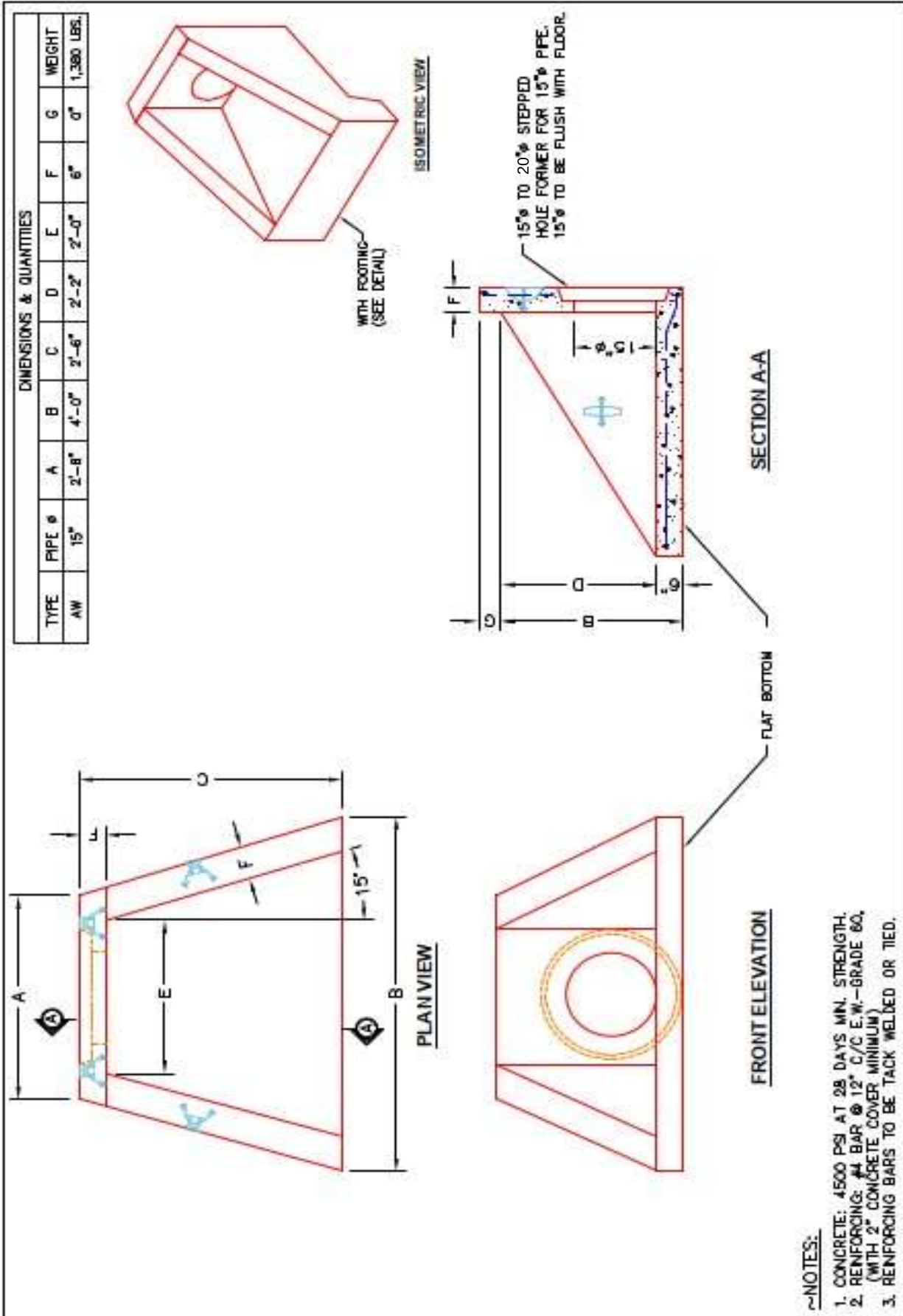




Structure ID: 3 HW

P1 HWA15F

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



Job Name: 26-2217 Kroger COB  
Job Location: Bowling Green, KY  
Contractor: Stewart Richey

Plant: Beaver Dam

7/21/2026 8:12:41 AM

Tech: J. Coppage

PC: T. Lewis



Structure ID: QL5 MMV

P1 BX072090-06W08F-BAVF

BOX BASE 6inW, 8inF, Variable Ht

- P3) 24" x 24" - HATCH (CAST FLUSH) - 3"  
P2) 72" x 90" - BX FLAT LID 6"W w/24"x24" HATCH - 8"  
P1) 72" x 90" - BOX BASE 6inW, 8inF, Variable Ht - 96"  
1) This Structure Includes a Cast-in Item - 24" x 24" Hatch  
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212  
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)  
1) HATCH (Alum.) - HALLIDAY H1W 24"x24"  
1) SECONDARY POUR - WALLS  
2) PSX - 12M NYLO  
7) MH Step ML-10-TDS-NCR - 10"

FIRST POUR DRAWING

Structure Total: 28174 lb

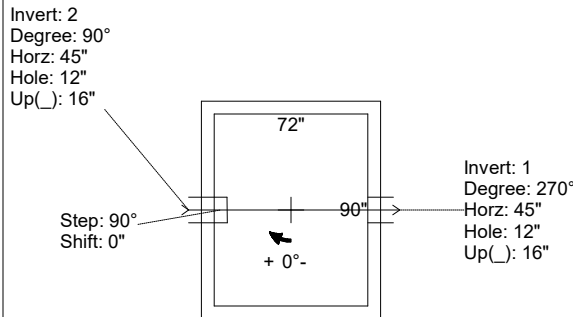
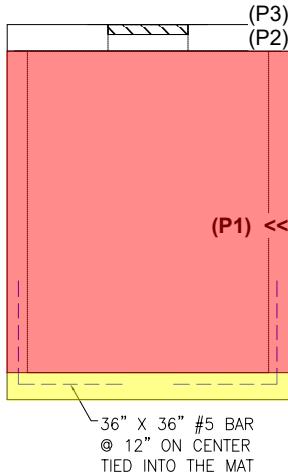
Structure Notes:

1. HALLIDAY H1W 24" X 24" HATCH BY ICAST.
  2. HATCH TO BE CAST INTO THE TOP SLAB.
  3. PER ASTM C913 SPECIFICATIONS.
  4. CONCRETE = 4,000 PSI AT 28 DAYS.
  5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.  
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.  
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

Rim: 547.24' Rim to Invert: 7.24' Slack: 0.88" Sump: 18" Step Position: 90

| Position | Elev | Angle | Ext. (cw) | Pipe  | Pipe OD | Connector    | Hole | Horz Size | Up ( ) | Offset |
|----------|------|-------|-----------|-------|---------|--------------|------|-----------|--------|--------|
| Invert 1 | 540' | 270°  | 51"       | 8" DI | 9"      | PSX 12M NYLO | 12"  | 12"       | 16"    | 0"     |
| Invert 2 | 540' | 90°   | 51"       | 8" DI | 9"      | PSX 12M NYLO | 12"  | 12"       | 16"    | 0"     |
| Invert 3 |      |       |           |       |         |              |      |           |        |        |
| Invert 4 |      |       |           |       |         |              |      |           |        |        |
| Invert 5 |      |       |           |       |         |              |      |           |        |        |
| Invert 6 |      |       |           |       |         |              |      |           |        |        |
| Invert 7 |      |       |           |       |         |              |      |           |        |        |
| Invert 8 |      |       |           |       |         |              |      |           |        |        |

RIGHT-SIDE UP VIEW (int. dimensions)



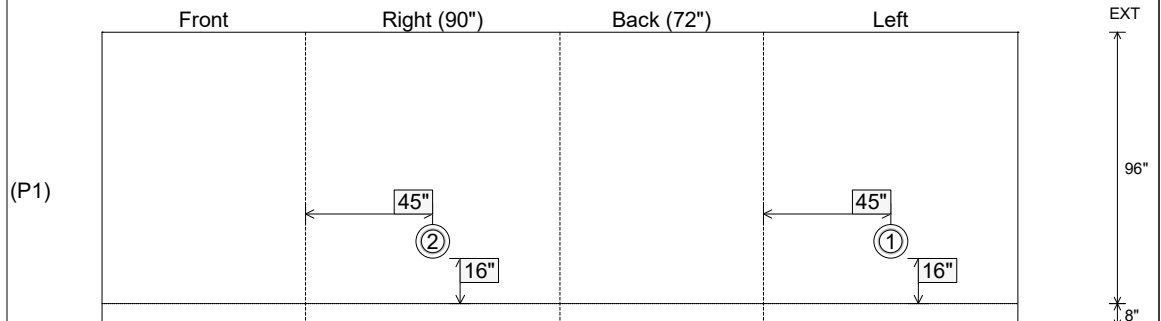
WEIGHTS:

FIRST POUR - 5,752 LBS.

SECOND POUR - 16,706 LBS.

TOTAL - 22,458 LBS.

INSIDE WALL DIMENSIONS



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: n/a

Wall Thickness: 6"  
Floor Height: 8"

Height (Int): 96"  
Height (Ext): 104"

Weight (Net): 22458 lb  
Volume (Net): 5.74cu.yd

Job Name: 26-2217 Kroger COB  
Job Location: Bowling Green, KY  
Contractor: Stewart Richey

Plant: Beaver Dam

Tech: J. Coppage

7/21/2026 8:12:41 AM

PC: T. Lewis



Structure ID: QL5 MMV

P1 BX072090-06W08F-BAVF

BOX BASE 6inW, 8inF, Variable Ht

- P3) 24" x 24" - HATCH (CAST FLUSH) - 3"  
P2) 72" x 90" - BX FLAT LID 6"W w/24"x24" HATCH - 8"  
P1) 72" x 90" - BOX BASE 6inW, 8inF, Variable Ht - 96"  
1) This Structure Includes a Cast-in Item - 24" x 24" Hatch  
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212  
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)  
1) HATCH (Alum.) - HALLIDAY H1W 24"x24"  
1) SECONDARY POUR - WALLS  
2) PSX - 12M NYLO  
7) MH Step ML-10-TDS-NCR - 10"

SECOND POUR DRAWING

Structure Total: 28174 lb

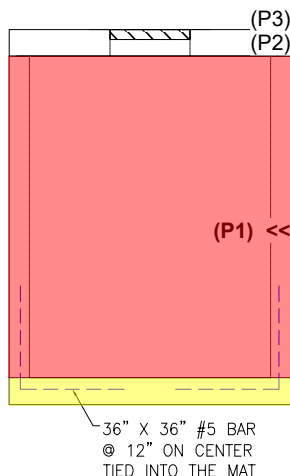
Structure Notes:

1. HALLIDAY H1W 24" X 24" HATCH BY ICAST.
  2. HATCH TO BE CAST INTO THE TOP SLAB.
  3. PER ASTM C913 SPECIFICATIONS.
  4. CONCRETE = 4,000 PSI AT 28 DAYS.
  5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.  
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.  
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

Rim: 547.24' Rim to Invert: 7.24' Slack: 0.88" Sump: 18" Step Position: 90

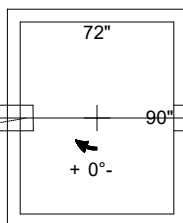
| Position | Elev | Angle | Ext. (cw) | Pipe  | Pipe OD | Connector    | Hole | Horz Size | Up ( ) | Offset |
|----------|------|-------|-----------|-------|---------|--------------|------|-----------|--------|--------|
| Invert 1 | 540' | 270°  | 51"       | 8" DI | 9"      | PSX 12M NYLO | 12"  | 12"       | 16"    | 0"     |
| Invert 2 | 540' | 90°   | 51"       | 8" DI | 9"      | PSX 12M NYLO | 12"  | 12"       | 16"    | 0"     |
| Invert 3 |      |       |           |       |         |              |      |           |        |        |
| Invert 4 |      |       |           |       |         |              |      |           |        |        |
| Invert 5 |      |       |           |       |         |              |      |           |        |        |
| Invert 6 |      |       |           |       |         |              |      |           |        |        |
| Invert 7 |      |       |           |       |         |              |      |           |        |        |
| Invert 8 |      |       |           |       |         |              |      |           |        |        |

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2  
Degree: 90°  
Horz: 45"  
Hole: 12"  
Up( ): 16"

Step: 90°  
Shift: 0"



Invert: 1  
Degree: 270°  
Horz: 45"  
Hole: 12"  
Up( ): 16"

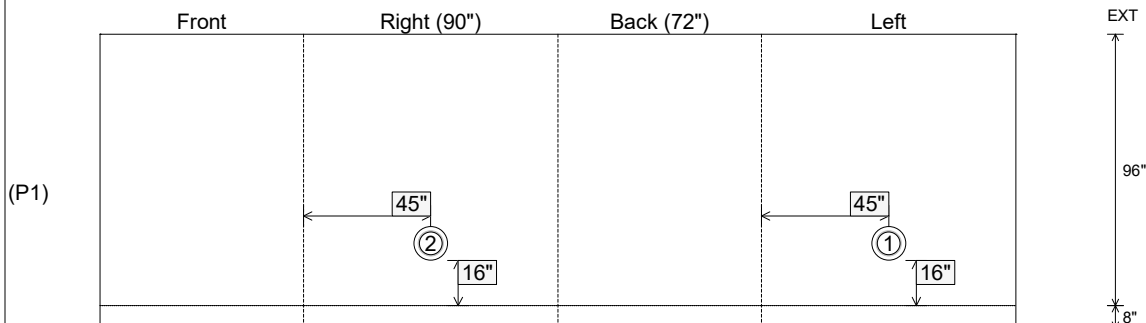
WEIGHTS:

FIRST POUR - 5,752 LBS.

SECOND POUR - 16,706 LBS.

TOTAL - 22,458 LBS.

INSIDE WALL DIMENSIONS



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: n/a

Wall Thickness: 6"  
Floor Height: 8"

Height (Int): 96"  
Height (Ext): 104"

Weight (Net): 22458 lb  
Volume (Net): 5.74cu.yd

Job Name: 26-2217 Kroger COB  
Job Location: Bowling Green, KY  
Contractor: Stewart Richey

Plant: Beaver Dam

7/21/2026 8:13:23 AM

Tech: J. Coppage

PC: T. Lewis



## Structure ID: QL3

### P2 MH084RS90

### MH RISER

P4) 60" x 54" - HATCH (CAST FLUSH) - 3"

P3) 84" - MH FLAT TOP w/60"x54" Hatch - 17"

P2) 84" - MH RISER - 90"

P1) 84" - MH BASE w/FLANGE (12F/07EF) - 60"

1) JOINT WRAP - 12" WD x 084" MAC WRAP

1) HATCH (Alum.) - HALLIDAY H2W 60"x54"

1) This Structure Includes a Cast-in Item - 60" x 54" Hatch

1) SECONDARY POUR - EXT FLANGE

2) 84" - Conseal CS-231 1.00" (Double)

2) PSX - 12M NYLO

1) PSX - 12-08 NYLO

1) PSX - 8QRS-S NYLO

100 lb

5152 lb

17186 lb

21919 lb

0 lb

263 lb

0 lb

0 lb

0 lb

16 lb

8 lb

6 lb

Structure Total: 44651 lb

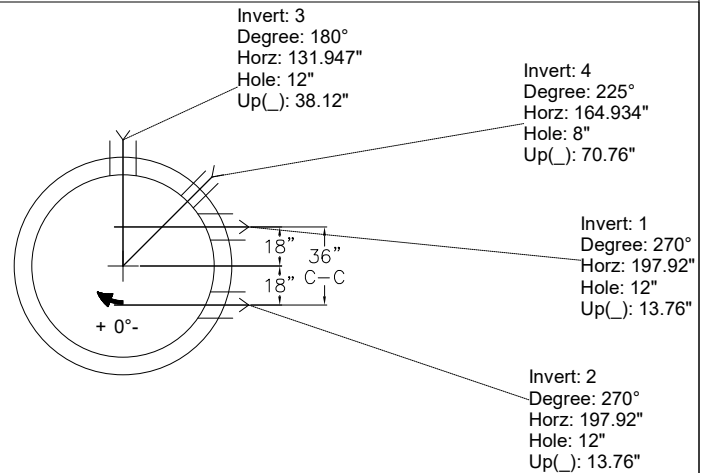
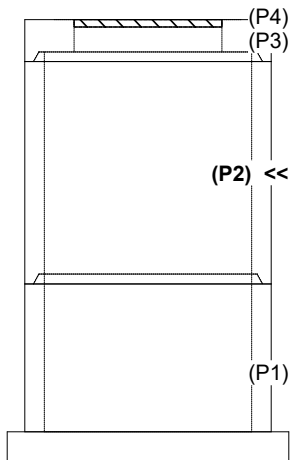
#### Structure Notes:

1. HALLIDAY H2W 60" X 54" HATCH BY ICAST.
2. HATCH TO BE CAST INTO THE TOP SLAB.
3. PER ASTM C478 SPECIFICATIONS.
4. CONCRETE = 4,500 PSI AT 28 DAYS.
5. NO STEPS
6. 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. DBL MAT.

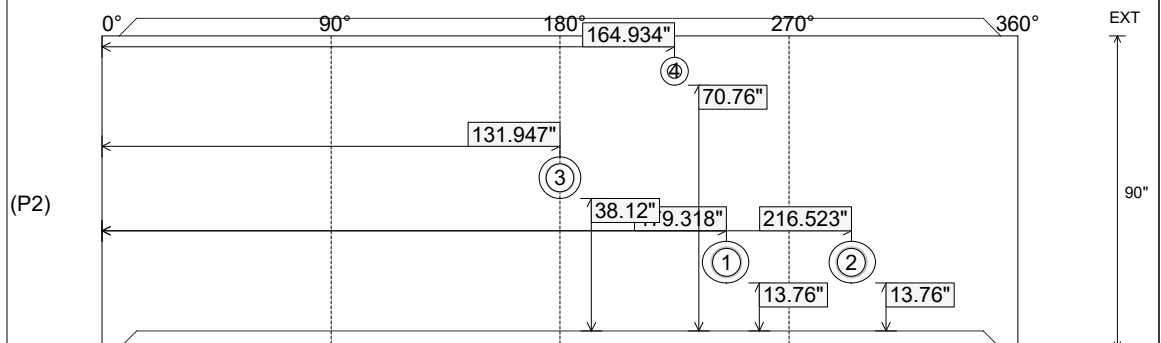
Rim: 547.24' Rim to Invert: 7.24' Slack: 0.64" Sump: 80.76" Step Position:

| Position | Elev    | Angle | Ext. (cw) | Pipe         | Pipe OD | Connector       | Hole | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|--------------|---------|-----------------|------|-----------|--------|--------|
| Invert 1 | 540'    | 270°  | 217.206"  | 8" DI        | 9"      | PSX 12M NYLO    | 12"  | 13.377"   | 13.76" | -18"   |
| Invert 2 | 540'    | 270°  | 254.033"  | 8" DI        | 9"      | PSX 12M NYLO    | 12"  | 13.377"   | 13.76" | 18"    |
| Invert 3 | 542.03' | 180°  | 157.08"   | 8" PVC SDR35 | 8.5"    | PSX 12-08 NYLO  | 12"  | 12.041"   | 38.12" | 0"     |
| Invert 4 | 544.75' | 225°  | 196.35"   | 4" PVC SDR35 | 4.25"   | PSX 8QRS-S NYLO | 8"   | 8.012"    | 70.76" | 0"     |
| Invert 5 |         |       |           |              |         |                 |      |           |        |        |
| Invert 6 |         |       |           |              |         |                 |      |           |        |        |
| Invert 7 |         |       |           |              |         |                 |      |           |        |        |
| Invert 8 |         |       |           |              |         |                 |      |           |        |        |

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



#### INSIDE WALL DIMENSIONS



Coating (Int):  
Coating (Ext):

Seam Up: Tongue  
Seam Dn: Groove

Wall Thickness: 8"  
Floor Height: 0"

Height (Int): 90"  
Height (Ext): 90"

Weight (Net): 17186 lb  
Volume (Net): 4.39cu.yd



Job Name: 25-1684P13 KYTC Jefferson Co. Call 200 (251007)  
Job Location: I-264 Louisville, Ky.  
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.

Tech: N. Richards

7/21/2026 12:34:11 PM

PC: J. Jarvis



Structure ID: 5125+00 RT DBI TYPE 1-MOD.

P1 BX3636-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P2) 36" x 36" - P.I.P. - BY OTHERS - 8"  
P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 28"  
1) 36" x 36" - Conseal CS-102 1.00"  
1) DOGHOUSE INVRTD - 30"x28"

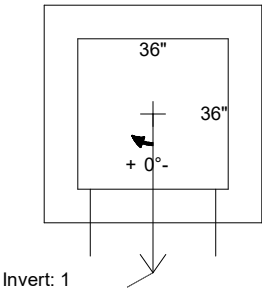
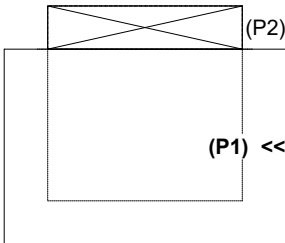
Structure Notes: .  
-KYTC STATE PROJECT 251007  
-REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)  
-FRAME & GRATES BY OTHERS.  
-KYTC CERTIFICATIONS REQUIRED.  
-#5 BAR EXTENDED OUT OF TOP OF BOX 20" AT 12" C/C.

Rim: 561.38' Rim to Invert: 3' Slack: 0" Sump: 0" Step Position:

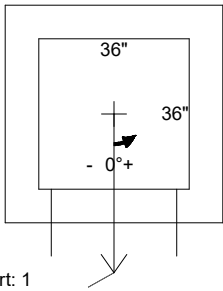
| Position | Elev    | Angle | Ext. (cw) | Pipe    | Pipe OD | Connector               | Hole      | Horz Size | Up ( _ ) | Offset |
|----------|---------|-------|-----------|---------|---------|-------------------------|-----------|-----------|----------|--------|
| Invert 1 | 558.38' | 0°    | 26"       | 24" CMP | 25"     | DOGHOUSE INVRTD 30"x28" | 30" x 28" | 30"       | -2"      | 0"     |
| Invert 2 |         |       |           |         |         |                         |           |           |          |        |
| Invert 3 |         |       |           |         |         |                         |           |           |          |        |
| Invert 4 |         |       |           |         |         |                         |           |           |          |        |
| Invert 5 |         |       |           |         |         |                         |           |           |          |        |
| Invert 6 |         |       |           |         |         |                         |           |           |          |        |
| Invert 7 |         |       |           |         |         |                         |           |           |          |        |
| Invert 8 |         |       |           |         |         |                         |           |           |          |        |

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



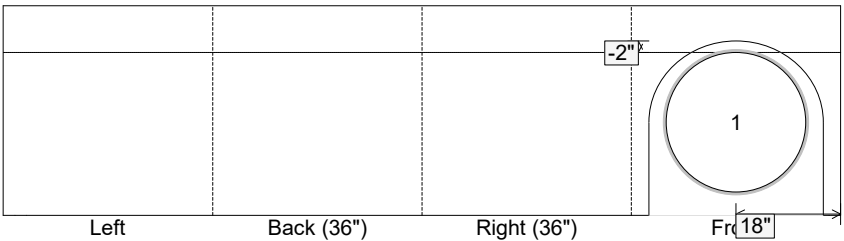
Invert: 1  
Degree: 0°  
Horz: 18"  
Hole: 30" x 28"  
Up( \_ ): -2"



Invert: 1  
Degree: 0°  
Horz: 18"  
Hole: 30" x 28"  
Up( \_ ): -2"

INSIDE WALL DIMENSIONS

(P1)



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: n/a

Wall Thickness: 8"  
Floor Height: 8"

Height (Int): 28"  
Height (Ext): 36"

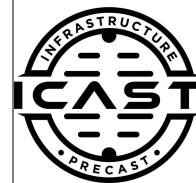
Weight (Net): 4580 lb  
Volume (Net): 1.17cu.yd

Plant: Beaver Dam

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7/21/2026 8:50:25 AM

|       |              |
|-------|--------------|
| Tech: | S. Felletter |
| PC:   | A. Chambers  |



**P17 GR28x28x6x6**

**GRADE RING 6"W F/F**

P23) 28" x 28" - GRADE RING 6"W F/F - 6"  
P22) 28" x 28" - GRADE RING 6"W F/F - 6"  
P21) 28" x 28" - GRADE RING 6"W F/F - 6"  
P20) 28" x 28" - GRADE RING 6"W F/F - 6"  
P19) 28" x 28" - GRADE RING 6"W F/F - 6"  
P18) 28" x 28" - GRADE RING 6"W F/F - 6"  
P17) 28" x 28" - GRADE RING 6"W F/F - 6"  
P16) 28" x 28" - GRADE RING 6"W F/F - 6"  
P15) 28" x 28" - GRADE RING 6"W F/F - 6"  
P14) 28" x 28" - GRADE RING 6"W F/F - 6"  
P13) 28" x 28" - GRADE RING 6"W F/F - 6"  
P12) 28" x 28" - GRADE RING 6"W F/F - 6"  
P11) 28" x 28" - GRADE RING 6"W F/F - 6"  
P10) 28" x 28" - GRADE RING 6"W F/F - 6"  
P9) 28" x 28" - GRADE RING 6"W F/F - 6"  
P8) 28" x 28" - GRADE RING 6"W F/F - 6"  
P7) 28" x 28" - GRADE RING 6"W F/F - 6"  
P6) 28" x 28" - GRADE RING 6"W F/F - 6"  
P5) 28" x 28" - GRADE RING 6"W F/F - 6"  
P4) 28" x 28" - GRADE RING 6"W F/F - 6"  
P3) 28" x 28" - GRADE RING 6"W F/F - 6"  
P2) 28" x 28" - GRADE RING 6"W F/F - 6"  
P1) 28" x 28" - GRADE RING 6"W F/F - 6"

[illegible]

1. PER ASTM C913 SPECIFICATIONS.  
2. CONCRETE = 4,000 PSI AT 28 DAYS.

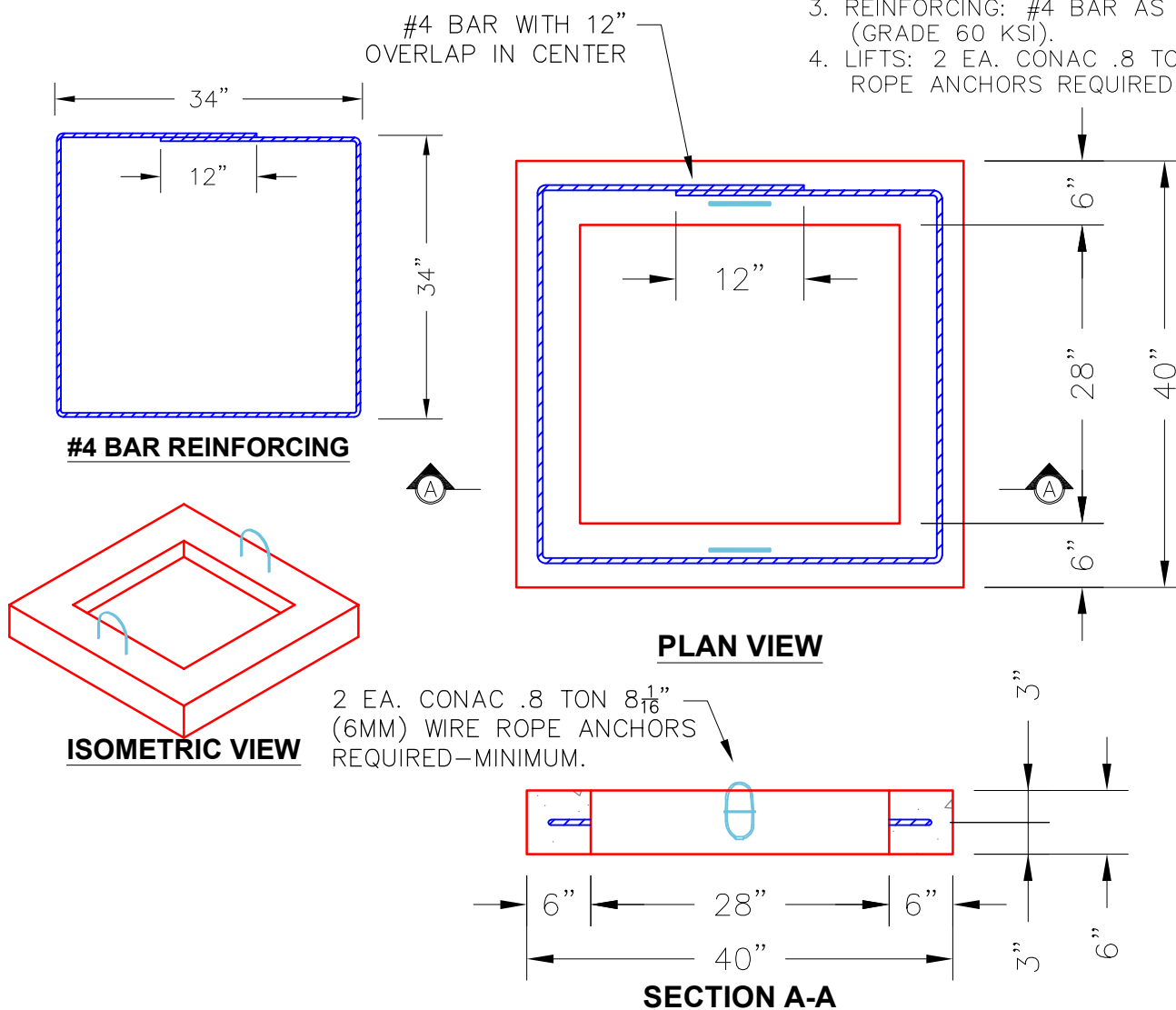
REINFORCING PER ASTM A615 (GRADE 60).  
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.

|     |           |                           |
|-----|-----------|---------------------------|
| P5) | 28" x 28" | - GRADE RING 6"W F/F - 6" |
| P4) | 28" x 28" | - GRADE RING 6"W F/F - 6" |
| P3) | 28" x 28" | - GRADE RING 6"W F/F - 6" |
| P2) | 28" x 28" | - GRADE RING 6"W F/F - 6" |
| P1) | 28" x 28" | - GRADE RING 6"W F/F - 6" |

411 lb  
411 lb  
411 lb  
411 lb  
411 lb

Structure Total: 9449 lb

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE = 4,000 PSI @ 28 DAYS.
3. REINFORCING: #4 BAR AS SHOWN (GRADE 60 KSI).
4. LIFTS: 2 EA. CONAC .8 TON WIRE ROPE ANCHORS REQUIRED.



Coating (Int):  
Coating (Ext):

|               |
|---------------|
| Seam Up: Flat |
| Seam Dn: Flat |

Wall Thickness: 6"

|                  |
|------------------|
| Height (Ext): 6" |
|------------------|

|                        |
|------------------------|
| Weight (Net): 411 lb   |
| Volume (Net): 0.1cu.yd |

Plant: Beaver Dam

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7/21/2026 8:50:25 AM

|       |              |
|-------|--------------|
| Tech: | S. Felletter |
| PC:   | A. Chambers  |

**GRADE RING 6"W F/F**

411 lb  
411 lb  
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411 lb  
411 lb  
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411 lb  
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411 lb  
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411 lb  
411 lb  
411 lb  
411 lb  
411 lb

**Structure Notes:**

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

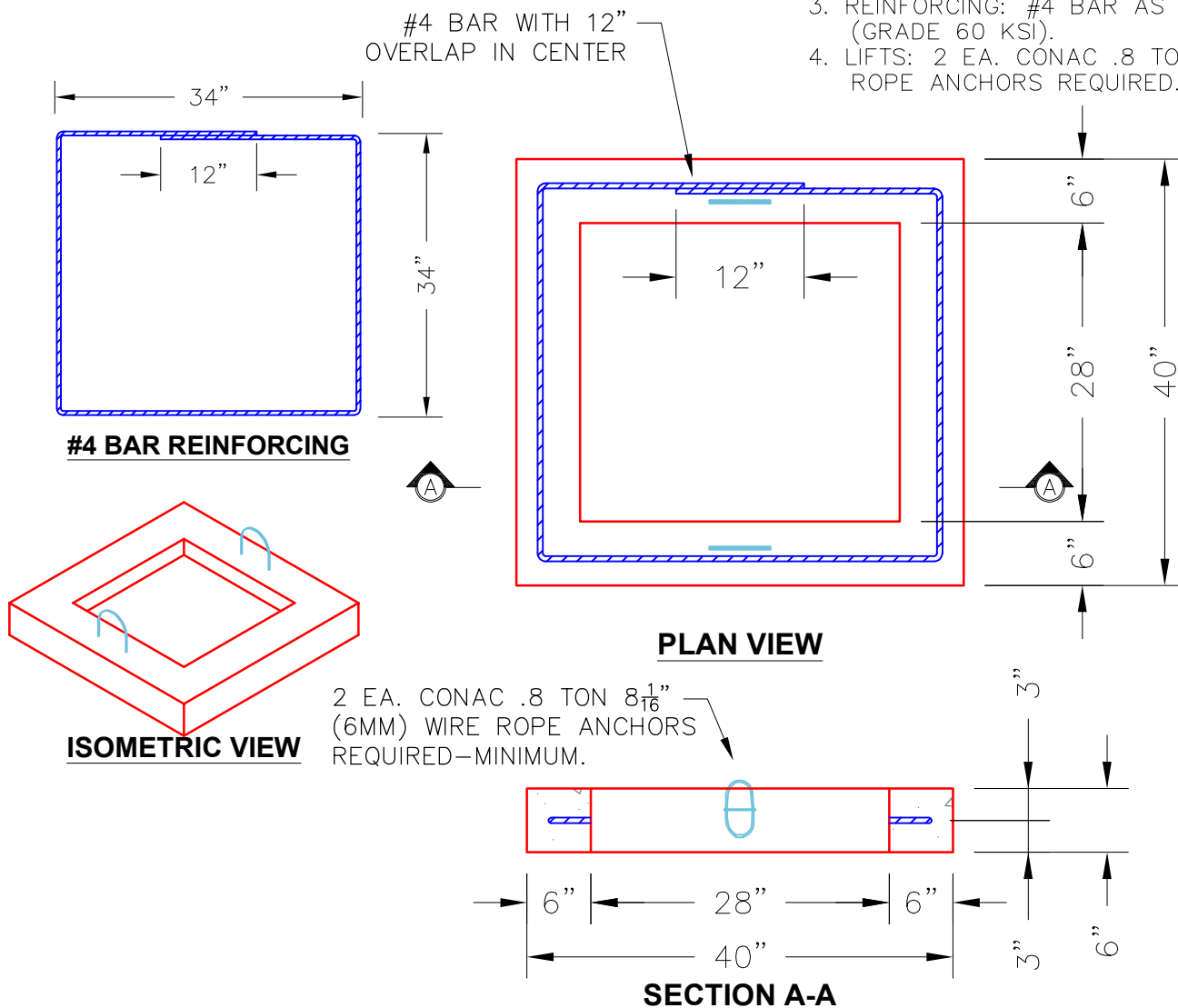
REINFORCING PER ASTM A615 (GRADE 60).

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

NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE = 4,000 PSI @ 28 DAYS.
3. REINFORCING: #4 BAR AS SHOWN (GRADE 60 KSI).
4. LIFTS: 2 EA. CONAC .8 TON WIRE ROPE ANCHORS REQUIRED.

Structure Total: 9449 lb



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Flat

Wall Thickness: 6"

|                  |
|------------------|
| Height (Ext): 6" |
|------------------|

|                        |
|------------------------|
| Weight (Net): 411 lb   |
| Volume (Net): 0.1cu.yd |

Plant: Beaver Dam

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7/21/2026 8:50:26 AM

|                                  |                                |                    |                  |                                                |
|----------------------------------|--------------------------------|--------------------|------------------|------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Flat<br>Seam Dn: Flat | Wall Thickness: 6" | Height (Ext): 6" | Weight (Net): 411 lb<br>Volume (Net): 0.1cu.yd |
|----------------------------------|--------------------------------|--------------------|------------------|------------------------------------------------|

Plant: Beaver Dam

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7/21/2026 8:50:26 AM

|       |              |
|-------|--------------|
| Tech: | S. Felletter |
| PC:   | A. Chambers  |

**GRADE RING 6"W F/F**

411 lb  
411 lb  
411 lb  
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411 lb  
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411 lb  
411 lb  
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411 lb  
411 lb

**Structure Notes:**

- 1. PER ASTM C913 SPECIFICATIONS.
- 2. CONCRETE = 4,000 PSI AT 28 DAYS.

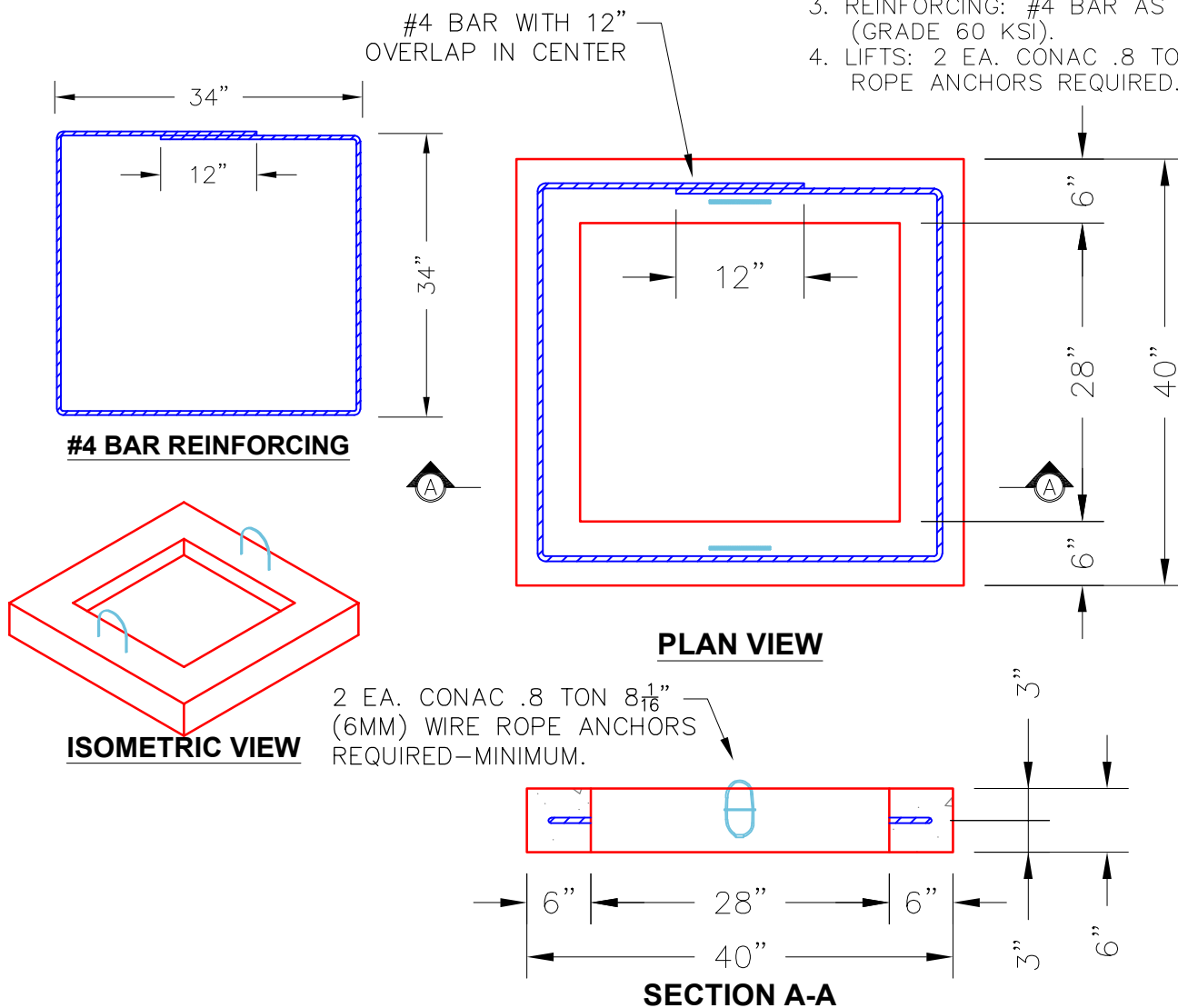
REINFORCING PER ASTM A615 (GRADE 60).

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

NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE = 4,000 PSI @ 28 DAYS.
3. REINFORCING: #4 BAR AS SHOWN (GRADE 60 KSI).
4. LIFTS: 2 EA. CONAC .8 TON WIRE ROPE ANCHORS REQUIRED.

Structure Total: 9449 lb



Coating (Int):  
Coating (Ext):

|               |
|---------------|
| Seam Up: Flat |
| Seam Dn: Flat |

Wall Thickness: 6"

|                  |
|------------------|
| Height (Ext): 6" |
|------------------|

|                        |
|------------------------|
| Weight (Net): 411 lb   |
| Volume (Net): 0.1cu.yd |

Plant: Beaver Dam

---

7/21/2026 8:50:26 AM

|       |              |
|-------|--------------|
| Tech: | S. Felletter |
| PC:   | A. Chambers  |

**GRADE RING 6"W F/F**

411 lb  
411 lb  
411 lb  
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411 lb  
411 lb  
411 lb  
411 lb  
411 lb

**Structure Notes:**

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

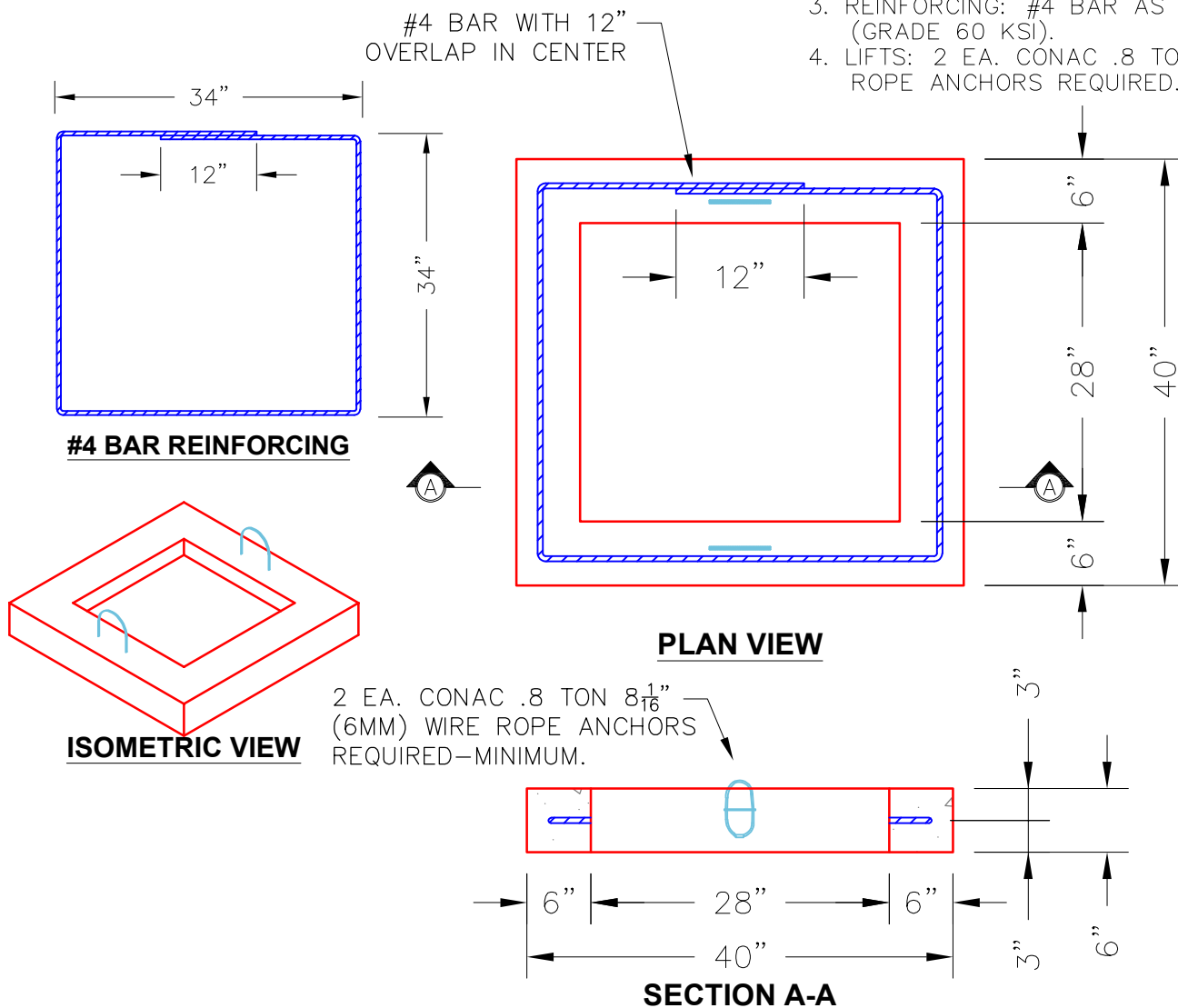
REINFORCING PER ASTM A615 (GRADE 60).

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

NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE = 4,000 PSI @ 28 DAYS.
3. REINFORCING: #4 BAR AS SHOWN (GRADE 60 KSI).
4. LIFTS: 2 EA. CONAC .8 TON WIRE ROPE ANCHORS REQUIRED.

Structure Total: 9449 lb



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Flat

Wall Thickness: 6"

|                  |
|------------------|
| Height (Ext): 6" |
|------------------|

|                        |
|------------------------|
| Weight (Net): 411 lb   |
| Volume (Net): 0.1cu.yd |





|                        |
|------------------------|
| Weight (Net): 411 lb   |
| Volume (Net): 0.1cu.yd |



|                        |
|------------------------|
| Weight (Net): 411 lb   |
| Volume (Net): 0.1cu.yd |

Job Name: 25-2284C Parks at Cane Ridge Ph.2B  
Job Location: Antioch, TN  
Contractor: Josh King Excavating

Plant: Beaver Dam

Tech: S. Felletter

7/21/2026 8:50:12 AM

PC: A. Chambers



## Structure ID: QL18

### P1 GR28X28X6X4

### GRADE RING 6"W F/F

P18) 28" x 28" - GRADE RING 6"W F/F - 4"  
P17) 28" x 28" - GRADE RING 6"W F/F - 4"  
P16) 28" x 28" - GRADE RING 6"W F/F - 4"  
P15) 28" x 28" - GRADE RING 6"W F/F - 4"  
P14) 28" x 28" - GRADE RING 6"W F/F - 4"  
P13) 28" x 28" - GRADE RING 6"W F/F - 4"  
P12) 28" x 28" - GRADE RING 6"W F/F - 4"  
P11) 28" x 28" - GRADE RING 6"W F/F - 4"  
P10) 28" x 28" - GRADE RING 6"W F/F - 4"  
P9) 28" x 28" - GRADE RING 6"W F/F - 4"  
P8) 28" x 28" - GRADE RING 6"W F/F - 4"  
P7) 28" x 28" - GRADE RING 6"W F/F - 4"  
P6) 28" x 28" - GRADE RING 6"W F/F - 4"  
P5) 28" x 28" - GRADE RING 6"W F/F - 4"  
P4) 28" x 28" - GRADE RING 6"W F/F - 4"  
P3) 28" x 28" - GRADE RING 6"W F/F - 4"  
P2) 28" x 28" - GRADE RING 6"W F/F - 4"  
P1) 28" x 28" - GRADE RING 6"W F/F - 4"

274 lb  
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#### Structure Notes:

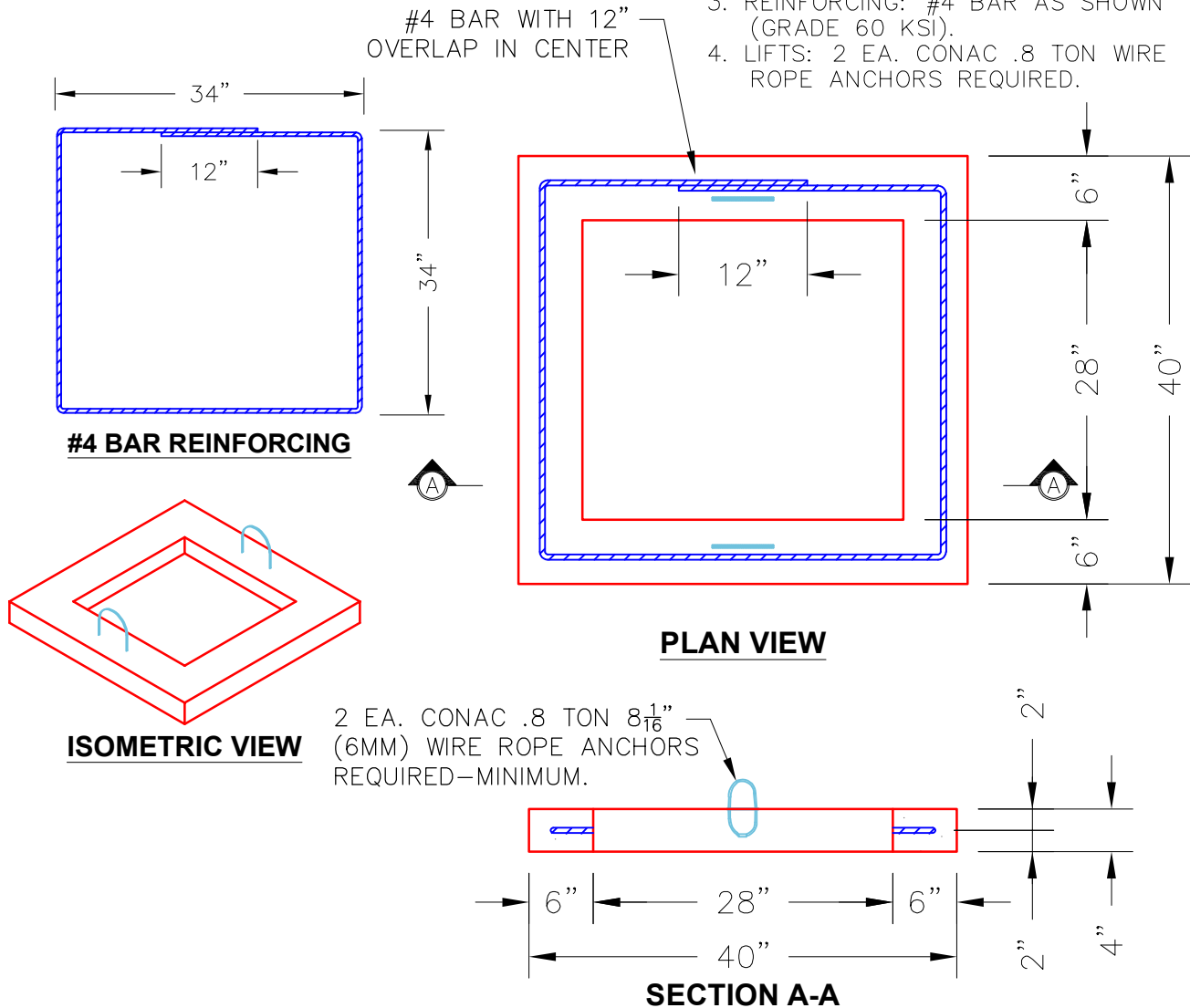
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

#### NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE = 4,000 PSI @ 28 DAYS.
3. REINFORCING: #4 BAR AS SHOWN (GRADE 60 KSI).
4. LIFTS: 2 EA. CONAC .8 TON WIRE ROPE ANCHORS REQUIRED.



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

Weight (Net): 274 lb  
Volume (Net): 0.07cu.yd

Job Name: 25-2284C Parks at Cane Ridge Ph.2B  
Job Location: Antioch, TN  
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:12 AM

Tech: S. Felletter

PC: A. Chambers



## Structure ID: QL18

**P2 GR28X28X6X4**

**GRADE RING 6"W F/F**

P18) 28" x 28" - GRADE RING 6"W F/F - 4"  
P17) 28" x 28" - GRADE RING 6"W F/F - 4"  
P16) 28" x 28" - GRADE RING 6"W F/F - 4"  
P15) 28" x 28" - GRADE RING 6"W F/F - 4"  
P14) 28" x 28" - GRADE RING 6"W F/F - 4"  
P13) 28" x 28" - GRADE RING 6"W F/F - 4"  
P12) 28" x 28" - GRADE RING 6"W F/F - 4"  
P11) 28" x 28" - GRADE RING 6"W F/F - 4"  
P10) 28" x 28" - GRADE RING 6"W F/F - 4"  
P9) 28" x 28" - GRADE RING 6"W F/F - 4"  
P8) 28" x 28" - GRADE RING 6"W F/F - 4"  
P7) 28" x 28" - GRADE RING 6"W F/F - 4"  
P6) 28" x 28" - GRADE RING 6"W F/F - 4"  
P5) 28" x 28" - GRADE RING 6"W F/F - 4"  
P4) 28" x 28" - GRADE RING 6"W F/F - 4"  
P3) 28" x 28" - GRADE RING 6"W F/F - 4"  
P2) 28" x 28" - GRADE RING 6"W F/F - 4"  
P1) 28" x 28" - GRADE RING 6"W F/F - 4"

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### Structure Notes:

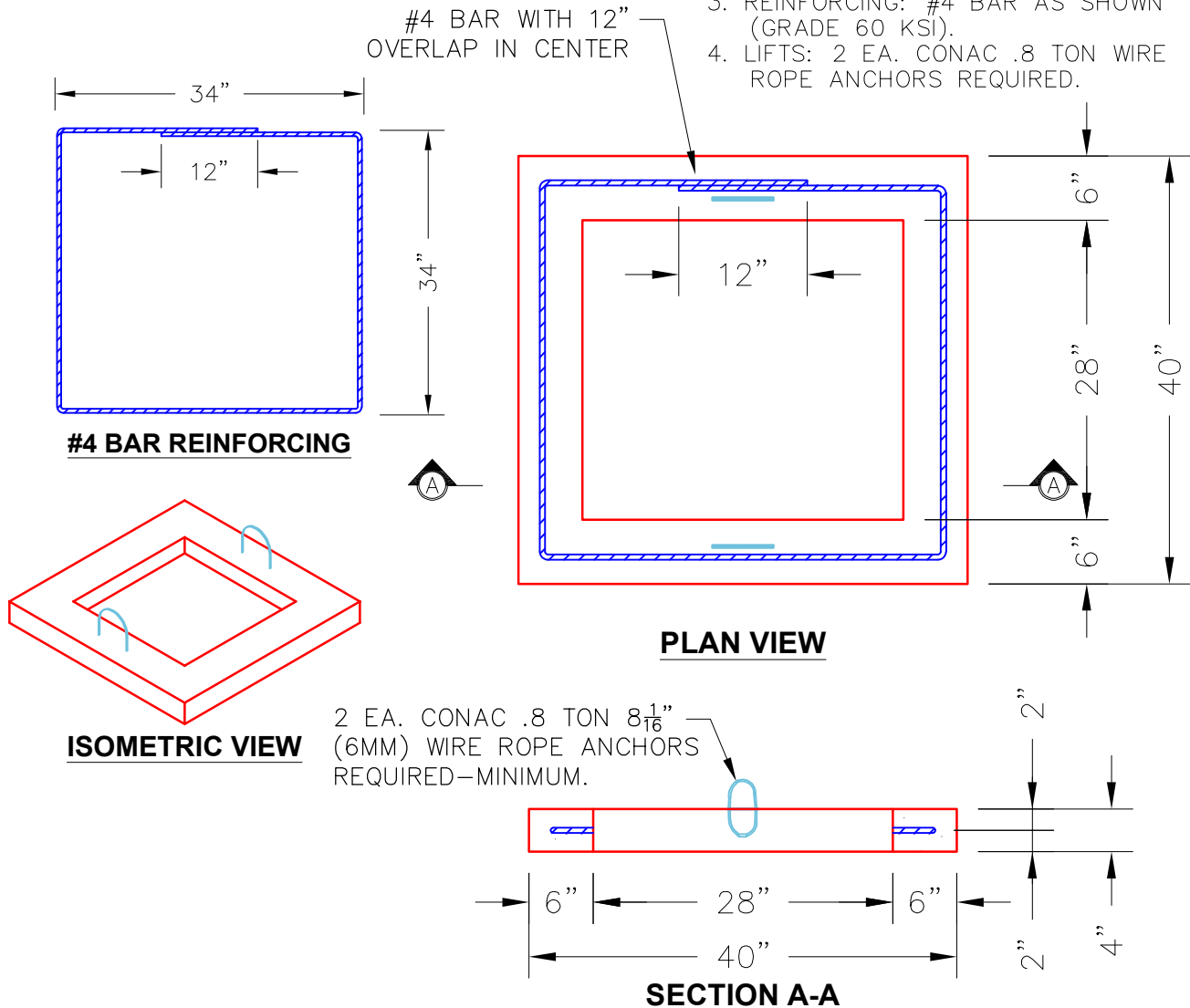
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

### NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE = 4,000 PSI @ 28 DAYS.
3. REINFORCING: #4 BAR AS SHOWN (GRADE 60 KSI).
4. LIFTS: 2 EA. CONAC .8 TON WIRE ROPE ANCHORS REQUIRED.



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

Weight (Net): 274 lb  
Volume (Net): 0.07cu.yd

Job Name: 25-2284C Parks at Cane Ridge Ph.2B  
Job Location: Antioch, TN  
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:13 AM

Tech: S. Felletter

PC: A. Chambers



## Structure ID: QL18

**P3 GR28X28X6X4**

**GRADE RING 6"W F/F**

P18) 28" x 28" - GRADE RING 6"W F/F - 4"  
P17) 28" x 28" - GRADE RING 6"W F/F - 4"  
P16) 28" x 28" - GRADE RING 6"W F/F - 4"  
P15) 28" x 28" - GRADE RING 6"W F/F - 4"  
P14) 28" x 28" - GRADE RING 6"W F/F - 4"  
P13) 28" x 28" - GRADE RING 6"W F/F - 4"  
P12) 28" x 28" - GRADE RING 6"W F/F - 4"  
P11) 28" x 28" - GRADE RING 6"W F/F - 4"  
P10) 28" x 28" - GRADE RING 6"W F/F - 4"  
P9) 28" x 28" - GRADE RING 6"W F/F - 4"  
P8) 28" x 28" - GRADE RING 6"W F/F - 4"  
P7) 28" x 28" - GRADE RING 6"W F/F - 4"  
P6) 28" x 28" - GRADE RING 6"W F/F - 4"  
P5) 28" x 28" - GRADE RING 6"W F/F - 4"  
P4) 28" x 28" - GRADE RING 6"W F/F - 4"  
P3) 28" x 28" - GRADE RING 6"W F/F - 4"  
P2) 28" x 28" - GRADE RING 6"W F/F - 4"  
P1) 28" x 28" - GRADE RING 6"W F/F - 4"

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### Structure Notes:

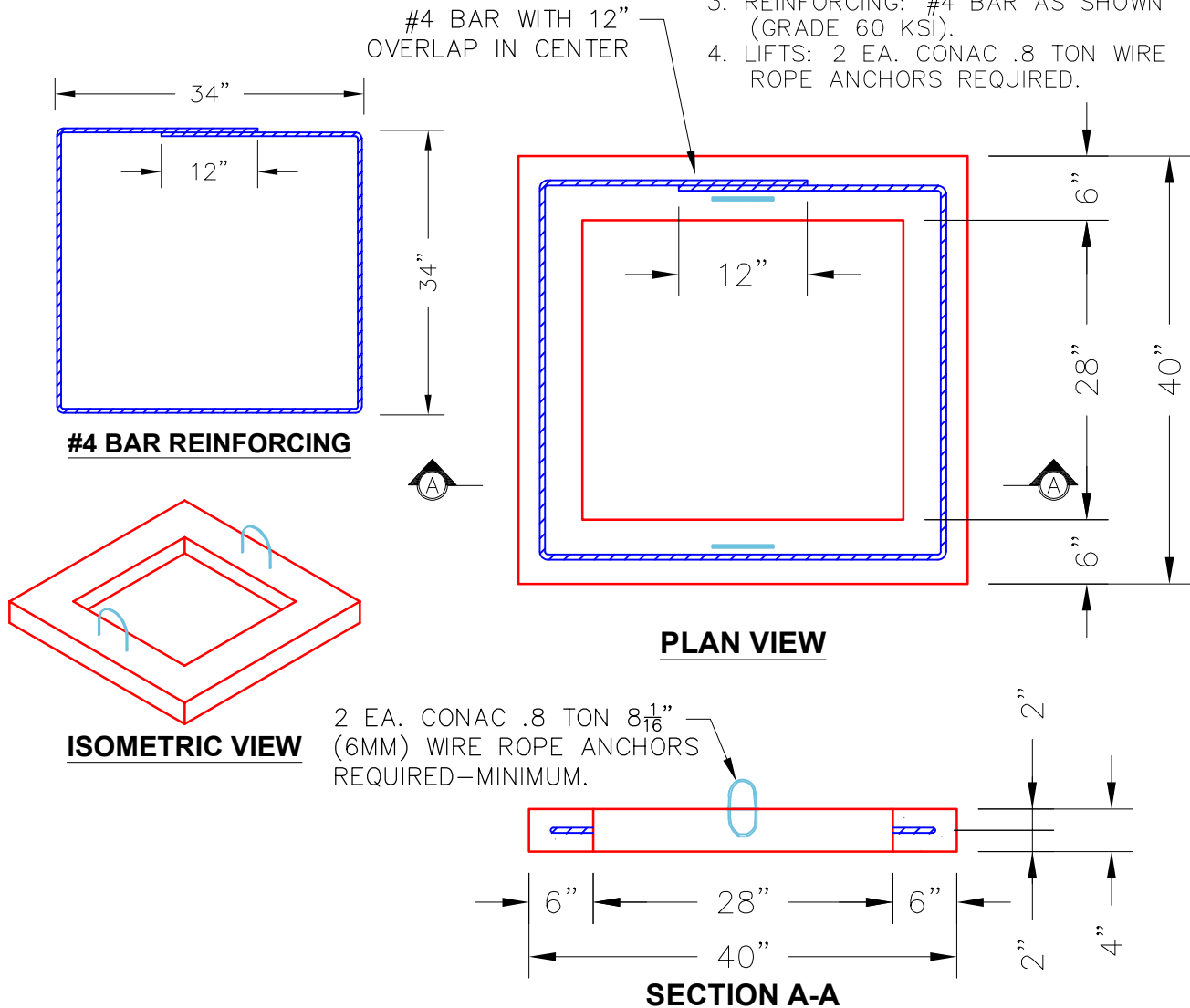
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

### NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE = 4,000 PSI @ 28 DAYS.
3. REINFORCING: #4 BAR AS SHOWN (GRADE 60 KSI).
4. LIFTS: 2 EA. CONAC .8 TON WIRE ROPE ANCHORS REQUIRED.



Coating (Int):  
Coating (Ext):

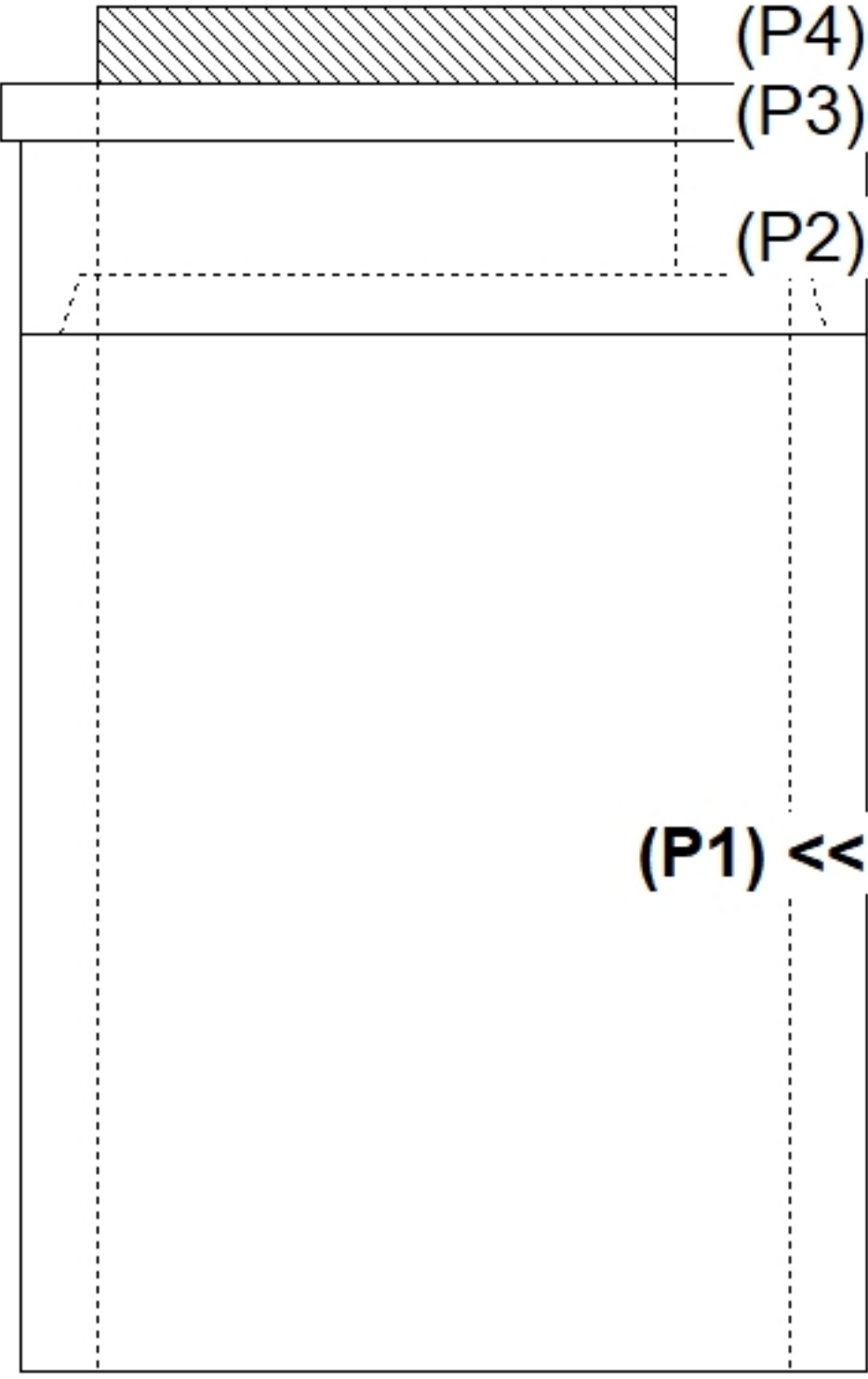
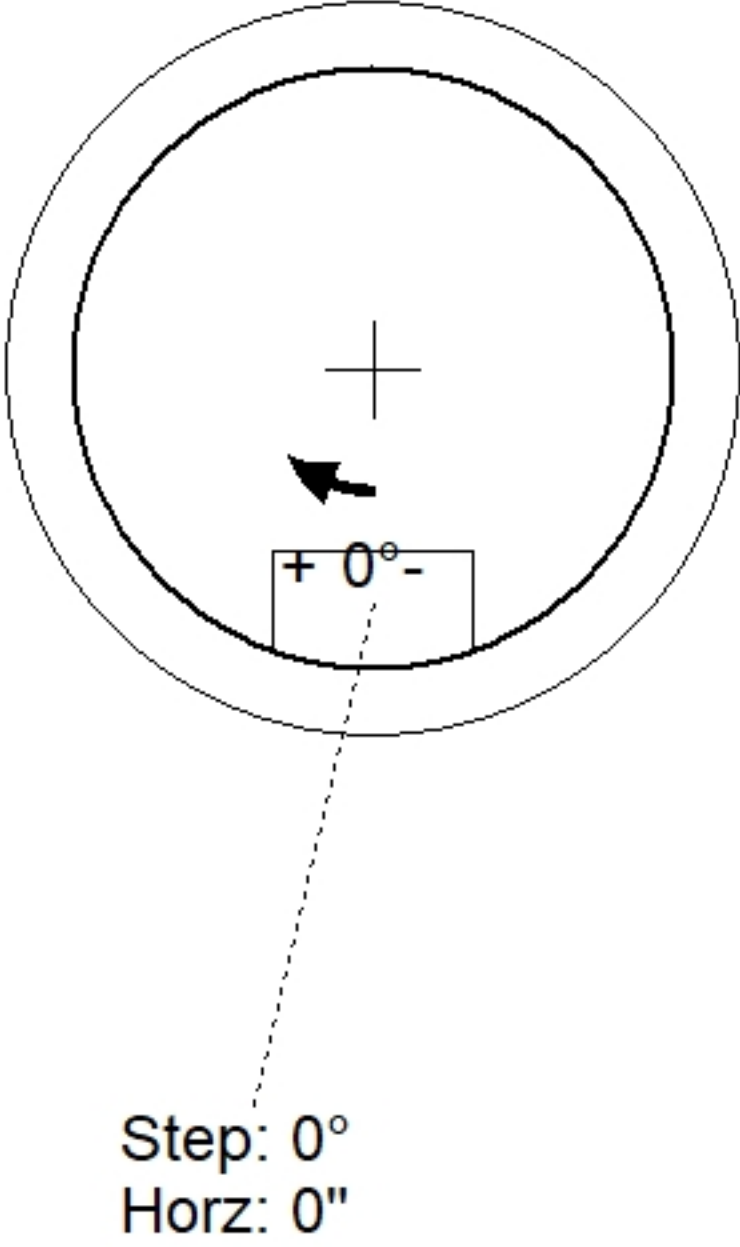
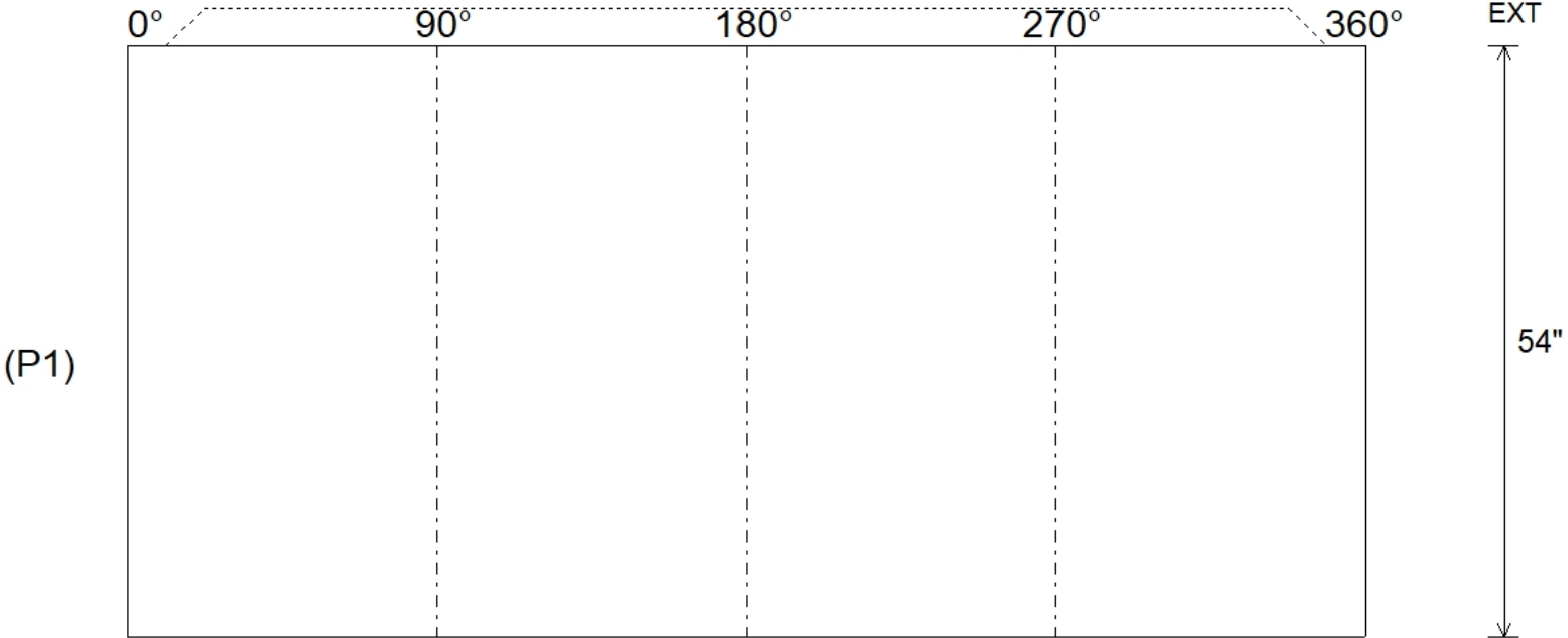
Seam Up: Flat  
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

Weight (Net): 274 lb  
Volume (Net): 0.07cu.yd



|                                                                                                                                                                                                                                                                                                    |      |                                                                                       |                 |              |                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                    |        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|-----------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 26-3046 903454 2026 Street Reconstruction                                                                                                                                                                                                                                                |      |                                                                                       |                 |              | Plant: Beaver Dam                                                                                                                                                           |           | Tech: S. Felletter                                                                                                                                                                                                                                                                                                                                                                                          |           |  |        |  |
| Job Location: Elk River, MN                                                                                                                                                                                                                                                                        |      |                                                                                       |                 |              | 7/17/2026 1:18:37 PM                                                                                                                                                        |           | PC: C. Goff                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                    |        |  |
| Contractor: Contech Engineering Solutions                                                                                                                                                                                                                                                          |      |                                                                                       |                 |              |                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                    |        |  |
| Structure ID: Riser Set 2                                                                                                                                                                                                                                                                          |      |                                                                                       |                 |              |                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                    |        |  |
| P1                                                                                                                                                                                                                                                                                                 |      | MH036RS54                                                                             |                 | MH RISER T/F |                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                    |        |  |
| <div>P4) 30" - CASTING HEIGHT - 4"</div> <div>P3) 30" - GRADE RING F/F - 3"</div> <div>P2) 36" - MH FLAT LID w/30in ECC Hole F/G - 10"</div> <div>P1) 36" - MH RISER T/F - 54"</div> <div>1) CVSTENCILING</div> <div>1) 36" - Conseal CS-102 1.00"</div> <div>5) MH Step ML-10-TDS-NCR - 10"</div> |      |                                                                                       |                 |              | <div>0 lb</div> <div>138 lb</div> <div>683 lb</div> <div>2278 lb</div> <div>0 lb</div> <div>0 lb</div> <div>0 lb</div> <div>-----</div> <div>Structure Total: 3099 lb</div> |           | <div>Structure Notes: .</div> <div>1. PER ASTM C478 SPECIFICATIONS.</div> <div>2. CONCRETE = 4,000 PSI AT 28 DAYS.</div> <div>3. 4" CASTING PROVIDED BY OTHERS.</div> <div>4. CONTECH'S LOGO TO BE STENCILED ONTO THE OUTSIDE OF THE STRUCTURE.</div> <div>.</div> <div>REINFORCING PER ASTM A615 (GRADE 60).</div> <div>- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.</div> <div>- RISER/WALLS (As .12)</div> |           |                                                                                    |        |  |
| Rim: 5.917' Rim to Invert: 0' Slack: 0" Sump: 0" 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):                                                                                                                                                                                                                                                                                     |      |                                                                                       | Seam Up: Tongue |              | Wall Thickness: 4"                                                                                                                                                          |           | Height (Int): 54"                                                                                                                                                                                                                                                                                                                                                                                           |           | Weight (Net): 2278 lb                                                              |        |  |
| Coating (Ext):                                                                                                                                                                                                                                                                                     |      |                                                                                       | Seam Dn: Flat   |              | Floor Height: 0"                                                                                                                                                            |           | Height (Ext): 54"                                                                                                                                                                                                                                                                                                                                                                                           |           | Volume (Net): 0.58cu.yd                                                            |        |  |

Job Name: 26-1733 - Liberty Power Station  
Job Location: Liberty, KY  
Contractor: Weddle Enterprises, Inc

Plant: 100

7/20/2026 8:30:30 AM

Tech: Jared - F

PC: T. Ryan



## Structure ID: CB-20

### P2 MH060LD13

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

- P3) 24" - CASTING HEIGHT - 4"  
P2) 60" - MH FLAT TOP w/ 24" ECC Hole - 13"  
P1) 60" - MH BASE Custom Ht - 62"  
1) 60" - Conseal CS-102 1.00"  
1) 24" - Conseal CS-102 1.00"  
2) Hole - 40  
5) MH Step ML-10-TDS-NCR - 10"

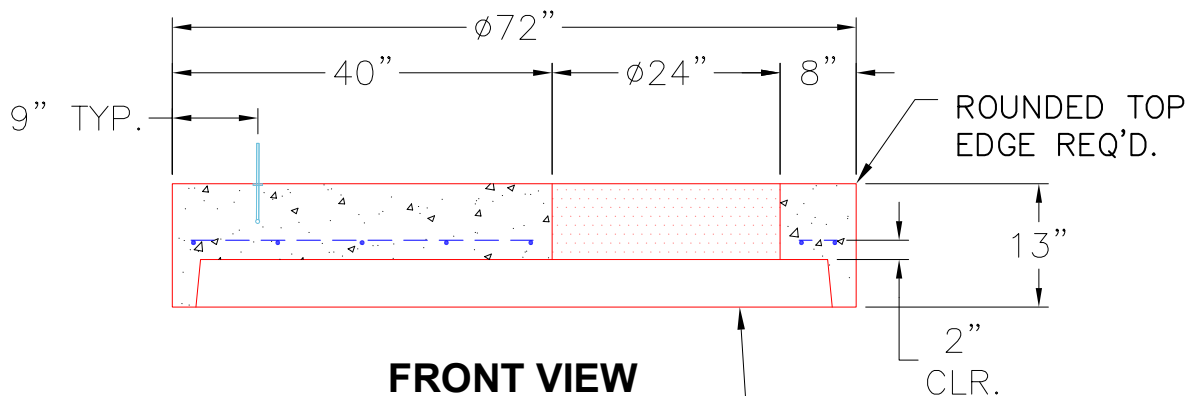
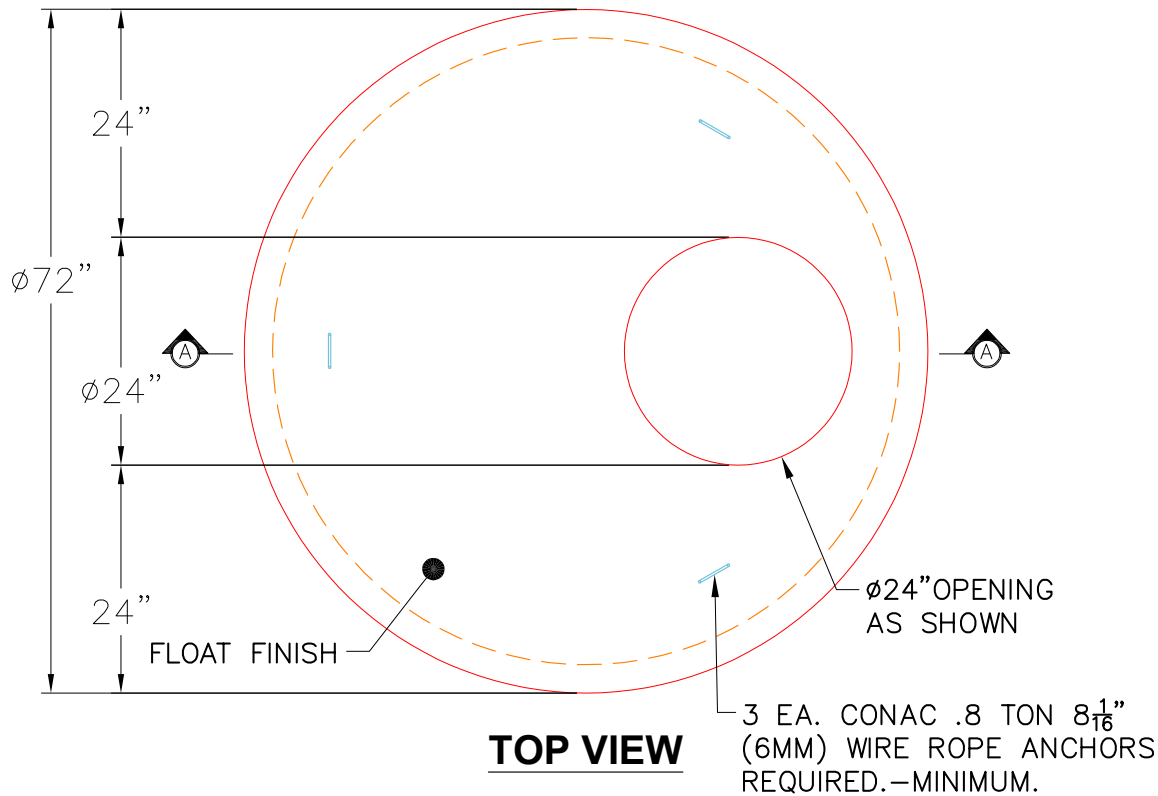
Structure Total:

0 lb  
2869 lb  
7842 lb  
0 lb  
0 lb  
0 lb  
0 lb  
10711 lb

#### Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS.

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



#### NOTES:

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

Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 2869 lb  
Volume (Net): 0.73cu.yd



Job Name: 26-1733 - Liberty Power Station  
Job Location: Liberty, KY  
Contractor: Weddle Enterprises, Inc

Plant: 100  
7/20/2026 8:29:53 AM

Tech: Jared - F  
PC: T. Ryan



Structure ID: SEDIMENT BASIN

P1 BX3636-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 36" x 36" - CASTING HEIGHT - 0"  
P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 53"  
1) 36" x 36" - Conseal CS-102 1.00"  
1) Hole - 26  
1) Orifice - 7"

0 lb  
7695 lb  
0 lb  
0 lb  
0 lb  
-----  
Structure Total: 7695 lb

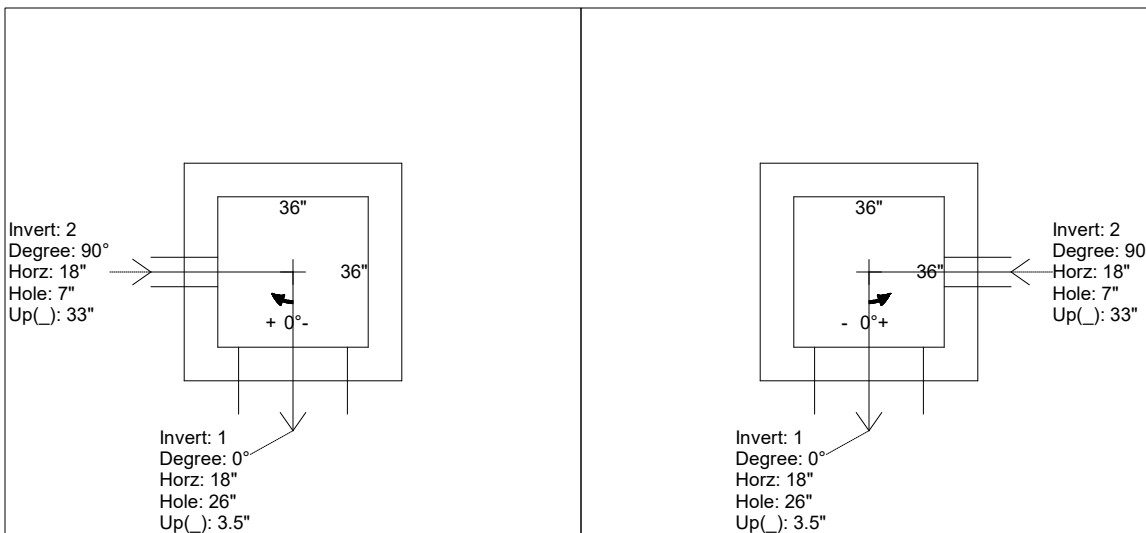
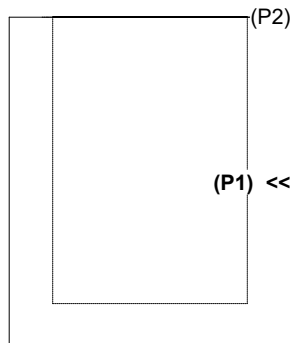
Structure Notes:  
1. PER ASTM C913 SPECIFICATIONS.  
2. CONCRETE = 4,000 PSI AT 28 DAYS.  
3. NO STEPS AND NO INVERT CHANNEL.  
4. CASTING SUPPLIES BY OTHERS.  
REINFORCING PER ASTM A615 (GRADE 60).  
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.  
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 1090' Rim to Invert: 4' Slack: 0.998" Sump: 6" Step Position: 180°

| Position | Elev     | Angle | Ext. (cw) | Pipe           | Pipe OD | Connector  | Hole | Horz Size | Up ( _ ) | Offset |
|----------|----------|-------|-----------|----------------|---------|------------|------|-----------|----------|--------|
| Invert 1 | 1086'    | 0°    | 26"       | 18" RCP B WALL | 23"     | Hole 26    | 26"  | 26"       | 3.5"     | 0"     |
| Invert 2 | 1088.25' | 90°   | 26"       | 7" Orifice     | 7"      | Orifice 7" | 7"   | 7"        | 33"      | 0"     |
| Invert 3 |          |       |           |                |         |            |      |           |          |        |
| Invert 4 |          |       |           |                |         |            |      |           |          |        |
| Invert 5 |          |       |           |                |         |            |      |           |          |        |
| Invert 6 |          |       |           |                |         |            |      |           |          |        |
| Invert 7 |          |       |           |                |         |            |      |           |          |        |
| Invert 8 |          |       |           |                |         |            |      |           |          |        |

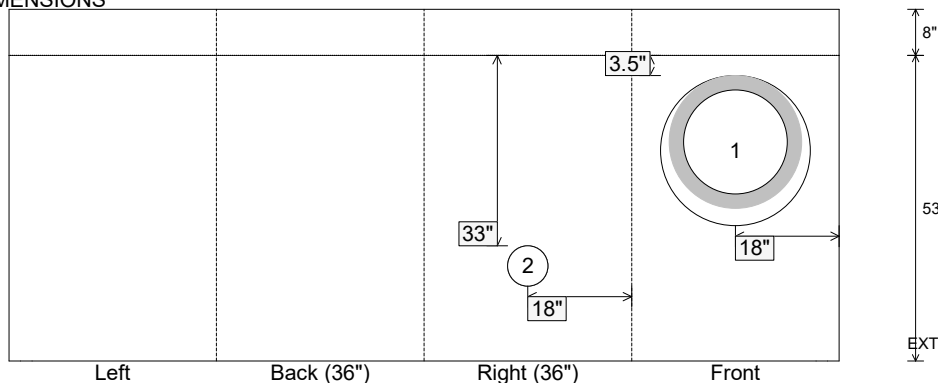
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: n/a

Wall Thickness: 8"  
Floor Height: 8"

Height (Int): 53"  
Height (Ext): 61"

Weight (Net): 7695 lb  
Volume (Net): 1.96cu.yd

Job Name: 26-1733 - Liberty Power Station  
Job Location: Liberty, KY  
Contractor: Weddle Enterprises, Inc

Plant: 100

Tech: Jared - F

7/20/2026 8:29:45 AM

PC: T. Ryan



Structure ID: CB-20

P1 MH060BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 4"  
P2) 60" - MH FLAT TOP w/ 24" ECC Hole - 13"  
P1) 60" - MH BASE Custom Ht - 62"  
1) 60" - Conseal CS-102 1.00"  
1) 24" - Conseal CS-102 1.00"  
2) Hole - 40  
5) MH Step ML-10-TDS-NCR - 10"

- 0 lb  
2869 lb  
7842 lb  
0 lb  
0 lb  
0 lb  
0 lb  
0 lb  
Structure Notes: .  
1. PER ASTM C478 SPECIFICATIONS.  
2. CONCRETE = 4,000 PSI AT 28 DAYS.  
3. NO INVERT CHANNEL.  
4. CASTING SUPPLIED BY OTHERS.

Structure Total:

10711 lb

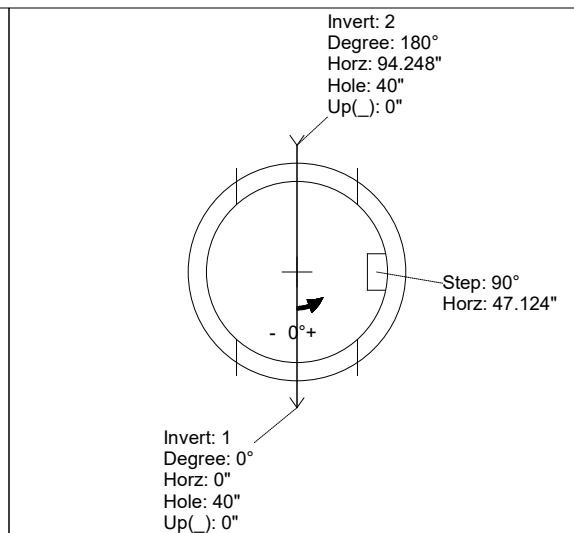
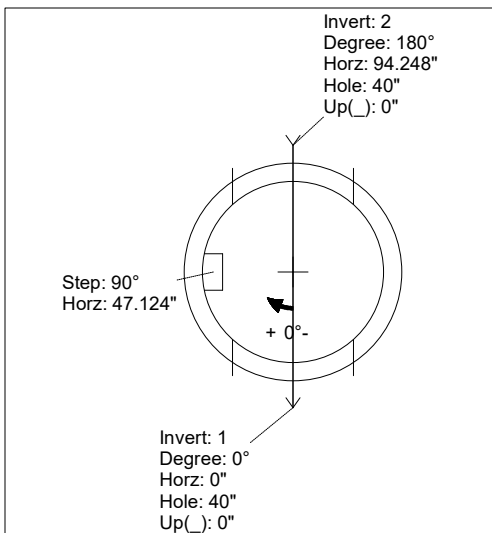
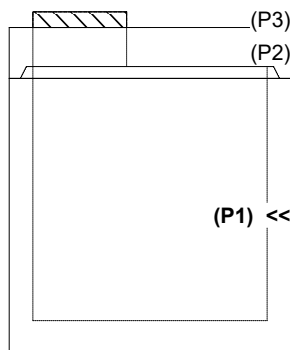
- REINFORCING PER ASTM A615 (GRADE 60).  
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
- RISER/WALLS (As .18)  
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 1076' Rim to Invert: 6.37' Slack: 0.94" Sump: 3.5" Step Position: 90°

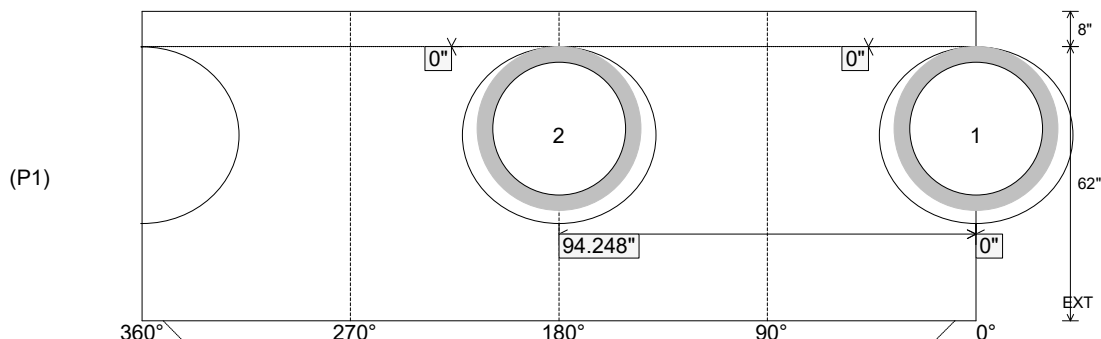
| Position | Elev     | Angle | Ext. (cw) | Pipe           | Pipe OD | Connector | Hole | Horz Size | Up ( _ ) | Offset |
|----------|----------|-------|-----------|----------------|---------|-----------|------|-----------|----------|--------|
| Invert 1 | 1069.63' | 0°    | 0"        | 30" RCP B WALL | 37"     | Hole 40   | 40"  | 43.784"   | 0"       | 0"     |
| Invert 2 | 1069.63' | 180°  | 113.097"  | 30" RCP B WALL | 37"     | Hole 40   | 40"  | 43.784"   | 0"       | 0"     |
| Invert 3 |          |       |           |                |         |           |      |           |          |        |
| Invert 4 |          |       |           |                |         |           |      |           |          |        |
| Invert 5 |          |       |           |                |         |           |      |           |          |        |
| Invert 6 |          |       |           |                |         |           |      |           |          |        |
| Invert 7 |          |       |           |                |         |           |      |           |          |        |
| Invert 8 |          |       |           |                |         |           |      |           |          |        |

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):  
Coating (Ext):

Seam Up: Tongue  
Seam Dn: n/a

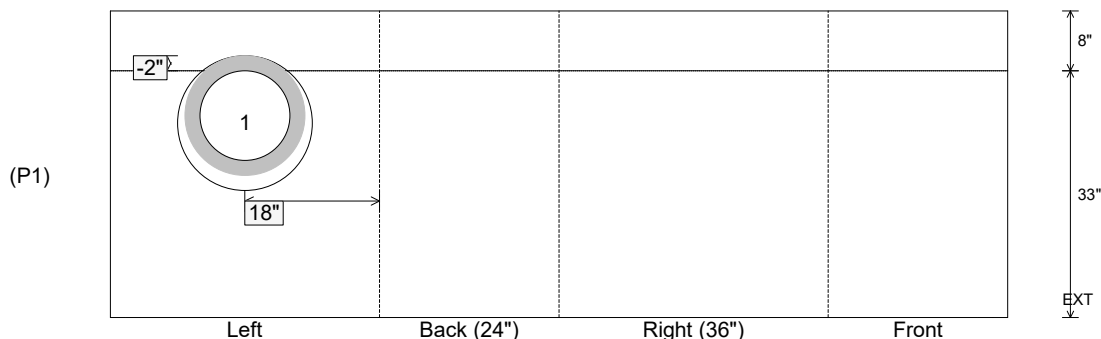
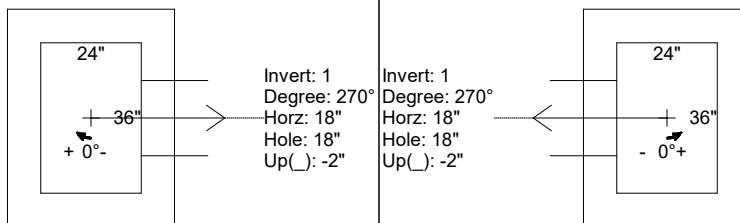
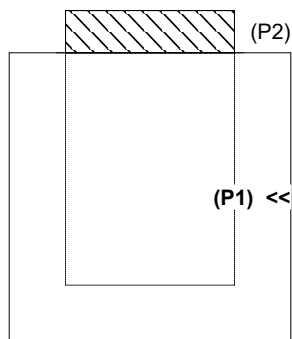
Wall Thickness: 6"  
Floor Height: 8"

Height (Int): 62"  
Height (Ext): 70"

Weight (Net): 7842 lb  
Volume (Net): 2cu.yd



1. HOE 525 SET (F/G/H) PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. NO INVERT CHANNEL.
5. REINFORCING PER ASTM A615 (GRADE 60).
  - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
  - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

[illegible]

|                         |
|-------------------------|
| Weight (Net): 4593 lb   |
| Volume (Net): 1.17cu.yd |

Job Name: 26-1394 - TMMI Ryder Lift Station

Job Location: Princeton, IN

Contractor: Koberstein Contracting, Inc.

Plant: 100

7/16/2026 2:28:13 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: 4 VV

P1 BX6096-08BAVF-EB

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

P3) 37" x 36" - HATCH (CAST FLUSH) - 3"

P2) 60" x 96" - BX FLAT LID 8"W w/37"x36" HATCH F/F - 8"

P1) 60" x 96" - BX BASE w/FLANGE 08W/08F/06EF F/n - 85"

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

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

1) This Structure Includes a Cast-in Item - 37" x 36" Hatch (Supplied by Others)

1) SECONDARY POUR

1) LADDER (Alum.) - HALLIDAY L1D 84in Floor-Ceiling Mount Ladder

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

8) PSX - 8QRS-S NYLO

0 lb

4820 lb

26684 lb

0 lb

0 lb

0 lb

0 lb

65 lb

0 lb

52 lb

Structure Total: 31621 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. WET STICK 24" X 42" #5 L-BARS @ 12" C.C. (GRADE 60) OUT OF FLOOR FOR WALL POUR TIE-IN (SEE L-BAR DETAIL)

FIRST POUR (FLOOR): 7,325 LBS

SECOND POUR (WALLS): 19,359 LBS

Rim: 464.5'

Rim to Invert: 7.4'

Slack: 0.24"

Sump: 4.44"

Step Position:

| Position | Elev    | Angle | Ext. (cw) | Pipe         | Pipe OD | Connector       | Hole | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|--------------|---------|-----------------|------|-----------|--------|--------|
| Invert 1 | 458.81' | 90°   | 31"       | 4" DI        | 4.75"   | PSX 8QRS-S NYLO | 8"   | 8"        | 23"    | -25"   |
| Invert 2 | 458.81' | 90°   | 61"       | 4" DI        | 4.75"   | PSX 8QRS-S NYLO | 8"   | 8"        | 23"    | 5"     |
| Invert 3 | 458.81' | 90°   | 87"       | 4" DI        | 4.75"   | PSX 8QRS-S NYLO | 8"   | 8"        | 23"    | 31"    |
| Invert 4 | 457.1'  | 90°   | 74"       | 3" PVC SCH80 | 3.5"    | PSX 8QRS-S NYLO | 8"   | 8"        | 1.875" | 18"    |
| Invert 5 | 458.81' | 270°  | 25"       | 4" DI        | 4.75"   | PSX 8QRS-S NYLO | 8"   | 8"        | 23"    | -31"   |
| Invert 6 | 458.81' | 270°  | 51"       | 4" DI        | 4.75"   | PSX 8QRS-S NYLO | 8"   | 8"        | 23"    | -5"    |
| Invert 7 | 457.13' | 270°  | 38"       | 3" PVC SCH80 | 3.5"    | PSX 8QRS-S NYLO | 8"   | 8"        | 2.25"  | -18"   |
| Invert 8 | 458.81' | 270°  | 81"       | 4" DI        | 4.75"   | PSX 8QRS-S NYLO | 8"   | 8"        | 23"    | 25"    |

42"

24"

#5 L-BAR DETAIL

44 EA. REQUIRED

(P3)

(P2)

(P1) <<

8" (TYP)

2" MIN. CLR. (TYP)

6"

8"

88" X 124"

WET STICK #5 L-BARS @ 8" C.C. (GRADE 60) OUT OF FLOOR FOR WALL POUR TIE-IN (SEE L-BAR DETAIL)

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 3

Degree: 90°

Horz: 79"

Hole: 8"

Up( ): 23"

Invert: 4

Degree: 90°

Horz: 66"

Hole: 8"

Up( ): 1.875"

Invert: 2

Degree: 90°

Horz: 53"

Hole: 8"

Up( ): 23"

Invert: 1

Degree: 90°

Horz: 23"

Hole: 8"

Up( ): 23"

Invert: 5

Degree: 270°

Horz: 17"

Hole: 8"

Up( ): 23"

Invert: 7

Degree: 270°

Horz: 30"

Hole: 8"

Up( ): 2.25"

Invert: 6

Degree: 270°

Horz: 43"

Hole: 8"

Up( ): 23"

Invert: 8

Degree: 270°

Horz: 73"

Hole: 8"

Up( ): 23"

60"

96"

+0° -

INSIDE WALL DIMENSIONS

Front

Right (96")

Back (60")

Left

79"

53"

23"

23"

1

2

3

4

66"

1.875"

73"

43"

17"

23"

5

6

8

7

30"

2.25"

85"

8"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 85"

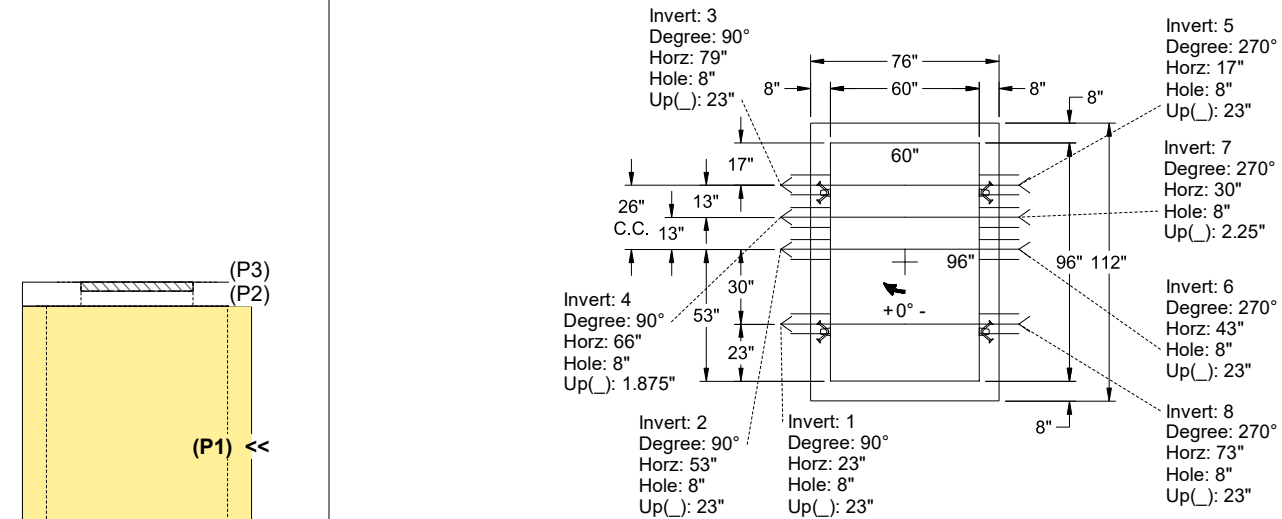
Height (Ext): 93"

Weight (Net): 26684 lb

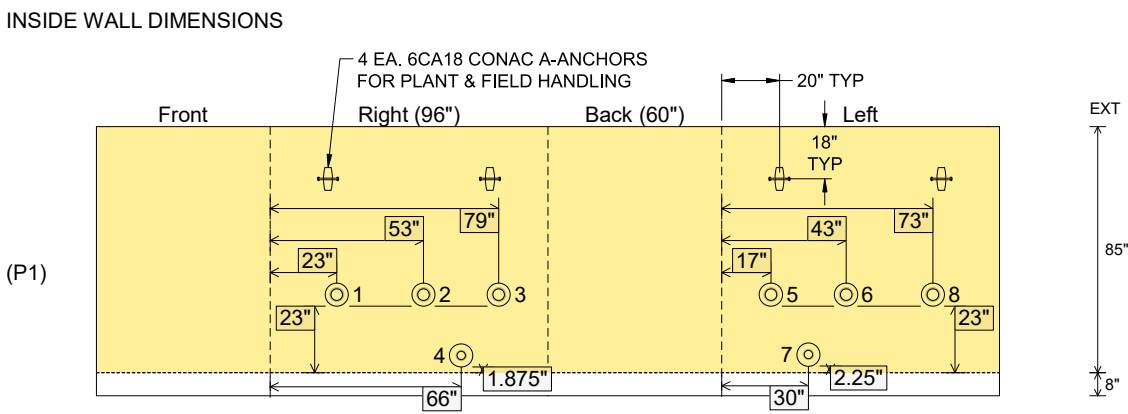
Volume (Net): 6.82cu.yd

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                  |           |              |                                                                                                                                               |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|-----------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 26-1394 - TMMI Ryder Lift Station<br>Job Location: Princeton, IN<br>Contractor: Koberstein Contracting, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                  |           |              | Plant: 100<br><br>7/16/2026 2:28:13 PM                                                                                                        |                 | Tech: Jared - A<br><br>PC: A. Chambers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |  |        |  |
| Structure ID: 4 VV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |                  |           |              |                                                                                                                                               |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| P1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         | BX6096-08BAVF-EB |           |              | BX BASE w/FLANGE 08W/08F/06EF F/n                                                                                                             |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| <p>P3) 37" x 36" - HATCH (CAST FLUSH) - 3"<br/>P2) 60" x 96" - BX FLAT LID 8"W w/37"x36" HATCH F/F - 8"<br/>P1) 60" x 96" - BX BASE w/FLANGE 08W/08F/06EF F/n - 85"<br/>1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)<br/>1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212<br/>1) This Structure Includes a Cast-in Item - 37" x 36" Hatch (Supplied by Others)<br/>1) SECONDARY POUR - Extended Base Flange<br/>1) LADDER (Alum.) - HALLIDAY L1D 84in Floor-Ceiling Mount Ladder<br/>1) 60" x 96" - Con seal CS-102 1.00" (Double)<br/>8) PSX - 8QRS-S NYLO</p> |         |                  |           |              | <p>0 lb<br/>4820 lb<br/>26684 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>65 lb<br/>0 lb<br/>52 lb<br/>-----<br/>Structure Total: 31621 lb</p> |                 | <p>Structure Notes:</p> <p>1. PER ASTM C-913 SPECIFICATIONS</p> <p>2. CONCRETE: 4,000 PSI AT 28 DAYS</p> <p>3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)</p> <p>4. HALLIDAY 7' FLOOR &amp; CEILING MOUNT LADDER SUPPLIED BY ICAST</p> <p>5. FLOOR GROUTING BY OTHERS</p> <p>6. LIFTERS: 4 EA. 6CA18 CONAC A-ANCHORS FOR PLANT &amp; FIELD HANDLING - INSTALLED AS SHOWN</p> <p>7. PRIOR TO WALL POUR, PLACE STRIP OF CS-231 1" BUTYL BETWEEN WALLS &amp; FLOOR TO CREATE WATERTIGHT SEAL</p> |           |                                                                                    |        |  |
| <p>FIRST POUR (FLOOR): 7,325 LBS</p> <p>SECOND POUR (WALLS): 19,359 LBS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                  |           |              | <p>Rim: 464.5' Rim to Invert: 7.4' Slack: 0.24" Sump: 4.44" Step Position:</p>                                                                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Elev    | Angle            | Ext. (cw) | Pipe         | Pipe OD                                                                                                                                       | Connector       | Hole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Horz Size | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 458.81' | 90°              | 31"       | 4" DI        | 4.75"                                                                                                                                         | PSX 8QRS-S NYLO | 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8"        | 23"                                                                                | -25"   |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 458.81' | 90°              | 61"       | 4" DI        | 4.75"                                                                                                                                         | PSX 8QRS-S NYLO | 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8"        | 23"                                                                                | 5"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 458.81' | 90°              | 87"       | 4" DI        | 4.75"                                                                                                                                         | PSX 8QRS-S NYLO | 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8"        | 23"                                                                                | 31"    |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 457.1'  | 90°              | 74"       | 3" PVC SCH80 | 3.5"                                                                                                                                          | PSX 8QRS-S NYLO | 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8"        | 1.875"                                                                             | 18"    |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 458.81' | 270°             | 25"       | 4" DI        | 4.75"                                                                                                                                         | PSX 8QRS-S NYLO | 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8"        | 23"                                                                                | -31"   |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 458.81' | 270°             | 51"       | 4" DI        | 4.75"                                                                                                                                         | PSX 8QRS-S NYLO | 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8"        | 23"                                                                                | -5"    |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 457.13' | 270°             | 38"       | 3" PVC SCH80 | 3.5"                                                                                                                                          | PSX 8QRS-S NYLO | 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8"        | 2.25"                                                                              | -18"   |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 458.81' | 270°             | 81"       | 4" DI        | 4.75"                                                                                                                                         | PSX 8QRS-S NYLO | 8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8"        | 23"                                                                                | 25"    |  |

RIGHT-SIDE UP VIEW (int. dimensions)

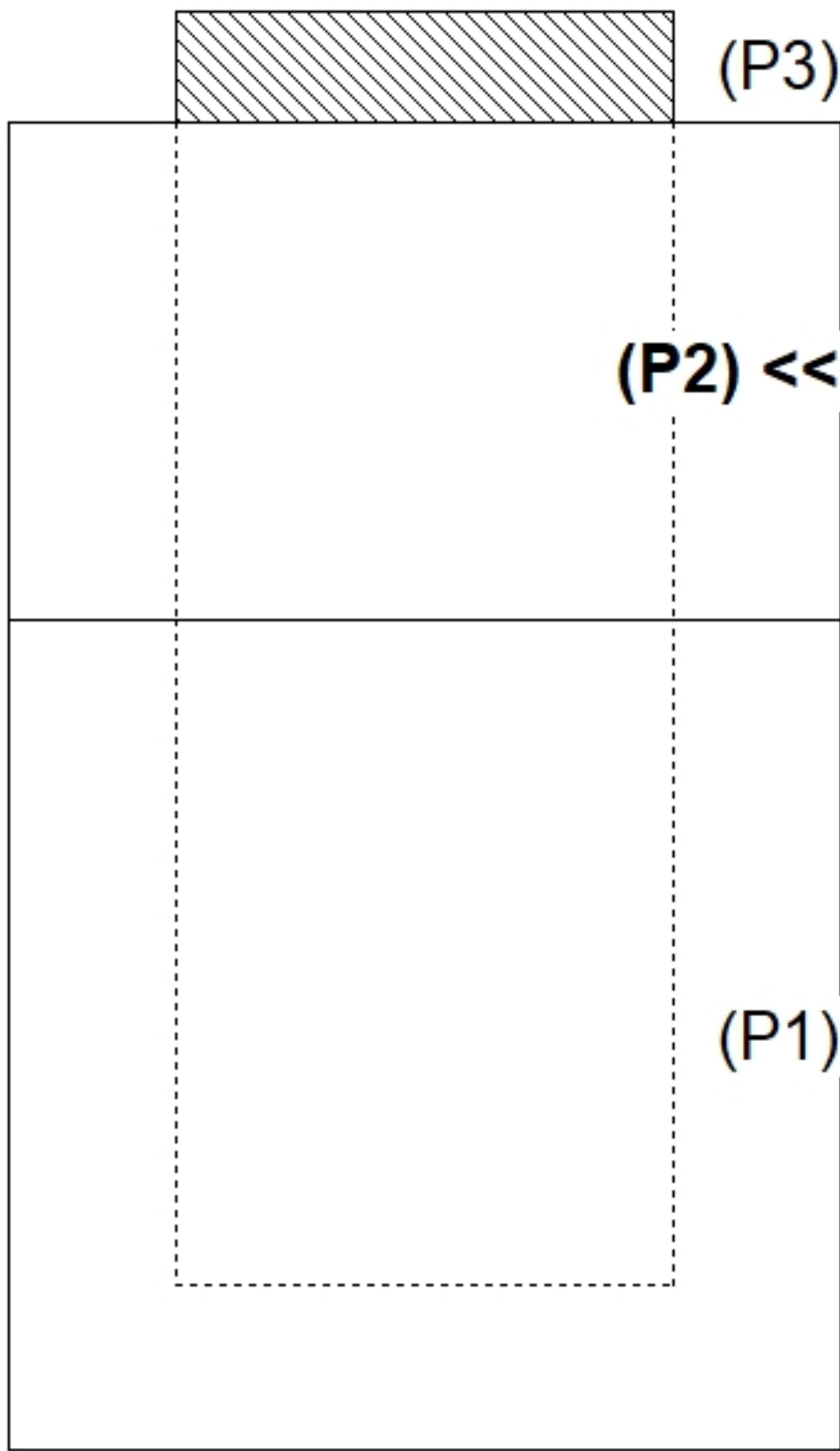
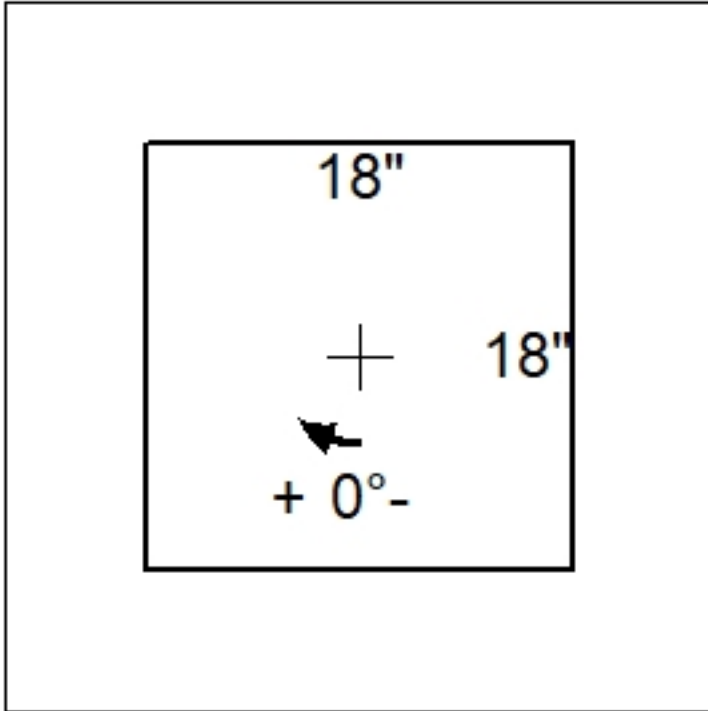
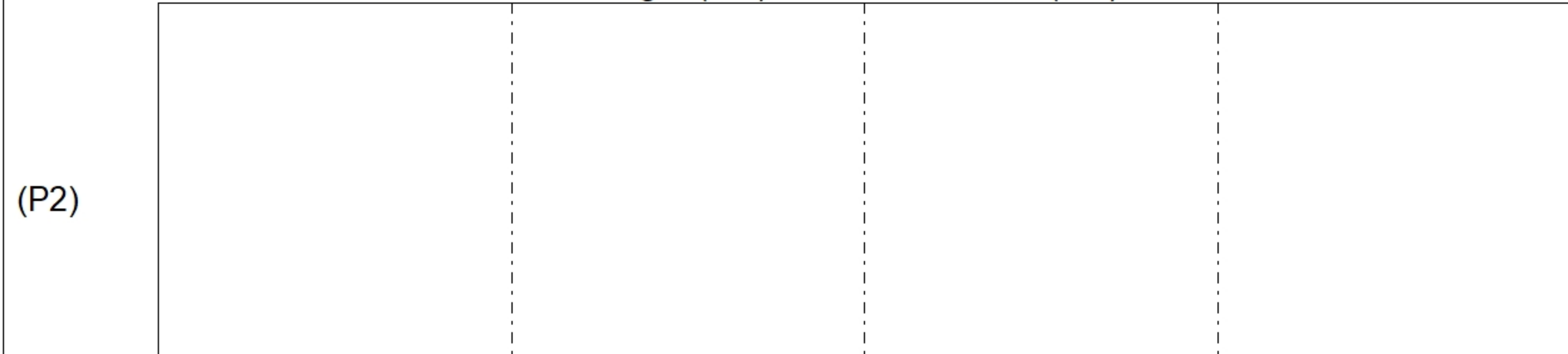
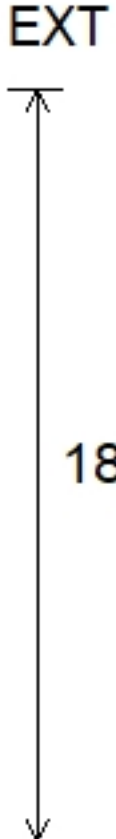


INSIDE WALL DIMENSIONS



|                                  |                               |                                        |                                        |                                                   |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|---------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Flat<br>Seam Dn: n/a | Wall Thickness: 8"<br>Floor Height: 8" | Height (Int): 85"<br>Height (Ext): 93" | Weight (Net): 26684 lb<br>Volume (Net): 6.82cu.yd |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|---------------------------------------------------|

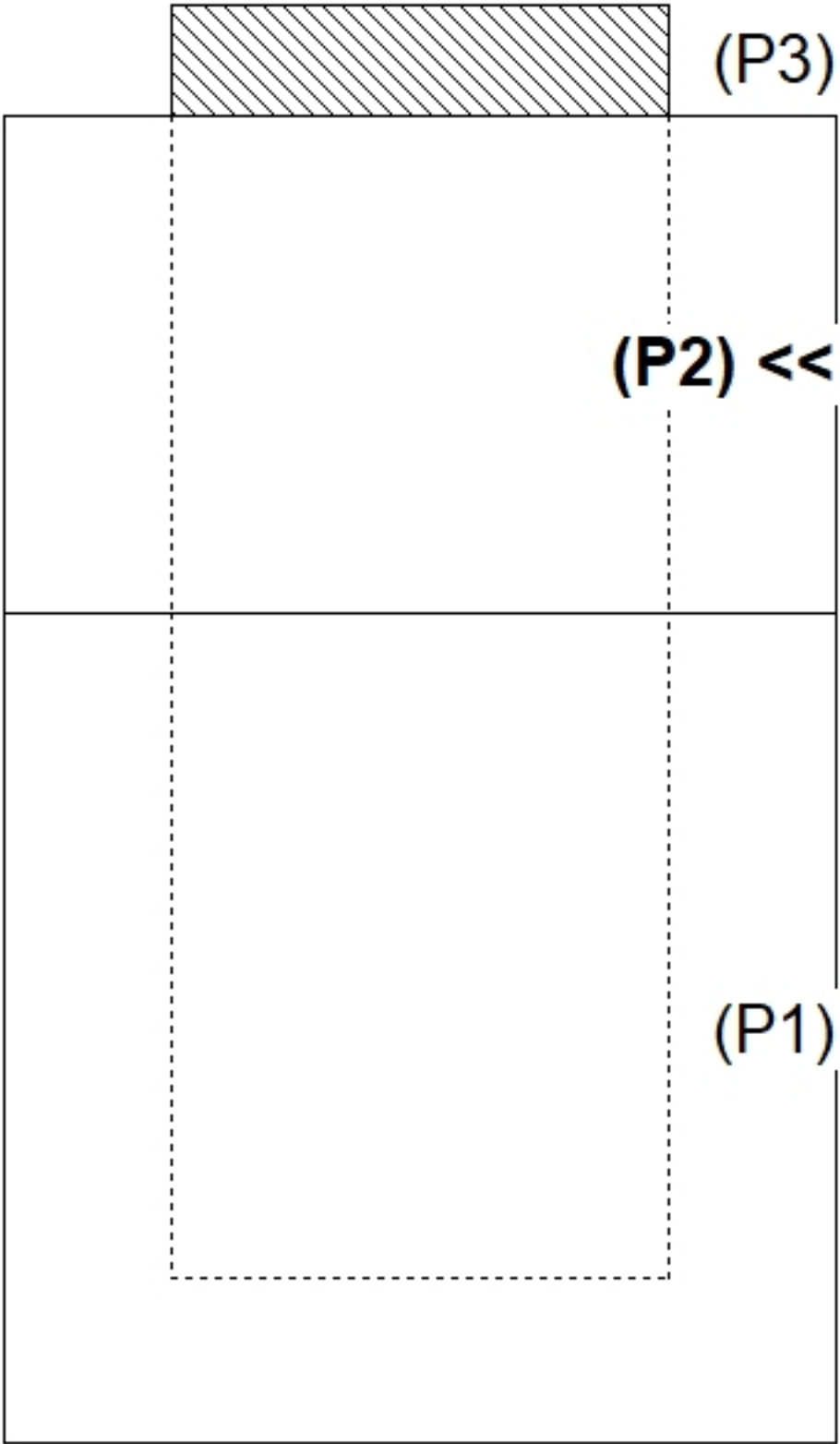
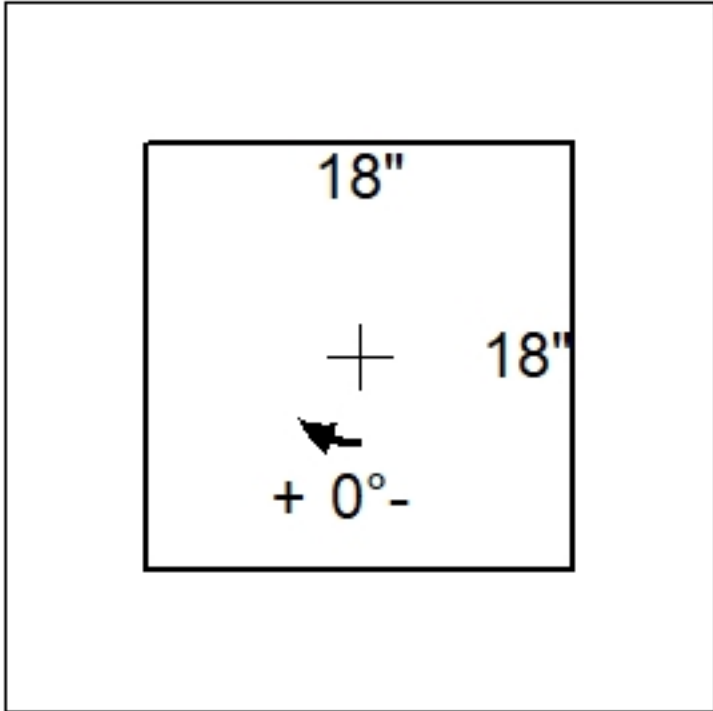


|                                                                                                                                                                                                                                                           |      |                   |           |                                |                                           |                                                                                                   |                                    |                                                                                                                                                                                                                                                                                                                         |                                                                                    |                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|-----------|--------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|--|
| Job Name: 26-2119 512 W Kingston Ave MSD<br>Job Location: Louisville, KY<br>Contractor: TRC, LLC                                                                                                                                                          |      |                   |           |                                | Plant: Beaver Dam<br>7/16/2026 3:43:40 PM |                                                                                                   | Tech: S. Felletter<br>PC: T. Lewis |                                                                                                                                                                                                                                                                                                                         |  |                                                 |  |
| Structure ID: QL3 ST-CB 11                                                                                                                                                                                                                                |      |                   |           |                                |                                           |                                                                                                   |                                    |                                                                                                                                                                                                                                                                                                                         |                                                                                    |                                                 |  |
| P2                                                                                                                                                                                                                                                        |      | BX1818-06R18      |           | BOX RISER 6inW F/F             |                                           |                                                                                                   |                                    |                                                                                                                                                                                                                                                                                                                         |                                                                                    |                                                 |  |
| <div>P3) 18" x 18" - CASTING HEIGHT - 4"<br/>P2) 18" x 18" - BOX RISER 6inW F/F - 18"<br/>P1) 18" x 18" - KNOCKOUT BASE 6"W/F - STOCK F/n - 24"<br/>1) CASTING - HOE 165A F/G<br/>2) 18" x 18" - Conseal CS-102 1.00"</div>                               |      |                   |           |                                |                                           | <div>0 lb<br/>870 lb<br/>1613 lb<br/>138 lb<br/>0 lb<br/>-----<br/>Structure Total: 2621 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 ICAST (HOE 165-A F/G).<br/>.<br/>REINFORCING PER ASTM A615 (GRADE 60).<br/>- WALLS (As .12) #5 BARS AT 12" C.C.E.W.<br/>- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.</div> |                                                                                    |                                                 |  |
| Rim: 3.833'                                                                                                                                                                                                                                               |      | Rim to Invert: 0' |           | Slack: 0"                      |                                           | Sump: 46"                                                                                         |                                    | 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>INSIDE WALL DIMENSIONS</div> <div><div></div><div></div></div>              |      |                   |           |                                |                                           |                                                                                                   |                                    |                                                                                                                                                                                                                                                                                                                         |                                                                                    |                                                 |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                          |      |                   |           | Seam Up: Flat<br>Seam Dn: Flat |                                           | Wall Thickness: 6"<br>Floor Height: 0"                                                            |                                    | Height (Int): 18"<br>Height (Ext): 18"                                                                                                                                                                                                                                                                                  |                                                                                    | Weight (Net): 870 lb<br>Volume (Net): 0.22cu.yd |  |

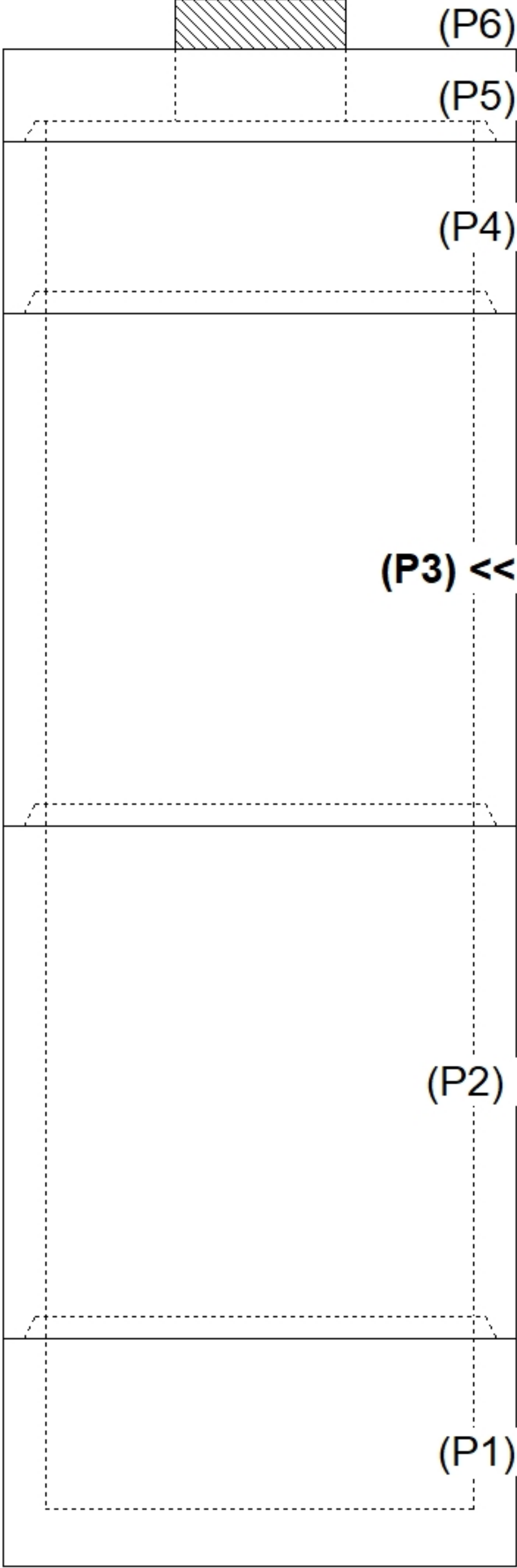
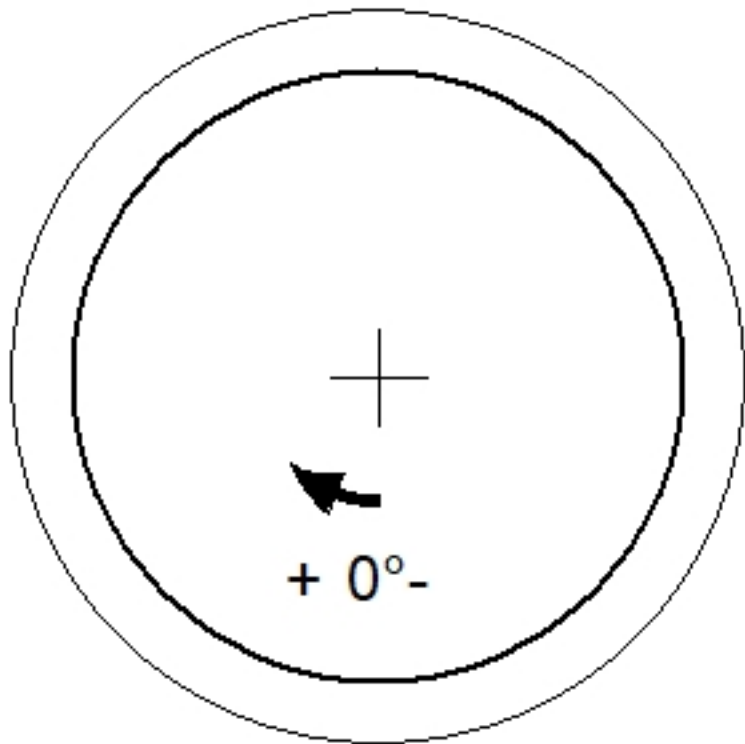
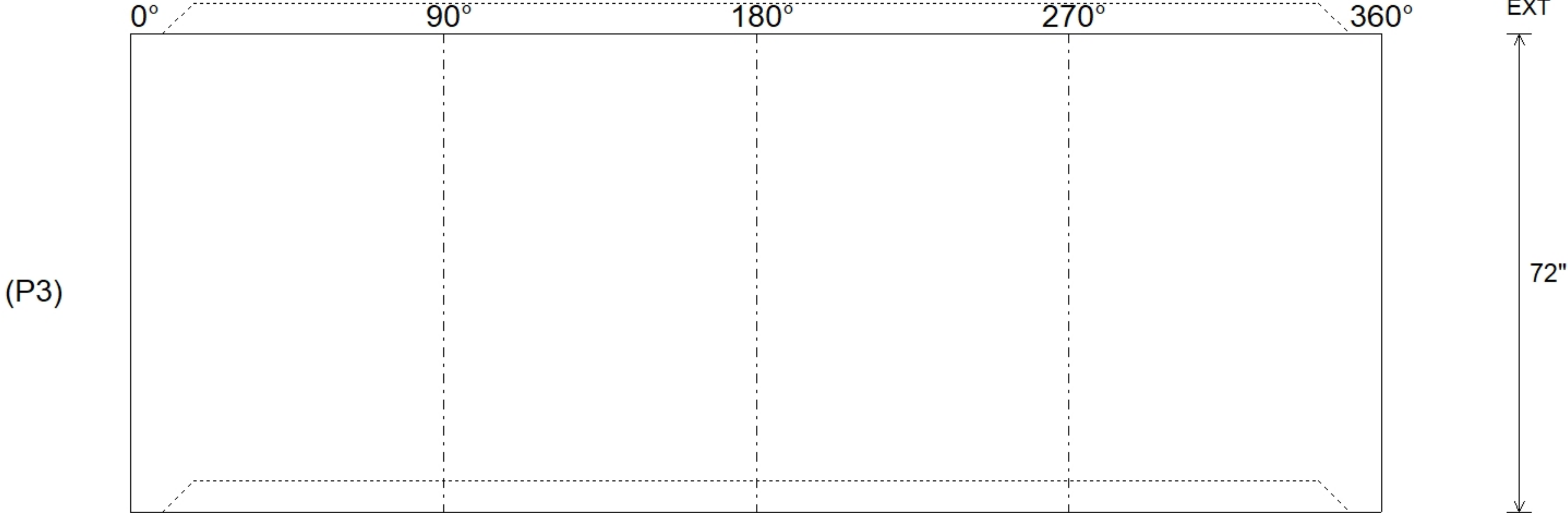


|                                                                                                                                                                                                                                                                                                                |      |       |           |                      |         |                                                                                                                                             |      |                                                                                                                                                                                                                                                                                                                                                                               |        |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------|----------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|
| Job Name: 26-2119 512 W Kingston Ave MSD                                                                                                                                                                                                                                                                       |      |       |           | Plant: Beaver Dam    |         | Tech: S. Felletter                                                                                                                          |      |                                                                                                                                                                                                                                                                                             |        |        |
| Job Location: Louisville, KY                                                                                                                                                                                                                                                                                   |      |       |           | 7/16/2026 3:43:39 PM |         | PC: T. Lewis                                                                                                                                |      |                                                                                                                                                                                                                                                                                                                                                                               |        |        |
| Contractor: TRC, LLC                                                                                                                                                                                                                                                                                           |      |       |           |                      |         |                                                                                                                                             |      |                                                                                                                                                                                                                                                                                                                                                                               |        |        |
| Structure ID: QL3 ST-CB 8                                                                                                                                                                                                                                                                                      |      |       |           |                      |         |                                                                                                                                             |      |                                                                                                                                                                                                                                                                                                                                                                               |        |        |
| P2 BX1818-06R18 BOX RISER 6inW F/F                                                                                                                                                                                                                                                                             |      |       |           |                      |         |                                                                                                                                             |      |                                                                                                                                                                                                                                                                                                                                                                               |        |        |
| <div>P3) 18" x 18" - CASTING HEIGHT - 4"</div> <div>P2) 18" x 18" - BOX RISER 6inW F/F - 18"</div> <div>P1) 18" x 18" - KNOCKOUT BASE 6"W/F - STOCK F/n - 24"</div> <div>1) CASTING - HOE 165A F/G</div> <div>2) 18" x 18" - Conseal CS-102 1.00"</div>                                                        |      |       |           |                      |         | <div>0 lb</div> <div>870 lb</div> <div>1613 lb</div> <div>138 lb</div> <div>0 lb</div> <div>-----</div> <div>Structure Total: 2621 lb</div> |      | <div>Structure Notes:</div> <div>1. PER ASTM C913 SPECIFICATIONS.</div> <div>2. CONCRETE = 4,000 PSI AT 28 DAYS.</div> <div>3. NO INVERT CHANNEL.</div> <div>4. CASTING BY ICAST (HOE 165-A F/G).</div> <div>.</div> <div>REINFORCING PER ASTM A615 (GRADE 60).</div> <div>- WALLS (As .12) #5 BARS AT 12" C.C.E.W.</div> <div>- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.</div> |        |        |
| Rim: 3.833' Rim to Invert: 0' Slack: 0" Sump: 46" 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><div>(P3)</div></div><div><div>(P2) &lt;&lt;</div></div></div><div><div></div><div>(P1)</div></div></div></div></div> <div><div><div><div><div>18"</div><div>+</div><div>18"</div><div>+ 0°-</div></div></div></div></div> |      |       |           |                      |         |                                                                                                                                             |      |                                                                                                                                                                                                                                                                                                                                                                               |        |        |



|                                                                                                                                                                                                              |      |                                                                                       |           |                                           |         |                                                                 |      |                                                                                                                                                                                                                                                                                                   |        |                                                 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|-----------|-------------------------------------------|---------|-----------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------|--|
| Job Name: 26-2119 512 W Kingston Ave MSD<br>Job Location: Louisville, KY<br>Contractor: TRC, LLC                                                                                                             |      |                                                                                       |           | Plant: Beaver Dam<br>7/16/2026 3:43:39 PM |         | Tech: S. Felletter<br>PC: T. Lewis                              |      |                                                                                                                                                                                                                 |        |                                                 |  |
| Structure ID: QL3 ST-CB 5                                                                                                                                                                                    |      |                                                                                       |           |                                           |         |                                                                 |      |                                                                                                                                                                                                                                                                                                   |        |                                                 |  |
| P2                                                                                                                                                                                                           |      | BX1818-06R18                                                                          |           | BOX RISER 6inW F/F                        |         |                                                                 |      |                                                                                                                                                                                                                                                                                                   |        |                                                 |  |
| P3) 18" x 18" - CASTING HEIGHT - 4"<br>P2) 18" x 18" - BOX RISER 6inW F/F - 18"<br>P1) 18" x 18" - KNOCKOUT BASE 6"W/F - STOCK F/n - 24"<br>1) CASTING - HOE 165A F/G<br>2) 18" x 18" - Conseal CS-102 1.00" |      |                                                                                       |           |                                           |         | 0 lb<br>870 lb<br>1613 lb<br>138 lb<br>0 lb<br>-----<br>2621 lb |      | 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 ICAST (HOE 165-A F/G).<br><br>REINFORCING PER ASTM A615 (GRADE 60).<br>- WALLS (As .12) #5 BARS AT 12" C.C.E.W.<br>- FLOOR (As .12) #5 BARS AT 12" C.C.E.W. |        |                                                 |  |
| Rim: 3.833' Rim to Invert: 0' Slack: 0" Sump: 46" 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)                                                                                                                                                                                                         |      | <div>FrontRight (18")Back (18")Left</div>                                             |           |                                           |         | <div>EXT18"</div>                                               |      |                                                                                                                                                                                                                                                                                                   |        |                                                 |  |
|                                                                                                                                                                                                              |      | <div></div>                                                                           |           |                                           |         |                                                                 |      |                                                                                                                                                                                                                                                                                                   |        |                                                 |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                             |      |                                                                                       |           | Seam Up: Flat<br>Seam Dn: Flat            |         | Wall Thickness: 6"<br>Floor Height: 0"                          |      | Height (Int): 18"<br>Height (Ext): 18"                                                                                                                                                                                                                                                            |        | Weight (Net): 870 lb<br>Volume (Net): 0.22cu.yd |  |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |       |                                                                                       |      |                                          |                                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|---------------------------------------------------------------------------------------|------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|--|--|
| Job Name: 26-2736 ADS UA Local 52<br>Job Location: Louisville, KY<br>Contractor: ADS Advanced Drainage Systems, Inc.                                                                                                                                                                                                                                                                                                                                                                                    |      |       |                                                                                       |      | Plant: Beaver Dam<br>7/9/2026 9:09:21 AM |                                                                                                                                              | Tech: S. Felletter<br>PC: T. Ryan      |                                                                                                                                                                                                                                                                                                                                     |  |        |  |  |  |
| Structure ID: S110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       |                                                                                       |      |                                          |                                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| P3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       | MH060RS72                                                                             |      |                                          | MH RISER T/G                                                                                                                                 |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| <div>P6) 24" - CASTING HEIGHT - 7"<br/>P5) 60" - MH FLAT TOP w/24" Ctr. Hole F/G - 13"<br/>P4) 60" - MH RISER T/G - 24"<br/>P3) 60" - MH RISER T/G - 72"<br/>P2) 60" - MH RISER T/G - 72"<br/>P1) 60" - MH BASE T/n - 24"<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/>4) 60" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>2) Hole - 12</div> |      |       |                                                                                       |      |                                          | <div>0 lb<br/>2674 lb<br/>2505 lb<br/>7516 lb<br/>7402 lb<br/>5239 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>271 lb<br/>0 lb<br/>0 lb<br/>0 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 .18)<br/>- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.</div> |                                                                                    |        |  |  |  |
| Rim: 549.66' Rim to Invert: 11.04' Slack: 1.48" Sump: 81" Step Position:                                                                                                                                                                                                                                                                                                                                                                                                                                |      |       |                                                                                       |      |                                          | Structure Total: 25607 lb                                                                                                                    |                                        |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |  |  |  |
| 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: 6"<br>Floor Height: 0"   |                                                                                                                                              | Height (Int): 72"<br>Height (Ext): 72" |                                                                                                                                                                                                                                                                                                                                     | Weight (Net): 7516 lb<br>Volume (Net): 1.92cu.yd                                   |        |  |  |  |



Job Name: 25-4288 - Project Wave

Job Location: Franklin, KY 42134

Contractor: Cumberland Pipeline LLC

Plant: 100

7/10/2026 8:13:01 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: A13

P1 MH048BA24X

MH BASE w/XYPEX

P6) 24" - CASTING HEIGHT - 7"

P5) 24" - XYPEX GRADE RING - 4"

P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 36"

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

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

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)

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

3) PSX - 12-08 NYLO

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

0 lb

270 lb

2251 lb

3353 lb

3353 lb

2863 lb

0 lb

0 lb

1440 lb

250 lb

0 lb

0 lb

24 lb

0 lb

-----

Structure Total: 13805 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: 728.52' Rim to Invert: 13.78' Slack: 0.36" Sump: 2" Step Position: 0°

| Position | Elev    | Angle | Ext. (cw) | Pipe         | Pipe OD | Connector      | Hole | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|--------------|---------|----------------|------|-----------|--------|--------|
| Invert 1 | 714.74' | 0°    | 0"        | 8" PVC SDR35 | 8.5"    | PSX 12-08 NYLO | 12"  | 12.129"   | 0"     | 0"     |
| Invert 2 | 714.84' | 180°  | 91.106"   | 8" PVC SDR35 | 8.5"    | PSX 12-08 NYLO | 12"  | 12.129"   | 1.2"   | 0"     |
| Invert 3 | 714.84' | 270°  | 136.659"  | 8" PVC SDR35 | 8.5"    | PSX 12-08 NYLO | 12"  | 12.129"   | 1.2"   | 0"     |
| Invert 4 |         |       |           |              |         |                |      |           |        |        |
| Invert 5 |         |       |           |              |         |                |      |           |        |        |
| Invert 6 |         |       |           |              |         |                |      |           |        |        |
| Invert 7 |         |       |           |              |         |                |      |           |        |        |
| Invert 8 |         |       |           |              |         |                |      |           |        |        |

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

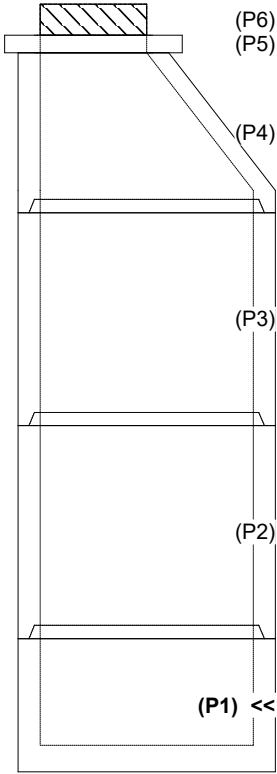
Height (Int): 24"

Height (Ext): 30"

Weight (Net): 2863 lb

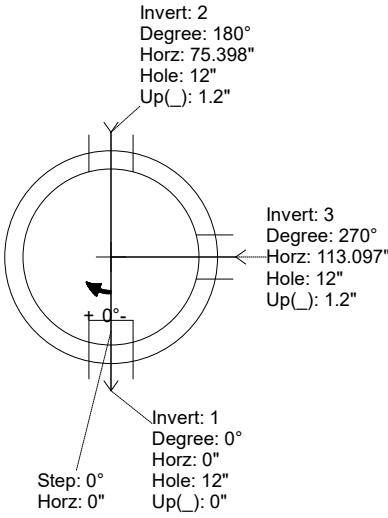
Volume (Net): 0.73cu.yd

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |                 |           |              |                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                                                                        |           |                                                                                    |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|
| Job Name: 25-4288 - Project Wave<br>Job Location: Franklin, KY 42134<br>Contractor: Cumberland Pipeline LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                 |           |              | Plant: 100<br>7/10/2026 8:13:01 AM                                                                                                                                                    |                | Tech: Jared - A<br>PC: Erica Bradley                                                                                                                                                                                                                                                                                   |           |  |        |
| Structure ID: A13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                 |           |              |                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                                                                        |           |                                                                                    |        |
| P1 MH048BA24X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | MH BASE w/XYPEX |           |              |                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                                                                        |           |                                                                                    |        |
| <p>P6) 24" - CASTING HEIGHT - 7"<br/>P5) 24" - XYPEX GRADE RING - 4"<br/>P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 36"<br/>P3) 48" - MH RISER w/XYPEX - 48"<br/>P2) 48" - MH RISER w/XYPEX - 48"<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/>2) 24" - Conseal CS-102 1.00" (Double)<br/>3) PSX - 12-08 NYLO<br/>13) MH Step ML-10-TDS-NCR - 10"</p> |         |                 |           |              | <p>0 lb<br/>270 lb<br/>2251 lb<br/>3353 lb<br/>3353 lb<br/>2863 lb<br/>0 lb<br/>0 lb<br/>1440 lb<br/>250 lb<br/>0 lb<br/>0 lb<br/>24 lb<br/>0 lb</p> <p>Structure Total: 13805 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> <p>INVERT CHANNEL DRAWING<br/>FULL HEIGHT INVERT</p> |           |                                                                                    |        |
| Rim: 728.52' Rim to Invert: 13.78' Slack: 0.36" Sump: 2" Step Position: 0°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                 |           |              |                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                                                                        |           |                                                                                    |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Elev    | Angle           | Ext. (cw) | Pipe         | Pipe OD                                                                                                                                                                               | Connector      | Hole                                                                                                                                                                                                                                                                                                                   | Horz Size | Up ( )                                                                             | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 714.74' | 0°              | 0"        | 8" PVC SDR35 | 8.5"                                                                                                                                                                                  | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                    | 12.129"   | 0"                                                                                 | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 714.84' | 180°            | 91.106"   | 8" PVC SDR35 | 8.5"                                                                                                                                                                                  | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                    | 12.129"   | 1.2"                                                                               | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 714.84' | 270°            | 136.659"  | 8" PVC SDR35 | 8.5"                                                                                                                                                                                  | PSX 12-08 NYLO | 12"                                                                                                                                                                                                                                                                                                                    | 12.129"   | 1.2"                                                                               | 0"     |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                 |           |              |                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                                                                        |           |                                                                                    |        |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                 |           |              |                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                                                                        |           |                                                                                    |        |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                 |           |              |                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                                                                        |           |                                                                                    |        |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                 |           |              |                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                                                                        |           |                                                                                    |        |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                 |           |              |                                                                                                                                                                                       |                |                                                                                                                                                                                                                                                                                                                        |           |                                                                                    |        |



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

RIGHT-SIDE UP VIEW (int. dimensions)



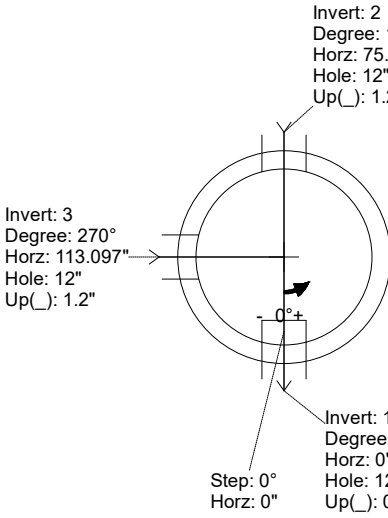
Invert: 2  
Degree: 180°  
Horz: 75.398"  
Hole: 12"  
Up( ): 1.2"

Invert: 3  
Degree: 270°  
Horz: 113.097"  
Hole: 12"  
Up( ): 1.2"

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

Step: 0°  
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)



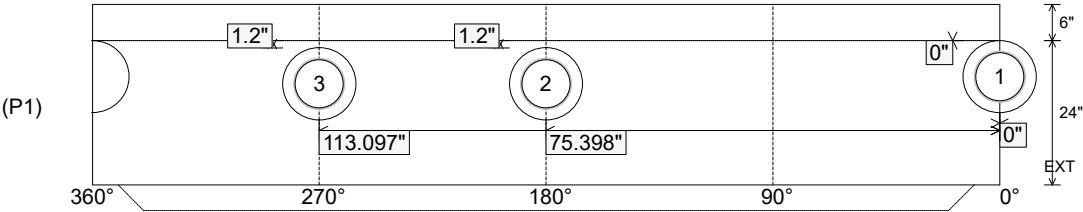
Invert: 2  
Degree: 180°  
Horz: 75.398"  
Hole: 12"  
Up( ): 1.2"

Invert: 3  
Degree: 270°  
Horz: 113.097"  
Hole: 12"  
Up( ): 1.2"

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

Step: 0°  
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

1.2" 1.2" 0"

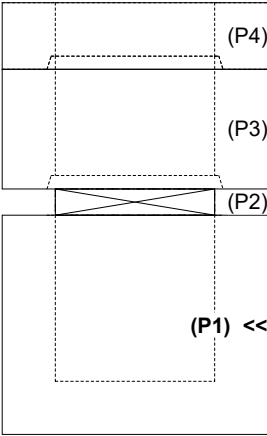
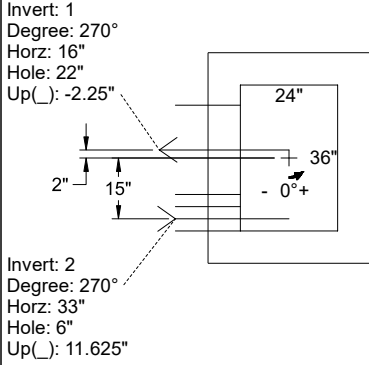
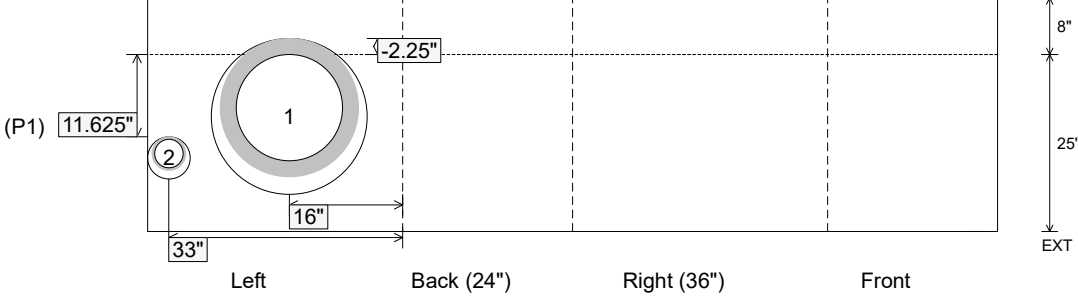
113.097" 75.398"

360° 270° 180° 90° 0°

6" 24" EXT

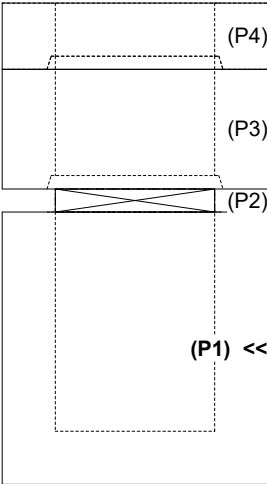
|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| 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): 2863 lb<br>Volume (Net): 0.73cu.yd |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|



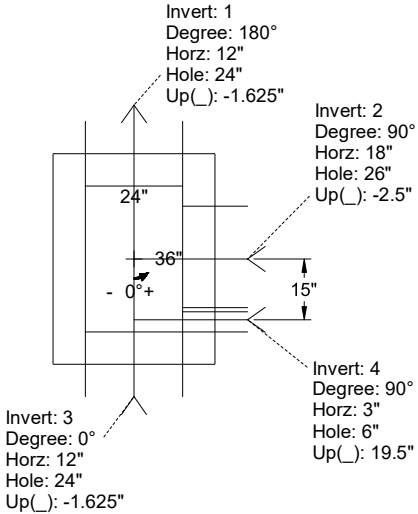
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-------------------------------|---------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| 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 7:35:48 AM |                                                                                                                              | Tech: J. Horsley<br>PC: C. Goff        |                                                                                                                                                                                                                                                                                                                                                                            |  |        |  |
| Structure ID: 208                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| 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 - 22<br/>1) Hole - 6</p> |         |       |                               |                     |                                           | <p>3398 lb<br/>5270 lb<br/>0 lb<br/>3678 lb<br/>206 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>Structure Total: 12552 lb</p> |                                        | <p>Structure Notes:<br/>** KYTC STATE PROJECT **<br/>STATION: 414+00 LT<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: 561.12' 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                                                                                                                                                                                                                                                                                                                                                                                                                                | 556.37' | 270°  | 24"                           | 15" RCP B WALL      | 19.5"                                     | Hole 22                                                                                                                      | 22"                                    | 22"                                                                                                                                                                                                                                                                                                                                                                        | -2.25"                                                                             | -2"    |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                | 557.37' | 270°  | 41"                           | 4" HDPE (perf pipe) | 4.8"                                      | Hole 6                                                                                                                       | 6"                                     | 6"                                                                                                                                                                                                                                                                                                                                                                         | 11.625"                                                                            | 15"    |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)                                                                                                                                                                                                                                                                                                                                                                  |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| <div></div> <div></div>                                                                                                                                                                                                                                         |         |       |                               |                     |                                           |                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| 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): 3678 lb<br>Volume (Net): 0.94cu.yd                                   |        |  |

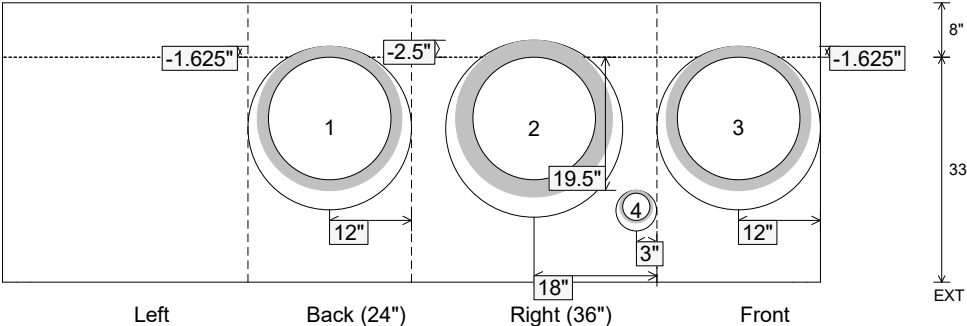
|                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |              |           |                                      |                                           |                                                                                         |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|-----------|--------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| 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 7:35:46 AM |                                                                                         | Tech: J. Horsley<br>PC: C. Goff |                                                                                                                                                                                                                                                                                                                                                                            |  |        |  |
| Structure ID: 207                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |              |           |                                      |                                           |                                                                                         |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| P1                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         | BX2436-08BVF |           | BOX BASE 8inW, 8inF, Variable Ht F/n |                                           |                                                                                         |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| <p>P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10"<br/>P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18"<br/>P2) 24" x 36" - FIELD ADJUSTMENT - 3.5"<br/>P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 33"<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 - 24<br/>1) Hole - 26<br/>1) Hole - 6</p> |         |              |           |                                      |                                           | 3400 lb<br>5270 lb<br>0 lb<br>3985 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: 412+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: 564.04' Rim to Invert: 5.41' Slack: 0.42" Sump: 0" Step Position:                                                                                                                                                                                                                                                                                                                                                                                   |         |              |           |                                      |                                           | Structure Total: 12860 lb                                                               |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Elev    | Angle        | Ext. (cw) | Pipe                                 | Pipe OD                                   | Connector                                                                               | Hole                            | Horz Size                                                                                                                                                                                                                                                                                                                                                                  | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 558.63' | 180°         | 20"       | 18" HDPE                             | 21.2"                                     | Hole 24                                                                                 | 24"                             | 24"                                                                                                                                                                                                                                                                                                                                                                        | -1.625"                                                                            | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 558.63' | 90°          | 26"       | 18" RCP B WALL                       | 23"                                       | Hole 26                                                                                 | 26"                             | 26"                                                                                                                                                                                                                                                                                                                                                                        | -2.5"                                                                              | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 558.63' | 0°           | 20"       | 18" HDPE                             | 21.2"                                     | Hole 24                                                                                 | 24"                             | 24"                                                                                                                                                                                                                                                                                                                                                                        | -1.625"                                                                            | 0"     |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 560.29' | 90°          | 11"       | 4" HDPE (perf pipe)                  | 4.8"                                      | Hole 6                                                                                  | 6"                              | 6"                                                                                                                                                                                                                                                                                                                                                                         | 19.5"                                                                              | -15"   |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |              |           |                                      |                                           |                                                                                         |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |              |           |                                      |                                           |                                                                                         |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |              |           |                                      |                                           |                                                                                         |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |              |           |                                      |                                           |                                                                                         |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

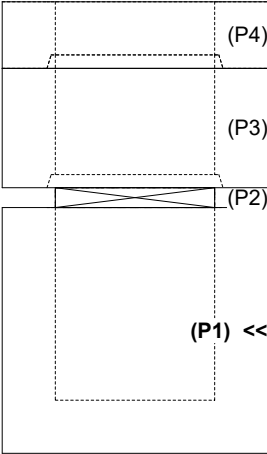


|                      |                                                                                      |  |  |  |
|----------------------|--------------------------------------------------------------------------------------|--|--|--|
| <p>(P1) &lt;&lt;</p> | INSIDE WALL DIMENSIONS                                                               |  |  |  |
|                      |  |  |  |  |

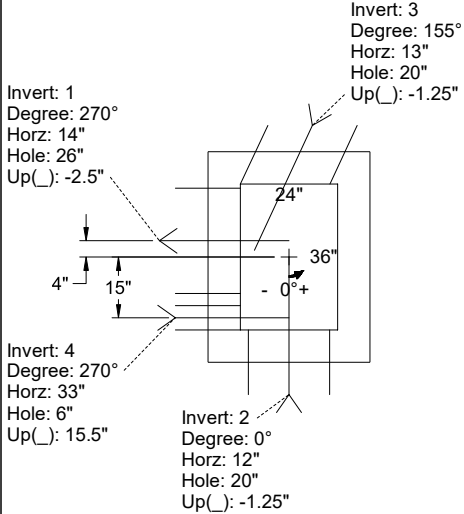
|                                  |                               |                                        |                                        |                                                  |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Flat<br>Seam Dn: n/a | Wall Thickness: 8"<br>Floor Height: 8" | Height (Int): 33"<br>Height (Ext): 41" | Weight (Net): 3985 lb<br>Volume (Net): 1.02cu.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 7:35:40 AM |                                                                                                                      | Tech: J. Horsley<br>PC: C. Goff |                                                                                                                                                                                                                                                                                                                                                                            |  |        |  |
| Structure ID: 202                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |              |           |                                      |                                           |                                                                                                                      |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| 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 - 26<br/>2) Hole - 20<br/>1) Hole - 6</p> |         |              |           |                                      |                                           | 3398 lb<br>5270 lb<br>0 lb<br>3541 lb<br>206 lb<br>0 lb<br>0 lb<br>0 lb<br>0 lb<br>0 lb<br>Structure Total: 12415 lb |                                 | <p>Structure Notes:<br/>** KYTC STATE PROJECT **<br/>STATION: 410+10 LT<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: 565.84' Rim to Invert: 5.08' Slack: 0.96" Sump: 0" Step Position:                                                                                                                                                                                                                                                                                                                                                                                   |         |              |           |                                      |                                           |                                                                                                                      |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Elev    | Angle        | Ext. (cw) | Pipe                                 | Pipe OD                                   | Connector                                                                                                            | Hole                            | Horz Size                                                                                                                                                                                                                                                                                                                                                                  | Up ( _ )                                                                           | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 560.76' | 270°         | 22"       | 18" RCP B WALL                       | 23"                                       | Hole 26                                                                                                              | 26"                             | 26"                                                                                                                                                                                                                                                                                                                                                                        | -2.5"                                                                              | -4"    |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 560.76' | 0°           | 20"       | 15" HDPE                             | 17.6"                                     | Hole 20                                                                                                              | 20"                             | 20"                                                                                                                                                                                                                                                                                                                                                                        | -1.25"                                                                             | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 560.76' | 155°         | 17.25"    | 15" HDPE                             | 17.6"                                     | Hole 20                                                                                                              | 20"                             | 22.068"                                                                                                                                                                                                                                                                                                                                                                    | -1.25"                                                                             | 8.47"  |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 562.09' | 270°         | 41"       | 4" HDPE (perf pipe)                  | 4.8"                                      | Hole 6                                                                                                               | 6"                              | 6"                                                                                                                                                                                                                                                                                                                                                                         | 15.5"                                                                              | 15"    |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |              |           |                                      |                                           |                                                                                                                      |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |              |           |                                      |                                           |                                                                                                                      |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |              |           |                                      |                                           |                                                                                                                      |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |              |           |                                      |                                           |                                                                                                                      |                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    |        |  |

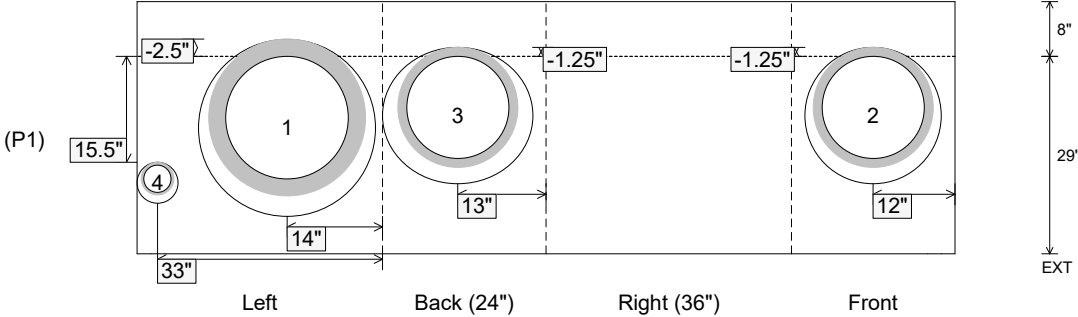
RIGHT-SIDE UP VIEW (int. dimensions)



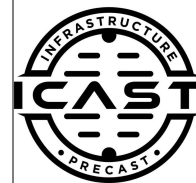
UPSIDE-DOWN VIEW (int. dimensions)



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): 29"<br>Height (Ext): 37" | Weight (Net): 3541 lb<br>Volume (Net): 0.9cu.yd |
|----------------------------------|-------------------------------|----------------------------------------|----------------------------------------|-------------------------------------------------|

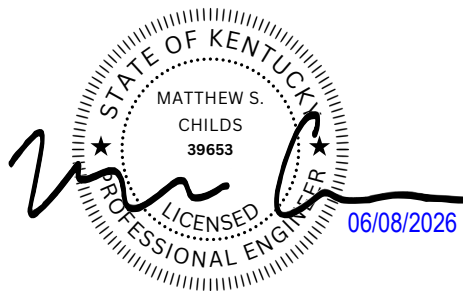


**BOX CULVERT (12W/12F/12T) T/G**

|                          |
|--------------------------|
| 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

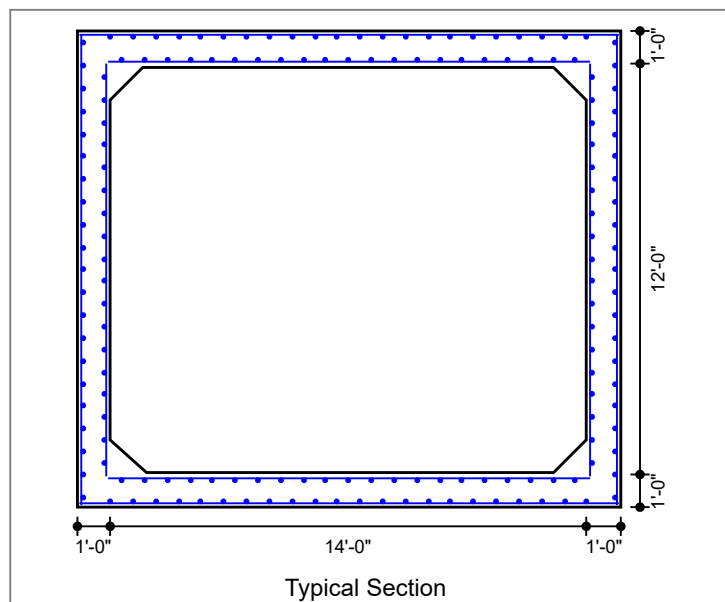
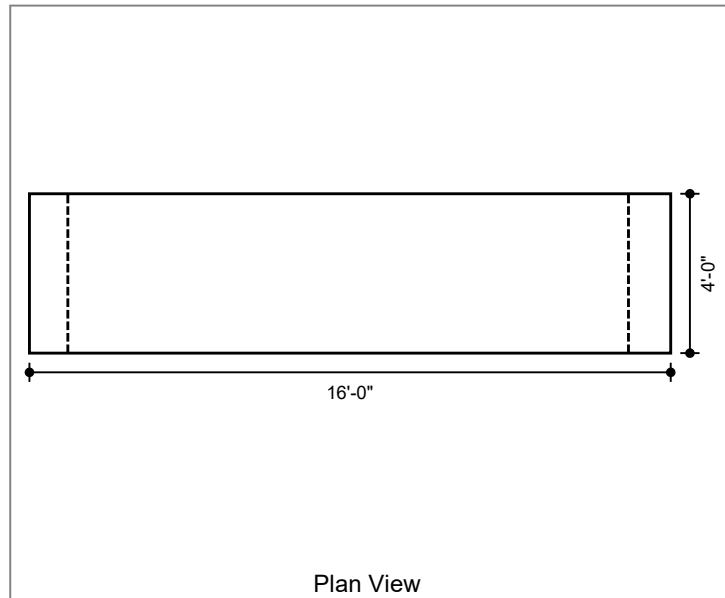
## Loads

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: \_\_\_\_\_

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p. 2 of 2

## Concrete Summary

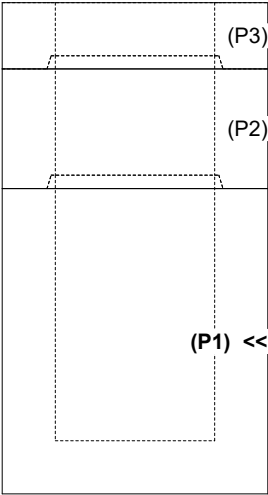
Volume of Concrete: 2.148 cy/ft Total Volume of Concrete: 8.593 cy

## Reinforcing Steel Bar Schedule (lb)

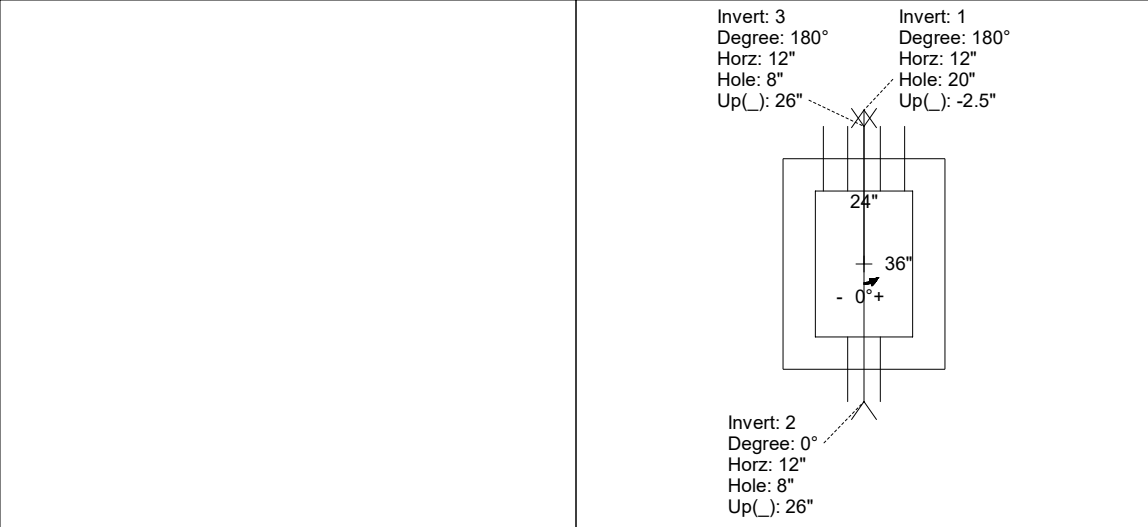
| Location           | Mark       | Sheets Included | As Provided |
|--------------------|------------|-----------------|-------------|
| Top Slab(Int)      | A100 (AS2) | Top             | 1.200       |
| Bot Slab(Int)      | A200 (AS3) | Bot             | 1.290       |
| Top Slab(Ext)      | A300 (AS7) | 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       |

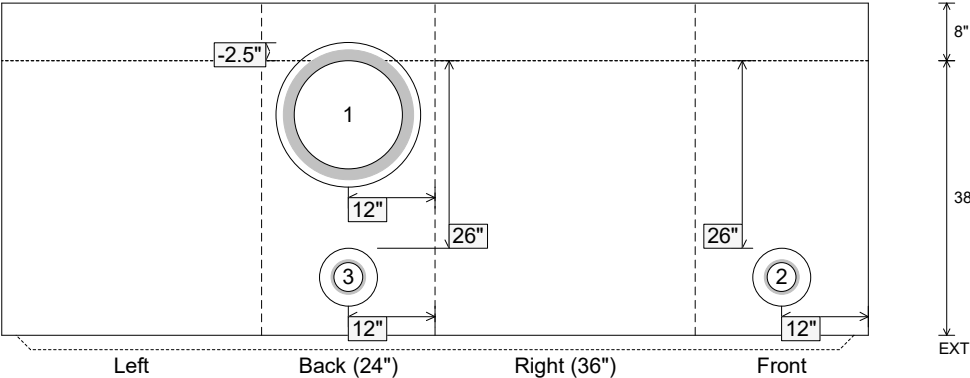
|                                                                                                                                                                                                                                                                                                                                                                                                  |         |       |           |                     |                                   |                                                                                                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|---------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)<br>Job Location: Independence, KY<br>Contractor: Eaton Asphalt                                                                                                                                                                                                                                                                              |         |       |           |                     | Plant: 100<br>6/4/2026 4:51:01 PM |                                                                                                                        | Tech: Jared - A<br>PC: J. Jarvis |                                                                                                                                                                                                                                                                                                                                                                                         |  |        |  |
| Structure ID: 568                                                                                                                                                                                                                                                                                                                                                                                |         |       |           |                     |                                   |                                                                                                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |        |  |
| P1 BX2436-08BVF BOX BASE 8inW, 8inF, Variable Ht T/n                                                                                                                                                                                                                                                                                                                                             |         |       |           |                     |                                   |                                                                                                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |        |  |
| <p>P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10"<br/>P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18"<br/>P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 38"</p> <p>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/>1) 24" x 36" - Conseal CS-102 1.00"<br/>1) Hole - 20<br/>2) Hole - 8</p> |         |       |           |                     |                                   | <p>3398 lb<br/>5270 lb<br/>4995 lb<br/>206 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb</p> <p>Structure Total: 13869 lb</p> |                                  | <p>Structure Notes:<br/>** KYTC STATE PROJECT **</p> <p>1. PER KYTC CBI TY 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. NO STORM INVERT<br/>5. NO STEPS<br/>6. KY-206 FRAME &amp; COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP</p> |                                                                                    |        |  |
| Rim: 854.04' Rim to Invert: 5.58' Slack: 0.96" Sump: 0" Step Position:                                                                                                                                                                                                                                                                                                                           |         |       |           |                     |                                   |                                                                                                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                         | Elev    | Angle | Ext. (cw) | Pipe                | Pipe OD                           | Connector                                                                                                              | Hole                             | Horz Size                                                                                                                                                                                                                                                                                                                                                                               | Up ( _ )                                                                           | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                         | 848.46' | 180°  | 20"       | 15" ADS N-12        | 18"                               | Hole 20                                                                                                                | 20"                              | 20"                                                                                                                                                                                                                                                                                                                                                                                     | -2.5"                                                                              | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                         | 850.79' | 0°    | 20"       | 4" HDPE (perf pipe) | 4.8"                              | Hole 8                                                                                                                 | 8"                               | 8"                                                                                                                                                                                                                                                                                                                                                                                      | 26"                                                                                | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                         | 850.79' | 180°  | 20"       | 4" HDPE (perf pipe) | 4.8"                              | Hole 8                                                                                                                 | 8"                               | 8"                                                                                                                                                                                                                                                                                                                                                                                      | 26"                                                                                | 0"     |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |                     |                                   |                                                                                                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |                     |                                   |                                                                                                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |                     |                                   |                                                                                                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |                     |                                   |                                                                                                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                         |         |       |           |                     |                                   |                                                                                                                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |        |  |

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

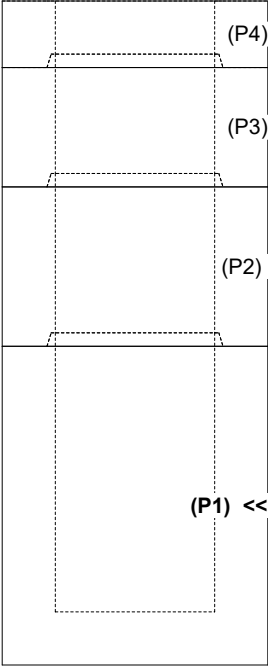


|                                  |                                                                                      |                                        |                                        |                                                  |
|----------------------------------|--------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| <p>(P1) &lt;&lt;</p>             | INSIDE WALL DIMENSIONS                                                               |                                        |                                        |                                                  |
|                                  |  |                                        |                                        |                                                  |
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: n/a                                                      | Wall Thickness: 8"<br>Floor Height: 8" | Height (Int): 38"<br>Height (Ext): 46" | Weight (Net): 4995 lb<br>Volume (Net): 1.28cu.yd |

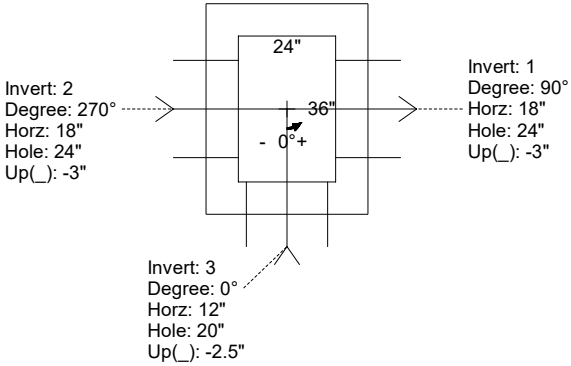


|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |       |           |                                      |         |                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                                      |        |        |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|--------------------------------------|---------|---------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--|--|
| Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)<br>Job Location: Independence, KY<br>Contractor: Eaton Asphalt                                                                                                                                                                                                                                                                                                                                         |         |       |           | Plant: 100<br>6/4/2026 4:50:59 PM    |         | Tech: Jared - A<br>PC: J. Jarvis                                                                        |      |                                                                                                                                                                                                                                                                                                    |        |        |  |  |
| Structure ID: 567                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |       |           |                                      |         |                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                                      |        |        |  |  |
| P1 BX2436-08BVF                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |       |           | BOX BASE 8inW, 8inF, Variable Ht T/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" - BOX RISER 8inW T/G - 24"<br/>P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 40"<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 - 24<br/>1) Hole - 20<br/>2) Hole - 8</p> |         |       |           |                                      |         | 3398 lb<br>5270 lb<br>2381 lb<br>4660 lb<br>206 lb<br>0 lb<br>0 lb<br>0 lb<br>0 lb<br>-----<br>15915 lb |      | <p>Structure Notes:<br/>** KYTC STATE PROJECT **<br/>1. PER KYTC CBI TY 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. NO STORM INVERT<br/>5. NO STEPS<br/>6. KY-206 FRAME &amp; COVER "STORM" SUPPLIED BY iCAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP</p> |        |        |  |  |
| Rim: 854.04' Rim to Invert: 7.67' Slack: 0.04" Sump: 0" Step Position:                                                                                                                                                                                                                                                                                                                                                                                      |         |       |           |                                      |         |                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                                      |        |        |  |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Elev    | Angle | Ext. (cw) | Pipe                                 | Pipe OD | Connector                                                                                               | Hole | Horz Size                                                                                                                                                                                                                                                                                                                                                                            | Up ( ) | Offset |  |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 846.37' | 90°   | 26"       | 18" ADS N-12                         | 22"     | Hole 24                                                                                                 | 24"  | 24"                                                                                                                                                                                                                                                                                                                                                                                  | -3"    | 0"     |  |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 846.37' | 270°  | 26"       | 18" ADS N-12                         | 22"     | Hole 24                                                                                                 | 24"  | 24"                                                                                                                                                                                                                                                                                                                                                                                  | -3"    | 0"     |  |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 846.37' | 0°    | 20"       | 15" ADS N-12                         | 18"     | Hole 20                                                                                                 | 20"  | 20"                                                                                                                                                                                                                                                                                                                                                                                  | -2.5"  | 0"     |  |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |                                      |         |                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                                      |        |        |  |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |                                      |         |                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                                      |        |        |  |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |                                      |         |                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                                      |        |        |  |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |                                      |         |                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                                      |        |        |  |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |                                      |         |                                                                                                         |      |                                                                                                                                                                                                                                                                                                                                                                                      |        |        |  |  |

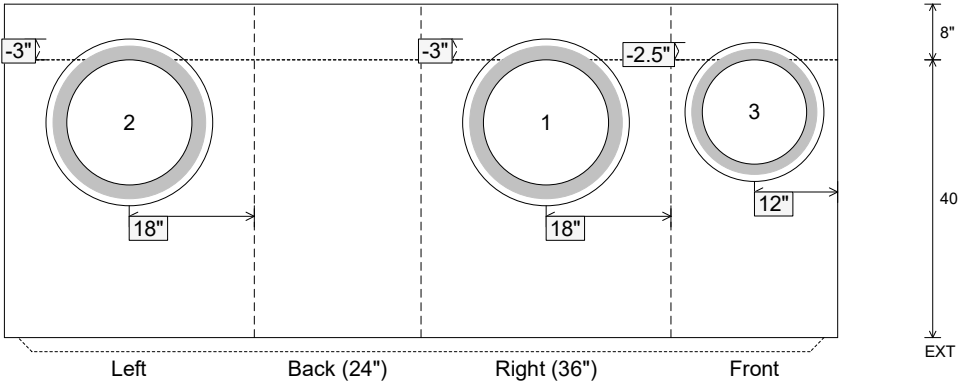
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: n/a | Wall Thickness: 8"<br>Floor Height: 8" | Height (Int): 40"<br>Height (Ext): 48" | Weight (Net): 4660 lb<br>Volume (Net): 1.19cu.yd |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|

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

Plant: Beaver Dam  
6/1/2026 8:23:16 AM

Tech: J. Coppage  
PC: C. Goff



Structure ID: AD-4

P1 BX3232-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P2) 32" x 32" - RECESS/GRATE SEAT - 2"  
P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 36"  
1) CASTING - JBS 4200 Grate  
1) 32" x 32" - Conseal CS-102 1.00"  
1) Hole - 25

Structure Total: 5543 lb

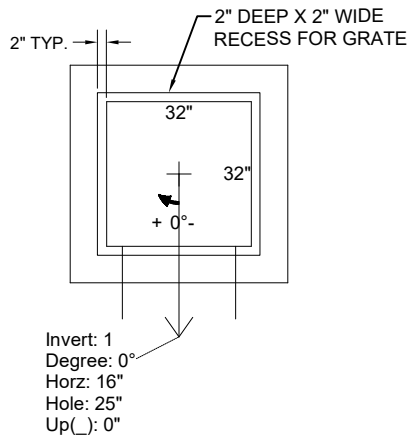
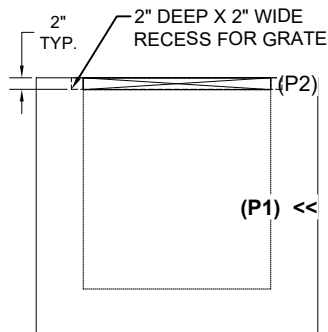
- Structure Notes:  
1. PER TDOT D-CB-42S / ASTM C913 SPEC'S.  
2. CONCRETE = 4,000 PSI AT 28 DAYS.  
3. JBS 4200 GRATE BY ICAST  
4. 2" WD x 2" DEEP GRATE SEAT/RECESS IN TOP OF WALLS.  
5. REINFORCING PER ASTM A615 (GRADE 60).  
\*\* SEE TDOT STD DRAWING D-CB-42S \*\*  
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.  
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

Rim: 810.65' Rim to Invert: 2.86' Slack: 0.82" Sump: 2.5" Step Position:

| Position | Elev    | Angle | Ext. (cw) | Pipe           | Pipe OD | Connector | Hole | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|----------------|---------|-----------|------|-----------|--------|--------|
| Invert 1 | 807.79' | 0°    | 24"       | 18" RCP B WALL | 23"     | Hole 25   | 25"  | 25"       | 0"     | 0"     |
| Invert 2 |         |       |           |                |         |           |      |           |        |        |
| Invert 3 |         |       |           |                |         |           |      |           |        |        |
| Invert 4 |         |       |           |                |         |           |      |           |        |        |
| Invert 5 |         |       |           |                |         |           |      |           |        |        |
| Invert 6 |         |       |           |                |         |           |      |           |        |        |
| Invert 7 |         |       |           |                |         |           |      |           |        |        |
| Invert 8 |         |       |           |                |         |           |      |           |        |        |

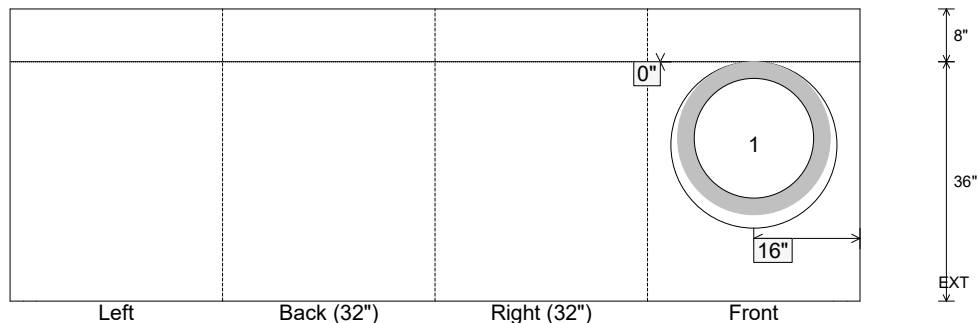
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):  
Coating (Ext):

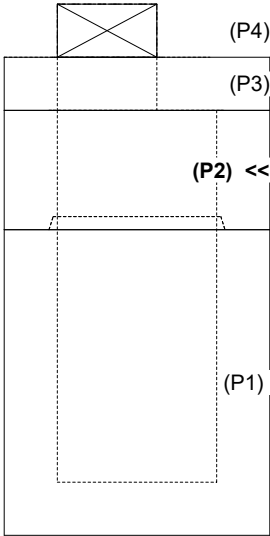
Seam Up: Flat  
Seam Dn: n/a

Wall Thickness: 8"  
Floor Height: 8"

Height (Int): 36"  
Height (Ext): 44"

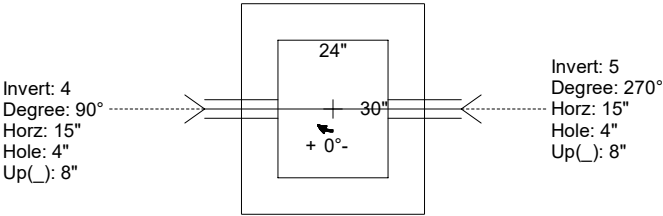
Weight (Net): 5084 lb  
Volume (Net): 1.3cu.yd

|                                                                                                                                                                                                                                                                                                                                                          |         |       |                    |              |                                    |                                                                                                                |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|--------------------|--------------|------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| 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 3:11:12 PM |                                                                                                                | Tech: J. Horsley - A<br>PC: J. Jarvis |                                                                                                                                                                                                                                                                                                                        |  |        |  |
| Structure ID: 60                                                                                                                                                                                                                                                                                                                                         |         |       |                    |              |                                    |                                                                                                                |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| P2 BX2430-08R18                                                                                                                                                                                                                                                                                                                                          |         |       | BOX RISER 8inW F/G |              |                                    |                                                                                                                |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| <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 - 18"<br/>P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 38"<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 - 20<br/>2) Hole - 4</p> |         |       |                    |              |                                    | <p>0 lb<br/>963 lb<br/>1675 lb<br/>4140 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>-----<br/>0 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: 551.92' Rim to Invert: 6.08' Slack: 0.96" Sump: 0" Step Position:                                                                                                                                                                                                                                                                                   |         |       |                    |              |                                    | Structure Total: 6778 lb                                                                                       |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                 | Elev    | Angle | Ext. (cw)          | Pipe         | Pipe OD                            | Connector                                                                                                      | Hole                                  | Horz Size                                                                                                                                                                                                                                                                                                              | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                 |         |       |                    |              |                                    |                                                                                                                |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                 |         |       |                    |              |                                    |                                                                                                                |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                 |         |       |                    |              |                                    |                                                                                                                |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                 | 549.84' | 90°   | 23"                | 4" WEEP HOLE | 4"                                 | Hole 4                                                                                                         | 4"                                    | 4"                                                                                                                                                                                                                                                                                                                     | 8"                                                                                 | 0"     |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                 | 549.84' | 270°  | 23"                | 4" WEEP HOLE | 4"                                 | Hole 4                                                                                                         | 4"                                    | 4"                                                                                                                                                                                                                                                                                                                     | 8"                                                                                 | 0"     |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                 |         |       |                    |              |                                    |                                                                                                                |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                 |         |       |                    |              |                                    |                                                                                                                |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                 |         |       |                    |              |                                    |                                                                                                                |                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                    |        |  |



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

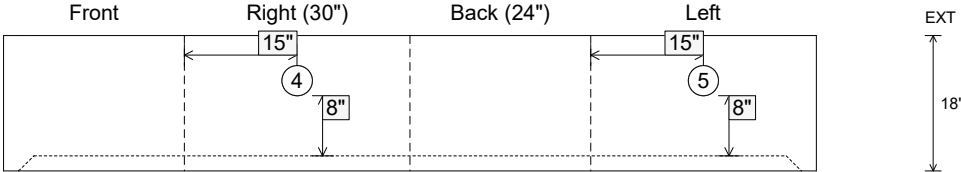
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 4  
Degree: 90°  
Horz: 15"  
Hole: 4"  
Up( ): 8"

Invert: 5  
Degree: 270°  
Horz: 15"  
Hole: 4"  
Up( ): 8"

INSIDE WALL DIMENSIONS



Front Right (30") Back (24") Left

(P2)

EXT 18"

|                                  |                                  |                                        |                                        |                                                  |
|----------------------------------|----------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Flat<br>Seam Dn: Groove | Wall Thickness: 8"<br>Floor Height: 0" | Height (Int): 18"<br>Height (Ext): 18" | Weight (Net): 1675 lb<br>Volume (Net): 0.43cu.yd |
|----------------------------------|----------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|

Job Name: 26-1899 - Gateway 65 Industrial Road  
Job Location: Franklin, KY  
Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:39:26 PM

Tech: Jared - F  
PC: E. Bardley



**Structure ID: 68 ST-DCI**

**P2 BX036084-08LD08SP**

**CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F**

P3) 24" x 36" - CASTING HEIGHT - 6"  
P2) 36" x 84" - CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F - 8"  
P1) 36" x 84" - BOX BASE 8inW, 8inF, Variable Ht F/n - 42"  
1) CASTING - HOE 525 DBL SET FLAT GRATE (F/G/H)  
1) 36" x 84" - Conseal CS-102 1.00"  
1) 24" x 36" - Conseal CS-102 1.00"  
2) Hole - 22

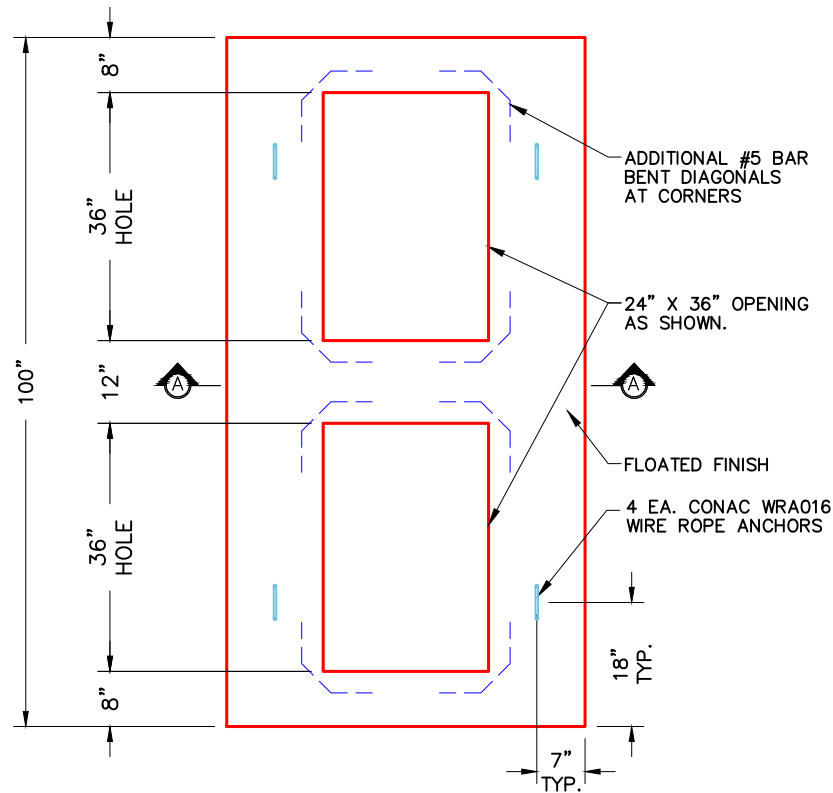
0 lb  
2911 lb  
10649 lb  
442 lb  
0 lb  
0 lb  
0 lb

Structure Total: 14002 lb

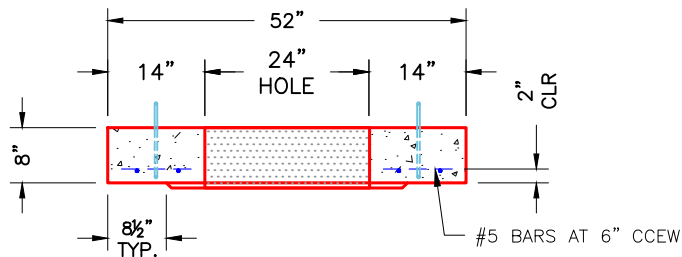
Structure Notes:

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

REINFORCING PER ASTM A615 (GRADE 60).  
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.  
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.  
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.



**PLAN VIEW**



**SECTION A-A**

NOTES:

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

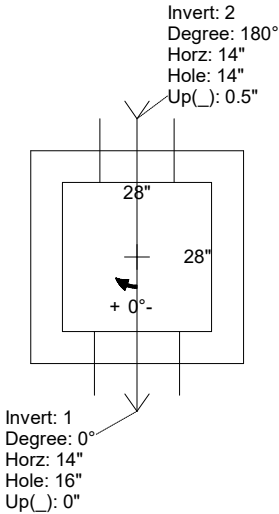
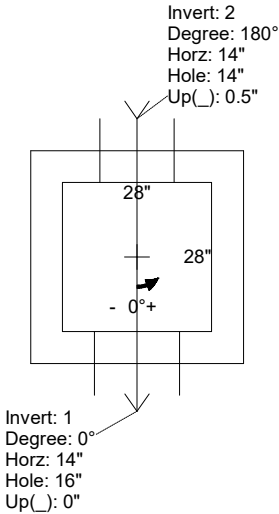
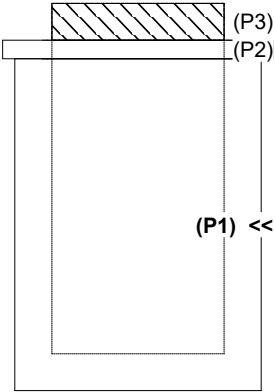
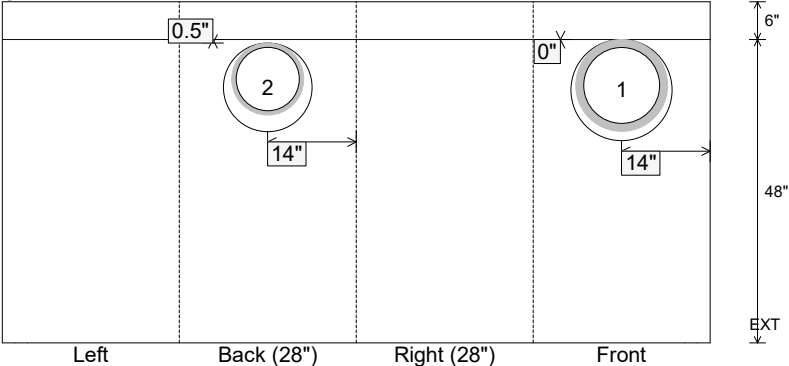
Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |       |           |          |                                     |                                                                                                      |                                   |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|----------|-------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|
| Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1<br>Job Location: Nashville, TN 37208<br>Contractor: Hayes Pipe Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |       |           |          | Plant: 100<br>6/15/2026 10:58:59 AM |                                                                                                      | Tech: Jared - F<br>PC: E. Bradley |                                                                                                                                                                                                                                                                                                                                     |  |        |
| Structure ID: C1 ST-CB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |       |           |          |                                     |                                                                                                      |                                   |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |
| P1      BX2828-06BA48      BOX BASE 6inW, 6inF F/n                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |           |          |                                     |                                                                                                      |                                   |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |
| <p>P3) 28" x 28" - CASTING HEIGHT - 6"<br/>P2) 28" x 28" - GRADE RING F/F - 3"<br/>P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48"<br/>2) 28" x 28" - Conseal CS-102 1.00"<br/>1) Hole - 16<br/>1) Hole - 14</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |       |           |          |                                     | <p>0 lb<br/>290 lb<br/>3913 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>-----<br/>Structure Total: 4203 lb</p> |                                   | <p>Structure Notes: .<br/>1. PER ASTM C913 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. NO STEPS AND NO INVERT CHANNEL.<br/>4. CASTING SUPPLIED BY OTHERS (JBS 4300 F/G).<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.</p> |                                                                                    |        |
| Rim: 425.52'      Rim to Invert: 4.69'      Slack: 0.53"      Sump: 1.25"      Step Position:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |       |           |          |                                     |                                                                                                      |                                   |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Elev    | Angle | Ext. (cw) | Pipe     | Pipe OD                             | Connector                                                                                            | Hole                              | Horz Size                                                                                                                                                                                                                                                                                                                           | Up ( )                                                                             | Offset |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 420.83' | 0°    | 20"       | 12" HDPE | 14.5"                               | Hole 16                                                                                              | 16"                               | 16"                                                                                                                                                                                                                                                                                                                                 | 0"                                                                                 | 0"     |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 420.83' | 180°  | 20"       | 10" HDPE | 11.4"                               | Hole 14                                                                                              | 14"                               | 14"                                                                                                                                                                                                                                                                                                                                 | 0.5"                                                                               | 0"     |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |       |           |          |                                     |                                                                                                      |                                   |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |
| 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><div></div><div><div>INSIDE WALL DIMENSIONS</div><div></div></div><div><div>Coating (Int):<br/>Coating (Ext):</div><div>Seam Up: Flat<br/>Seam Dn: n/a</div><div>Wall Thickness: 6"<br/>Floor Height: 6"</div><div>Height (Int): 48"<br/>Height (Ext): 54"</div><div>Weight (Net): 3913 lb<br/>Volume (Net): 1cu.yd</div></div></div> |         |       |           |          |                                     |                                                                                                      |                                   |                                                                                                                                                                                                                                                                                                                                     |                                                                                    |        |



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

Plant: 100

6/4/2026 5:54:53 PM

Tech: Jared - F

PC: J Jarvis



## Structure ID: WAS VAULT 1

**P2 MH060LD13S**

**MH FLAT TOP w/36"x36" Hatch F/G**

- P3) 36" x 36" - CASTING HEIGHT - 0"  
P2) 60" - MH FLAT TOP w/36"x36" Hatch F/G - 13"  
P1) 60" - MH BASE Custom Ht T/n - 59"  
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"  
1) 60" - Conseal CS-102 1.00" (Double)  
1) 36" x 36" - Conseal CS-102 1.00" (Double)  
2) PSX - 8QRS DD

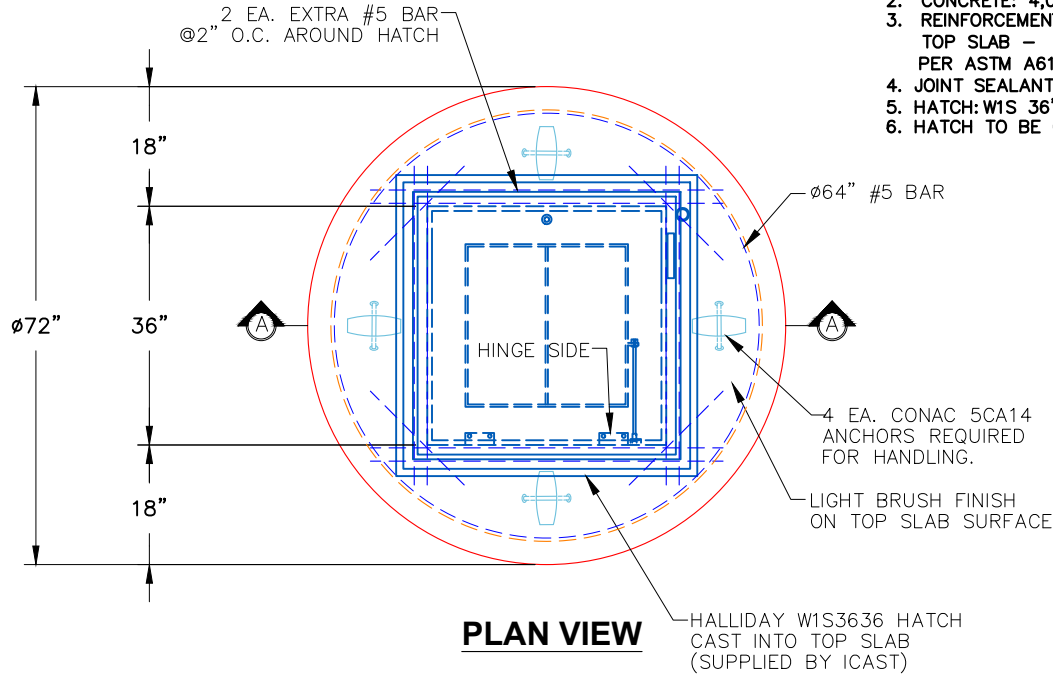
Structure Total:

0 lb  
2132 lb  
8842 lb  
78 lb  
0 lb  
0 lb  
0 lb  
13 lb  
-----  
11065 lb

### Structure Notes:

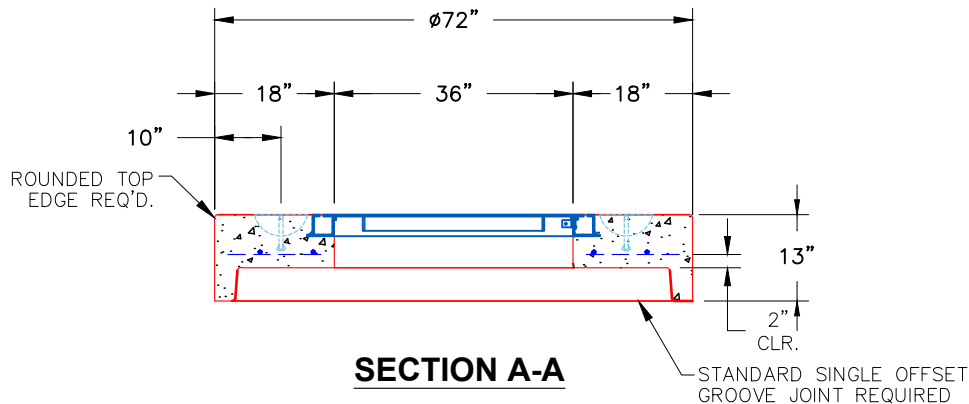
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY I-CAST (HALLIDAY W1S 36"x36")

REINFORCING PER ASTM A615 (GRADE 60).  
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.  
- RISER/WALLS (As .18)  
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



### NOTES:

1. PER ASTM C-478 LATEST REVISION
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCEMENT:  
TOP SLAB - #5 BAR @ 6" C.C.E.W.  
PER ASTM A615 (GRADE 60)
4. JOINT SEALANT - 1" CS-102-DOUBLE
5. HATCH: W1S 36"x36" HATCH IS PROVIDED BY ICAST.
6. HATCH TO BE CAST INTO TOP SLAB.



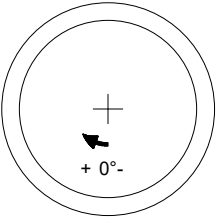
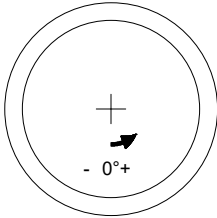
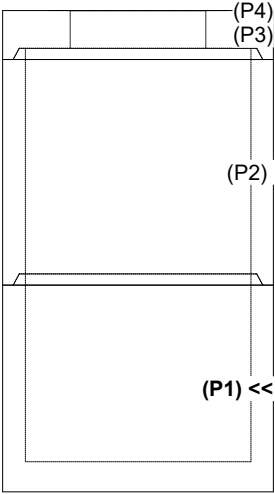
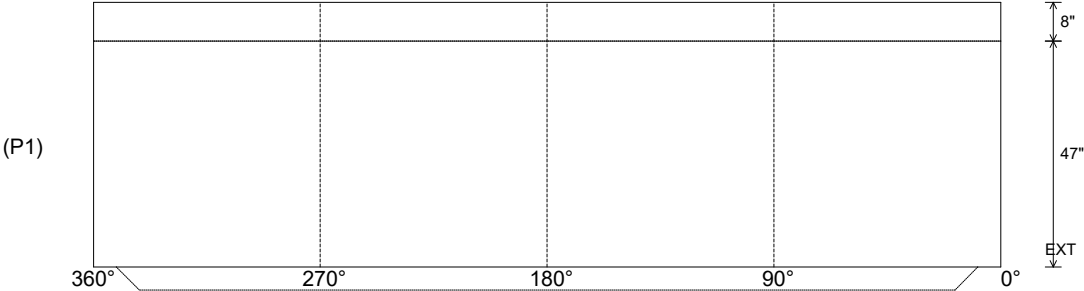
Coating (Int):  
Coating (Ext):

Seam Up: Flat  
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 2132 lb  
Volume (Net): 0.55cu.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 5:54:14 PM                                                                            |           | Tech: Jared - F<br>PC: J Jarvis                                                                                                                                                                                                                                                                                                |           |  |        |  |                                  |  |  |                                 |  |                                        |  |                                        |  |                                                  |  |  |
| Structure ID: METER VAULT 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |       |                                 |      |                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |                                  |  |  |                                 |  |                                        |  |                                        |  |                                                  |  |  |
| P1 MH060BAVF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       | MH BASE Custom Ht T/n           |      |                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                |           |                                                                                    |        |  |                                  |  |  |                                 |  |                                        |  |                                        |  |                                                  |  |  |
| <p>P4) 36" x 36" - CASTING HEIGHT - 0"<br/>P3) 60" - MH FLAT TOP w/36"x36" Hatch F/G - 13"<br/>P2) 60" - MH RISER T/G - 60"<br/>P1) 60" - MH BASE Custom Ht T/n - 47"<br/>1) HATCH (Alum.) - HALLIDAY W1S 36"x36"<br/>2) 60" - Conseal CS-102 1.00" (Double)<br/>1) 36" x 36" - Conseal CS-102 1.00" (Double)<br/>2) PSX - 8QRS DD</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |                                 |      | <p>0 lb<br/>2132 lb<br/>6213 lb<br/>7640 lb<br/>78 lb<br/>0 lb<br/>0 lb<br/>13 lb<br/>-----<br/>16075 lb</p> |           | <p>Structure Notes: .<br/>1. PER ASTM C478 SPECIFICATIONS.<br/>2. CONCRETE = 4,000 PSI AT 28 DAYS.<br/>3. HATCH SUPPLIED BY I-CAST (HALLIDAY W1S 36"X36")<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 .47) #5 BARS AT 12" C.C.E.W.</p> |           |                                                                                    |        |  |                                  |  |  |                                 |  |                                        |  |                                        |  |                                                  |  |  |
| Rim: 454' Rim to Invert: 5.06' Slack: -0.002" Sump: 59.28" 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>RIGHT-SIDE UP VIEW (int. dimensions)</div><div></div></div><div><div>UPSIDE-DOWN VIEW (int. dimenions)</div><div></div></div></div> <div><div></div><div><div>INSIDE WALL DIMENSIONS</div><div></div></div></div> <tr><td colspan="3">Coating (Int):<br/>Coating (Ext):</td><td colspan="2">Seam Up: Tongue<br/>Seam Dn: n/a</td><td colspan="2">Wall Thickness: 6"<br/>Floor Height: 8"</td><td colspan="2">Height (Int): 47"<br/>Height (Ext): 55"</td><td colspan="3">Weight (Net): 7640 lb<br/>Volume (Net): 1.95cu.yd</td></tr> |      |       |                                 |      |                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                |           |                                                                                    |        |  | Coating (Int):<br>Coating (Ext): |  |  | Seam Up: Tongue<br>Seam Dn: n/a |  | Wall Thickness: 6"<br>Floor Height: 8" |  | Height (Int): 47"<br>Height (Ext): 55" |  | Weight (Net): 7640 lb<br>Volume (Net): 1.95cu.yd |  |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |       | Seam Up: Tongue<br>Seam Dn: n/a |      | Wall Thickness: 6"<br>Floor Height: 8"                                                                       |           | Height (Int): 47"<br>Height (Ext): 55"                                                                                                                                                                                                                                                                                         |           | Weight (Net): 7640 lb<br>Volume (Net): 1.95cu.yd                                   |        |  |                                  |  |  |                                 |  |                                        |  |                                        |  |                                                  |  |  |

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 7:52:52 AM

Tech: J. Horsley

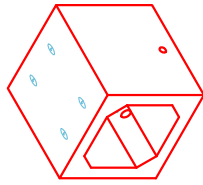
PC: C. Goff



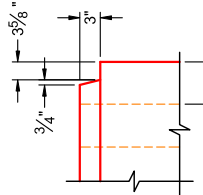
Structure ID: St. 45+00 (PC 19)

P1 BC048048-08WLF-9H

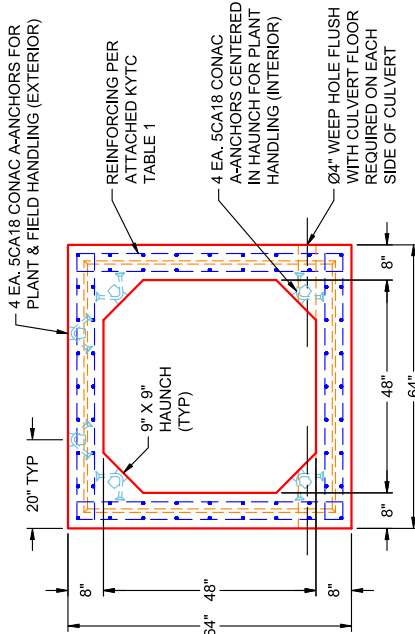
BOX CULVERT (08W/08F/08T) No Groove F/T



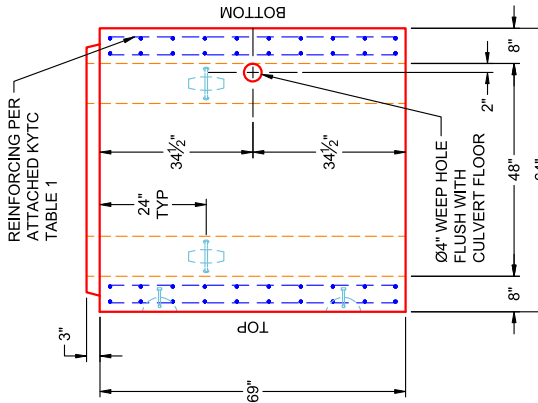
COMPONENT  
ISOMETRIC  
VIEW



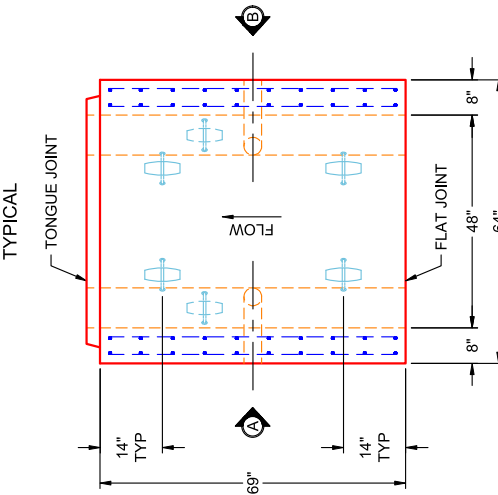
JOINT DETAIL  
(TYP)  
NTS



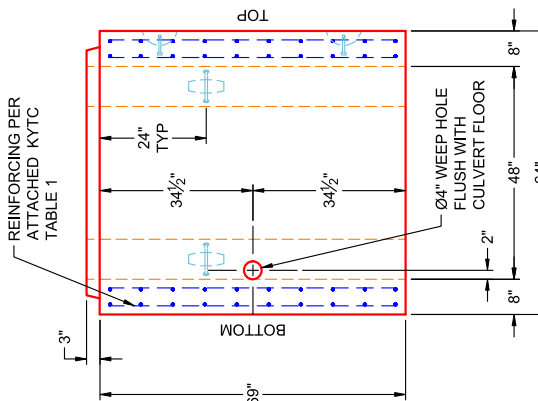
END VIEW  
TYPICAL



VIEW B  
PC 19  
(UPRIGHT IN MOLD)



PLAN VIEW  
PC 19  
(UPRIGHT IN MOLD)



VIEW A  
PC 19  
(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: FLAT

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 19)

ORDER NO: 24-1643B

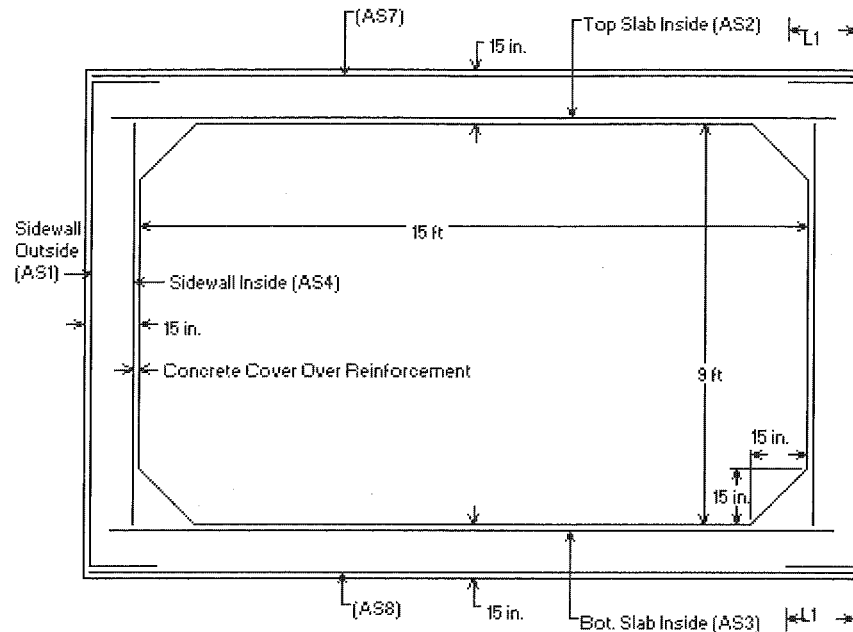
PE: J.H. ROSS

DRAWING: K. CARDWELL

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"



