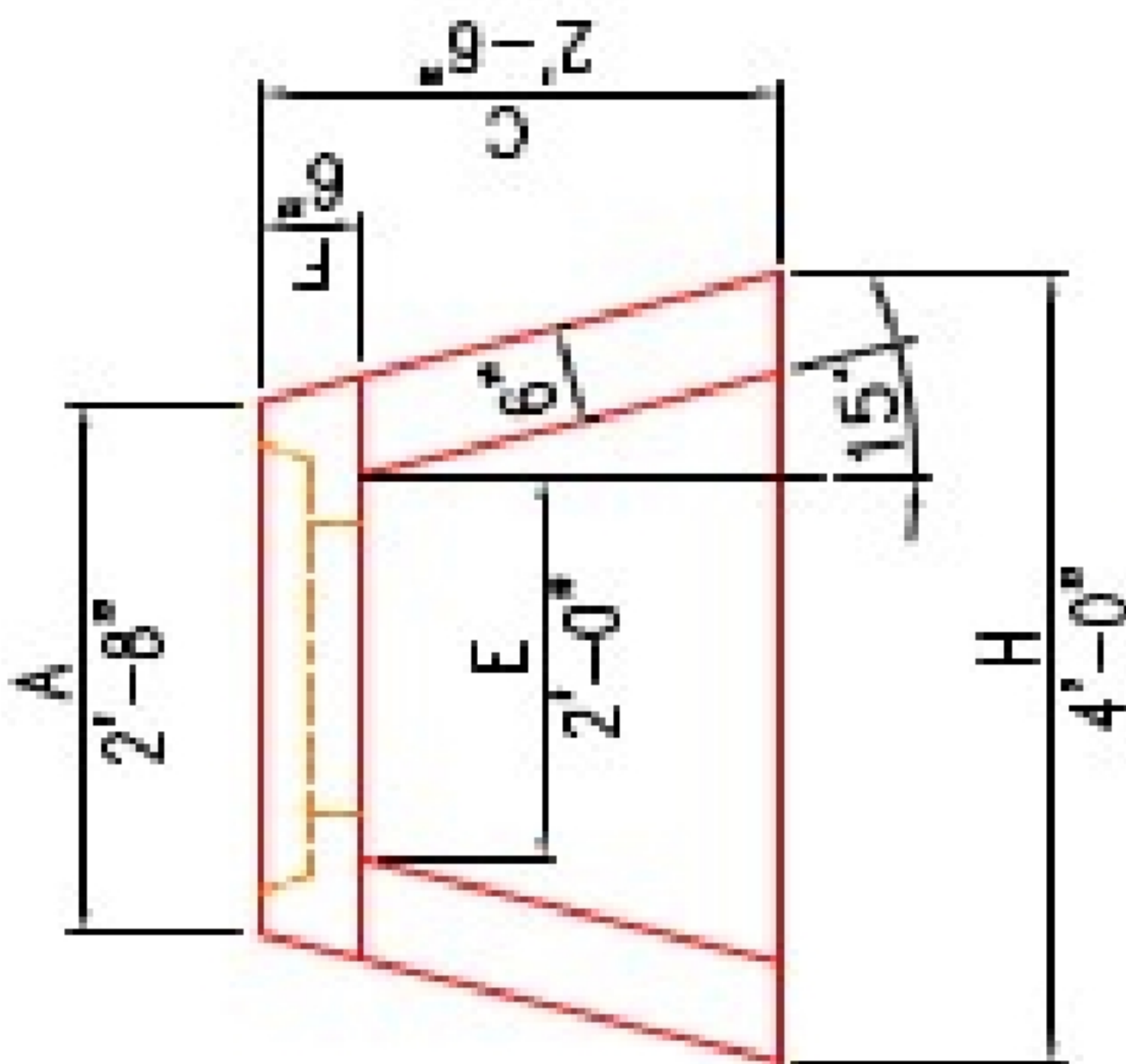
18" - HW AW w/FLAT BOTTOM F/F

DIMENSIONS & QUANTITIES

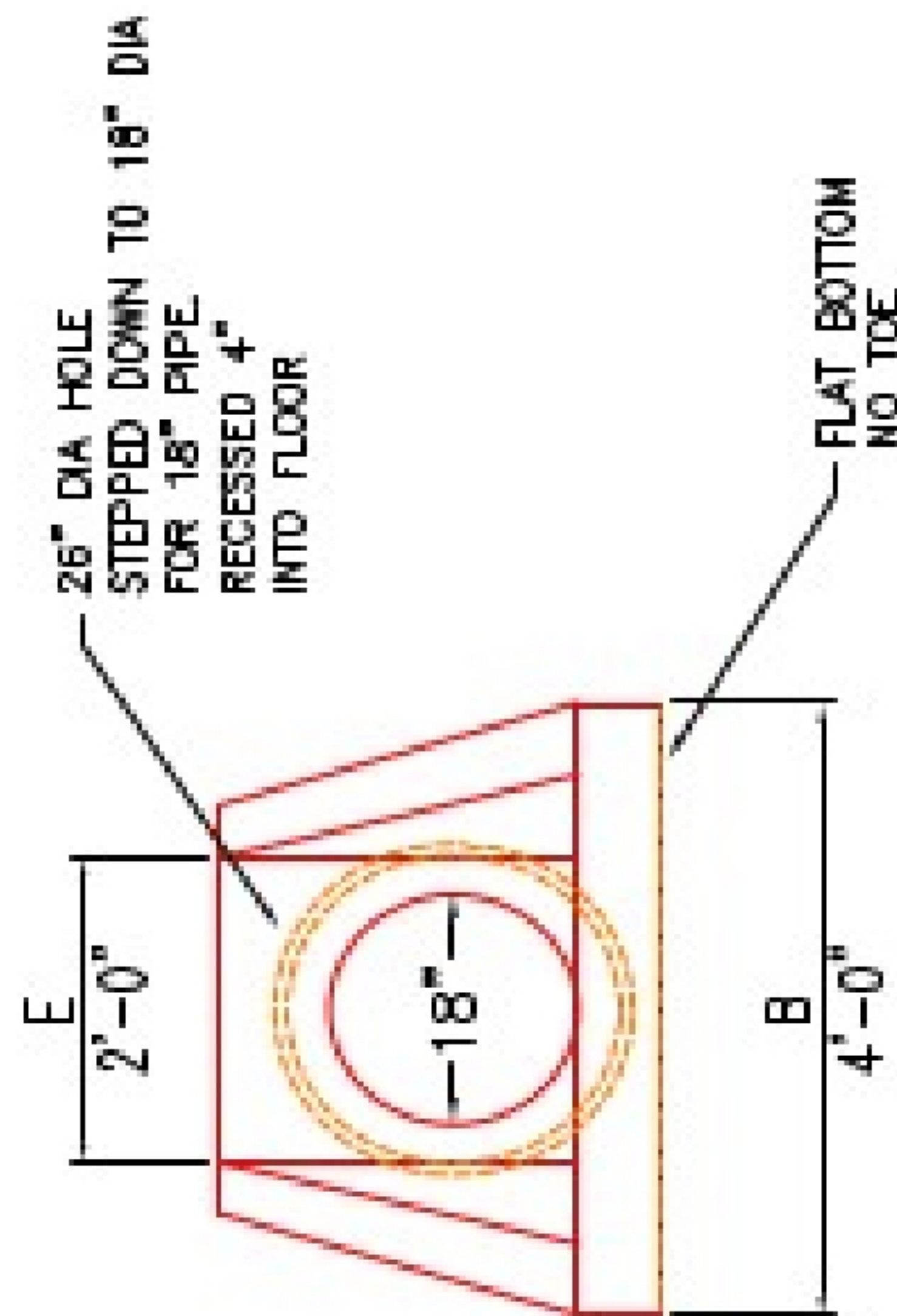
TYPE	PIPE Ø	A	B	C	D	E	F	G	H	WEIGHT W/TOE	WEIGHT
AW	18"	2'-8"	2'-8"	2'-6"	2'-2"	2'-0"	6"	0"	4'-0"	1,830 LBS.	1,380 LBS.

NOTES:

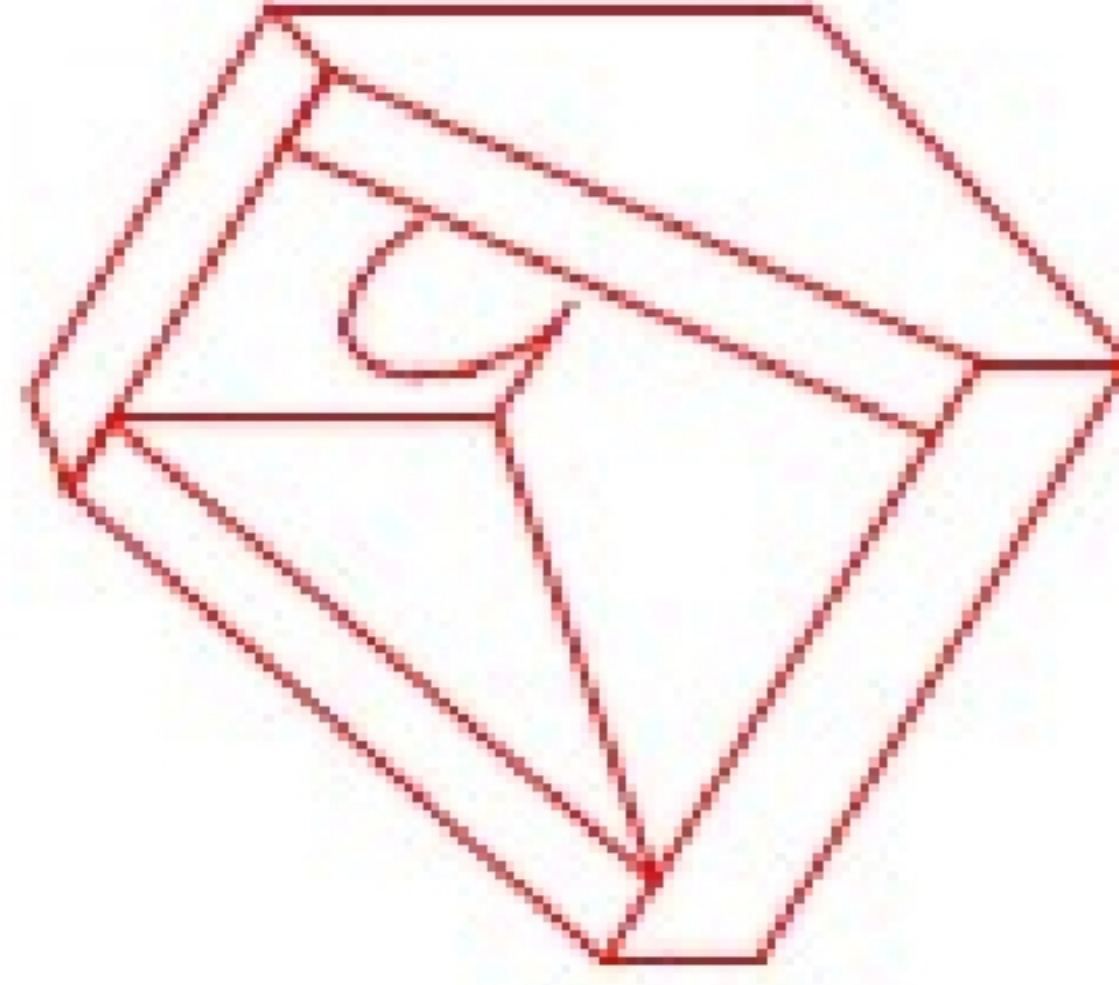
1. CONCRETE: 4500 PSI AT 28 DAYS MINIMUM COMPRESSIVE STRENGTH.
2. REINFORCING: #4 BAR @ 12" C/C E.W.-GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH NON-SHRINK GROUT AFTER SETTING.
5. PREFORMED STEPPED HOLE SIZED AS PER O.D. OF PIPE + 3" - 4".
6. OPTIONAL FOOTING (TOE) AVAILABLE FOR ALL SIZES.



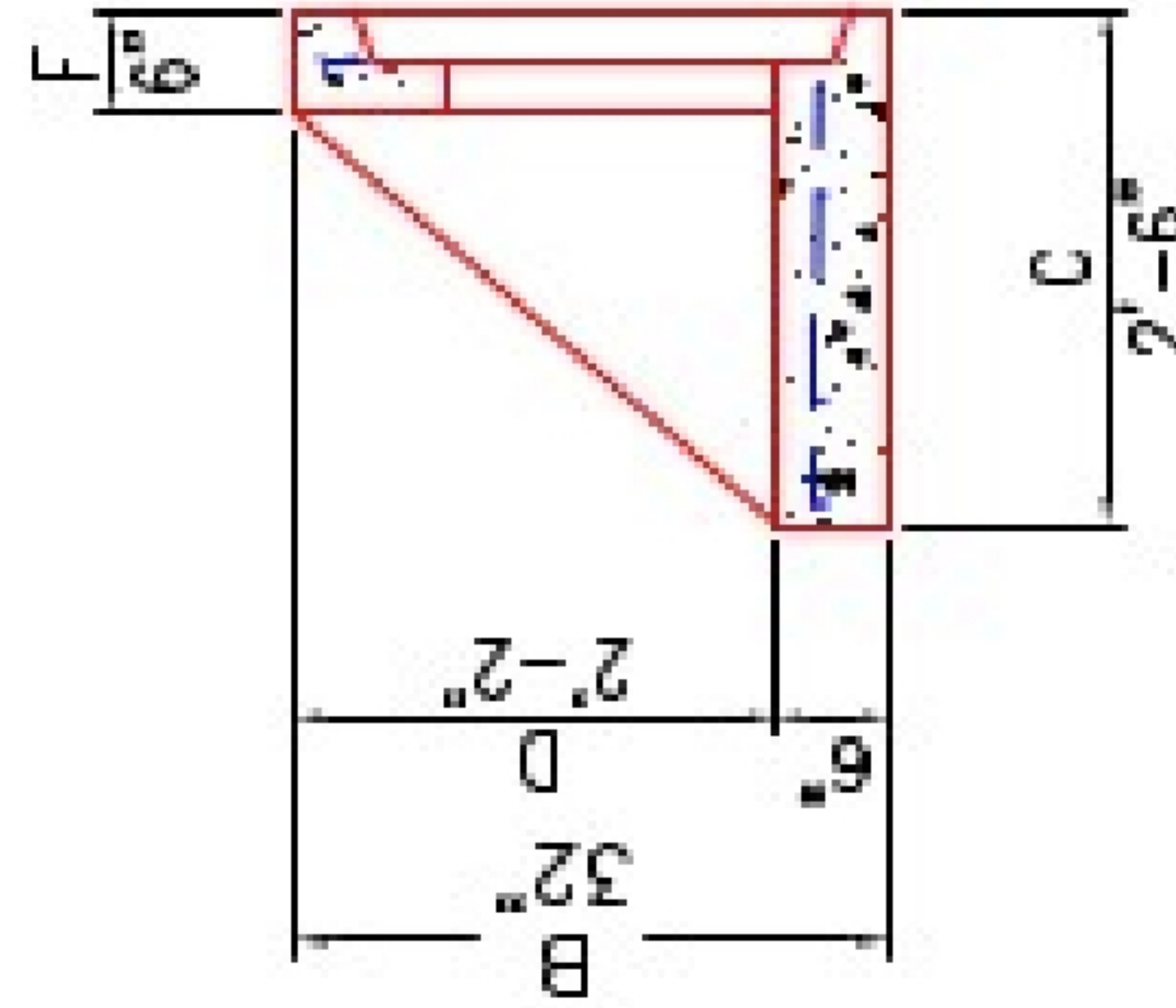
PLAN VIEW



FRONT ELEVATION



ISOMETRIC VIEW



SECTION A-A

PRODUCTION WORK ORDER

QUALITY CONTROL CHECKLIST

- ALL DIMENSIONS CORRECT.
- LIFTERS INSTALLED.
- STEPPED HF CORRECT SIZE.
- REINFORCING CORRECT.
- CLEARANCE ON REINFORCING CORRECT.
- EDGES CHAMFERED.
- ALL PATCHWORK ACCEPTABLE.



DESCRIPTION: 18in AW WINGED HEADWALL, FLAT

CUSTOMER: STOOK

PROJECT: STOOK

STRUCTURE ID.: T.B.D.

SALES ORDER NO: T.B.D.

PC: B. KELLY DRAWING: J. HORSLEY

DATE: 10/30/23 SCALE: NTS PG. 1 of 1

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:13:02 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: M

P1 BX28108-06W06F-BAVF

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

- P2) 28" x 108" - CASTING HEIGHT (CI TRPL) - 6"
- P1) 28" x 108" - BOX BASE 6inW, 6inF, Variable Ht F/n - 36"
- 1) Conseal CS-102 1.00" (Single)
- 3) CASTING - JBS 3080-V SET (F/G/H)
- 1) Hole - 24

0 lb
7519 lb
0 lb
1500 lb
0 lb

9019 lb

Structure Total:

- 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 I-CAST (3 ea. - JBS 3080-V SET (F/G/H)).

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

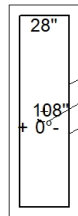
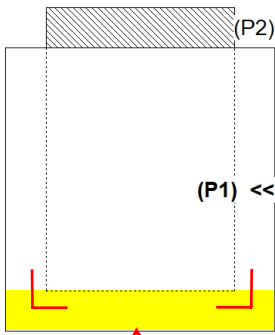
Rim: 510.79' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	507.29'	240°	55.375"	18" HDPE	21.2"	Hole 24	24"	27.713"	-1.625"	6"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

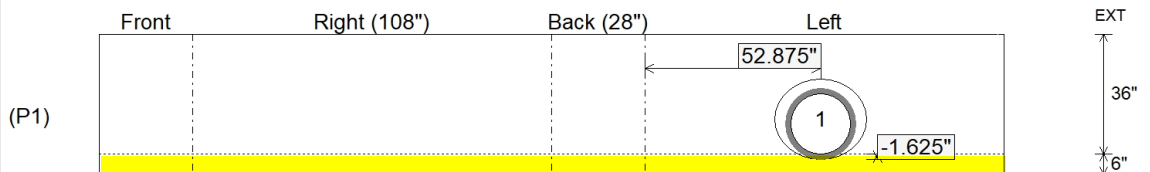
UPSIDE-DOWN VIEW (int. dimenions)

1ST POUR (FLOOR) = 2,417 LBS
2ND POUR (WALLS) = 5,088 LBS



Invert: 1
Degree: 240°
Horz: 52.875"
Hole: 24"
Up(↓): -1.625"

INSIDE WALL DIMENSIONS



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

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 7519 lb Volume (Net): 1.92cu.yd
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Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:13:02 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: M

P1A BX28108-06W06F-BAVF

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

- P2) 28" x 108" - CASTING HEIGHT (CI TRPL) - 6"
- P1) 28" x 108" - BOX BASE 6inW, 6inF, Variable Ht F/n - 36"
- 1) Conseal CS-102 1.00" (Single)
- 3) CASTING - JBS 3080-V SET (F/G/H)
- 1) Hole - 24

0 lb
7519 lb
0 lb
1500 lb
0 lb

Structure Total: 9019 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 I-CAST (3 ea. - JBS 3080-V SET (F/G/H)).

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

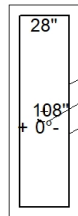
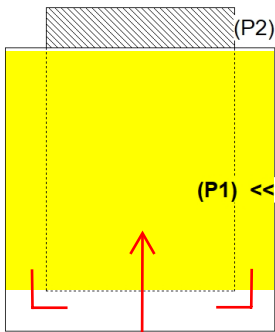
Rim: 510.79' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	507.29'	240°	55.375"	18" HDPE	21.2"	Hole 24	24"	27.713"	-1.625"	6"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

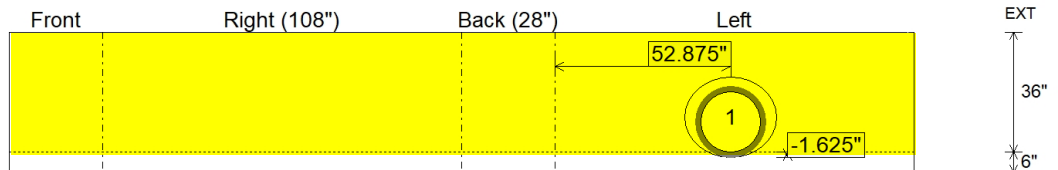
UPSIDE-DOWN VIEW (int. dimenions)

1ST POUR (FLOOR) = 2,417 LBS
 2ND POUR (WALLS) = 5,088 LBS



Invert: 1
 Degree: 240°
 Horz: 52.875"
 Hole: 24"
 Up(↓): -1.625"

INSIDE WALL DIMENSIONS



2ND POUR (WALLS)

(P1)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 7519 lb Volume (Net): 1.92cu.yd
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Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:10:35 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: H

P1 BX28108-06W06F-BAVF

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

- P2) 28" x 108" - CASTING HEIGHT (CI TRPL) - 6"
- P1) 28" x 108" - BOX BASE 6inW, 6inF, Variable Ht F/n - 43"
- 1) Conseal CS-102 1.00" (Single)
- 3) CASTING - JBS 3080-V SET (F/G/H)
- 1) Hole - 30
- 1) Hole - 24

	0 lb
	8236 lb
	0 lb
	1500 lb
	0 lb
	0 lb
Structure Total:	9736 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 I-CAST (3 ea. - JBS 3080-V SET (F/G/H)).

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

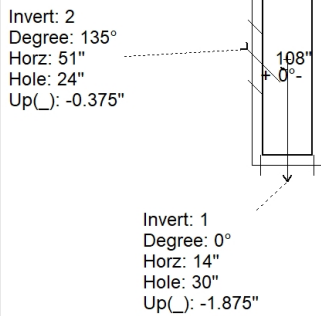
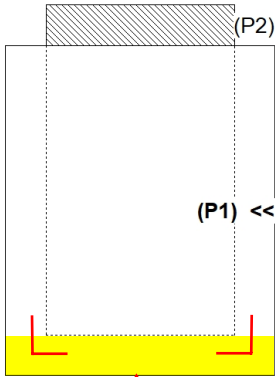
Rim: 517.14' Rim to Invert: 4.1' Slack: 0.2" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	513.04'	0°	20"	24" HDPE	27.8"	Hole 30	30"	29"	-1.875"	0"
Invert 2	513.14'	135°	63"	18" HDPE	21.2"	Hole 24	24"	33.941"	-0.375"	-12"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

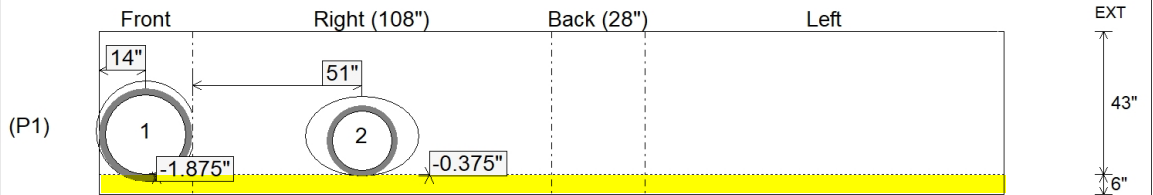
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

1ST POUR (FLOOR) = 2,417 LBS
 2ND POUR (WALLS) = 5,805 LBS



INSIDE WALL DIMENSIONS



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

Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Int): 43"	Weight (Net): 8236 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 49"	Volume (Net): 2.1cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:10:35 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: H

P1A BX28108-06W06F-BAVF

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

- P2) 28" x 108" - CASTING HEIGHT (CI TRPL) - 6"
- P1) 28" x 108" - BOX BASE 6inW, 6inF, Variable Ht F/n - 43"
- 1) Conseal CS-102 1.00" (Single)
- 3) CASTING - JBS 3080-V SET (F/G/H)
- 1) Hole - 30
- 1) Hole - 24

	0 lb
	8236 lb
	0 lb
	1500 lb
	0 lb
	0 lb
Structure Total:	9736 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 I-CAST (3 ea. - JBS 3080-V SET (F/G/H)).

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

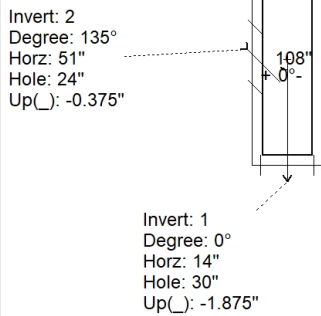
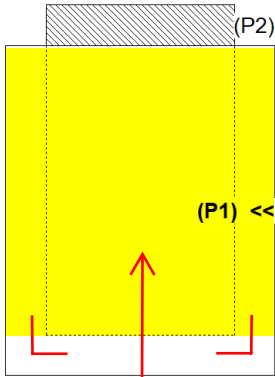
Rim: 517.14' Rim to Invert: 4.1' Slack: 0.2' Sump: 0' Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	513.04'	0°	20"	24" HDPE	27.8"	Hole 30	30"	29"	-1.875"	0"
Invert 2	513.14'	135°	63"	18" HDPE	21.2"	Hole 24	24"	33.941"	-0.375"	-12"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

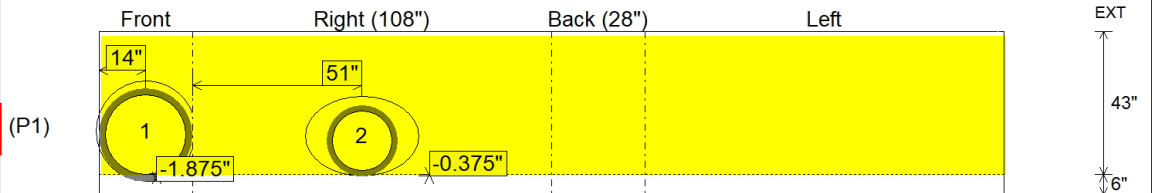
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

1ST POUR (FLOOR) = 2,417 LBS
 2ND POUR (WALLS) = 5,805 LBS



INSIDE WALL DIMENSIONS



2ND POUR (WALLS)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 43" Height (Ext): 49"	Weight (Net): 8236 lb Volume (Net): 2.1cu.yd
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Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:11:39 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: J

P1 BX2864-06BA36

BOX BASE 6inW, 6inF F/n

- P2) 28" x 64" - CASTING HEIGHT - 6"
- P1) 28" x 64" - BOX BASE 6inW, 6inF F/n - 36"
- 1) Conseal CS-102 1.00" (Single)
- 2) CASTING - JBS 3080-V SET (F/G/H)
- 1) Hole - 24

Structure Total: 6073 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 I-CAST (2 ea. - JBS 3080-V SET(F/G/H)).

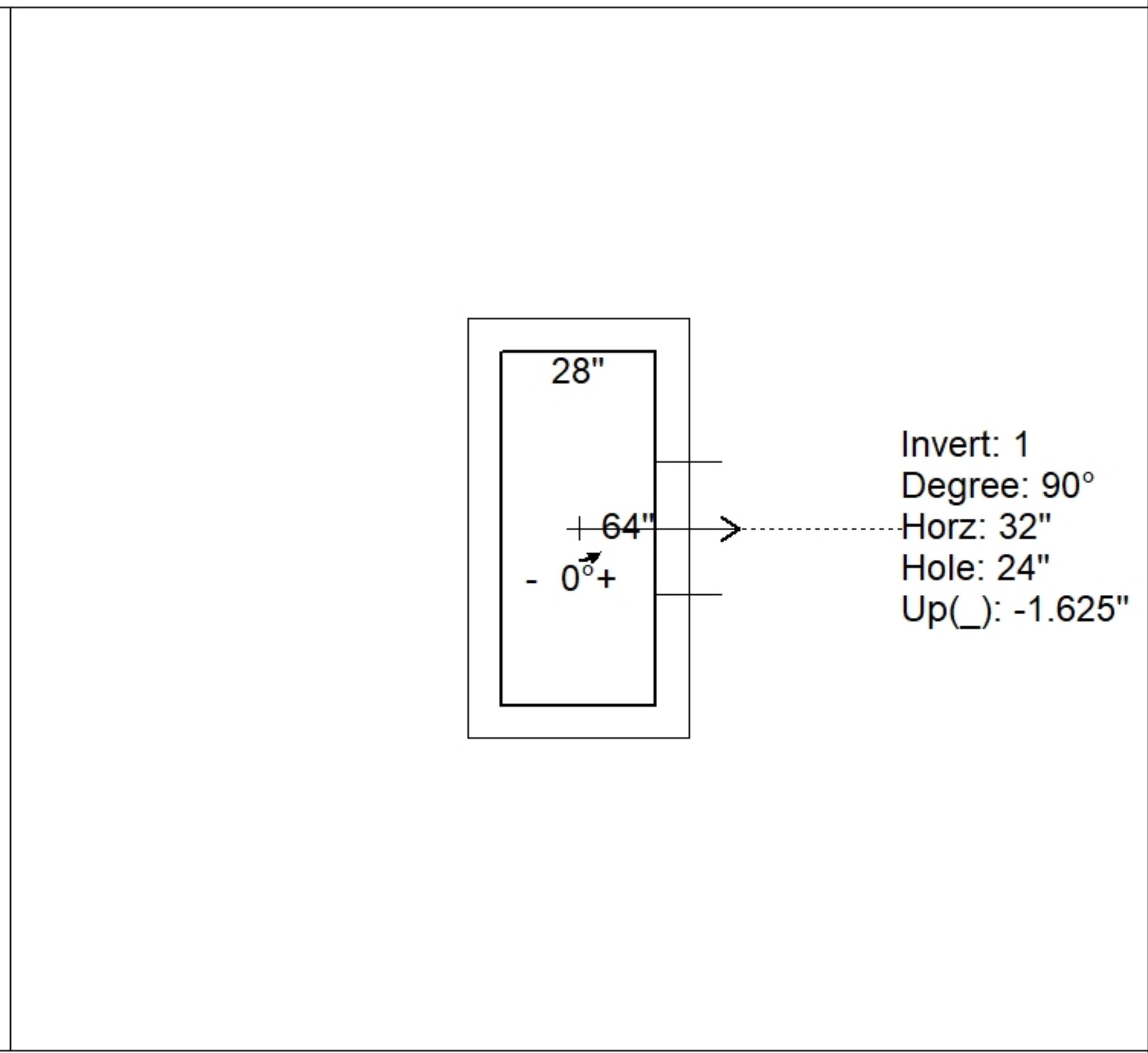
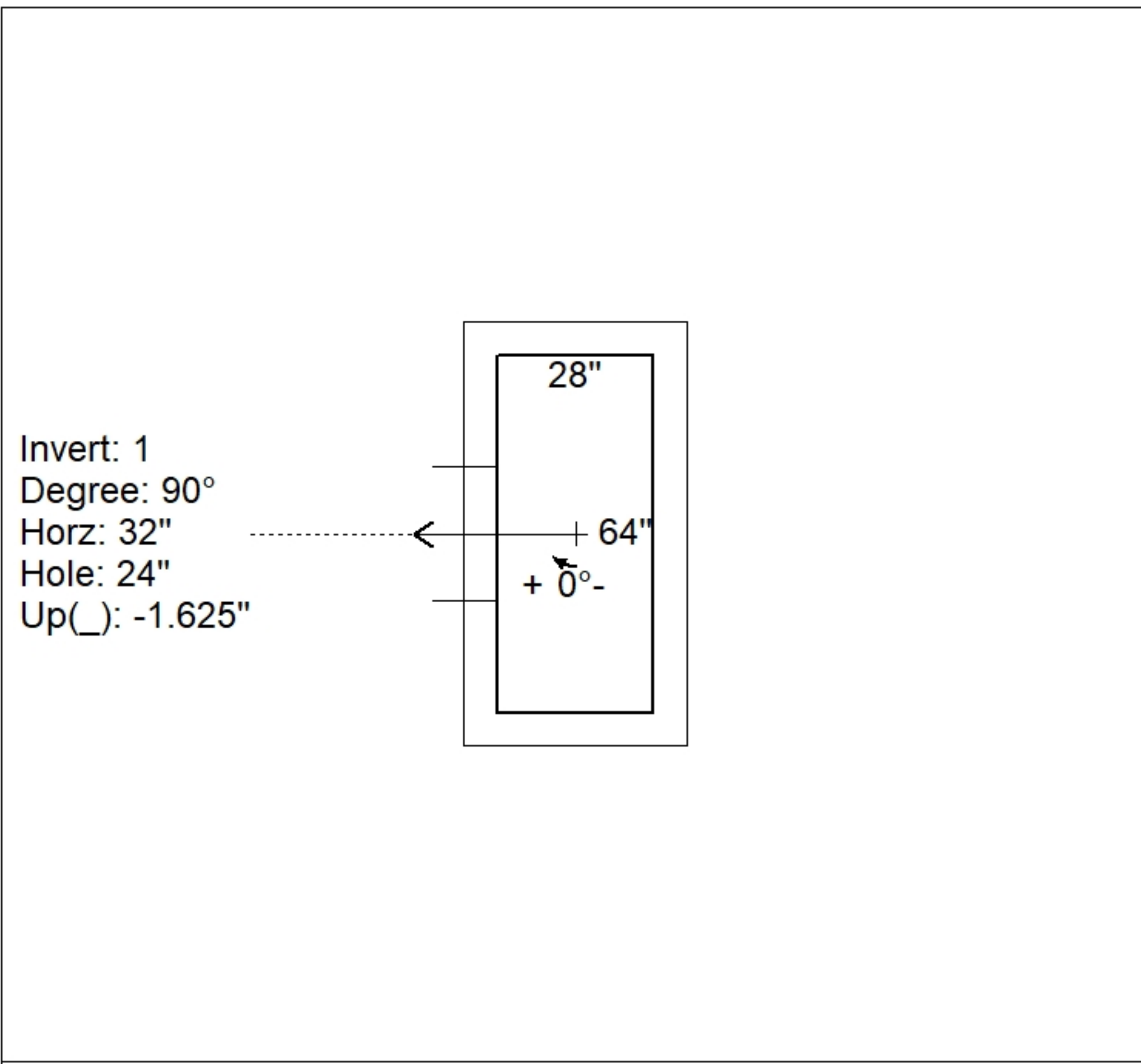
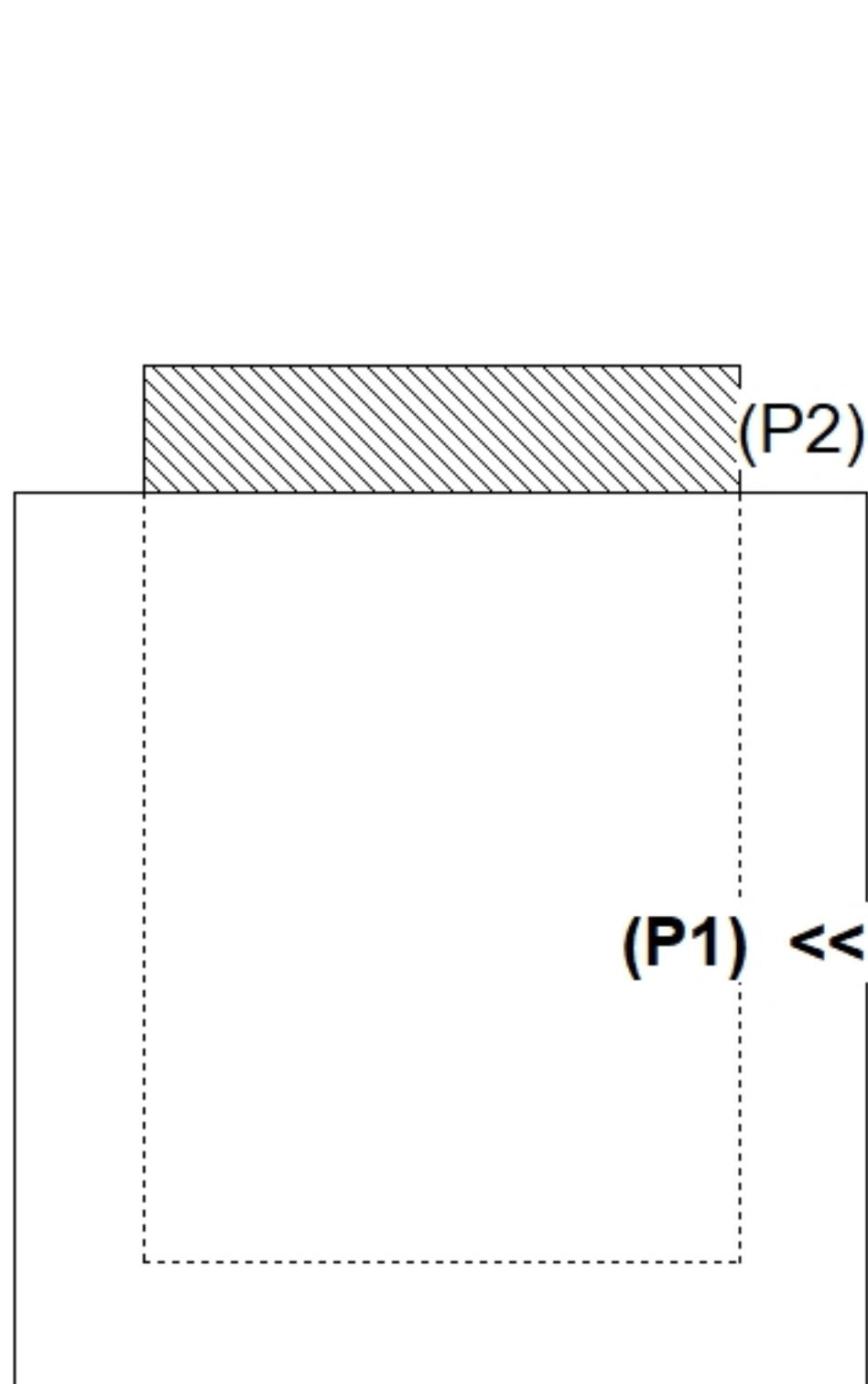
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 514.2' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

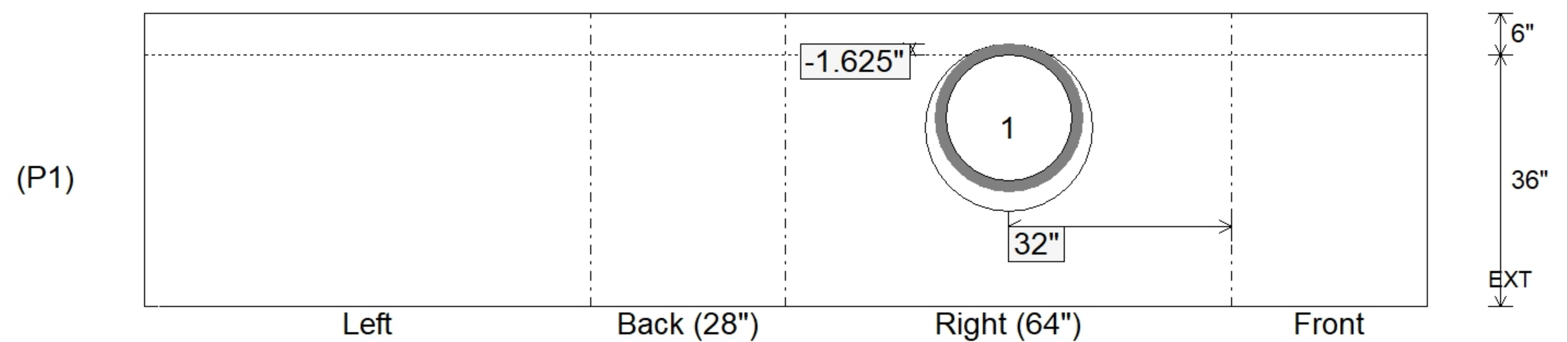
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	510.7'	90°	38"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Int): 36"	Weight (Net): 5073 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 42"	Volume (Net): 1.3cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:09:41 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: G2

P1 BX28640606-VH

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

- P2) 28" x 64" - CASTING HEIGHT - 6"
- P1) 28" x 64" - BOX BASE 6inW, 6inF, Variable Ht F/n - 37"
- 1) Conseal CS-102 1.00" (Single)
- 2) CASTING - JBS 3080-V SET (F/G/H)
- 2) Hole - 24

0 lb
4855 lb
0 lb
1000 lb
0 lb

Structure Total: 5855 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 I-CAST (2 ea. - JBS 3080-V STE(F/G/H)).

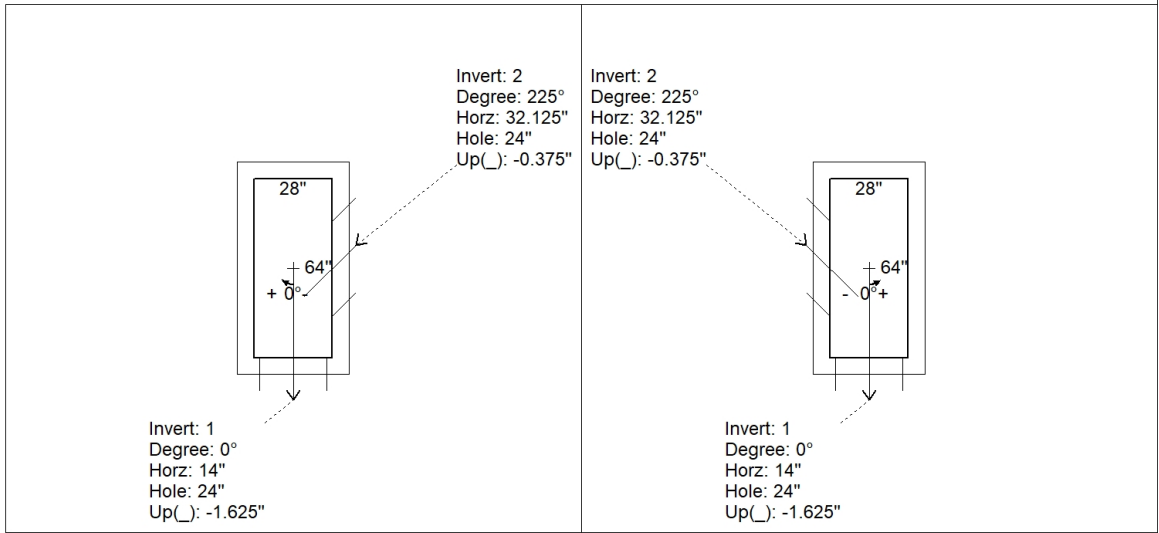
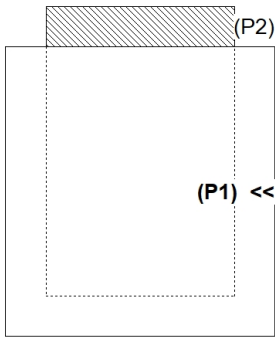
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 520.8' Rim to Invert: 3.62' Slack: 0.44' Sump: 0" Step Position:

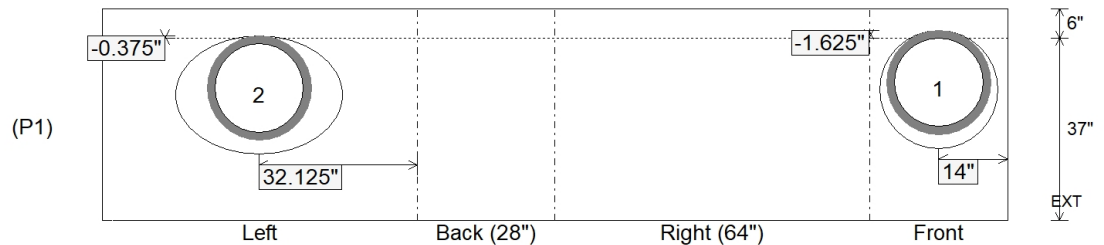
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	517.18'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2	517.28'	225°	32.125"	18" HDPE	21.2"	Hole 24	24"	33.941"	-0.375"	10"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 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: 6" Floor Height: 6"	Height (Int): 37" Height (Ext): 43"	Weight (Net): 4855 lb Volume (Net): 1.24cu.yd
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Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:09:11 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: G1

P1 BX28108-06W06F-BAVF

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

- P2) 28" x 108" - CASTING HEIGHT (CI TRPL) - 6"
- P1) 28" x 108" - BOX BASE 6inW, 6inF, Variable Ht F/n - 36"
- 1) Conseal CS-102 1.00" (Single)
- 3) CASTING - JBS 3080-V SET (F/G/H)
- 1) Hole - 24

0 lb
7460 lb
0 lb
1500 lb
0 lb

Structure Total: 8960 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 I-CAST (3 ea. - JBS 3080-V SET (F/G/H)).

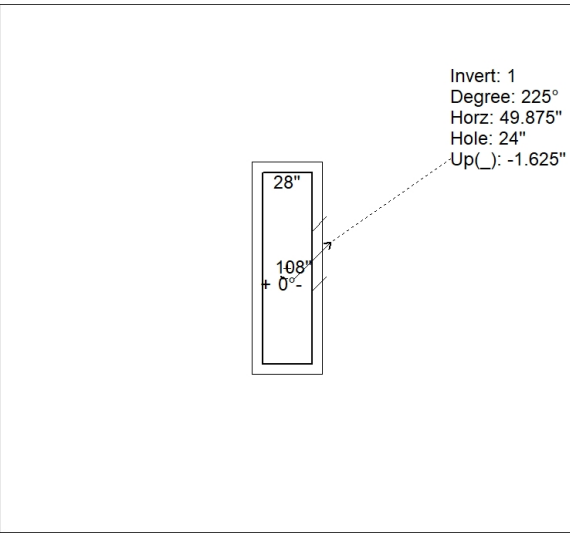
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 521.37' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	517.87'	225°	49.875"	18" HDPE	21.2"	Hole 24	24"	33.941"	-1.625"	7"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

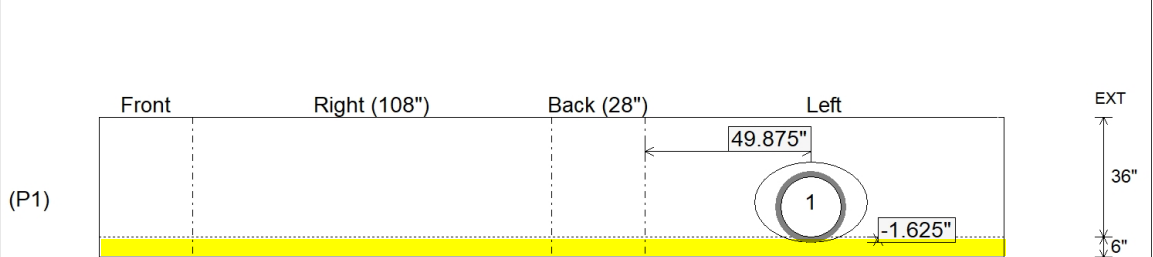
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



1ST POUR (FLOOR) = 2,417 LBS
2ND POUR (WALLS) = 5,028 LBS

INSIDE WALL DIMENSIONS



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

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 7460 lb Volume (Net): 1.9cu.yd
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Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:09:11 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: G1

P1A BX28108-06W06F-BAVF

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

- P2) 28" x 108" - CASTING HEIGHT (CI TRPL) - 6"
- P1) 28" x 108" - BOX BASE 6inW, 6inF, Variable Ht F/n - 36"
- 1) Conseal CS-102 1.00" (Single)
- 3) CASTING - JBS 3080-V SET (F/G/H)
- 1) Hole - 24

0 lb
7460 lb
0 lb
1500 lb
0 lb

Structure Total: 8960 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 I-CAST (3 ea. - JBS 3080-V SET (F/G/H)).

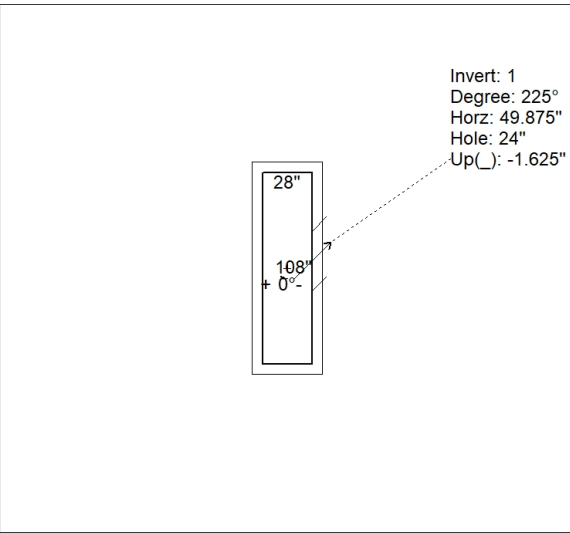
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 521.37' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

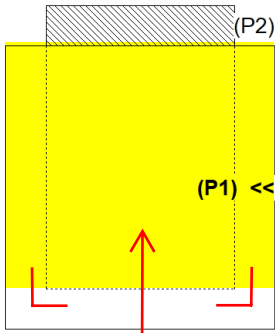
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	517.87'	225°	49.875"	18" HDPE	21.2"	Hole 24	24"	33.941"	-1.625"	7"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

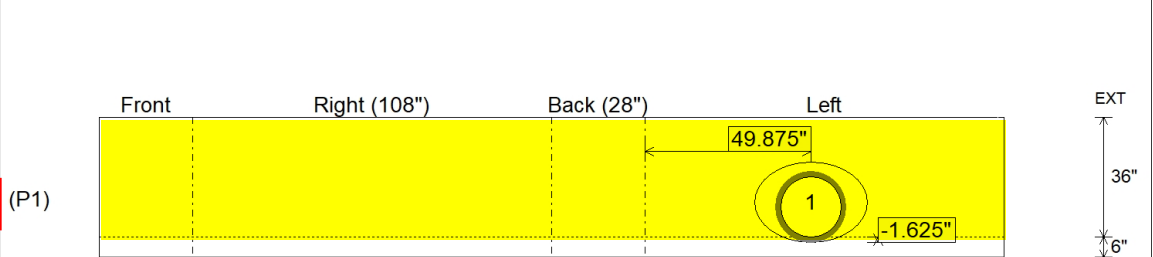


1ST POUR (FLOOR) = 2,417 LBS
2ND POUR (WALLS) = 5,028 LBS



2ND POUR (WALLS)

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 7460 lb Volume (Net): 1.9cu.yd
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