

Job Name: 26-2692 868541 Georgetown Commons Phase 2  
Job Location: Georgetown, KY  
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

6/15/2026 3:40:39 PM

Tech: S. Felletter

PC: C. Goff



## Structure ID: 15-CS-10

### P4 MH120LD18SP

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

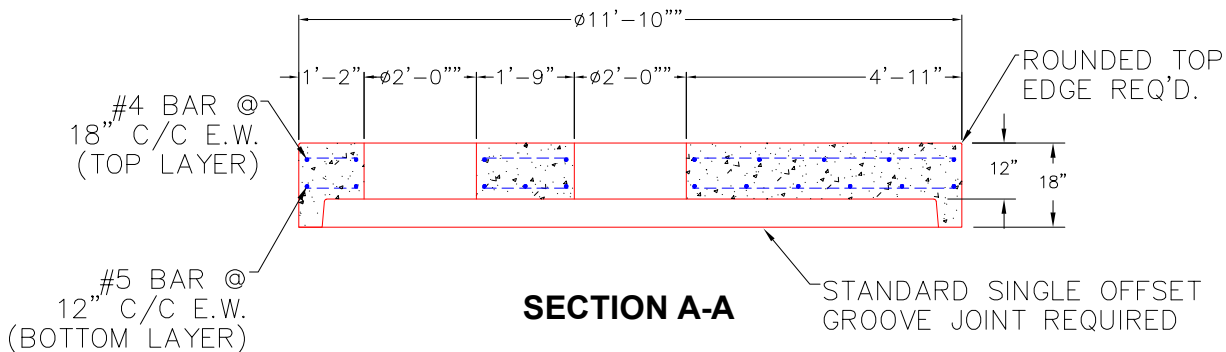
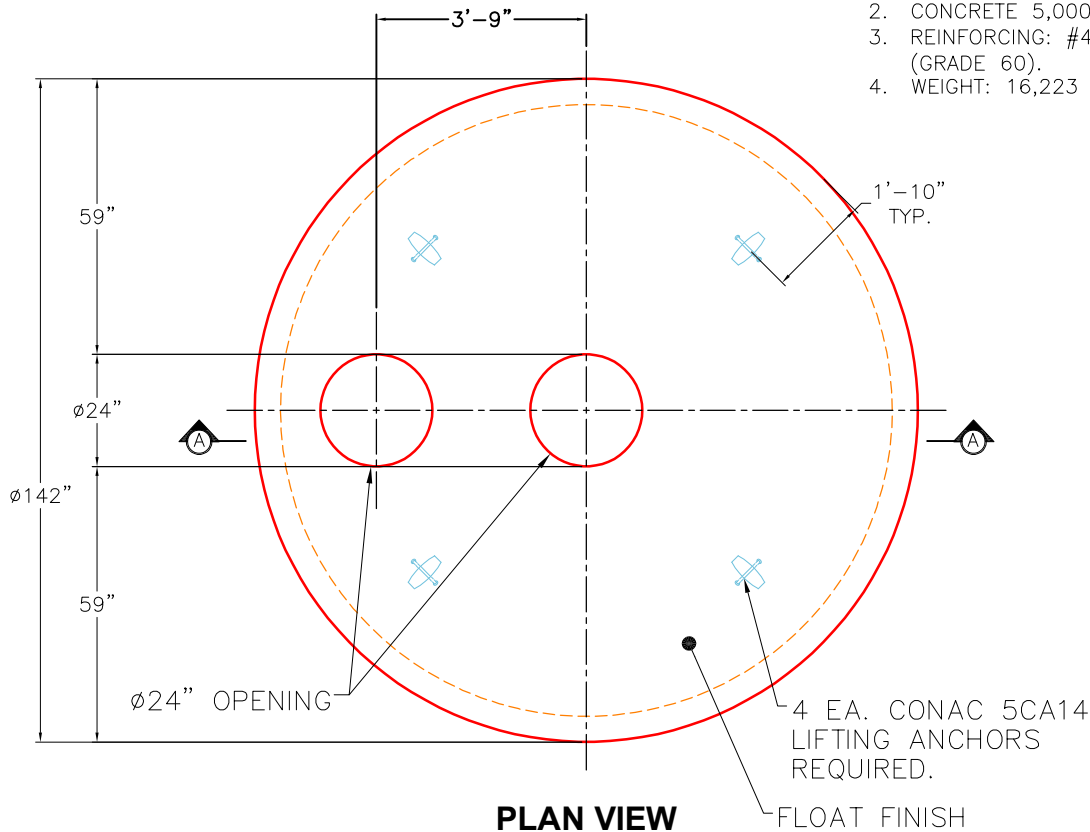
- P5) 24" - CASTING HEIGHT - 4"  
P4) 120" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18"  
P3) 120" - MH RISER T/G - 84"  
P2) 120" - MH RISER T/G - 36"  
P1) 120" - MH MONOBASE 14F, Custom Ht T/n - 36"  
1) CVSTENCILING  
1) ASSEMBLY REQUIRED - BRACKETS ONLY  
3) 120" - Conseal CS-102 1.00"  
1) 24" - Conseal CS-102 1.00"  
2) Hole - 32

0 lb  
16223 lb  
30345 lb  
13675 lb  
32280 lb  
0 lb  
0 lb  
0 lb  
0 lb  
0 lb  
Structure Total: 92523 lb

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

#### GENERAL NOTES:

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



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Groove

Wall Thickness: 11"

Height (Ext): 18"

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

Job Name: 25-4665 - Buckhorn WTP

Job Location: Hazard, KY

Contractor: Smith Contractors, Inc.

Plant: 100

4/9/2026 3:44:45 PM

Tech: J. Horsley

PC: E. Bradley



Structure ID: 54665 (4)

P7 MH144RSVF

MH RISER Custom Ht T/G

P10) 48" x 36" - HATCH (CAST FLUSH) - 0"

P9) 144" - MH FLAT TOP w/(2) 48"x36" & (1) 30"x30" Hatches F/G - 18"

P8) 144" - MH RISER Custom Ht T/G - 81"

P7) 144" - MH RISER Custom Ht T/G - 81"

P6) 144" - MH RISER Custom Ht T/G - 81"

P5) 144" - MH RISER Custom Ht T/G - 81"

P4) 144" - MH RISER Custom Ht T/G - 74"

P3) 144" - MH RISER Custom Ht T/G - 74"

P2) 144" - MH RISER Custom Ht T/F - 74"

P1) 144" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"

7) JOINT WRAP - 12" WD x 144" MAC WRAP

1) SECONDARY POUR - Intermediate Slab (In Riser P5)

1) This Structure Includes a Cast-in Item - Hatches (Supplied by Others)

4) Stainless Steel Strap - 3"W x 24"L Stainless Steel Strap

8) 144" - Conseal CS-231 1.00" (Double)

1) A-Lok - 0630

0 lb

19644 lb

43581 lb

43581 lb

43581 lb

43581 lb

39815 lb

39815 lb

39815 lb

39445 lb

0 lb

0 lb

13500 lb

0 lb

0 lb

0 lb

0 lb

1 lb

Structure Total: 326544 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,500 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. NO STEPS

5. 2 EA. HALLIDAY W1R 48" X 36" HATCHES & 1 EA. HALLIDAY W1R 30" X 30" HATCH SUPPLIED BY OTHERS - TO BE CAST INTO FLAT LID

6. LADDER SUPPLIED BY OTHERS

7. 4 EA. 3"W X 24"L STAINLESS STEEL STRAPS SUPPLIED BY ICAST

Rim: 755'

Rim to Invert: 46'

Slack: 0"

Sump: 12"

Step Position:

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

RIGHT-SIDE UP VIEW (int. dimensions)

(P10)

(P9)

(P8)

(P7) <<

(P6)

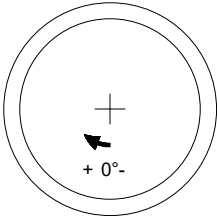
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(P4)

(P3)

(P2)

(P1)



INSIDE WALL DIMENSIONS

(P7)

0°

90°

180°

270°

360°

81"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 13"

Floor Height: 0"

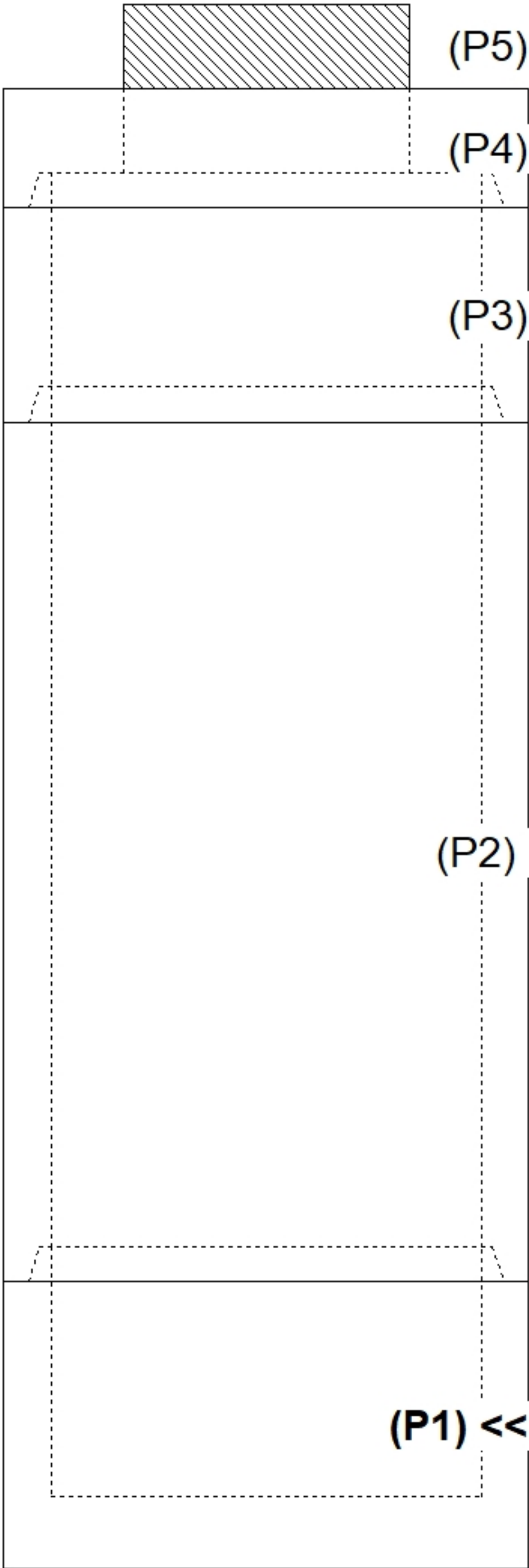
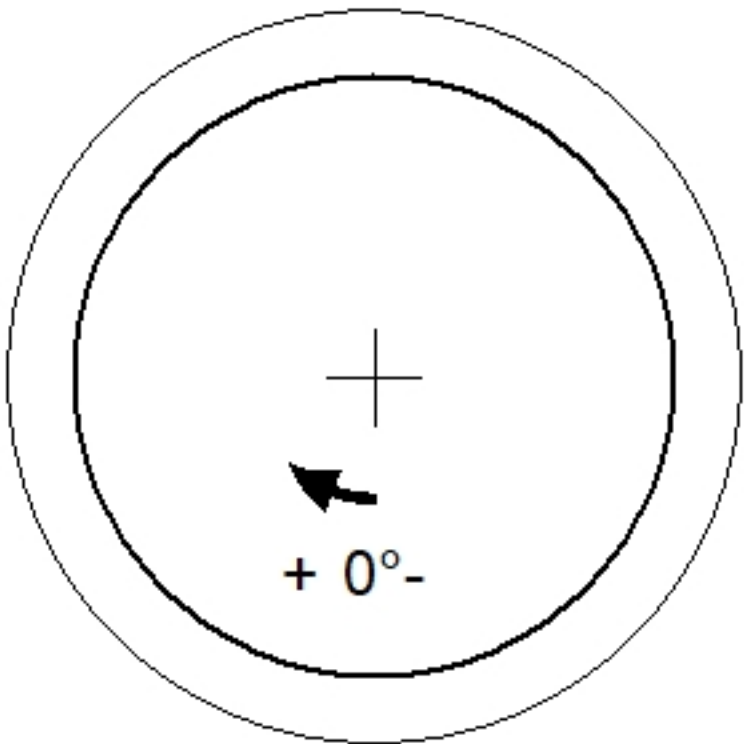
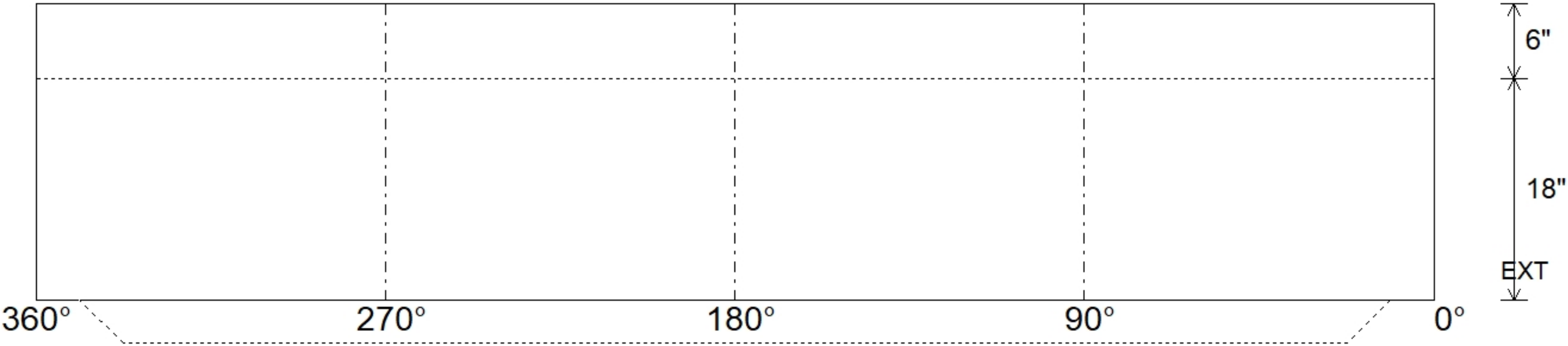
Height (Int): 81"

Height (Ext): 81"

Weight (Net): 43581 lb

Volume (Net): 11.13cu.yd



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|---------------------------------|-------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|--|--|
| Job Name: 26-2604 ADS Abound Credit Union<br>Job Location: Louisville, KY<br>Contractor: ADS Advanced Drainage Systems, Inc.                                                                                                                                                                                                                                                                                                                                            |      |           |                                 |             | Plant: Beaver Dam<br>7/7/2026 8:30:25 AM |                                                                                                                                                      | Tech: S. Felletter<br>PC: T. Ryan      |                                                                                                                                                                                                                                                                                                                                     |  |        |  |  |  |
| Structure ID: AR3PC                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| P1                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      | MH036BA18 |                                 | MH BASE T/n |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| <div>P5) 24" - CASTING HEIGHT - 7"<br/>P4) 36" - MH FLAT TOP w/ 24" Ctr. Hole F/G - 10"<br/>P3) 36" - MH RISER T/G - 18"<br/>P2) 36" - MH RISER T/G - 72"<br/>P1) 36" - MH BASE T/n - 18"<br/>1) ASSEMBLY REQUIRED<br/>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) CASTING - HOE MC-375 F/C Storm<br/>3) 36" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) Hole - 12</div> |      |           |                                 |             |                                          | <div>0 lb<br/>896 lb<br/>759 lb<br/>2937 lb<br/>1525 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>271 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>-----<br/>6388 lb</div> |                                        | <div>Structure Notes: .<br/>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. CASTING BY ICAST (HOE MC-375 F/C "STORM").<br/>.<br/>REINFORCING PER ASTM A615 (GRADE 60).<br/>- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.<br/>- RISER/WALLS (As .12)<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</div> |                                                                                    |        |  |  |  |
| Rim: 742.78' Rim to Invert: 5.92' Slack: 1" Sump: 54.96" Step Position:                                                                                                                                                                                                                                                                                                                                                                                                 |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Elev | Angle     | Ext. (cw)                       | Pipe        | Pipe OD                                  | Connector                                                                                                                                            | Hole                                   | Horz Size                                                                                                                                                                                                                                                                                                                           | Up ( )                                                                             | Offset |  |  |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |           |                                 |             |                                          |                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| RIGHT-SIDE UP VIEW (int. dimensions)                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |           |                                 |             |                                          | UPSIDE-DOWN VIEW (int. dimenions)                                                                                                                    |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                      |      |           |                                 |             |                                          |                                                                  |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| INSIDE WALL DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |           |                                 |             |                                          |                                                                  |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |           | Seam Up: Tongue<br>Seam Dn: n/a |             | Wall Thickness: 4"<br>Floor Height: 6"   |                                                                                                                                                      | Height (Int): 18"<br>Height (Ext): 24" |                                                                                                                                                                                                                                                                                                                                     | Weight (Net): 1525 lb<br>Volume (Net): 0.39cu.yd                                   |        |  |  |  |



Job Name: 25-4288 - Project Wave

Job Location: Franklin, KY 42134

Contractor: Cumberland Pipeline LLC

Plant: 100

7/10/2026 8:14:17 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: A3

P3MH048RS72X

MH RISER w/XYPEX

P7) 24" - CASTING HEIGHT - 7"

P6) 24" - XYPEX GRADE RING - 4"

P5) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"

P4) 48" - MH RISER w/XYPEX - 72"

P3) 48" - MH RISER w/XYPEX - 72"

P2) 48" - MH RISER w/XYPEX - 72"

P1) 48" - MH BASE w/XYPEX - 30"

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT

1) CASTING - JBS 1150 F/C SANITARY

4) 48" - Conseal CS-102 1.00" (Double)

2) 24" - Conseal CS-102 1.00" (Double)

2) PSX - 12-08 NYLO

23) MH Step ML-10-TDS-NCR - 10"

0 lb

270 lb

1981 lb

5030 lb

5030 lb

5030 lb

3330 lb

0 lb

0 lb

1440 lb

250 lb

0 lb

0 lb

16 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. INVERT CHANNEL REQUIRED

5. STEPS AT 0 DEGREES

6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 715.31'

Rim to Invert: 23.75'

Slack: 0"

Sump: 2"

Structure Total: 22377 lb

Step Position: 0

| 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 |      |       |           |      |         |           |      |           |          |        |

(P7)

(P6)

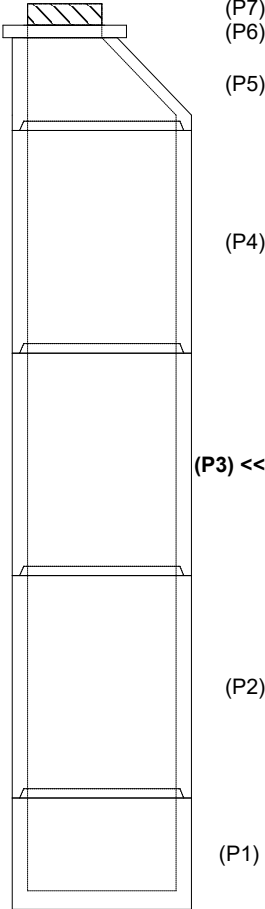
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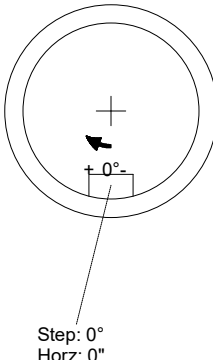
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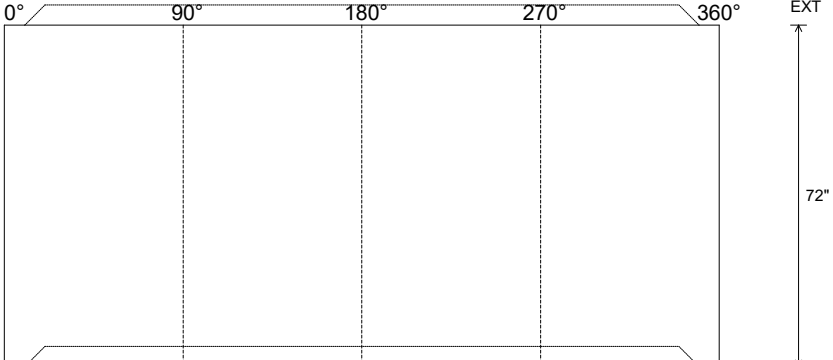
(P1)



RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

Floor Height: 0"

Height (Int): 72"

Height (Ext): 72"

Weight (Net): 5030 lb

Volume (Net): 1.28cu.yd



Job Name: 25-4288 - Project Wave

Job Location: Franklin, KY 42134

Contractor: Cumberland Pipeline LLC

Plant: 100

7/10/2026 8:14:15 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: A2

P2 MH048RS72X

MH RISER w/XYPEX

P7) 24" - CASTING HEIGHT - 7"

P6) 48" - ECC XYPEX CONE w/ 24" HOLE - 36"

P5) 48" - MH RISER w/XYPEX - 48"

P4) 48" - MH RISER w/XYPEX - 60"

P3) 48" - MH RISER w/XYPEX - 72"

P2) 48" - MH RISER w/XYPEX - 72"

P1) 48" - MH BASE w/XYPEX - 24"

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT

1) CASTING - JBS 1150 F/C SANITARY

5) 48" - Conseal CS-102 1.00" (Double)

1) 24" - Conseal CS-102 1.00" (Double)

2) PSX - 12-08 NYLO

26) MH Step ML-10-TDS-NCR - 10"

0 lb

2251 lb

3353 lb

4192 lb

5030 lb

5030 lb

2911 lb

0 lb

0 lb

1440 lb

250 lb

0 lb

0 lb

16 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. INVERT CHANNEL REQUIRED

5. STEPS AT 0 DEGREES

6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 716.3'

Rim to Invert: 26.55'

Slack: 1.6"

Sump: 2'

Structure Total: 24473 lb

Step Position: 0

| 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)

(P7)

(P6)

(P5)

(P4)

(P3)

(P2) <<

(P1)

0°

90°

180°

270°

360°

EXT

72"

INSIDE WALL DIMENSIONS

(P2)

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

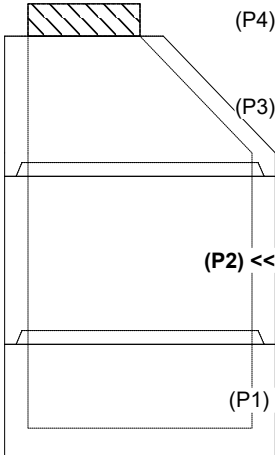
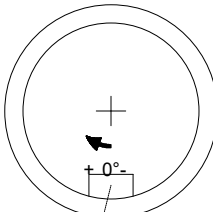
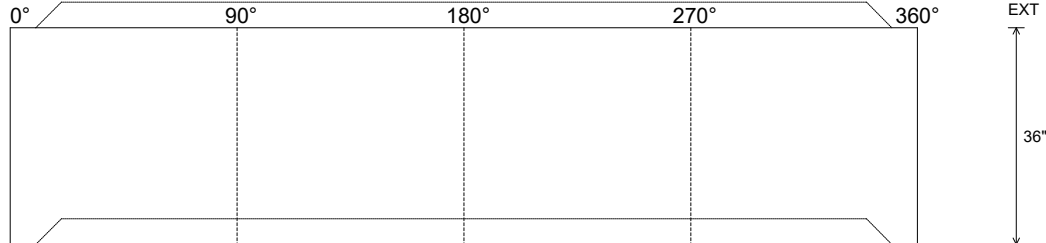
Floor Height: 0"

Height (Int): 72"

Height (Ext): 72"

Weight (Net): 5030 lb

Volume (Net): 1.28cu.yd

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       |                                    |      |                                        |                                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------------------------------|------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|--|--|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |       |                                    |      | Plant: 100<br>7/10/2026 8:14:15 AM     |                                                                                                                                                                      | Tech: Jared - A<br>PC: Erica Bradley   |                                                                                                                                                                                                                                                                       |  |        |  |  |  |
| <b>Structure ID: A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |                                    |      |                                        |                                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |  |  |
| <b>P2 MH048RS36X</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       | <b>MH RISER w/XYPEX</b>            |      |                                        |                                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |  |  |
| <p>P4) 24" - CASTING HEIGHT - 7"<br/>P3) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P2) 48" - MH RISER w/XYPEX - 36"<br/>P1) 48" - MH BASE w/XYPEX - 18"<br/>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT<br/>1) CASTING - JBS 1150 F/C SANITARY<br/>2) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>7) MH Step ML-10-TDS-NCR - 10"</p>                                   |      |       |                                    |      |                                        | <p>0 lb<br/>1981 lb<br/>2515 lb<br/>2492 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb<br/>-----<br/>Structure Total: 8694 lb</p> |                                        | <p><u>Structure Notes:</u><br/>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: PER ASTM A615<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 0 DEGREES<br/>6. JBS 1150 FRAME &amp; COVER "SANITARY" SUPPLIED BY ICAST</p> |                                                                                    |        |  |  |  |
| Rim: 693.53'    Rim to Invert: 7.5'    Slack: 1"    Sump: 2"    Step Position: 0°                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                    |      |                                        |                                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |  |  |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       |                                    |      |                                        |                                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |  |  |
| <div><div><p>(P4)<br/>(P3)<br/>(P2) &lt;&lt;<br/>(P1)</p></div><div><p><b>RIGHT-SIDE UP VIEW (int. dimensions)</b></p><p>Step: 0°<br/>Horz: 0"</p></div><div><p><b>INSIDE WALL DIMENSIONS</b></p><p>(P2)</p><p>0°    90°    180°    270°    360°</p><p>EXT<br/>36"</p></div></div> |      |       |                                    |      |                                        |                                                                                                                                                                      |                                        |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |  |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |       | Seam Up: Tongue<br>Seam Dn: Groove |      | Wall Thickness: 5"<br>Floor Height: 0" |                                                                                                                                                                      | Height (Int): 36"<br>Height (Ext): 36" |                                                                                                                                                                                                                                                                       | Weight (Net): 2515 lb<br>Volume (Net): 0.64cu.yd                                   |        |  |  |  |

Job Name: 25-4288 - Project Wave

Job Location: Franklin, KY 42134

Contractor: Cumberland Pipeline LLC

Plant: 100

7/10/2026 8:14:14 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: E1

P3 MH048RS36X

MH RISER w/XYPEX

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"

P3) 48" - MH RISER w/XYPEX - 36"

P2) 48" - MH RISER w/XYPEX - 60"

P1) 48" - MH BASE w/XYPEX - 24"

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT

1) CASTING - JBS 1150 F/C SANITARY

3) 48" - Conseal CS-102 1.00" (Double)

1) 24" - Conseal CS-102 1.00" (Double)

2) PSX - 12-08 NYLO

13) MH Step ML-10-TDS-NCR - 10"

0 lb

1981 lb

2515 lb

4192 lb

2911 lb

0 lb

0 lb

1440 lb

250 lb

0 lb

0 lb

16 lb

0 lb

-----

Structure Total: 13304 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. STEPS AT 0 DEGREES

6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 697.78'

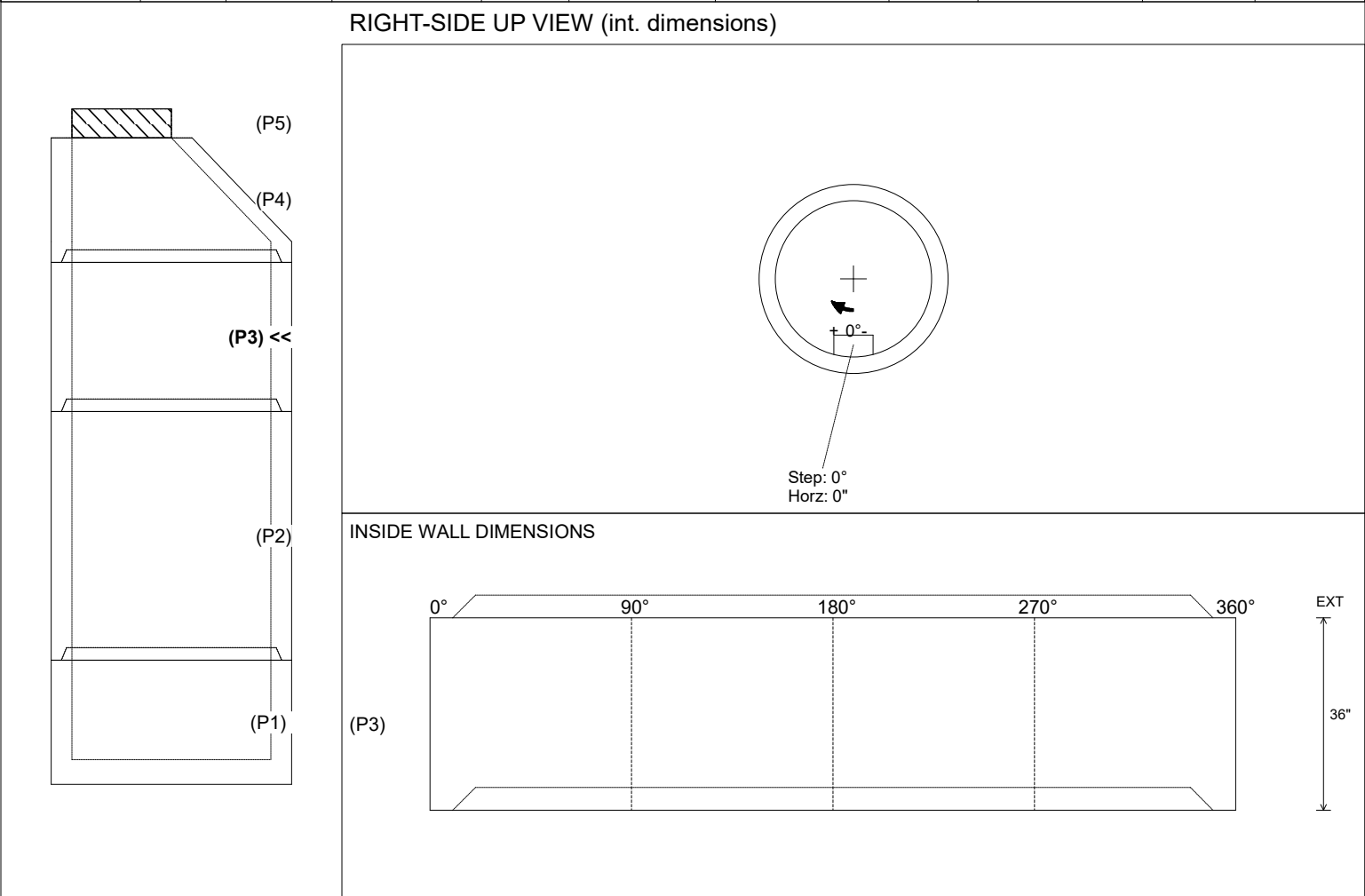
Rim to Invert: 12.98'

Slack: 0.76"

Sump: 2"

Step Position: 0°

| 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 |      |       |           |      |         |           |      |           |          |        |



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

Floor Height: 0"

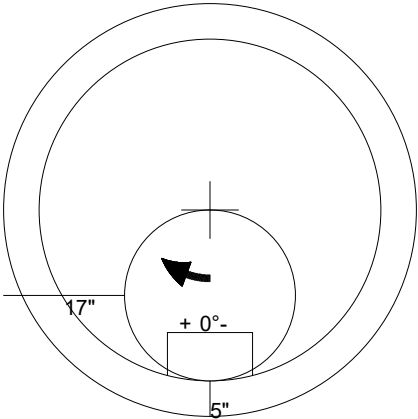
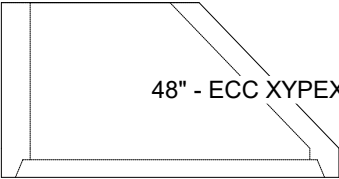
Height (Int): 36"

Height (Ext): 36"

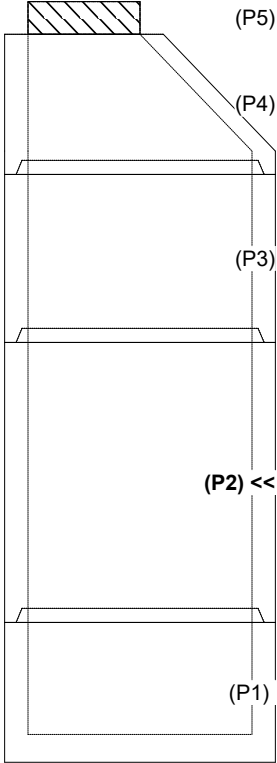
Weight (Net): 2515 lb

Volume (Net): 0.64cu.yd

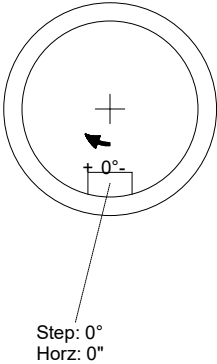


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                    |                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  | Plant: 100<br>7/10/2026 8:15:39 AM                                                                                                                                                               | Tech: Jared - A<br>PC: Erica Bradley                                                                                                                                                                                                                               |  |
| <b>Structure ID: E1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                    |                                                                                    |
| <b>P4 MH048CN30X</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  | <b>ECC XYPEX CONE w/ 24" HOLE</b>                                                                                                                                                                |                                                                                                                                                                                                                                                                    |                                                                                    |
| <div>P5) 24" - CASTING HEIGHT - 7"<br/>P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P3) 48" - MH RISER w/XYPEX - 36"<br/>P2) 48" - MH RISER w/XYPEX - 60"<br/>P1) 48" - MH BASE w/XYPEX - 24"<br/>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT<br/>1) CASTING - JBS 1150 F/C SANITARY<br/>3) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>13) MH Step ML-10-TDS-NCR - 10"</div> |                                  | <div>0 lb<br/>1981 lb<br/>2515 lb<br/>4192 lb<br/>2911 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb<br/>-----<br/>13304 lb</div> <div>Structure Total:</div> | <div>Structure Notes:<br/>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: PER ASTM A615<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 0 DEGREES<br/>6. JBS 1150 FRAME &amp; COVER "SANITARY" SUPPLIED BY ICAST</div> |                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                    |                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                    |                                                                                    |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Seam Up: Flat<br>Seam Dn: Groove | Wall Thickness: 5"                                                                                                                                                                               | Height (Ext): 30"                                                                                                                                                                                                                                                  | Weight (Net): 1981 lb<br>Volume (Net): 0.51cu.yd                                   |

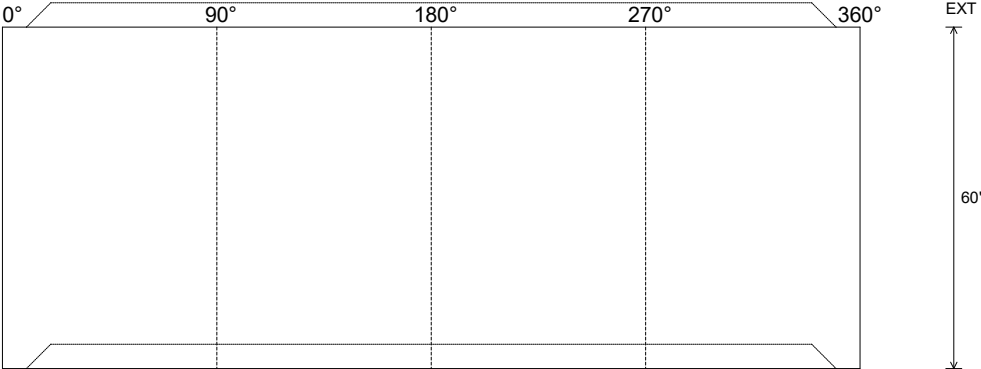
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       |                         |      |                                    |                                                                                                                                           |                                      |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-------------------------|------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       |                         |      | Plant: 100<br>7/10/2026 8:14:14 AM |                                                                                                                                           | Tech: Jared - A<br>PC: Erica Bradley |                                                                                                                                                                                                                                                                       |  |        |  |
| <b>Structure ID: E1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |       |                         |      |                                    |                                                                                                                                           |                                      |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |
| <b>P2 MH048RS60X</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |       | <b>MH RISER w/XYPEX</b> |      |                                    |                                                                                                                                           |                                      |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |
| <p>P5) 24" - CASTING HEIGHT - 7"<br/>P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P3) 48" - MH RISER w/XYPEX - 36"<br/>P2) 48" - MH RISER w/XYPEX - 60"<br/>P1) 48" - MH BASE w/XYPEX - 24"</p> <p>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT<br/>1) CASTING - JBS 1150 F/C SANITARY<br/>3) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>13) MH Step ML-10-TDS-NCR - 10"</p> |      |       |                         |      |                                    | <p>0 lb<br/>1981 lb<br/>2515 lb<br/>4192 lb<br/>2911 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb</p> |                                      | <p><u>Structure Notes:</u><br/>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: PER ASTM A615<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 0 DEGREES<br/>6. JBS 1150 FRAME &amp; COVER "SANITARY" SUPPLIED BY ICAST</p> |                                                                                    |        |  |
| Structure Total:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |                         |      |                                    | 13304 lb                                                                                                                                  |                                      |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |
| Rim: 697.78' Rim to Invert: 12.98' Slack: 0.76" Sump: 2" Step Position: 0°                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |       |                         |      |                                    |                                                                                                                                           |                                      |                                                                                                                                                                                                                                                                       |                                                                                    |        |  |
| 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)

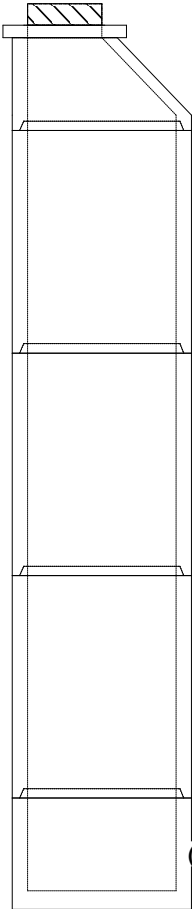


INSIDE WALL DIMENSIONS



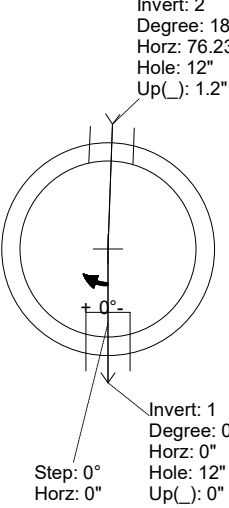
|                                  |                                    |                                        |                                        |                                                  |
|----------------------------------|------------------------------------|----------------------------------------|----------------------------------------|--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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                 |           |              | Plant: 100<br>7/10/2026 8:12:52 AM                                                                                                                               |                | Tech: Jared - A<br>PC: Erica Bradley                                                                                                                                                                                                                           |           |  |        |  |
| Structure ID: A3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |
| P1 MH048BA30X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         | MH BASE w/XYPEX |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |
| <p>P7) 24" - CASTING HEIGHT - 7"<br/>P6) 24" - XYPEX GRADE RING - 4"<br/>P5) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P4) 48" - MH RISER w/XYPEX - 72"<br/>P3) 48" - MH RISER w/XYPEX - 72"<br/>P2) 48" - MH RISER w/XYPEX - 72"<br/>P1) 48" - MH BASE w/XYPEX - 30"<br/>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT<br/>1) CASTING - JBS 1150 F/C SANITARY<br/>4) 48" - Conseal CS-102 1.00" (Double)<br/>2) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>23) MH Step ML-10-TDS-NCR - 10"</p> |         |                 |           |              | <p>0 lb<br/>270 lb<br/>1981 lb<br/>5030 lb<br/>5030 lb<br/>5030 lb<br/>3330 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb</p> |                | <p>Structure Notes:<br/>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: PER ASTM A615<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 0 DEGREES<br/>6. JBS 1150 FRAME &amp; COVER "SANITARY" SUPPLIED BY ICAST</p> |           |                                                                                    |        |  |
| Rim: 715.31' Rim to Invert: 23.75' Slack: 0" Sump: 2'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                 |           |              | Structure Total: 22377 lb<br>Step Position: 0                                                                                                                    |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Elev    | Angle           | Ext. (cw) | Pipe         | Pipe OD                                                                                                                                                          | Connector      | Hole                                                                                                                                                                                                                                                           | Horz Size | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 691.56' | 0°              | 0"        | 8" PVC SDR35 | 8.5"                                                                                                                                                             | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                            | 12.129"   | 0"                                                                                 | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 691.66' | 182°            | 92.118"   | 8" PVC SDR35 | 8.5"                                                                                                                                                             | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                            | 12.129"   | 1.2"                                                                               | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |



(P7)  
(P6)  
(P5)  
(P4)  
(P3)  
(P2)  
(P1) <<

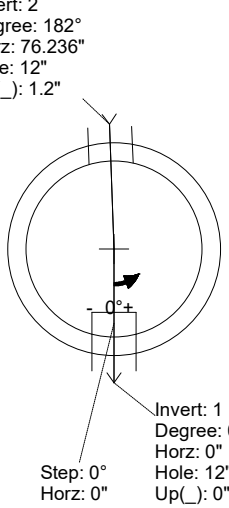
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2  
Degree: 182°  
Horz: 76.236"  
Hole: 12"  
Up( ): 1.2"

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

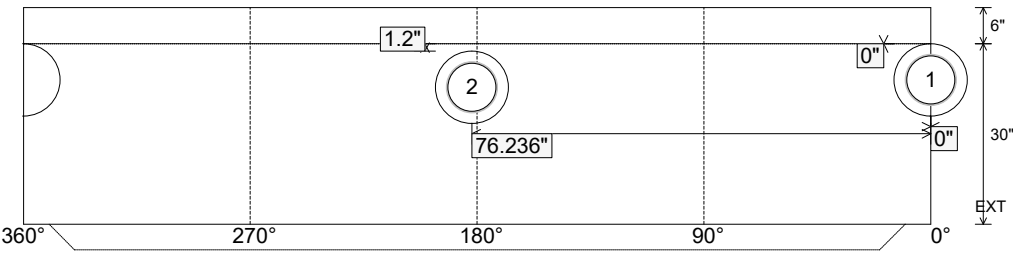
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2  
Degree: 182°  
Horz: 76.236"  
Hole: 12"  
Up( ): 1.2"

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

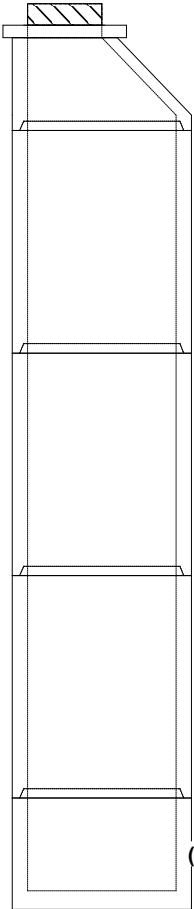
INSIDE WALL DIMENSIONS



1.2"  
76.236"  
0"  
0"  
6"  
30"  
EXT  
360° 270° 180° 90° 0°

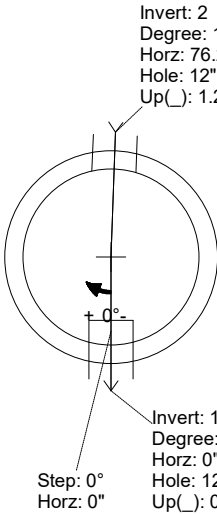
|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                 |           |              | Plant: 100<br>7/10/2026 8:12:52 AM                                                                                                                               |                | Tech: Jared - A<br>PC: Erica Bradley                                                                                                                                                                                                                           |           |  |        |
| Structure ID: A3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| P1 MH048BA30X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         | MH BASE w/XYPEX |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| <p>P7) 24" - CASTING HEIGHT - 7"<br/>P6) 24" - XYPEX GRADE RING - 4"<br/>P5) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P4) 48" - MH RISER w/XYPEX - 72"<br/>P3) 48" - MH RISER w/XYPEX - 72"<br/>P2) 48" - MH RISER w/XYPEX - 72"<br/>P1) 48" - MH BASE w/XYPEX - 30"<br/>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT<br/>1) CASTING - JBS 1150 F/C SANITARY<br/>4) 48" - Conseal CS-102 1.00" (Double)<br/>2) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>23) MH Step ML-10-TDS-NCR - 10"</p> |         |                 |           |              | <p>0 lb<br/>270 lb<br/>1981 lb<br/>5030 lb<br/>5030 lb<br/>5030 lb<br/>3330 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb</p> |                | <p>Structure Notes:<br/>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: PER ASTM A615<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 0 DEGREES<br/>6. JBS 1150 FRAME &amp; COVER "SANITARY" SUPPLIED BY ICAST</p> |           |                                                                                    |        |
| Rim: 715.31' Rim to Invert: 23.75' Slack: 0" Sump: 2" Structure Total: 22377 lb Step Position: 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                 |           |              | <p>INVERT CHANNEL DRAWING<br/>FULL HEIGHT INVERT</p>                                                                                                             |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Elev    | Angle           | Ext. (cw) | Pipe         | Pipe OD                                                                                                                                                          | Connector      | Hole                                                                                                                                                                                                                                                           | Horz Size | Up ( )                                                                             | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 691.56' | 0°              | 0"        | 8" PVC SDR35 | 8.5"                                                                                                                                                             | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                            | 12.129"   | 0"                                                                                 | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 691.66' | 182°            | 92.118"   | 8" PVC SDR35 | 8.5"                                                                                                                                                             | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                            | 12.129"   | 1.2"                                                                               | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |           |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |



(P7)  
(P6)  
(P5)  
(P4)  
(P3)  
(P2)  
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

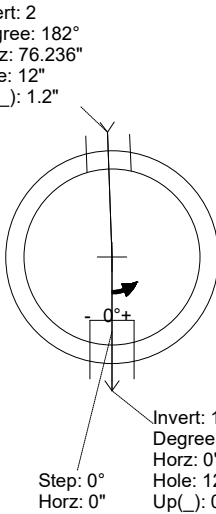


Invert: 2  
Degree: 182°  
Horz: 76.236"  
Hole: 12"  
Up( ): 1.2"

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

Step: 0°  
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

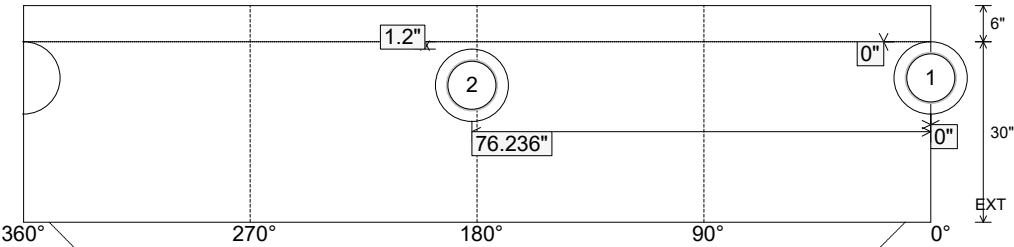


Invert: 2  
Degree: 182°  
Horz: 76.236"  
Hole: 12"  
Up( ): 1.2"

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

Step: 0°  
Horz: 0"

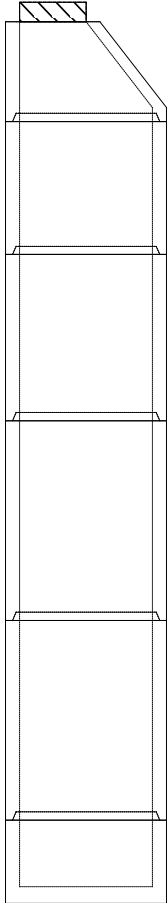
INSIDE WALL DIMENSIONS



1.2"  
76.236"  
360° 270° 180° 90° 0°  
6"  
30"  
EXT

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |       |           |              |                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |       |           |              | Plant: 100<br>7/10/2026 8:12:51 AM                                                                                                                                |                | Tech: Jared - A<br>PC: Erica Bradley                                                                                                                                                                                                                           |           |  |        |
| Structure ID: A2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |           |              |                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| P1 MH048BA24X MH BASE w/XYPEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |       |           |              |                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| <p>P7) 24" - CASTING HEIGHT - 7"<br/>P6) 48" - ECC XYPEX CONE w/ 24" HOLE - 36"<br/>P5) 48" - MH RISER w/XYPEX - 48"<br/>P4) 48" - MH RISER w/XYPEX - 60"<br/>P3) 48" - MH RISER w/XYPEX - 72"<br/>P2) 48" - MH RISER w/XYPEX - 72"<br/>P1) 48" - MH BASE w/XYPEX - 24"<br/>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT<br/>1) CASTING - JBS 1150 F/C SANITARY<br/>5) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>26) MH Step ML-10-TDS-NCR - 10"</p> |         |       |           |              | <p>0 lb<br/>2251 lb<br/>3353 lb<br/>4192 lb<br/>5030 lb<br/>5030 lb<br/>2911 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb</p> |                | <p>Structure Notes:<br/>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: PER ASTM A615<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 0 DEGREES<br/>6. JBS 1150 FRAME &amp; COVER "SANITARY" SUPPLIED BY ICAST</p> |           |                                                                                    |        |
| Rim: 716.3' Rim to Invert: 26.55' Slack: 1.6" Sump: 2'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |       |           |              | Structure Total: 24473 lb<br>Step Position: 0                                                                                                                     |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Elev    | Angle | Ext. (cw) | Pipe         | Pipe OD                                                                                                                                                           | Connector      | Hole                                                                                                                                                                                                                                                           | Horz Size | Up ( )                                                                             | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 689.75' | 0°    | 0"        | 8" PVC SDR35 | 8.5"                                                                                                                                                              | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                            | 12.129"   | 0"                                                                                 | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 689.85' | 198°  | 100.217"  | 8" PVC SDR35 | 8.5"                                                                                                                                                              | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                            | 12.129"   | 1.2"                                                                               | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |              |                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |              |                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |              |                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |              |                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |              |                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |              |                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |



(P7)

(P6)

(P5)

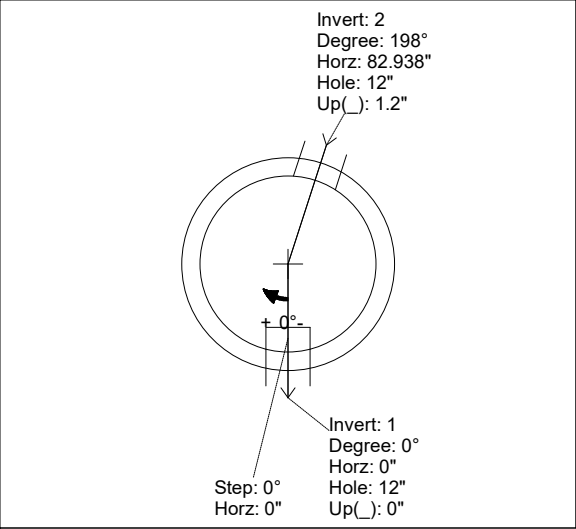
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

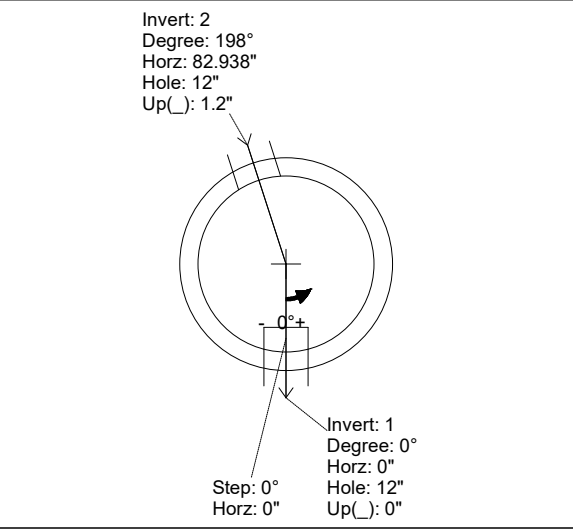


Invert: 2  
Degree: 198°  
Horz: 82.938"  
Hole: 12"  
Up( ): 1.2"

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

Step: 0°  
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

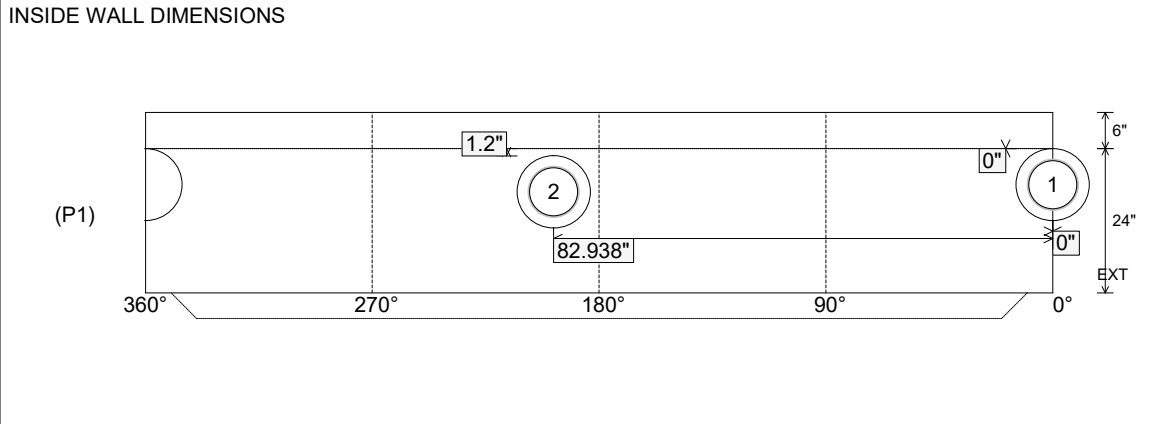


Invert: 2  
Degree: 198°  
Horz: 82.938"  
Hole: 12"  
Up( ): 1.2"

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

Step: 0°  
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

6" 24" EXT

1.2" 82.938" 0"

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



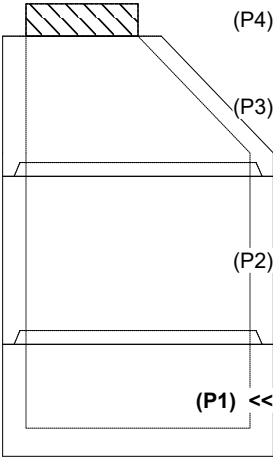


Weight (Net): 2911 lb  
Volume (Net): 0.74cu.yd



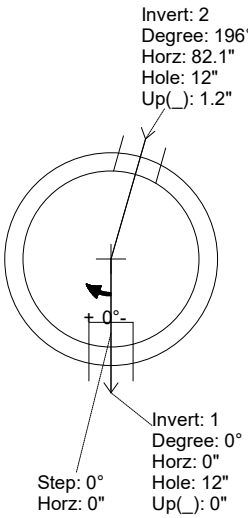
Weight (Net): 2492 lb  
Volume (Net): 0.64cu.yd

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                 |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----------|--------------|-------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                 |         |                 |           |              | Plant: 100<br>7/10/2026 8:12:51 AM                                                                                            |                | Tech: Jared - A<br>PC: Erica Bradley                                                                                                                                                                                                                           |           |  |        |
| Structure ID: A1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                 |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| P1 MH048BA18X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         | MH BASE w/XYPEX |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| <p>P4) 24" - CASTING HEIGHT - 7"<br/>P3) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P2) 48" - MH RISER w/XYPEX - 36"<br/>P1) 48" - MH BASE w/XYPEX - 18"<br/>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT<br/>1) CASTING - JBS 1150 F/C SANITARY<br/>2) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>7) MH Step ML-10-TDS-NCR - 10"</p> |         |                 |           |              | <p>0 lb<br/>1981 lb<br/>2515 lb<br/>2492 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb</p> |                | <p>Structure Notes:<br/>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: PER ASTM A615<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 0 DEGREES<br/>6. JBS 1150 FRAME &amp; COVER "SANITARY" SUPPLIED BY ICAST</p> |           |                                                                                    |        |
| Structure Total: 8694 lb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                 |           |              | INVERT CHANNEL DRAWING<br>FULL HEIGHT INVERT                                                                                  |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Rim: 693.53' Rim to Invert: 7.5' Slack: 1" Sump: 2" Step Position: 0°                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Elev    | Angle           | Ext. (cw) | Pipe         | Pipe OD                                                                                                                       | Connector      | Hole                                                                                                                                                                                                                                                           | Horz Size | Up ( )                                                                             | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 686.03' | 0°              | 0"        | 8" PVC SDR35 | 8.5"                                                                                                                          | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                            | 12.129"   | 0"                                                                                 | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 686.13' | 196°            | 99.205"   | 8" PVC SDR35 | 8.5"                                                                                                                          | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                            | 12.129"   | 1.2"                                                                               | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                 |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                 |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                 |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                 |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                 |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                 |           |              |                                                                                                                               |                |                                                                                                                                                                                                                                                                |           |                                                                                    |        |



(P4)  
(P3)  
(P2)  
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

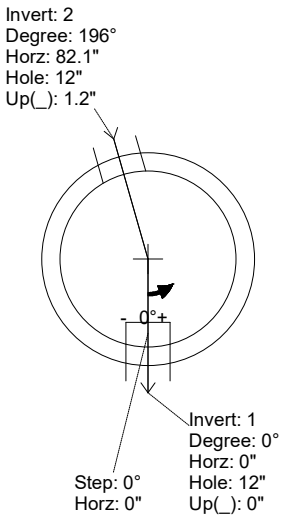


Invert: 2  
Degree: 196°  
Horz: 82.1"  
Hole: 12"  
Up( ): 1.2"

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

Step: 0°  
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

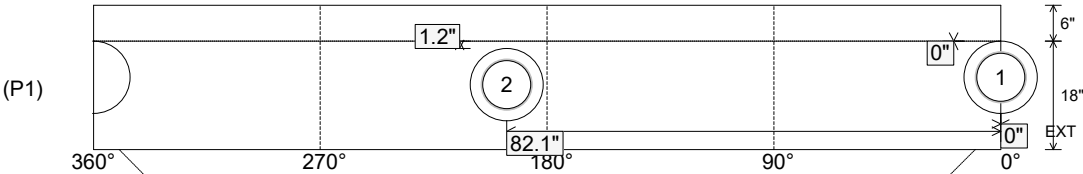


Invert: 2  
Degree: 196°  
Horz: 82.1"  
Hole: 12"  
Up( ): 1.2"

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

Step: 0°  
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

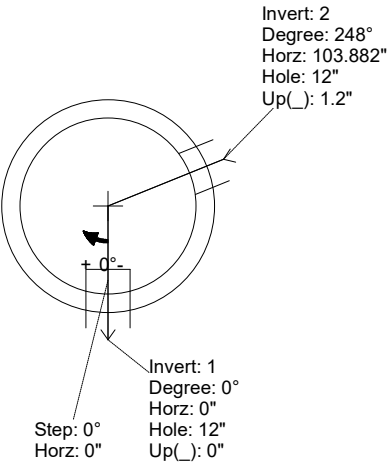
1.2" 82.1" 0"

6" 18" EXT

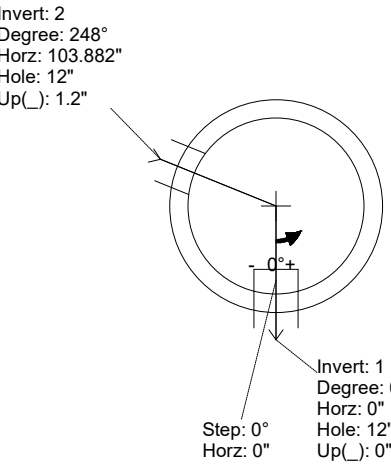
|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: n/a | Wall Thickness: 5"<br>Floor Height: 6" | Height (Int): 18"<br>Height (Ext): 24" | Weight (Net): 2492 lb<br>Volume (Net): 0.64cu.yd |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|-----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |       |                 |              | Plant: 100<br>7/10/2026 8:12:50 AM                                                                                                        |                | Tech: Jared - A<br>PC: Erica Bradley                                                                                                                                                                                                                              |           |  |        |
| Structure ID: E1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| P1 MH048BA24X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |       | MH BASE w/XYPEX |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| <p>P5) 24" - CASTING HEIGHT - 7"<br/>P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P3) 48" - MH RISER w/XYPEX - 36"<br/>P2) 48" - MH RISER w/XYPEX - 60"<br/>P1) 48" - MH BASE w/XYPEX - 24"</p> <p>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT<br/>1) CASTING - JBS 1150 F/C SANITARY<br/>3) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>13) MH Step ML-10-TDS-NCR - 10"</p> |        |       |                 |              | <p>0 lb<br/>1981 lb<br/>2515 lb<br/>4192 lb<br/>2911 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb</p> |                | <p>Structure Notes:</p> <p>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: PER ASTM A615<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 0 DEGREES<br/>6. JBS 1150 FRAME &amp; COVER "SANITARY" SUPPLIED BY ICAST</p> |           |                                                                                    |        |
| Structure Total: 13304 lb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Rim: 697.78' Rim to Invert: 12.98' Slack: 0.76" Sump: 2" Step Position: 0°                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Elev   | Angle | Ext. (cw)       | Pipe         | Pipe OD                                                                                                                                   | Connector      | Hole                                                                                                                                                                                                                                                              | Horz Size | Up ( )                                                                             | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 684.8' | 0°    | 0"              | 8" PVC SDR35 | 8.5"                                                                                                                                      | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                               | 12.129"   | 0"                                                                                 | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 684.9' | 248°  | 125.524"        | 8" PVC SDR35 | 8.5"                                                                                                                                      | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                               | 12.129"   | 1.2"                                                                               | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                           |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |

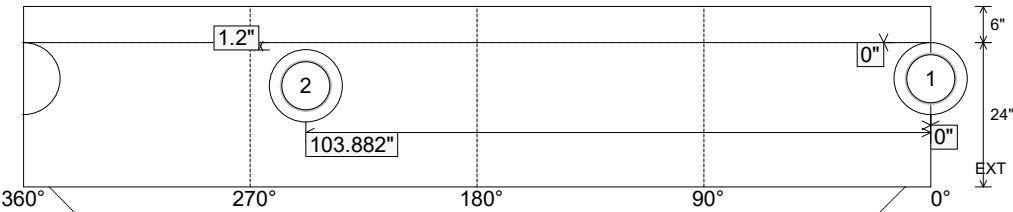
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



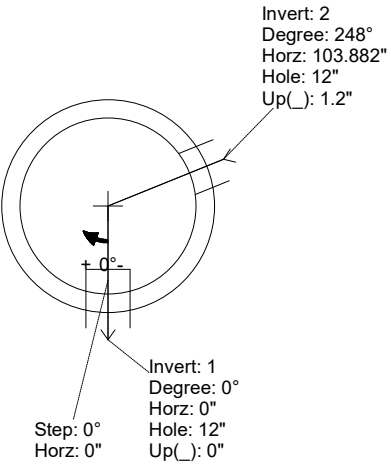
INSIDE WALL DIMENSIONS



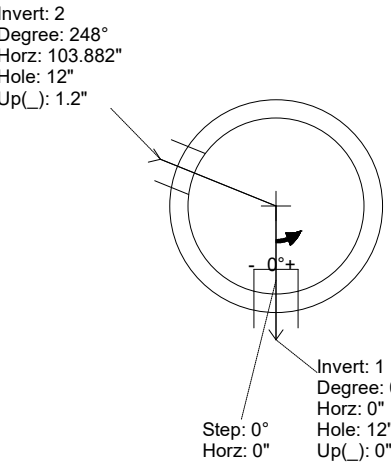
|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                 |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|-----------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |       |                 |              | Plant: 100<br>7/10/2026 8:12:50 AM                                                                                                                               |                | Tech: Jared - A<br>PC: Erica Bradley                                                                                                                                                                                                                              |           |  |        |
| Structure ID: E1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |       |                 |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| P1 MH048BA24X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |       | MH BASE w/XYPEX |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| <p>P5) 24" - CASTING HEIGHT - 7"<br/>P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P3) 48" - MH RISER w/XYPEX - 36"<br/>P2) 48" - MH RISER w/XYPEX - 60"<br/>P1) 48" - MH BASE w/XYPEX - 24"</p> <p>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT<br/>1) CASTING - JBS 1150 F/C SANITARY<br/>3) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>13) MH Step ML-10-TDS-NCR - 10"</p> |        |       |                 |              | <p>0 lb<br/>1981 lb<br/>2515 lb<br/>4192 lb<br/>2911 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb<br/>-----<br/>13304 lb</p> |                | <p>Structure Notes:</p> <p>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: PER ASTM A615<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 0 DEGREES<br/>6. JBS 1150 FRAME &amp; COVER "SANITARY" SUPPLIED BY ICAST</p> |           |                                                                                    |        |
| Rim: 697.78' Rim to Invert: 12.98' Slack: 0.76" Sump: 2" Step Position: 0°                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |       |                 |              | <p>INVERT CHANNEL DRAWING<br/>FULL HEIGHT INVERT</p>                                                                                                             |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Elev   | Angle | Ext. (cw)       | Pipe         | Pipe OD                                                                                                                                                          | Connector      | Hole                                                                                                                                                                                                                                                              | Horz Size | Up ( )                                                                             | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 684.8' | 0°    | 0"              | 8" PVC SDR35 | 8.5"                                                                                                                                                             | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                               | 12.129"   | 0"                                                                                 | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 684.9' | 248°  | 125.524"        | 8" PVC SDR35 | 8.5"                                                                                                                                                             | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                               | 12.129"   | 1.2"                                                                               | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |       |                 |              |                                                                                                                                                                  |                |                                                                                                                                                                                                                                                                   |           |                                                                                    |        |

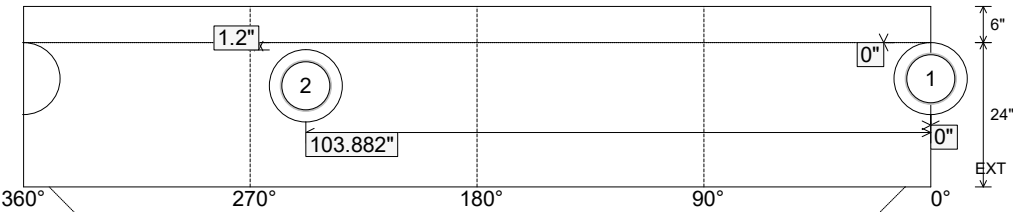
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



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

Job Name: 25-1401 Irwin Landing Ph. 1  
Job Location: Murfreesboro, TN  
Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:40:22 AM

Tech: S. Felletter

PC: Erica Bradley



**Structure ID: R17**

**P2 MH048LD12-28SQ**

**MH FLAT TOP w/28"x28" Hole F/G**

- P3) 28" x 28" - CASTING HEIGHT - 5"  
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"  
P1) 48" - MH BASE T/n - 72"  
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT  
1) CASTING - JBS 3104-V SINGLE SET  
1) 48" - Conseal CS-102 1.00"  
1) 28" x 28" - Conseal CS-102 1.00"  
3) Hole - 26  
6) MH Step ML-10-TDS-NCR - 10"

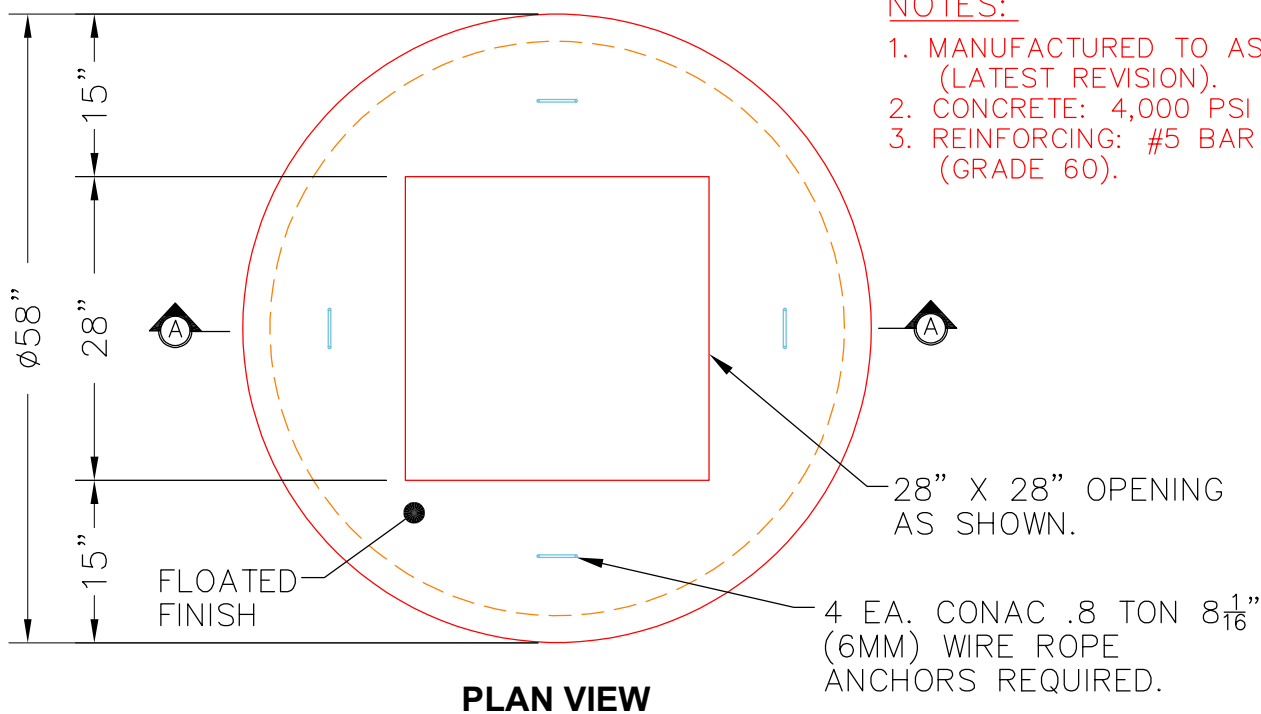
Structure Total:

0 lb  
1368 lb  
5660 lb  
1075 lb  
250 lb  
0 lb  
0 lb  
0 lb  
0 lb  
8353 lb

Structure Notes:

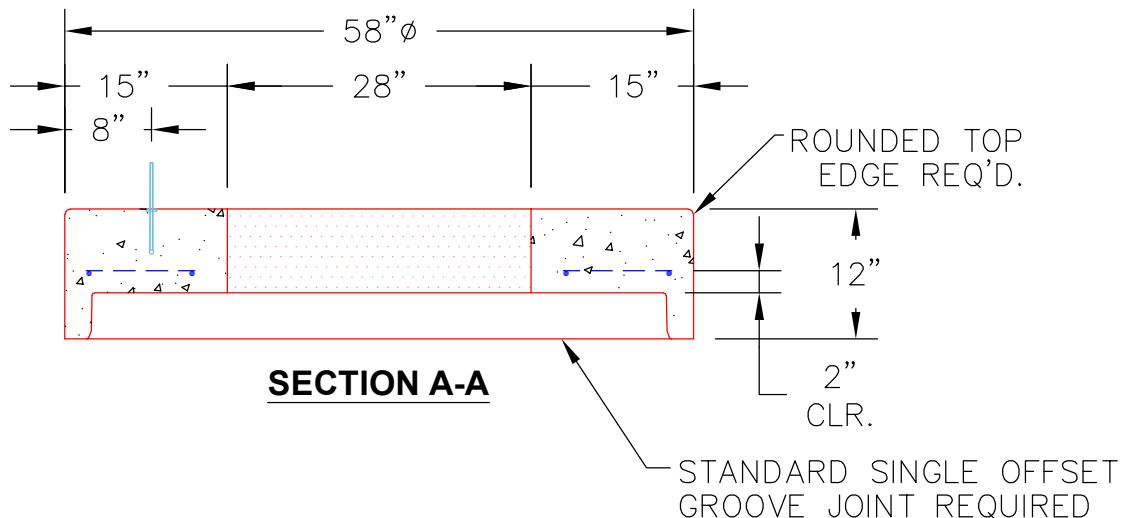
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

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" C.C. E.W. (GRADE 60).



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1368 lb  
Volume (Net): 0.35cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1  
Job Location: Murfreesboro, TN  
Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:40:22 AM

Tech: S. Felletter

PC: Erica Bradley



## Structure ID: R16

### P3 MH048LD12-28SQ

### MH FLAT TOP w/28"x28" Hole F/G

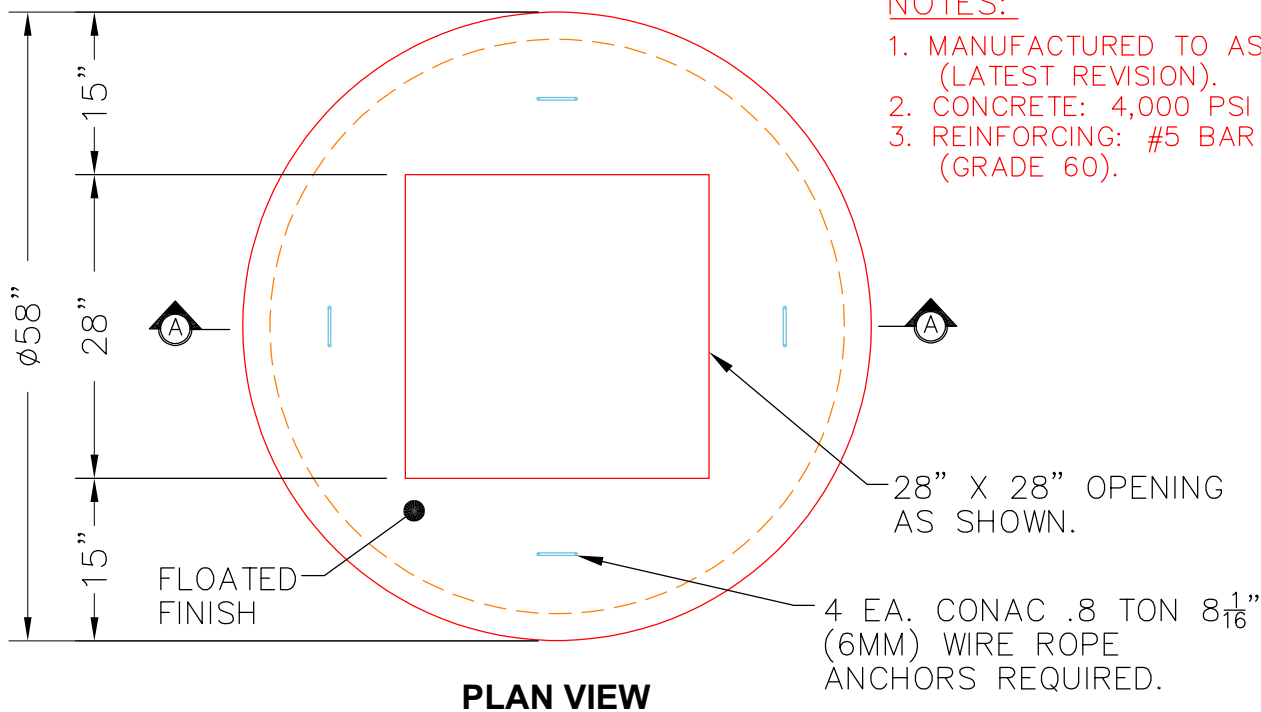
- P4) 28" x 28" - CASTING HEIGHT - 5"  
P3) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"  
P2) 48" - MH RISER T/G - 48"  
P1) 48" - MH BASE T/n - 42"  
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT  
1) CASTING - JBS 3104-V SINGLE SET  
2) 48" - Conseal CS-102 1.00"  
1) 28" x 28" - Conseal CS-102 1.00"  
3) Hole - 26  
7) MH Step ML-10-TDS-NCR - 10"

0 lb  
1368 lb  
3120 lb  
3798 lb  
1075 lb  
250 lb  
0 lb  
0 lb  
0 lb  
0 lb  
-----  
Structure Total: 9611 lb

#### Structure Notes:

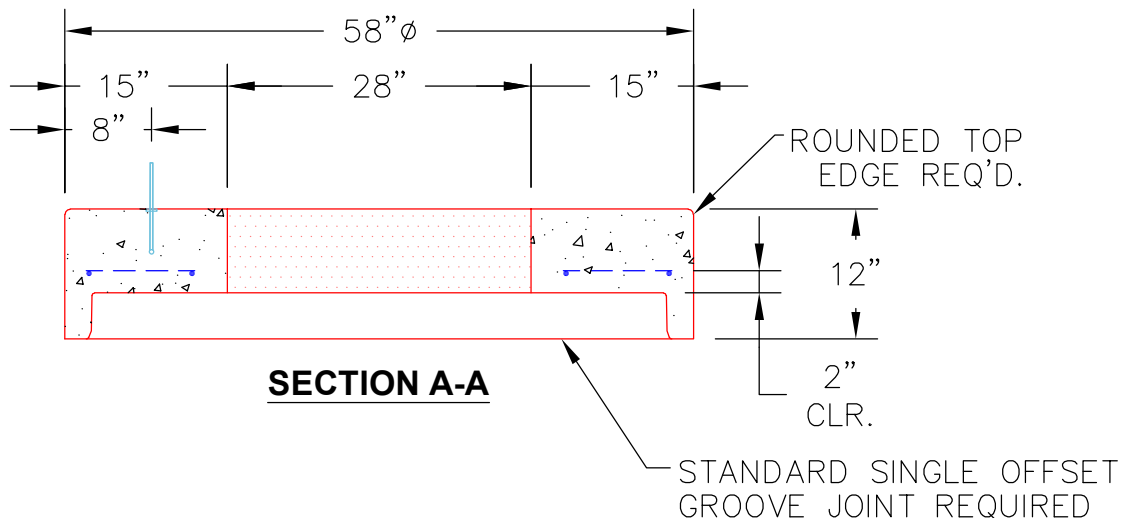
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

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" C.C. E.W. (GRADE 60).



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1368 lb  
Volume (Net): 0.35cu.yd



Job Name: 25-1401 Irwin Landing Ph. 1  
Job Location: Murfreesboro, TN  
Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:40:21 AM

Tech: S. Felletter

PC: Erica Bradley



**Structure ID: R15A**

**P3 MH048LD07-28SQ**

**MH FLAT TOP w/28"x28" Hole F/F**

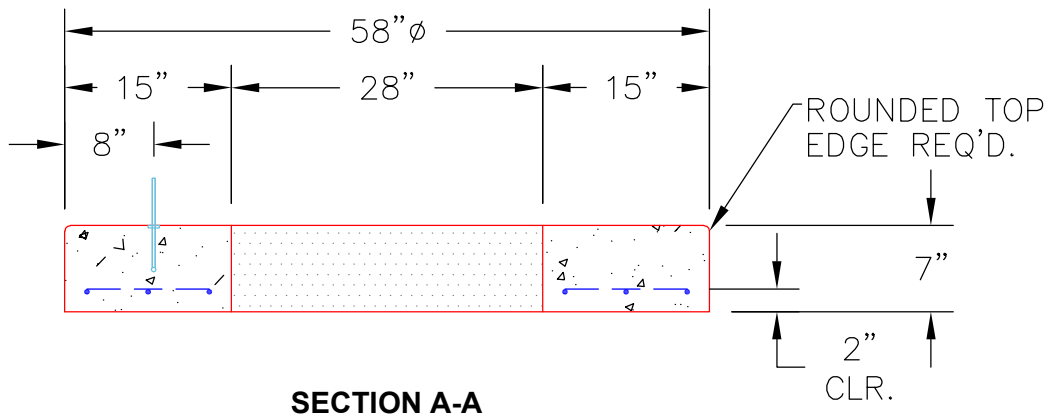
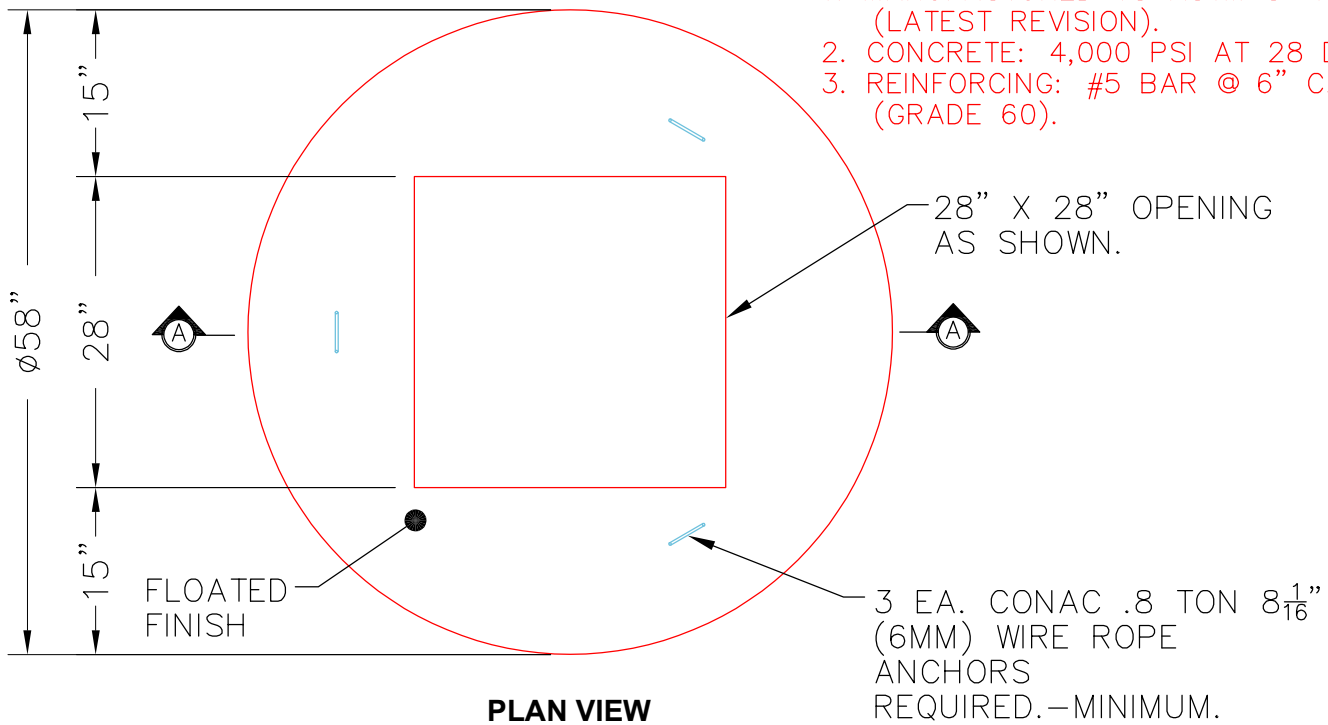
- P4) 28" x 28" - CASTING HEIGHT - 5"  
P3) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7"  
P2) 48" - MH RISER Custom Ht F/G - 16"  
P1) 48" - MH BASE T/n - 72"  
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT  
1) CASTING - JBS 3104-V SINGLE SET  
2) 48" - Conseal CS-102 1.00"  
1) 28" x 28" - Conseal CS-102 1.00"  
3) Hole - 26  
7) MH Step ML-10-TDS-NCR - 10"

0 lb  
1091 lb  
1118 lb  
5660 lb  
1075 lb  
250 lb  
0 lb  
0 lb  
0 lb  
0 lb  
-----  
Structure Total: 9195 lb

Structure Notes:  
1. PER ASTM C478 SPECIFICATIONS.  
2. CONCRETE = 4,000 PSI AT 28 DAYS.  
3. CASTING BY ICAST (JBS-3104 SINGLE SET).  
  
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" C.C. E.W. (GRADE 60).



**SECTION A-A**

Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 7"

Weight (Net): 1091 lb  
Volume (Net): 0.28cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1  
Job Location: Murfreesboro, TN  
Contractor: Bear Construction LLC

Plant: Beaver Dam  
6/9/2026 10:40:20 AM

Tech: S. Felletter  
PC: Erica Bradley



## Structure ID: R13

### P2 MH048LD12-28SQ

### MH FLAT TOP w/28"x28" Hole F/G

- P3) 28" x 28" - CASTING HEIGHT - 5"  
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"  
P1) 48" - MH BASE Custom Ht T/n - 65.5"  
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT  
1) CASTING - JBS 3104-V SINGLE SET  
1) 48" - Conseal CS-102 1.00"  
1) 28" x 28" - Conseal CS-102 1.00"  
3) Hole - 26  
5) MH Step ML-10-TDS-NCR - 10"

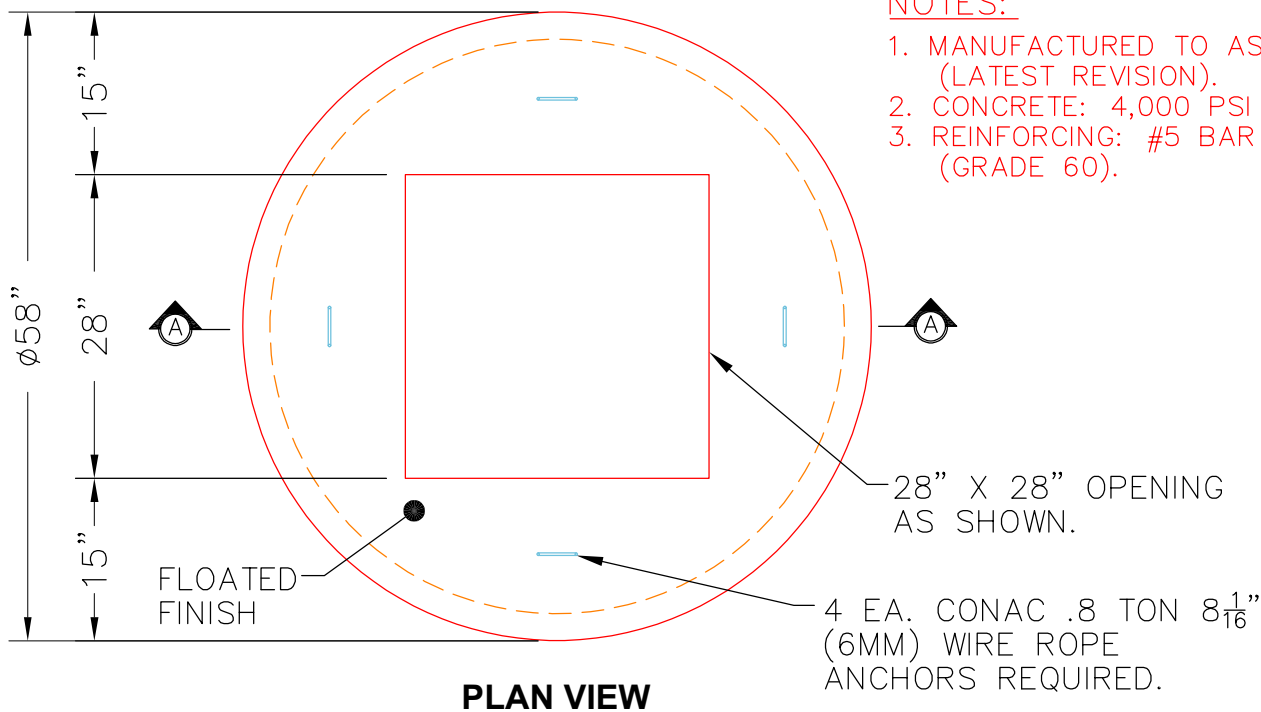
Structure Total:

0 lb  
1368 lb  
5206 lb  
1075 lb  
250 lb  
0 lb  
0 lb  
0 lb  
0 lb  
7899 lb

#### Structure Notes:

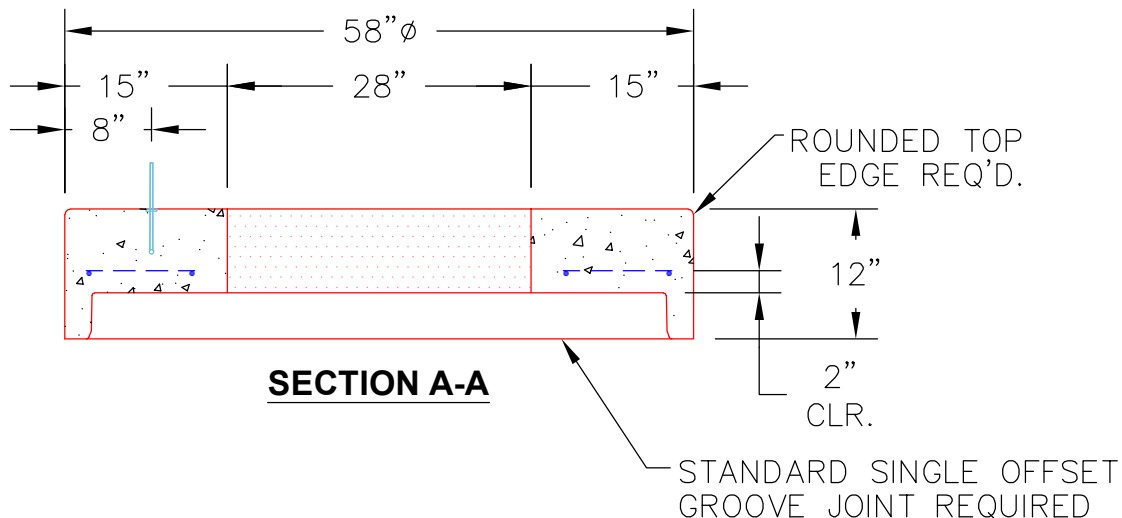
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

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" C.C. E.W. (GRADE 60).



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1368 lb  
Volume (Net): 0.35cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1  
Job Location: Murfreesboro, TN  
Contractor: Bear Construction LLC

Plant: Beaver Dam  
6/9/2026 10:40:19 AM

Tech: S. Felletter  
PC: Erica Bradley



## Structure ID: R12

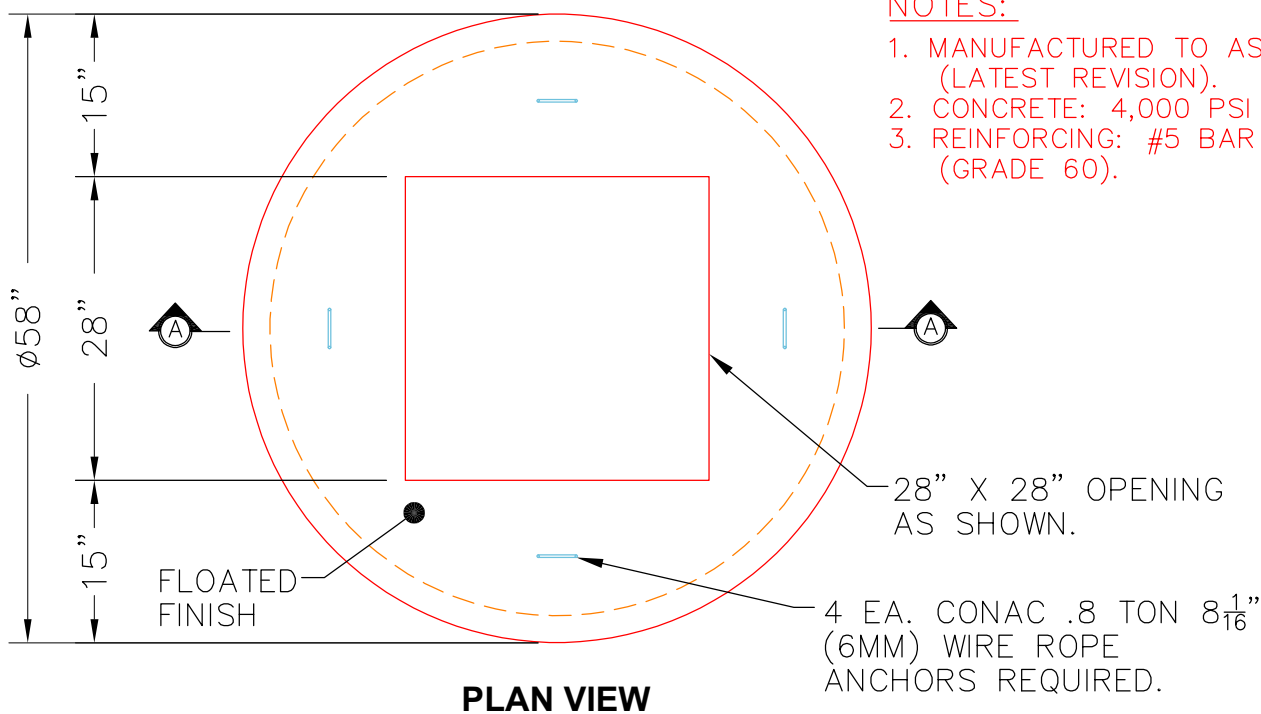
**P2 MH048LD12-28SQ**

**MH FLAT TOP w/28"x28" Hole F/G**

- P4) 28" x 28" - CASTING HEIGHT - 5"  
P3) 28" x 28" - GRADE RING F/F - 3"  
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"  
P1) 48" - MH BASE T/n - 48"  
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT  
1) CASTING - JBS 3104-V SINGLE SET  
1) 48" - Conseal CS-102 1.00"  
2) 28" x 28" - Conseal CS-102 1.00"  
2) Hole - 26  
4) MH Step ML-10-TDS-NCR - 10"

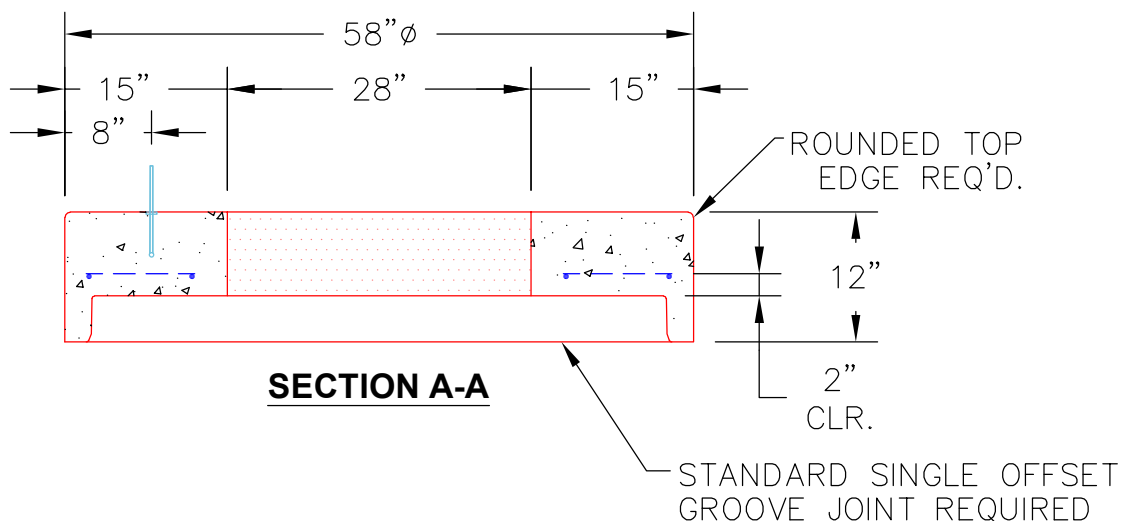
0 lb  
290 lb  
1368 lb  
4217 lb  
1075 lb  
250 lb  
0 lb  
0 lb  
0 lb  
0 lb  
-----  
Structure Total: 7200 lb

**Structure Notes:**  
1. PER ASTM C478 SPECIFICATIONS.  
2. CONCRETE = 4,000 PSI AT 28 DAYS.  
3. CASTING BY ICAST (JBS-3104 SINGLE SET).  
  
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" C.C. E.W. (GRADE 60).



Coating (Int):  
Coating (Ext):

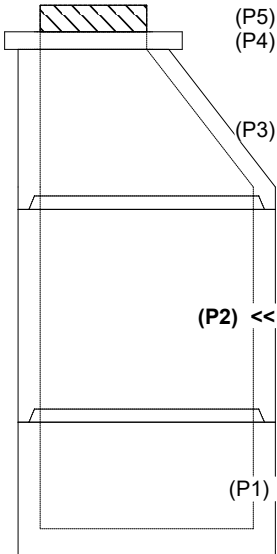
Seam Up: Flat  
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1368 lb  
Volume (Net): 0.35cu.yd

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|--------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 23-2309 - Richland Estates Subdivision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |       |                          |              | Plant: 100                                                                                                                                                                                                   |                | Tech: J. Horsley                                                                                                                                                                                                                                                                                                                                     |           |  |        |  |
| Job Location: Portland, TN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |       |                          |              | 6/30/2026 8:54:34 AM                                                                                                                                                                                         |                | PC: T. Lewis                                                                                                                                                                                                                                                                                                                                         |           |                                                                                    |        |  |
| Contractor: Core & Main LP (BG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| Structure ID: 06 SS-MH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| P2 MH048RS48XS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |       | MH RISER w/XYPEX SPECIAL |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| <p>P5) 24" - CASTING HEIGHT - 6"</p> <p>P4) 24" - XYPEX GRADE RING - 4"</p> <p>P3) 48" - ECC XYPEX CONE w/ 24" HOLE - 36"</p> <p>P2) 48" - MH RISER w/XYPEX SPECIAL - 48"</p> <p>P1) 48" - MH BASE w/XYPEX - 24"</p> <p>1) JOINT WRAP - 0.065"x12"x50' CONSEAL CS212</p> <p>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)</p> <p>1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT</p> <p>2) 48" - Conseal CS-102 1.00" (Double)</p> <p>1) 24" - Conseal CS-102 1.00" (Double)</p> <p>2) PSX - 12-08 NYLO</p> <p>9) MH Step ML-10-TDS-NCR - 10"</p> |        |       |                          |              | <p>0 lb</p> <p>270 lb</p> <p>2251 lb</p> <p>3305 lb</p> <p>2959 lb</p> <p>0 lb</p> <p>0 lb</p> <p>1440 lb</p> <p>0 lb</p> <p>0 lb</p> <p>16 lb</p> <p>0 lb</p> <p>-----</p> <p>Structure Total: 10241 lb</p> |                | <p>Structure Notes:</p> <p>1. PER ASTM C478 SPECIFICATIONS.</p> <p>2. CONCRETE = 4,000 PSI AT 28 DAYS.</p> <p>3. ADMIXTURE = XYPEX C-500 NF RED</p> <p>4. CASTING BY OTHERS (JBS 1155 F/C SANITARY).</p> <p>REINFORCING PER ASTM A615 (GRADE 60).</p> <p>- CONE (As .12)</p> <p>- RISER (As .12)</p> <p>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</p> |           |                                                                                    |        |  |
| Rim: 814.74' Rim to Invert: 9.7' Slack: 0.4" Sump: 2" Step Position: 90°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Elev   | Angle | Ext. (cw)                | Pipe         | Pipe OD                                                                                                                                                                                                      | Connector      | Hole                                                                                                                                                                                                                                                                                                                                                 | Horz Size | Up ( _ )                                                                           | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 809.1' | 180°  | 91.106"                  | 8" PVC SDR26 | 8.5"                                                                                                                                                                                                         | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                                                  | 12.129"   | 20.47"                                                                             | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |       |                          |              |                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                    |        |  |



(P5)

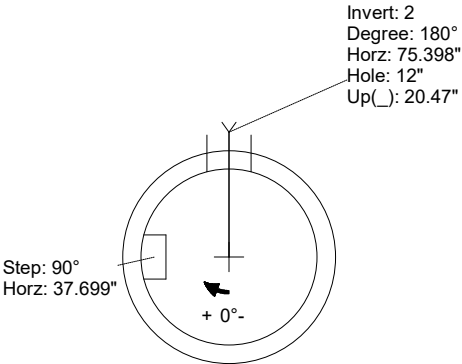
(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2

Degree: 180°

Horz: 75.398"

Hole: 12"

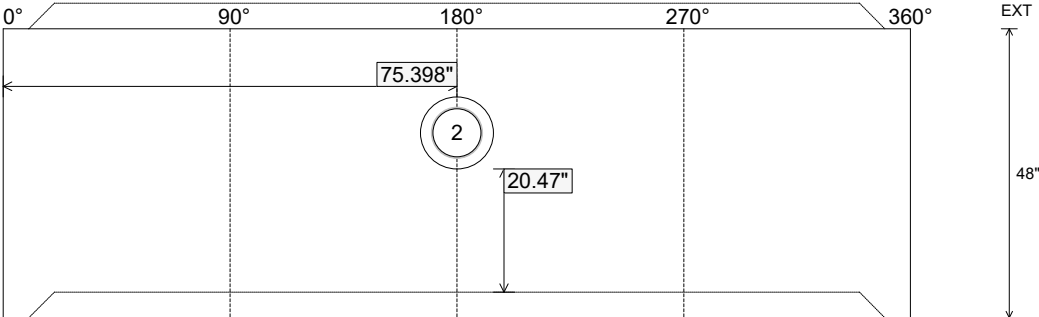
Up(\_): 20.47"

Step: 90°

Horz: 37.699"

+ 0°-

INSIDE WALL DIMENSIONS



0°

90°

180°

270°

360°

75.398"

20.47"

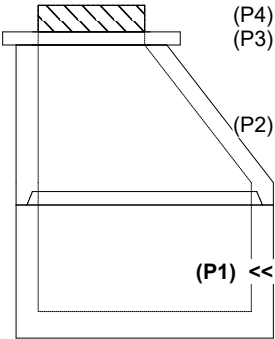
48"

EXT

(P2)

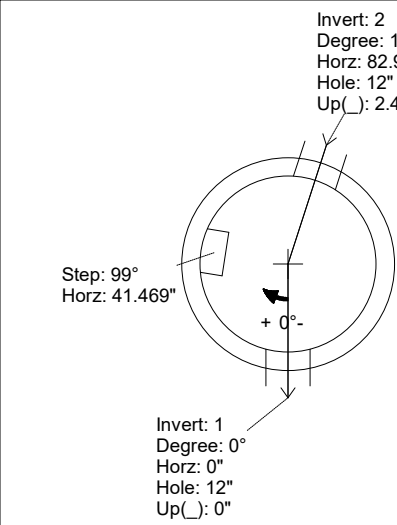
|                |                 |                    |                   |                         |
|----------------|-----------------|--------------------|-------------------|-------------------------|
| Coating (Int): | Seam Up: Tongue | Wall Thickness: 5" | Height (Int): 48" | Weight (Net): 3305 lb   |
| Coating (Ext): | Seam Dn: Groove | Floor Height: 0"   | Height (Ext): 48" | Volume (Net): 0.84cu.yd |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |       |           |                                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--|--|
| Job Name: 23-2309 - Richland Estates Subdivision<br>Job Location: Portland, TN<br>Contractor: Core & Main LP (BG)                                                                                                                                                                                                                                                                                                                                                               |         |       |           | Plant: 100<br>6/30/2026 8:52:26 AM |         | Tech: J. Horsley<br>PC: T. Lewis                                                                                                        |      |                                                                                                                                                                                                                                              |        |        |  |  |
| Structure ID: 05 SS-MH                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |                                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |
| P1 MH048BA24X                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |       |           | MH BASE w/XYPEX                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |
| <p>P4) 24" - CASTING HEIGHT - 6"<br/>P3) 24" - XYPEX GRADE RING - 3"<br/>P2) 48" - ECC XYPEX CONE w/ 24" HOLE - 36"<br/>P1) 48" - MH BASE w/XYPEX - 24"<br/>1) JOINT WRAP - 0.065"x12"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT<br/>1) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>5) MH Step ML-10-TDS-NCR - 10"</p> |         |       |           |                                    |         | <p>0 lb<br/>202 lb<br/>2251 lb<br/>2911 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb<br/>-----<br/>6821 lb</p> |      | <p>Structure Notes: .<br/>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. ADMIXTURE = XYPEX C-500 NF RED<br/>4. CASTING BY OTHERS (JBS 1155 F/C SANITARY).<br/>REINFORCING PER ASTM A615 (GRADE 60).<br/>- CONE (As .12)<br/>- RISER (As .12)<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</p> |        |        |  |  |
| Rim: 807.46' Rim to Invert: 5.62' Slack: 0.44" Sump: 2" Step Position: 99°                                                                                                                                                                                                                                                                                                                                                                                                      |         |       |           |                                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Elev    | Angle | Ext. (cw) | Pipe                               | Pipe OD | Connector                                                                                                                               | Hole | Horz Size                                                                                                                                                                                                                                                                                                                      | Up ( ) | Offset |  |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 801.84' | 0°    | 0"        | 8" PVC SDR26                       | 8.5"    | PSX 12-08 NYLO                                                                                                                          | 12"  | 12.129"                                                                                                                                                                                                                                                                                                                        | 0"     | 0"     |  |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 802.04' | 198°  | 100.217"  | 8" PVC SDR26                       | 8.5"    | PSX 12-08 NYLO                                                                                                                          | 12"  | 12.129"                                                                                                                                                                                                                                                                                                                        | 2.4"   | 0"     |  |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |       |           |                                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |       |           |                                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |       |           |                                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |       |           |                                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |       |           |                                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |       |           |                                    |         |                                                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                |        |        |  |  |



(P4)  
(P3)  
(P2)  
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

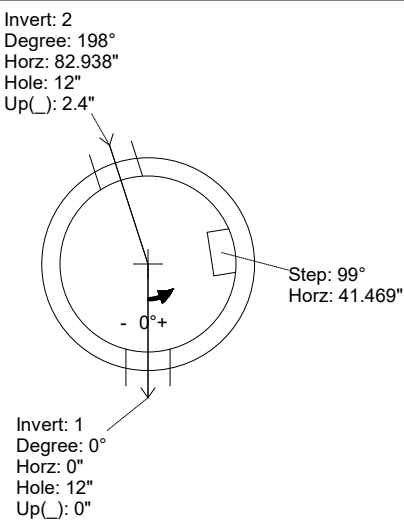


Invert: 2  
Degree: 198°  
Horz: 82.938"  
Hole: 12"  
Up( ): 2.4"

Step: 99°  
Horz: 41.469"

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

UPSIDE-DOWN VIEW (int. dimensions)

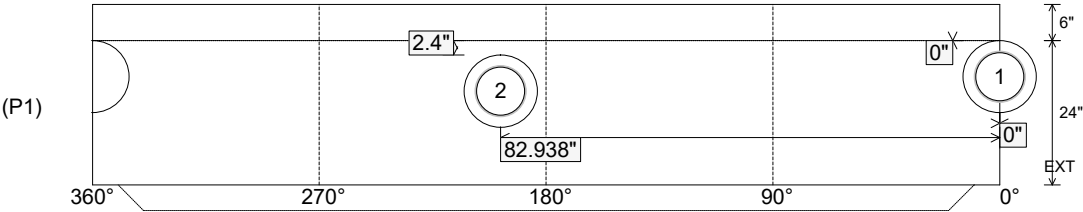


Invert: 2  
Degree: 198°  
Horz: 82.938"  
Hole: 12"  
Up( ): 2.4"

Step: 99°  
Horz: 41.469"

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

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

2.4" 82.938" 0" 0" 0"

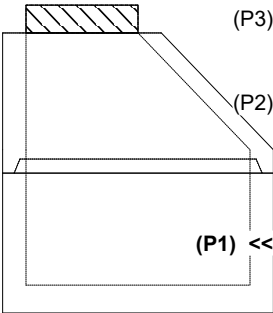
6" 24" EXT

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                 |           |              |                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--------|--|
| Job Name: 23-2309 - Richland Estates Subdivision<br>Job Location: Portland, TN<br>Contractor: Core & Main LP (BG)                                                                                                                                                                                                                                                                                                                                                               |         |                 |           |              | Plant: 100<br>6/30/2026 8:52:26 AM                                                                                                      |                | Tech: J. Horsley<br>PC: T. Lewis                                                                                                                                                                                                                                                                                               |           |        |        |  |
| Structure ID: 05 SS-MH                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |                 |           |              |                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |
| P1 MH048BA24X                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         | MH BASE w/XYPEX |           |              |                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |
| <p>P4) 24" - CASTING HEIGHT - 6"<br/>P3) 24" - XYPEX GRADE RING - 3"<br/>P2) 48" - ECC XYPEX CONE w/ 24" HOLE - 36"<br/>P1) 48" - MH BASE w/XYPEX - 24"<br/>1) JOINT WRAP - 0.065"x12"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT<br/>1) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>5) MH Step ML-10-TDS-NCR - 10"</p> |         |                 |           |              | <p>0 lb<br/>202 lb<br/>2251 lb<br/>2911 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb<br/>-----<br/>6821 lb</p> |                | <p>Structure Notes: .<br/>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. ADMIXTURE = XYPEX C-500 NF RED<br/>4. CASTING BY OTHERS (JBS 1155 F/C SANITARY).<br/>REINFORCING PER ASTM A615 (GRADE 60).<br/>- CONE (As .12)<br/>- RISER (As .12)<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</p> |           |        |        |  |
| Rim: 807.46' Rim to Invert: 5.62' Slack: 0.44" Sump: 2" Step Position: 99°                                                                                                                                                                                                                                                                                                                                                                                                      |         |                 |           |              | INVERT CHANNEL DRAWING<br>FULL HEIGHT INVERT                                                                                            |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Elev    | Angle           | Ext. (cw) | Pipe         | Pipe OD                                                                                                                                 | Connector      | Hole                                                                                                                                                                                                                                                                                                                           | Horz Size | Up ( ) | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 801.84' | 0°              | 0"        | 8" PVC SDR26 | 8.5"                                                                                                                                    | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                            | 12.129"   | 0"     | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 802.04' | 198°            | 100.217"  | 8" PVC SDR26 | 8.5"                                                                                                                                    | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                            | 12.129"   | 2.4"   | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                 |           |              |                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                 |           |              |                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                 |           |              |                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                 |           |              |                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                 |           |              |                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                 |           |              |                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                |           |        |        |  |

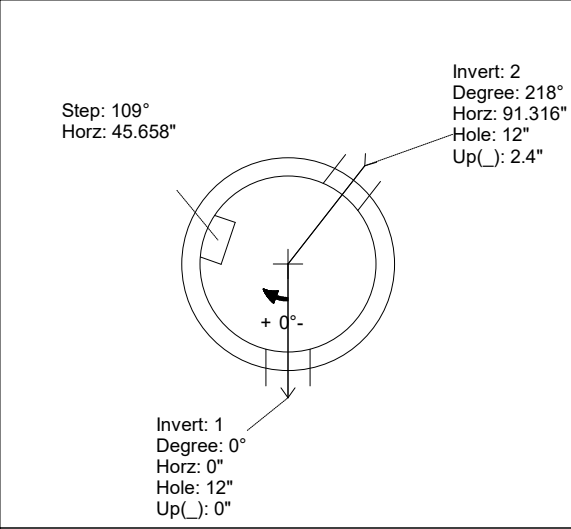
|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 23-2309 - Richland Estates Subdivision<br>Job Location: Portland, TN<br>Contractor: Core & Main LP (BG)                                                                                                                                                                                                                                                                                                                              |         |                 |           |              | Plant: 100<br>6/30/2026 8:52:25 AM                                                                                                                     |                | Tech: J. Horsley<br>PC: T. Lewis                                                                                                                                                                                                                                                                                                   |           |  |        |  |
| Structure ID: 04 SS-MH                                                                                                                                                                                                                                                                                                                                                                                                                         |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| P1 MH048BA24X                                                                                                                                                                                                                                                                                                                                                                                                                                  |         | MH BASE w/XYPEX |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| <p>P3) 24" - CASTING HEIGHT - 6"<br/>P2) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P1) 48" - MH BASE w/XYPEX - 24"</p> <p>1) JOINT WRAP - 0.065"x12"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT<br/>1) 48" - Conseal CS-231 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>5) MH Step ML-10-TDS-NCR - 10"</p> |         |                 |           |              | <p>0 lb<br/>1981 lb<br/>2911 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb<br/>-----<br/>Structure Total: 6348 lb</p> |                | <p>Structure Notes:</p> <p>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. ADMIXTURE = XYPEX C-500 NF RED<br/>4. CASTING BY OTHERS (JBS 1155 F/C SANITARY).</p> <p>REINFORCING PER ASTM A615 (GRADE 60).<br/>- CONE (As .12)<br/>- RISER (As .12)<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</p> |           |                                                                                    |        |  |
| Rim: 806.3' Rim to Invert: 5.05' Slack: 2.6" Sump: 2" Step Position: 109°                                                                                                                                                                                                                                                                                                                                                                      |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                       | Elev    | Angle           | Ext. (cw) | Pipe         | Pipe OD                                                                                                                                                | Connector      | Hole                                                                                                                                                                                                                                                                                                                               | Horz Size | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                       | 801.25' | 0°              | 0"        | 8" PVC SDR26 | 8.5"                                                                                                                                                   | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                                | 12.129"   | 0"                                                                                 | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                       | 801.45' | 218°            | 110.34"   | 8" PVC SDR26 | 8.5"                                                                                                                                                   | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                                | 12.129"   | 2.4"                                                                               | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |



(P3)  
(P2)  
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

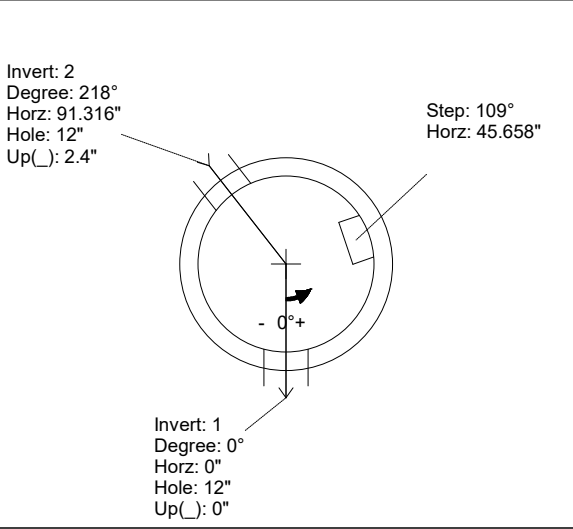


Step: 109°  
Horz: 45.658"

Invert: 2  
Degree: 218°  
Horz: 91.316"  
Hole: 12"  
Up( ): 2.4"

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

UPSIDE-DOWN VIEW (int. dimensions)

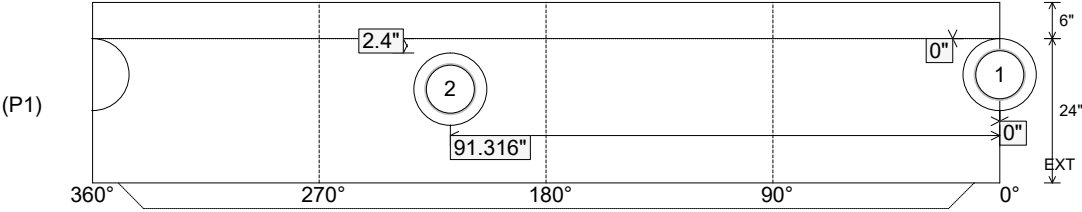


Step: 109°  
Horz: 45.658"

Invert: 2  
Degree: 218°  
Horz: 91.316"  
Hole: 12"  
Up( ): 2.4"

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

INSIDE WALL DIMENSIONS



(P1)

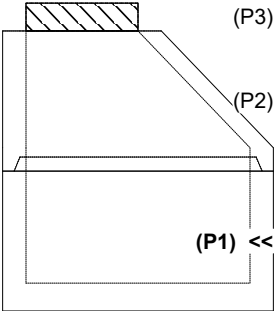
360° 270° 180° 90° 0°

2.4" 91.316" 0" 1 0"

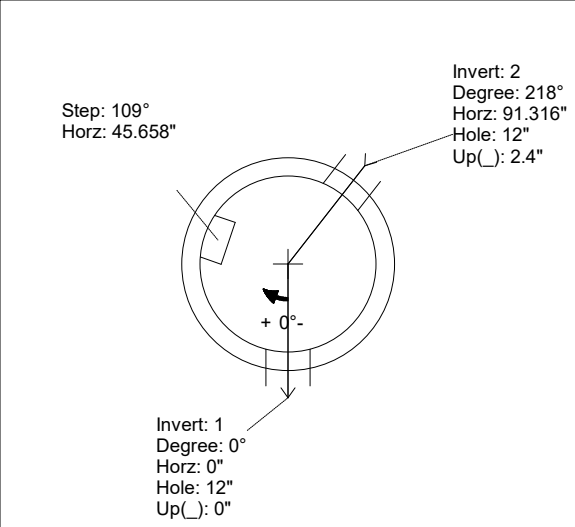
6" 24" EXT

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

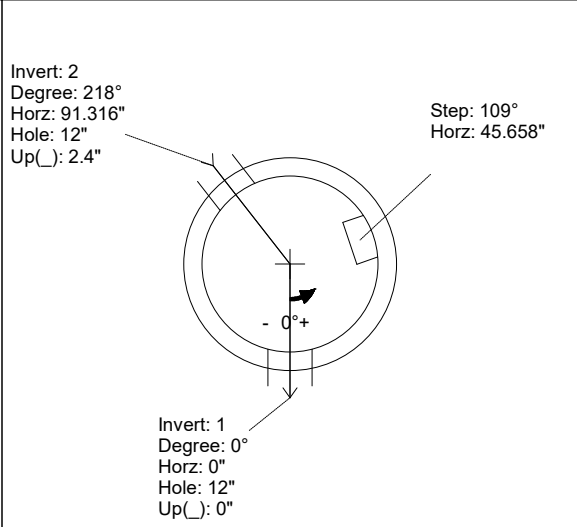
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 23-2309 - Richland Estates Subdivision<br>Job Location: Portland, TN<br>Contractor: Core & Main LP (BG)                                                                                                                                                                                                                                                                                                                              |         |                 |           |              | Plant: 100<br>6/30/2026 8:52:25 AM                                                                                                                     |                | Tech: J. Horsley<br>PC: T. Lewis                                                                                                                                                                                                                                                                                                   |           |  |        |  |
| Structure ID: 04 SS-MH                                                                                                                                                                                                                                                                                                                                                                                                                         |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| P1 MH048BA24X                                                                                                                                                                                                                                                                                                                                                                                                                                  |         | MH BASE w/XYPEX |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| <p>P3) 24" - CASTING HEIGHT - 6"<br/>P2) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"<br/>P1) 48" - MH BASE w/XYPEX - 24"</p> <p>1) JOINT WRAP - 0.065"x12"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT<br/>1) 48" - Conseal CS-231 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 12-08 NYLO<br/>5) MH Step ML-10-TDS-NCR - 10"</p> |         |                 |           |              | <p>0 lb<br/>1981 lb<br/>2911 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb<br/>-----<br/>Structure Total: 6348 lb</p> |                | <p>Structure Notes:</p> <p>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. ADMIXTURE = XYPEX C-500 NF RED<br/>4. CASTING BY OTHERS (JBS 1155 F/C SANITARY).</p> <p>REINFORCING PER ASTM A615 (GRADE 60).<br/>- CONE (As .12)<br/>- RISER (As .12)<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</p> |           |                                                                                    |        |  |
| Rim: 806.3' Rim to Invert: 5.05' Slack: 2.6" Sump: 2" Step Position: 109°                                                                                                                                                                                                                                                                                                                                                                      |         |                 |           |              | INVERT CHANNEL DRAWING<br>FULL HEIGHT INVERT                                                                                                           |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                       | Elev    | Angle           | Ext. (cw) | Pipe         | Pipe OD                                                                                                                                                | Connector      | Hole                                                                                                                                                                                                                                                                                                                               | Horz Size | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                       | 801.25' | 0°              | 0"        | 8" PVC SDR26 | 8.5"                                                                                                                                                   | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                                | 12.129"   | 0"                                                                                 | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                       | 801.45' | 218°            | 110.34"   | 8" PVC SDR26 | 8.5"                                                                                                                                                   | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                                | 12.129"   | 2.4"                                                                               | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                 |           |              |                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |



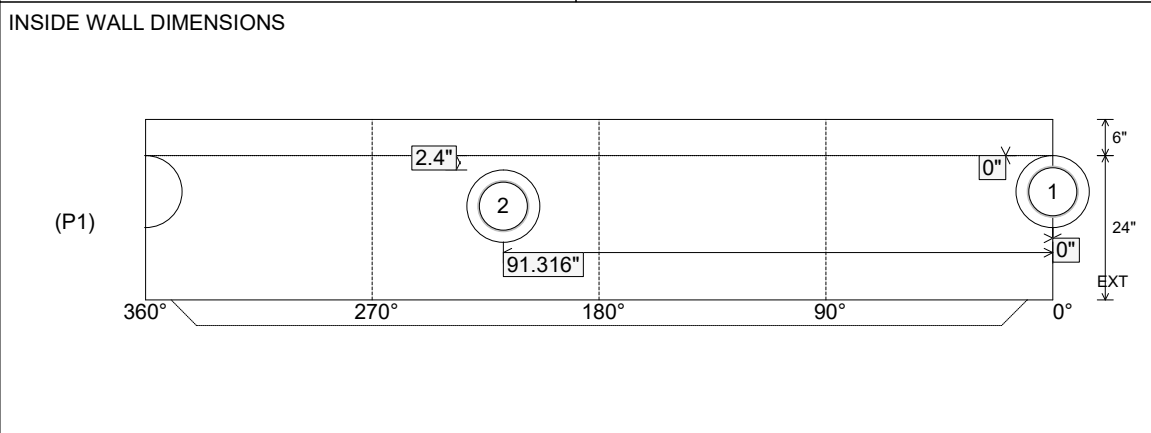
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



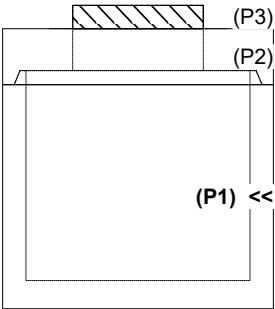
|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------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



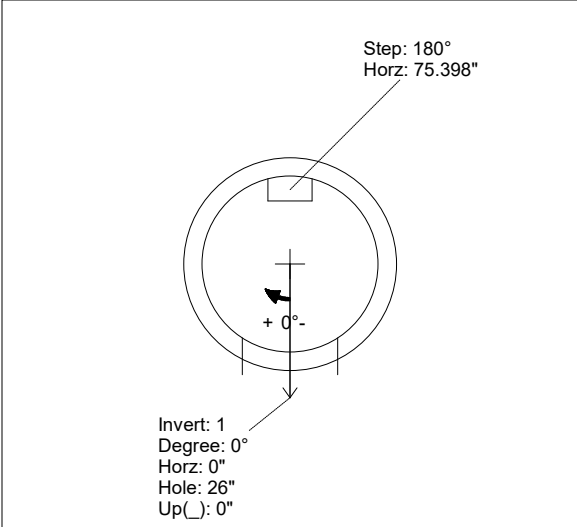


SUBMITTAL  
APPROVED BY:

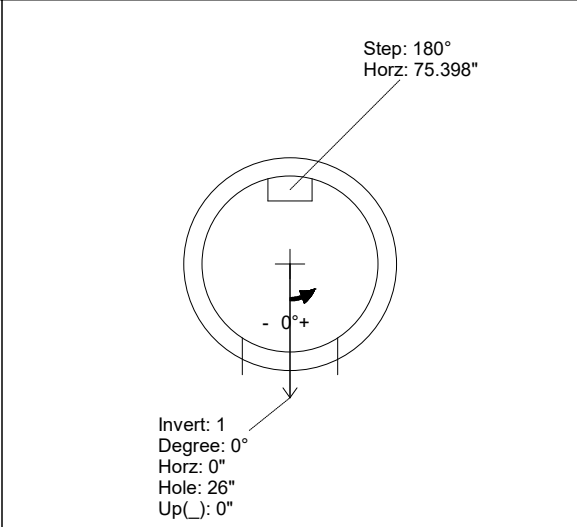
|                                                                                                                                                                                                                                                                                                                                                   |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-----------|----------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 25-1401 Irwin Landing Ph. 1<br>Job Location: Murfreesboro, TN<br>Contractor: Bear Construction LLC                                                                                                                                                                                                                                      |         |           |           |                | Plant: Beaver Dam<br>6/9/2026 10:37:19 AM |                                                                                                                                       | Tech: S. Felletter<br>PC: Erica Bradley |                                                                                                                                                                                                                                                                                                                               |  |        |  |
| Structure ID: R34                                                                                                                                                                                                                                                                                                                                 |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
| P1                                                                                                                                                                                                                                                                                                                                                |         | MH048BA42 |           | MH BASE T/n    |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
| <p>P3) 28" x 28" - CASTING HEIGHT - 5"<br/>P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"<br/>P1) 48" - MH BASE T/n - 42"<br/>1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT<br/>1) CASTING - JBS 3104-V SINGLE SET<br/>1) 48" - Conseal CS-102 1.00"<br/>1) 28" x 28" - Conseal CS-102 1.00"<br/>1) Hole - 26<br/>3) MH Step ML-10-TDS-NCR - 10"</p> |         |           |           |                |                                           | <p>0 lb<br/>1368 lb<br/>4031 lb<br/>1075 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>-----<br/>Structure Total: 6724 lb</p> |                                         | <p>Structure Notes: .<br/>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. CASTING BY ICAST (JBS-3104 SINGLE SET).<br/>.<br/>REINFORCING PER ASTM A615 (GRADE 60).<br/>- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..<br/>- RISER/WALLS (As .12)<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</p> |                                                                                    |        |  |
| Rim: 595.84' Rim to Invert: 4.88' Slack: 2.06" Sump: 2.5" Step Position: 180°                                                                                                                                                                                                                                                                     |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                          | Elev    | Angle     | Ext. (cw) | Pipe           | Pipe OD                                   | Connector                                                                                                                             | Hole                                    | Horz Size                                                                                                                                                                                                                                                                                                                     | Up ( _ )                                                                           | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                          | 590.96' | 0°        | 0"        | 18" RCP B WALL | 23"                                       | Hole 26                                                                                                                               | 26"                                     | 27.476"                                                                                                                                                                                                                                                                                                                       | 0"                                                                                 | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                          |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                          |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                          |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                          |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                          |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                          |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                          |         |           |           |                |                                           |                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                               |                                                                                    |        |  |



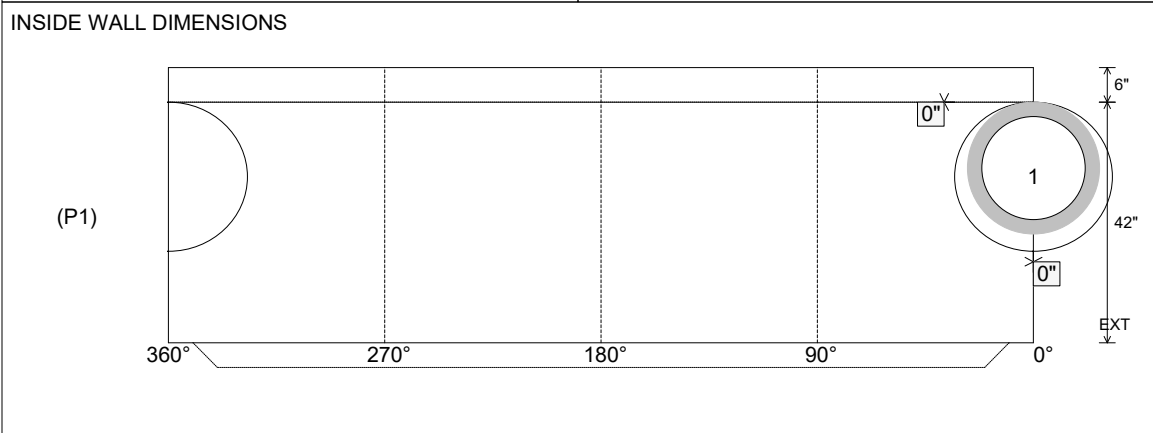
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

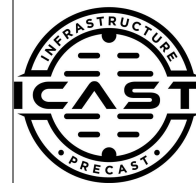


INSIDE WALL DIMENSIONS

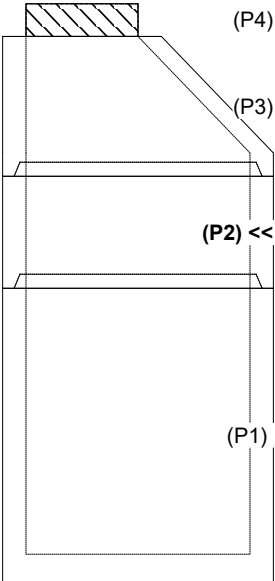
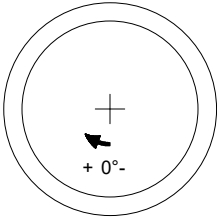
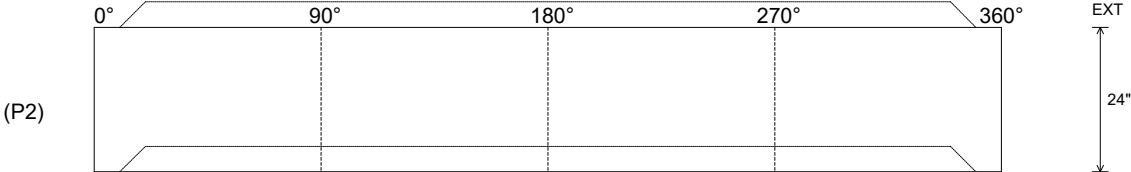


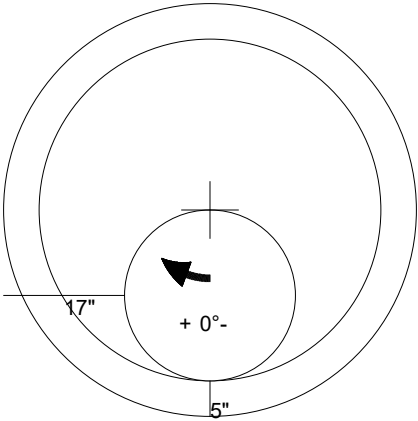
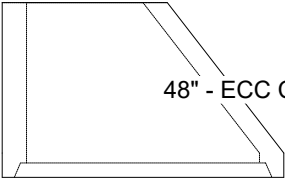
|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: n/a | Wall Thickness: 5"<br>Floor Height: 6" | Height (Int): 42"<br>Height (Ext): 48" | Weight (Net): 4031 lb<br>Volume (Net): 1.03cu.yd |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|



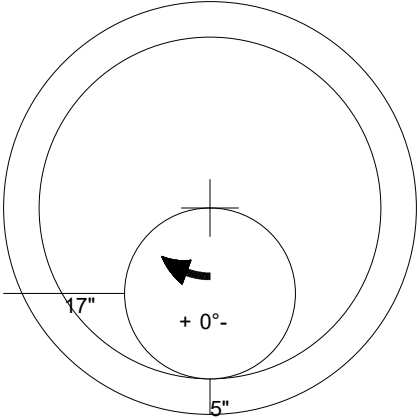
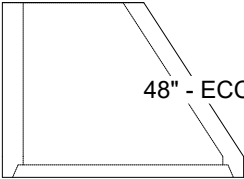


|                         |
|-------------------------|
| Weight (Net): 4031 lb   |
| Volume (Net): 1.03cu.yd |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 26-1066 - Gunning Pump Station & Force Main<br>Job Location: Bardstown, KY<br>Contractor: Connhurst, LLC                                                                                                                                                                                                                                                                                                                                                        |      |       |                                    |      | Plant: 100<br>6/2/2026 10:56:53 AM                                                                                                        |           | Tech: Jared - F<br>PC: E. Bradley                                                                                                                                                                                                                                                                                                                                                                                     |           |  |        |  |
| <b>Structure ID: A3 (7)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| <b>P2 MH048RS24S MH RISER T/G</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| <p>P4) 24" - CASTING HEIGHT - 7"<br/>P3) 48" - ECC CONE w/ 24" HOLE F/G - 30"<br/>P2) 48" - MH RISER T/G - 24"<br/>P1) 48" - MH BASE Custom Ht T/n - 57"<br/>1) 48" - MH INVERT CHANNEL - FULL HEIGHT<br/>1) JOINT WRAP - 12" WD x 048" MAC WRAP<br/>2) 48" - Conseal CS-102 1.00" (Double)<br/>1) PSX - 16M DD<br/>1) Drop Tee - 12" PVC<br/>1) Drop Elbow - 12" PVC</p>                                                                                                 |      |       |                                    |      | <p>0 lb<br/>2050 lb<br/>1677 lb<br/>5122 lb<br/>1440 lb<br/>0 lb<br/>0 lb<br/>8 lb<br/>0 lb<br/>0 lb</p> <p>Structure Total: 10297 lb</p> |           | <p><b>Structure Notes:</b></p> <p>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. NO STEPS.<br/>4. CASTING SUPPLIED BY OTHERS.<br/>5. EXTERIOR DROP ASSEMBLY PROVIDED BY ICAST.<br/>6. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS.</p> <p>REINFORCING PER ASTM A615 (GRADE 60).<br/>- CONE (As .12)<br/>- RISER/WALLS (As .12)<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</p> |           |                                                                                    |        |  |
| Rim: 552.77' Rim to Invert: 9.68' Slack: 0.16" Sump: 2" Step Position:                                                                                                                                                                                                                                                                                                                                                                                                    |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Elev | Angle | Ext. (cw)                          | Pipe | Pipe OD                                                                                                                                   | Connector | Hole                                                                                                                                                                                                                                                                                                                                                                                                                  | Horz Size | Up ( _ )                                                                           | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| <div><div><p>(P4)</p><p>(P3)</p><p>(P2) &lt;&lt;</p><p>(P1)</p></div><div><p>RIGHT-SIDE UP VIEW (int. dimensions)</p><p>+ 0°-</p></div><div><p>INSIDE WALL DIMENSIONS</p><p>(P2)</p><p>EXT 24"</p></div></div> |      |       |                                    |      |                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                    |        |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       | Seam Up: Tongue<br>Seam Dn: Groove |      | Wall Thickness: 5"<br>Floor Height: 0"                                                                                                    |           | Height (Int): 24"<br>Height (Ext): 24"                                                                                                                                                                                                                                                                                                                                                                                |           | Weight (Net): 1677 lb<br>Volume (Net): 0.43cu.yd                                   |        |  |

|                                                                                                                                                                                                                                                                                                           |                                  |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Job Name: 26-1066 - Gunning Pump Station & Force Main<br>Job Location: Bardstown, KY<br>Contractor: Connhurst, LLC                                                                                                                                                                                        |                                  | Plant: 100<br>6/2/2026 10:56:11 AM                                                                                              | Tech: Jared - F<br>PC: E. Bradley                                                                                                                                                                                                                                                                                                                               |  |
| Structure ID: A2 (6)                                                                                                                                                                                                                                                                                      |                                  |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                    |
| P3 MH048CN36-S                                                                                                                                                                                                                                                                                            |                                  | ECC CONE w/ 24" HOLE F/G                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                    |
| <p>P4) 24" - CASTING HEIGHT - 7"<br/>P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"<br/>P2) 48" - MH RISER T/G - 60"<br/>P1) 48" - MH BASE T/n - 30"<br/>1) 48" - MH INVERT CHANNEL - FULL HEIGHT<br/>1) JOINT WRAP - 12" WD x 048" MAC WRAP<br/>2) 48" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 16M DD</p> |                                  | <p>0 lb<br/>3000 lb<br/>4192 lb<br/>3255 lb<br/>1440 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>-----<br/>Structure Total: 11902 lb</p> | <p>Structure Notes: .<br/>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. NO STEPS.<br/>4. CASTING SUPPLIED BY OTHERS.<br/>5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS.<br/>.<br/>REINFORCING PER ASTM A615 (GRADE 60).<br/>- CONE (As .12)<br/>- RISER/WALLS (As .12)<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</p> |                                                                                    |
|                                                                                                                                                                                                                        |                                  |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                    |
|  <p>48" - ECC CONE w/ 24" HOLE F/G - 36" - (P3)</p>                                                                                                                                                                    |                                  |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                    |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                          | Seam Up: Flat<br>Seam Dn: Groove | Wall Thickness: 5"                                                                                                              | Height (Ext): 36"                                                                                                                                                                                                                                                                                                                                               | Weight (Net): 3000 lb<br>Volume (Net): 0.5cu.yd                                    |



|                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|
| Job Name: 26-1066 - Gunning Pump Station & Force Main<br>Job Location: Bardstown, KY<br>Contractor: Connhurst, LLC                                                                                                                                                                                        |  | Plant: 100<br>6/2/2026 10:56:10 AM                                                                                              | Tech: Jared - F<br>PC: E. Bradley                                                                                                                                                                                                                                                                                                                                   |  |                                                 |
| <b>Structure ID: A1 (5)</b>                                                                                                                                                                                                                                                                               |  |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                 |
| <b>P3 MH048CN42-S</b>                                                                                                                                                                                                                                                                                     |  | <b>ECC CONE w/ 24" HOLE F/G</b>                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                 |
| <p>P4) 24" - CASTING HEIGHT - 7"<br/>P3) 48" - ECC CONE w/ 24" HOLE F/G - 42"<br/>P2) 48" - MH RISER T/G - 60"<br/>P1) 48" - MH BASE T/n - 30"<br/>1) 48" - MH INVERT CHANNEL - FULL HEIGHT<br/>1) JOINT WRAP - 12" WD x 048" MAC WRAP<br/>2) 48" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 16M DD</p> |  | <p>0 lb<br/>3200 lb<br/>4192 lb<br/>3255 lb<br/>1440 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>-----<br/>Structure Total: 12102 lb</p> | <p><b>Structure Notes:</b> .<br/>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. NO STEPS.<br/>4. CASTING SUPPLIED BY OTHERS.<br/>5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS.</p> <p>REINFORCING PER ASTM A615 (GRADE 60).<br/>- CONE (As .12)<br/>- RISER/WALLS (As .12)<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</p> |                                                                                    |                                                 |
|                                                                                                                                                                                                                        |  |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                 |
|  <p>48" - ECC CONE w/ 24" HOLE F/G - 42" - (P3)</p>                                                                                                                                                                    |  |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                 |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                          |  | Seam Up: Flat<br>Seam Dn: Groove                                                                                                | Wall Thickness: 5"                                                                                                                                                                                                                                                                                                                                                  | Height (Ext): 42"                                                                  | Weight (Net): 3200 lb<br>Volume (Net): 0.5cu.yd |

|                                                                                                                                                                                                                                                                                                                           |                                |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Job Name: 25-4488 - WVDOT Wood Co NHPP-0068(192)                                                                                                                                                                                                                                                                          |                                | Plant: 100                                                                                                                      | Tech: Jared - F                                                                                                                                                                                                                                                                                                                                                           |
| Job Location: Parkersburg, WV                                                                                                                                                                                                                                                                                             |                                | 3/26/2026 1:44:55 PM                                                                                                            | PC: E. Bradley                                                                                                                                                                                                                                                                                                                                                            |
| Contractor: Triton Construction                                                                                                                                                                                                                                                                                           |                                |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                           |
| Structure ID: MH-04                                                                                                                                                                                                                                                                                                       |                                |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                           |
| P3                                                                                                                                                                                                                                                                                                                        | MH060LD08                      | MH FLAT TOP w/ 24" ECC Hole F/F                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                           |
| P5) 24" - CASTING HEIGHT - 8.85"<br>P4) 24" - GRADE RING F/F - 3"<br>P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/F - 8"<br>P2) 60" - MH RISER F/G - 12"<br>P1) 60" - MH BASE T/h - 72"<br>1) CASTING - NEENAH R-1785 (F/C)<br>2) 60" - Conseal CS-102 1.00"<br>2) Hole - 40<br>1) Hole - 24<br>7) MH Step ML-10-TDS-NCR - 10" |                                | 0 lb<br>202 lb<br>2429 lb<br>1253 lb<br>8653 lb<br>294 lb<br>0 lb<br>0 lb<br>0 lb<br>0 lb<br>-----<br>Structure Total: 12832 lb | Structure Notes:<br>**WVDOT STATE PROJECT**<br>1. PER ASTM C478 SPECIFICATIONS.<br>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br>3. INVERT CHANNEL (BY OTHERS).<br>4. CASTING BY I-CAST (NEENAH R-1785 (F/C)).<br><br>REINFORCING PER ASTM A615 (GRADE 60).<br>- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..<br>- RISER/WALLS (As .18)<br>- FLOOR (As .37) #5 BARS AT 10" C.C.E.W. |
| <p><b>PLAN VIEW</b></p> <p><b>SECTION A-A</b></p> <p><b>NOTES:</b></p> <ol style="list-style-type: none"><li>1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).</li><li>2. CONCRETE: 4,000 PSI AT 28 DAYS.</li><li>3. REINFORCING: #5 BAR @ 6" O.C. E.W. (GRADE 60).</li></ol>                                              |                                |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                           |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                          | Seam Up: Flat<br>Seam Dn: Flat | Wall Thickness: 6"                                                                                                              | Height (Ext): 8"<br><br>Weight (Net): 2429 lb<br>Volume (Net): 0.62cu.yd                                                                                                                                                                                                                                                                                                  |

Job Name: 25-4212 - Greentree Lane Sewer  
Job Location: Mt. Washington, KY  
Contractor: Citgo Waterworks

Plant: 100

6/30/2026 12:37:20 PM

Tech: J. Horsley - F

PC: C. Goff



## Structure ID: A11 REV.A

### P1 MH060BAVF

### MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 4.75"  
P3) 48" - ECC CONE w/ 24" HOLE NO STEP - 24"  
P2) 60" - MH Transition Slab 48" Hole - 13"  
P1) 60" - MH BASE Custom Ht - 48"  
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212  
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)  
1) 60" - MH INVERT CHANNEL - FULL HEIGHT  
1) SPECIAL EXTERNAL COATING - CARBOLINE 300M  
1) 60" - Conseal CS-102 1.00" (Double)  
1) 48" - Conseal CS-102 1.00" (Double)  
1) 24" - Conseal CS-102 1.00" (Double)  
1) Kor-N-Seal2 - S206-22  
1) PSX - 12-06 NYLO  
1) PSX - 14M DD  
163.59 SqFt) Carboline Bitumastic 300M [EXT]

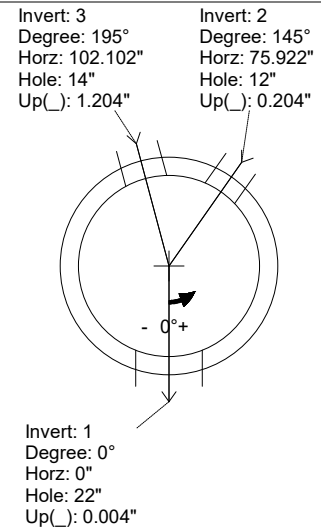
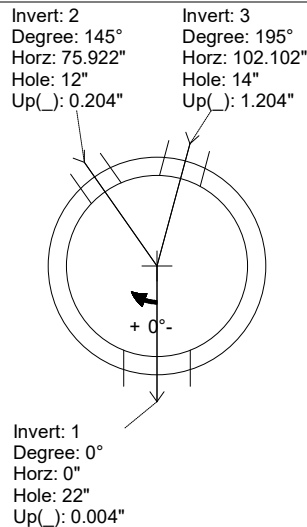
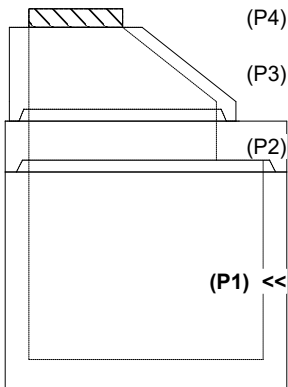
- 0 lb  
1550 lb  
1928 lb  
7413 lb  
0 lb  
0 lb  
2692 lb  
0 lb  
0 lb  
0 lb  
0 lb  
6 lb  
8 lb  
8 lb  
0 lb
- Structure Notes:**  
1. PER ASTM C478 SPECIFICATIONS.  
2. CONCRETE = 4,000 PSI AT 28 DAYS.  
3. NO STEPS.  
4. CASTING SUPPLIED BY OTHERS.  
5. CARBOLINE 300M >>EXTERIOR COATING ONLY<<  
REINFORCING PER ASTM A615 (GRADE 60).  
- CONE (As .12)  
- RISER/WALLS (As .12)  
- TRANSITION SLAB (As .31) #5 BARS AT 6" C.C.E.W.  
- RISER/WALLS (As .18)  
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 696.33' Rim to Invert: 7.39' Slack: 0.934' Sump: 2.004' Structure Seal: 12605 lb

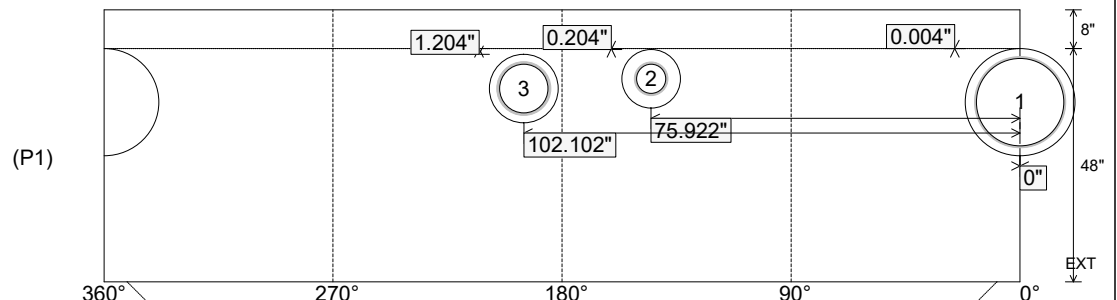
| Position | Elev    | Angle | Ext. (cw) | Pipe          | Pipe OD | Connector           | Hole | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|---------------|---------|---------------------|------|-----------|--------|--------|
| Invert 1 | 688.94' | 0°    | 0"        | 18" PVC SDR35 | 18.75"  | Kor-N-Seal2 S206-22 | 22"  | 22.525"   | 0.004" | 0"     |
| Invert 2 | 689.04' | 145°  | 91.106"   | 6" DI         | 6.875"  | PSX 12-06 NYLO      | 12"  | 12.081"   | 0.204" | 0"     |
| Invert 3 | 689.04' | 195°  | 122.522"  | 10" DI        | 11.1"   | PSX 14M DD          | 14"  | 14.13"    | 1.204" | 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): Carboline Bitumastic 300M

Seam Up: Tongue  
Seam Dn: n/a

Wall Thickness: 6"  
Floor Height: 8"

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

Weight (Net): 7413 lb  
Volume (Net): 1.89cu.yd



Job Name: 25-4212 - Greentree Lane Sewer  
Job Location: Mt. Washington, KY  
Contractor: Citgo Waterworks

Plant: 100

6/30/2026 12:37:20 PM

Tech: J. Horsley - F

PC: C. Goff



## Structure ID: A11 REV.A

### P1 MH060BAVF

### MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 4.75"  
P3) 48" - ECC CONE w/ 24" HOLE NO STEP - 24"  
P2) 60" - MH Transition Slab 48" Hole - 13"  
P1) 60" - MH BASE Custom Ht - 48"  
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212  
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)  
1) 60" - MH INVERT CHANNEL - FULL HEIGHT  
1) SPECIAL EXTERNAL COATING - CARBOLINE 300M  
1) 60" - Conseal CS-102 1.00" (Double)  
1) 48" - Conseal CS-102 1.00" (Double)  
1) 24" - Conseal CS-102 1.00" (Double)  
1) Kor-N-Seal2 - S206-22  
1) PSX - 12-06 NYLO  
1) PSX - 14M DD  
163.59 SqFt) Carboline Bitumastic 300M [EXT]

- 0 lb  
1550 lb  
1928 lb  
7413 lb  
0 lb  
0 lb  
2692 lb  
0 lb  
0 lb  
0 lb  
0 lb  
6 lb  
8 lb  
8 lb  
0 lb
- Structure Notes:**  
1. PER ASTM C478 SPECIFICATIONS.  
2. CONCRETE = 4,000 PSI AT 28 DAYS.  
3. NO STEPS.  
4. CASTING SUPPLIED BY OTHERS.  
5. CARBOLINE 300M >>EXTERIOR COATING ONLY<<  
REINFORCING PER ASTM A615 (GRADE 60).  
- CONE (As .12)  
- RISER/WALLS (As .12)  
- TRANSITION SLAB (As .31) #5 BARS AT 6" C.C.E.W.  
- RISER/WALLS (As .18)  
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

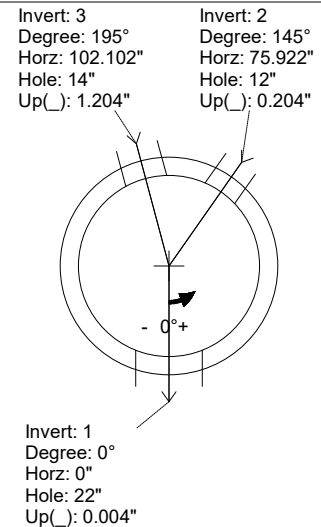
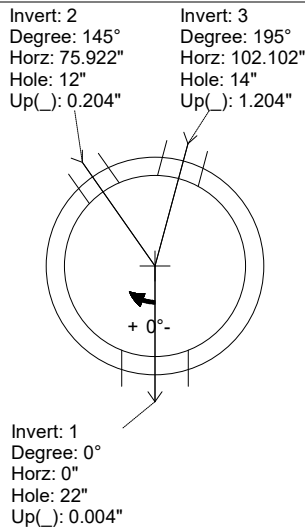
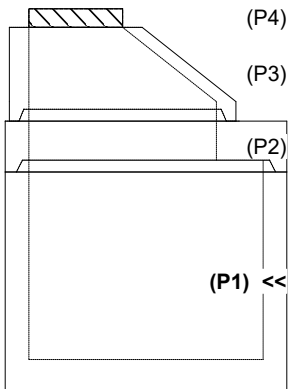
**INVERT CHANNEL DRAWING  
FULL HEIGHT INVERT**

Rim: 696.33' Rim to Invert: 7.39' Slack: 0.934' Sump: 2.004' Structure Seal: 12605 lb

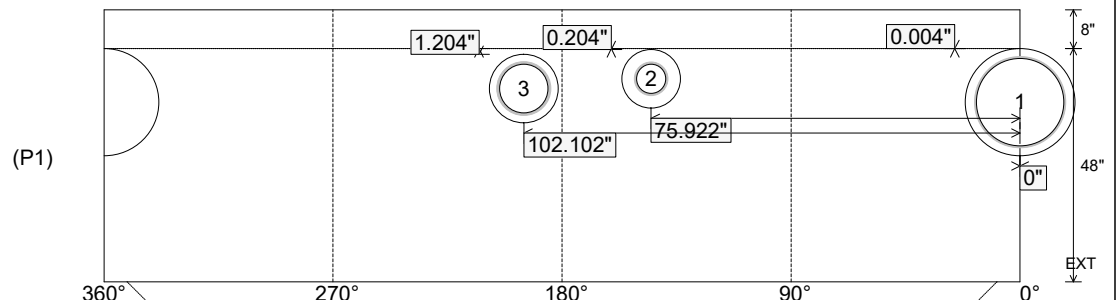
| Position | Elev    | Angle | Ext. (cw) | Pipe          | Pipe OD | Connector           | Hole | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|---------------|---------|---------------------|------|-----------|--------|--------|
| Invert 1 | 688.94' | 0°    | 0"        | 18" PVC SDR35 | 18.75"  | Kor-N-Seal2 S206-22 | 22"  | 22.525"   | 0.004" | 0"     |
| Invert 2 | 689.04' | 145°  | 91.106"   | 6" DI         | 6.875"  | PSX 12-06 NYLO      | 12"  | 12.081"   | 0.204" | 0"     |
| Invert 3 | 689.04' | 195°  | 122.522"  | 10" DI        | 11.1"   | PSX 14M DD          | 14"  | 14.13"    | 1.204" | 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): Carboline Bitumastic 300M

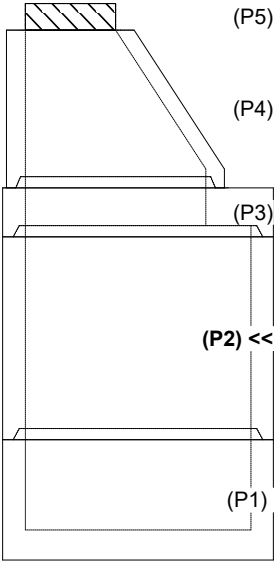
Seam Up: Tongue  
Seam Dn: n/a

Wall Thickness: 6"  
Floor Height: 8"

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

Weight (Net): 7413 lb  
Volume (Net): 1.89cu.yd

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                       |           |                                   |         |                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------|-----------|-----------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--|--|
| Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion<br>Job Location: Shepherdsville, KY<br>Contractor: Pace Contracting, LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |                       |           | Plant: 100<br>6/4/2026 1:36:33 PM |         | Tech: Jared - F<br>PC: J Jarvis                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                               |        |        |  |  |
| Structure ID: MH-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                       |           |                                   |         |                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |  |  |
| P2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | MH060RS54             |           | MH RISER T/G                      |         |                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |  |  |
| <p>P5) 24" - CASTING HEIGHT - 7"<br/>P4) 48" - ECC CONE w/ 24" HOLE F/G - 42"<br/>P3) 60" - MH Transition Slab 48" Hole T/G - 13"<br/>P2) 60" - MH RISER T/G - 54"<br/>P1) 60" - MH BASE T/h - 24"</p> <p>1) Chimney Seal - Cretex Chimney Seal<br/>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) 60" - MH INVERT CHANNEL - FULL HEIGHT<br/>1) CASTING - HOE MC-375-WT F/C Sanitary<br/>2) 60" - Conseal CS-102 1.00" (Double)<br/>1) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 16Y NYLO<br/>11) MH Step ML-10-TDS-NCR - 10"</p> |      |                       |           |                                   |         | <p>0 lb<br/>3200 lb<br/>1928 lb<br/>5637 lb<br/>5034 lb<br/>10 lb<br/>0 lb<br/>0 lb<br/>2692 lb<br/>271 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>16 lb<br/>0 lb</p> |      | <p>Structure Notes:</p> <p>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY).<br/>4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST.</p> <p>REINFORCING PER ASTM A615 (GRADE 60).<br/>- CONE (As .12)<br/>- TRANS. SLAB (As .31) #5 BARS AT 6" C.C.E.W.<br/>- RISER/WALLS (As .18)<br/>- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.</p> |        |        |  |  |
| Rim: 449'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | Rim to Invert: 11.45' |           | Slack: 0.4"                       |         | Sump: 3"                                                                                                                                                              |      | Structure Total: 18788 lb<br>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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |                       |           |                                   |         |                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |  |  |



(P5)

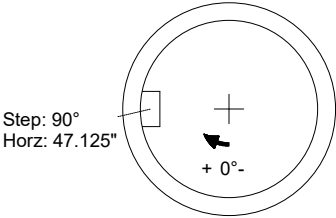
(P4)

(P3)

(P2) <<

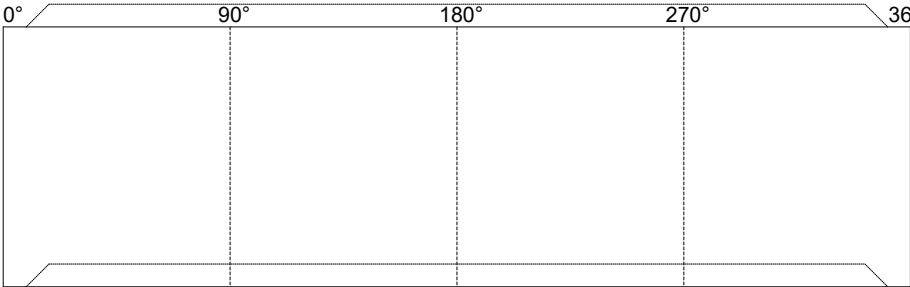
(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



Step: 90°  
Horz: 47.125"  
+ 0°-

INSIDE WALL DIMENSIONS



0° 90° 180° 270° 360°

EXT 54"

(P2)

|                                  |                                    |                                        |                                        |                                                  |
|----------------------------------|------------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: Groove | Wall Thickness: 6"<br>Floor Height: 0" | Height (Int): 54"<br>Height (Ext): 54" | Weight (Net): 5637 lb<br>Volume (Net): 1.44cu.yd |
|----------------------------------|------------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                   |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--------|
| Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements<br>Job Location: Fort Mitchell, KY 41017<br>Contractor: Lykins Contracting                                                                                                                                                                                                                                                                  |         |       |                                     |                    | Plant: 100                                                                                                                        |            | Tech: J. Horsley - A                                                                                                                                                                                                                                                                                                                   |           |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   |         |       |                                     |                    | 3/20/2026 1:21:42 PM                                                                                                              |            | PC: Celina Goff                                                                                                                                                                                                                                                                                                                        |           |        |        |
| <b>Structure ID: 2301557</b>                                                                                                                                                                                                                                                                                                                                                                      |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
| <b>P1 MH060BAVF</b>                                                                                                                                                                                                                                                                                                                                                                               |         |       | <b>MH BASE (10"F) Custom Ht T/n</b> |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
| P5) 24" - CASTING HEIGHT - 7"<br>P4) 48" - CON CONE w/24" HOLE F/G - 36"<br>P3) 48" - MH RISER T/G - 72"<br>P2) 60" - MH Transition Slab 48" Hole T/G - 15"<br>P1) 60" - MH BASE (10"F) Custom Ht T/n - 70"<br>1) 60" - MH INVERT CHANNEL - FULL HEIGHT<br>1) 60" - Conseal CS-102 1.00" (Double)<br>2) 48" - Conseal CS-102 1.00" (Double)<br>2) A-Lok - 1235<br>15) MH Step ML-10-TDS-NCR - 10" |         |       |                                     |                    | 0 lb<br>2252 lb<br>5030 lb<br>2204 lb<br>9370 lb<br>2692 lb<br>0 lb<br>0 lb<br>2 lb<br>0 lb<br>-----<br>Structure Total: 21550 lb |            | <b>Structure Notes:</b><br>1. PER ASTM C-478 SPECIFICATIONS<br>2. CONCRETE: 4,000 PSI AT 28 DAYS<br>3. REINFORCEMENT:<br>- WALLS: PER ASTM A615 - DOUBLE MAT<br>- FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br>4. INVERT CHANNEL REQUIRED<br>5. STEPS AT 90 DEGREES<br>6. 7" CASTING SUPPLIED BY OTHERS |           |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
| Rim: 757.26'    Rim to Invert: 16.64'    Slack: 2.68"    Sump: 3"    Step Position: 90°                                                                                                                                                                                                                                                                                                           |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                          | Elev    | Angle | Ext. (cw)                           | Pipe               | Pipe OD                                                                                                                           | Connector  | Hole                                                                                                                                                                                                                                                                                                                                   | Horz Size | Up ( ) | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                          | 740.62' | 0°    | 0"                                  | 36" PVC SDR35/F679 | 38.3"                                                                                                                             | A-Lok 1235 | 39.88"                                                                                                                                                                                                                                                                                                                                 | 43.623"   | 1.125" | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                          | 740.72' | 210°  | 132"                                | 36" PVC SDR35/F679 | 38.3"                                                                                                                             | A-Lok 1235 | 39.88"                                                                                                                                                                                                                                                                                                                                 | 43.623"   | 2.25"  | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                          |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                          |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                          |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                          |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                          |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                          |         |       |                                     |                    |                                                                                                                                   |            |                                                                                                                                                                                                                                                                                                                                        |           |        |        |

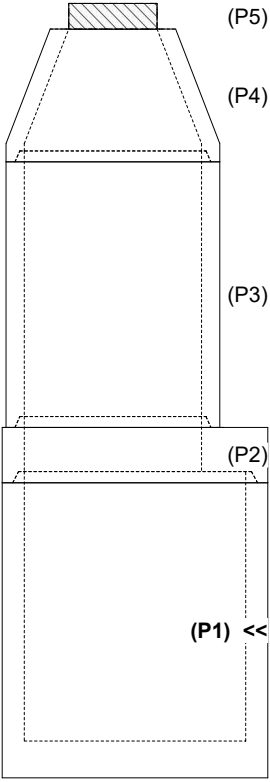
**RIGHT-SIDE UP VIEW (int. dimensions)**

**UPSIDE-DOWN VIEW (int. dimenions)**

**INSIDE WALL DIMENSIONS**

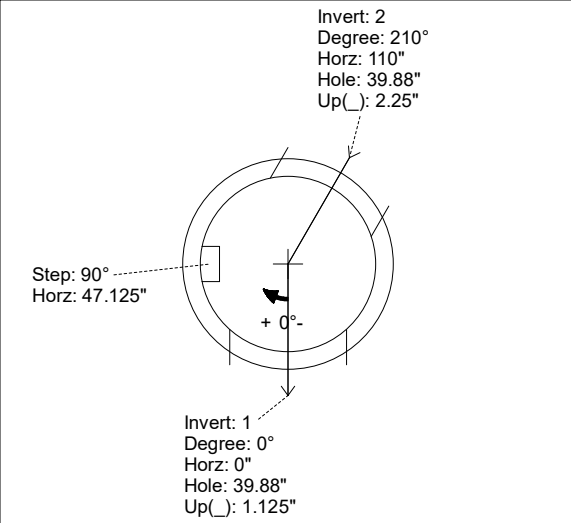
|                |                 |                    |                   |                         |
|----------------|-----------------|--------------------|-------------------|-------------------------|
| Coating (Int): | Seam Up: Tongue | Wall Thickness: 6" | Height (Int): 70" | Weight (Net): 9370 lb   |
| Coating (Ext): | Seam Dn: n/a    | Floor Height: 10"  | Height (Ext): 80" | Volume (Net): 2.39cu.yd |

|                                                                                                                                                                                                                                                                                                                                                                                                                   |         |       |           |                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|--------|--------|
| Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements<br>Job Location: Fort Mitchell, KY 41017<br>Contractor: Lykins Contracting                                                                                                                                                                                                                                                                                  |         |       |           | Plant: 100<br>3/20/2026 1:21:42 PM                                                                                                                  |         | Tech: J. Horsley - A<br>PC: Celina Goff                                                                                                                                                                                                                                                                                                        |        |  |        |        |
| Structure ID: 2301557                                                                                                                                                                                                                                                                                                                                                                                             |         |       |           |                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |
| P1 MH060BAVF                                                                                                                                                                                                                                                                                                                                                                                                      |         |       |           | MH BASE (10"F) Custom Ht T/n                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |
| <p>P5) 24" - CASTING HEIGHT - 7"<br/>P4) 48" - CON CONE w/24" HOLE F/G - 36"<br/>P3) 48" - MH RISER T/G - 72"<br/>P2) 60" - MH Transition Slab 48" Hole T/G - 15"<br/>P1) 60" - MH BASE (10"F) Custom Ht T/n - 70"<br/>1) 60" - MH INVERT CHANNEL - FULL HEIGHT<br/>1) 60" - Conseal CS-102 1.00" (Double)<br/>2) 48" - Conseal CS-102 1.00" (Double)<br/>2) A-Lok - 1235<br/>15) MH Step ML-10-TDS-NCR - 10"</p> |         |       |           | <p>0 lb<br/>2252 lb<br/>5030 lb<br/>2204 lb<br/>9370 lb<br/>2692 lb<br/>0 lb<br/>0 lb<br/>2 lb<br/>0 lb<br/>-----<br/>Structure Total: 21550 lb</p> |         | <p>Structure Notes:<br/>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT:<br/>- WALLS: PER ASTM A615 - DOUBLE MAT<br/>- FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 90 DEGREES<br/>6. 7" CASTING SUPPLIED BY OTHERS</p> |        |                                                                                    |        |        |
| Rim: 757.26' Rim to Invert: 16.64' Slack: 2.68" Sump: 3" Step Position: 90°                                                                                                                                                                                                                                                                                                                                       |         |       |           |                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                          | Elev    | Angle | Ext. (cw) | Pipe                                                                                                                                                | Pipe OD | Connector                                                                                                                                                                                                                                                                                                                                      | Hole   | Horz Size                                                                          | Up ( ) | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                          | 740.62' | 0°    | 0"        | 36" PVC SDR35/F679                                                                                                                                  | 38.3"   | A-Lok 1235                                                                                                                                                                                                                                                                                                                                     | 39.88" | 43.623"                                                                            | 1.125" | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                          | 740.72' | 210°  | 132"      | 36" PVC SDR35/F679                                                                                                                                  | 38.3"   | A-Lok 1235                                                                                                                                                                                                                                                                                                                                     | 39.88" | 43.623"                                                                            | 2.25"  | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |        |                                                                                    |        |        |



(P5)  
(P4)  
(P3)  
(P2)  
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2  
Degree: 210°  
Horz: 110"  
Hole: 39.88"  
Up( ): 2.25"

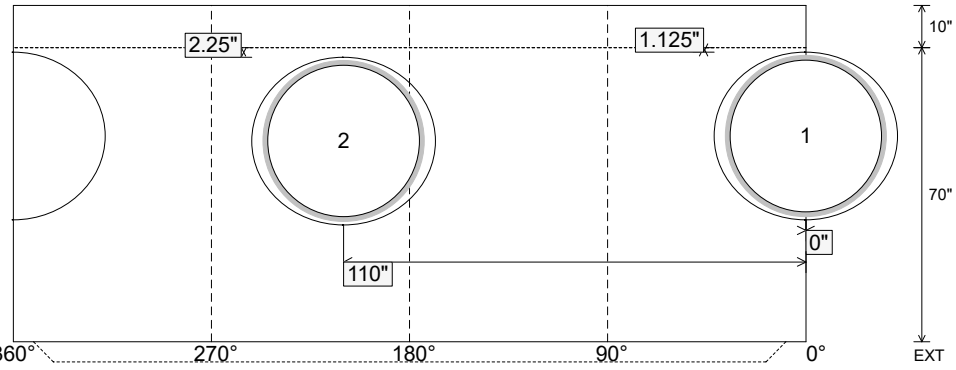
Step: 90°  
Horz: 47.125"

Invert: 1  
Degree: 0°  
Horz: 0"  
Hole: 39.88"  
Up( ): 1.125"

UPSIDE-DOWN VIEW (int. dimensions)

**INVERT CHANNEL DRAWING**

INSIDE WALL DIMENSIONS



2.25" 1.125" 10" 70" 0" 110" 360° 270° 180° 90° 0° EXT

|                                  |                                 |                                         |                                        |                                                  |
|----------------------------------|---------------------------------|-----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: n/a | Wall Thickness: 6"<br>Floor Height: 10" | Height (Int): 70"<br>Height (Ext): 80" | Weight (Net): 9370 lb<br>Volume (Net): 2.39cu.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 11:40:33 AM

Tech: J. Horsley - A

PC: Celina Goff



**Structure ID: 2301557**

**P2 MH060TS15-48ECC**

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

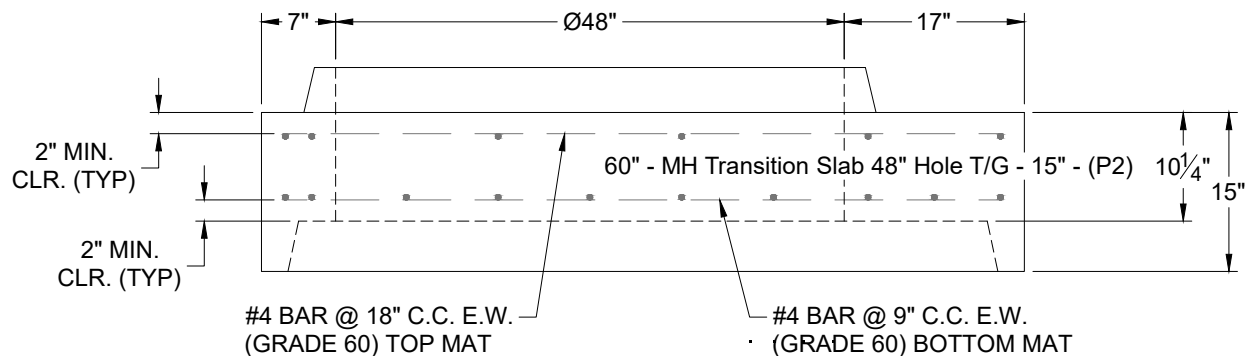
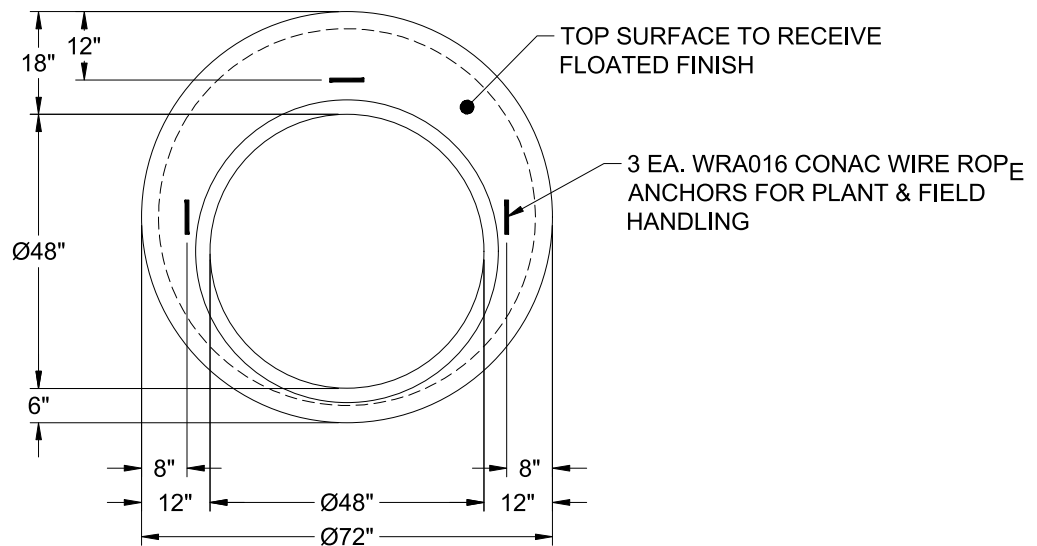
P5) 24" - CASTING HEIGHT - 7"  
P4) 48" - CON CONE w/24" HOLE F/G - 36"  
P3) 48" - MH RISER T/G - 72"  
P2) 60" - MH Transition Slab 48" Hole T/G - 15"  
P1) 60" - MH BASE (10"F) Custom Ht T/n - 70"  
1) 60" - MH INVERT CHANNEL - FULL HEIGHT  
1) 60" - Conseal CS-102 1.00" (Double)  
2) 48" - Conseal CS-102 1.00" (Double)  
2) A-Lok - 1235  
15) MH Step ML-10-TDS-NCR - 10"

Structure Total:

0 lb  
2252 lb  
5030 lb  
2204 lb  
9370 lb  
2692 lb  
0 lb  
0 lb  
2 lb  
0 lb  
-----  
21550 lb

Structure Notes:

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



Coating (Int):  
Coating (Ext):

Seam Up: Tongue  
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 15"

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

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion  
Job Location: Shepherdsville, KY  
Contractor: Pace Contracting, LLC

Plant: 100

6/3/2026 6:27:34 PM

Tech: Jared - F

PC: J Jarvis



## Structure ID: SCUM VAULT

### P1 MH072BAEVF

### MH BASE w/FLANGE (08F/07EF) T/n

- P3) 48" x 48" - CASTING HEIGHT - 0"  
P2) 72" - MH FLAT TOP w/48"x48" Hatch F/G - 15"  
P1) 72" - MH BASE w/FLANGE (08F/07EF) T/n - 51"  
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212  
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)  
1) HATCH (Alum.) - HALLIDAY W2S 48"x48"  
1) 72" - Conseal CS-102 1.00" (Double)  
1) 48" x 48" - Conseal CS-102 1.00" (Double)  
4) Z-Lok - C107-6  
1) PSX - 8QRS-S NYLO  
4) MH Step ML-10-TDS-NCR - 10"

0 lb  
3320 lb  
12452 lb  
0 lb  
0 lb  
126 lb  
0 lb  
0 lb  
4 lb  
6 lb  
0 lb  
-----  
Structure Total: 15909 lb

#### Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY I-CAST (HALLIDAY W2S 48"x48").

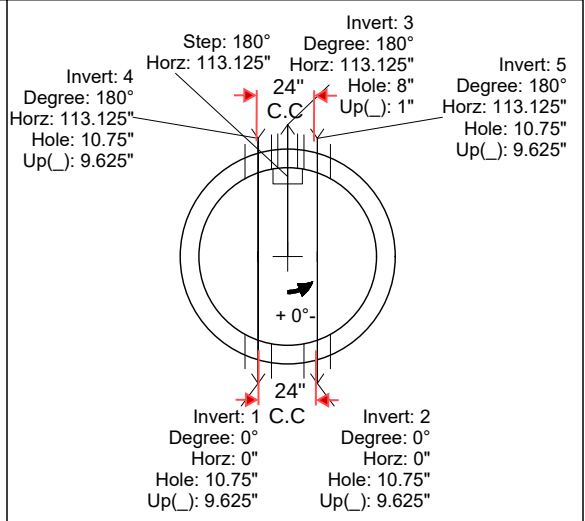
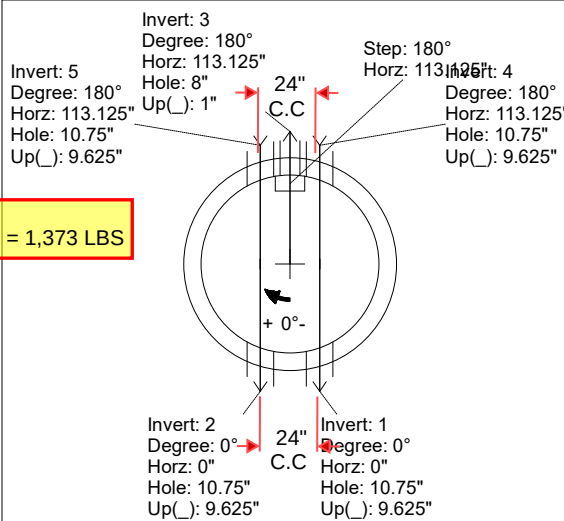
REINFORCING PER ASTM A615 (GRADE 60).  
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.  
- RISER/WALLS (As .12)  
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 454' Rim to Invert: 5.25' Slack: 0" Sump: 3" Step Position: 180°

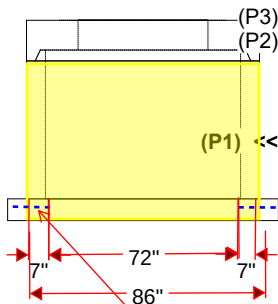
| Position | Elev    | Angle | Ext. (cw) | Pipe  | Pipe OD | Connector       | Hole   | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|-------|---------|-----------------|--------|-----------|--------|--------|
| Invert 1 | 449.5'  | 0°    | -12.125"  | 6" DI | 6.875"  | Z-Lok C107-6    | 10.75" | 11.469"   | 9.625" | -12"   |
| Invert 2 | 449.5'  | 0°    | 12.125"   | 6" DI | 6.875"  | Z-Lok C107-6    | 10.75" | 11.469"   | 9.625" | 12"    |
| Invert 3 | 448.75' | 180°  | 135.125"  | 4" DI | 4.75"   | PSX 8QRS-S NYLO | 8"     | 8.017"    | 1"     | 0"     |
| Invert 4 | 449.5'  | 180°  | 147.25"   | 6" DI | 6.875"  | Z-Lok C107-6    | 10.75" | 11.469"   | 9.625" | 12"    |
| Invert 5 | 449.5'  | 180°  | 122.875"  | 6" DI | 6.875"  | Z-Lok C107-6    | 10.75" | 11.469"   | 9.625" | -12"   |
| Invert 6 |         |       |           |       |         |                 |        |           |        |        |
| Invert 7 |         |       |           |       |         |                 |        |           |        |        |
| Invert 8 |         |       |           |       |         |                 |        |           |        |        |

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

#### UPSIDE-DOWN VIEW (int. dimensions)

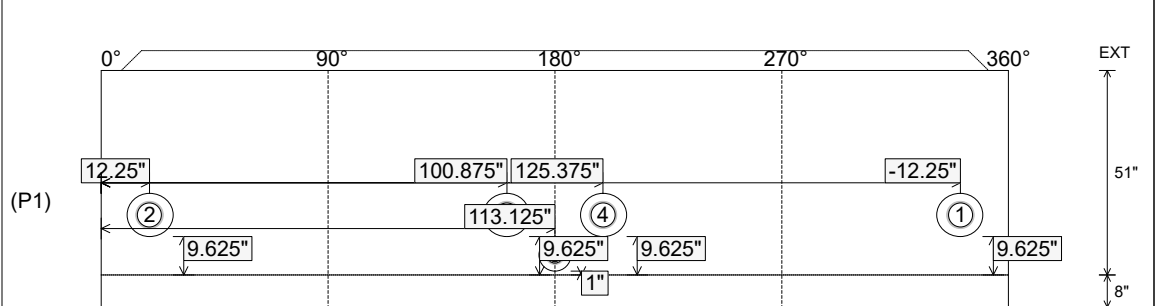


1ST POUR (BASE) = 11,079 LBS  
2ND POUR (EXTENDED FLANGE) = 1,373 LBS



#5 BAR DOWELS @ 18" O.C TO BE  
DRILLED IN BASE SLAB FOR FLANGE  
ATTACHMENT

#### INSIDE WALL DIMENSIONS



Coating (Int):  
Coating (Ext):

Seam Up: Tongue  
Seam Dn: n/a

Wall Thickness: 7"  
Floor Height: 8"

Height (Int): 51"  
Height (Ext): 59"

Weight (Net): 12452 lb  
Volume (Net): 3.18cu.yd

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion  
Job Location: Shepherdsville, KY  
Contractor: Pace Contracting, LLC

Plant: 100

6/3/2026 6:27:34 PM

Tech: Jared - F

PC: J Jarvis



## Structure ID: SCUM VAULT

### P1 MH072BAEVF

### MH BASE w/FLANGE (08F/07EF) T/n

- P3) 48" x 48" - CASTING HEIGHT - 0"  
P2) 72" - MH FLAT TOP w/48"x48" Hatch F/G - 15"  
P1) 72" - MH BASE w/FLANGE (08F/07EF) T/n - 51"  
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212  
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)  
1) HATCH (Alum.) - HALLIDAY W2S 48"x48"  
1) 72" - Conseal CS-102 1.00" (Double)  
1) 48" x 48" - Conseal CS-102 1.00" (Double)  
4) Z-Lok - C107-6  
1) PSX - 8QRS-S NYLO  
4) MH Step ML-10-TDS-NCR - 10"

0 lb  
3320 lb  
12452 lb  
0 lb  
0 lb  
126 lb  
0 lb  
0 lb  
0 lb  
4 lb  
6 lb  
0 lb  
-----  
Structure Total: 15909 lb

#### Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY I-CAST (HALLIDAY W2S 48"x48").

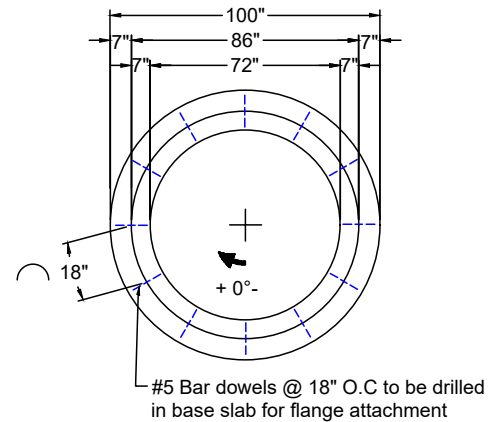
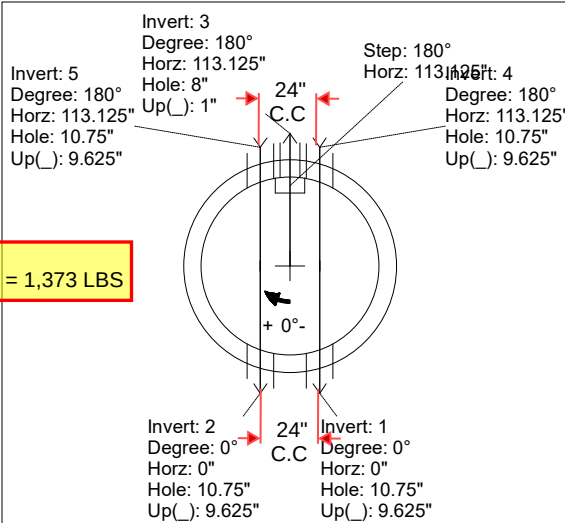
REINFORCING PER ASTM A615 (GRADE 60).  
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.  
- RISER/WALLS (As .12)  
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 454' Rim to Invert: 5.25' Slack: 0" Sump: 3" Step Position: 180°

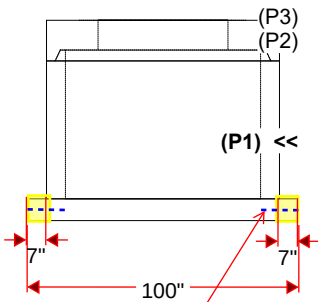
| Position | Elev    | Angle | Ext. (cw) | Pipe  | Pipe OD | Connector       | Hole   | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|-------|---------|-----------------|--------|-----------|--------|--------|
| Invert 1 | 449.5'  | 0°    | -12.125"  | 6" DI | 6.875"  | Z-Lok C107-6    | 10.75" | 11.469"   | 9.625" | -12"   |
| Invert 2 | 449.5'  | 0°    | 12.125"   | 6" DI | 6.875"  | Z-Lok C107-6    | 10.75" | 11.469"   | 9.625" | 12"    |
| Invert 3 | 448.75' | 180°  | 135.125"  | 4" DI | 4.75"   | PSX 8QRS-S NYLO | 8"     | 8.017"    | 1"     | 0"     |
| Invert 4 | 449.5'  | 180°  | 147.25"   | 6" DI | 6.875"  | Z-Lok C107-6    | 10.75" | 11.469"   | 9.625" | 12"    |
| Invert 5 | 449.5'  | 180°  | 122.875"  | 6" DI | 6.875"  | Z-Lok C107-6    | 10.75" | 11.469"   | 9.625" | -12"   |
| Invert 6 |         |       |           |       |         |                 |        |           |        |        |
| Invert 7 |         |       |           |       |         |                 |        |           |        |        |
| Invert 8 |         |       |           |       |         |                 |        |           |        |        |

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

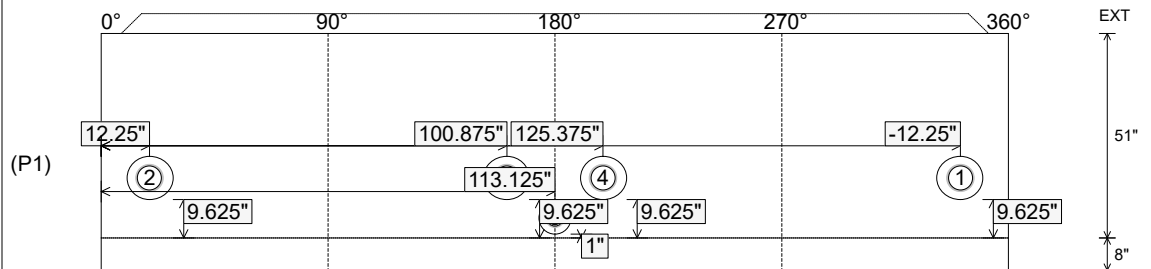
#### UPSIDE-DOWN VIEW (int. dimensions)



1ST POUR (BASE) = 11,079 LBS  
2ND POUR (EXTENDED FLANGE) = 1,373 LBS



#### INSIDE WALL DIMENSIONS



Coating (Int):  
Coating (Ext):

Seam Up: Tongue  
Seam Dn: n/a

Wall Thickness: 7"  
Floor Height: 8"

Height (Int): 51"  
Height (Ext): 59"

Weight (Net): 12452 lb  
Volume (Net): 3.18cu.yd

|                                                                                                                                      |  |  |  |  |                     |  |                 |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|---------------------|--|-----------------|--|--|--|
| Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion<br>Job Location: Shepherdsville, KY<br>Contractor: Pace Contracting, LLC |  |  |  |  | Plant: 100          |  | Tech: Jared - F |  |  |  |
|                                                                                                                                      |  |  |  |  | 6/2/2026 8:26:42 PM |  | PC: J Jarvis    |  |  |  |

**Structure ID: PROCESS RETURN V.V.**  
**P1 MH096BAEVF**

**MH BASE EF Cust. Ht. 12"F (14"EF =142"OD) T/n**

|                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P3) 60" x 60" - CASTING HEIGHT - 0"<br>P2) 96" - MH TOP SLAB w/60"x60" Hatch F/G - 17"<br>P1) 96" - MH BASE EF Cust. Ht. 12"F (14"EF =142"OD) T/n - 91"<br>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br>1) HATCH (Alum.) - HALLIDAY W2S 60"x60"<br>1) 96" - Conseal CS-102 1.00" (Double)<br>1) 60" x 60" - Conseal CS-102 1.00" (Double)<br>3) Z-Lok - C107-8<br>1) PSX - 8QRS-S NYLO | 0 lb<br>7554 lb<br>38233 lb<br>0 lb<br>0 lb<br>177 lb<br>0 lb<br>0 lb<br>3 lb<br>6 lb<br>-----<br>Structure Total: 45973 lb | <b>Structure Notes:</b><br>1. PER ASTM C478 SPECIFICATIONS.<br>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br>3. HATCH SUPPLIED BY I-CAST (HALLIDAY W2S 60"X60").<br>REINFORCING PER ASTM A615 (GRADE 60).<br>- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W. (DOUBLE MAT)<br>- RISER/WALLS (As .24)<br>- FLOOR (As .37) #5 BARS AT 8" C.C.E.W. (DOUBLE MAT) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|              |                      |           |             |                |
|--------------|----------------------|-----------|-------------|----------------|
| Rim: 448.25' | Rim to Invert: 8.92' | Slack: 0" | Sump: 0.96" | Step Position: |
|--------------|----------------------|-----------|-------------|----------------|

| Position | Elev    | Angle | Ext. (cw) | Pipe  | Pipe OD | Connector       | Hole  | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|-------|---------|-----------------|-------|-----------|--------|--------|
| Invert 1 | 440.42' | 0°    | -12.125"  | 8" DI | 9"      | Z-Lok C107-8    | 13.5" | 14.002"   | 11.25" | -12"   |
| Invert 2 | 440.42' | 0°    | 12.125"   | 8" DI | 9"      | Z-Lok C107-8    | 13.5" | 14.002"   | 11.25" | 12"    |
| Invert 3 | 439.33' | 0°    | 0"        | 4" DI | 4.75"   | PSX 8QRS-S NYLO | 8"    | 8.009"    | -1"    | 0"     |
| Invert 4 | 440.42' | 270°  | 243.875"  | 8" DI | 9"      | Z-Lok C107-8    | 13.5" | 15.73"    | 11.25" | -24"   |
| Invert 5 |         |       |           |       |         |                 |       |           |        |        |
| Invert 6 |         |       |           |       |         |                 |       |           |        |        |
| Invert 7 |         |       |           |       |         |                 |       |           |        |        |
| Invert 8 |         |       |           |       |         |                 |       |           |        |        |

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

**UPSIDE-DOWN VIEW (int. dimensions)**

**INSIDE WALL DIMENSIONS**

|                                  |                                 |                                         |                                         |                                                   |
|----------------------------------|---------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: n/a | Wall Thickness: 9"<br>Floor Height: 12" | Height (Int): 91"<br>Height (Ext): 103" | Weight (Net): 38233 lb<br>Volume (Net): 9.77cu.yd |
|----------------------------------|---------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------------------|



Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion  
Job Location: Shepherdsville, KY  
Contractor: Pace Contracting, LLC

Plant: 100

6/2/2026 8:26:42 PM

Tech: Jared - F

PC: J Jarvis



## Structure ID: PROCESS RETURN V.V.

**P1 MH096BAEVF**

**MH BASE EF Cust. Ht. 12"F (14"EF =142"OD) T/n**

- P3) 60" x 60" - CASTING HEIGHT - 0"  
P2) 96" - MH TOP SLAB w/60"x60" Hatch F/G - 17"  
P1) 96" - MH BASE EF Cust. Ht. 12"F (14"EF =142"OD) T/n - 91"  
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212  
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)  
1) HATCH (Alum.) - HALLIDAY W2S 60"x60"  
1) 96" - Conseal CS-102 1.00" (Double)  
1) 60" x 60" - Conseal CS-102 1.00" (Double)  
3) Z-Lok - C107-8  
1) PSX - 8QRS-S NYLO

0 lb  
7554 lb  
38233 lb  
0 lb  
0 lb  
177 lb  
0 lb  
0 lb  
0 lb  
3 lb  
6 lb

Structure Total: 45973 lb

### Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY I-CAST (HALLIDAY W2S 60"X60").

REINFORCING PER ASTM A615 (GRADE 60).  
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W. (DOUBLE MAT)  
- RISER/WALLS (As .24)  
- FLOOR (As .37) #5 BARS AT 8" C.C.E.W. (DOUBLE MAT)

Rim: 448.25' Rim to Invert: 8.92' Slack: 0" Sump: 0.96" Step Position:

| Position | Elev    | Angle | Ext. (cw) | Pipe  | Pipe OD | Connector       | Hole  | Horz Size | Up (L) | Offset |
|----------|---------|-------|-----------|-------|---------|-----------------|-------|-----------|--------|--------|
| Invert 1 | 440.42' | 0°    | -12.125"  | 8" DI | 9"      | Z-Lok C107-8    | 13.5" | 14.002"   | 11.25" | -12"   |
| Invert 2 | 440.42' | 0°    | 12.125"   | 8" DI | 9"      | Z-Lok C107-8    | 13.5" | 14.002"   | 11.25" | 12"    |
| Invert 3 | 439.33' | 0°    | 0"        | 4" DI | 4.75"   | PSX 8QRS-S NYLO | 8"    | 8.009"    | -1"    | 0"     |
| Invert 4 | 440.42' | 270°  | 243.875"  | 8" DI | 9"      | Z-Lok C107-8    | 13.5" | 15.73"    | 11.25" | -24"   |
| Invert 5 |         |       |           |       |         |                 |       |           |        |        |
| Invert 6 |         |       |           |       |         |                 |       |           |        |        |
| Invert 7 |         |       |           |       |         |                 |       |           |        |        |
| Invert 8 |         |       |           |       |         |                 |       |           |        |        |

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

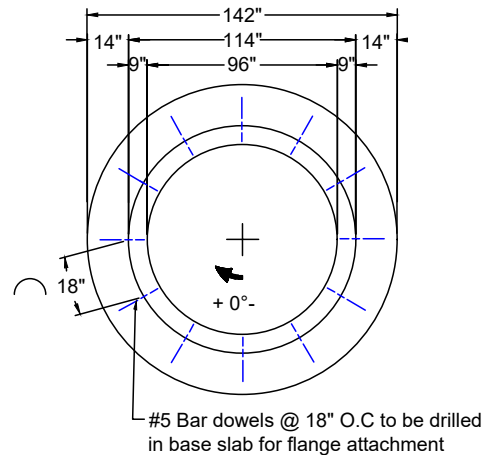
1ST POUR (BASE) = 32,564 LBS  
2ND POUR (EXTENDED FLANGE) = 5,669 LBS

Invert: 4  
Degree: 270°  
Horz: 226.25"  
Hole: 13.5"  
Up(L): 11.25"

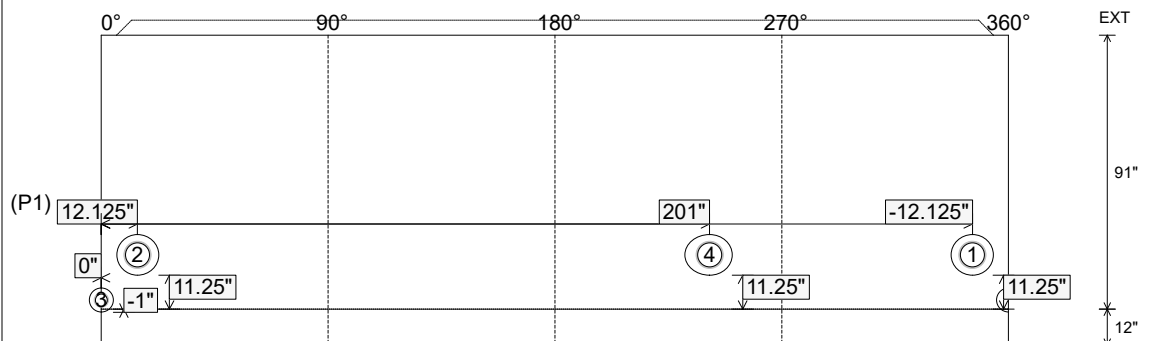
Invert: 3  
Degree: 0°  
Horz: 0"  
Hole: 8"  
Up(L): -1"

Invert: 2  
Degree: 0°  
Horz: 0"  
Hole: 13.5"  
Up(L): 11.25"

Invert: 1  
Degree: 0°  
Horz: 0"  
Hole: 13.5"  
Up(L): 11.25"



INSIDE WALL DIMENSIONS



Coating (Int):  
Coating (Ext):

Seam Up: Tongue  
Seam Dn: n/a

Wall Thickness: 9"  
Floor Height: 12"

Height (Int): 91"  
Height (Ext): 103"

Weight (Net): 38233 lb  
Volume (Net): 9.77cu.yd

Job Name: 25-2073 - Alcoa Outfall  
Job Location: Newburgh, IN  
Contractor: Bowen Engineering Corporation

Plant: 100  
7/11/2026 9:06:20 AM

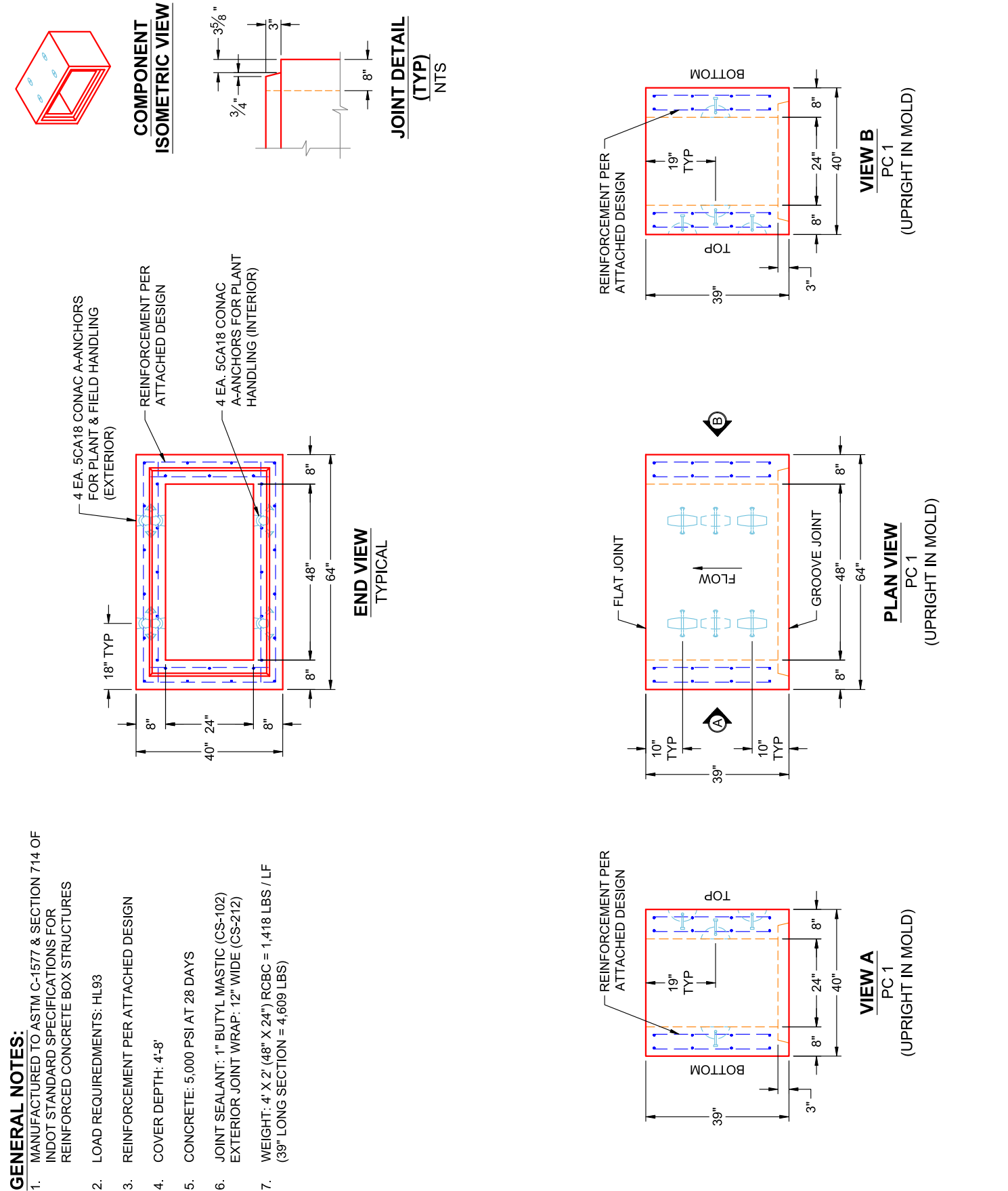
Tech: J. Horsley  
PC: A. Chambers



Structure ID: BC 4 x 2 (PC 1)

P1BC0480024-08WLF

BOX CULVERT (08W/08F/08T) No Haunch & Tongue



# INFRASTRUCTURE PRECAST (ICAST)

Project : Alcoa Outfall

Task :

Job No. : 25-2073

Client: Bowen Engineering Co

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

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

By: J. Horsley

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

5/11/2026 4:10:17 PM

Page 1 of 3

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, Ec: 3834 ksi  
Type: Normal wt  
Steel  
Yield, fy: 60 ksi  
Allow Stress: 36 ksi  
Elasticity, Es: 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

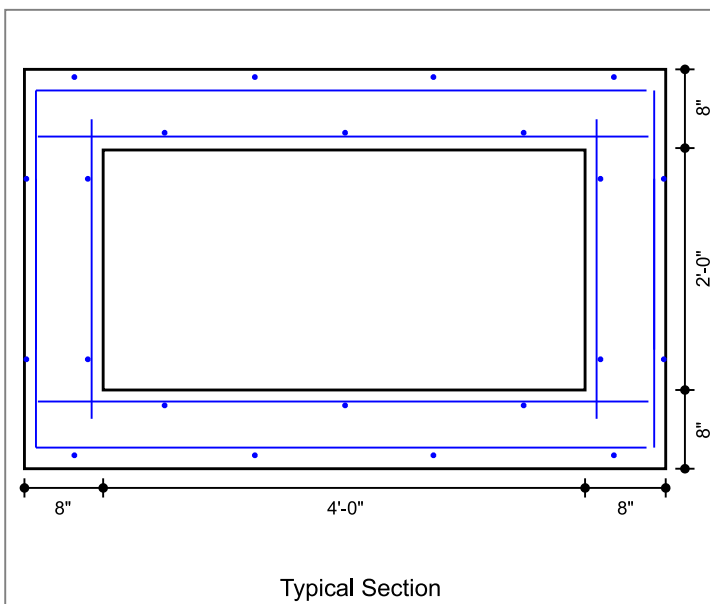
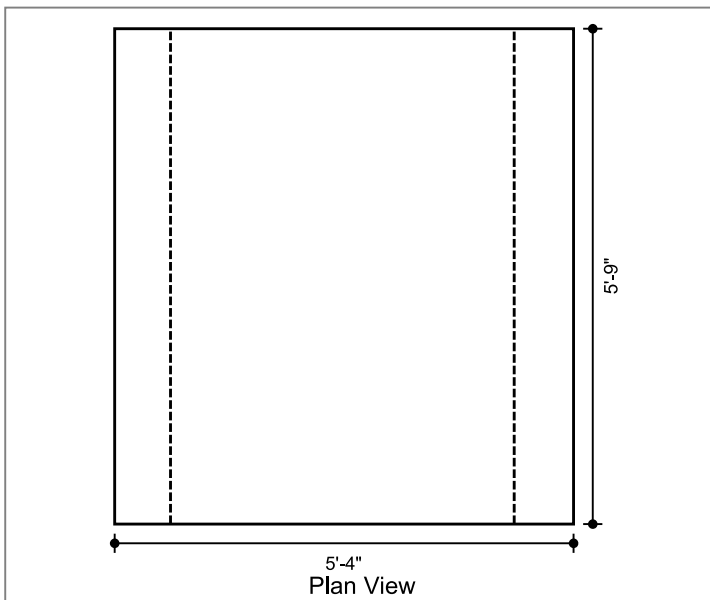
## Loads

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)

Project : Alcoa Outfall

Task :

Job No. : 25-2073

Client: Bowen Engineering Co

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

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

By: J. Horsley

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

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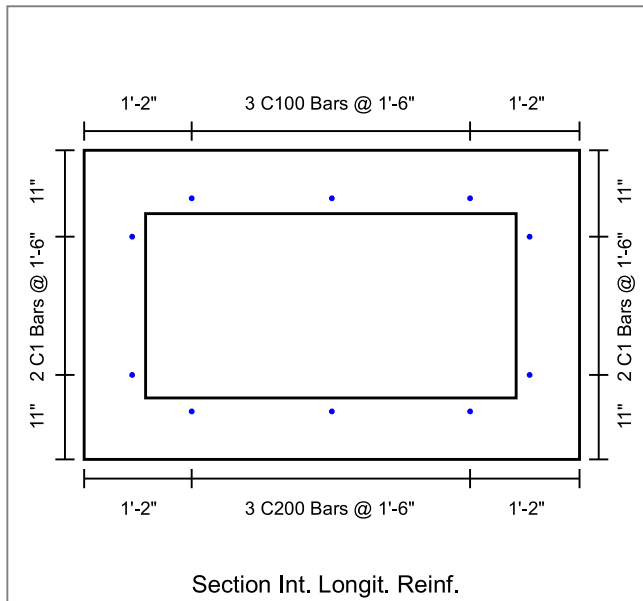
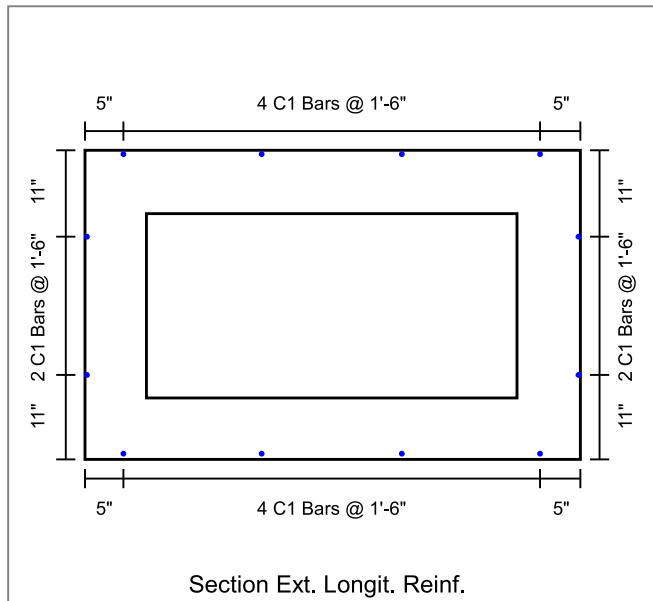
etc of 3

## 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        |

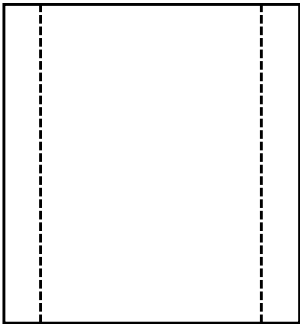


INFRASTRUCTURE PRECAST (ICAST)

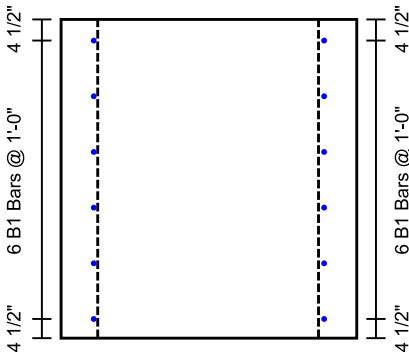
Project : Alcoa Outfall  
Task :  
Job No. : 25-2073

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

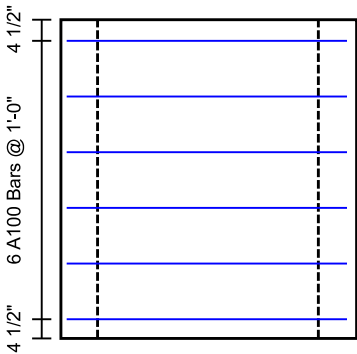
Sht \_\_\_\_\_ of \_\_\_\_\_  
By: J. Horsley  
Ck: \_\_\_\_\_  
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Page 3 of 3



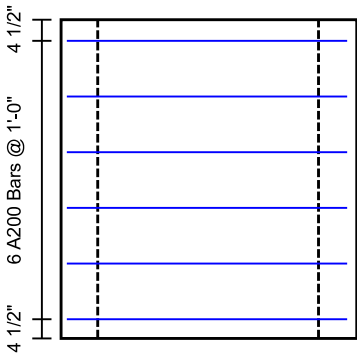
Ext. Wall Reinf.



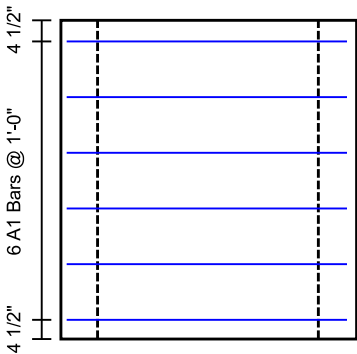
Int. Wall Reinf.



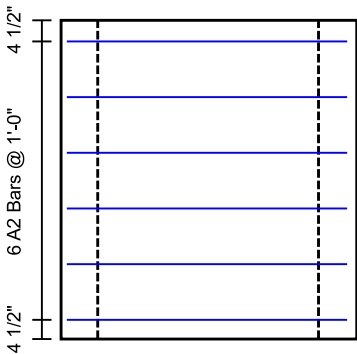
Top Slab Int. Reinf.



Bottom Slab Int. Reinf.



Top Slab Corner Reinf.



Bottom Slab Corner Reinf.

Job Name: 26-2254 - Wilder Box Culvert  
Job Location: Wilder, KY  
Contractor: Eaton Asphalt

Plant: 100  
7/6/2026 1:23:26 PM

Tech: Jared - A  
PC: E. Bradley

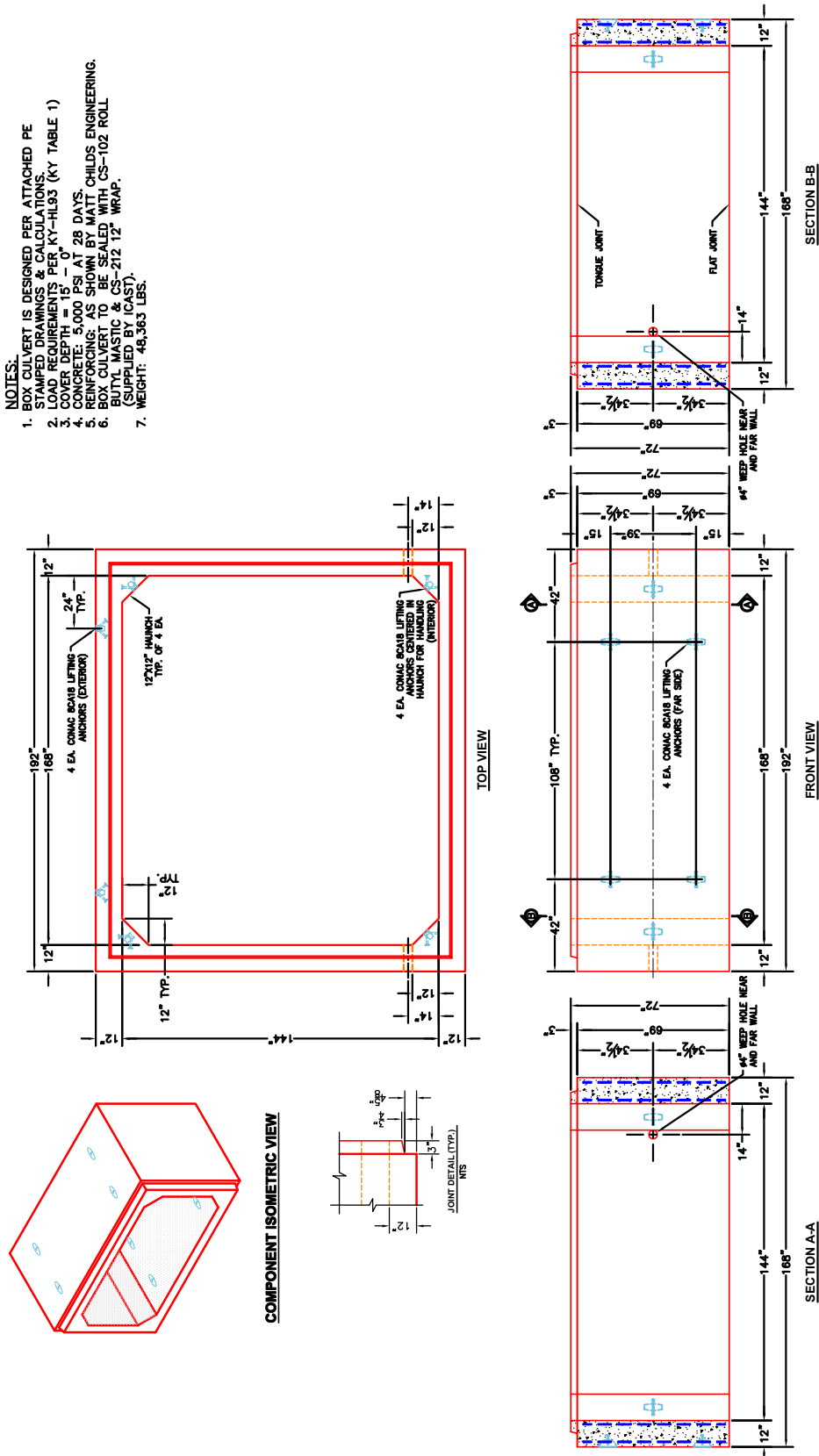


Structure ID: Box Culvert

P28 BC168144-12W12T12F-12H

BOX CULVERT (12W/12F/12T) T/F

- NOTES:
1. BOX CULVERT IS DESIGNED PER ATTACHED PE STAMPED DRAWINGS & CALCULATIONS.
  2. LOAD REQUIREMENTS PER KY-HL93 (KY TABLE 1)
  3. COVER DEPTH = 15' - 0"
  4. CONCRETE: 5,000 PSI AT 28 DAYS.
  5. REINFORCING: AS SHOWN BY MATT CHILDS ENGINEERING.
  6. BOX CULVERT TO BE SEALED WITH CS-102 ROLL BUTYL MASTIC & CS-212 12' WRAP. (SUPPLIED BY ICAST).
  7. WEIGHT: 48,363 LBS.



Coating (Int):  
Coating (Ext):

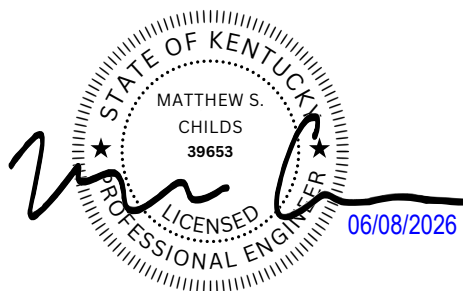
Seam Up: Tongue  
Seam Dn: Flat

Wall Thickness: 12"  
Floor Height: 0"

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

Weight (Net): 48363 lb  
Volume (Net): 12.35cu.yd

Project: Mooch Road  
Product: 14' x 12' Box Culvert  
Job: 26-2254  
Design No.:  
Location: Wilder, KY  
Reference #:



# MATT CHILDS ENGINEERING, PLLC

Project : City of Wilder  
Task : 14x12 15' Fill  
Job No. :

Client: ICast  
File: 20260605-ICast-CityofWilder-14x12(15'Fill).etcx

Sht \_\_\_\_ of \_\_\_\_  
By:MBJ  
Ck:  
6/5/2026 4:35:08 PM  
p. 1 of 2

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

## Physical Dimensions

|                        |           |
|------------------------|-----------|
| Clear Span:            | 14'-0"    |
| Clear Height:          | 12'-0"    |
| Top Slab:              | 1'-0"     |
| Bottom Slab:           | 1'-0"     |
| Ext. Wall:             | 1'-0"     |
| Fill Depth:            | 15.00 ft  |
| Length:                | 4'-0"     |
| Skew Angle:            | 0.00 deg  |
| Bottom Slab Support:   | Full Slab |
| Top Haunch, Width:     | 1'-0"     |
| Top Haunch, Height:    | 1'-0"     |
| Bottom Haunch, Width:  | 1'-0"     |
| Bottom Haunch, Height: | 1'-0"     |

## Material Properties

Concrete  
Strength, f<sub>c</sub>: 5.000 ksi  
Density: 0.150 kcf  
Elasticity, E<sub>c</sub>: 3834 ksi  
Type: Normal wt

Steel  
Yield, f<sub>y</sub>: 65 ksi  
Allow Stress: 39 ksi  
Elasticity, E<sub>s</sub>: 29000 ksi

Soil  
Density: 0.120 kcf

Exposure Factor  
Class 2 Exposure  
Reinforcement Covers  
Ext. Cover Top Slab: 1"  
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: 5.85  
Operating Rating: 7.59

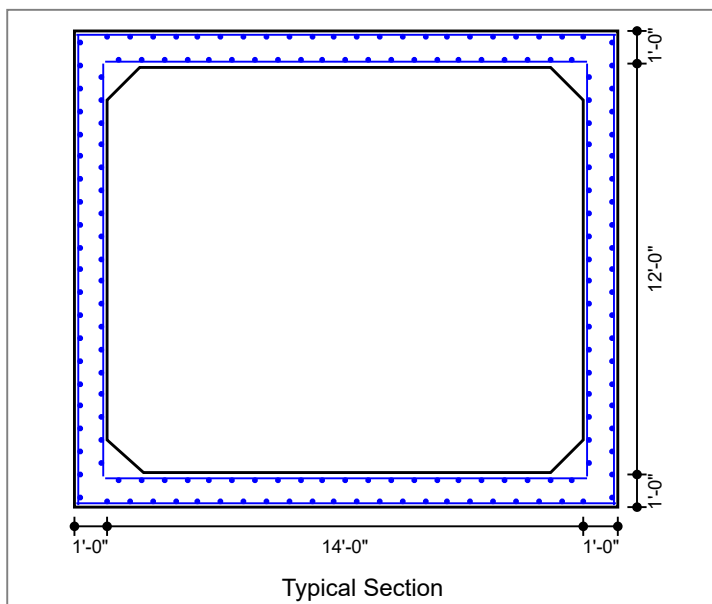
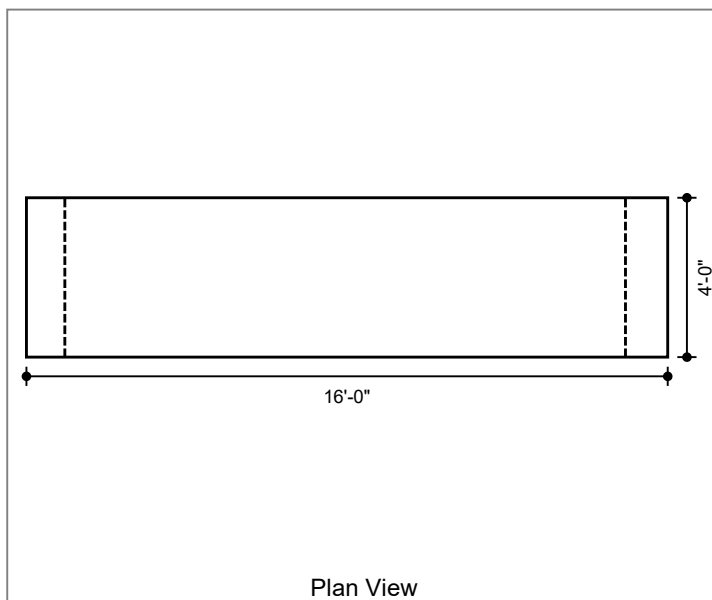
## Loads

Live Load  
Vehicle Names: HL-93  
Traffic Direction: Parallel  
Eq. Height of Soil: 2.00 ft (Calc'd)

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





# MATT CHILDS ENGINEERING, PLLC

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

File: 20260605-ICast-CityofWilder-14x12(15'Fill).etcx

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

By:MBJ

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

6/5/2026 4:35:09 PM

p. 2 of 2

## Concrete Summary

Volume of Concrete: 2.148 cy/ft Total Volume of Concrete: 8.593 cy

## Reinforcing Steel Bar Schedule (lb)

| Location           | Mark       | Sheets Included | As Provided |
|--------------------|------------|-----------------|-------------|
| Top Slab(Int)      | A100 (AS2) | Top             | 1.200       |
| Bot Slab(Int)      | A200 (AS3) | Bot             | 1.290       |
| Top Slab(Ext)      | A300 (AS7) | Top             | 0.300       |
| Bot Slab(Ext)      | A400 (AS8) | Bot             | 0.300       |
| Corner(Top)        | A1 (AS1)   | Top             | 0.780       |
| Corner(Bot)        | A2 (AS1)   | Bot             | 0.780       |
| Wall(Int)          | B1 (AS4)   | L&R             | 0.300       |
| Wall(Ext)          | B2 (AS1)   | L&R             | 0.780       |
| Longit. Top (Int)  | C100 (AS5) | Top             | 0.150       |
| Longit. Bot (Int)  | C200       | Bot             | 0.150       |
| Longit. Top (Ext)  | C1 (AS6)   | Top             | 0.150       |
| Longit. Bot (Ext)  | C1 (AS6)   | Bot             | 0.150       |
| Longit. Wall (Ext) | C1 (AS6)   | L&R             | 0.150       |
| Longit. Wall (Int) | C1 (AS6)   | L&R             | 0.150       |

Job Name: 24-1643B - KYTC McCracken Co. Call 200 (ID 241301)  
Job Location: Paducah, KY  
Contractor: Jim Smith Contracting Co, LLC

Plant: 100

5/28/2026 7:52:48 AM

Tech: J. Horsley

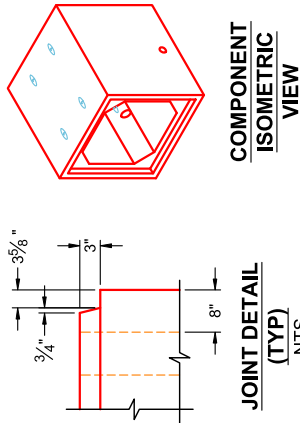
PC: C. Goff



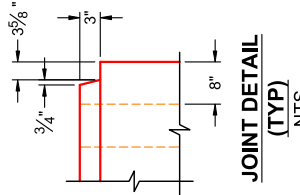
Structure ID: St. 45+00 (PC 6)

P1 BC048048-08WLF-9H

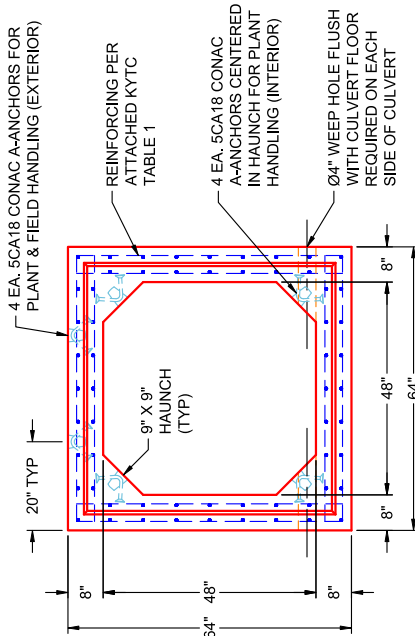
BOX CULVERT (08W/08F/08T) G/T



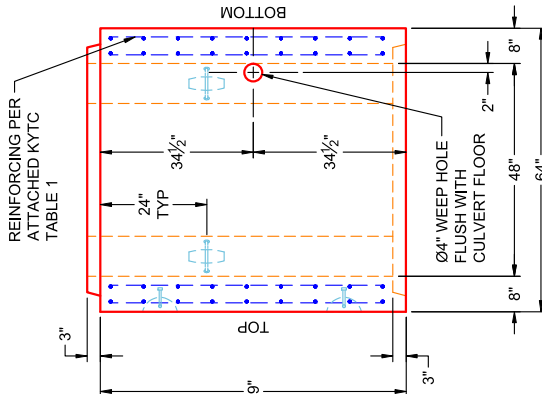
COMPONENT  
ISOMETRIC  
VIEW



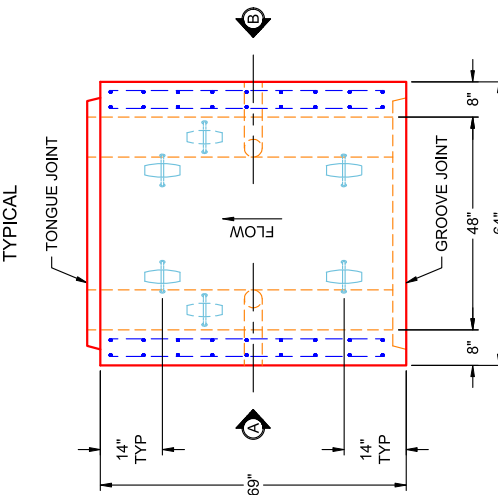
JOINT DETAIL  
(TYP)  
NTS



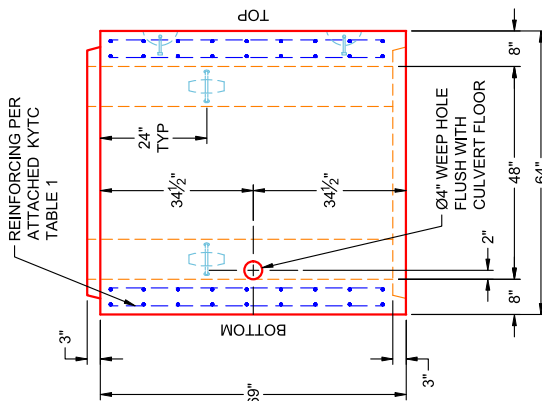
END VIEW  
TYPICAL



VIEW B  
PC 6  
(UPRIGHT IN MOLD)



PLAN VIEW  
PC 6  
(UPRIGHT IN MOLD)



VIEW A  
PC 6  
(UPRIGHT IN MOLD)

#### GENERAL NOTES:

- PER SECTION 605 OF KYTC STANDARD SPECS FOR ROAD & BRIDGE CONSTRUCTION  
- KYTC STAMP REQUIRED  
- WEEP HOLES REQUIRED
- LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
- REINFORCEMENT PER ATTACHED KYTC TABLE 1
- COVER DEPTH: 0' - 7'
- CONCRETE: 5,000 PSI AT 28 DAYS
- JOINT SEALANT: 1" BUTYL MASTIC (CS-102)  
EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
- WEIGHT: 4' X 4' RCBC = 1,968 LBS / LF  
(5-9' LONG SECTION = 11,314 LBS)

#### PRODUCTION WORK ORDER



##### QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED INSIDE.
- ☐ RECESS WITH HAUNCHES CORRECT.
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ LIFTERS INSTALLED OUTSIDE.
- ☐ PRODUCT SQUARE.

PRODUCT I.D.: BC048048-08WLF-9H

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 11,314 LBS

TOP SECTION JOINT: TONGUE

BASE SECTION JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 48" X 48" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)

CUSTOMER: JIM SMITH CONTRACTING

PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)

STRUCTURE: ST. 45+00 (PC 6)

ORDER NO: 24-1643B

PE: J.H. ROSS

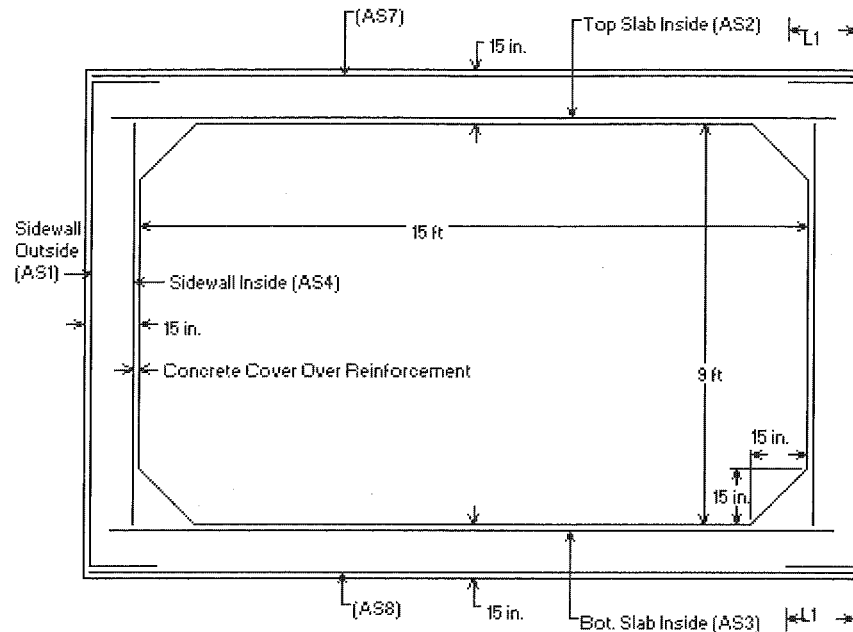
DRAWING: K. CARDWELL

DATE: 05/28/26

SCALE: NTS

PG. 1 OF 1

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- \* <L1> is Splice Length
- \* (AS7) is Top Slab Outside
- \* (AS8) is Bottom Slab Outside
- \* See Box Culvert Design Summary Sheet for transverse and distribution reinforcement, as required.
- \* For sidewall thicknesses of 6 in. and above, extend AS2 and AS3 a min. of 4 in. beyond the inside face of the sidewall. For thicknesses less than 6 in., extend AS2 and AS3 at least to within 1-1/2 in. of the outside face of the sidewall.

Notes:

- 1) Other reinforcement schemes that provide the required reinforcement areas at all locations identified in the program output are acceptable.
- 2) Longitudinal reinforcement is not shown for clarity, see AASHTO M259 for longitudinal reinforcement and for additional requirements.

**KY Table 1**

*Precast Culvert KYHL-93 Design Table*

| Design Earth Cover, ft |      | As1   | As2   | As3   | As4  | As7  | As8   | As5  | As6  |
|------------------------|------|-------|-------|-------|------|------|-------|------|------|
| 4x3x5                  | 0<2* | 0.18  | 0.705 | 0.199 | 0.12 | 0.18 | 0.144 | 0.18 | 0.18 |
|                        | 2<3  | 0.198 | 0.309 | 0.27  | 0.12 | 0.12 | 0.12  |      |      |
|                        | 3-5  | 0.123 | 0.191 | 0.193 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 10   | 0.12  | 0.142 | 0.146 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 15   | 0.12  | 0.193 | 0.197 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 20   | 0.152 | 0.249 | 0.253 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 25   | 0.187 | 0.306 | 0.31  | 0.12 | 0.12 | 0.12  |      |      |
|                        | 30   | 0.225 | 0.366 | 0.37  | 0.12 | 0.12 | 0.12  |      |      |
|                        | 35   | 0.263 | 0.428 | 0.432 | 0.12 | 0.12 | 0.12  |      |      |

\*top slab 7.5", bottom slab 6"

| Design Earth Cover, ft |      | As1   | As2   | As3   | As4  | As7  | As8   | As5  | As6  |
|------------------------|------|-------|-------|-------|------|------|-------|------|------|
| 4x4x5                  | 0<2* | 0.18  | 0.745 | 0.22  | 0.12 | 0.18 | 0.144 | 0.18 | 0.18 |
|                        | 2<3  | 0.154 | 0.314 | 0.276 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 3-5  | 0.12  | 0.215 | 0.219 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 10   | 0.12  | 0.155 | 0.162 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 15   | 0.12  | 0.21  | 0.217 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 20   | 0.124 | 0.269 | 0.276 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 25   | 0.152 | 0.331 | 0.339 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 30   | 0.182 | 0.396 | 0.403 | 0.12 | 0.12 | 0.12  |      |      |
|                        | 35   | 0.213 | 1.205 | 0.471 | 0.12 | 0.12 | 0.12  |      |      |

\*top slab 7.5", bottom slab 6"

| Design Earth Cover, ft |      | As1   | As2   | As3   | As4   | As7   | As8   | As5   | As6   |
|------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5x3x6                  | 0<2* | 0.192 | 0.726 | 0.201 | 0.144 | 0.6   | 0.168 | 0.192 | 0.192 |
|                        | 2<3  | 0.224 | 0.288 | 0.232 | 0.144 | 0.144 | 0.144 |       |       |
|                        | 3-5  | 0.16  | 0.205 | 0.19  | 0.144 | 0.144 | 0.144 |       |       |
|                        | 10   | 0.144 | 0.164 | 0.168 | 0.144 | 0.144 | 0.144 |       |       |
|                        | 15   | 0.174 | 0.224 | 0.228 | 0.144 | 0.144 | 0.144 |       |       |
|                        | 20   | 0.223 | 0.288 | 0.292 | 0.144 | 0.144 | 0.144 |       |       |
|                        | 25   | 0.276 | 0.354 | 0.359 | 0.144 | 0.144 | 0.144 |       |       |
|                        | 30   | 0.331 | 0.423 | 0.427 | 0.144 | 0.144 | 0.144 |       |       |
|                        | 35   | 0.389 | 1.349 | 1.168 | 0.144 | 0.144 | 0.144 |       |       |

\*top slab 8", bottom slab 7"

### Strength Reduction Factors

Design Code

## Flexure

Shear 0.9

|  |                                |                                 |                        |
|--|--------------------------------|---------------------------------|------------------------|
|  | <b>Reinforcement Diameter:</b> | <b>Crack Width [CHBDC Only]</b> | <b>Maximum Spacing</b> |
|  | Diameter                       |                                 | mm                     |

$$+ \frac{n}{n+1} \ln \frac{n}{n+1}$$

|                 | (A5-2) | { | [0.05] | + 0                       | } in. | n.  |
|-----------------|--------|---|--------|---------------------------|-------|-----|
| Top Inside      | (A5-3) | { | [0.05] | * Bottom Slab Thickness + | 0     | in. |
| Bottom Inside   | (A5-4) | { | [0.05] | * Sidewall Thickness +    | 0     | in. |
| Sidewall Inside | (A5-7) | { | [0.05] | * Top Slab Thickness +    | 0     | in. |
| Top Outside     | (A5-8) | { | [0.05] | * Bottom Slab Thickness + | 0     | in. |
| Bottom Outside  |        |   |        |                           |       |     |

100

Maximum Lateral Pressure Coefficient  
Vertical Arching Factor

0.5

Embankment/Compacted

<< Previous Page    Next Page >>

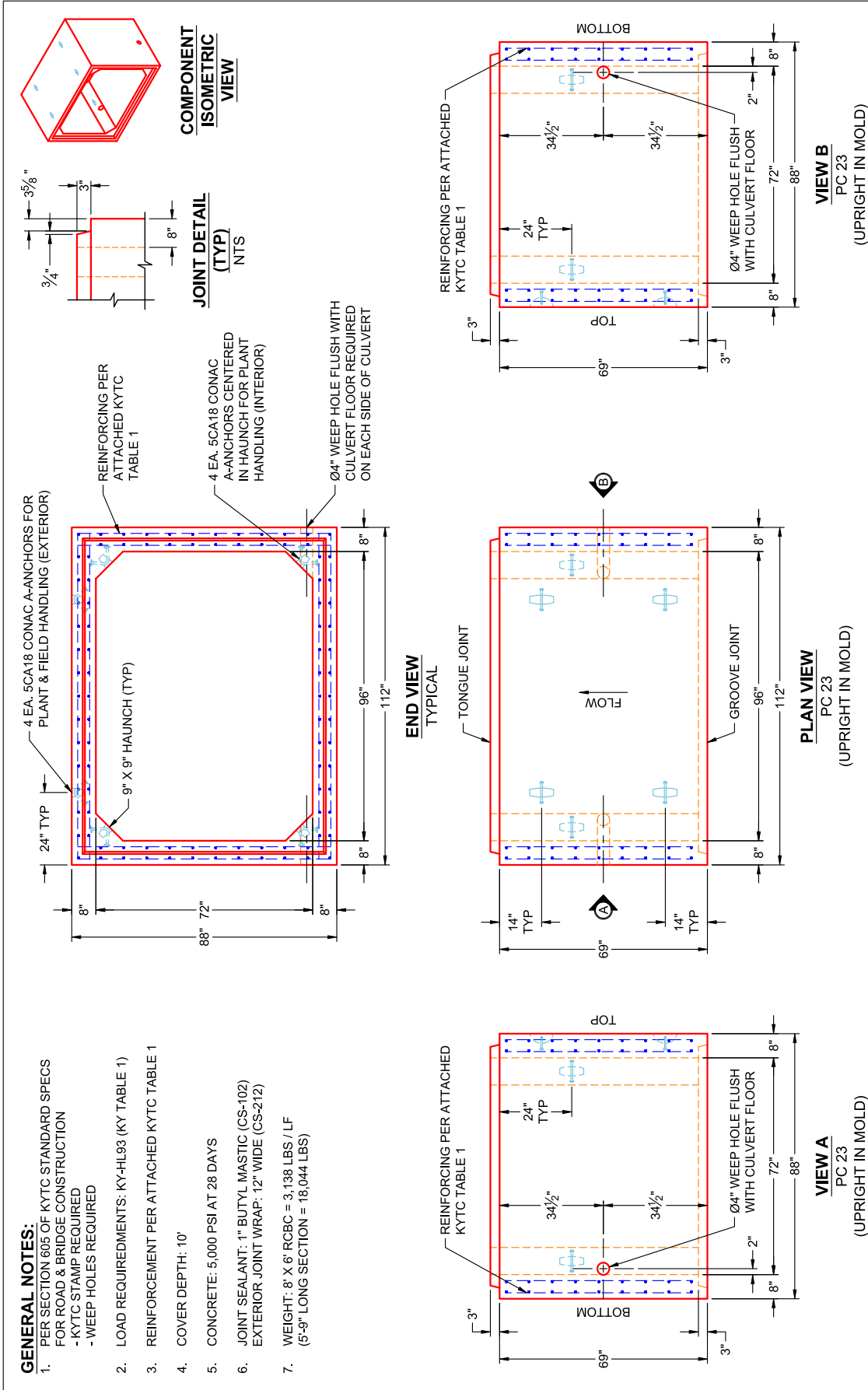
[Return to Main Menu](#)

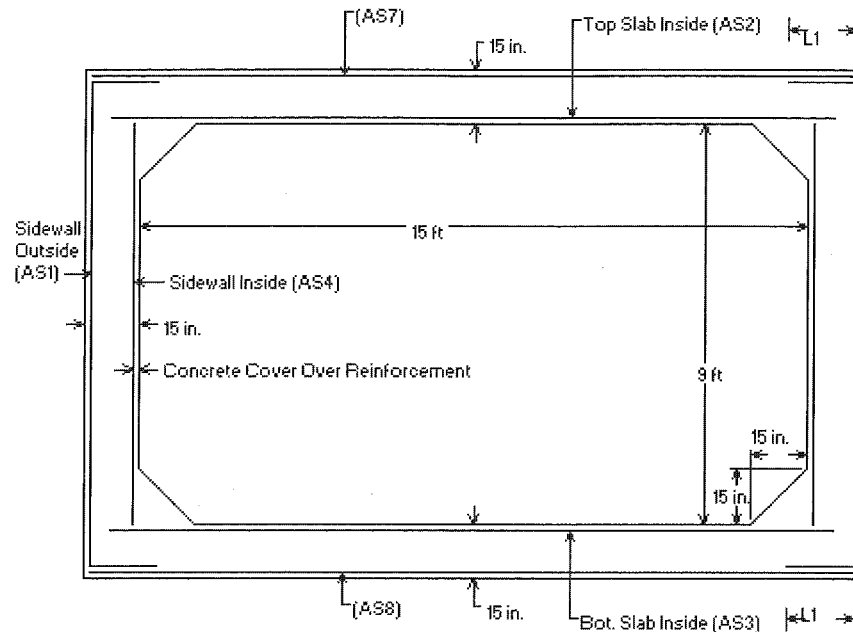
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| <input type="checkbox"/> By Code            |  | 10     | in.   |
| <input type="checkbox"/> By Code            |  | 10     | in.   |

Diagram of a frame structure with dimensions and loads:

- Overall height: 14 ft.
- Overall width: 4 ft.
- Internal horizontal dimension: 5 ft.
- Internal vertical dimension: 0.5 ft.
- Applied loads:
  - 0.67H (horizontal load at the bottom left corner)
  - 0.5A (vertical load at the top left corner)
  - 0.5H (horizontal load at the top right corner)
- Supports:
  - Fixed support at the bottom left corner.
  - Roller support at the bottom right corner.
- Equation:  $A = 0.17e / \text{rad}$

Diagram of a roof truss system showing dimensions and loads. The truss has a total length of 14 ft, divided into three sections: 5 ft, 3 ft, and 4 ft. The roof slope is 0.67H and 0.5V. A 10 lb/ft load is applied to the roof. The truss is supported by a pin support at the left end and a roller support at the right end.





- \* <L1> is Splice Length
- \* (AS7) is Top Slab Outside
- \* (AS8) is Bottom Slab Outside
- \* See Box Culvert Design Summary Sheet for transverse and distribution reinforcement, as required.
- \* For sidewall thicknesses of 6 in. and above, extend AS2 and AS3 a min. of 4 in. beyond the inside face of the sidewall. For thicknesses less than 6 in., extend AS2 and AS3 at least to within 1-1/2 in. of the outside face of the sidewall.

Notes:

- 1) Other reinforcement schemes that provide the required reinforcement areas at all locations identified in the program output are acceptable.
- 2) Longitudinal reinforcement is not shown for clarity, see AASHTO M259 for longitudinal reinforcement and for additional requirements.



**KY Table 1**

*Precast Culvert KYHL-93 Design Table*

| Design Earth Cover, ft |     | As1   | As2   | As3   | As4   | As7   | As8   | As5   | As6   |
|------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| 8x6x8                  | 0<2 | 0.267 | 0.536 | 0.382 | 0.192 | 0.192 | 0.192 | 0.192 | 0.192 |
|                        | 2<3 | 0.266 | 0.458 | 0.382 | 0.192 | 0.192 | 0.192 | 0.192 | 0.192 |
|                        | 3-5 | 0.237 | 0.392 | 0.359 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 10  | 0.244 | 0.365 | 0.38  | 0.192 | 0.192 | 0.192 |       |       |
|                        | 15  | 0.321 | 0.489 | 0.505 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 20  | 0.408 | 0.627 | 0.644 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 25  | 0.502 | 0.774 | 0.791 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 30  | 0.602 | 0.928 | 0.946 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 35  | 0.708 | 1.089 | 1.108 | 0.192 | 0.192 | 0.192 |       |       |

| Design Earth Cover, ft |     | As1   | As2   | As3   | As4   | As7   | As8   | As5   | As6   |
|------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| 8x7x8                  | 0<2 | 0.245 | 0.557 | 0.403 | 0.192 | 0.192 | 0.192 | 0.197 | 0.192 |
|                        | 2<3 | 0.243 | 0.479 | 0.403 | 0.192 | 0.192 | 0.192 | 0.192 | 0.192 |
|                        | 3-5 | 0.215 | 0.409 | 0.378 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 10  | 0.225 | 0.378 | 0.396 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 15  | 0.295 | 0.507 | 0.526 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 20  | 0.374 | 0.651 | 0.671 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 25  | 0.459 | 0.804 | 0.825 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 30  | 0.549 | 0.965 | 0.987 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 35  | 0.644 | 1.134 | 1.157 | 0.192 | 0.192 | 0.192 |       |       |

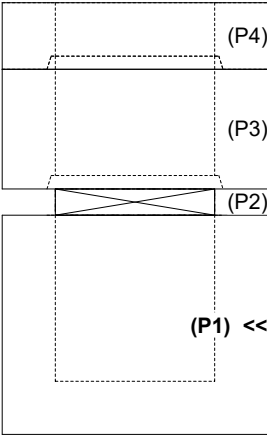
| Design Earth Cover, ft |     | As1   | As2   | As3   | As4   | As7   | As8   | As5   | As6   |
|------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| 8x8x8                  | 0<2 | 0.226 | 0.575 | 0.42  | 0.192 | 0.192 | 0.192 | 0.203 | 0.192 |
|                        | 2<3 | 0.224 | 0.494 | 0.42  | 0.192 | 0.192 | 0.192 | 0.192 | 0.192 |
|                        | 3-5 | 0.201 | 0.423 | 0.393 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 10  | 0.211 | 0.386 | 0.407 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 15  | 0.276 | 0.518 | 0.54  | 0.192 | 0.192 | 0.192 |       |       |
|                        | 20  | 0.349 | 0.665 | 0.688 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 25  | 0.427 | 0.822 | 0.846 | 0.192 | 0.192 | 0.192 |       |       |
|                        | 30  | 0.51  | 0.988 | 1.013 | 0.192 | 0.192 | 0.192 |       |       |



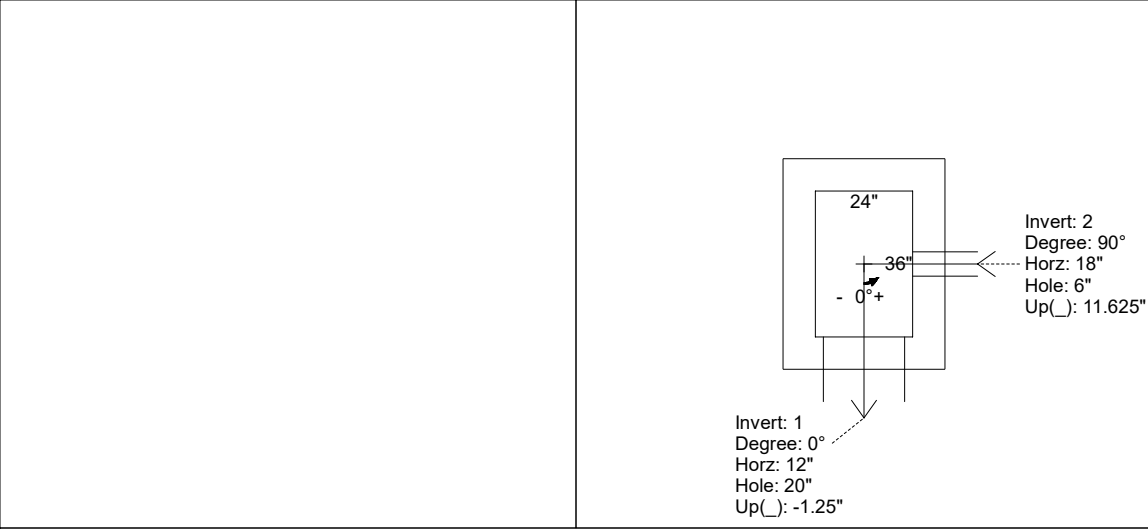


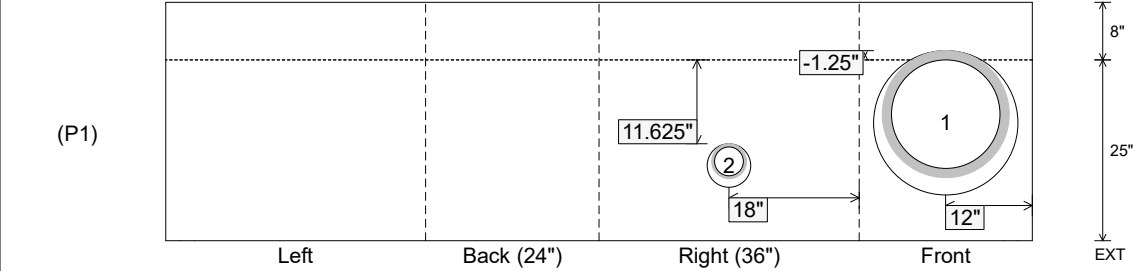
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------|-------------------------------------------|---------|---------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|
| Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)<br>Job Location: Hopkinsville, KY<br>Contractor: Scotty's Contracting & Stone, LLC                                                                                                                                                                                                                                                                                          |      |       |           | Plant: Beaver Dam<br>6/26/2026 7:35:36 AM |         | Tech: J. Horsley<br>PC: C. Goff                                                 |      |                                                                                                                                                                                                                                                                                          |         |        |
| Structure ID: 101                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |           |                                           |         |                                                                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |
| P1 BX2436-08BVF                                                                                                                                                                                                                                                                                                                                                                                                                         |      |       |           | BOX BASE 8inW, 8inF, Variable Ht F/n      |         |                                                                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |
| <p>P4) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10"<br/>P3) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18"<br/>P2) 24" x 36" - FIELD ADJUSTMENT - 4"<br/>P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25"<br/>1) CASTING - HOE KY-206 F/C (KY TY1)<br/>1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast)<br/>2) 24" x 36" - Conseal CS-102 1.00"<br/>1) Hole - 20<br/>1) Hole - 6</p> |      |       |           |                                           |         | 3398 lb<br>5270 lb<br>0 lb<br>3717 lb<br>206 lb<br>0 lb<br>0 lb<br>0 lb<br>0 lb |      | <p>Structure Notes:<br/>** KYTC STATE PROJECT **<br/>STATION: 407+50 RT<br/>1. PER KYTC CBI TYPE A / ASTM C-913 SPECS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br/>4. HOE KY-206 FRAME &amp; COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP</p> |         |        |
| Rim: 565.75' Rim to Invert: 4.75' Slack: 0" Sump: 0" Step Position:                                                                                                                                                                                                                                                                                                                                                                     |      |       |           |                                           |         |                                                                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                | Elev | Angle | Ext. (cw) | Pipe                                      | Pipe OD | Connector                                                                       | Hole | Horz Size                                                                                                                                                                                                                                                                                                                                                                  | Up ( )  | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                | 561' | 0°    | 20"       | 15" HDPE                                  | 17.6"   | Hole 20                                                                         | 20"  | 20"                                                                                                                                                                                                                                                                                                                                                                        | -1.25"  | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                | 562' | 90°   | 26"       | 4" HDPE (perf pipe)                       | 4.8"    | Hole 6                                                                          | 6"   | 6"                                                                                                                                                                                                                                                                                                                                                                         | 11.625" | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                |      |       |           |                                           |         |                                                                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                |      |       |           |                                           |         |                                                                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                |      |       |           |                                           |         |                                                                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                |      |       |           |                                           |         |                                                                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                |      |       |           |                                           |         |                                                                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                |      |       |           |                                           |         |                                                                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |

RIGHT-SIDE UP VIEW (int. dimensions)

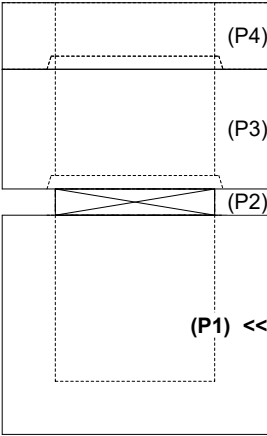
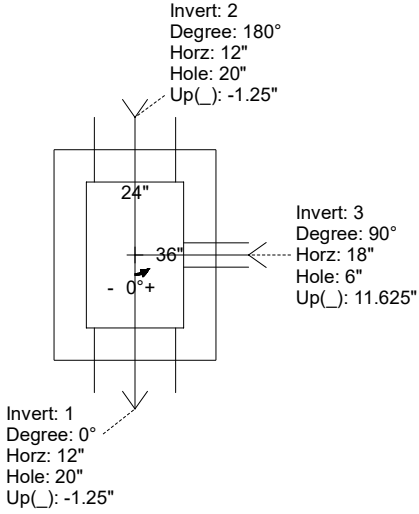
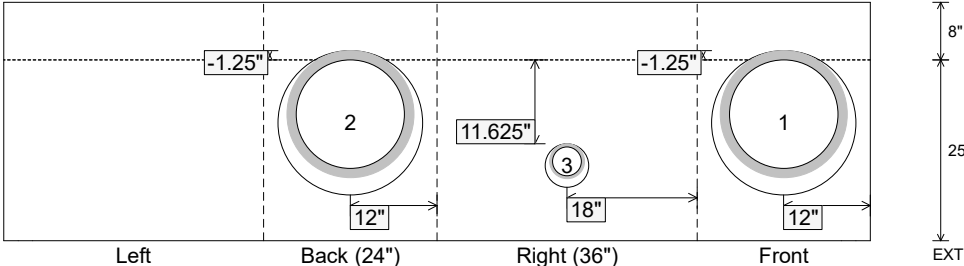


UPSIDE-DOWN VIEW (int. dimensions)

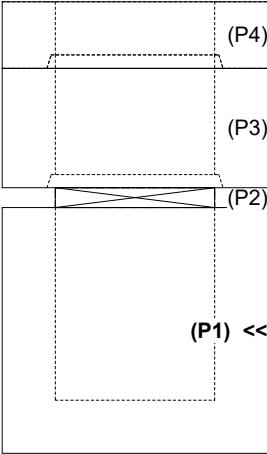


|                                                                                      |  |
|--------------------------------------------------------------------------------------|--|
| INSIDE WALL DIMENSIONS                                                               |  |
|  |  |

|                                  |                               |                                        |                                        |                                                  |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Flat<br>Seam Dn: n/a | Wall Thickness: 8"<br>Floor Height: 8" | Height (Int): 25"<br>Height (Ext): 33" | Weight (Net): 3717 lb<br>Volume (Net): 0.95cu.yd |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |              |                               |                                      |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|-------------------------------|--------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)<br>Job Location: Hopkinsville, KY<br>Contractor: Scotty's Contracting & Stone, LLC                                                                                                                                                                                                                                                                                                                         |         |              |                               |                                      | Plant: Beaver Dam<br>6/26/2026 7:35:33 AM |                                                                                                | Tech: J. Horsley<br>PC: C. Goff        |                                                                                                                                                                                                                                                                                                                                                                            |  |        |  |
| Structure ID: 102                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |              |                               |                                      |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| P1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         | BX2436-08BVF |                               | BOX BASE 8inW, 8inF, Variable Ht F/n |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| <p>P4) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10"<br/>P3) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18"<br/>P2) 24" x 36" - FIELD ADJUSTMENT - 4"<br/>P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25"<br/>1) CASTING - HOE KY-206 F/C (KY TY1)<br/>1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast)<br/>2) 24" x 36" - Conseal CS-102 1.00"<br/>2) Hole - 20<br/>1) Hole - 6</p>                                |         |              |                               |                                      |                                           | <p>3398 lb<br/>5270 lb<br/>0 lb<br/>3506 lb<br/>206 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb</p> |                                        | <p>Structure Notes:<br/>** KYTC STATE PROJECT **<br/>STATION: 405+80 RT<br/>1. PER KYTC CBI TYPE A / ASTM C-913 SPECS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br/>4. HOE KY-206 FRAME &amp; COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP</p> |                                                                                    |        |  |
| Rim: 561.87' Rim to Invert: 4.75' Slack: 0" Sump: 0" Step Position:                                                                                                                                                                                                                                                                                                                                                                                                    |         |              |                               |                                      |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Elev    | Angle        | Ext. (cw)                     | Pipe                                 | Pipe OD                                   | Connector                                                                                      | Hole                                   | Horz Size                                                                                                                                                                                                                                                                                                                                                                  | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 557.12' | 0°           | 20"                           | 15" HDPE                             | 17.6"                                     | Hole 20                                                                                        | 20"                                    | 20"                                                                                                                                                                                                                                                                                                                                                                        | -1.25"                                                                             | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 557.12' | 180°         | 20"                           | 15" HDPE                             | 17.6"                                     | Hole 20                                                                                        | 20"                                    | 20"                                                                                                                                                                                                                                                                                                                                                                        | -1.25"                                                                             | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 558.12' | 90°          | 26"                           | 4" HDPE (perf pipe)                  | 4.8"                                      | Hole 6                                                                                         | 6"                                     | 6"                                                                                                                                                                                                                                                                                                                                                                         | 11.625"                                                                            | 0"     |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |              |                               |                                      |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |              |                               |                                      |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |              |                               |                                      |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |              |                               |                                      |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |              |                               |                                      |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| <div><div><div>RIGHT-SIDE UP VIEW (int. dimensions)</div><div></div></div><div><div>UPSIDE-DOWN VIEW (int. dimensions)</div><div></div></div><div><div>INSIDE WALL DIMENSIONS</div><div></div></div></div> |         |              |                               |                                      |                                           |                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |              | Seam Up: Flat<br>Seam Dn: n/a |                                      | Wall Thickness: 8"<br>Floor Height: 8"    |                                                                                                | Height (Int): 25"<br>Height (Ext): 33" |                                                                                                                                                                                                                                                                                                                                                                            | Weight (Net): 3506 lb<br>Volume (Net): 0.9cu.yd                                    |        |  |

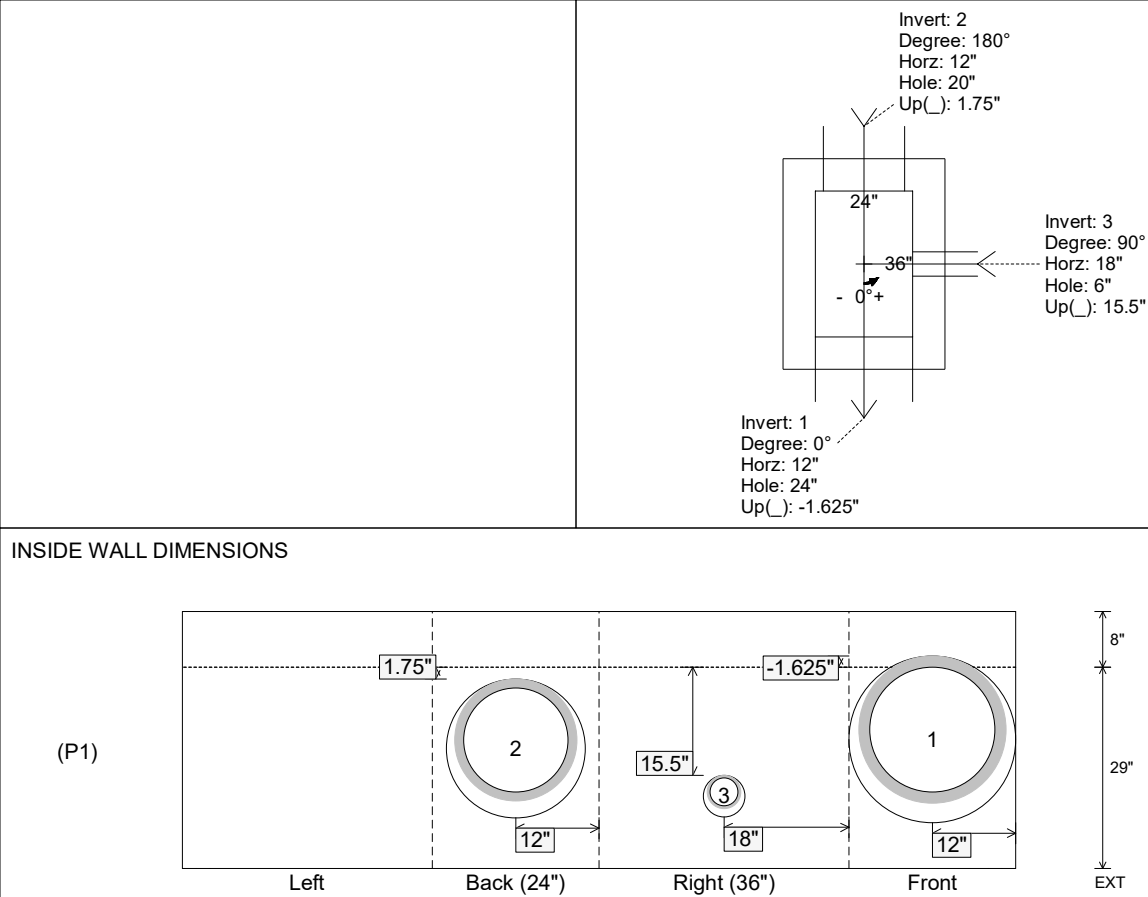
|                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |                                           |         |                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|-------------------------------------------|---------|-----------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--|--|
| Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)<br>Job Location: Hopkinsville, KY<br>Contractor: Scotty's Contracting & Stone, LLC                                                                                                                                                                                                                                                                                                           |         |       |           | Plant: Beaver Dam<br>6/26/2026 7:35:32 AM |         | Tech: J. Horsley<br>PC: C. Goff                                                         |      |                                                                                                                                                                                                                                                                                          |         |        |  |  |
| Structure ID: 103                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |       |           |                                           |         |                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |  |  |
| P1 BX2436-08BVF                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           | BOX BASE 8inW, 8inF, Variable Ht F/n      |         |                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |  |  |
| <p>P4) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10"<br/>P3) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18"<br/>P2) 24" x 36" - FIELD ADJUSTMENT - 3"<br/>P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 29"<br/>1) CASTING - HOE KY-206 F/C (KY TY1)<br/>1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast)<br/>2) 24" x 36" - Conseal CS-102 1.00"<br/>1) Hole - 24<br/>1) Hole - 20<br/>1) Hole - 6</p> |         |       |           |                                           |         | 3398 lb<br>5270 lb<br>0 lb<br>3898 lb<br>206 lb<br>0 lb<br>0 lb<br>0 lb<br>0 lb<br>0 lb |      | <p>Structure Notes:<br/>** KYTC STATE PROJECT **<br/>STATION: 404+00 RT<br/>1. PER KYTC CBI TYPE A / ASTM C-913 SPECS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br/>4. HOE KY-206 FRAME &amp; COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP</p> |         |        |  |  |
| Rim: 553.71' Rim to Invert: 5.08' Slack: 0.96" Sump: 0" Step Position:                                                                                                                                                                                                                                                                                                                                                                                   |         |       |           |                                           |         | Structure Total: 12772 lb                                                               |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |  |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Elev    | Angle | Ext. (cw) | Pipe                                      | Pipe OD | Connector                                                                               | Hole | Horz Size                                                                                                                                                                                                                                                                                                                                                                  | Up ( )  | Offset |  |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 548.63' | 0°    | 20"       | 18" HDPE                                  | 21.2"   | Hole 24                                                                                 | 24"  | 24"                                                                                                                                                                                                                                                                                                                                                                        | -1.625" | 0"     |  |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 548.88' | 180°  | 20"       | 15" HDPE                                  | 17.6"   | Hole 20                                                                                 | 20"  | 20"                                                                                                                                                                                                                                                                                                                                                                        | 1.75"   | 0"     |  |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 549.96' | 90°   | 26"       | 4" HDPE (perf pipe)                       | 4.8"    | Hole 6                                                                                  | 6"   | 6"                                                                                                                                                                                                                                                                                                                                                                         | 15.5"   | 0"     |  |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |       |           |                                           |         |                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |  |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |       |           |                                           |         |                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |  |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |       |           |                                           |         |                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |  |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |       |           |                                           |         |                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |  |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |       |           |                                           |         |                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                            |         |        |  |  |



(P1) <<

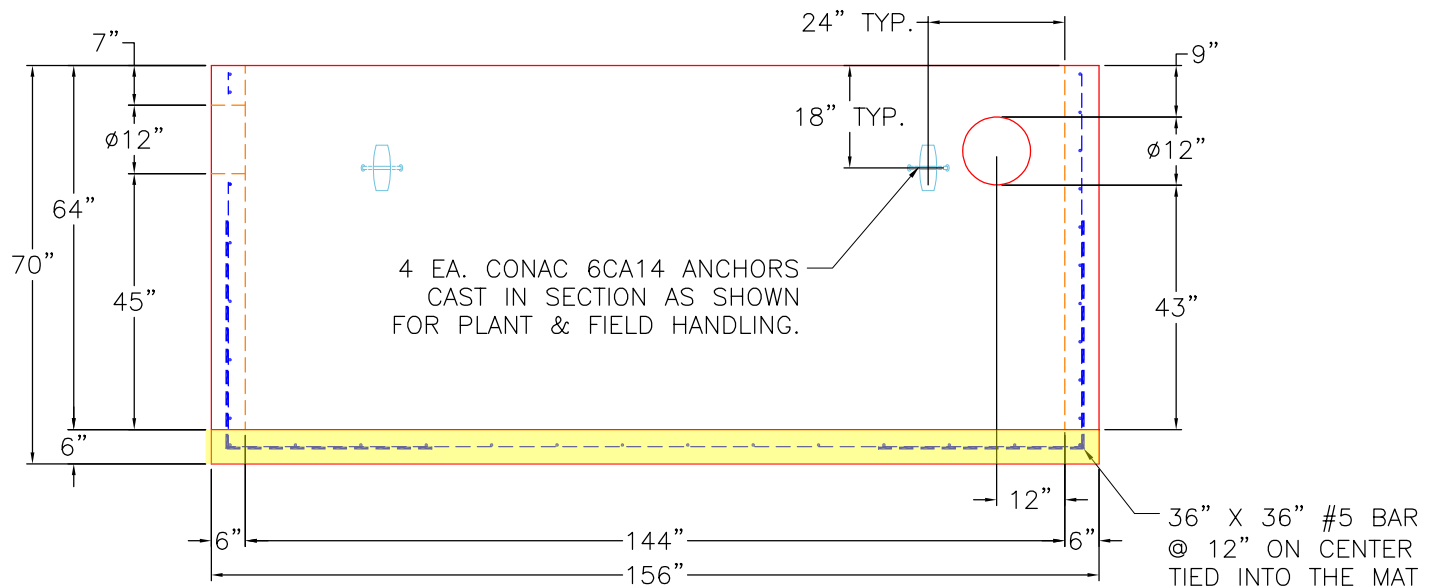
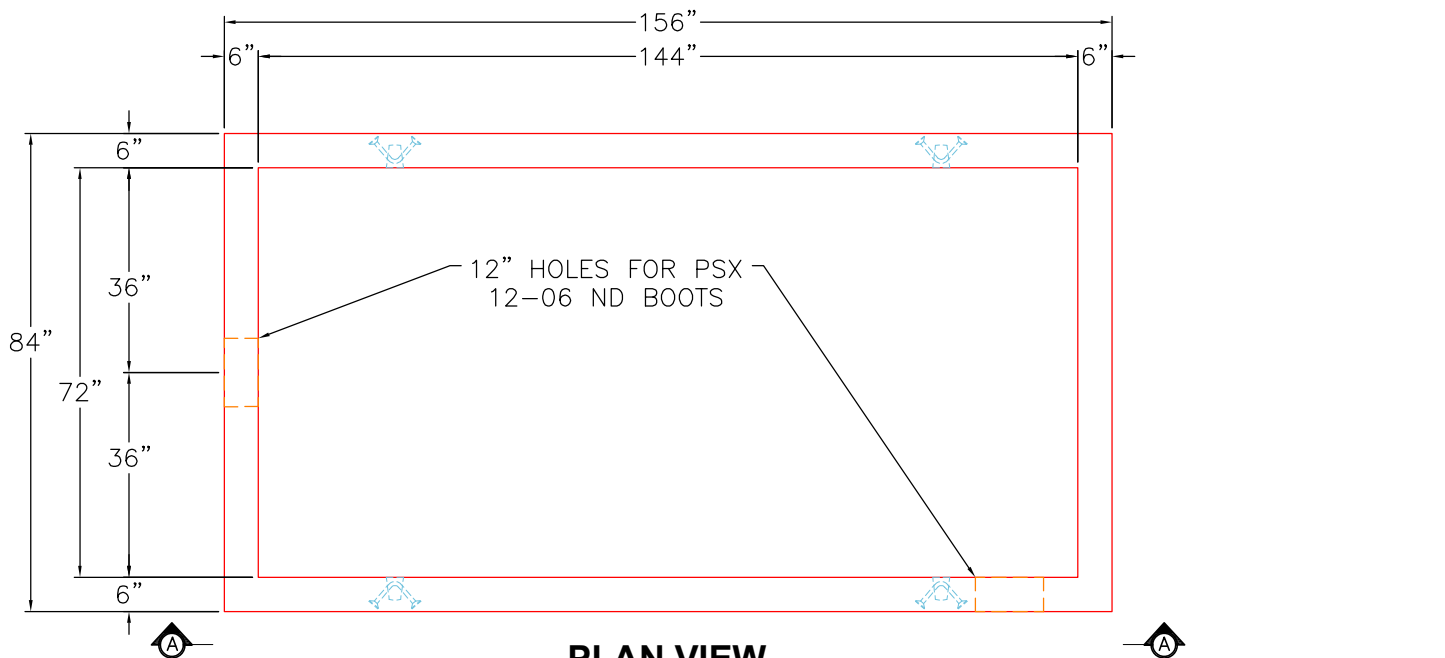
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

|                                  |                               |                                        |                                        |                                               |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Flat<br>Seam Dn: n/a | Wall Thickness: 8"<br>Floor Height: 8" | Height (Int): 29"<br>Height (Ext): 37" | Weight (Net): 3898 lb<br>Volume (Net): 1cu.yd |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------------|

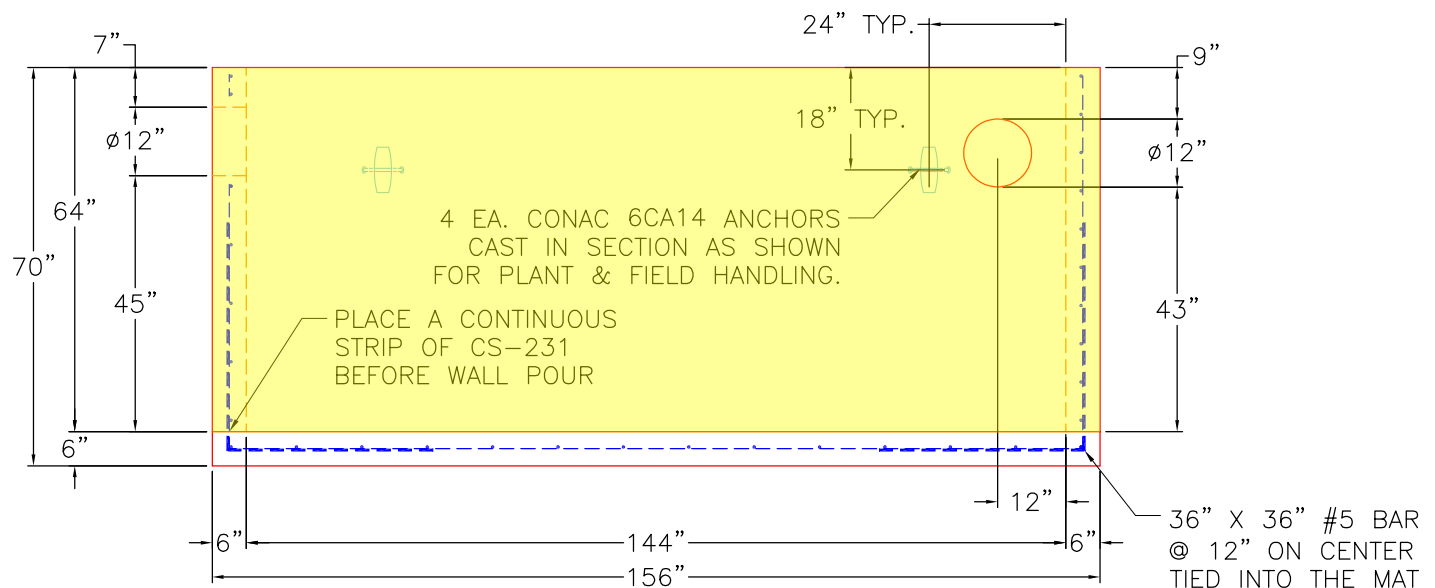
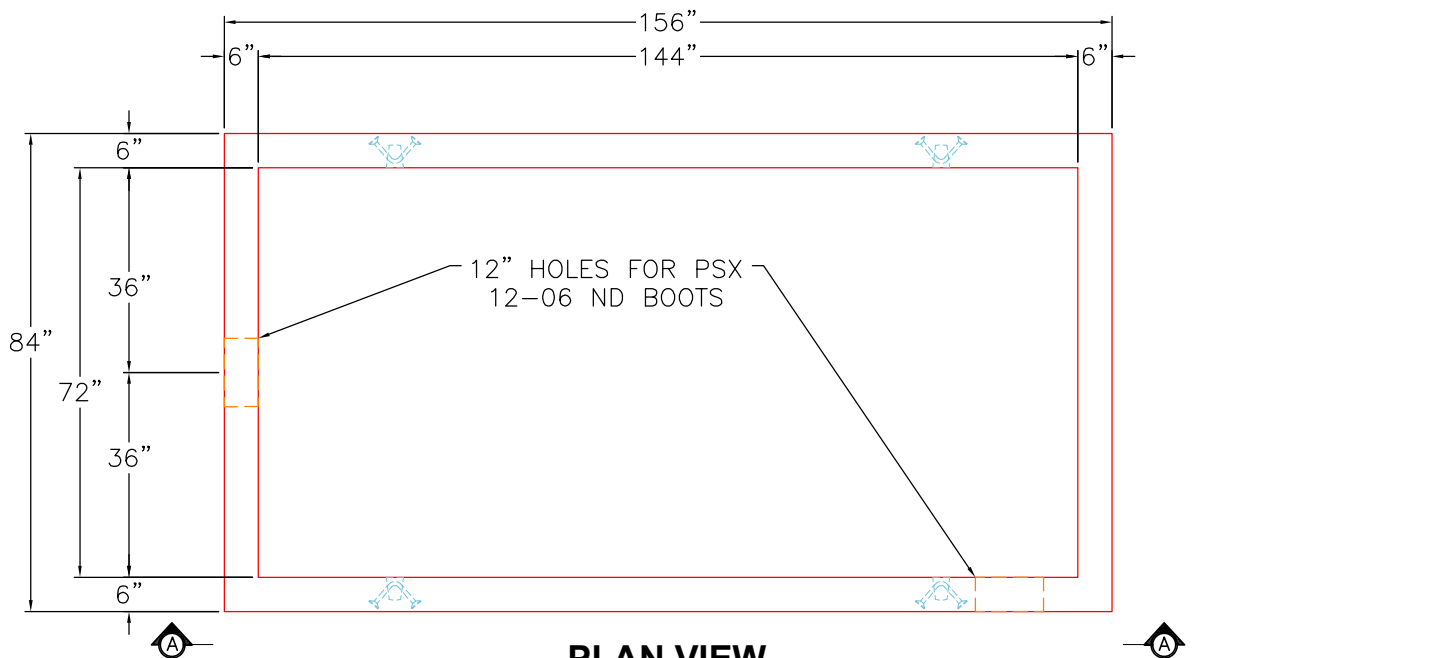


#### GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: WALLS AND FLOOR #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHTS: TOTAL = 23,431 LBS  
 FIRST POUR = 6,598 LBS  
 SECOND POUR = 14,643 LBS  
 THIRD POUR = 2,190 LBS
5. ICAST TO PROVIDE 2X PSX 12-06 ND BOOTS
6. JOINT SEALANT TO BE CONSEAL CS-102, 1".

#### FIRST POUR DRAWING

|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                          |                                       |                                                                  |            |                       |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------|------------|-----------------------|
| PRODUCTION WORK ORDER                                                              |                                                                                                                                                                                                                                                                                                                                                                          | PRODUCT I.D.:<br>BX072144-06W06F-VFFT | DESCRIPTION: 72" X 144" X 64" TALL<br>2,000 GAL GREASE TRAP BASE |            |                       |
|  | QUALITY CONTROL CHECKLIST                                                                                                                                                                                                                                                                                                                                                | PRODUCT VIEW: RIGHT SIDE UP           | CUSTOMER: CORE & MAIN LP                                         |            |                       |
|                                                                                    | <input type="checkbox"/> ALL DIMENSIONS CORRECT.<br><input type="checkbox"/> LIFTERS INSTALLED.<br><input type="checkbox"/> HOLE LOCATION(S) CORRECT.<br><input type="checkbox"/> REINFORCING CORRECT.<br><input type="checkbox"/> BAFFLE POURED CORRECTLY.<br><input type="checkbox"/> BOOTS & BANDS INSTALLED.<br><input type="checkbox"/> SURFACE QUALITY ACCEPTABLE. | PLANT: BEAVER DAM, KY.                | PROJECT: 2707 MEMORIAL BLVD GREASE TRAPS                         |            |                       |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                          | WEIGHT: 23,431 LBS.                   | STRUCTURE: QL1 GT2000 (2)                                        |            |                       |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                          | TOP SECTION JOINT: N/A                | ORDER NO: 26-2901                                                |            |                       |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                          | BASE SECTION JOINT: N/A               | PC: T. LEWIS                                                     |            | DRAWING: S. FELLETTER |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                          | QC CHECK INITIALS:                    | DATE: 07/07/26                                                   | SCALE: NTS | PG. 1 of 1            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                          |                                       |                                                                  |            |                       |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                          |                                       |                                                                  |            |                       |

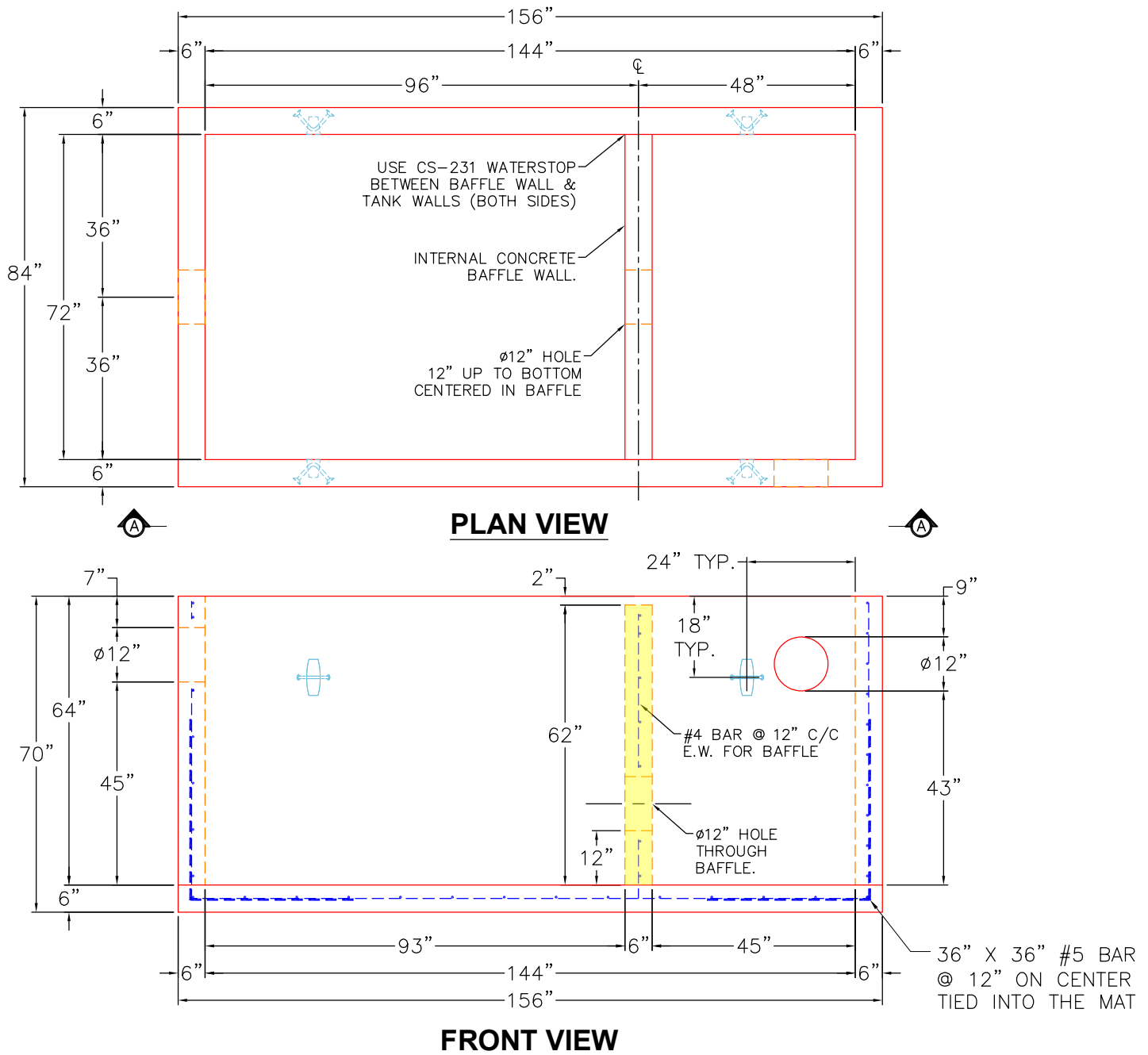


#### GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: WALLS AND FLOOR #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHTS: TOTAL = 23,431 LBS  
FIRST POUR = 6,598 LBS  
SECOND POUR = 14,643 LBS  
THIRD POUR = 2,190 LBS
5. ICAST TO PROVIDE 2X PSX 12-06 ND BOOTS
6. JOINT SEALANT TO BE CONSEAL CS-102, 1".

#### SECOND POUR DRAWING

|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                                                  |  |                       |            |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------|--|-----------------------|------------|
| PRODUCTION WORK ORDER                                                              |                                                                                                                                                                                                                                                                                                                                                                                                           | PRODUCT I.D.:<br>BX072144-06W06F-VFFT | DESCRIPTION: 72" X 144" X 64" TALL<br>2,000 GAL GREASE TRAP BASE |  |                       |            |
|  | QUALITY CONTROL CHECKLIST<br><br><input type="checkbox"/> ALL DIMENSIONS CORRECT.<br><input type="checkbox"/> LIFTERS INSTALLED.<br><input type="checkbox"/> HOLE LOCATION(S) CORRECT.<br><input type="checkbox"/> REINFORCING CORRECT.<br><input type="checkbox"/> BAFFLE POURED CORRECTLY.<br><input type="checkbox"/> BOOTS & BANDS INSTALLED.<br><input type="checkbox"/> SURFACE QUALITY ACCEPTABLE. | PRODUCT VIEW: RIGHT SIDE UP           | CUSTOMER: CORE & MAIN LP                                         |  |                       |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | PLANT: BEAVER DAM, KY.                | PROJECT: 2707 MEMORIAL BLVD GREASE TRAPS                         |  |                       |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | WEIGHT: 23,431 LBS.                   | STRUCTURE: QL1 GT2000 (2)                                        |  |                       |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | TOP SECTION JOINT: N/A                | ORDER NO: 26-2901                                                |  |                       |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | BASE SECTION JOINT: N/A               | PC: T. LEWIS                                                     |  | DRAWING: S. FELLETTER |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | QC CHECK INITIALS:                    | DATE: 07/07/26                                                   |  | SCALE: NTS            | PG. 1 of 1 |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                                                  |  |                       |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                                                  |  |                       |            |

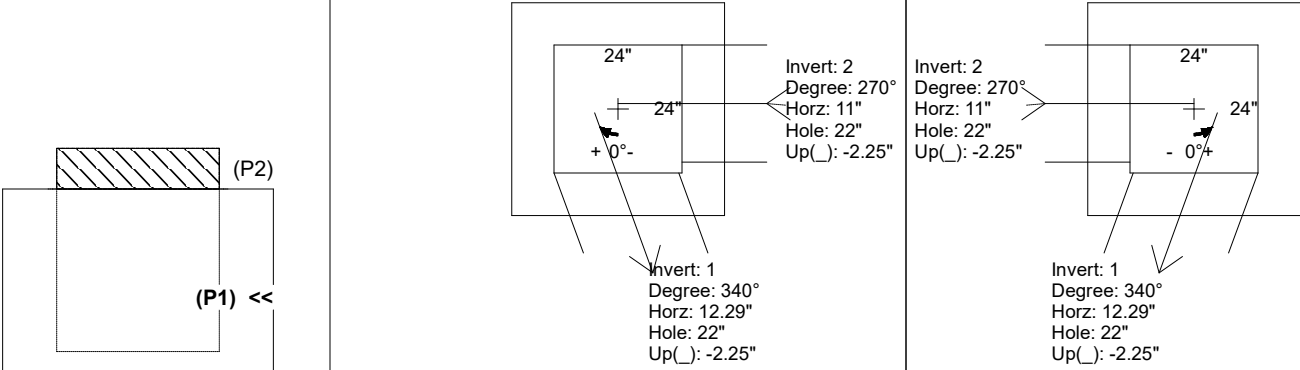
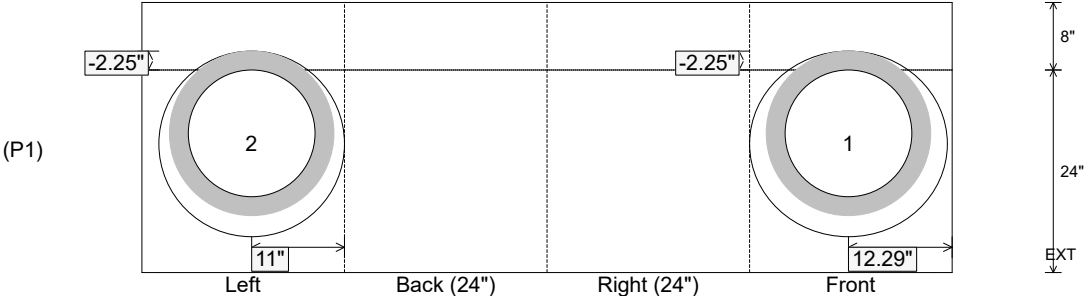


#### GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: WALLS AND FLOOR #5 BAR @ 12" E.W. O.C. (GRADE 60).
4. WEIGHTS: TOTAL = 23,431 LBS  
FIRST POUR = 6,598 LBS  
SECOND POUR = 14,643 LBS  
**THIRD POUR = 2,190 LBS**
5. ICAT TO PROVIDE 2X PSX 12-06 ND BOOTS
6. JOINT SEALANT TO BE CONSEAL CS-102, 1".

#### THIRD POUR DRAWING

|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                                                  |  |                        |            |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------|--|------------------------|------------|
| PRODUCTION WORK ORDER                                                              |                                                                                                                                                                                                                                                                                                                                                                                                           | PRODUCT I.D.:<br>BX072144-06W06F-VFFT | DESCRIPTION: 72" X 144" X 64" TALL<br>2,000 GAL GREASE TRAP BASE |  |                        |            |
|  | QUALITY CONTROL CHECKLIST<br><br><input type="checkbox"/> ALL DIMENSIONS CORRECT.<br><input type="checkbox"/> LIFTERS INSTALLED.<br><input type="checkbox"/> HOLE LOCATION(S) CORRECT.<br><input type="checkbox"/> REINFORCING CORRECT.<br><input type="checkbox"/> BAFFLE POURED CORRECTLY.<br><input type="checkbox"/> BOOTS & BANDS INSTALLED.<br><input type="checkbox"/> SURFACE QUALITY ACCEPTABLE. | PRODUCT VIEW: RIGHT SIDE UP           | CUSTOMER: CORE & MAIN LP                                         |  |                        |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | PLANT: BEAVER DAM, KY.                | PROJECT: 2707 MEMORIAL BLVD GREASE TRAPS                         |  |                        |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | WEIGHT: 23,431 LBS.                   | STRUCTURE: QL1 GT2000 (2)                                        |  |                        |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | TOP SECTION JOINT: N/A                | ORDER NO: 26-2901                                                |  |                        |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | BASE SECTION JOINT: N/A               | PC: T. LEWIS                                                     |  | DRAWING: S. FELLETTTER |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           | QC CHECK INITIALS:                    | DATE: 07/07/26                                                   |  | SCALE: NTS             | PG. 1 of 1 |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                                                  |  |                        |            |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                                                  |  |                        |            |

|                                                                                                                                          |         |               |                               |                     |                                                                      |           |                                                                                                                                                                                                                                                                                                                 |           |                                                                                    |        |                |  |
|------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|-------------------------------|---------------------|----------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|----------------|--|
| Job Name: 23-2309 - Richland Estates Subdivision<br>Job Location: Portland, TN<br>Contractor: Core & Main LP (BG)                        |         |               |                               |                     | Plant: 100<br>6/30/2026 8:52:14 AM                                   |           | Tech: J. Horsley<br>PC: T. Lewis                                                                                                                                                                                                                                                                                |           |  |        |                |  |
| Structure ID: 17 ST-SCI                                                                                                                  |         |               |                               |                     |                                                                      |           |                                                                                                                                                                                                                                                                                                                 |           |                                                                                    |        |                |  |
| P1                                                                                                                                       |         | BX2424-08BA24 |                               | BOX BASE 8inW, 8inF |                                                                      |           |                                                                                                                                                                                                                                                                                                                 |           |                                                                                    |        |                |  |
| P2) 24" x 24" - CASTING HEIGHT - 6"<br>P1) 24" x 24" - BOX BASE 8inW, 8inF - 24"<br>1) 24" x 24" - Conseal CS-102 1.00"<br>2) Hole - 22" |         |               |                               |                     | 0 lb<br>2685 lb<br>0 lb<br>0 lb<br>-----<br>Structure Total: 2685 lb |           | <b>Structure Notes:</b><br>1. PER ASTM C913 SPECIFICATIONS.<br>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br>3. NO INVERT CHANNEL.<br>4. CASTING BY OTHERS (NEENAH R-3501 TR/TL).<br><br>REINFORCING PER ASTM A615 (GRADE 60).<br>- WALLS (As .31) #5 BARS AT 12" C.C.E.W.<br>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W. |           |                                                                                    |        |                |  |
| Rim: 806.18'                                                                                                                             |         |               |                               |                     | Rim to Invert: 2.94'                                                 |           | Slack: 5.28"                                                                                                                                                                                                                                                                                                    |           | Sump: 0"                                                                           |        | Step Position: |  |
| Position                                                                                                                                 | Elev    | Angle         | Ext. (cw)                     | Pipe                | Pipe OD                                                              | Connector | Hole                                                                                                                                                                                                                                                                                                            | Horz Size | Up ( )                                                                             | Offset |                |  |
| Invert 1                                                                                                                                 | 803.24' | 340°          | 17.378"                       | 15" RCP B WALL      | 19.5"                                                                | Hole 22   | 22"                                                                                                                                                                                                                                                                                                             | 23.412"   | -2.25"                                                                             | 4.377" |                |  |
| Invert 2                                                                                                                                 | 803.24' | 270°          | 19"                           | 15" RCP B WALL      | 19.5"                                                                | Hole 22   | 22"                                                                                                                                                                                                                                                                                                             | 22"       | -2.25"                                                                             | -1"    |                |  |
| 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):<br>Coating (Ext):                                                                                                         |         |               | Seam Up: Flat<br>Seam Dn: n/a |                     | Wall Thickness: 8"<br>Floor Height: 8"                               |           | Height (Int): 24"<br>Height (Ext): 32"                                                                                                                                                                                                                                                                          |           | Weight (Net): 2685 lb<br>Volume (Net): 0.69cu.yd                                   |        |                |  |



|                                                                                                                                                                    |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|-----------|----------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 23-2309 - Richland Estates Subdivision<br>Job Location: Portland, TN<br>Contractor: Core & Main LP (BG)                                                  |         |               |           |                | Plant: 100<br>6/30/2026 8:52:09 AM |                                                                                                                                                                                                                                                                                                                                                                                                                  | Tech: J. Horsley<br>PC: T. Lewis |           |  |        |  |
| Structure ID: 07 ST-SCI                                                                                                                                            |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| P1                                                                                                                                                                 |         | BX2424-08BAVF |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| BOX BASE 8inW, 8inF, Variable Ht                                                                                                                                   |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| <div>P2) 24" x 24" - CASTING HEIGHT - 6"<br/>P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 28"<br/>1) 24" x 24" - Conseal CS-102 1.00"<br/>1) Hole - 22</div> |         |               |           |                |                                    | <div>0 lb<br/>3225 lb<br/>0 lb<br/>0 lb<br/>-----<br/>Structure Total: 3225 lb</div> <div>Structure Notes:<br/>1. PER ASTM C913 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. NO INVERT CHANNEL.<br/>4. CASTING BY OTHERS (NEENAH R-3501 TR/TL).<br/><br/>REINFORCING PER ASTM A615 (GRADE 60).<br/>- WALLS (As .31) #5 BARS AT 12" C.C.E.W.<br/>- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.</div> |                                  |           |                                                                                    |        |  |
| Rim: 806.34' Rim to Invert: 2.97' Slack: 1.64' Sump: 0" Step Position:                                                                                             |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| Position                                                                                                                                                           | Elev    | Angle         | Ext. (cw) | Pipe           | Pipe OD                            | Connector                                                                                                                                                                                                                                                                                                                                                                                                        | Hole                             | Horz Size | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                           | 803.37' | 0°            | 20"       | 15" RCP B WALL | 19.5"                              | Hole 22                                                                                                                                                                                                                                                                                                                                                                                                          | 22"                              | 22"       | -2.25"                                                                             | 0"     |  |
| Invert 2                                                                                                                                                           |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| Invert 3                                                                                                                                                           |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| Invert 4                                                                                                                                                           |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| Invert 5                                                                                                                                                           |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| Invert 6                                                                                                                                                           |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| Invert 7                                                                                                                                                           |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |
| Invert 8                                                                                                                                                           |         |               |           |                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |           |                                                                                    |        |  |

INSIDE WALL DIMENSIONS

(P1)

Left Back (24") Right (24") Front

12"

28"

8"

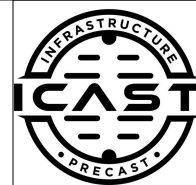
EXT

|                                  |                               |                                        |                                        |                                                  |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Flat<br>Seam Dn: n/a | Wall Thickness: 8"<br>Floor Height: 8" | Height (Int): 28"<br>Height (Ext): 36" | Weight (Net): 3225 lb<br>Volume (Net): 0.82cu.yd |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)  
Job Location: Independence, KY  
Contractor: Eaton Asphalt

Plant: 100  
6/30/2026 2:46:02 PM

Tech: Jared - A  
PC: J. Jarvis



## Structure ID: 604

### P1 BX2436-08BVF

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

- P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT - 10"  
P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT - 18"  
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 33"  
1) CASTING - HOE KY-206 F/C (KY TY1)  
1) 24" x 36" - Conseal CS-102 1.00"  
2) Hole - 24  
2) Hole - 8

Structure Notes:  
\*\* KYTC STATE PROJECT \*\*  
1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST.  
2. CONCRETE = 4,000 PI AT 28 DAYS.  
3. REINFORCING PER ASTM A615 (GRADE 60).  
- TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W.  
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.  
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

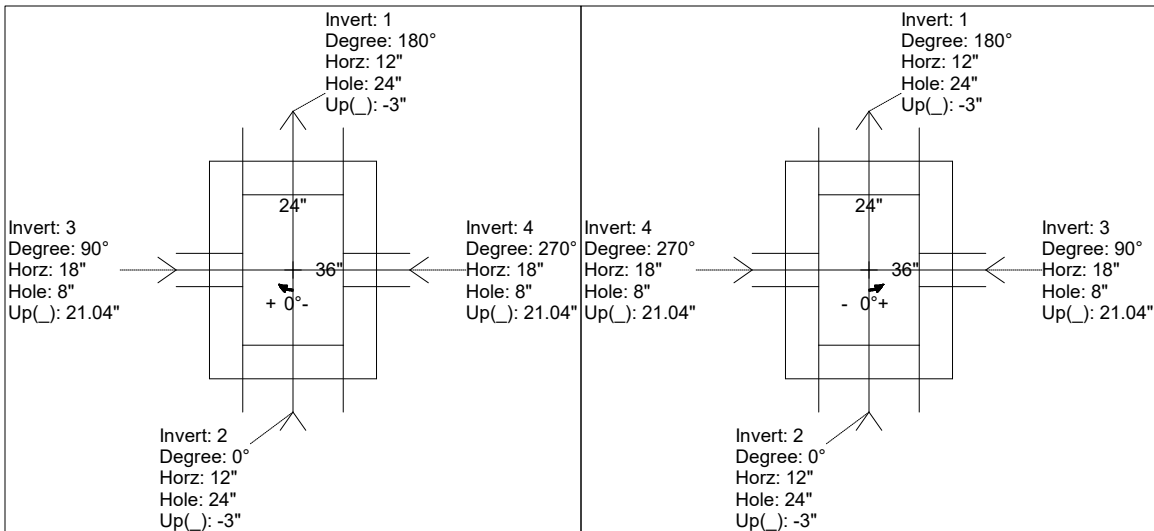
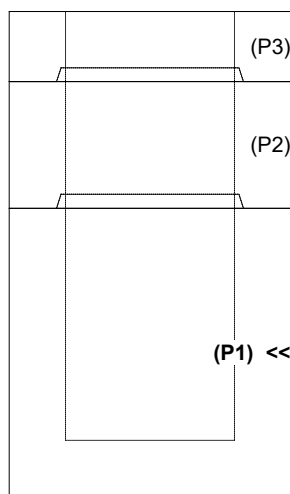
Structure Total: 13114 lb

Rim: 921.16' Rim to Invert: 5.09' Slack: 0.08" Sump: 0" Step Position:

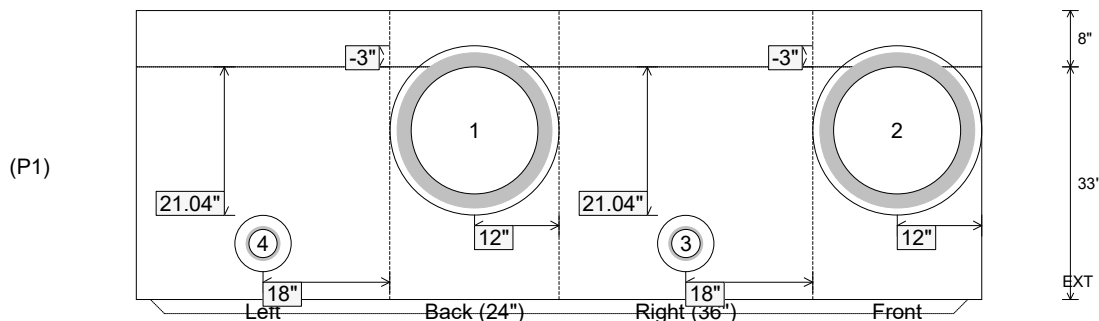
| Position | Elev    | Angle | Ext. (cw) | Pipe                | Pipe OD | Connector | Hole | Horz Size | Up ( _ ) | Offset |
|----------|---------|-------|-----------|---------------------|---------|-----------|------|-----------|----------|--------|
| Invert 1 | 916.07' | 180°  | 20"       | 18" ADS N-12        | 22"     | Hole 24   | 24"  | 24"       | -3"      | 0"     |
| Invert 2 | 916.07' | 0°    | 20"       | 18" ADS N-12        | 22"     | Hole 24   | 24"  | 24"       | -3"      | 0"     |
| Invert 3 | 917.99' | 90°   | 26"       | 4" HDPE (perf pipe) | 4.8"    | Hole 8    | 8"   | 8"        | 21.04"   | 0"     |
| Invert 4 | 917.99' | 270°  | 26"       | 4" HDPE (perf pipe) | 4.8"    | Hole 8    | 8"   | 8"        | 21.04"   | 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: 8"  
Floor Height: 8"

Height (Int): 33"  
Height (Ext): 41"

Weight (Net): 4240 lb  
Volume (Net): 1.08cu.yd

Job Name: 25-3062 Portland Bypass  
Job Location: Portland, TN  
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam  
6/1/2026 8:22:59 AM

Tech: J. Coppage  
PC: C. Goff



Structure ID: CB-25

P1 BX3232-08B48

BOX BASE 8inW, 8inF

- P2) 32" x 32" - CASTING HEIGHT - 7"  
P1) 32" x 32" - BOX BASE 8inW, 8inF - 48"  
1) CASTING - JBS-3123 MODIFIED SET  
1) 32" x 32" - Conseal CS-102 1.00"  
2) Hole - 32  
1) Hole - 6

Structure Total: 6128 lb

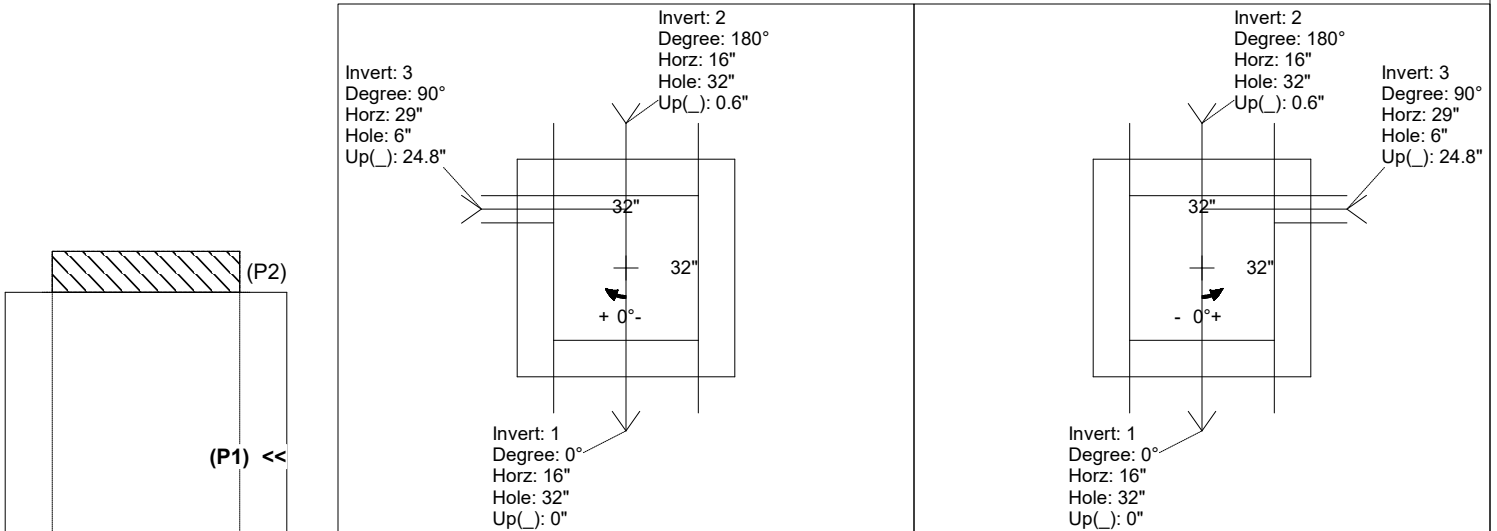
- Structure Notes:  
1. PER TDOT D-CB-12LP / ASTM C913 SPEC'S.  
2. CONCRETE = 4,000 PSI AT 28 DAYS.  
3. JBS 3123 MOD SINGLE SET BY ICAST  
4. REINFORCING PER ASTM A615 (GRADE 60).  
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.  
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

Rim: 800.66' Rim to Invert: 4.35' Slack: 0.2" Sump: 3" Step Position:

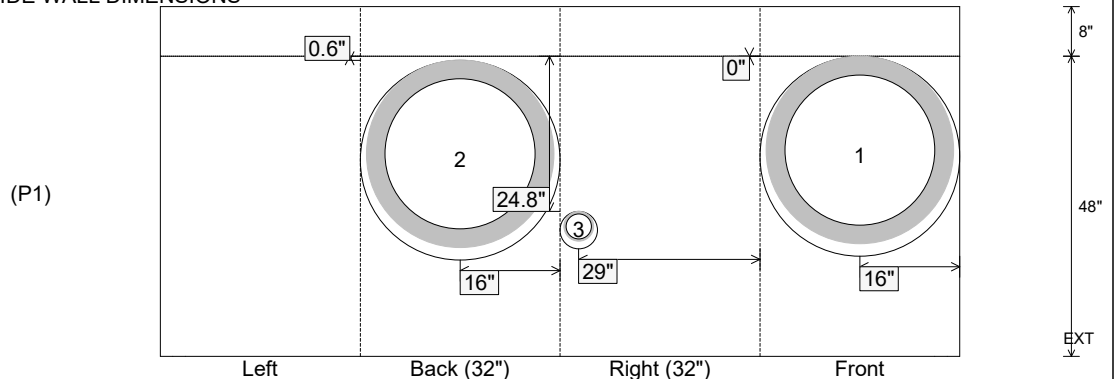
| Position | Elev    | Angle | Ext. (cw) | Pipe                | Pipe OD | Connector | Hole | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|---------------------|---------|-----------|------|-----------|--------|--------|
| Invert 1 | 796.31' | 0°    | 24"       | 24" RCP B WALL      | 30"     | Hole 32   | 32"  | 32"       | 0"     | 0"     |
| Invert 2 | 796.36' | 180°  | 24"       | 24" RCP B WALL      | 30"     | Hole 32   | 32"  | 32"       | 0.6"   | 0"     |
| Invert 3 | 798.16' | 90°   | 37"       | 4" HDPE (perf pipe) | 4.8"    | Hole 6    | 6"   | 6"        | 24.8"  | 13"    |
| 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): 48"  
Height (Ext): 56"

Weight (Net): 5878 lb  
Volume (Net): 1.5cu.yd

Plant: Beaver Dam

---

6/9/2026 10:37:10 AM

|       |               |
|-------|---------------|
| Tech: | S. Felletter  |
| PC:   | Erica Bradley |



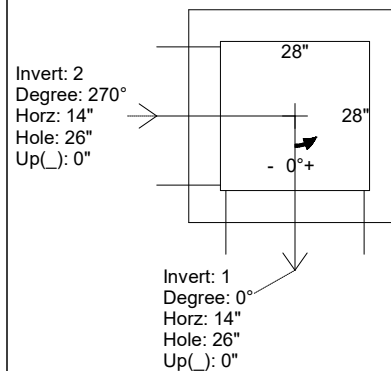
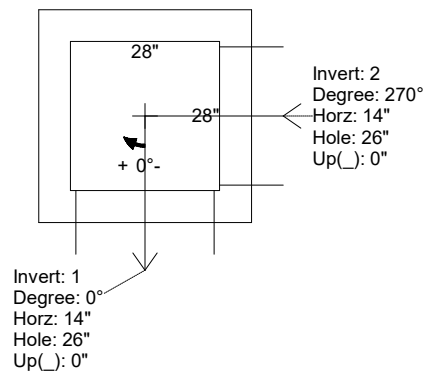
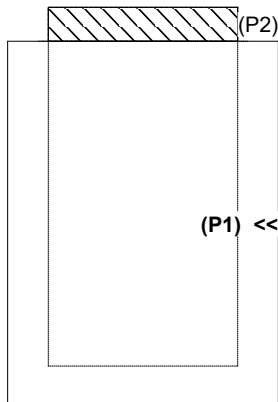
**BOX BASE 6inW, 6inF F/n**

0 lb  
3558 lb  
450 lb  
250 lb  
0 lb  
0 lb  
-----

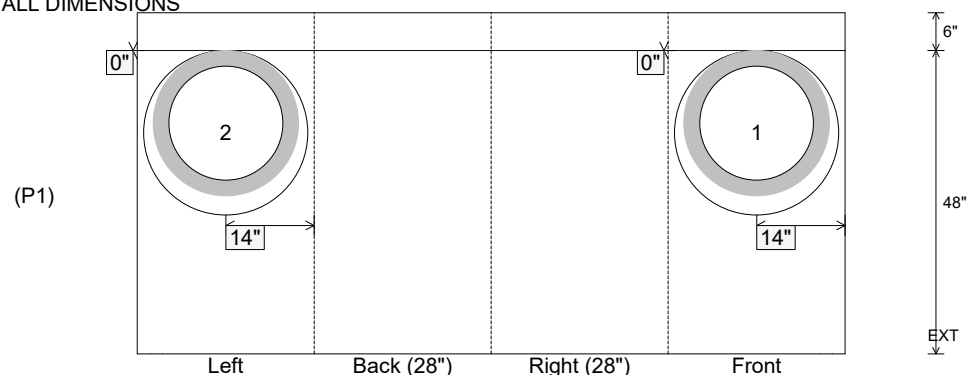
Structure Total: 4258 lb

[illegible]

UPSIDE-DOWN VIEW (int. dimensions)



### INSIDE WALL DIMENSIONS



|                         |
|-------------------------|
| Weight (Net): 3558 lb   |
| Volume (Net): 0.91cu.yd |

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:37:10 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R22

P1 BX2828-06BA48

BOX BASE 6inW, 6inF F/n

P2) 28" x 28" - CASTING HEIGHT - 5"

P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48"

1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK

1) CASTING - JBS 3104-V SINGLE SET

1) 28" x 28" - Conseal CS-102 1.00"

2) Hole - 26

0 lb

3558 lb

450 lb

250 lb

0 lb

0 lb

-----

Structure Total: 4258 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

2. CONCRETE = 4,000 PSI AT 28 DAYS.

3. CASTING BY ICAST (JBS-3104 SINGLE SET).

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.

Invert channel drawing

4" Thick flat storm invert

Rim: 594.26'

Rim to Invert: 4.4'

Slack: 2.3"

Sump: 2.5"

Step Position:

| Position | Elev    | Angle | Ext. (cw) | Pipe           | Pipe OD | Connector | Hole | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|----------------|---------|-----------|------|-----------|--------|--------|
| Invert 1 | 589.86' | 0°    | 20"       | 18" RCP B WALL | 23"     | Hole 26   | 26"  | 26"       | 0"     | 0"     |
| Invert 2 | 589.86' | 270°  | 20"       | 18" RCP B WALL | 23"     | Hole 26   | 26"  | 26"       | 0"     | 0"     |
| Invert 3 |         |       |           |                |         |           |      |           |        |        |
| Invert 4 |         |       |           |                |         |           |      |           |        |        |
| Invert 5 |         |       |           |                |         |           |      |           |        |        |
| Invert 6 |         |       |           |                |         |           |      |           |        |        |
| Invert 7 |         |       |           |                |         |           |      |           |        |        |
| Invert 8 |         |       |           |                |         |           |      |           |        |        |

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

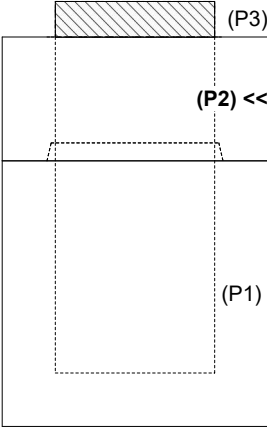
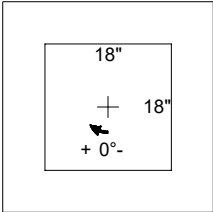
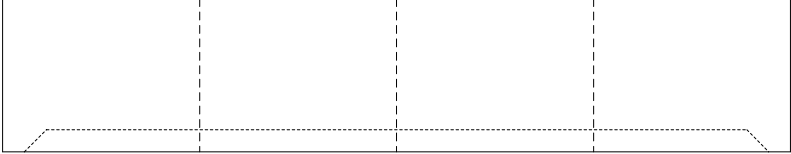
Floor Height: 6"

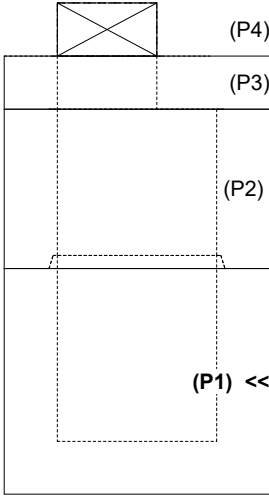
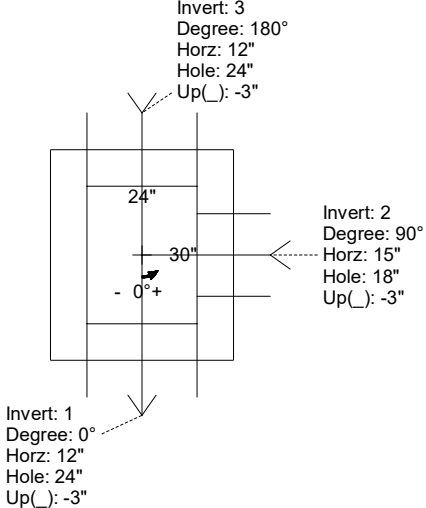
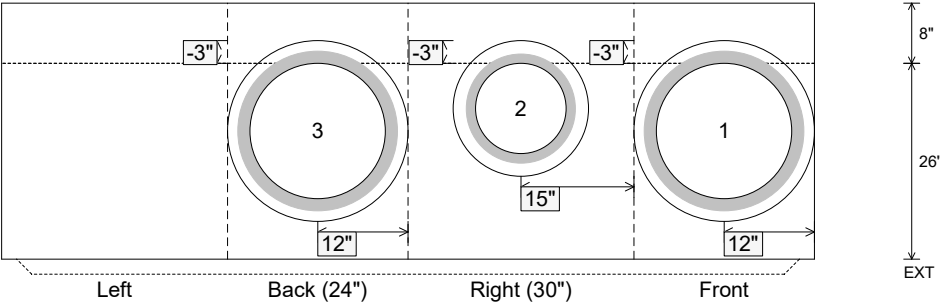
Height (Int): 48"

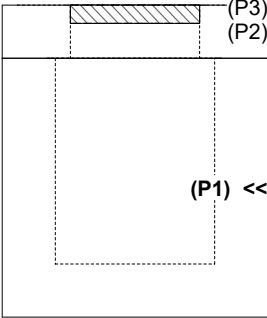
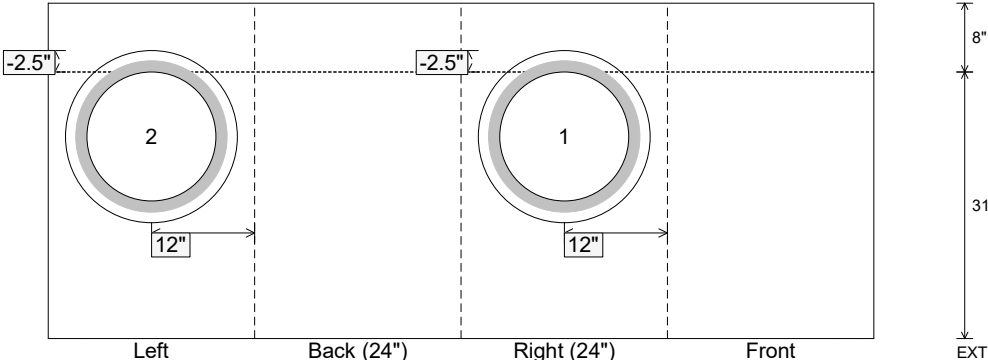
Height (Ext): 54"

Weight (Net): 3558 lb

Volume (Net): 0.91cu.yd

|                                                                                                                                                                                                                 |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|-----------|----------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|--|
| Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)<br>Job Location: Indiana, KY<br>Contractor: Louisville Paving and Construction                                                                          |      |                                                                                      |           |                                  | Plant: 100<br>6/17/2026 5:41:13 PM |                                                                                                    | Tech: J. Horsley - A<br>PC: J. Jarvis |                                                                                                                                                                                                                                                             |  |                                                 |  |
| Structure ID: 49                                                                                                                                                                                                |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| P2                                                                                                                                                                                                              |      | BX1818-06RVF                                                                         |           | BOX RISER 6inW, Variable Ht F/G  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| <p>P3) 18" x 18" - CASTING HEIGHT - 4"<br/>P2) 18" x 18" - BOX RISER 6inW, Variable Ht F/G - 14"<br/>P1) 18" x 18" - BOX BASE 6inW, 6inF T/n - 24"<br/>2) 18" x 18" - Conseal CS-102 1.00"<br/>1) Hole - 18</p> |      |                                                                                      |           |                                  |                                    | <p>0 lb<br/>677 lb<br/>1517 lb<br/>0 lb<br/>0 lb<br/>-----<br/>2194 lb</p> <p>Structure Total:</p> |                                       | <p>Structure Notes:</p> <p>1. PER MSD YARD DRAIN / ASTM C-913 SPECS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br/>4. HOE 165-A FRAME &amp; GRATE SUPPLIED BY OTHERS</p> |                                                                                    |                                                 |  |
| Rim: 551.29'                                                                                                                                                                                                    |      | 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                                                                                                                                                                                                        |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| Invert 2                                                                                                                                                                                                        |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| Invert 3                                                                                                                                                                                                        |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| Invert 4                                                                                                                                                                                                        |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| Invert 5                                                                                                                                                                                                        |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| Invert 6                                                                                                                                                                                                        |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| Invert 7                                                                                                                                                                                                        |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| Invert 8                                                                                                                                                                                                        |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| RIGHT-SIDE UP VIEW (int. dimensions)                                                                                                                                                                            |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
|                                                                                                                              |      |  |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| INSIDE WALL DIMENSIONS                                                                                                                                                                                          |      |                                                                                      |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    |                                                 |  |
| (P2)                                                                                                                                                                                                            |      |  |           |                                  |                                    |                                                                                                    |                                       |                                                                                                                                                                                                                                                             |                                                                                    | EXT<br>14"                                      |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                |      |                                                                                      |           | Seam Up: Flat<br>Seam Dn: Groove |                                    | Wall Thickness: 6"<br>Floor Height: 0"                                                             |                                       | Height (Int): 14"<br>Height (Ext): 14"                                                                                                                                                                                                                      |                                                                                    | Weight (Net): 677 lb<br>Volume (Net): 0.17cu.yd |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                  |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|---------------------------------|----------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)<br>Job Location: Indiana, KY<br>Contractor: Louisville Paving and Construction                                                                                                                                                                                                                                                                           |         |       |                                 |          | Plant: 100<br>6/12/2026 3:09:53 PM     |                                                                                                                                                | Tech: J. Horsley - A<br>PC: J. Jarvis  |                                                                                                                                                                                                                                                                                                                        |  |        |  |
| Structure ID: 56                                                                                                                                                                                                                                                                                                                                                                                                 |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| P1 BX24300808VF BOX BASE 8inW, 8inF, Variable Ht T/n                                                                                                                                                                                                                                                                                                                                                             |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| <p>P4) 15" x 27" - P.I.P. - BY OTHERS - 8"<br/>P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"<br/>P2) 24" x 30" - BOX RISER 8inW F/G - 24"<br/>P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 26"<br/>2) 24" x 30" - Conseal CS-102 1.00"<br/>1) 15" x 27" - Conseal CS-102 1.00"<br/>2) Hole - 24<br/>1) Hole - 18<br/>2) Hole - 4</p>                                                         |         |       |                                 |          |                                        | <p>0 lb<br/>963 lb<br/>2239 lb<br/>3052 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>-----<br/>0 lb</p> <p>Structure Total: 6254 lb</p> |                                        | <p>Structure Notes:<br/>** KYTC STATE PROJECT **<br/>1. PER KYTC DBI TYPE 13G / ASTM C-913 SPECS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br/>4. HOE KY-230G FRAME &amp; GRATE SUPPLIED BY OTHERS - POURED IN PLACE BY OTHERS</p> |                                                                                    |        |  |
| Rim: 551.85' Rim to Invert: 5.5' Slack: 0" Sump: 0" Step Position:                                                                                                                                                                                                                                                                                                                                               |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                         | Elev    | Angle | Ext. (cw)                       | Pipe     | Pipe OD                                | Connector                                                                                                                                      | Hole                                   | Horz Size                                                                                                                                                                                                                                                                                                              | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                         | 546.35' | 0°    | 20"                             | 18" HDPE | 21.2"                                  | Hole 24                                                                                                                                        | 24"                                    | 24"                                                                                                                                                                                                                                                                                                                    | -3"                                                                                | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                         | 546.35' | 90°   | 23"                             | 12" HDPE | 14.5"                                  | Hole 18                                                                                                                                        | 18"                                    | 18"                                                                                                                                                                                                                                                                                                                    | -3"                                                                                | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                         | 546.35' | 180°  | 20"                             | 18" HDPE | 21.2"                                  | Hole 24                                                                                                                                        | 24"                                    | 24"                                                                                                                                                                                                                                                                                                                    | -3"                                                                                | 0"     |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                         |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                         |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                         |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                         |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                         |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| <div><div>RIGHT-SIDE UP VIEW (int. dimensions)</div><div>UPSIDE-DOWN VIEW (int. dimensions)</div></div> <div><div>INSIDE WALL DIMENSIONS</div></div> |         |       |                                 |          |                                        |                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                 |         |       | Seam Up: Tongue<br>Seam Dn: n/a |          | Wall Thickness: 8"<br>Floor Height: 8" |                                                                                                                                                | Height (Int): 26"<br>Height (Ext): 34" |                                                                                                                                                                                                                                                                                                                        | Weight (Net): 3052 lb<br>Volume (Net): 0.78cu.yd                                   |        |  |

|                                                                                                                                                                                                                                                                                                                                                 |         |       |                               |                                      |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-------------------------------|--------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------|--|
| Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)<br>Job Location: Indiana, KY<br>Contractor: Louisville Paving and Construction                                                                                                                                                                                                          |         |       |                               | Plant: 100<br>6/12/2026 3:09:34 PM   |                                        | Tech: J. Horsley - A<br>PC: J. Jarvis                                                                |                                        |                                                                                                                                                                                                                                         |                                                  |                |  |
| Structure ID: 23                                                                                                                                                                                                                                                                                                                                |         |       |                               |                                      |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
| P1 BX2424-08BAVF                                                                                                                                                                                                                                                                                                                                |         |       |                               | BOX BASE 8inW, 8inF, Variable Ht F/n |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
| <p>P3) 19.5" - CASTING (cast in) - 2.75"<br/>P2) 24" x 24" - CB FLAT TOP 8"W (HOE KY-210) F/F - 8"<br/>P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 31"<br/>1) This Structure Includes a Cast-in Item - HOE KY-210 Frame (Supplied By Others)<br/>1) 24" x 24" - Conseal CS-102 1.00"<br/>2) Hole - 20"</p>                           |         |       |                               |                                      |                                        | <p>0 lb<br/>943 lb<br/>3316 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>-----<br/>Structure Total: 4259 lb</p> |                                        | <p>Structure Notes:<br/>** KYTC STATE PROJECT **<br/>1. PER KYTC DBI TYPE 14 / ASTM C-913 SPECS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br/>4. HOE KY-210 FRAME &amp; GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID</p> |                                                  |                |  |
| Rim: 562.1'                                                                                                                                                                                                                                                                                                                                     |         |       |                               | Rim to Invert: 3.25'                 |                                        | Slack: 0"                                                                                            |                                        | Sump: 0"                                                                                                                                                                                                                                                                                                                  |                                                  | Step Position: |  |
| Position                                                                                                                                                                                                                                                                                                                                        | Elev    | Angle | Ext. (cw)                     | Pipe                                 | Pipe OD                                | Connector                                                                                            | Hole                                   | Horz Size                                                                                                                                                                                                                                                                                                                 | Up ( )                                           | Offset         |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                        | 558.85' | 90°   | 20"                           | 15" HDPE                             | 17.6"                                  | Hole 20                                                                                              | 20"                                    | 20"                                                                                                                                                                                                                                                                                                                       | -2.5"                                            | 0"             |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                        | 558.85' | 270°  | 20"                           | 15" HDPE                             | 17.6"                                  | Hole 20                                                                                              | 20"                                    | 20"                                                                                                                                                                                                                                                                                                                       | -2.5"                                            | 0"             |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                        |         |       |                               |                                      |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                        |         |       |                               |                                      |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                        |         |       |                               |                                      |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                        |         |       |                               |                                      |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                        |         |       |                               |                                      |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                        |         |       |                               |                                      |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
| <div><div></div><div><div>RIGHT-SIDE UP VIEW (int. dimensions)</div><div>UPSIDE-DOWN VIEW (int. dimenions)</div></div><div><div>INSIDE WALL DIMENSIONS</div></div></div> |         |       |                               |                                      |                                        |                                                                                                      |                                        |                                                                                                                                                                                                                                                                                                                           |                                                  |                |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                |         |       | Seam Up: Flat<br>Seam Dn: n/a |                                      | Wall Thickness: 8"<br>Floor Height: 8" |                                                                                                      | Height (Int): 31"<br>Height (Ext): 39" |                                                                                                                                                                                                                                                                                                                           | Weight (Net): 3316 lb<br>Volume (Net): 0.85cu.yd |                |  |



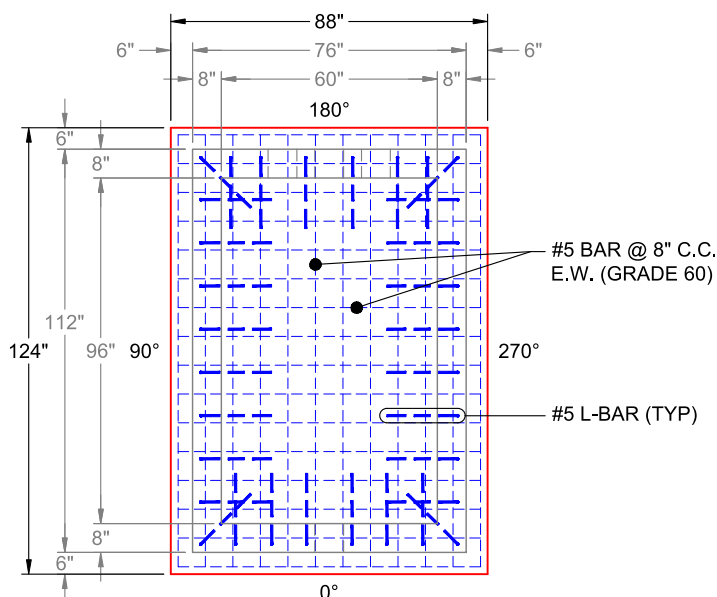
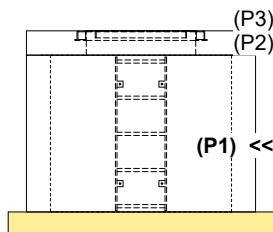
**BX BASE w/FLANGE 08W/08F/06EF F/n**

|        |                                                                               |          |
|--------|-------------------------------------------------------------------------------|----------|
| P3)    | 36" x 36" - HATCH (CAST FLUSH) - 0"                                           | 0 lb     |
| P2)    | 60" x 96" - BX FLAT LID 8"W w/36"x36" HATCH F/F - 8"                          | 4890 lb  |
| P1)    | 60" x 96" - BX BASE w/FLANGE 08W/08F/06EF F/n - 52"                           | 19198 lb |
| 1)     | This Structure Includes a Cast-in Item - 36" x 36" Hatch (Supplied by Others) | 0 lb     |
| 1)     | SECONDARY POUR                                                                | 0 lb     |
| 1)     | JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)                                    | 0 lb     |
| 1)     | JOINT WRAP - 0.065"x6"x50" CONSEAL CS212                                      | 0 lb     |
| 1)     | LADDER (Alum.) - HALLIDAY L1B 48in Wall Mount Ladder                          | 50 lb    |
| 1)     | LADDER (Alum.) - HALLIDAY L1EAA Ladder Extension Safety Post                  | 65 lb    |
| 1)     | SPECIAL Internal Coating - Carboline 300M                                     | 0 lb     |
| 1)     | 60" x 96" - Conseal CS-102 1.00" (Double)                                     | 0 lb     |
| 4)     | Hole - 8                                                                      | 0 lb     |
| 200.68 | SqFt) Carboline Bitumastic 300M [INT]                                         | 0 lb     |
|        | Structure Total:                                                              | 24203 lb |

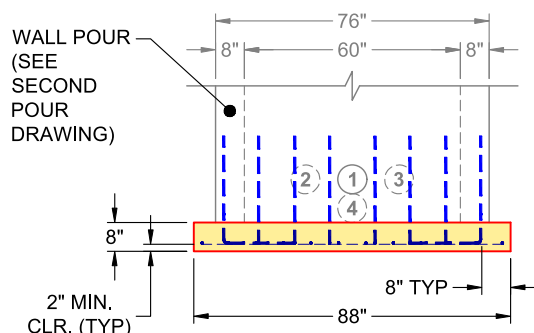
1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. SPECIAL INTERNAL COATING REQUIRED - CARBOLINE 300M
5. WET STICK 20" X 30" #5 L-BARS SPACED @ 12" C.C. (GRADE 60) OUT OF FLOOR FOR WALL POUR TIE-IN (SEE L-BAR DETAIL)

[illegible]

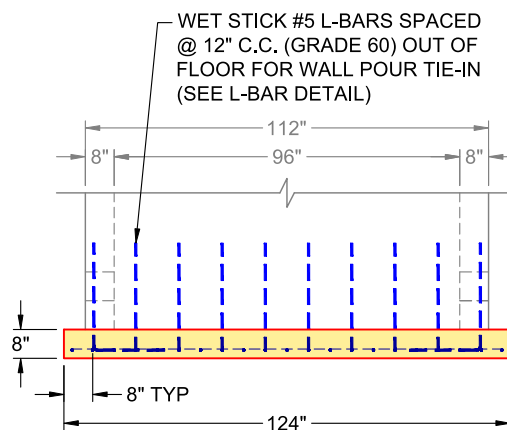
**SECOND POUR (WALLS):**  
**11,873 LBS**



**PLAN VIEW**  
**(RIGHT SIDE UP)**



**FRONT VIEW**  
**(RIGHT SIDE UP)**



**SIDE VIEW**  
**(RIGHT SIDE UP)**

|                                          |               |                    |                   |                        |
|------------------------------------------|---------------|--------------------|-------------------|------------------------|
| Coating (Int): Carboline Bitumastic 300M | Seam Up: Flat | Wall Thickness: 8" | Height (Int): 52" | Weight (Net): 19198 lb |
| Coating (Ext):                           | Seam Dn: n/a  | Floor Height: 8"   | Height (Ext): 60" | Volume (Net): 4.9cu.yd |

Job Name: 26-1038 - Perryville & Junction City WW Improvements

Job Location: Danville, KY

Contractor: Connhurst, LLC

Plant: 100

5/6/2026 4:05:52 PM

Tech: Jared - A

PC: E. Bradley



Structure ID: 61038 (6)

P1 BX6096-08BAVF-EB

BX BASE w/FLANGE 08W/08F/06EF F/n

P3) 36" x 36" - HATCH (CAST FLUSH) - 0"

P2) 60" x 96" - BX FLAT LID 8"W w/36"x36" HATCH F/F - 8"

P1) 60" x 96" - BX BASE w/FLANGE 08W/08F/06EF F/n - 52"

1) This Structure Includes a Cast-in Item - 36" x 36" Hatch (Supplied by Others)

1) SECONDARY POUR

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) LADDER (Alum.) - HALLIDAY L1B 48in Wall Mount Ladder

1) LADDER (Alum.) - HALLIDAY L1EAA Ladder Extension Safety Post

1) SPECIAL Internal Coating - Carboline 300M

1) 60" x 96" - Conseal CS-102 1.00" (Double)

4) Hole - 8

200.68 SqFt) Carboline Bitumastic 300M [INT]

0 lb

4890 lb

19198 lb

0 lb

0 lb

0 lb

0 lb

50 lb

65 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 24203 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 5,000 PSI AT 28 DAYS

3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. FLOOR GROUTING TO DRAIN PIPE BY OTHERS

5. HALLIDAY L1B 4' WALL MOUNT LADDER & L1EAA SAFETY POST SUPPLIED BY ICAST

6. SPECIAL INTERNAL COATING REQUIRED - CARBOLINE 300M

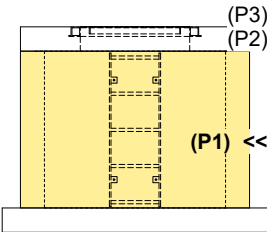
7. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 90° & 270° WALLS, 12" FROM TOP OF WALLS

|           |                      |           |          |                |
|-----------|----------------------|-----------|----------|----------------|
| Rim: 845' | Rim to Invert: 4.83' | Slack: 0" | Sump: 2" | Step Position: |
|-----------|----------------------|-----------|----------|----------------|

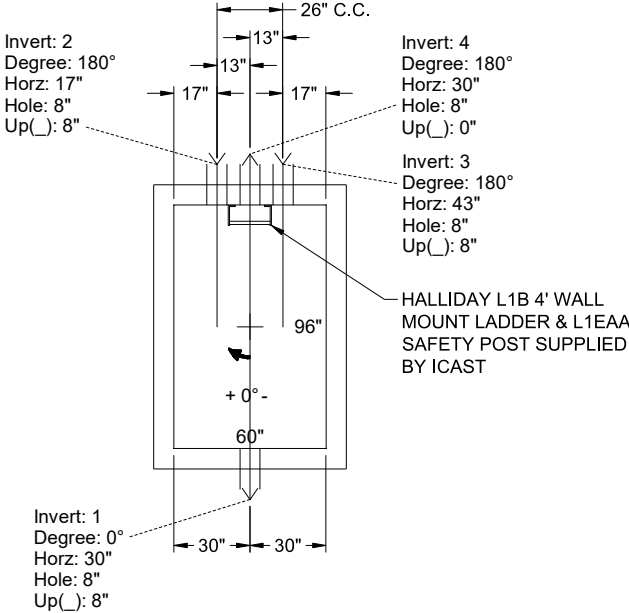
| Position | Elev    | Angle | Ext. (cw) | Pipe  | Pipe OD | Connector | Hole | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|-------|---------|-----------|------|-----------|--------|--------|
| Invert 1 | 840.83' | 0°    | 38"       | 4" DI | 4.75"   | Hole 8    | 8"   | 8"        | 8"     | 0"     |
| Invert 2 | 840.83' | 180°  | 25"       | 4" DI | 4.75"   | Hole 8    | 8"   | 8"        | 8"     | -13"   |
| Invert 3 | 840.83' | 180°  | 51"       | 4" DI | 4.75"   | Hole 8    | 8"   | 8"        | 8"     | 13"    |
| Invert 4 | 840.17' | 180°  | 38"       | 4" DI | 4.75"   | Hole 8    | 8"   | 8"        | 0"     | 0"     |
| Invert 5 |         |       |           |       |         |           |      |           |        |        |

FIRST POUR (FLOOR):  
7,325 LBS

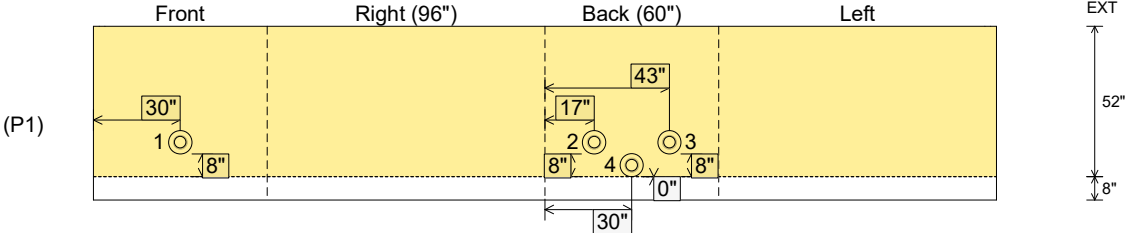
SECOND POUR (WALLS):  
11,873 LBS



RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Carboline Bitumastic 300M

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 52"

Height (Ext): 60"

Weight (Net): 19198 lb

Volume (Net): 4.9cu.yd

**Job Number:**

26-1038

**Job Name:**

Perryville & Junction City WW  
Improvements

**Structure:**

61038 (6)

**Note:**

This Structure Is To Receive An  
Internal Coating of Carboline 300M  
(Supplied By iCast)

Job Name: 26-3001 - Gunnison Way Grease Traps  
Job Location: Bowling Green, KY 42103  
Contractor: Bowling Green Winsupply

Plant: Beaver Dam, KY

Tech: K. Cardwell

7/9/2026 9:49:48 AM

PC: T. Lewis



## Structure ID: GT 1

**P2 BX60120-06LD08**

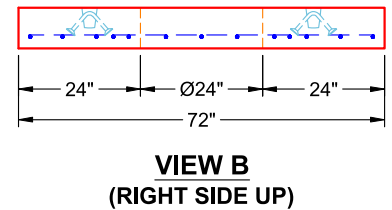
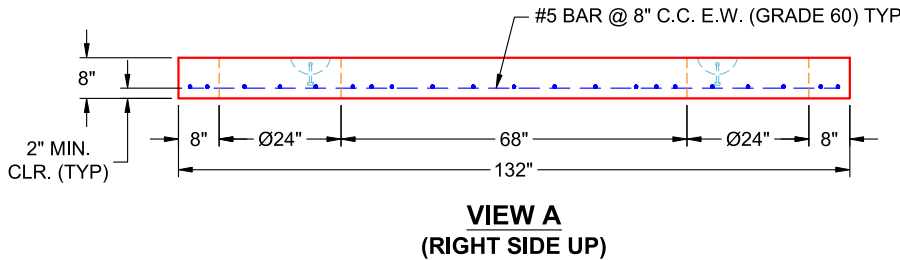
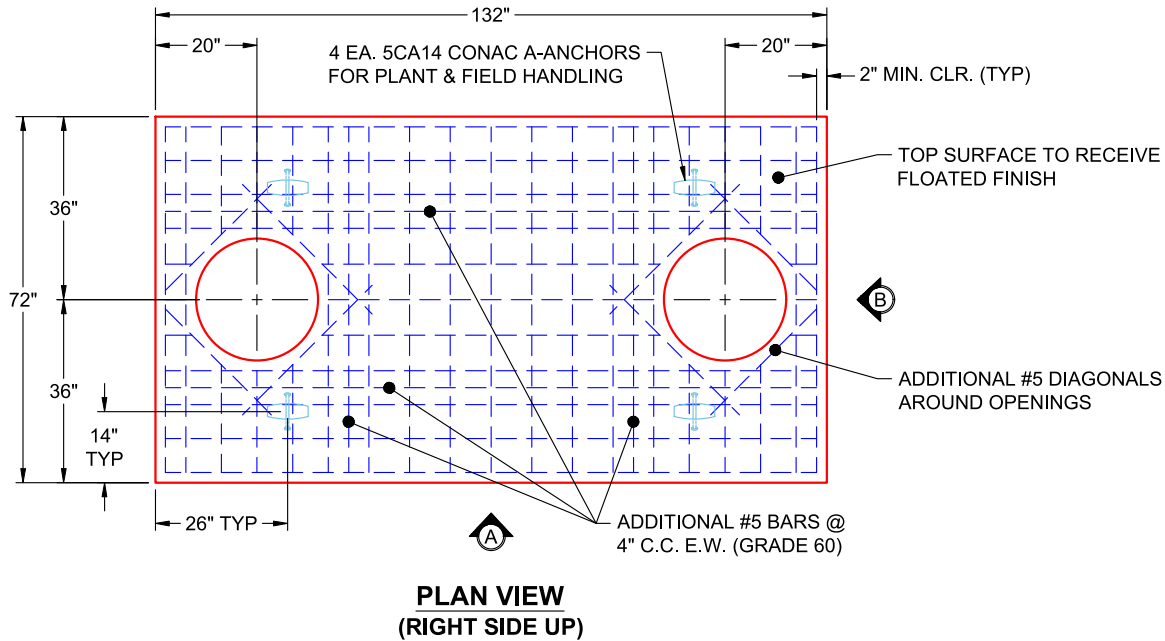
**CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F**

P3) 24" - CASTING HEIGHT - 7"  
P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"  
P1) 60" x 120" - BOX BASE 6inW, 6inF F/n - 54"  
1) SECONDARY POUR - Baffle Wall  
1) 60" x 120" - Conseal CS-102 1.00" (Double)  
1) 24" - Conseal CS-102 1.00" (Double)  
2) PSX - 8QRS-S NYLO

0 lb  
5775 lb  
16155 lb  
975 lb  
0 lb  
0 lb  
13 lb  
-----  
Structure Total: 22918 lb

### Structure Notes:

1. PER ASTM C-890-13 & ASTM C-913 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. 7" CASTINGS SUPPLIED BY OTHERS
5. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Flat

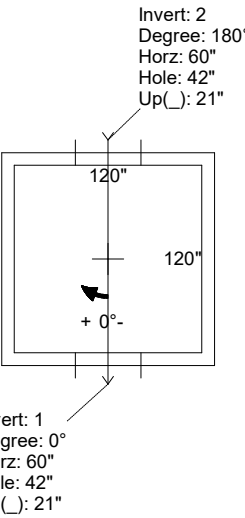
Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 5775 lb  
Volume (Net): 1.48cu.yd

|                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|
| Job Name: 25-4444 - Downtown WWTP Wet Weather Screening                                                                                                                                                                                                                                                                                                                                                                           |         |       |           |        | Plant: 100                                                                                                                                                  |                     | Tech: Jared - F                                                                                                                                                                                                |           |  |        |
| Job Location: Jeffersonville, IN                                                                                                                                                                                                                                                                                                                                                                                                  |         |       |           |        | 7/7/2026 10:38:02 AM                                                                                                                                        |                     | PC: T. Lewis                                                                                                                                                                                                   |           |                                                                                    |        |
| Contractor: Ottenweller Contracting, LLC.                                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
| Structure ID: 54444 (2)                                                                                                                                                                                                                                                                                                                                                                                                           |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
| P1 BX120120-08W10FEBAVF BX BASE w/FLANGE 08W/10F/09EF T/n                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
| <p>P4) 72" x 84" - HATCH (CAST FLUSH) - 3"</p> <p>P3) 120" x 120" - BX FLAT LID 8inW w/72"x84" HATCH F/F - 8"</p> <p>P2) 120" x 120" - BOX RISER 8inW, Variable Ht F/G - 69"</p> <p>P1) 120" x 120" - BX BASE w/FLANGE 08W/10F/09EF T/n - 82"</p> <p>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212</p> <p>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)</p> <p>1) Conseal CS-102 1.00" (Double)</p> <p>2) Kor-N-Seal2 - S206-42</p> |         |       |           |        | <p>100 lb</p> <p>8356 lb</p> <p>23716 lb</p> <p>46224 lb</p> <p>0 lb</p> <p>0 lb</p> <p>0 lb</p> <p>13 lb</p> <p>-----</p> <p>Structure Total: 78409 lb</p> |                     | <p>Structure Notes:</p> <p>1. PER ASTM C913 SPECIFICATIONS.</p> <p>2. CONCRETE = 5,000 PSI AT 28 DAYS.</p> <p>3. 72" x 84" HATCH SUPPLIED BY OTHERS.</p> <p>REINFORCING PER ATTACHED DRAWINGS &amp; CAL'S.</p> |           |                                                                                    |        |
| Rim: 460' Rim to Invert: 11.25' Slack: 0" Sump: 24" Step Position:                                                                                                                                                                                                                                                                                                                                                                |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                          | Elev    | Angle | Ext. (cw) | Pipe   | Pipe OD                                                                                                                                                     | Connector           | Hole                                                                                                                                                                                                           | Horz Size | Up ( )                                                                             | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                          | 448.75' | 0°    | 68"       | 36" DI | 38.5"                                                                                                                                                       | Kor-N-Seal2 S206-42 | 42"                                                                                                                                                                                                            | 42"       | 21"                                                                                | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                          | 448.75' | 180°  | 68"       | 36" DI | 38.5"                                                                                                                                                       | Kor-N-Seal2 S206-42 | 42"                                                                                                                                                                                                            | 42"       | 21"                                                                                | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                             |                     |                                                                                                                                                                                                                |           |                                                                                    |        |

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

**WEIGHTS**

**FIRST POUR - 19,900 LBS**

**SECOND POUR - 26,324 LBS**

**TOTAL - 46,224 LBS**

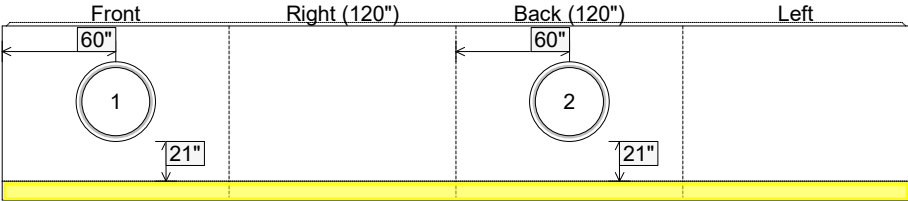
1ST POUR (FLOOR)

STUB #5 L BARS OUT TOP

FLOOR, SPA AT 12" C/C FOR

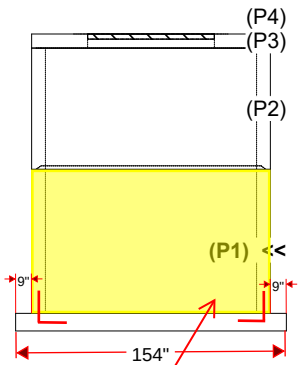
CONNECTING WALLS

INSIDE WALL DIMENSIONS



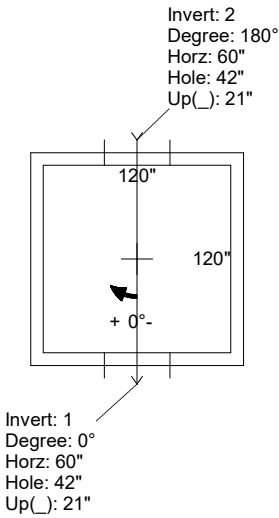
|                |                 |                    |                   |                          |
|----------------|-----------------|--------------------|-------------------|--------------------------|
| Coating (Int): | Seam Up: Tongue | Wall Thickness: 8" | Height (Int): 82" | Weight (Net): 46224 lb   |
| Coating (Ext): | Seam Dn: n/a    | Floor Height: 10"  | Height (Ext): 92" | Volume (Net): 11.81cu.yd |

|                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------|--------|----------------|--|
| Job Name: 25-4444 - Downtown WWTP Wet Weather Screening                                                                                                                                                                                                                                                                                                                                                                           |         |       |           |        | Plant: 100                                                                                                                                                                  |                     | Tech: Jared - F                                                                                                                                                                                                |      |  |        |                |  |
| Job Location: Jeffersonville, IN                                                                                                                                                                                                                                                                                                                                                                                                  |         |       |           |        | 7/7/2026 10:38:02 AM                                                                                                                                                        |                     | PC: T. Lewis                                                                                                                                                                                                   |      |                                                                                    |        |                |  |
| Contractor: Ottenweller Contracting, LLC.                                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |
| Structure ID: 54444 (2)                                                                                                                                                                                                                                                                                                                                                                                                           |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |
| P1 BX120120-08W10FEBAVF BX BASE w/FLANGE 08W/10F/09EF T/n                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |
| <p>P4) 72" x 84" - HATCH (CAST FLUSH) - 3"</p> <p>P3) 120" x 120" - BX FLAT LID 8inW w/72"x84" HATCH F/F - 8"</p> <p>P2) 120" x 120" - BOX RISER 8inW, Variable Ht F/G - 69"</p> <p>P1) 120" x 120" - BX BASE w/FLANGE 08W/10F/09EF T/n - 82"</p> <p>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212</p> <p>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)</p> <p>1) Conseal CS-102 1.00" (Double)</p> <p>2) Kor-N-Seal2 - S206-42</p> |         |       |           |        | <p>100 lb</p> <p>8356 lb</p> <p>83716 lb</p> <p>23716 lb</p> <p>46224 lb</p> <p>0 lb</p> <p>0 lb</p> <p>0 lb</p> <p>13 lb</p> <p>-----</p> <p>Structure Total: 78409 lb</p> |                     | <p>Structure Notes:</p> <p>1. PER ASTM C913 SPECIFICATIONS.</p> <p>2. CONCRETE = 5,000 PSI AT 28 DAYS.</p> <p>3. 72" x 84" HATCH SUPPLIED BY OTHERS.</p> <p>REINFORCING PER ATTACHED DRAWINGS &amp; CAL'S.</p> |      |                                                                                    |        |                |  |
| Rim: 460'                                                                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |        | Rim to Invert: 11.25'                                                                                                                                                       |                     | Slack: 0"                                                                                                                                                                                                      |      | Sump: 24"                                                                          |        | Step Position: |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                          | Elev    | Angle | Ext. (cw) | Pipe   | Pipe OD                                                                                                                                                                     | Connector           |                                                                                                                                                                                                                | Hole | Horz Size                                                                          | Up ( ) | Offset         |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                          | 448.75' | 0°    | 68"       | 36" DI | 38.5"                                                                                                                                                                       | Kor-N-Seal2 S206-42 |                                                                                                                                                                                                                | 42"  | 42"                                                                                | 21"    | 0"             |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                          | 448.75' | 180°  | 68"       | 36" DI | 38.5"                                                                                                                                                                       | Kor-N-Seal2 S206-42 |                                                                                                                                                                                                                | 42"  | 42"                                                                                | 21"    | 0"             |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                          |         |       |           |        |                                                                                                                                                                             |                     |                                                                                                                                                                                                                |      |                                                                                    |        |                |  |



2ND POUR WALLS

RIGHT-SIDE UP VIEW (int. dimensions)



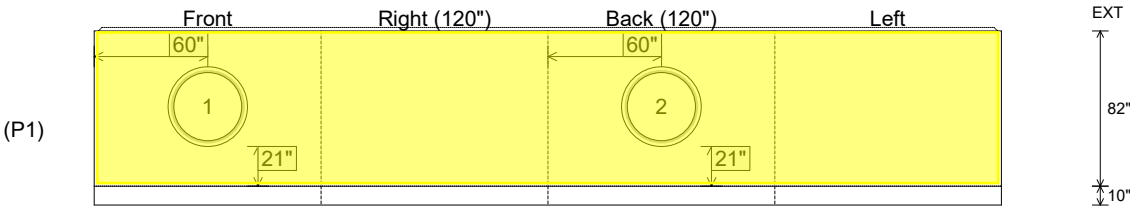
WEIGHTS

FIRST POUR - 19,900 LBS

SECOND POUR - 26,324 LBS

TOTAL - 46,224 LBS

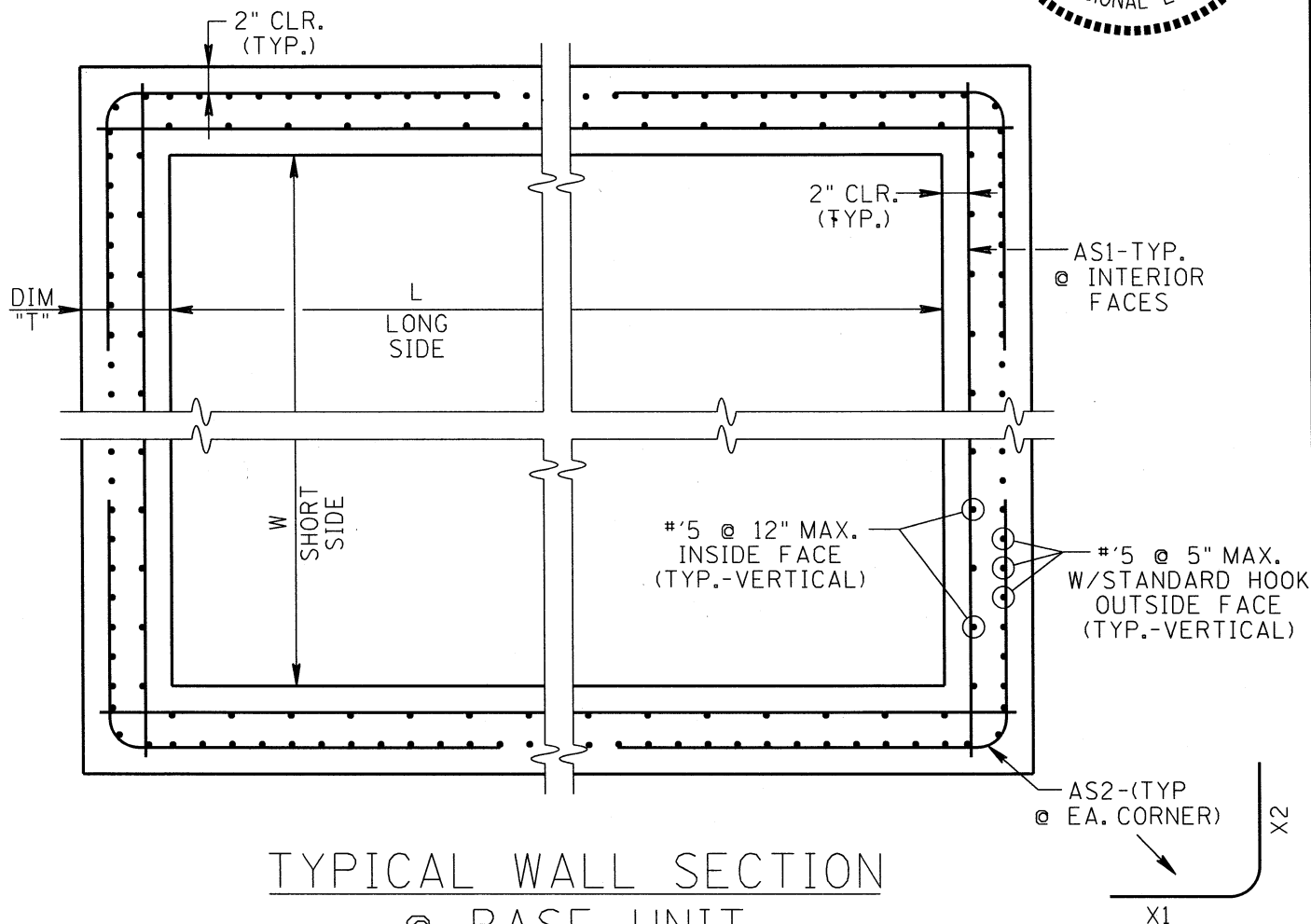
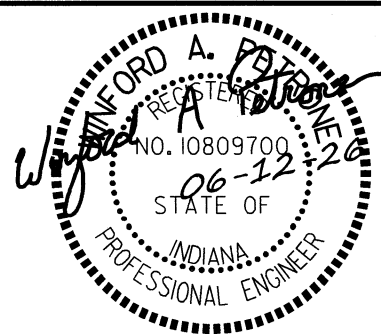
INSIDE WALL DIMENSIONS



|                |                 |                    |                   |                          |
|----------------|-----------------|--------------------|-------------------|--------------------------|
| Coating (Int): | Seam Up: Tongue | Wall Thickness: 8" | Height (Int): 82" | Weight (Net): 46224 lb   |
| Coating (Ext): | Seam Dn: n/a    | Floor Height: 10"  | Height (Ext): 92" | Volume (Net): 11.81cu.yd |

NOTE: SEE "PRECAST DESIGN SUBMITTALS, CONCRETE COMPONENTS" SHEET FOR SUMMARY OF BUILDING AND DESIGN CODES, MATERIALS REQUIREMENTS, AND DESIGN LOADS.

NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.



TYPICAL WALL SECTION  
@ BASE UNIT  
SHOWING REINFORCEMENT

DIMENSIONS AND REINFORCING STEEL

| L      | W      | T  | AS1    | AS2    | X1     | X1     |
|--------|--------|----|--------|--------|--------|--------|
| 10'-0" | 10'-0" | 8" | 5'S@5" | 5'S@5" | 4'-11" | 4'-11" |

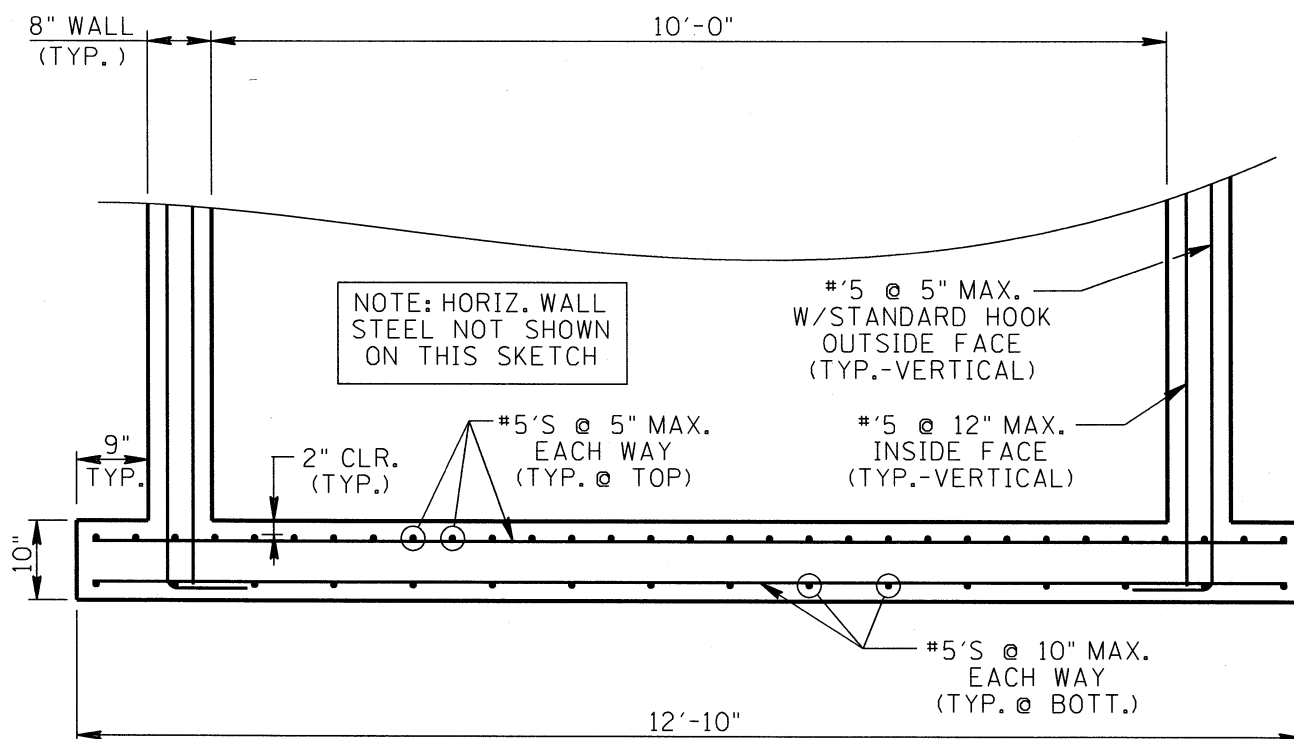
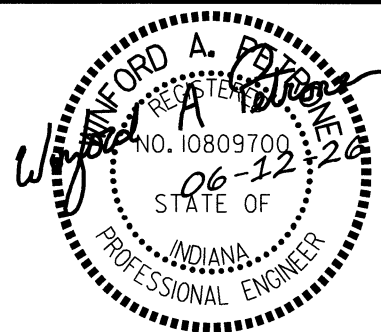
NOTE: CUT VERTICAL AND HORIZONTAL BARS TO 2" CLEAR OF OPENINGS AND PROVIDE ADDITIONAL OPENING REINFORCEMENT AS DENOTED ON OPENINGS REINFORCEMENT SHEET.

SK-3

**120"X120" PLUG VALVE VAULT: BASE UNIT WALL SECTION**  
DOWNTOWN WWTP WET WEATHER SCREENING, CITY OF JEFFERSON, INDIANA

NOTE: SEE "PRECAST DESIGN SUBMITTALS, CONCRETE COMPONENTS" SHEET FOR SUMMARY OF BUILDING AND DESIGN CODES, MATERIALS REQUIREMENTS, AND DESIGN LOADS.

NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.

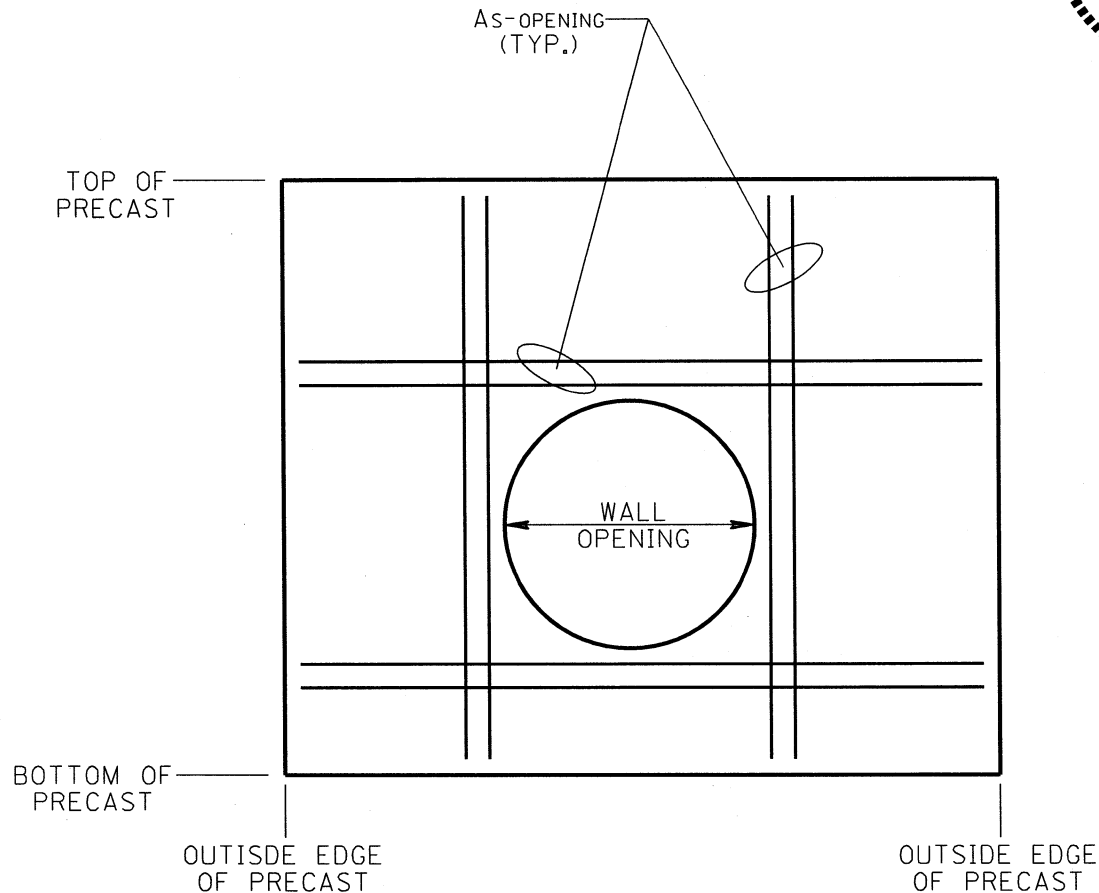
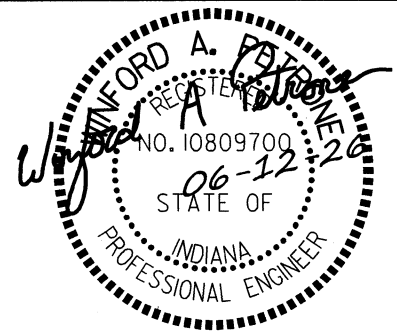


SK-4

120"X120" PLUG VALVE VAULT: BOTTOM SLAB  
DOWNTOWN WWTP WET WEATHER SCREENING, CITY OF JEFFERSON, INDIANA



ADDITIONAL REINFORCEMENT REQUIRED ON EACH FACE  
ALONG EACH SIDE OF OPENING:  
2- #5'S HORIZONTAL TOP AND BOTTOM OF OPENING  
AND 2-#6'S VERTICAL EACH SIDE OF OPENING

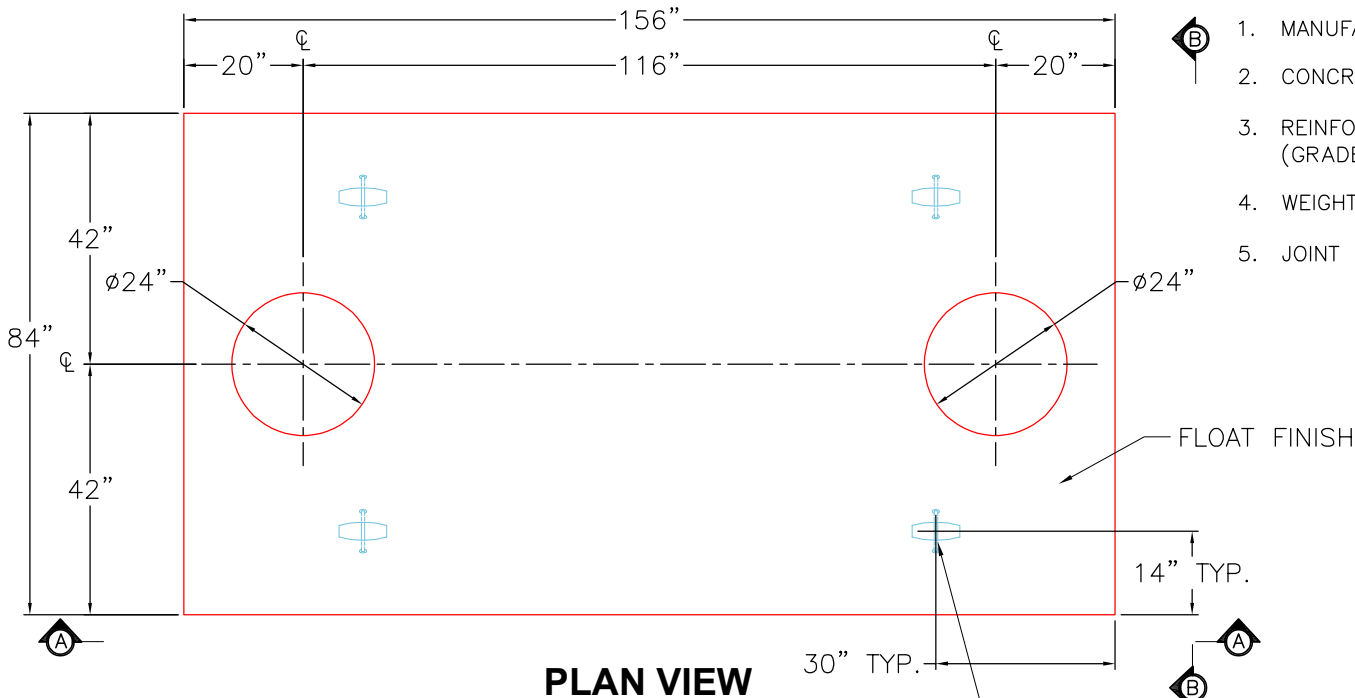


## ADDITIONAL REINFORCEMENT @ WALL OPENINGS

NOTE: ADDITIONAL OPENING BARS ARE SUPPLEMENTAL TO SCHEDULED WALL REINFORCEMENT FOR EACH WALL OPENING. ADDITIONAL BARS MAY BE TERMINATED AT A DISTANCE OF 1'-6" BEYOND THE LIMITS OF OPENING OR AT 2" FROM THE INTERSECTING EDGE OF CONCRETE WHEN THE 1'-6" DIMENSION INTERSECTS A WALL.

NOTE: CUT OFF SCHEDULED REINFORCEMENT AT 2" CLEAR OF OPENING AND PROVIDE ADDITIONAL BARS AS SHOWN. BAR SIZES MAY BE UPSIZED TO PROVIDE THE SAME AREA OF STEEL WHEN THE NUMBER OF BARS CANNOT BE ACCOMMODATED.

SK-5

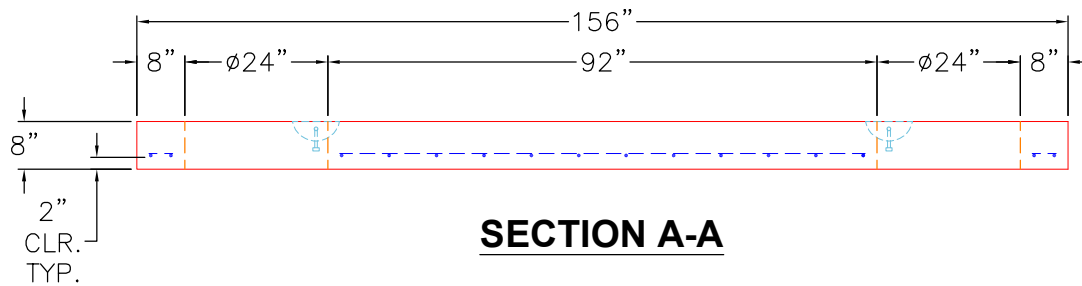


# GENERAL NOTES:

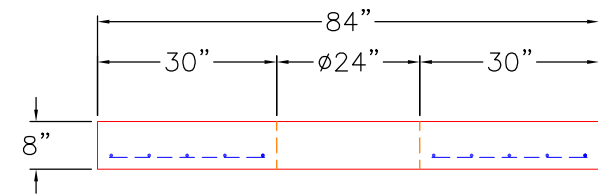
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: TOP SLAB #5 BAR @ 8" E.W. O.C. (GRADE 60).
4. WEIGHT: TOP SLAB = 8,195 LBS
5. JOINT SEALANT TO BE CONSEAL CS-102, 1".

## PLAN VIEW

4 EA. CONAC 5CA14 ANCHORS  
CAST IN SECTION AS SHOWN  
FOR PLANT & FIELD HANDLING.



## SECTION A-A



## SECTION B-B

### PRODUCTION WORK ORDER

PRODUCT I.D.: BX072144-08LD06S

DESCRIPTION: 84" X 156" X 8" THICK TOP SLAB



#### QUALITY CONTROL CHECKLIST

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

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: CORE & MAIN LP

PLANT: BEAVER DAM, KY.

PROJECT: 2707 MEMORIAL BLVD GREASE TRAPS

WEIGHT: 8,195 LBS.

STRUCTURE: QL1 GT2000 (2)

TOP SECTION JOINT: N/A

ORDER NO: 26-2901

BASE SECTION JOINT: N/A

PC: T. LEWIS

DRAWING: S. FELLETER

QC CHECK INITIALS:

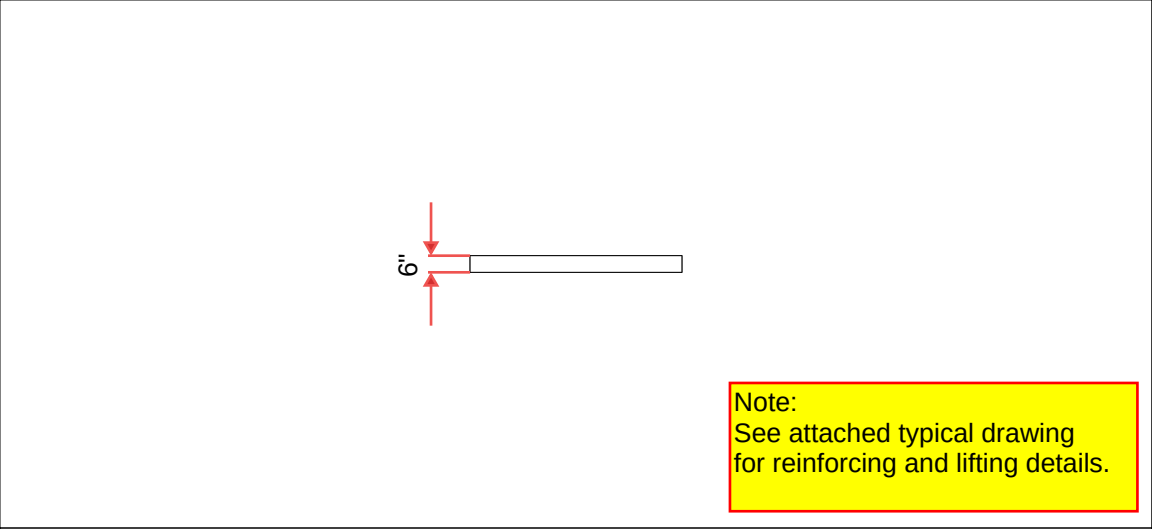
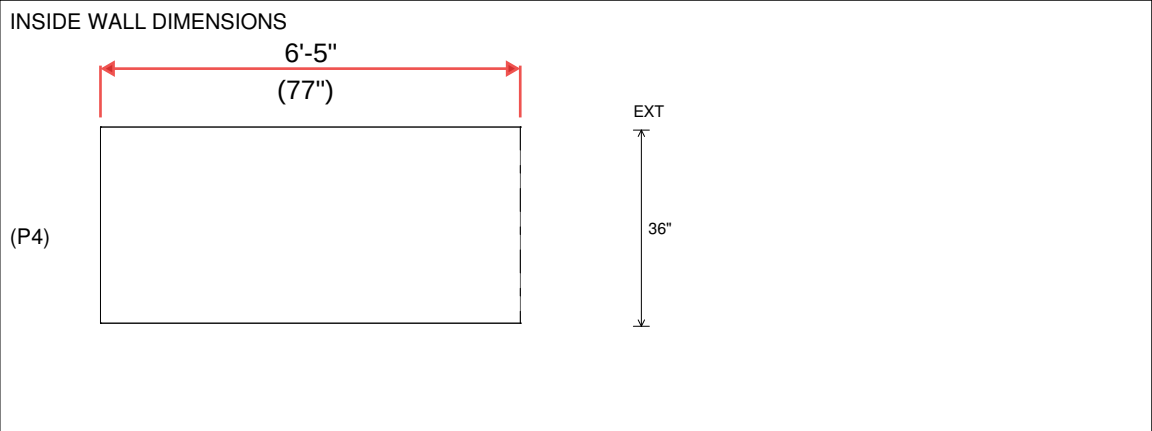
DATE: 07/07/26

SCALE: NTS

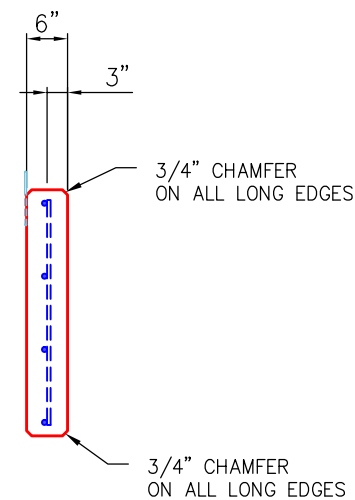
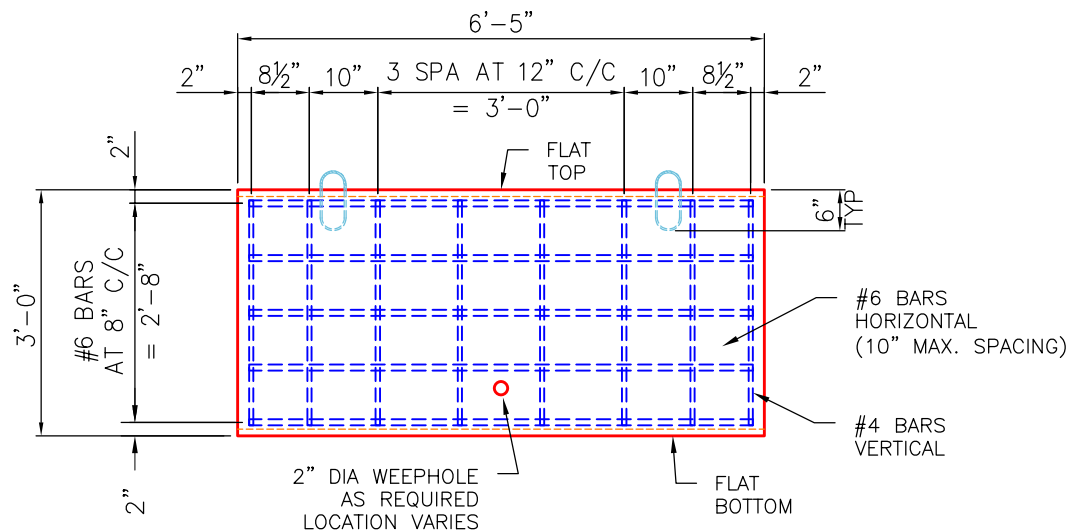
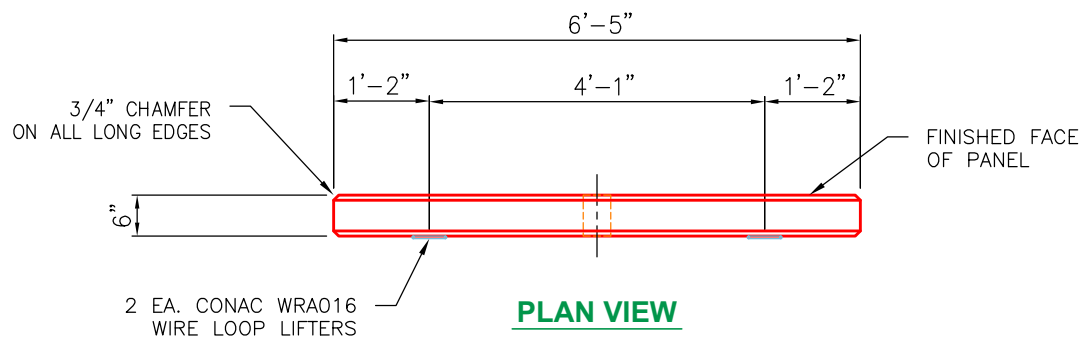
PG. 1 of 1



|                                                                                                                                                                                                                                                                                                                                                                  |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------|-----------|--------------------------------|-------------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--|
| Job Name: 25-2284C Parks at Cane Ridge Ph.2B<br>Job Location: Antioch, TN<br>Contractor: Josh King Excavating                                                                                                                                                                                                                                                    |      |                      |           |                                | Plant: Beaver Dam<br>6/22/2026 8:23:30 AM |                                        | Tech: S. Felletter<br>PC: A. Chambers |                                        |                                                                                                              |                                                  |  |
| <b>Structure ID: D4.1</b>                                                                                                                                                                                                                                                                                                                                        |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| <b>P1</b>                                                                                                                                                                                                                                                                                                                                                        |      | <b>BX2828-06R-VH</b> |           |                                | <b>BOX RISER 6inW, Variable Ht F/F</b>    |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| P1) 28" x 28" - BOX RISER 6inW, Variable Ht F/F - 28"                                                                                                                                                                                                                                                                                                            |      |                      |           |                                |                                           |                                        | 1917 lb<br>-----<br>1917 lb           |                                        | <b>Structure Notes:</b> .<br>1. PER ASTM C913 SPECIFICATIONS.<br>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br>.<br>REINFORCING PER ASTM A615 (GRADE 60).<br>- WALLS (As .31) #5 BARS AT 12" C.C.E.W. |                                                  |  |
| Rim: 2.333'      Rim to Invert: 0'      Slack: 0"      Sump: 0"      Step Position:                                                                                                                                                                                                                                                                              |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| Position                                                                                                                                                                                                                                                                                                                                                         | Elev | Angle                | Ext. (cw) | Pipe                           | Pipe OD                                   | Connector                              | Hole                                  | Horz Size                              | Up ( )                                                                                                                                                                                         | Offset                                           |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                         |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                         |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                         |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                         |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                         |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                         |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                         |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                         |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| <div>RIGHT-SIDE UP VIEW (int. dimensions)</div> <div><div><div><div><div></div><div>28"</div><div></div><div>28"</div><div>+ 0°-</div></div></div></div><div>(P1) &lt;&lt;</div></div> <div><div>INSIDE WALL DIMENSIONS</div><div><div>Front</div><div>Right (28")</div><div>Back (28")</div><div>Left</div></div><div>(P1)</div><div><div>28"</div></div></div> |      |                      |           |                                |                                           |                                        |                                       |                                        |                                                                                                                                                                                                |                                                  |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                 |      |                      |           | Seam Up: Flat<br>Seam Dn: Flat |                                           | Wall Thickness: 6"<br>Floor Height: 0" |                                       | Height (Int): 28"<br>Height (Ext): 28" |                                                                                                                                                                                                | Weight (Net): 1917 lb<br>Volume (Net): 0.49cu.yd |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------------------------------|--------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 26-1333 - Mitchell Hill Road Project<br>Job Location: Louisville, KY 40118<br>Contractor: Hall Contracting of Kentucky Inc                                                                                                                                                                                                                                                                                                 |      |       |                                |                                | Plant: 100<br>6/16/2026 1:23:25 PM     |                                                                                                                   | Tech: J. Horsley<br>PC: J. Jarvis      |                                                                                                                                                                                                                                                                                                                                                     |  |        |  |
| <b>Structure ID: WALL P9-P10</b>                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| <b>P4 CUSTOM WALL</b>                                                                                                                                                                                                                                                                                                                                                                                                                |      |       |                                | <b>WALL PANEL 6" THICK F/F</b> |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| <div>P5) 77" x 6" - WALL PANEL 6" THICK F/F - 1.00' HT x 6.42' LONG<br/>P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>Hole - 2</div> |      |       |                                |                                |                                        | <div>466 lb<br/>1398 lb<br/>1398 lb<br/>1398 lb<br/>1398 lb<br/>0 lb<br/>-----<br/>Structure Total: 6057 lb</div> |                                        | <div>Structure Notes: .<br/>1. PER ASTM C913 SPECIFICATIONS.<br/>2. CONCRETER = 4,000 PSI AT 28" DAYS.<br/>3. SMOOTH FORM FINISH ON THE FRONT SURFACE.<br/>4. 3/4" CHAMFER ON ALL LONG EDGES.<br/><br/>REINFORCING PER ASTM A615 (GRADE 60).<br/>-VERTICAL BARS = #4 BARS AT 12" C/C<br/>-HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)</div> |                                                                                    |        |  |
| Rim: 698' Rim to Invert: 9' Slack: 0" Sump: 48" Step Position:                                                                                                                                                                                                                                                                                                                                                                       |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                             | Elev | Angle | Ext. (cw)                      | Pipe                           | Pipe OD                                | Connector                                                                                                         | Hole                                   | Horz Size                                                                                                                                                                                                                                                                                                                                           | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| <div>RIGHT-SIDE UP VIEW (int. dimensions)</div> <div><div><div>(P5)</div><div>(P4) &lt;&lt;</div><div>(P3)</div><div>(P2)</div><div>(P1)</div></div><div></div></div> <div><div>INSIDE WALL DIMENSIONS</div><div></div></div>                                |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                                     |      |       | Seam Up: Flat<br>Seam Dn: Flat |                                | Wall Thickness: 0"<br>Floor Height: 0" |                                                                                                                   | Height (Int): 36"<br>Height (Ext): 36" |                                                                                                                                                                                                                                                                                                                                                     | Weight (Net): 1398 lb<br>Volume (Net): 0.36cu.yd                                   |        |  |





**GENERAL NOTES:**

1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

| REVISION INFORMATION                                                                           |                      |
|------------------------------------------------------------------------------------------------|----------------------|
| REV.  DATE: | NO REVISIONS TO DATE |
|                                                                                                |                      |
|                                                                                                |                      |
|                                                                                                |                      |
|                                                                                                |                      |
|                                                                                                |                      |



SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.

CUSTOMER: HALL CONTRACTING OF KY INC.

PROJECT: MITCHELL HILL ROAD PROJECT

STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 36" HT)

SALES ORDER NO: 26-1333

CHECK: B. SMITH

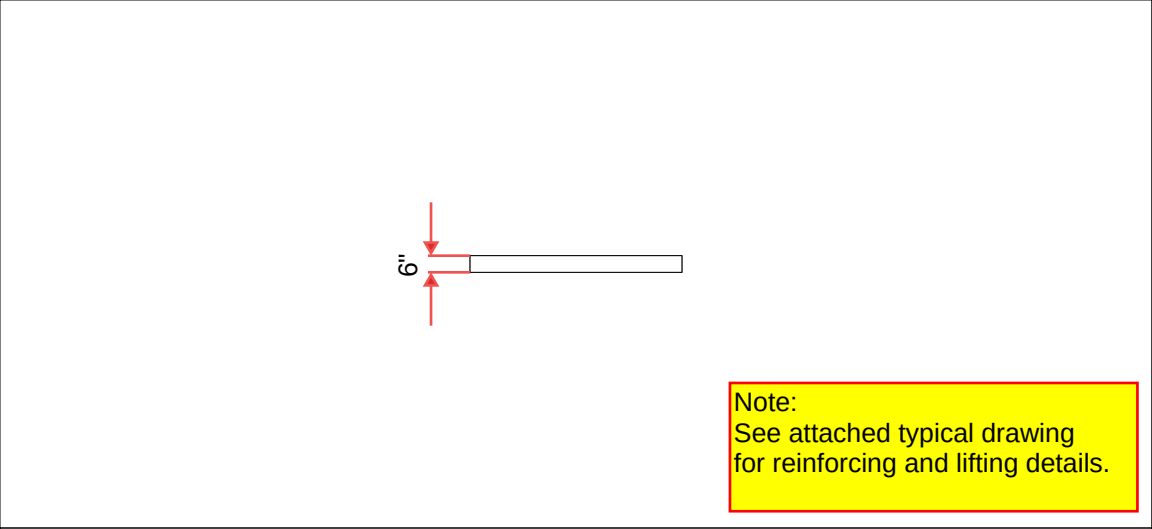
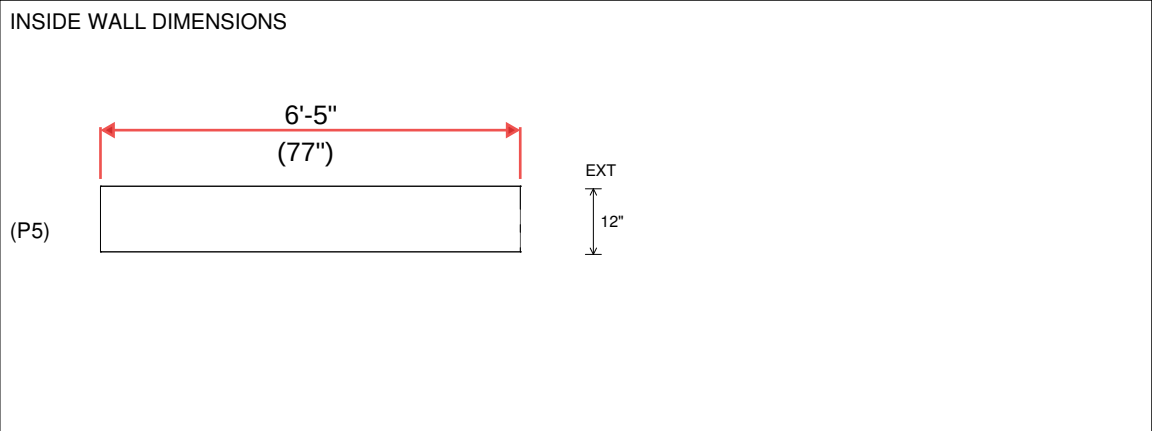
DRAWN BY: J. HORSLEY

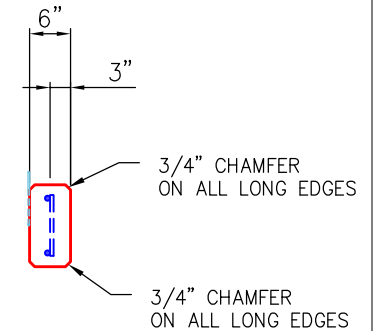
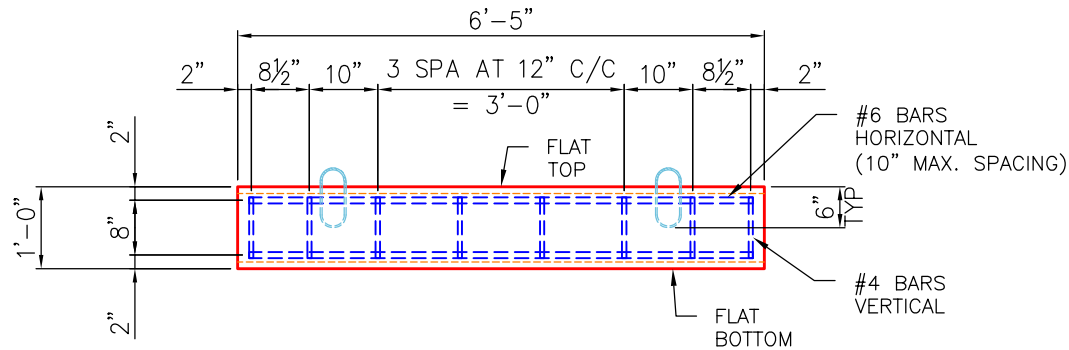
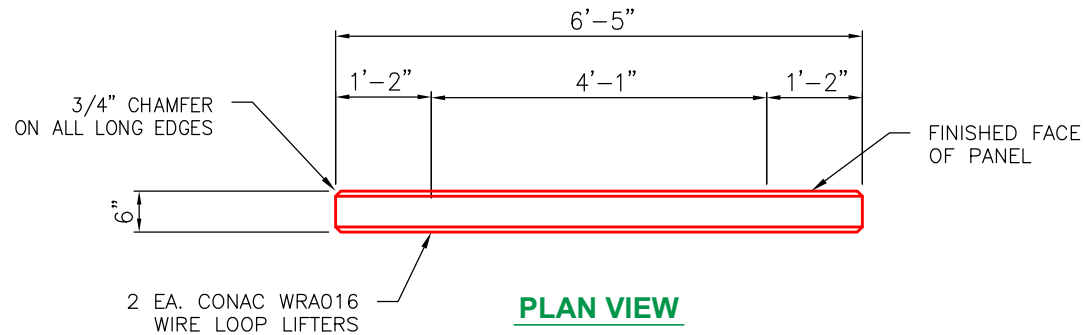
DATE: 04/20/26

SCALE: NTS

PG. 1 of 1



|                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------------------------------|--------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 26-1333 - Mitchell Hill Road Project<br>Job Location: Louisville, KY 40118<br>Contractor: Hall Contracting of Kentucky Inc                                                                                                                                                                                                                                                                                                 |      |       |                                |                                | Plant: 100<br>6/16/2026 1:23:25 PM     |                                                                                                                   | Tech: J. Horsley<br>PC: J. Jarvis      |                                                                                                                                                                                                                                                                                                                                                     |  |        |  |
| <b>Structure ID: WALL P9-P10</b>                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| <b>P5 CUSTOM WALL</b>                                                                                                                                                                                                                                                                                                                                                                                                                |      |       |                                | <b>WALL PANEL 6" THICK F/F</b> |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| <div>P5) 77" x 6" - WALL PANEL 6" THICK F/F - 1.00' HT x 6.42' LONG<br/>P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG<br/>Hole - 2</div> |      |       |                                |                                |                                        | <div>466 lb<br/>1398 lb<br/>1398 lb<br/>1398 lb<br/>1398 lb<br/>0 lb<br/>-----<br/>Structure Total: 6057 lb</div> |                                        | <div>Structure Notes: .<br/>1. PER ASTM C913 SPECIFICATIONS.<br/>2. CONCRETER = 4,000 PSI AT 28" DAYS.<br/>3. SMOOTH FORM FINISH ON THE FRONT SURFACE.<br/>4. 3/4" CHAMFER ON ALL LONG EDGES.<br/><br/>REINFORCING PER ASTM A615 (GRADE 60).<br/>-VERTICAL BARS = #4 BARS AT 12" C/C<br/>-HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)</div> |                                                                                    |        |  |
| Rim: 698' Rim to Invert: 9' Slack: 0" Sump: 48" Step Position:                                                                                                                                                                                                                                                                                                                                                                       |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                             | Elev | Angle | Ext. (cw)                      | Pipe                           | Pipe OD                                | Connector                                                                                                         | Hole                                   | Horz Size                                                                                                                                                                                                                                                                                                                                           | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| <div><div><div><div>(P5) &lt;&lt;</div><div>(P4)</div><div>(P3)</div><div>(P2)</div><div>(P1)</div></div><div><div>RIGHT-SIDE UP VIEW (int. dimensions)</div><div></div></div><div><div>INSIDE WALL DIMENSIONS</div><div></div></div></div></div>            |      |       |                                |                                |                                        |                                                                                                                   |                                        |                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                                     |      |       | Seam Up: Flat<br>Seam Dn: Flat |                                | Wall Thickness: 0"<br>Floor Height: 0" |                                                                                                                   | Height (Int): 12"<br>Height (Ext): 12" |                                                                                                                                                                                                                                                                                                                                                     | Weight (Net): 466 lb<br>Volume (Net): 0.12cu.yd                                    |        |  |



**GENERAL NOTES:**

1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 472 LBS
6. 1 REQUIRED.

| REVISION INFORMATION                                                                     |       |  |  | SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK. |                       |
|------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|--|------------------------------------------------------|-----------------------|
| REV.  | DATE: | NO REVISIONS TO DATE                                                                  |  | CUSTOMER: HALL CONTRACTING OF KY INC.                |                       |
|                                                                                          |       |                                                                                       |  | PROJECT: MITCHELL HILL ROAD PROJECT                  |                       |
|                                                                                          |       |                                                                                       |  | STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 12" HT)   |                       |
|                                                                                          |       |                                                                                       |  | SALES ORDER NO: 26-1333                              |                       |
|                                                                                          |       |                                                                                       |  | CHECK: B. SMITH                                      | DRAWN BY: J. HORSLEY  |
|                                                                                          |       |                                                                                       |  | DATE: 04/20/26                                       | SCALE: NTS PG. 1 of 1 |



Weight (Net): 27410 lb  
Volume (Net): 7cu.yd