

Job Name: 25-1684P11 KYTC Jefferson Co. Call 200 (251007)
 Job Location: I-264 Louisville, Ky.
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.
 5/28/2026 1:40:12 PM

Tech: N. Richards
 PC: J. Jarvis



Structure ID: 10+27 RT MH-A INLET 45A

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 8"
- P2) 48" - ECC CONE w/ 24" HOLE - 36"
- P1) 48" - MH BASE Custom Ht - 40"
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" - Conseal CS-102 1.00"
- 2) Hole - 30
- 1) Hole - 22
- 6) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 3328 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 6328 lb

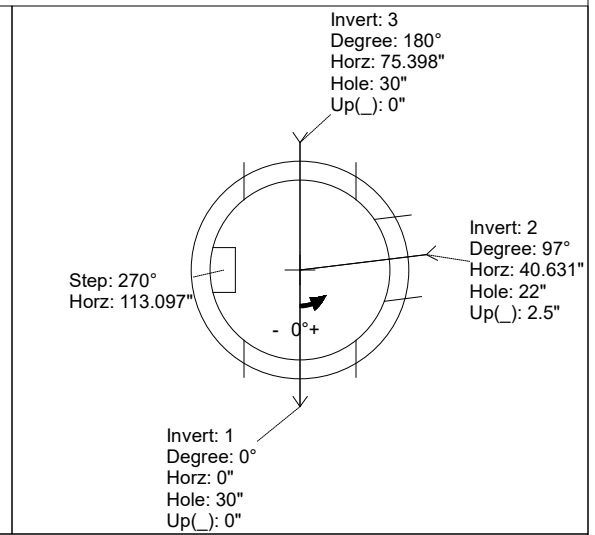
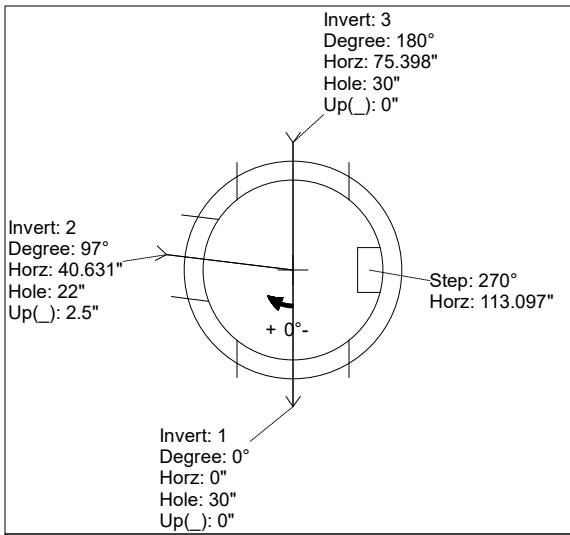
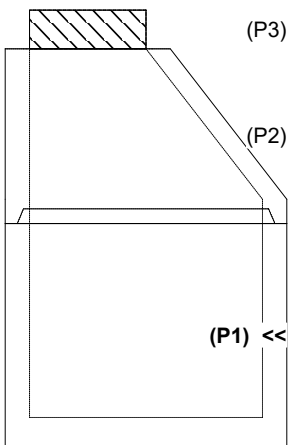
Structure Notes:
 -KYTC STATE PROJECT 251007
 -REINFORCING: PER ASTM C-478 SPECIFICATIONS.
 -TYPE 2 MANHOLE FRAME & COVER (BY OTHERS).
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
 -KYTC CERTIFICATIONS REQUIRED.

Rim: 581.24' Rim to Invert: 6.64' Slack: 0.18" Sump: 4.5" Step Position: 270

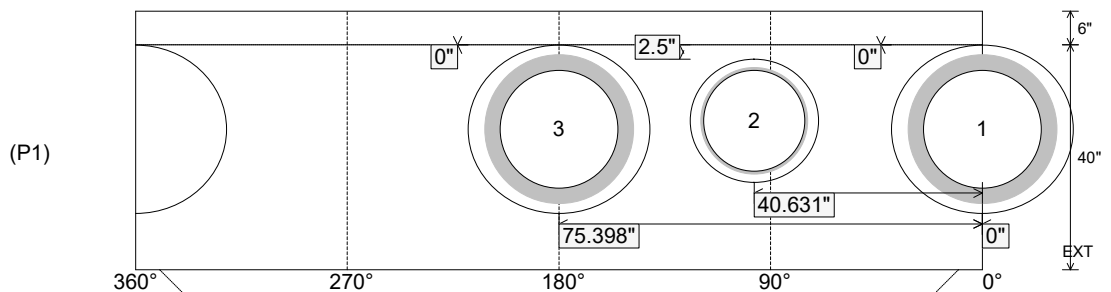
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	574.6'	0°	0"	21" RCP B WALL	26.5"	Hole 30	30"	32.406"	0"	0"
Invert 2	574.6'	97°	49.096"	18" CMP	19"	Hole 22	22"	22.854"	2.5"	0"
Invert 3	574.6'	180°	91.106"	21" RCP B WALL	26.5"	Hole 30	30"	32.406"	0"	0"
Invert 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): 40" Height (Ext): 46"	Weight (Net): 3328 lb Volume (Net): 0.85cu.yd
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Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)
 Job Location: Clarksville, TN
 Contractor: Byard Construction, LLC

Plant: 100

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Tech: Jared - A

PC: A. Chambers



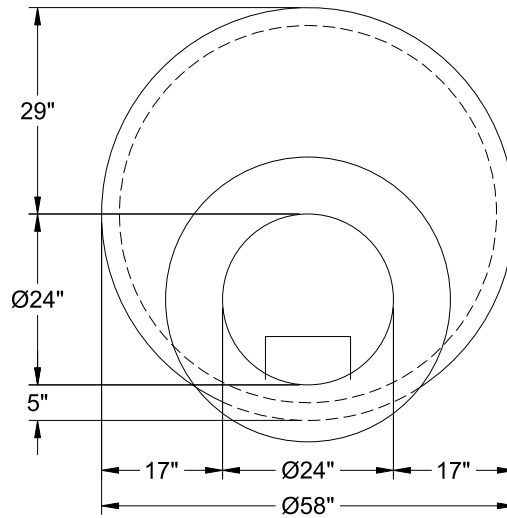
Structure ID: A-6

P3 MH048CN36CDARED

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

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

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



48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" - (P3)



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 36"	Weight (Net): 2251 lb Volume (Net): 0.57cu.yd
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Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)
 Job Location: Clarksville, TN
 Contractor: Byard Construction, LLC

Plant: 100

Tech: Jared - A

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PC: A. Chambers



Structure ID: A-4

P3 MH048RS60CDARED

MH RISER w/ConBlock-CDA Red T/G

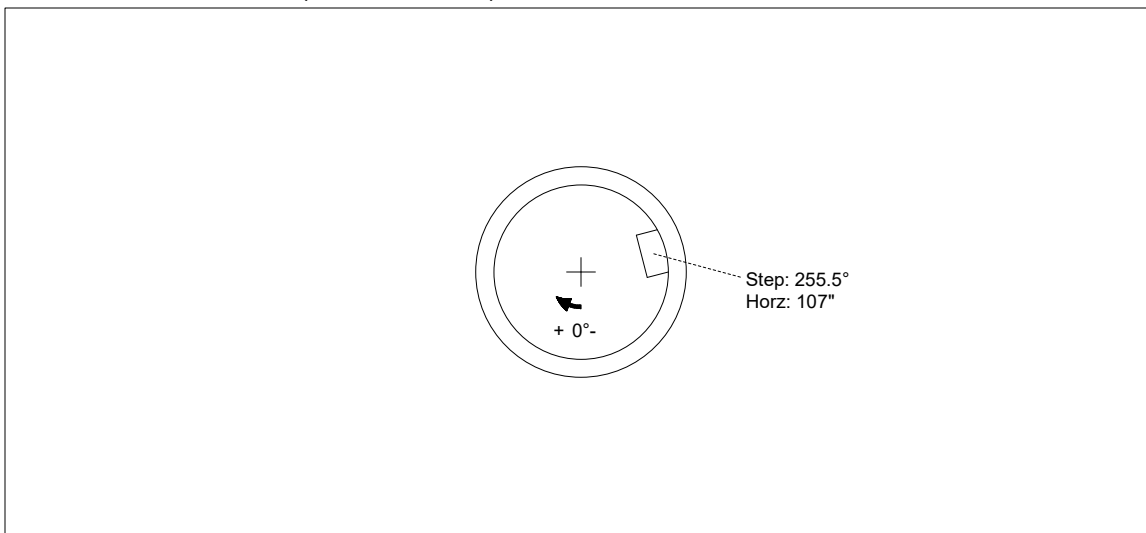
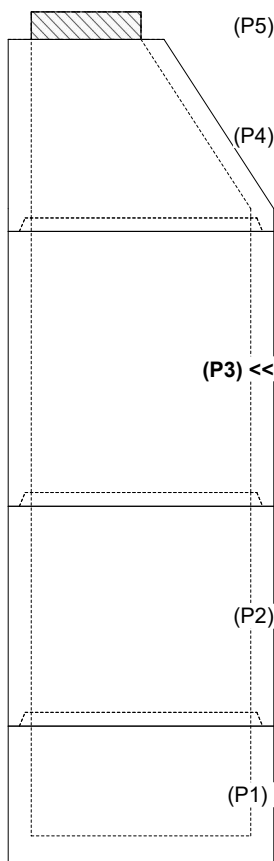
P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42"	3116 lb
P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60"	4192 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48"	3353 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24"	2911 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA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

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

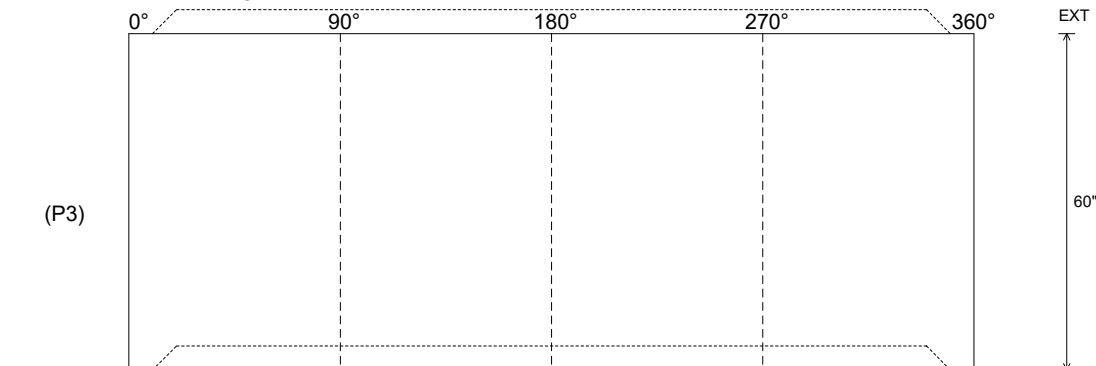
Rim: 430.44' Rim to Invert: 14.91' Slack: 0.92" Sump: 2" Step Position: 255.5°

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: Groove

Wall Thickness: 5"
 Floor Height: 0"

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

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

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

Plant: 100

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Tech: Jared - A

PC: A. Chambers



Structure ID: A-3

P3 MH048RS60CDARED

MH RISER w/ConBlock-CDA Red T/G

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

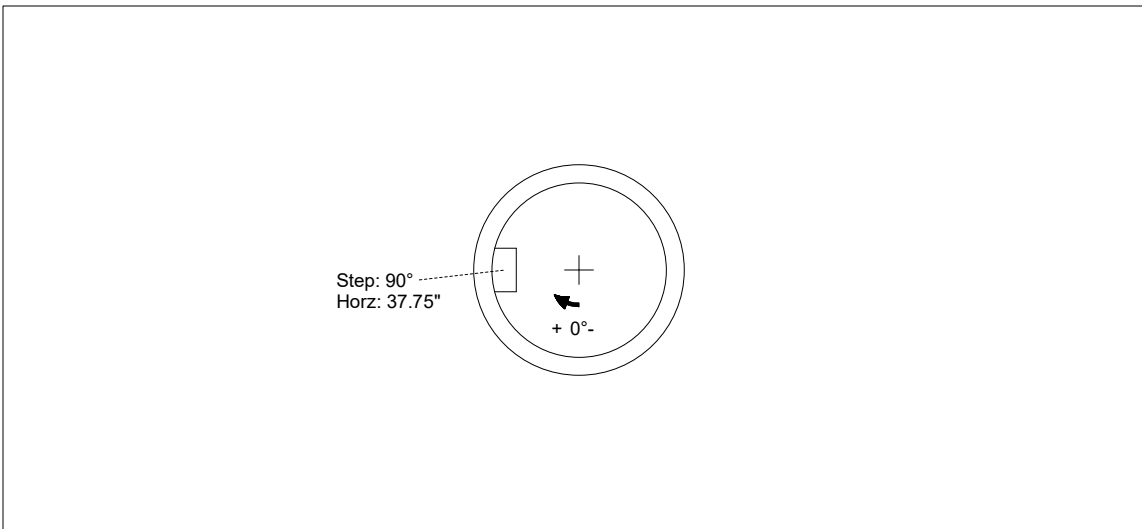
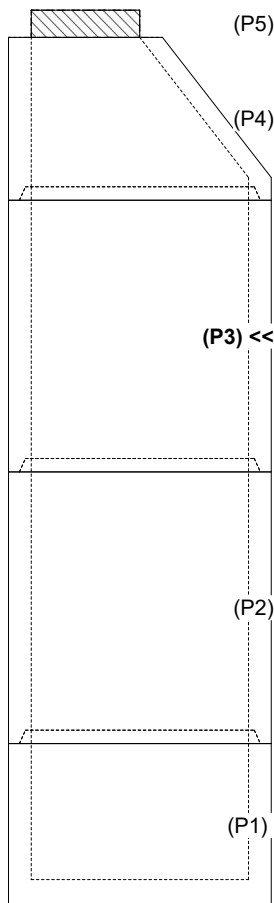
- Structure Notes:
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. CONBLOCK CDA RED ADMIXTURE REQUIRED
 5. STEPS AT 90 DEGREES
 6. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Structure Total: 15670 lb

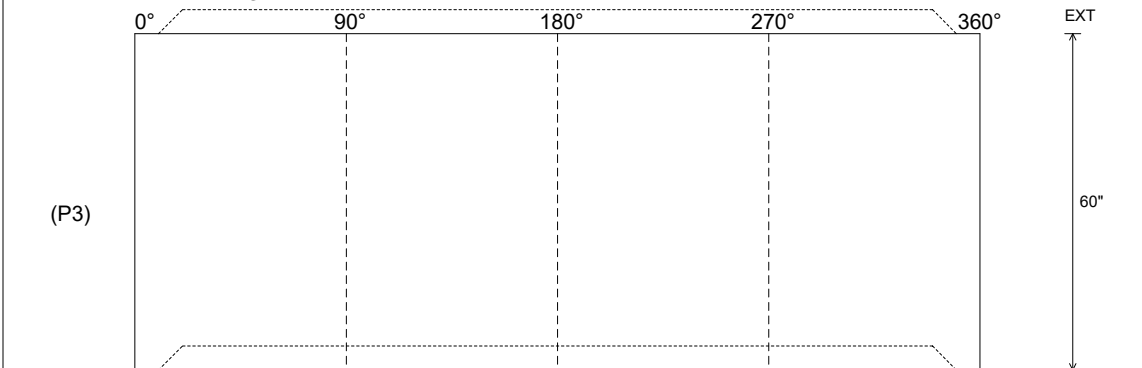
Rim: 429.93' Rim to Invert: 15.91' Slack: 0.92" Sump: 2" Step Position: 90°

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 5"
Floor Height: 0"

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

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

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

Plant: 100

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Tech: Jared - A

PC: A. Chambers



Structure ID: A-5

P1 MH048BA36CDARED

MH BASE w/ConBlock-CDA Red T/n

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

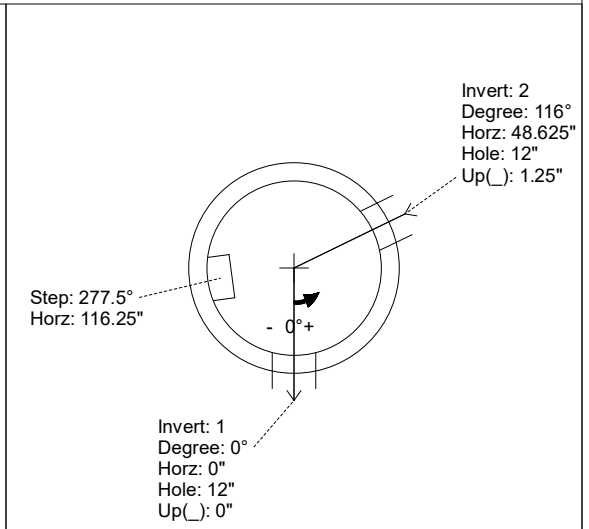
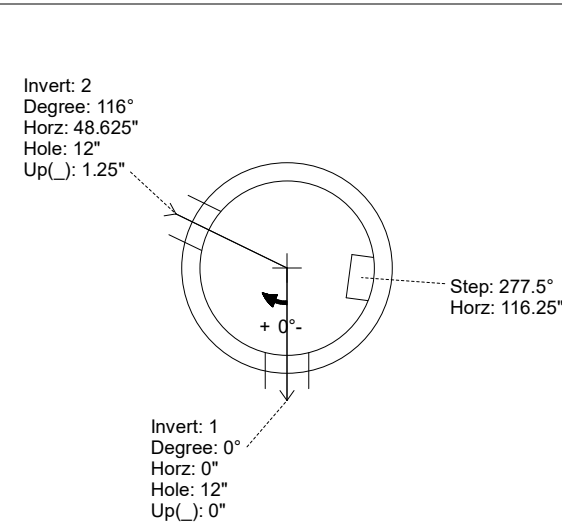
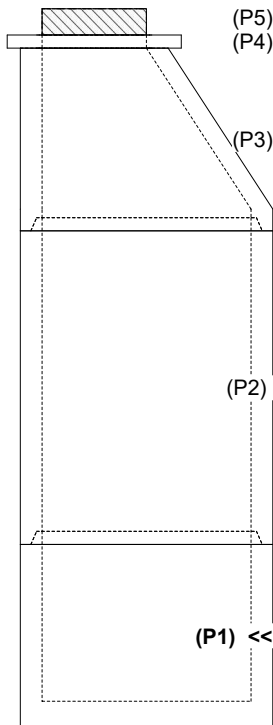
- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. CONBLOCK CDA RED ADMIXTURE REQUIRED
 6. STEPS AT 277.5 DEGREES
 7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

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

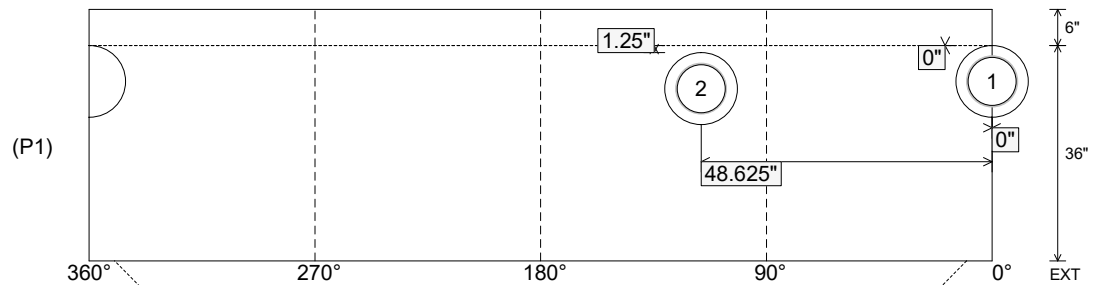
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	416.7'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	416.8'	116°	58.75"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6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

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

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

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

Structure ID: A-5

P1 MH048BA36CDARED

MH BASE w/ConBlock-CDA Red T/n

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

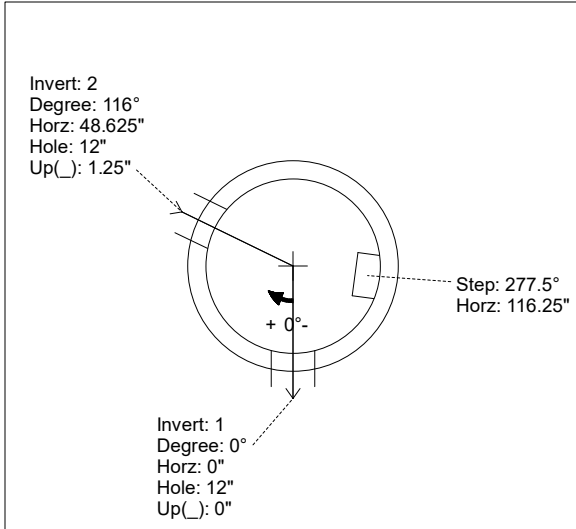
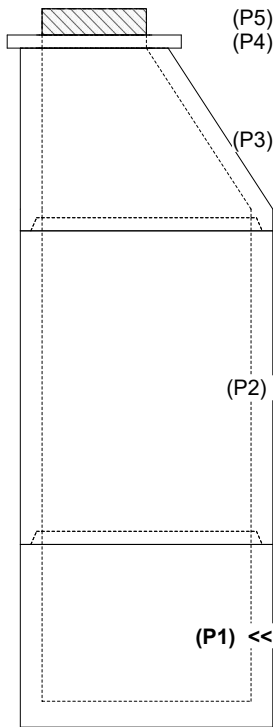
1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. CONBLOCK CDA RED ADMIXTURE REQUIRED
6. STEPS AT 277.5 DEGREES
7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

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

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

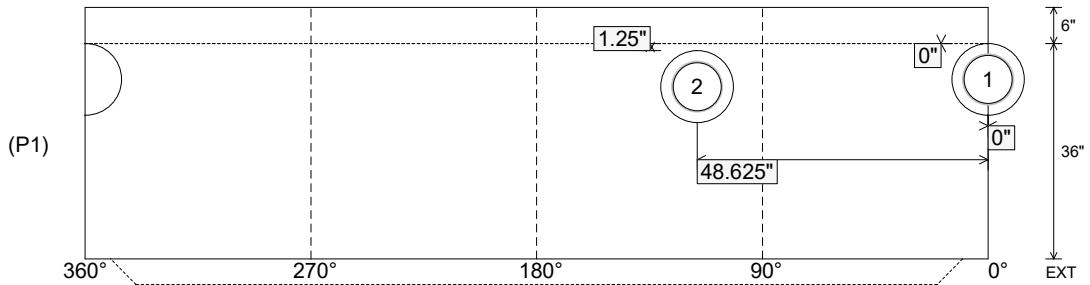
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL
DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 25-2422 - Woodland Springs Section 3 (Sanitary)
 Job Location: Clarksville, TN
 Contractor: Byard Construction, LLC

Plant: 100

Tech: Jared - A

5/14/2026 2:16:55 PM

PC: A. Chambers



Structure ID: A-5

P2 MH048RS72SCDR

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

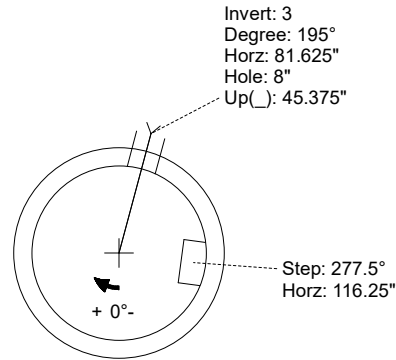
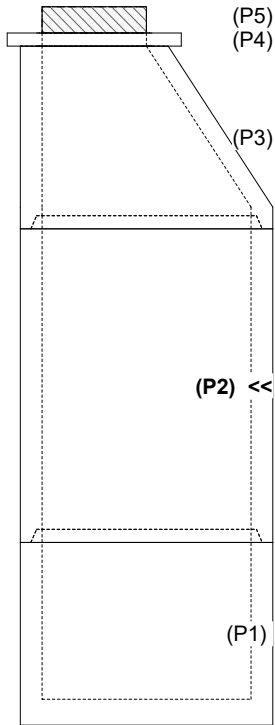
P5) 24" - CASTING HEIGHT - 6"	0 lb
P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"	202 lb
P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42"	3116 lb
P2) 48" - MH RISER SPECIAL w/ConBlock-CDA Red T/G - 72"	5009 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36"	3749 lb
1) 48" - MH INVERT CHANNEL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

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

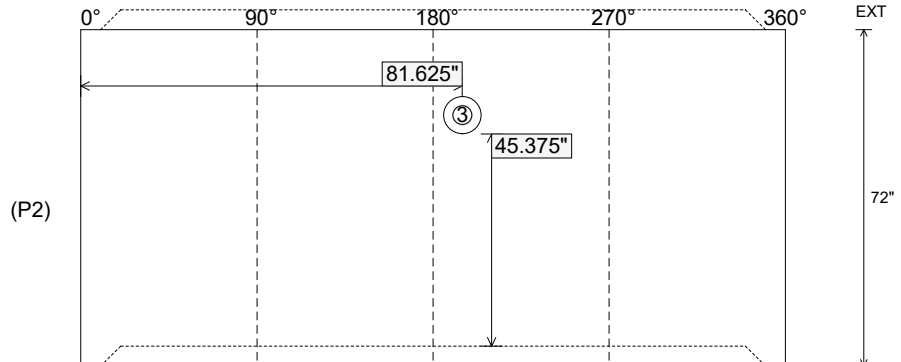
Rim: 429.84' Rim to Invert: 13.14' Slack: 0.68" Sump: 2" Step Position: 277.5°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2										
Invert 3	423.84'	195°	98.75"	4" PVC SDR35	4.25"	PSX 8QRS DD	8"	8.038"	45.375"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 5"
Floor Height: 0"

Height (Int): 72"
Height (Ext): 72"

Weight (Net): 5009 lb
Volume (Net): 1.28cu.yd

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

Plant: 100

5/14/2026 2:16:00 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: A-4

P1 MH048BA24CDARED

MH BASE w/ConBlock-CDA Red T/n

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

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

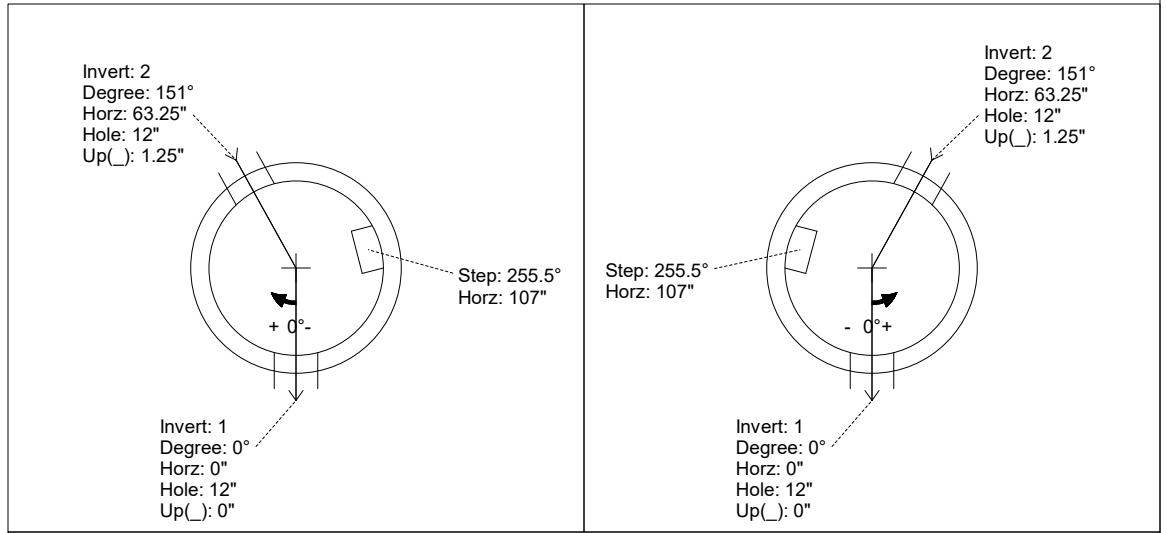
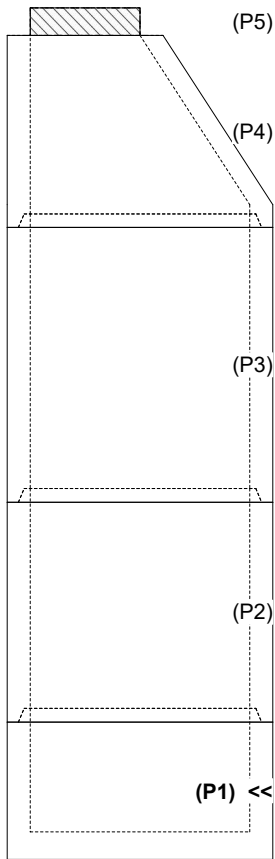
Structure Total: 15278 lb

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

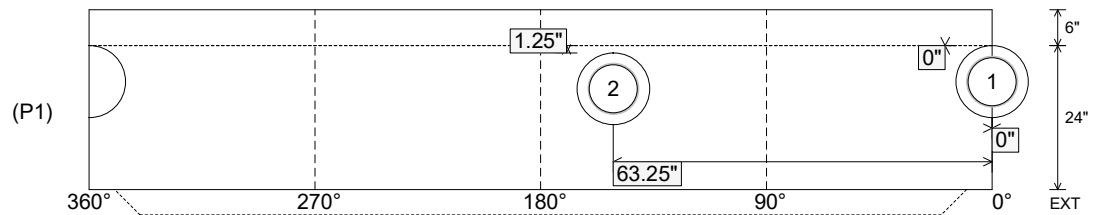
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	415.53'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	415.63'	151°	76.375"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert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

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

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

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

Structure ID: A-4

P1 MH048BA24CDARED

MH BASE w/ConBlock-CDA Red T/n

P5) 24" - CASTING HEIGHT - 6" P4) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P3) 48" - MH RISER w/ConBlock-CDA Red T/G - 60" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24" 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ADMIXTURE CONBLOCK CDA RED 1) CASTING - JBS 1155 F/C SANITARY 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 15) MH Step ML-10-TDS-NCR - 10"	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: right;">0 lb</td><td style="text-align: left;">Structure Notes:</td></tr> <tr><td style="text-align: right;">3116 lb</td><td>1. PER ASTM C-478 SPECIFICATIONS</td></tr> <tr><td style="text-align: right;">4192 lb</td><td>2. CONCRETE: 4,000 PSI AT 28 DAYS</td></tr> <tr><td style="text-align: right;">3353 lb</td><td>3. REINFORCEMENT: PER ASTM A615</td></tr> <tr><td style="text-align: right;">2911 lb</td><td>4. INVERT CHANNEL REQUIRED</td></tr> <tr><td style="text-align: right;">1440 lb</td><td>5. CONBLOCK CDA RED ADMIXTURE REQUIRED</td></tr> <tr><td style="text-align: right;">0 lb</td><td>6. STEPS AT 255.5 DEGREES</td></tr> <tr><td style="text-align: right;">0 lb</td><td>7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST</td></tr> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">250 lb</td><td></td></tr> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">16 lb</td><td></td></tr> <tr><td style="text-align: right;">0 lb</td><td></td></tr> <tr><td style="text-align: right;">-----</td><td></td></tr> <tr><td style="text-align: right;">Structure Total:</td><td style="text-align: right;">15278 lb</td></tr> </table>	0 lb	Structure Notes:	3116 lb	1. PER ASTM C-478 SPECIFICATIONS	4192 lb	2. CONCRETE: 4,000 PSI AT 28 DAYS	3353 lb	3. REINFORCEMENT: PER ASTM A615	2911 lb	4. INVERT CHANNEL REQUIRED	1440 lb	5. CONBLOCK CDA RED ADMIXTURE REQUIRED	0 lb	6. STEPS AT 255.5 DEGREES	0 lb	7. JBS 1155 FRAME & COVER "SANITARY" SUPPLIED BY ICAST	0 lb		0 lb		250 lb		0 lb		0 lb		16 lb		0 lb		-----		Structure Total:	15278 lb
0 lb	Structure Notes:																																		
3116 lb	1. PER ASTM C-478 SPECIFICATIONS																																		
4192 lb	2. CONCRETE: 4,000 PSI AT 28 DAYS																																		
3353 lb	3. REINFORCEMENT: PER ASTM A615																																		
2911 lb	4. INVERT CHANNEL REQUIRED																																		
1440 lb	5. CONBLOCK CDA RED ADMIXTURE REQUIRED																																		
0 lb	6. STEPS AT 255.5 DEGREES																																		
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0 lb																																			
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250 lb																																			
0 lb																																			
0 lb																																			
16 lb																																			
0 lb																																			

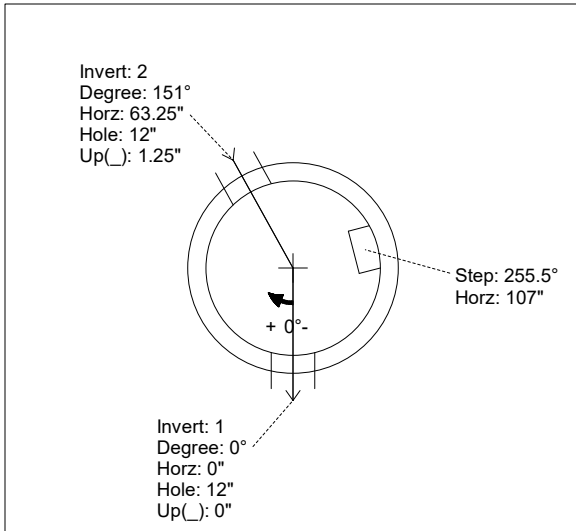
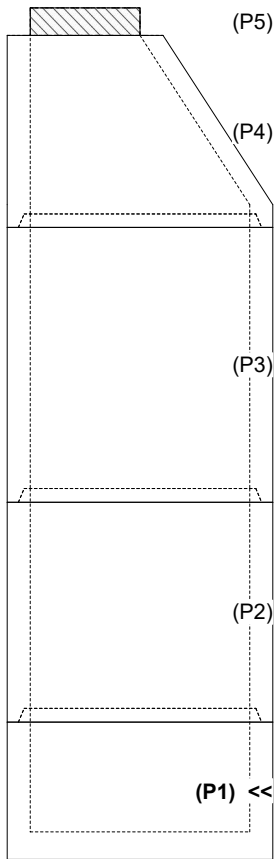
Structure Total:	15278 lb																																		

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

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

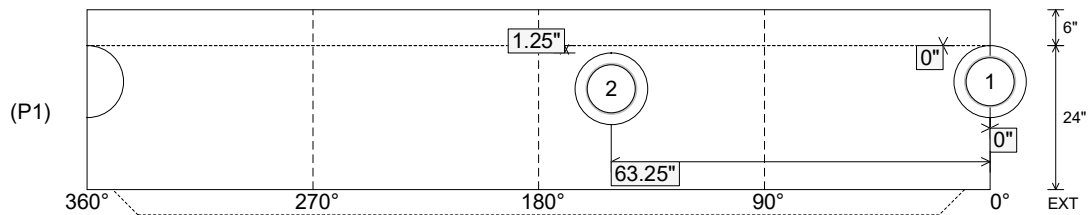
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2911 lb Volume (Net): 0.74cu.yd
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Job Name: 25-2511B - Blue Sky Sec 1 (Storm)
 Job Location: Clarksville, TN
 Contractor: Byard Construction, LLC

Plant: 100

11/17/2025 5:03:05 PM

Tech: J. Horsley - F

PC: A. Chambers



Structure ID: Z

P2 MH048LD07ECC

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

- P3) 24" - CASTING HEIGHT - 6"
- P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/F - 7"
- P1) 48" - MH BASE Custom Ht F/n - 30"
- 1) Conseal CS-102 1.00" (Single)
- 1) CASTING - JBS 1155 F/C STORM
- 2) Hole - 24"

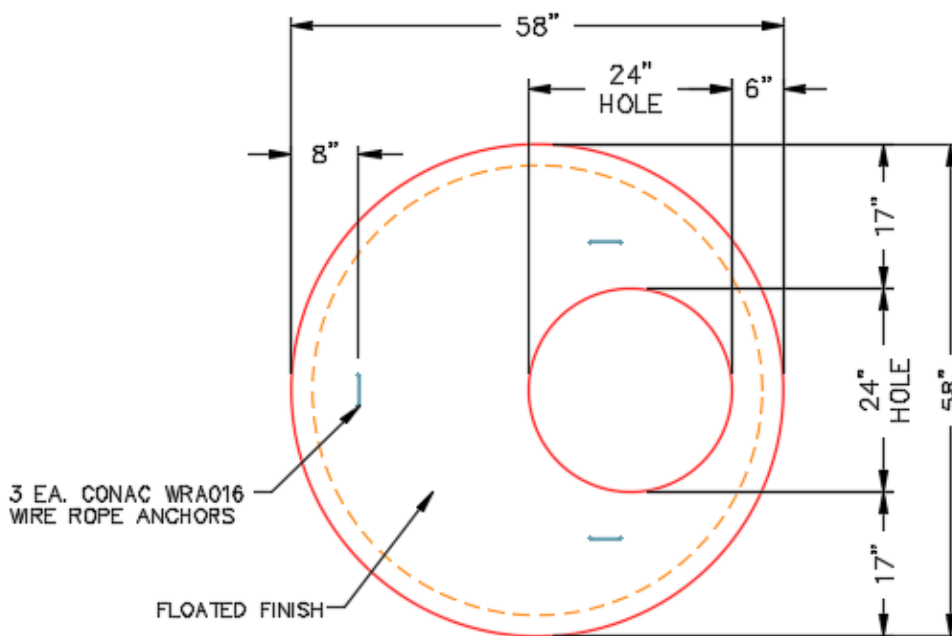
0 lb
 1286 lb
 3032 lb
 0 lb
 250 lb
 0 lb

Structure Total: 4568 lb

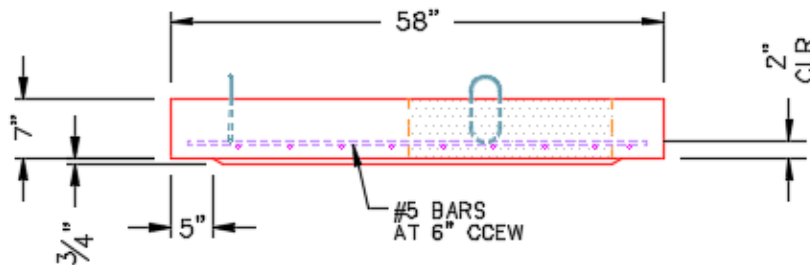
Structure Notes:

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 1155 F/C STORM).

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



PLAN VIEW



SECTION A-A

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 7"

Weight (Net): 1286 lb
 Volume (Net): 0.33cu.yd

Job Name: 26-1227 - Project Colt
 Job Location: Evansville, IN
 Contractor: Russell's Excavating

Plant: 100
 5/12/2026 11:30:55 AM

Tech: Jared - F
 PC: A. Chambers



Structure ID: 103-13 MHJ

P2 MH060LD08

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

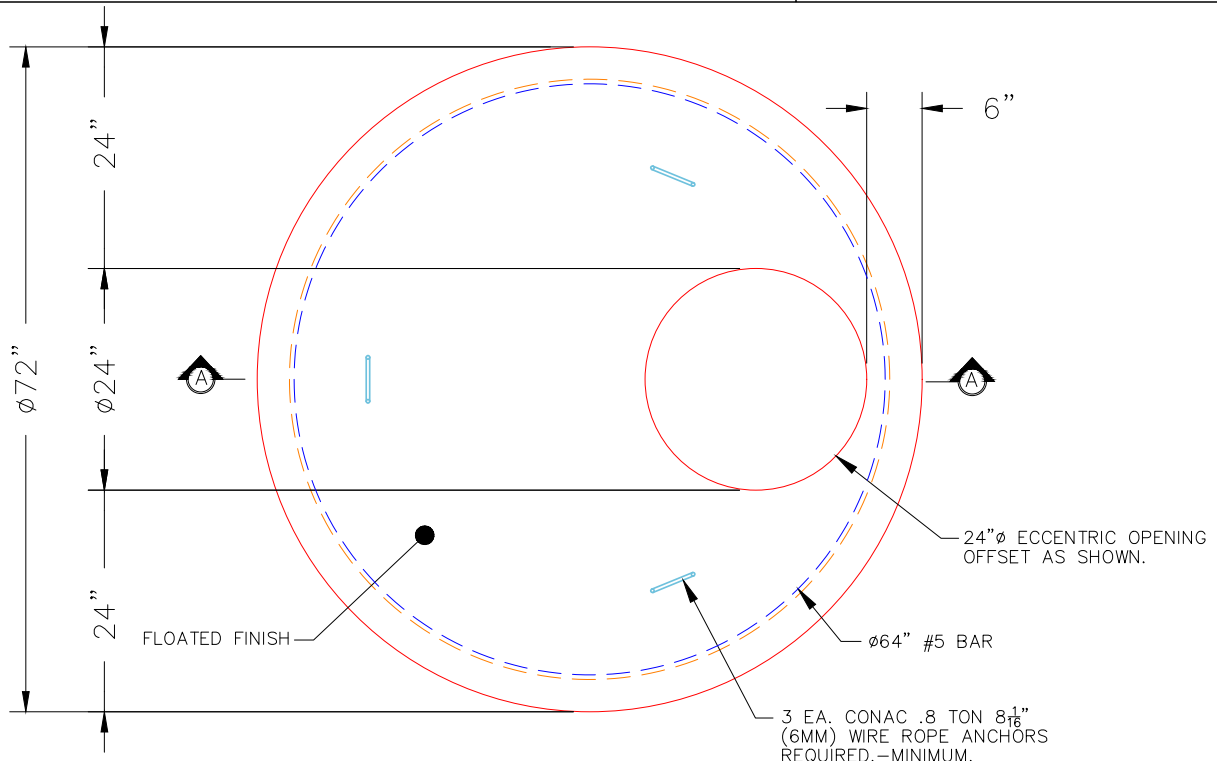
- P3) 24" - CASTING HEIGHT - 1"
- P2) 60" - MH FLAT LID w/24in ECC Hole F/F - 8"
- P1) 60" - MH BASE Custom Ht F/n - 61"
- 1) EJ 6489 GRATE
- 1) 60" - Conseal CS-102 1.00"
- 2) Hole - 44
- 2) Hole - 6
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb
 2429 lb
 7390 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

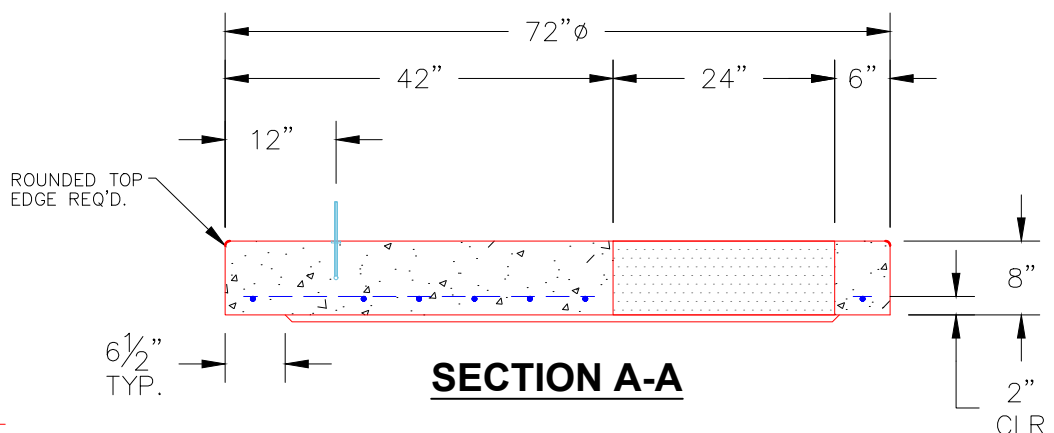
 Structure Total: 9819 lb

Structure Notes:
 1. INDOT MH TYPE J / ASTM C478 SPEC'S.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING BY ICAST (EJ 6489 GRATE).

 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .62) #5 BARS AT 6" 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: Flat	Wall Thickness: 6"	Height (Ext): 8"	Weight (Net): 2429 lb Volume (Net): 0.62cu.yd
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Job Name: 26-1227 - Project Colt
 Job Location: Evansville, IN
 Contractor: Russell's Excavating

Plant: 100
 5/12/2026 11:30:54 AM

Tech: Jared - F
 PC: A. Chambers



Structure ID: 102-12 MHJ

P2 MH060TS15-48ECC

MH Transition Slab 48" Hole T/G

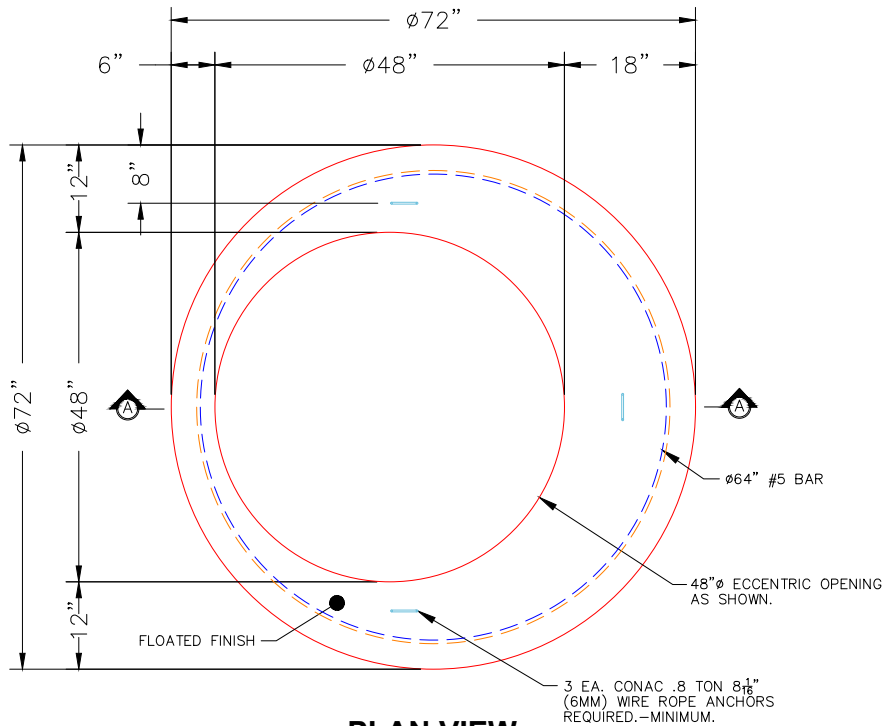
- P5) 24" - CASTING HEIGHT - 8"
- P4) 48" - MH FLAT LID w/24in ECC Hole F/G - 12"
- P3) 48" - MH RISER T/G - 72"
- P2) 60" - MH Transition Slab 48" Hole T/G - 15"
- P1) 60" - MH BASE T/n - 66"
- 1) HOE R-3472 INDOT Type 2 Frame & Grate
- 1) 60" - Conseal CS-102 1.00"
- 2) 48" - Conseal CS-102 1.00"
- 2) Hole - 44
- 2) Hole - 6
- 11) MH Step ML-10-TDS-NCR - 10"

0 lb
 1561 lb
 5006 lb
 2204 lb
 7940 lb
 250 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

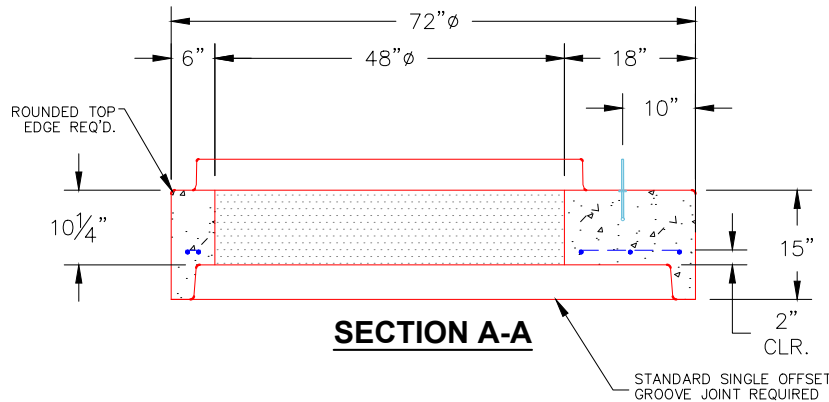
 Structure Total: 16961 lb

Structure Notes:
 1. INDOT MH TYPE J / ASTM C478 SPEC'S.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE R-3472 INDOT TYPE 2 FRAME & GRATE).

REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .62) #5 BARS AT 6" 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: Tongue
 Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 15"

Weight (Net): 2204 lb
 Volume (Net): 0.56cu.yd

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

Plant: 100

Tech: J. Horsley - A

3/27/2026 11:40:56 AM

PC: Celina Goff



Structure ID: 2301566

P2 MH060TS15-48ECC

MH Transition Slab 48" Hole T/G

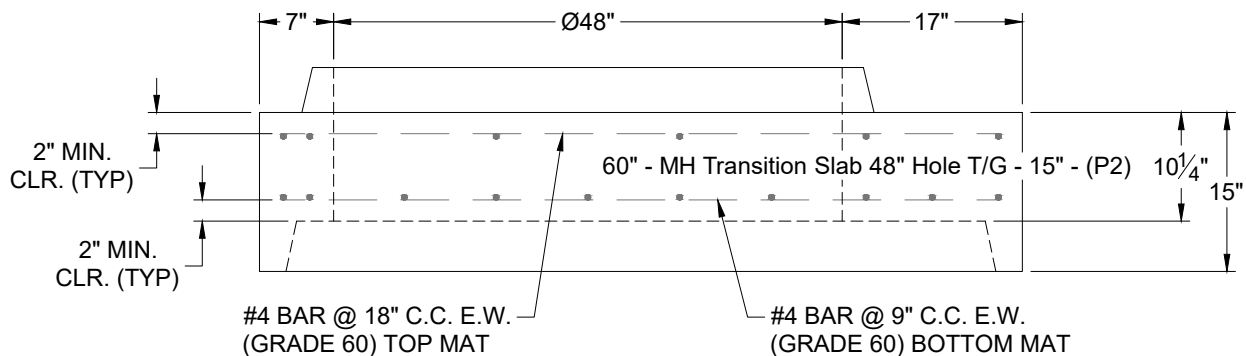
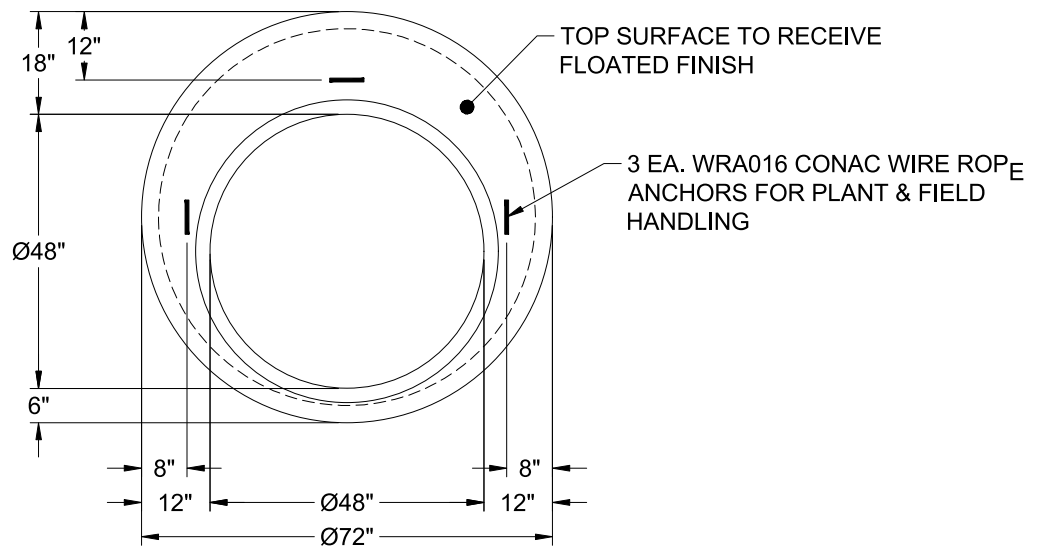
- P7) 24" - CASTING HEIGHT - 7"
- P6) 48" - CON CONE w/24" HOLE F/G - 24"
- P5) 48" - MH RISER T/G - 60"
- P4) 48" - MH RISER T/G - 60"
- P3) 48" - MH RISER T/G - 60"
- P2) 60" - MH Transition Slab 48" Hole T/G - 15"
- P1) 60" - MH BASE (12"F) Custom Ht T/n - 66"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 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 Total: 29360 lb

Structure Notes:

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



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 6"	Height (Ext): 15"	Weight (Net): 2204 lb Volume (Net): 0.56cu.yd
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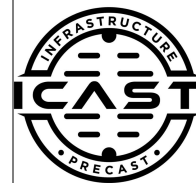
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 Job Location: Fort Mitchell, KY 41017
 Contractor: Lykins Contracting

Plant: 100

3/20/2026 1:21:53 PM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301565

P1 MH060DPVF

MH BASE w/DROP Custom Ht T/n

- P6) 24" - CASTING HEIGHT - 7"
- P5) 24" - GRADE RING F/F - 3"
- P4) 48" - CON CONE w/24" HOLE F/G - 36"
- P3) 48" - MH RISER T/G - 48"
- P2) 60" - MH Transition Slab 48" Hole T/G - 15"
- P1) 60" - MH BASE w/DROP Custom Ht T/n - 72"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 1) SECONDARY POUR - Add Exterior Drop to Base (P1)
- 1) 60" - Conseal CS-102 1.00" (Double)
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 13) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 75 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS
 7. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST

0 lb
 202 lb
 2252 lb
 3353 lb
 2204 lb
 8838 lb
 2692 lb
 3440 lb
 0 lb
 0 lb
 2 lb
 0 lb
 0 lb
 0 lb
 0 lb

Structure Total: 22984 lb

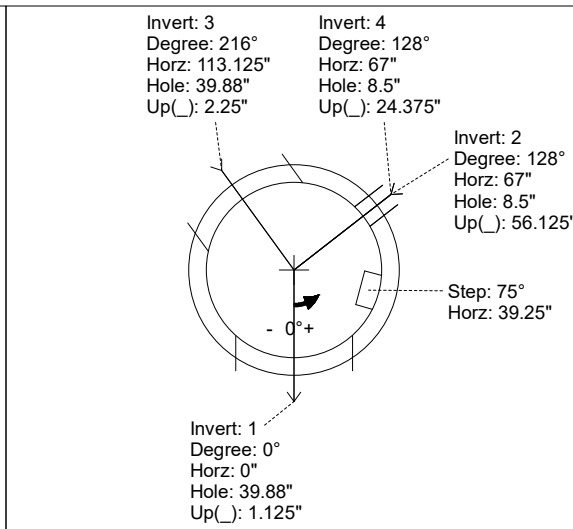
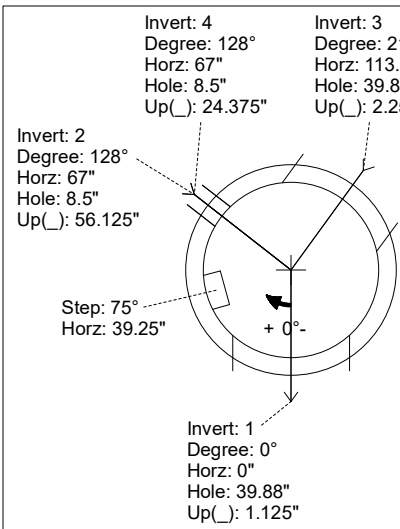
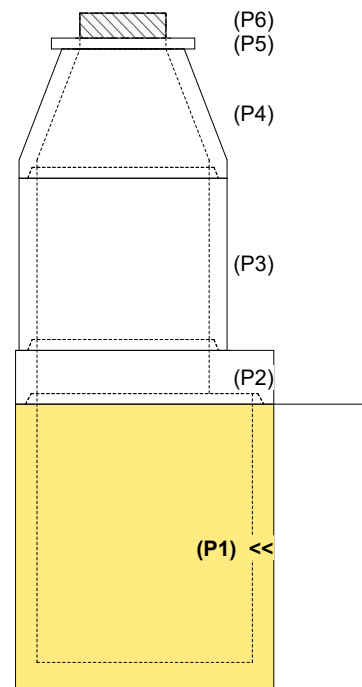
FIRST POUR (BASE): 8,838 LBS
SECOND POUR (DROP): 3,440 LBS

Rim: 760.2' Rim to Invert: 14.96' Slack: 1.52" Sump: 3" Step Position: 75°

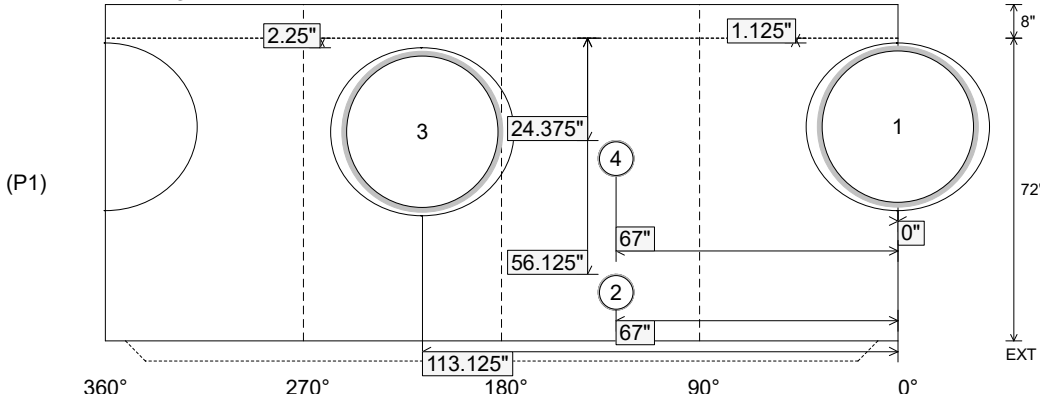
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	745.24'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	749.69'	128°	80.375"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.529"	56.125"	0"
Invert 3	745.34'	216°	135.75"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 4	747.04'	128°	80.375"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 72" Height (Ext): 80"	Weight (Net): 8838 lb Volume (Net): 2.26cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
 Job Location: Fort Mitchell, KY 41017
 Contractor: Lykins Contracting

Plant: 100

3/20/2026 1:21:53 PM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301565

P1 MH060DPVF

MH BASE w/DROP Custom Ht T/n

- P6) 24" - CASTING HEIGHT - 7"
- P5) 24" - GRADE RING F/F - 3"
- P4) 48" - CON CONE w/24" HOLE F/G - 36"
- P3) 48" - MH RISER T/G - 48"
- P2) 60" - MH Transition Slab 48" Hole T/G - 15"
- P1) 60" - MH BASE w/DROP Custom Ht T/n - 72"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 1) SECONDARY POUR - Add Exterior Drop to Base (P1)
- 1) 60" - Conseal CS-102 1.00" (Double)
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 13) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 202 lb
- 2252 lb
- 3353 lb
- 2204 lb
- 8838 lb
- 2692 lb
- 3440 lb
- 0 lb
- 0 lb
- 2 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb

- Structure Notes:**
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. EXTERIOR DROP REINFORCEMENT: DRILL & STUB #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 75 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS
 7. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST
 8. ADD 8" SDR 35 DROP, TEE AT INVERT 2 (128°), & ELBOW AT INVERT 4 (128°)

Structure Total: 22984 lb

FIRST POUR (BASE): 8,838 LBS

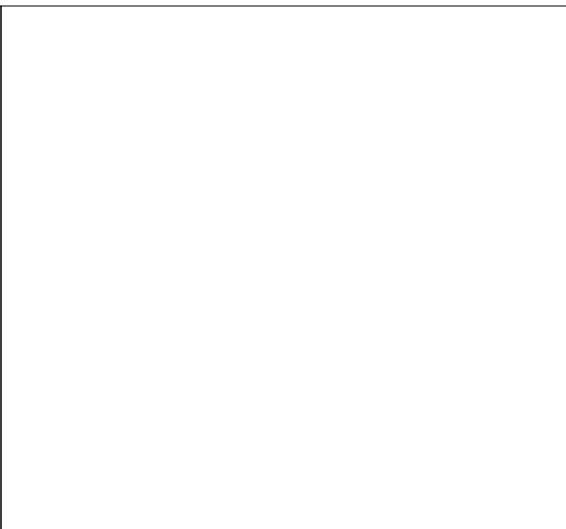
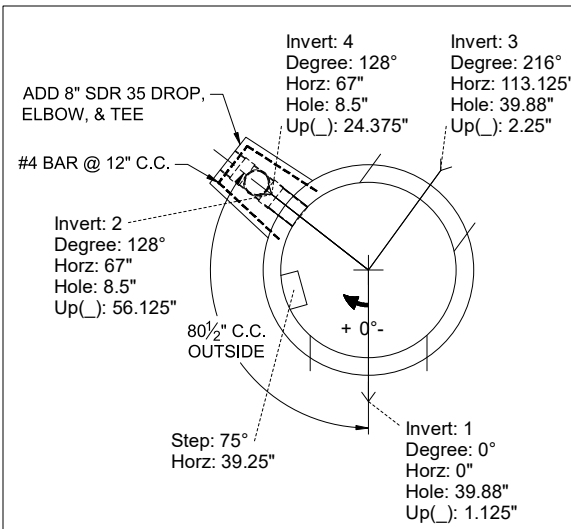
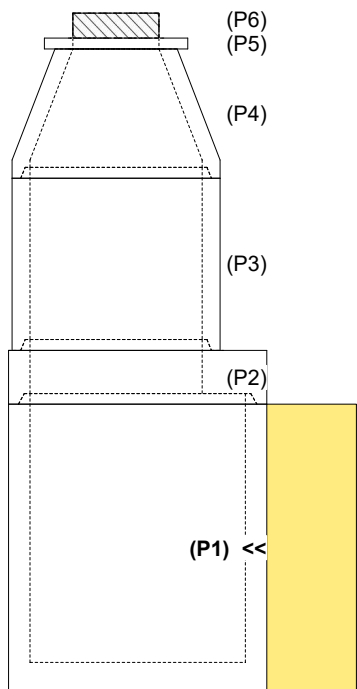
SECOND POUR (DROP): 3,440 LBS

Rim: 760.2' Rim to Invert: 14.96' Slack: 1.52" Sump: 3" Step Position: 75°

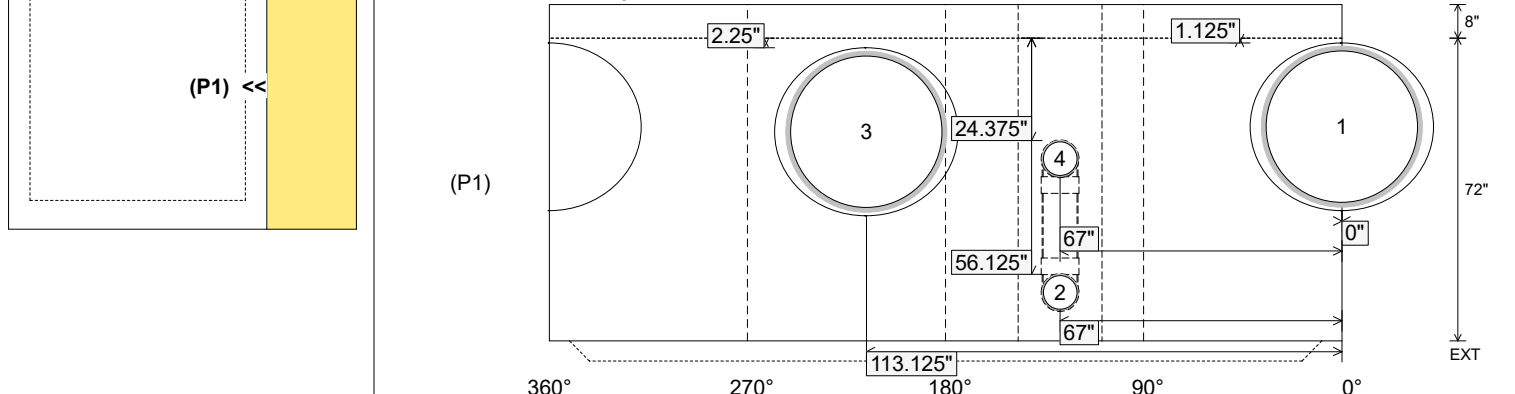
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	745.24'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	749.69'	128°	80.375"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.529"	56.125"	0"
Invert 3	745.34'	216°	135.75"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 4	747.04'	128°	80.375"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 72"
Height (Ext): 80"

Weight (Net): 8838 lb
Volume (Net): 2.26cu.yd

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

Plant: 100

Tech: J. Horsley - A

3/20/2026 1:21:53 PM

PC: Celina Goff



Structure ID: 2301565

P1 MH060DPVF

MH BASE w/DROP Custom Ht T/n

- P6) 24" - CASTING HEIGHT - 7"
- P5) 24" - GRADE RING F/F - 3"
- P4) 48" - CON CONE w/24" HOLE F/G - 36"
- P3) 48" - MH RISER T/G - 48"
- P2) 60" - MH Transition Slab 48" Hole T/G - 15"
- P1) 60" - MH BASE w/DROP Custom Ht T/n - 72"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 1) SECONDARY POUR - Add Exterior Drop to Base (P1)
- 1) 60" - Conseal CS-102 1.00" (Double)
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 13) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 202 lb
- 2252 lb
- 3353 lb
- 2204 lb
- 8838 lb
- 2692 lb
- 3440 lb
- 0 lb
- 0 lb
- 2 lb
- 0 lb
- 0 lb
- 0 lb
- 0 lb

- Structure Notes:
1. PER ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT:
 - WALLS: PER ASTM A615 - DOUBLE MAT
 - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 75 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS
 7. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST

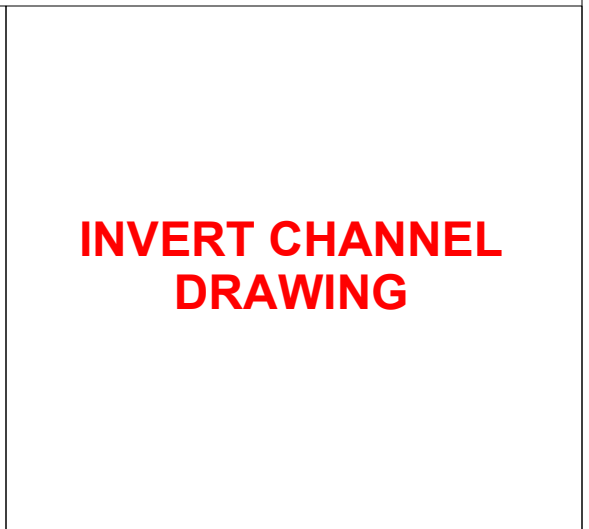
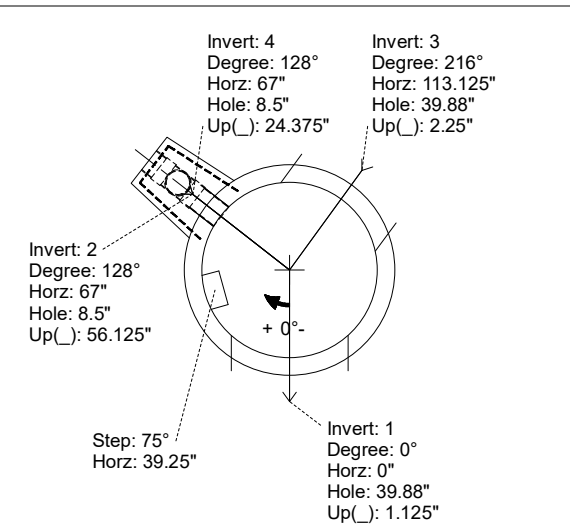
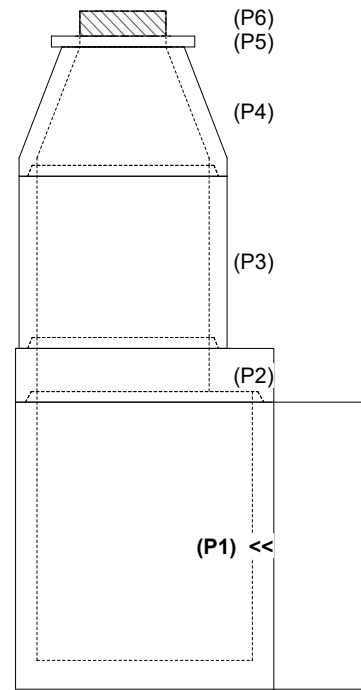
Structure Total: 22984 lb

Rim: 760.2' Rim to Invert: 14.96' Slack: 1.52" Sump: 3" Step Position: 75°

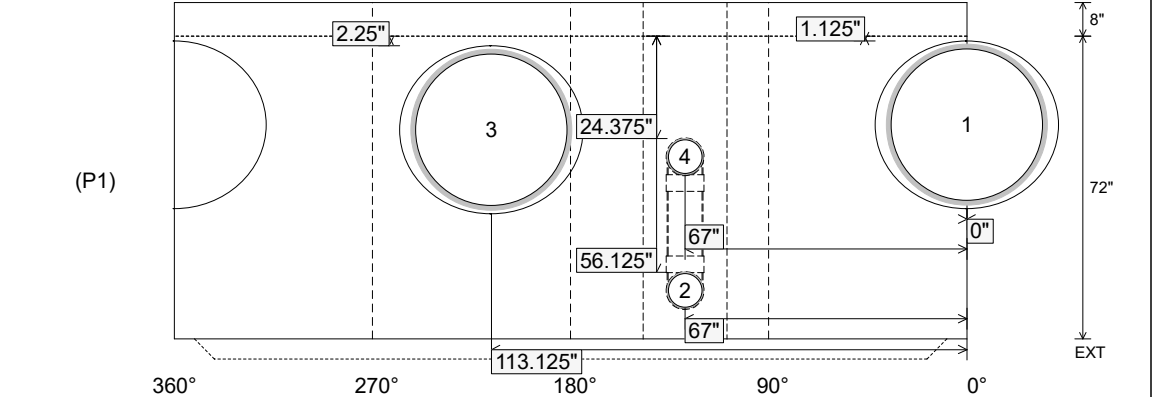
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1	745.24'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	749.69'	128°	80.375"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.529"	56.125"	0"
Invert 3	745.34'	216°	135.75"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 4	747.04'	128°	80.375"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 72" Height (Ext): 80"	Weight (Net): 8838 lb Volume (Net): 2.26cu.yd
----------------------------------	---------------------------------	--	--	--

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

Plant: 100

3/27/2026 11:40:52 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301565

P2 MH060TS15-48ECC

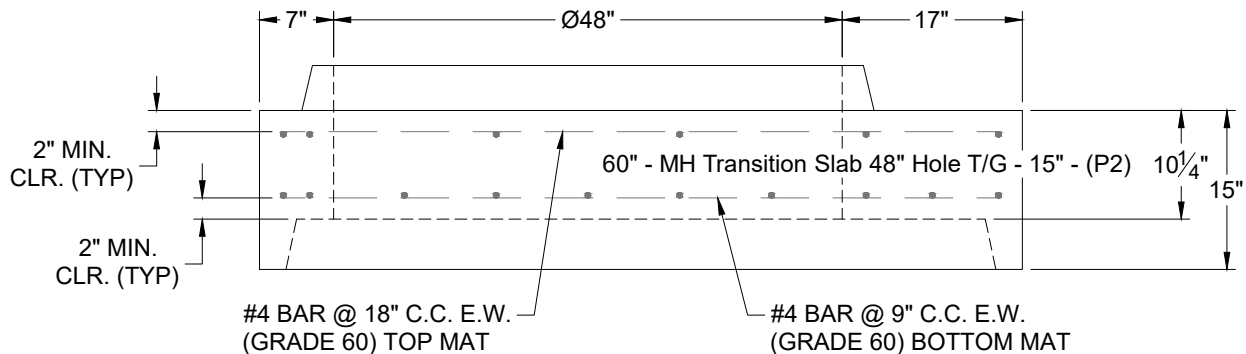
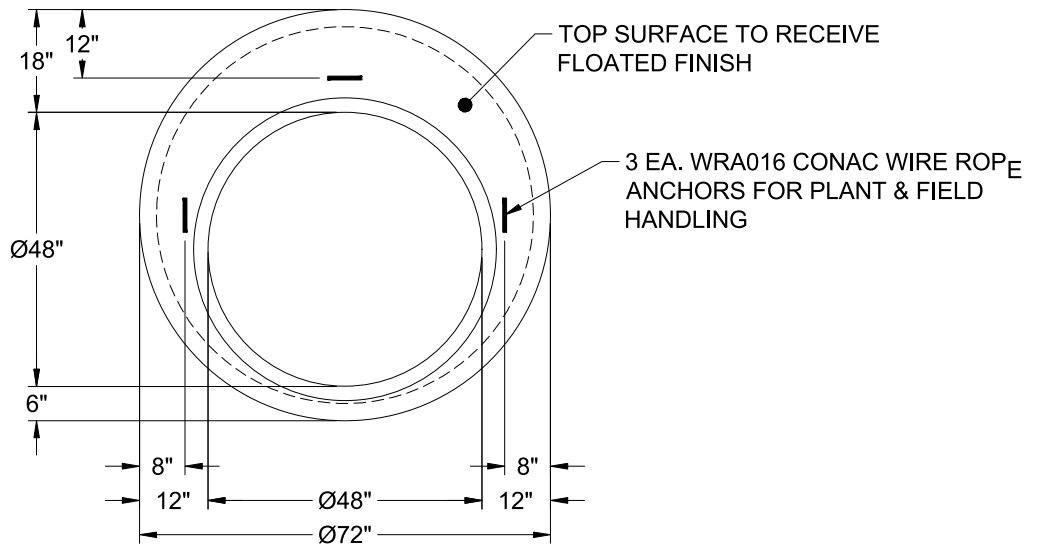
MH Transition Slab 48" Hole T/G

- P6) 24" - CASTING HEIGHT - 7"
- P5) 24" - GRADE RING F/F - 3"
- P4) 48" - CON CONE w/24" HOLE F/G - 36"
- P3) 48" - MH RISER T/G - 48"
- P2) 60" - MH Transition Slab 48" Hole T/G - 15"
- P1) 60" - MH BASE w/DROP Custom Ht T/n - 72"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 1) SECONDARY POUR - Add Exterior Drop to Base (P1)
- 1) 60" - Conseal CS-102 1.00" (Double)
- 2) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 13) MH Step ML-10-TDS-NCR - 10"

0 lb
 202 lb
 2252 lb
 3353 lb
 2204 lb
 8838 lb
 2692 lb
 3440 lb
 0 lb
 0 lb
 2 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 22984 lb

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



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 15"

Weight (Net): 2204 lb
 Volume (Net): 0.56cu.yd

Job Name: 26-1227 - Project Colt
 Job Location: Evansville, IN
 Contractor: Russell's Excavating

Plant: 100
 5/12/2026 11:30:56 AM

Tech: Jared - F
 PC: A. Chambers



Structure ID: 107-17 MHK

P2 MH072LD10-24X36RECT

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

- P3) 24" x 36" - CASTING HEIGHT - 4"
- P2) 72" - MH FLAT TOP w/24"x36" Hole F/F - 10"
- P1) 72" - MH BASE Custom Ht F/n - 82"
- 1) CASTING - HOE 518 F/G
- 1) 72" - Conseal CS-102 1.00"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 50
- 2) Hole - 6
- 7) MH Step ML-10-TDS-NCR - 10"

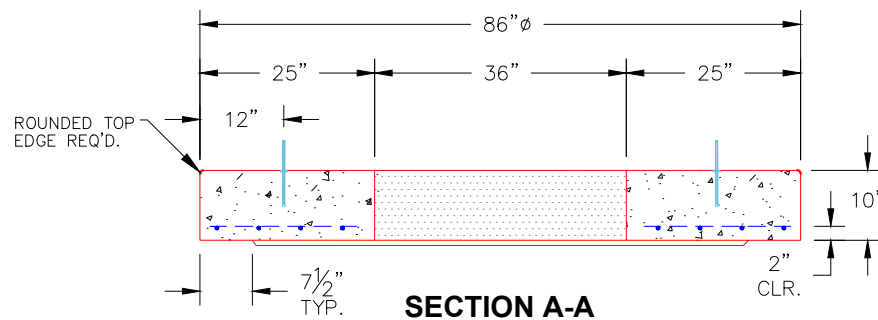
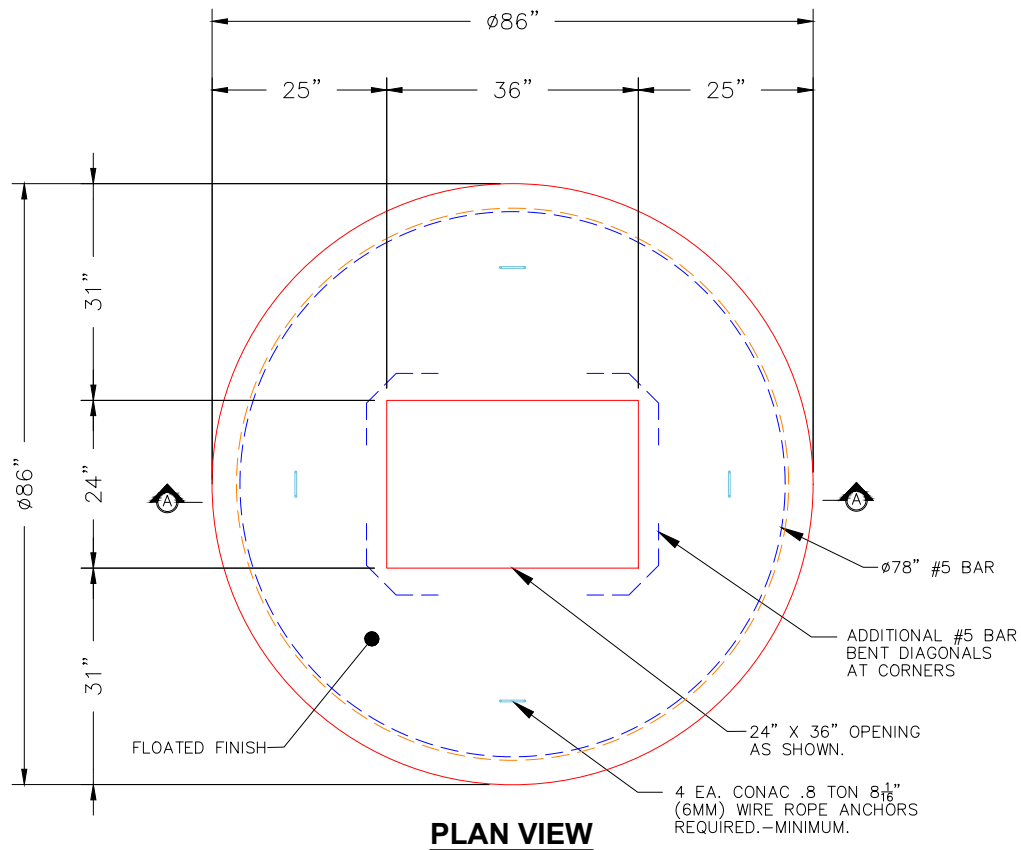
0 lb
 4149 lb
 13314 lb
 354 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

Structure Total: 17818 lb

Structure Notes:

1. INDOT MH TYPE K / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 518 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.



NOTES:

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

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 7"

Height (Ext): 10"

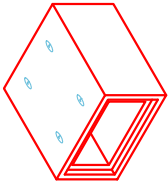
Weight (Net): 4149 lb
 Volume (Net): 1.06cu.yd



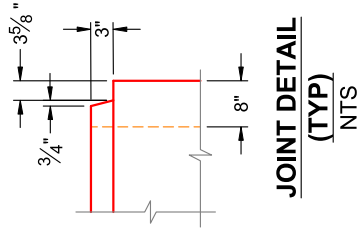
Structure ID: BC 4 x 2 (PC 13)

P1 BC048024-08WLF

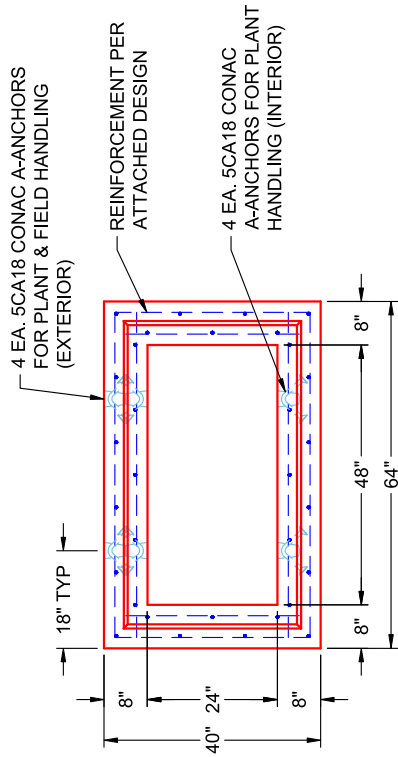
BOX CULVERT (08W/08F/08T) No Haunch G/T



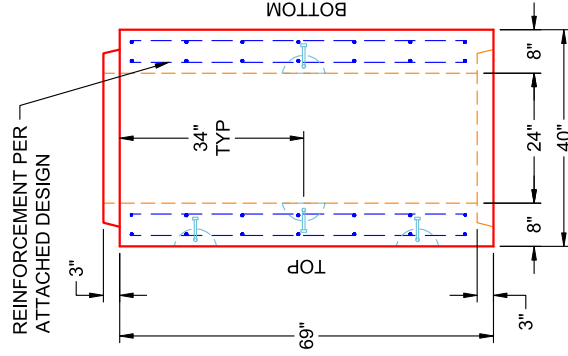
COMPONENT ISOMETRIC VIEW



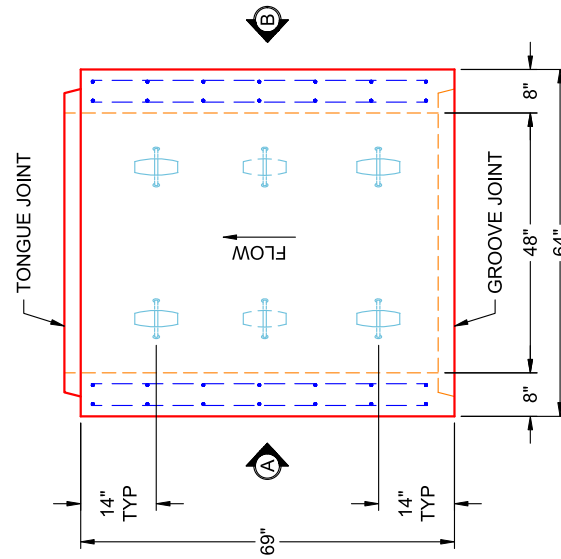
JOINT DETAIL (TYP) NTS



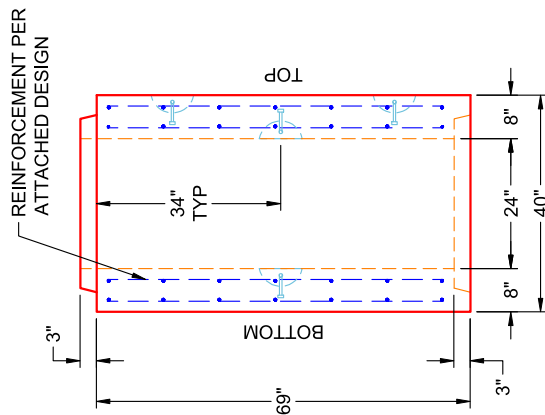
END VIEW TYPICAL



VIEW B PC 13 (UPRIGHT IN MOLD)



PLAN VIEW PC 13 (UPRIGHT IN MOLD)



VIEW A PC 13 (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

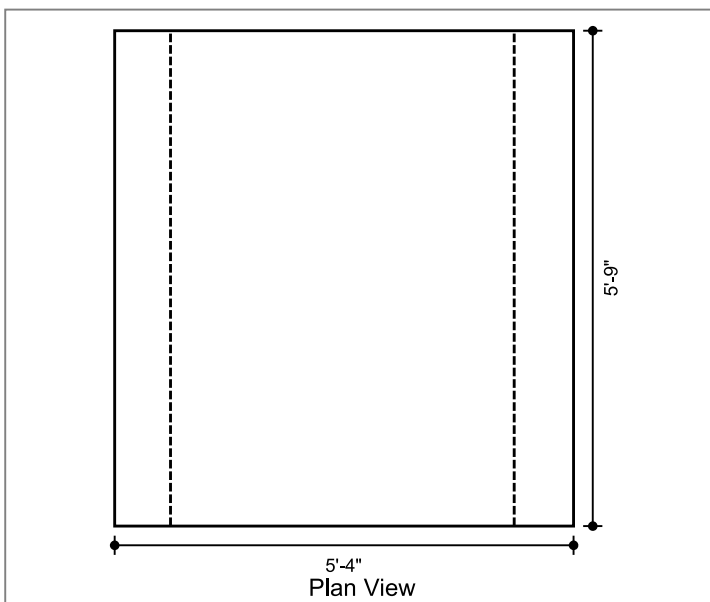
Project : Alcoa Outfall
 Task :
 Job No. : 25-2073

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

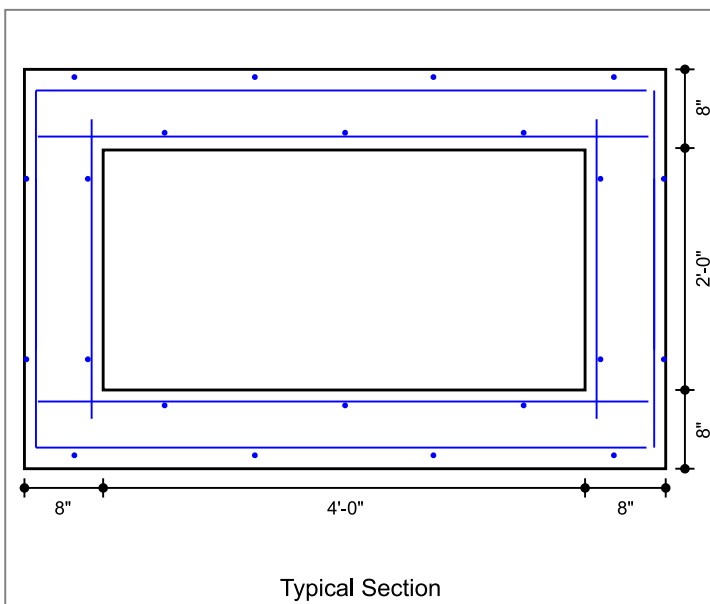
Concrete
 Strength, f_c: 5.000 ksi
 Density: 0.150 kcf
 Elasticity, E_c: 3834 ksi
 Type: Normal wt

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

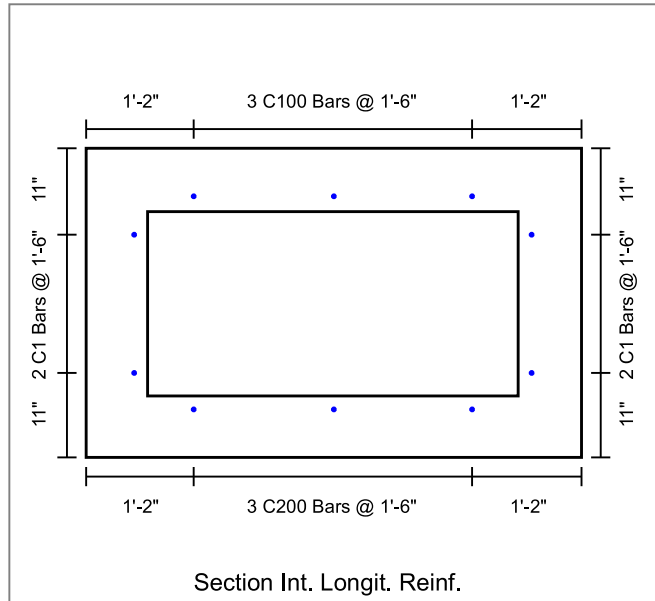
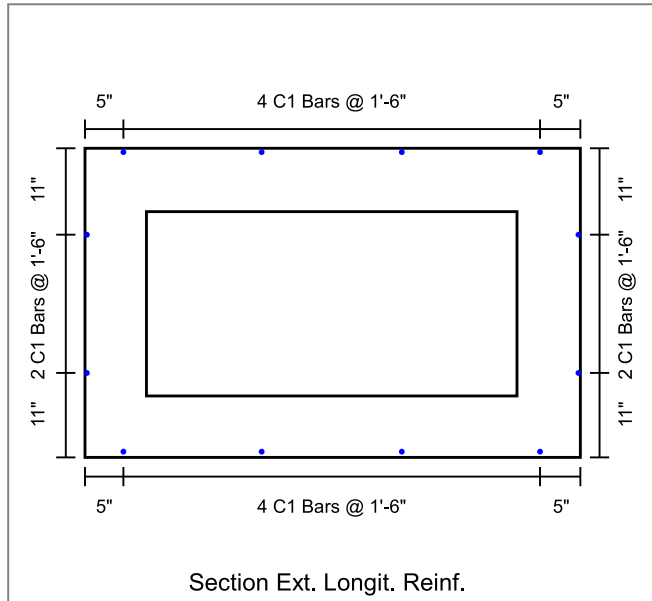
File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

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

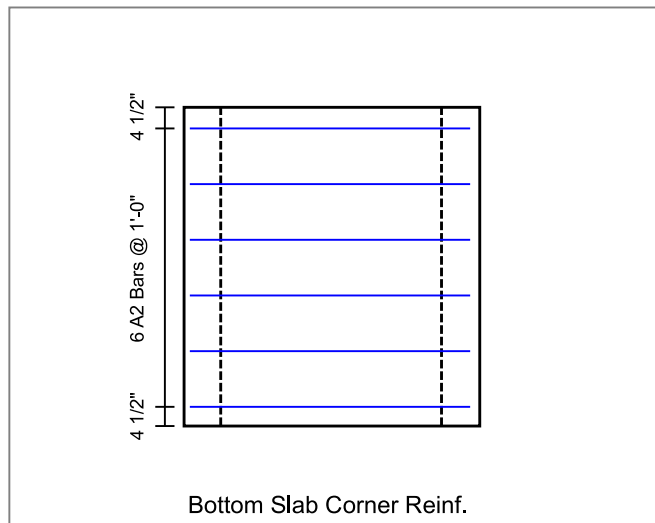
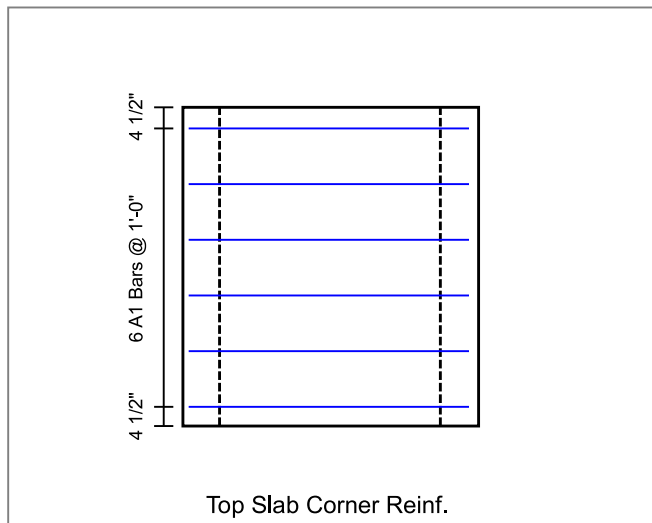
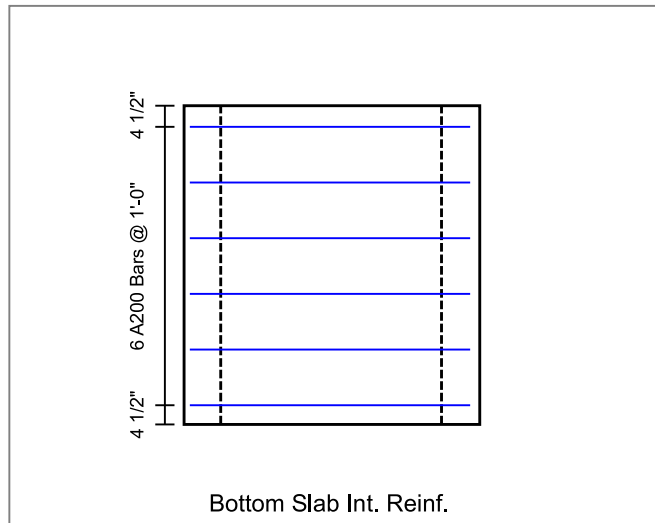
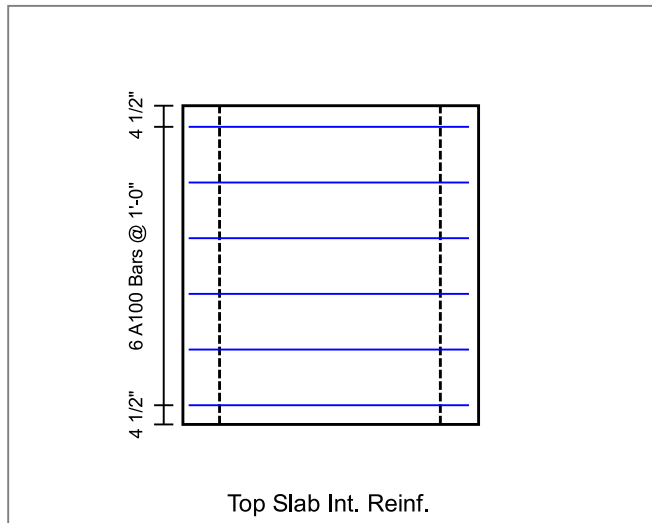
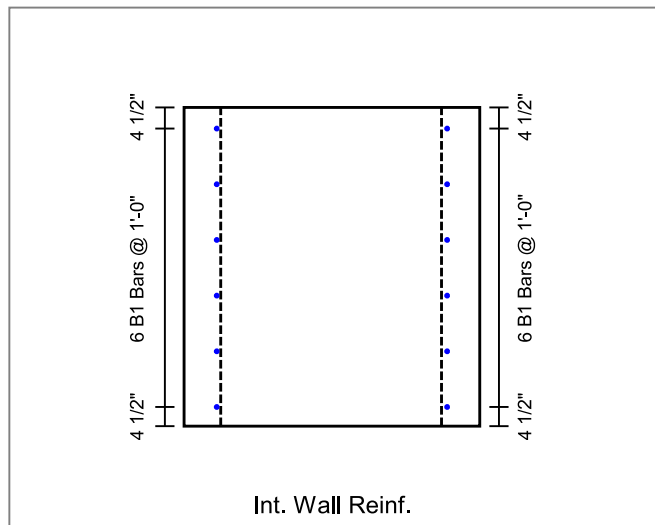
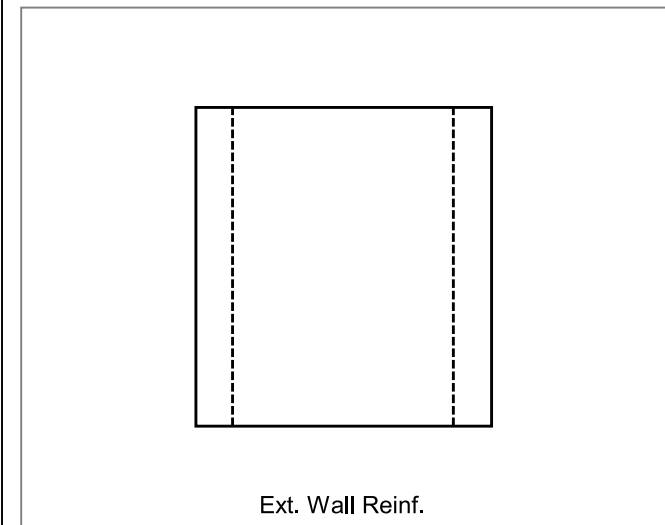
Project : Alcoa Outfall

Client: Bowen Engineering Co

Task :

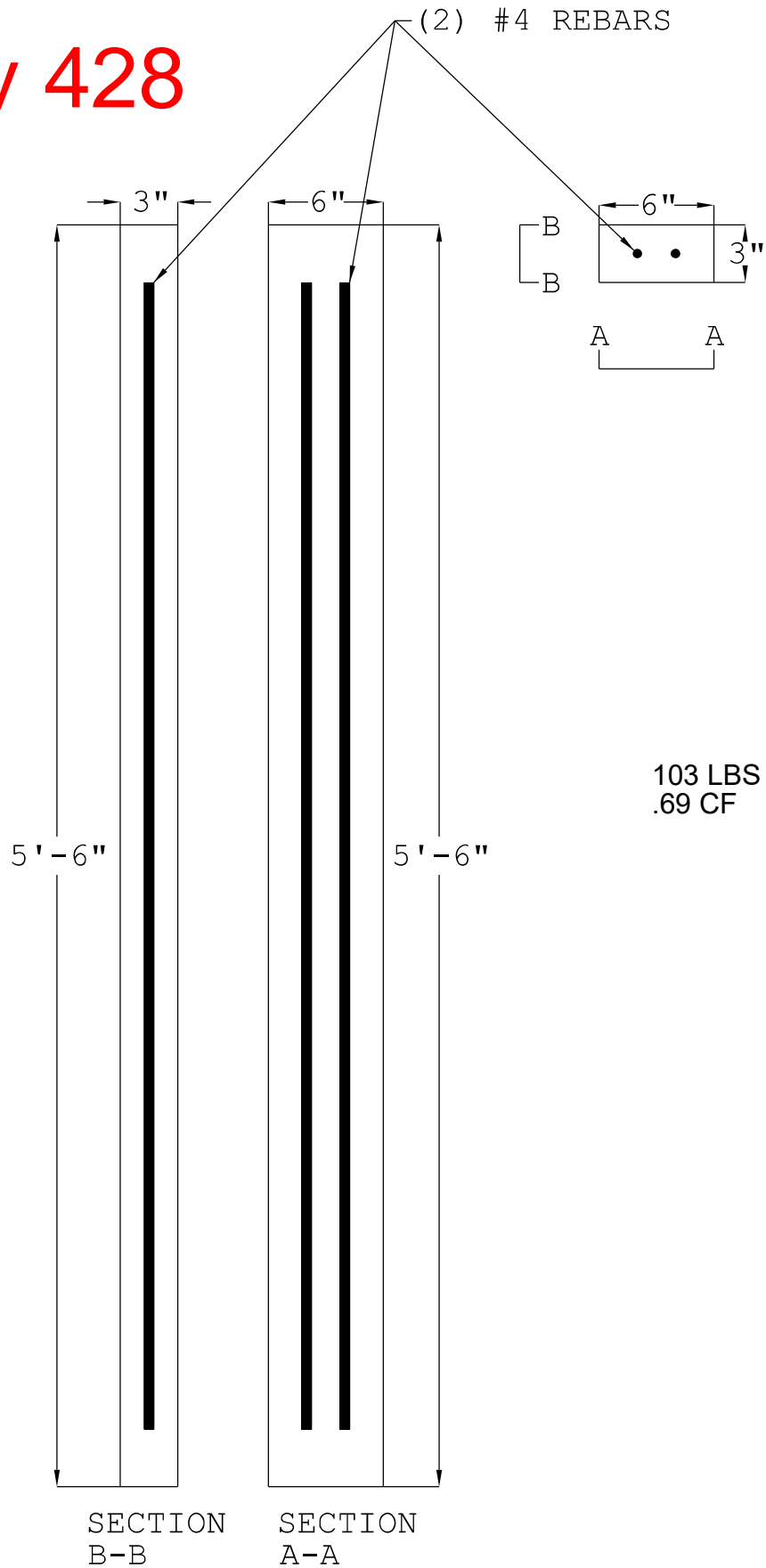
File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

Page 3 of 3



ALCOA CONCRETE LOGS

Quantity 428



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

Plant: Beaver Dam, Ky.
 5/20/2026 9:14:59 AM

Tech: J. Coppage
 PC: J. Jarvis



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

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

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

1396 lb
 3268 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 4664 lb

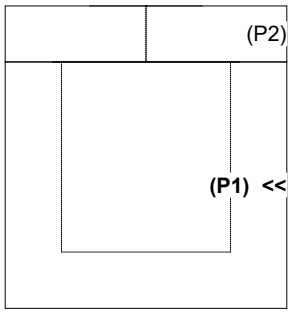
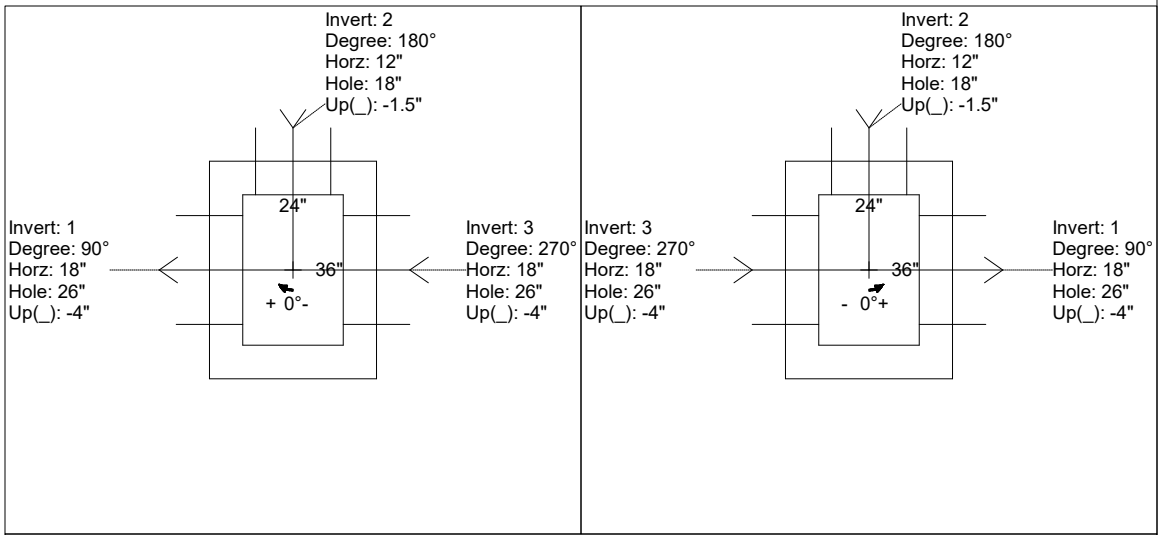
Structure Notes:
 -KYTC STATE PROJECT 251007
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
 -KYTC CERTIFICATIONS REQUIRED.

Rim: 588' Rim to Invert: 2.94' Slack: 0.28" Sump: 0" Step Position:

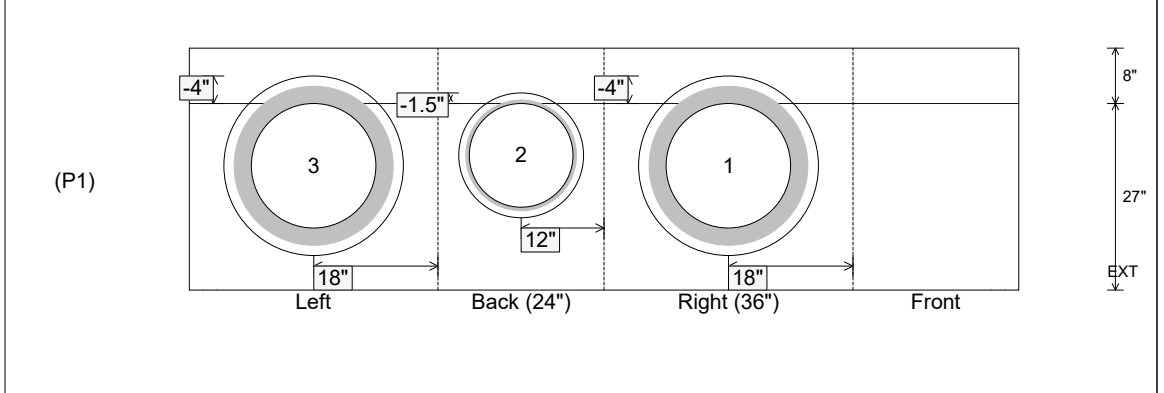
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	585.06'	90°	26"	18" RCP B WALL	23"	Hole 26	26"	26"	-4"	0"
Invert 2	585.06'	180°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"
Invert 3	585.06'	270°	26"	18" RCP B WALL	23"	Hole 26	26"	26"	-4"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 27" Height (Ext): 35"	Weight (Net): 3268 lb Volume (Net): 0.84cu.yd
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Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:09:02 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: CI-D3

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 - 34"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 20

0 lb
 4641 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 5083 lb

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

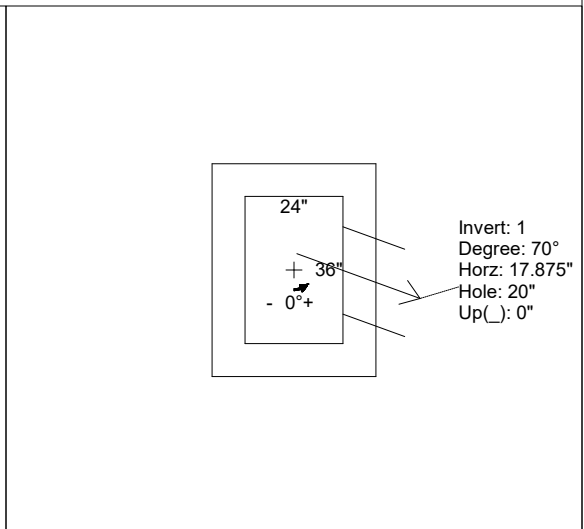
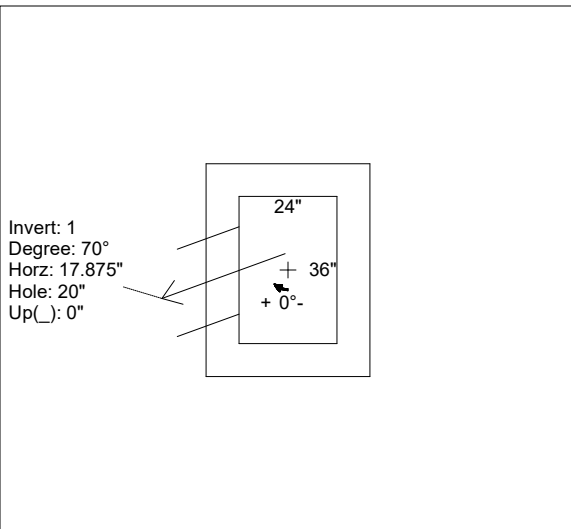
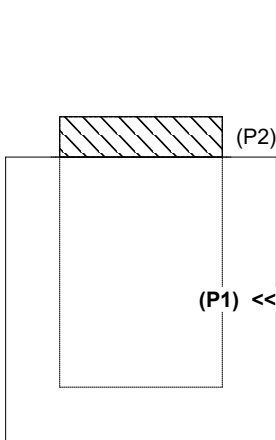
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 884.95' Rim to Invert: 3.39' Slack: 1.93' Sump: 1.25' Step Position:

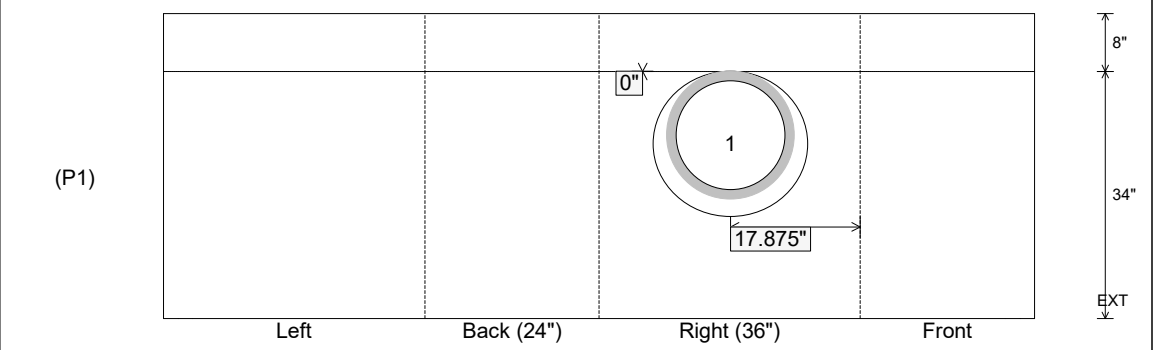
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	881.56'	70°	23"	15" HDPE	17.6"	Hole 20	20"	21.284"	0"	4"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 34"
 Height (Ext): 42"

Weight (Net): 4641 lb
 Volume (Net): 1.18cu.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-A5

P1 BX2436-08BA42

BOX BASE 8inW, 8inF F/n

- P2) 24" x 36" - CASTING HEIGHT - 6"
- P1) 24" x 36" - BOX BASE 8inW, 8inF F/n - 42"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 16

0 lb
 5547 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 5989 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)).

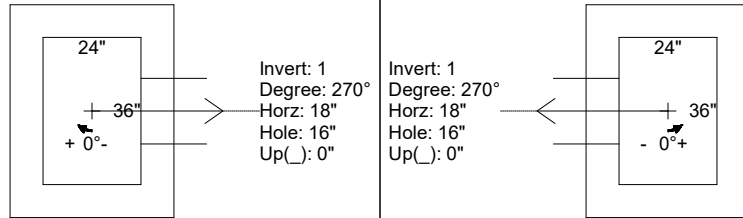
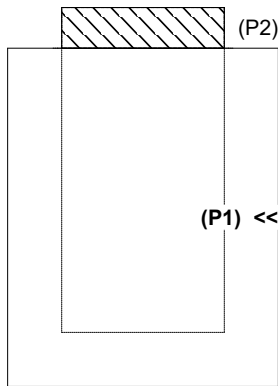
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 891.25' Rim to Invert: 4.06' Slack: 1.97' Sump: 1.25" Step Position:

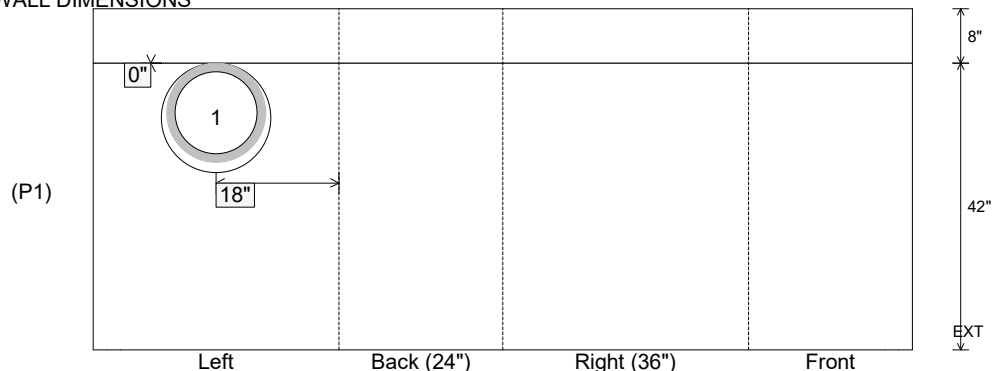
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	887.19'	270°	26"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

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

Weight (Net): 5547 lb
 Volume (Net): 1.42cu.yd

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

Plant: 100

Tech: Jared - F

5/14/2026 1:08:56 PM

PC: T. Lewis



Structure ID: CI-A3

P1 BX2436-08BVF

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

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

0 lb
 6639 lb
 442 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 7081 lb

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

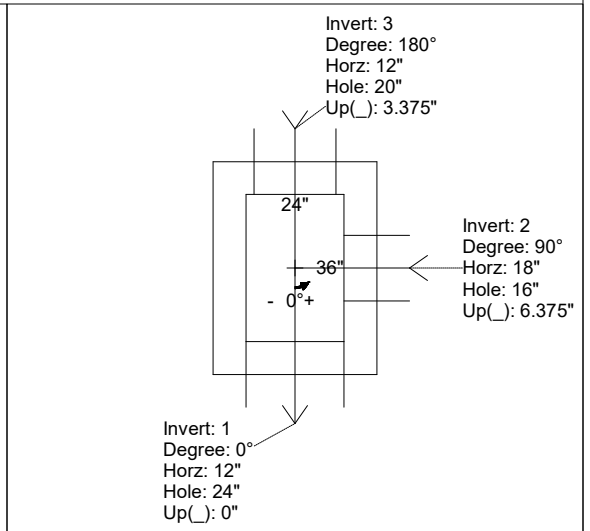
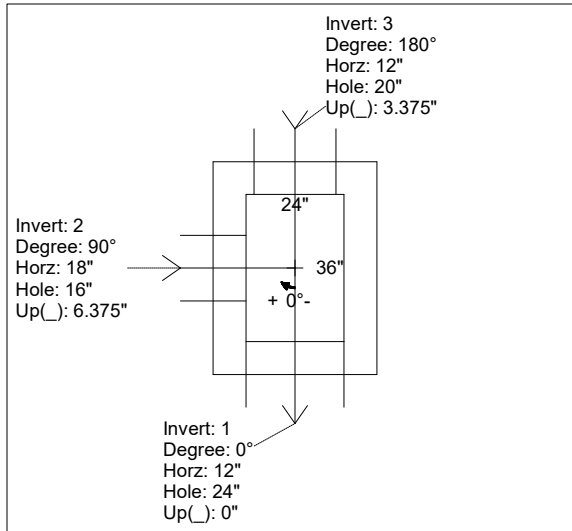
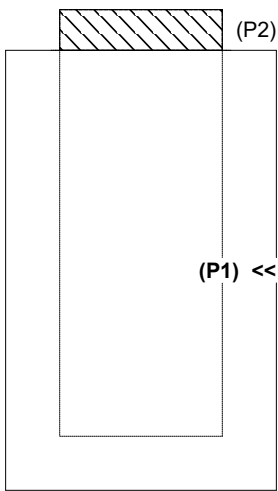
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

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

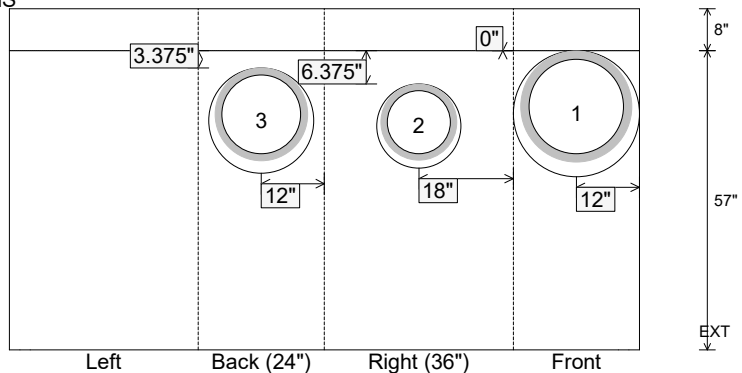
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	883.79'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"
Invert 2	884.29'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	6.375"	0"
Invert 3	884.04'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	3.375"	0"
Invert 4										
Invert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

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

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

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

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:07:27 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: AD1

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
7554 lb
0 lb
1500 lb
0 lb

Structure Total: 9054 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)).

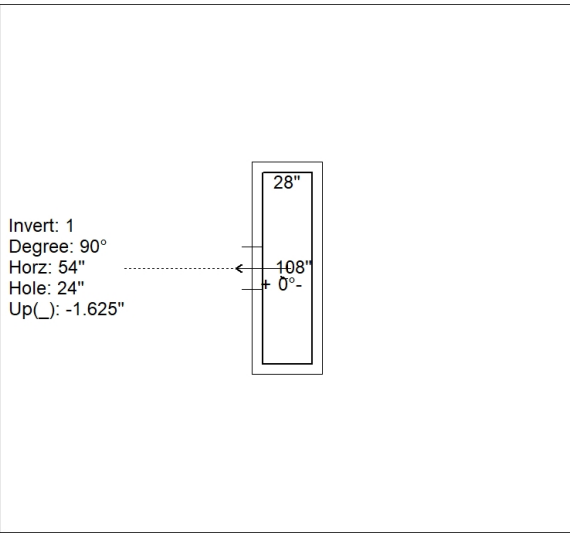
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 509.92' 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	506.42'	90°	60"	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										

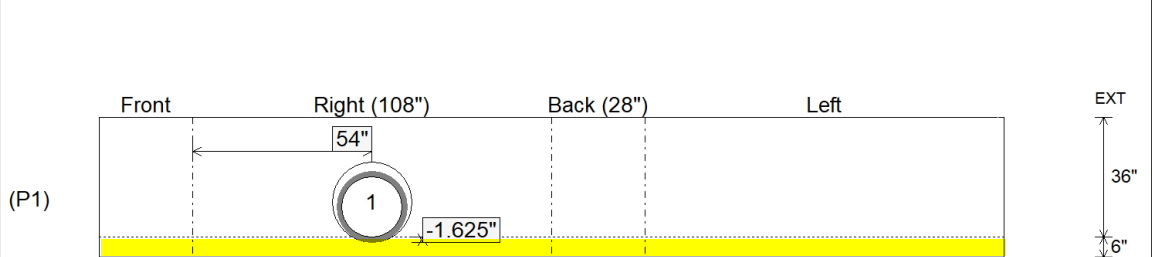
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



1ST POUR (FLOOR) = 2,417 LBS
 2ND POUR (WALLS) = 5,123 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): 7554 lb Volume (Net): 1.93cu.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 3:07:27 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: AD1

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
7554 lb
0 lb
1500 lb
0 lb

Structure Total: 9054 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)).

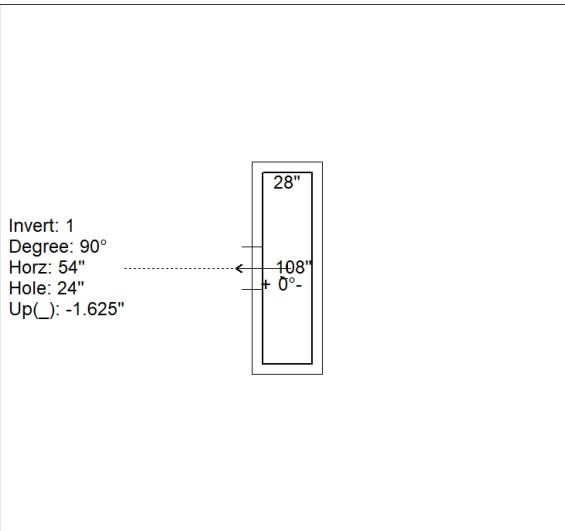
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 509.92' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

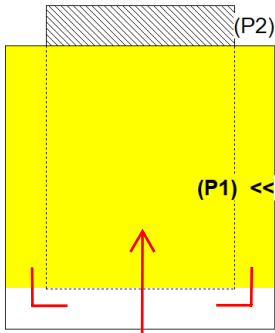
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	506.42'	90°	60"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

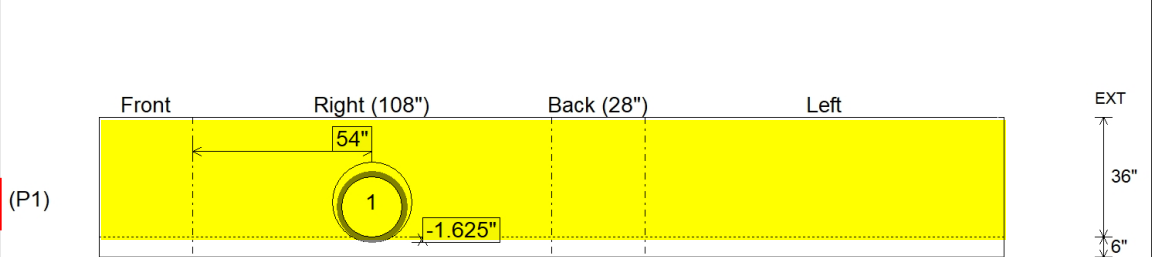


1ST POUR (FLOOR) = 2,417 LBS
 2ND POUR (WALLS) = 5,123 LBS



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): 7554 lb Volume (Net): 1.93cu.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 3:05:28 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: AC

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
7554 lb
0 lb
1500 lb
0 lb

Structure Total: 9054 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.

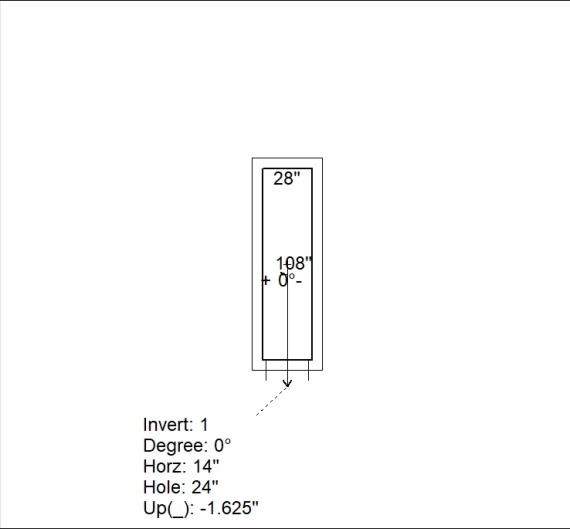
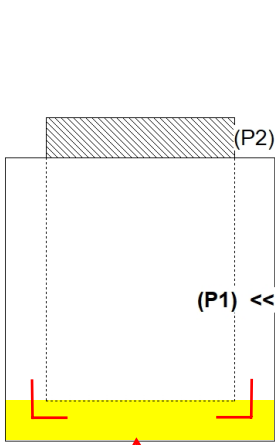
Rim: 516.29' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	512.79'	0°	20"	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										

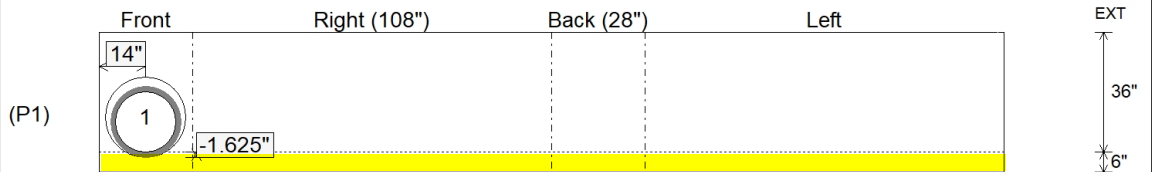
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

1ST POUR (FLOOR) = 2,417 LBS
 2ND POUR (WALLS) = 5,123 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): 36"	Weight (Net): 7554 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 42"	Volume (Net): 1.93cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:05:28 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: AC

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
7554 lb
0 lb
1500 lb
0 lb

Structure Total: 9054 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.

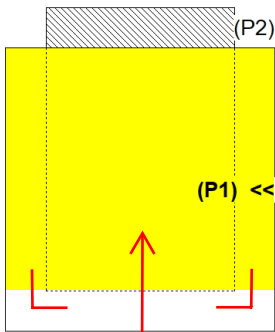
Rim: 516.29' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	512.79'	0°	20"	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										

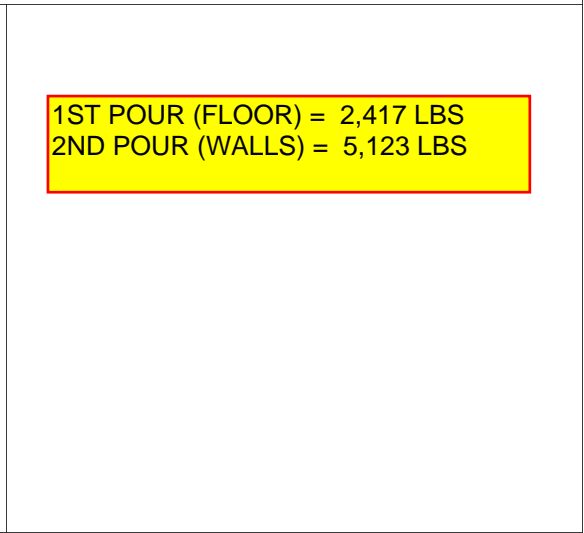
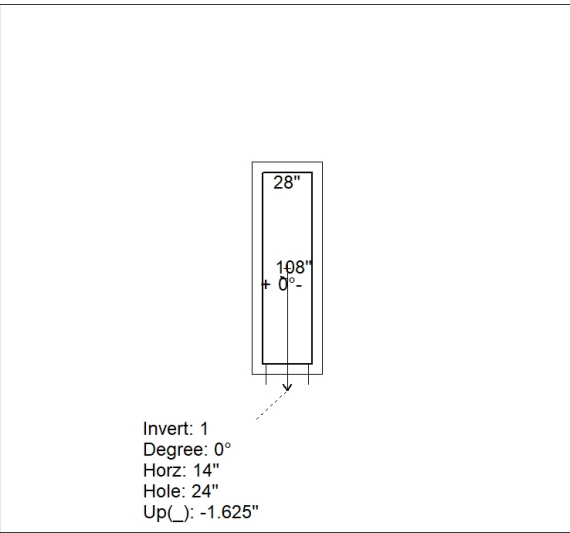
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

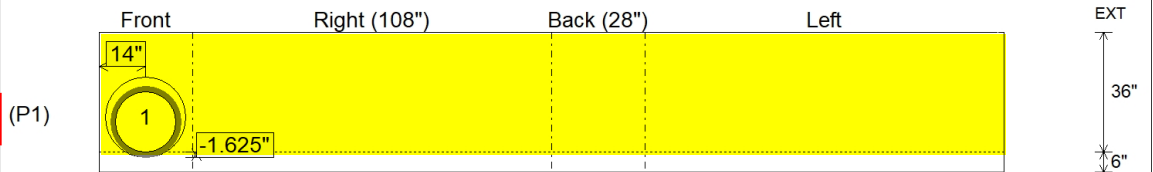
1ST POUR (FLOOR) = 2,417 LBS
 2ND POUR (WALLS) = 5,123 LBS



2ND POUR (WALLS)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Int): 36"	Weight (Net): 7554 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 42"	Volume (Net): 1.93cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/17/2025 5:01:56 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: S

P1 BX36108-06W06F-BAVF

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

P3) 28" x 28" - CASTING HEIGHT (CI TRPL) - 6"	0 lb
P2) 36" x 108" - BX FLAT LID 6inW w/(3) 28"x28" HOLES F/F - 8"	1425 lb
P1) 36" x 108" - BOX BASE 6inW, 6inF, Variable Ht F/n - 44"	8812 lb
1) Conseal CS-102 1.00" (Single)	0 lb
3) CASTING - JBS 3080-V SET (F/G/H)	1500 lb
1) 28" x 28" - Conseal CS-102 1.00"	0 lb
2) Hole - 38	0 lb
Structure Total:	11737 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).

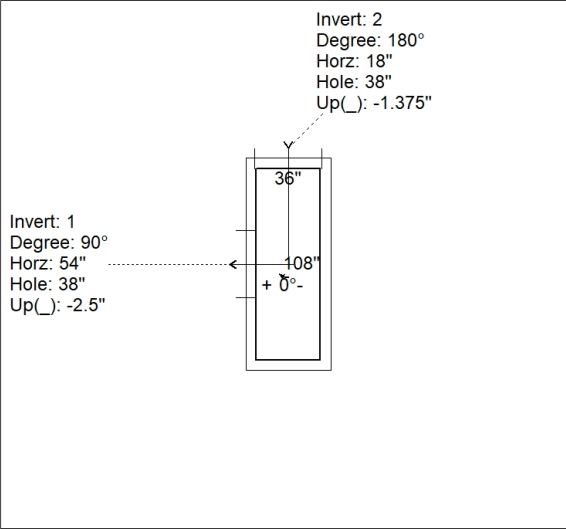
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 499.86' Rim to Invert: 4.84' Slack: 0.08" Sump: 0" Step Position:

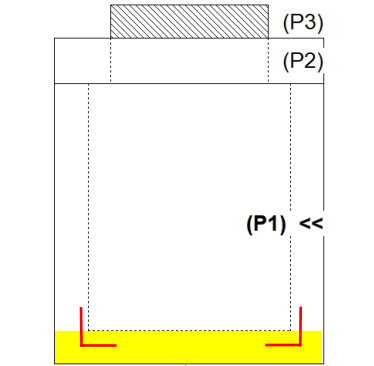
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	495.02'	90°	60"	30" HDPE	35.1"	Hole 38	38"	38"	-2.5"	0"
Invert 2	495.12'	180°	24"	30" HDPE	35.1"	Hole 38	38"	37"	-1.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

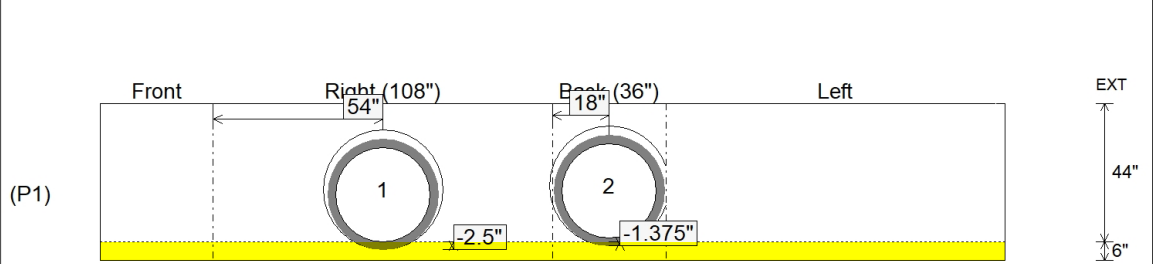
UPSIDE-DOWN VIEW (int. dimenions)



1ST POUR (FLOOR) = 2,900 LBS
2ND POUR (WALLS) = 5,912 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): 44"	Weight (Net): 8812 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 50"	Volume (Net): 2.25cu.yd

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/17/2025 5:01:56 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: S

P1A BX36108-06W06F-BAVF

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

P3) 28" x 28" - CASTING HEIGHT (CI TRPL) - 6"	0 lb
P2) 36" x 108" - BX FLAT LID 6inW w/(3) 28"x28" HOLES F/F - 8"	1425 lb
P1) 36" x 108" - BOX BASE 6inW, 6inF, Variable Ht F/n - 44"	8812 lb
1) Conseal CS-102 1.00" (Single)	0 lb
3) CASTING - JBS 3080-V SET (F/G/H)	1500 lb
1) 28" x 28" - Conseal CS-102 1.00"	0 lb
2) Hole - 38	0 lb
Structure Total:	11737 lb

Structure Notes:

- PER ASTM C913 SPECIFICATIONS.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- NO STEPS AND NO INVERT CHANNEL.
- CASTING BY I-CAST (3 ea. - JBS 3080-V SET F/G/H).

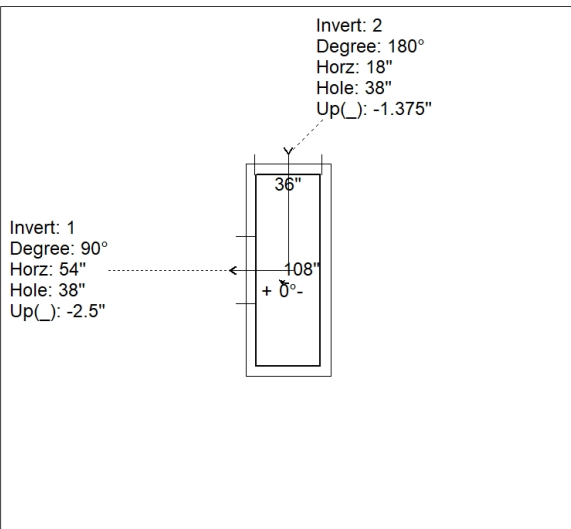
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 499.86' Rim to Invert: 4.84' Slack: 0.08" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	495.02'	90°	60"	30" HDPE	35.1"	Hole 38	38"	38"	-2.5"	0"
Invert 2	495.12'	180°	24"	30" HDPE	35.1"	Hole 38	38"	37"	-1.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

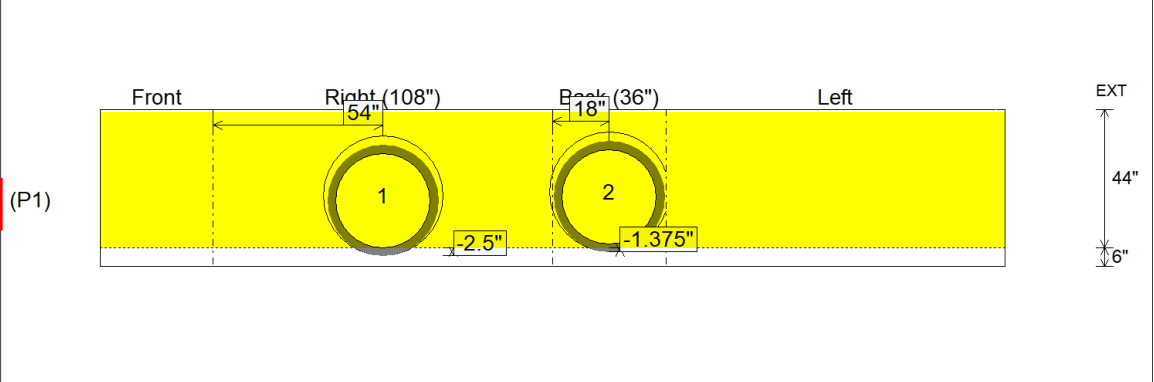
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



1ST POUR (FLOOR) = 2,900 LBS
2ND POUR (WALLS) = 5,912 LBS

INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Int): 44"	Weight (Net): 8812 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 50"	Volume (Net): 2.25cu.yd

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

Plant: 100

5/20/2026 11:09:08 AM

Tech: Jared - A

PC: M. Sullivan



Structure ID: 1 GT2500

P2 BX072144-08LD06S

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

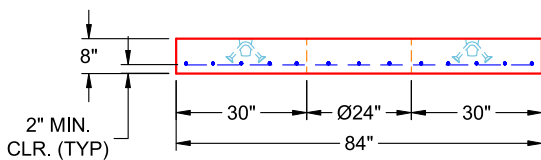
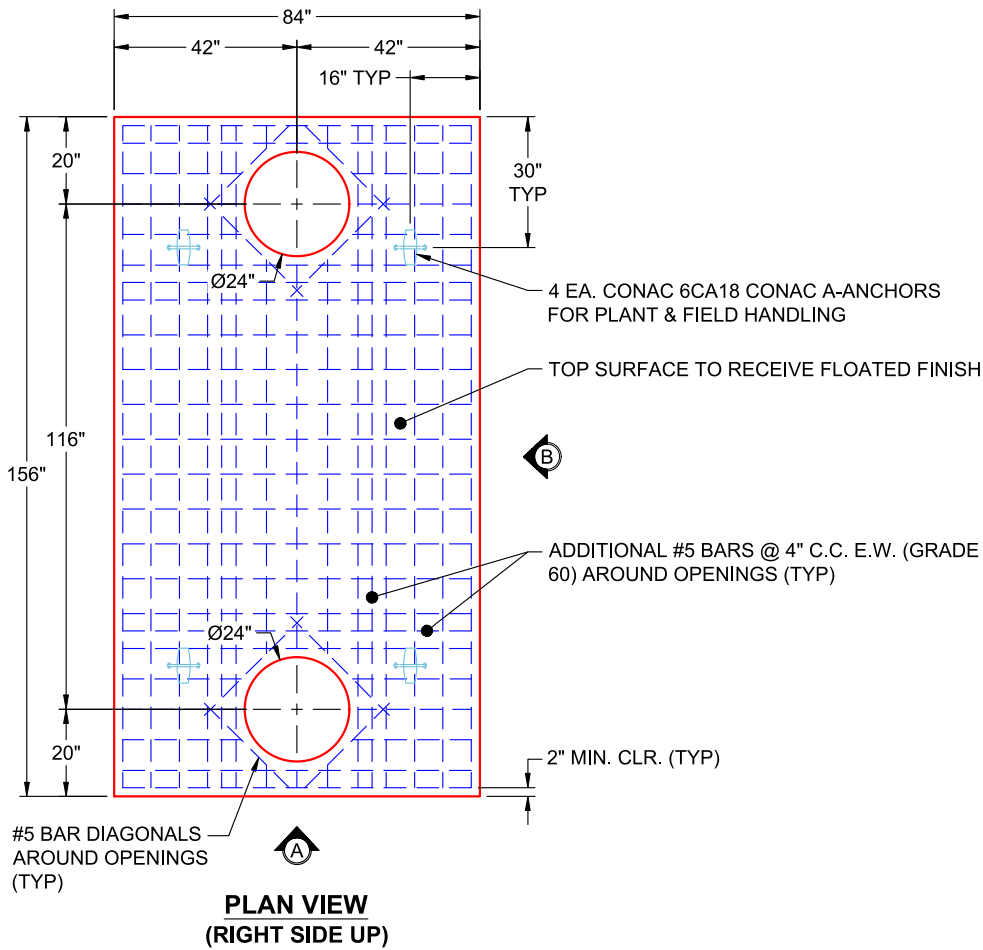
- P3) 24" - CASTING HEIGHT - 7"
- P2) 72" x 144" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"
- P1) 72" x 144" - BOX BASE 6inW, 6inF, Variable Ht F/n - 72"
- 1) SECONDARY POUR - Base Walls
- 1) SECONDARY POUR - 6" Thick Baffle Wall
- 2) CASTING - HOE MC-375 F/C Grease
- 1) 72" x 144" - Conseal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

0 lb
 8190 lb
 22925 lb
 0 lb
 2481 lb
 542 lb
 0 lb
 0 lb
 16 lb

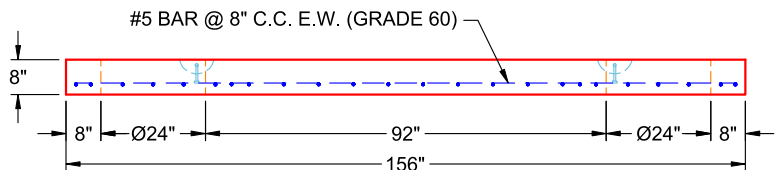
 Structure Total: 34154 lb

Structure Notes:

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



**VIEW A
(RIGHT SIDE UP)**



**VIEW B
(RIGHT SIDE UP)**

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

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