

Job Name: 26-3183 ADS Freedom's Way Commons

Job Location: Shelbyville, KY

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

8/14/2026 12:27:28 PM

Tech: S. Felletter

PC: T. Ryan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: STR-23

P2 MH036RSVF

MH RISER Custom Ht F/G

P4) 24" - CASTING HEIGHT - 4"

P3) 36" - MH FLAT TOP w/ 24" Ctr. Hole F/F - 6"

P2) 36" - MH RISER Custom Ht F/G - 62"

P1) 36" - MH BASE T/n - 18"

1) ASSEMBLY REQUIRED

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

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

1) CASTING - HOE MC-285 F/C Storm

2) 36" - Conseal CS-102 1.00" (Double)

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

2) Hole - 16

0 lb

538 lb

2476 lb

1525 lb

0 lb

0 lb

0 lb

284 lb

0 lb

0 lb

0 lb

4823 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MC-285 F/C "STORM").

4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.

.

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .12)

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

Rim: 733.7'

Rim to Invert: 2.95'

Slack: 0.36"

Sump: 54.96"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	730.75'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.58"	31.46"	0"
Invert 2	730.75'	259°	99.449"	12" HDPE	14.5"	Hole 16	16"	16.58"	31.46"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

+ 0° -

Invert: 2

Degree: 259°

Horz: 81.367"

Hole: 16"

Up(): 31.46"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 16"

Up(): 31.46"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

0"

81.367"

1

2

(P2)

31.46"

31.46"

EXT

62"

Coating (Int):

Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 4"
Floor Height: 0"

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

Weight (Net): 2476 lb
Volume (Net): 0.63cu.yd

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion

Job Location: Shepherdsville, KY

Contractor: Pace Contracting, LLC

Plant: 100

7/31/2026 8:05:58 AM

Tech: Jared - F

PC: J Jarvis



Structure ID: MH-39-01A

P5 MH048RS24 MH RISER

- P7) 24" - CASTING HEIGHT - 7"

P6) 48" - ECC CONE w/ 24" HOLE - 30"

P5) 48" - MH RISER - 24"

P4) 72" - MH Transition Slab 48" Hole - 15"

P3) 72" - MH RISER Custom Ht - 61"

P2) 72" - MH RISER - 72"

P1) 72" - P.I.P. BY OTHERS - BTM SLAB - 0"

1) Chimney Seal - Cretex Chimney Seal

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

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

1) CASTING - HOE MC-375-WT F/C Sanitary

3) 72" - Conseal CS-102 1.00" (Double)

2) 48" - Conseal CS-102 1.00" (Double)

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

2) DOGHOUSE - 28"x30"

1) Kor-N-Seal2 - S206-22

0 lb

2050 lb

1677 lb

3864 lb

8666 lb

9541 lb

0 lb

10 lb

0 lb

0 lb

271 lb

0 lb

0 lb

0 lb

0 lb

6 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY).

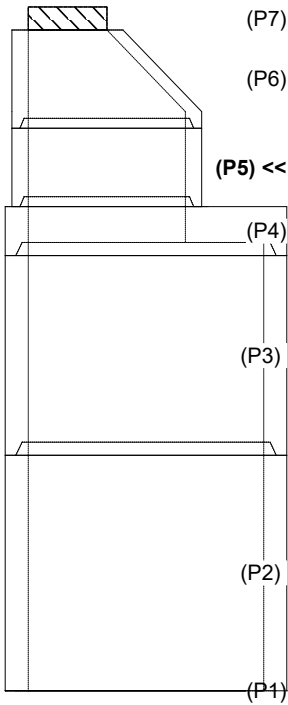
4. INTERNAL DROP INLET SUPPLIED BY OTHERS.

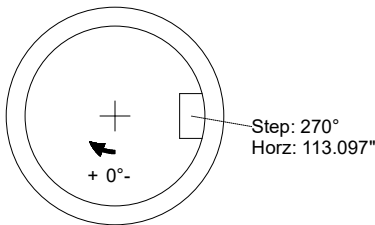
REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

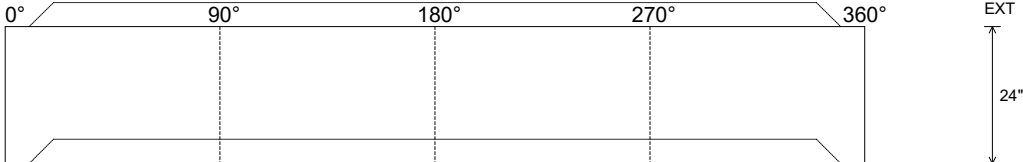
- RISER/WALLS (As .12)

- TRANS.SLAB (As .31) #5 BARS AT 6" C.C.E.W.

- RISER/WALLS (As .18)
- | 12) Int Step 02 - 10-TD RMC Invert: 17.12' | Slack: 0.44" | Sump: 4" | Step Position: 270° | Structure Total: 26086 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): | Seam Up: Tongue | Wall Thickness: 5" | Height (Int): 24" | Weight (Net): 1677 lb |
| Coating (Ext): | Seam Dn: Groove | Floor Height: 0" | Height (Ext): 24" | Volume (Net): 0.43cu.yd |

Job Name: 26-1066 - Gunning Pump Station & Force Main
Job Location: Bardstown, KY
Contractor: Connhurst, LLC

Plant: 100

6/2/2026 10:56:12 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: A6 (10)

P2 MH048LD12ECC

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

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 26"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) 48" - Con Seal CS-102 1.00" (Double)
2) PSX - 16M DD

Structure Total:

0 lb
1561 lb
2975 lb
1440 lb
0 lb
0 lb
16 lb

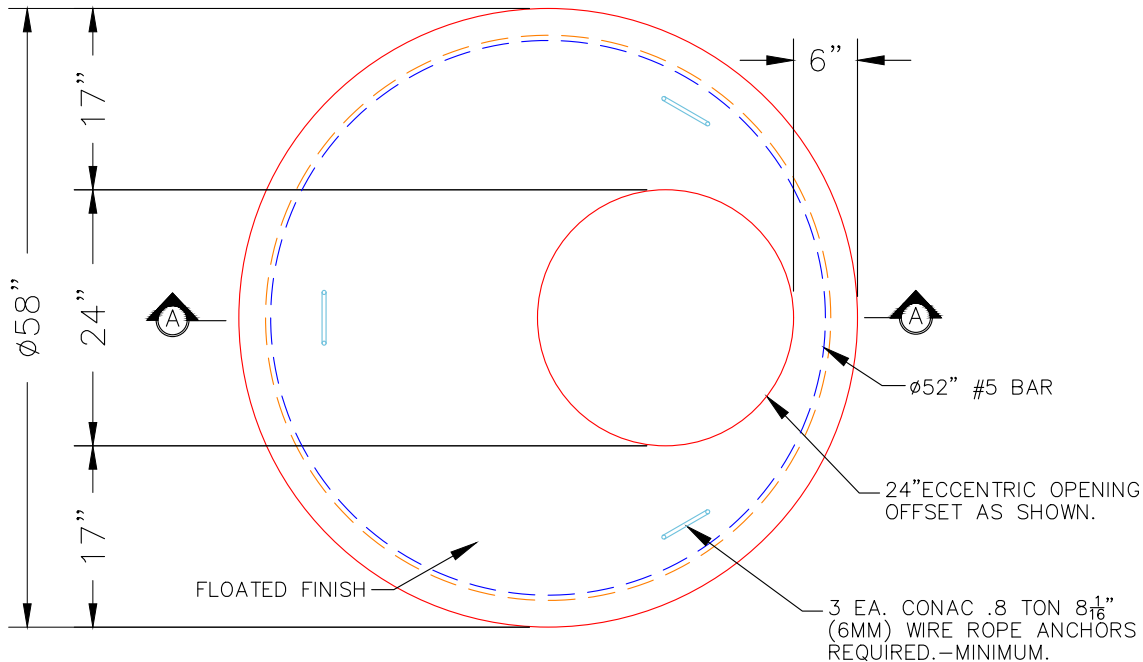
5992 lb

Structure Notes:

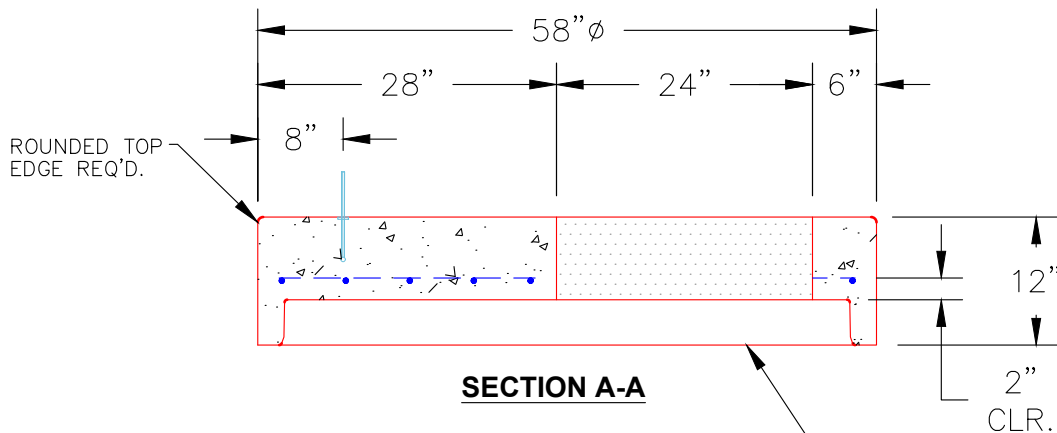
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS.
4. CASTING SUPPLIED BY OTHERS.
5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS.

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB = H20 LOADING.
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 26-1814 - Brownsville Sewer System Additions Job Location: Cave City, KY Contractor: Luttrell & Sons, LLC					Plant: 100		Tech: Jared - F			
					7/31/2026 1:28:17 PM		PC: A. Chambers			
Structure ID: QL12 SS-MH										
P1 MH048BA42			MH BASE T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - CON CONE w/24" HOLE F/G - 24" P1) 48" - MH BASE T/n - 42" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 3) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 4169 lb 0 lb 1440 lb 0 lb 271 lb 0 lb 0 lb 8 lb 8 lb 0 lb ----- Structure Total: 8148 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY") REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 643' Rim to Invert: 6' Slack: 1" Sump: 2" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	637'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	639'	205°	103.75"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	23"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 4169 lb Volume (Net): 1.06cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1814 - Brownsville Sewer System Additions

Job Location: Cave City, KY

Contractor: Luttrell & Sons, LLC

Plant: 100

7/31/2026 1:28:17 PM

Tech: Jared - F

PC: A. Chambers

Structure ID: QL12 SS-MH

P1 MH048BA42

MH BASE T/n

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - CON CONE w/24" HOLE F/G - 24"

P1) 48" - MH BASE T/n - 42"

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

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

1) CASTING - HOE MC-375 F/C Sanitary

1) 48" - Conseal CS-102 1.00"

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

1) PSX - 12-08 NYLO

1) PSX - 12-06 NYLO

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

0 lb

2252 lb

4169 lb

0 lb

1440 lb

0 lb

271 lb

0 lb

0 lb

8 lb

8 lb

0 lb

Structure Total: 8148 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY")

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 643'

Rim to Invert: 6'

Slack: 1"

Sump: 2"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	637'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	639'	205°	103.75"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	23"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

FOR INVERT ONLY

Invert: 2
Degree: 205°
Horz: 85.875"
Hole: 12"
Up(_): 23"

Step: 90°
Horz: 37.75"

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

Diagram of right-side up view showing invert details and step.

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 205°
Horz: 85.875"
Hole: 12"
Up(_): 23"

Step: 90°
Horz: 37.75"

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

Diagram of upside-down view showing invert details and step.

INSIDE WALL DIMENSIONS

Diagram showing inside wall dimensions with angles (360°, 270°, 180°, 90°, 0°) and heights (6", 42", EXT).

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 42"

Height (Ext): 48"

Weight (Net): 4169 lb

Volume (Net): 1.06cu.yd

Job Name: 26-1814 - Brownsville Sewer System Additions

Job Location: Cave City, KY

Contractor: Luttrell & Sons, LLC

Plant: 100

8/6/2026 9:03:02 PM

Tech: Jared - F

PC: A. Chambers



Structure ID: 0+68 SS-MH

P1 MH048BA18

MH BASE T/n

P4) 24" - CASTING HEIGHT - 7"

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

P2) 48" - MH RISER SPECIAL T/G - 72"

P1) 48" - MH BASE T/n - 18"

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

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

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) CASTING - HOE MC-375 F/C Sanitary

2) 48" - Conseal CS-102 1.00" (Double)

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

2) PSX - 12-08 NYLO

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

0 lb

2252 lb

4982 lb

2540 lb

0 lb

0 lb

1440 lb

271 lb

0 lb

0 lb

16 lb

0 lb

Structure Total: 11501 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY")

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 550'

Rim to Invert: 11'

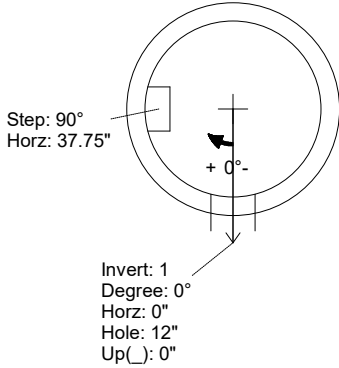
Slack: 1"

Sump: 2"

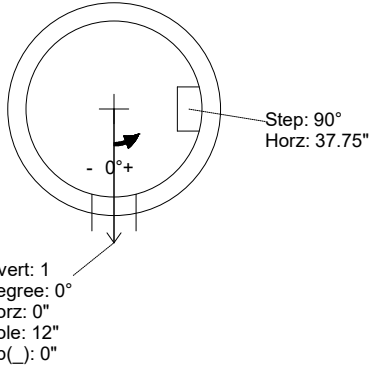
Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	539'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

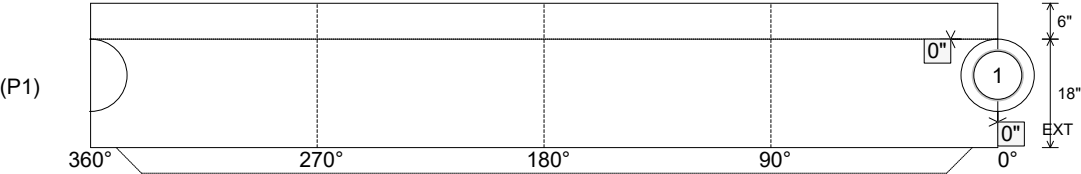
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 18"

Height (Ext): 24"

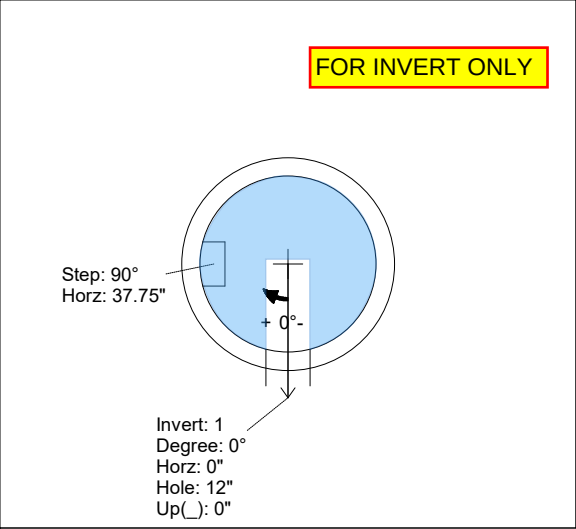
Weight (Net): 2540 lb

Volume (Net): 0.65cu.yd

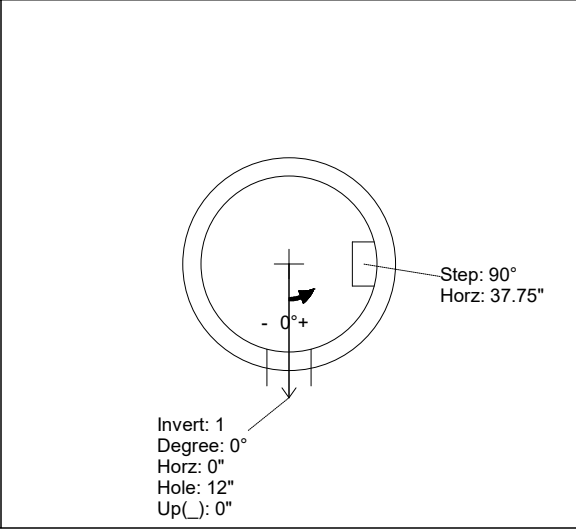
Job Name: 26-1814 - Brownsville Sewer System Additions Job Location: Cave City, KY Contractor: Luttrell & Sons, LLC					Plant: 100 8/6/2026 9:03:02 PM		Tech: Jared - F PC: A. Chambers				
Structure ID: 0+68 SS-MH											
P1 MH048BA18		MH BASE T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - CON CONE w/24" HOLE F/G - 36" P2) 48" - MH RISER SPECIAL T/G - 72" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 10) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 4982 lb 2540 lb 0 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 11501 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY") REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 550'		Rim to Invert: 11'		Slack: 1"		Sump: 2"		Step Position: 90°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	539'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)

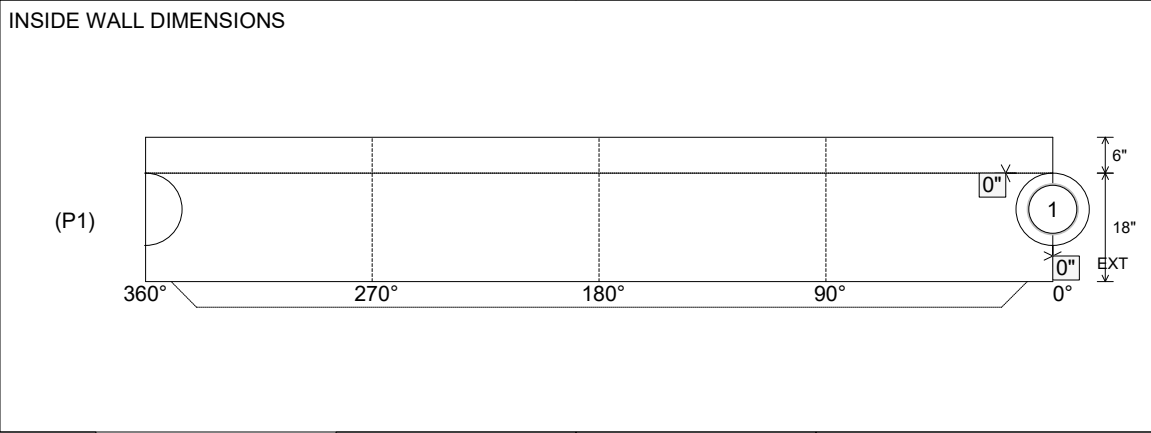
FOR INVERT ONLY



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

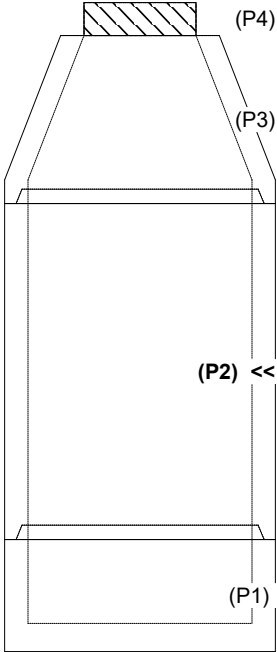
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 18"
Height (Ext): 24"

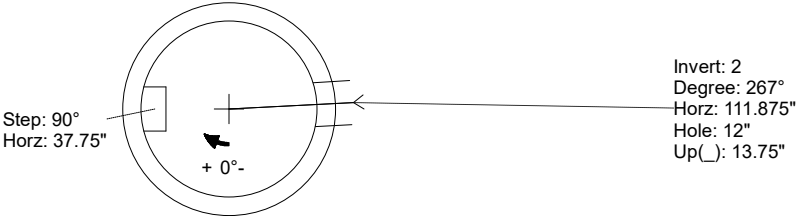
Weight (Net): 2540 lb
Volume (Net): 0.65cu.yd

Job Name: 26-1814 - Brownsville Sewer System Additions Job Location: Cave City, KY Contractor: Luttrell & Sons, LLC					Plant: 100 8/6/2026 8:47:25 PM		Tech: Jared - F PC: A. Chambers				
Structure ID: 0+68 SS-MH											
P2 MH048RS72S		MH RISER SPECIAL T/G									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - CON CONE w/24" HOLE F/G - 36" P2) 48" - MH RISER SPECIAL T/G - 72" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 10) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 4982 lb 2540 lb 0 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY ICAST (HOE MC-375 F/C "SANITARY") REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Structure Total:					11501 lb						
Rim: 550' Rim to Invert: 11' Slack: 1" Sump: 2" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset	
Invert 1											
Invert 2	542'	267°	135.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	13.75"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)

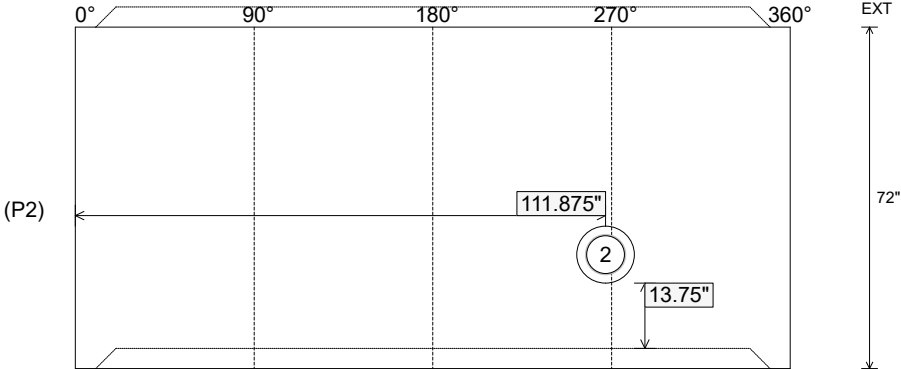


Step: 90°
Horz: 37.75"

Invert: 2
Degree: 267°
Horz: 111.875"
Hole: 12"
Up(↓): 13.75"

+ 0°

INSIDE WALL DIMENSIONS



0° 90° 180° 270° 360°

(P2)

111.875"

2

13.75"

72"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 72" Height (Ext): 72"	Weight (Net): 4982 lb Volume (Net): 1.27cu.yd
----------------------------------	------------------------------------	--	--	--

Job Name: 26-1066 - Gunning Pump Station & Force Main
Job Location: Bardstown, KY
Contractor: Connhurst, LLC

Plant: 100

6/2/2026 10:56:15 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: 44+80 AR (14)

P4 MH048LD12S

MH FLAT TOP w/30"x36" Hatch F/G

- P5) 30" x 36" - CASTING (cast in) - 0"
P4) 48" - MH FLAT TOP w/30"x36" Hatch F/G - 12"
P3) 48" - MH DH RISER T/F - 36"
P2) 48" - MH DH RISER Custom Ht F/F - 58"
P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) SPECIAL Internal Coating
1) HATCH (Alum.) - HALLIDAY H1W 36"x30"
3) 48" - Conseal CS-102 1.00" (Double)
2) DOGHOUSE - 12"x12"

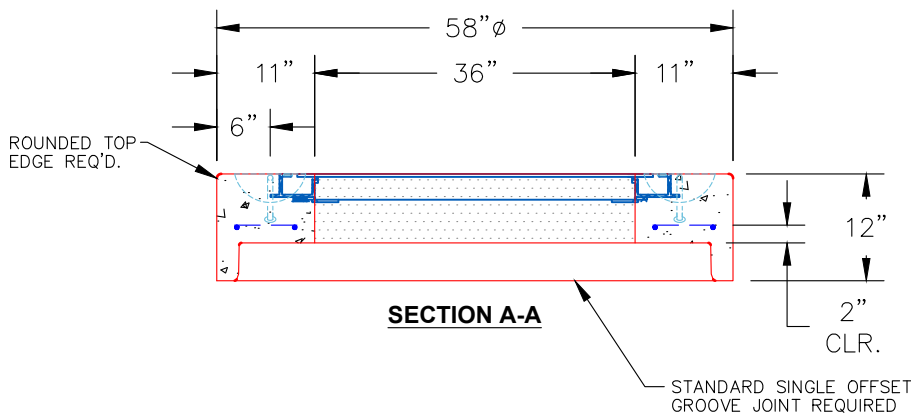
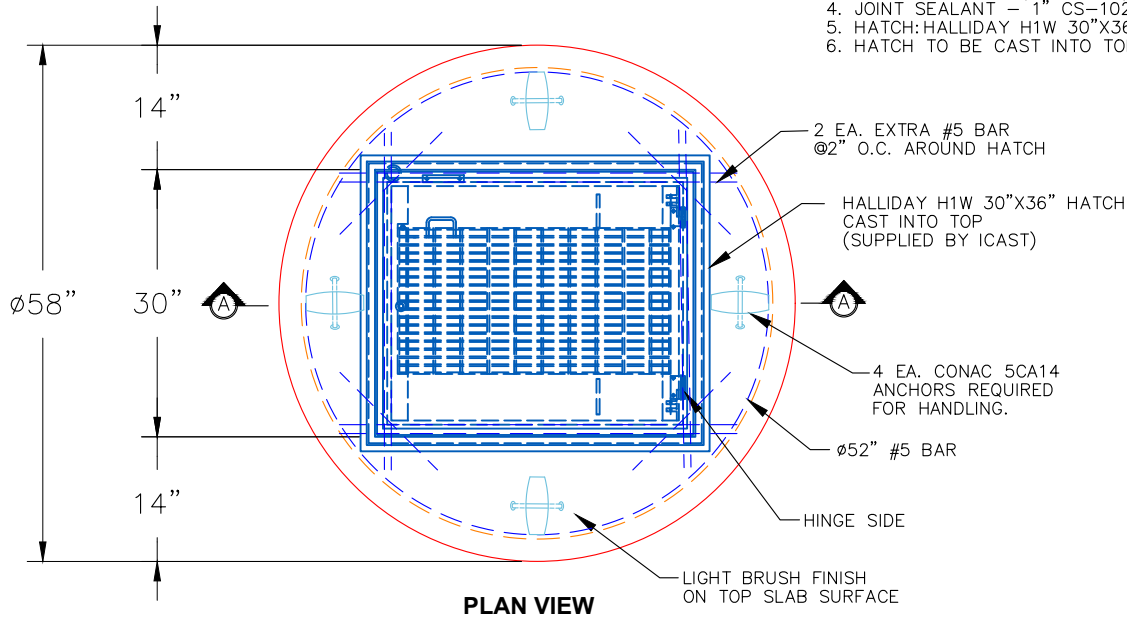
Structure Total: 7889 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS.
4. HATCH BY ICAST (HALLIDAY H1W 30"x36" CAST-IN).
5. INSIDE OF STRUCTURE TO BE SANDBLASTED, THEN A COATING OF TNEC 218 TO BE APPLIED, FOLLOWED BY A COATING OF TNEC 434, FOLLOWED BY A COATING OF TNEC 435.
- REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB #5 BAR AT 6" O.C.E.W
 - RISER/WALLS (As .12)

NOTES:

1. PER ASTM C-478 LATEST REVISION
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCEMENT:
 - TOP SLAB - #5 BAR @ 6" O.C.E.W.
 - PER ASTM A615 (GRADE 60)
4. JOINT SEALANT - 1" CS-102-DOUBLE
5. HATCH: HALLIDAY H1W 30"x36" HATCH PROVIDED BY ICAST.
6. HATCH TO BE CAST INTO TOP SLAB.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1237 lb
Volume (Net): 0.32cu.yd

Job Name: 26-1066 - Gunning Pump Station & Force Main
Job Location: Bardstown, KY
Contractor: Connhurst, LLC

Plant: 100

6/2/2026 10:56:14 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: 20+49.85 AR (14)

P3 MH048LD12S

MH FLAT TOP w/30"x36" Hatch F/G

- P4) 30" x 36" - CASTING (cast in) - 0"
P3) 48" - MH FLAT TOP w/30"x36" Hatch F/G - 12"
P2) 48" - MH DH RISER T/F - 48"
P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) SPECIAL Internal Coating
1) HATCH (Alum.) - HALLIDAY H1W 36"x30"
2) 48" - Conseal CS-102 1.00" (Double)
2) DOGHOUSE - 12"x12"

0 lb
1237 lb
3204 lb
0 lb
0 lb
0 lb
0 lb
235 lb
0 lb
0 lb

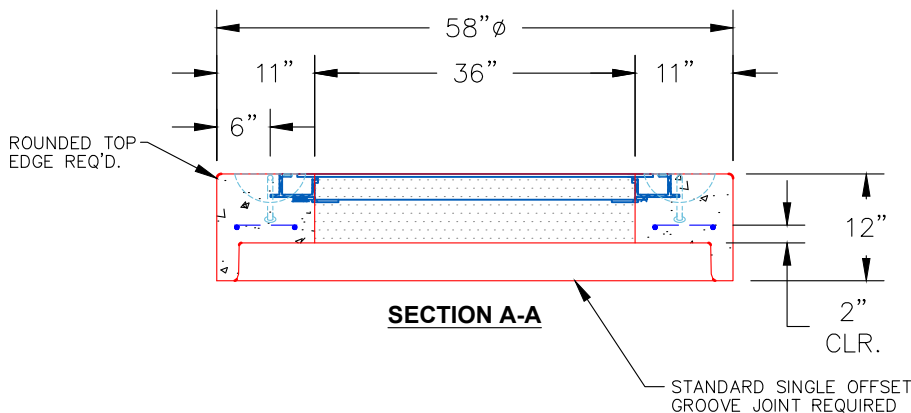
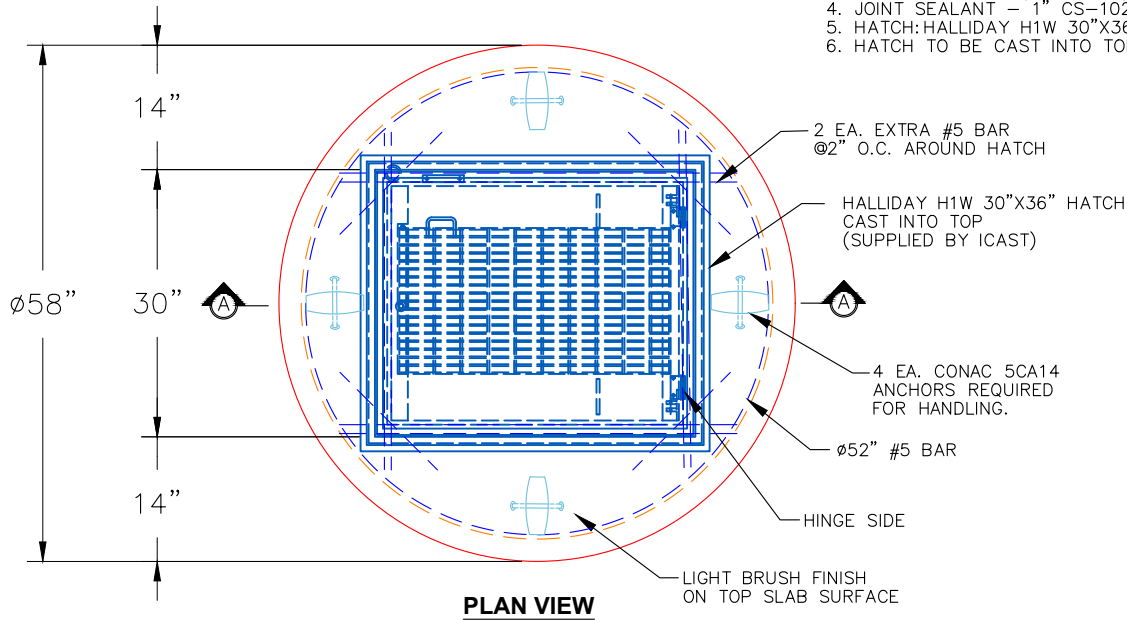
Structure Total: 4676 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS.
 4. HATCH BY ICAST (HALLIDAY H1W 30"x36" CAST-IN).
 5. INSIDE OF STRUCTURE TO BE SANDBLASTED, THEN A COATING OF TNEC 218 TO BE APPLIED, FOLLOWED BY A COATING OF TNEC 434, FOLLOWED BY A COATING OF TNEC 435.
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB #5 BAR AT 6" O.C.E.W
- RISER/WALLS (As .12)

NOTES:

1. PER ASTM C-478 LATEST REVISION
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCEMENT:
TOP SLAB - #5 BAR @ 6" O.C.E.W.
PER ASTM A615 (GRADE 60)
4. JOINT SEALANT - 1" CS-102-DOUBLE
5. HATCH: HALLIDAY H1W 30"x36" HATCH PROVIDED BY ICAST.
6. HATCH TO BE CAST INTO TOP SLAB.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1237 lb
Volume (Net): 0.32cu.yd

Job Name: 25-4279 - KYTC Christian Co (251031)
Job Location: Hopkinsville, KY
Contractor: CITCO Water

Plant: 100

5/8/2026 11:22:39 AM

Tech: Jared- F

PC: C. Goff



Structure ID: 77+93 ARV

P3 MH048LD12ECC

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

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
P2) 48" - MH DH RISER Custom Ht T/F - 32"
P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
2) 48" - Conseal CS-102 1.00" (Double)
2) DOGHOUSE - 8"x8"

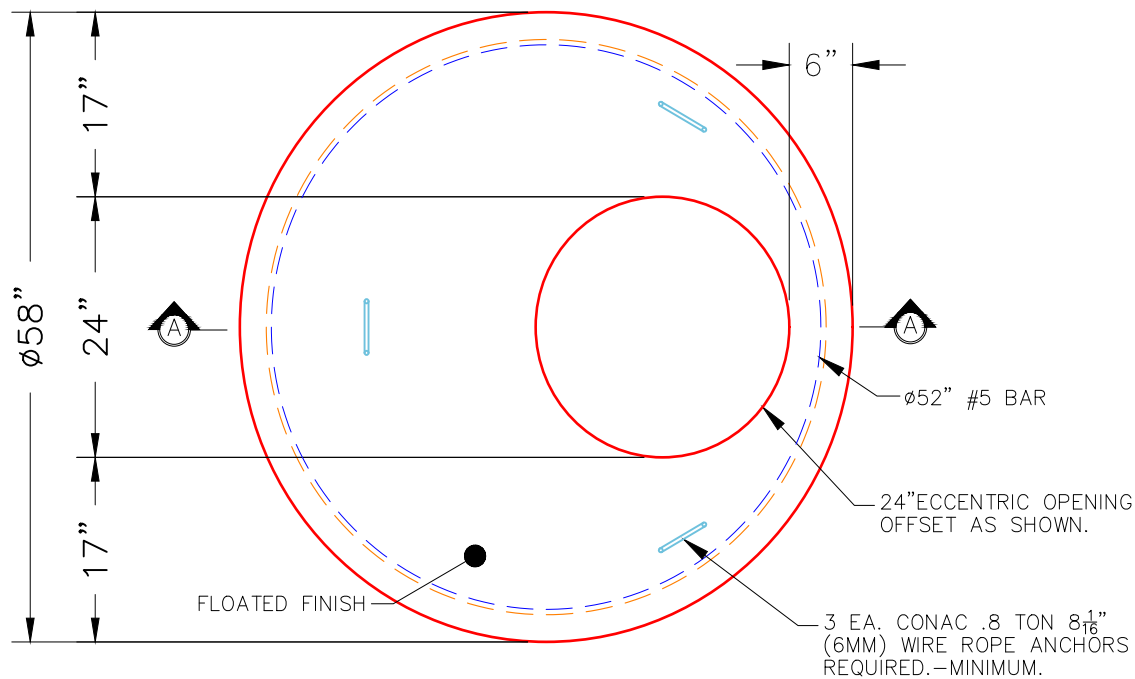
Structure Total:

0 lb
1561 lb
2160 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
3721 lb

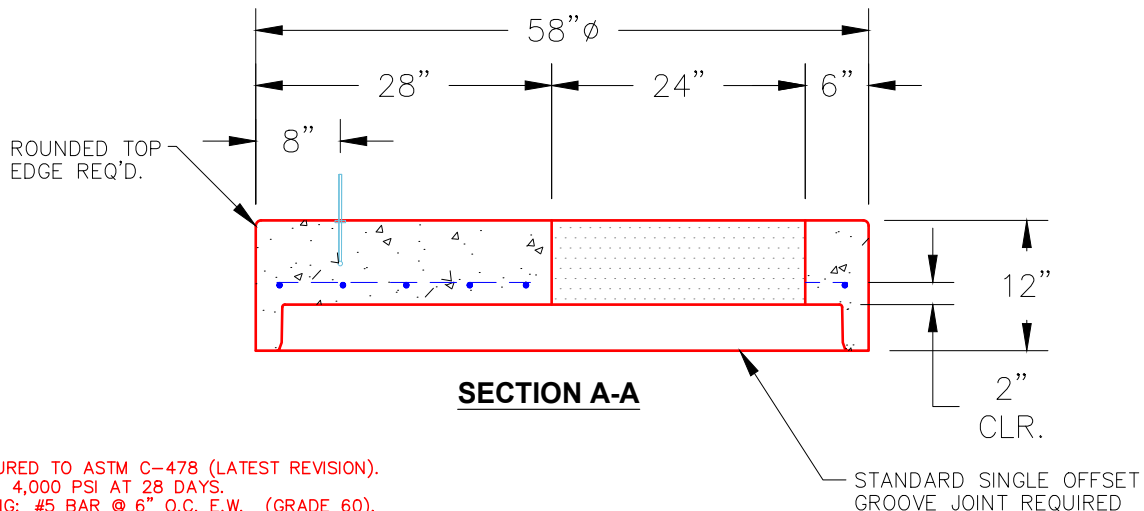
Structure Notes:

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

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB = H20 LOADING.
- RISER/WALLS (As .12)



PLAN VIEW



NOTES:

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

STANDARD SINGLE OFFSET
GROOVE JOINT REQUIRED

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 26-1322B - KYTC Warren Co Call 104 (261503) Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC					Plant: 100 4/21/2026 2:25:14 PM		Tech: Jared - A PC: Celina Goff				
Structure ID: 246-87 SS-MH											
P1		MH048BAVF		MH BASE (08"F) T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER SPECIAL T/G - 48" P1) 48" - MH BASE (08"F) T/n - 38" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-28 1) PSX - 12-06 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1550 lb 3305 lb 3883 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 8 lb 0 lb		Structure Notes: 1. PER KYTC & ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST				
Structure Total:					10470 lb						
Rim: 479.98' Rim to Invert: 9.83' Slack: 2.96" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	470.15'	0°	0"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	0"	0"	
Invert 2	470.25'	180°	91.125"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

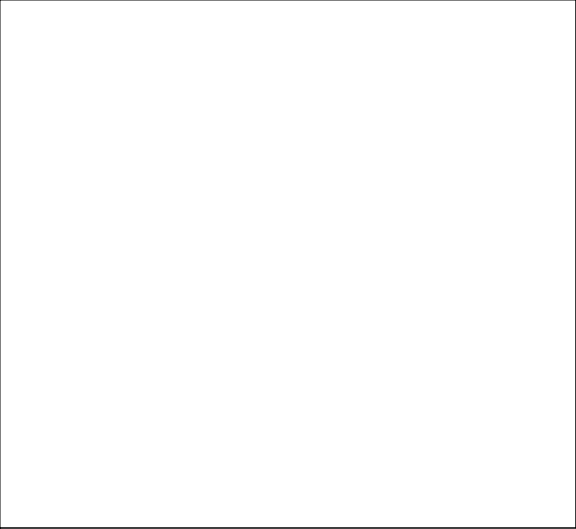
(P4)

(P3)

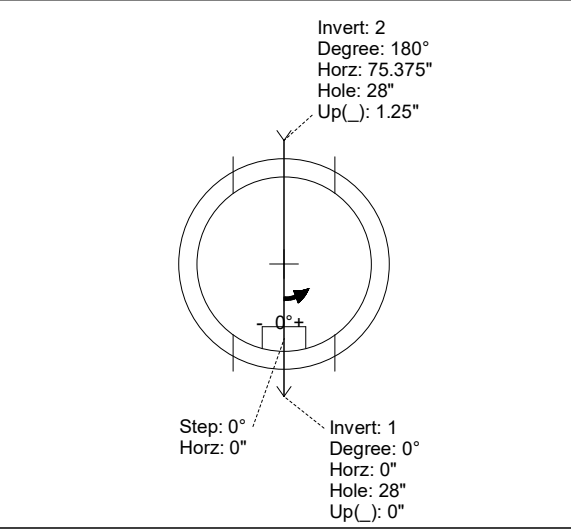
(P2)

(P1) <<

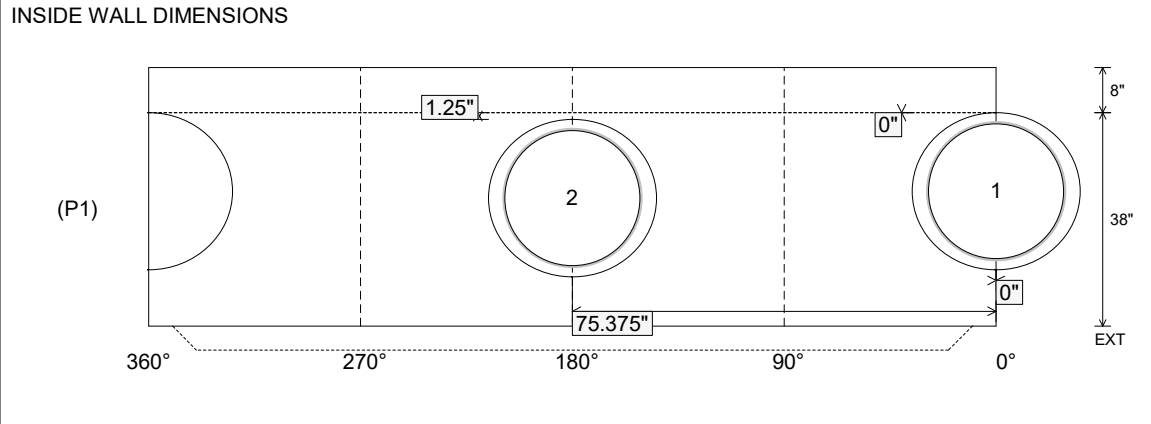
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

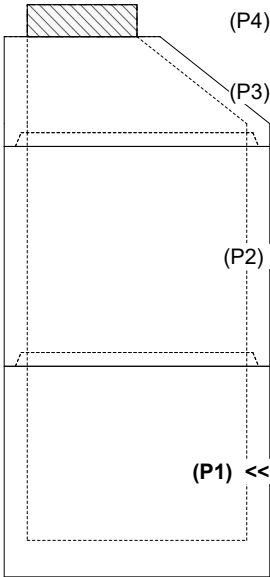


INSIDE WALL DIMENSIONS



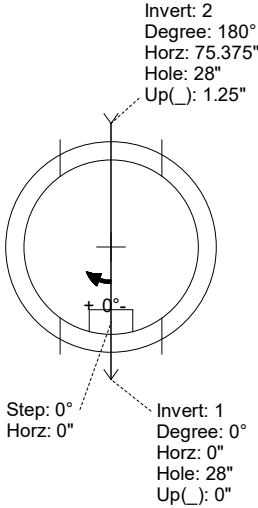
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 3883 lb Volume (Net): 0.99cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1322B - KYTC Warren Co Call 104 (261503) Job Location: Bowling Green, KY Contractor: Cumberland Pipeline LLC				Plant: 100 4/21/2026 2:25:14 PM		Tech: Jared - A PC: Celina Goff						
Structure ID: 246-87 SS-MH												
P1 MH048BAVF				MH BASE (08"F) T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER SPECIAL T/G - 48" P1) 48" - MH BASE (08"F) T/n - 38" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C BGMU Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-28 1) PSX - 12-06 NYLO 7) MH Step ML-10-TDS-NCR - 10"						0 lb 1550 lb 3305 lb 3883 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 13 lb 8 lb 0 lb ----- Structure Total: 10470 lb		Structure Notes: 1. PER KYTC & ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. HOE MC-375 FRAME & COVER "BGMU SANITARY" SUPPLIED BY ICAST				
Rim: 479.98' Rim to Invert: 9.83' Slack: 2.96" Sump: 2" Step Position: 0°												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	470.15'	0°	0"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	0"	0"		
Invert 2	470.25'	180°	91.125"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	1.25"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												



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

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 28"
Up(_): 1.25"

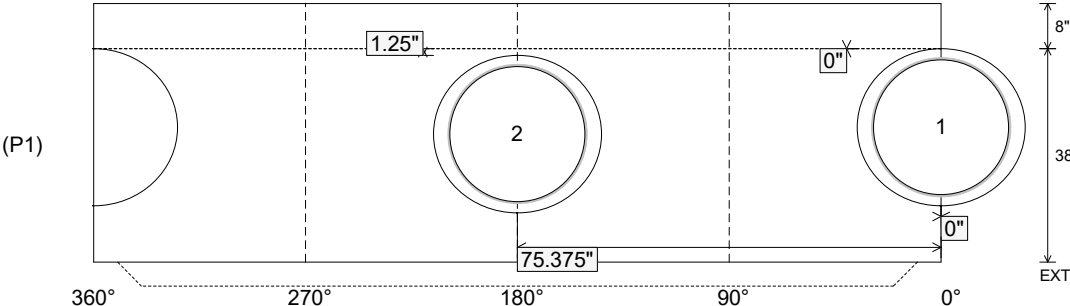
Step: 0°
Horz: 0"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 28"
Up(_): 0"

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



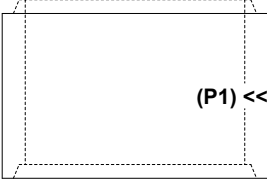
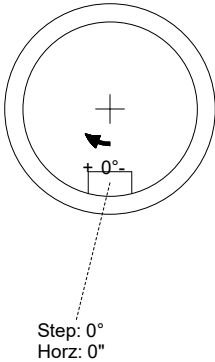
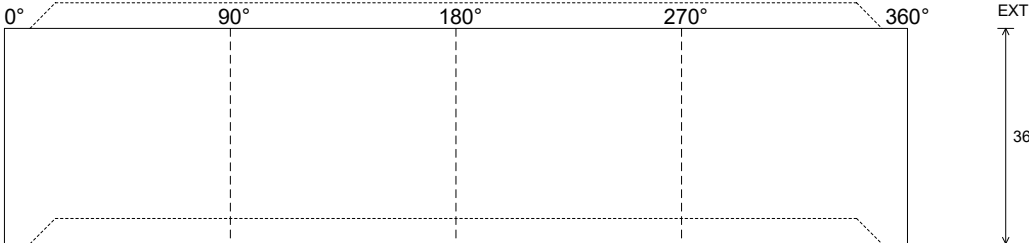
(P1)

360° 270° 180° 90° 0°

1.25" 0" 0" 75.375" 0"

8" 38" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 3883 lb Volume (Net): 0.99cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-1385C W6 Ph.II-A Force Main Improvements Job Location: Burlington, KY Contractor: Lawrence Construction & Leasing, Inc.					Plant: Beaver Dam 11/26/2025 1:05:58 PM		Tech: J. Coppage PC: J. Jarvis				
Structure ID: 51385C 2-2											
P1		MH048RSVF		MH RISER Custom Ht T/G							
P1) 48" - MH RISER Custom Ht T/G - 36" 1) A-LOK DURA-PLATE 100 LINER - PSSPEC-EA 1) 48" - Conseal CS-102 1.00" (Double) 3) MH Step ML-10-TDS-NCR - 10"					2515 lb 0 lb 0 lb 0 lb ----- 2515 lb Structure Total:		Structure Notes: 1. PER ASTM C-478 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. A-LOK DURA-PLATE 100 LINER REQUIRED				
Rim: 0'		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											
(P1)											
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 2515 lb Volume (Net): 0.64cu.yd	

Job Name: 26-3266 903262 Enterprise Leasing Hazelwood
Job Location: Hazelwood, MO
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

Tech: S. Felletter

8/17/2026 4:04:46 PM

PC: C. Goff



Structure ID: 10-CS-5

P2 MH060RS72

MH RISER T/G

- P4) 30" - CASTING HEIGHT - 4"
P3) 60" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 13"
P2) 60" - MH RISER T/G - 72"
P1) 60" - MH BASE T/n - 18"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
2) 60" - Conseal CS-102 1.00"
2) PSX - 20Y DD

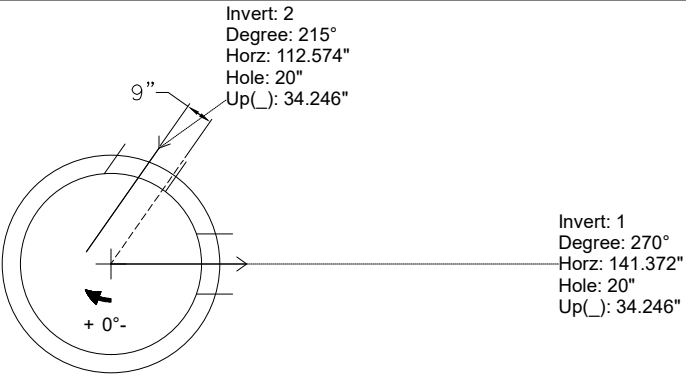
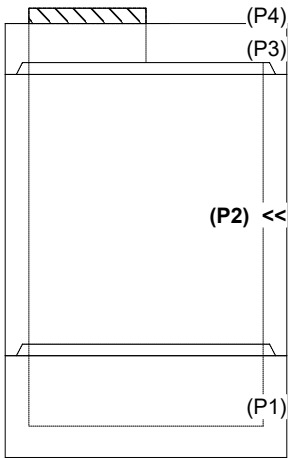
Structure Notes:
4" CASTING BY OTHERS
LIFTING ANCHORS TO BE INSTALLED
ON THE OUTSIDE OF THE STRUCTURE
ICAST TO INSTALL THE INTERNALS
CONTECH'S LOGO AS WELL AS THE
INLET AND OUTLET MUST BE
STENCILED ONTO THE STRUCTURE

Structure Total: 14404 lb

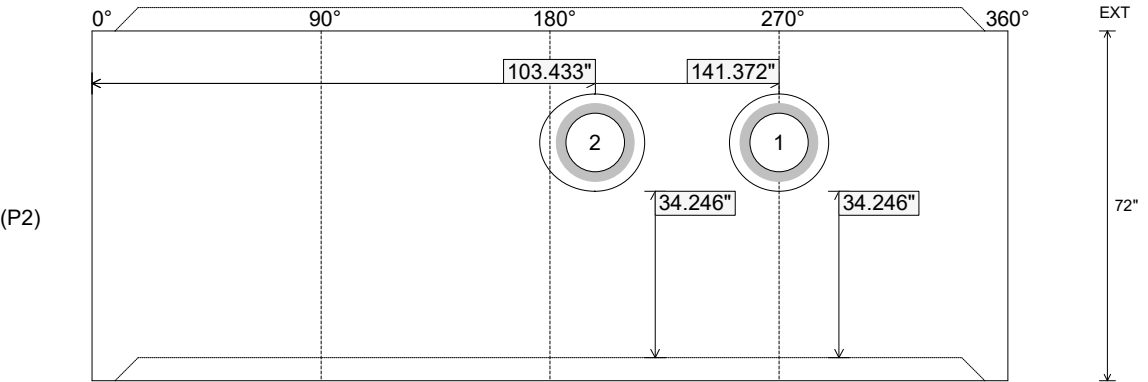
Rim: 529.28' Rim to Invert: 4.68' Slack: 10.156" Sump: 60.996" Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	524.6'	270°	169.646"	12" RCP B WALL	16"	PSX 20Y DD	20"	20.39"	34.246"	0"
Invert 2	524.6'	215°	125.992"	12" RCP B WALL	16"	PSX 20Y DD	20"	21.576"	34.246"	-9"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 6" Floor Height: 0"	Height (Int): 72" Height (Ext): 72"	Weight (Net): 7187 lb Volume (Net): 1.84cu.yd
----------------------------------	------------------------------------	--	--	--

Job Name: 26-3266 903262 Enterprise Leasing Hazelwood
Job Location: Hazelwood, MO
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

8/17/2026 4:04:30 PM

Tech: S. Felletter

PC: C. Goff



Structure ID: 10-CS-5

P3 MH060LD13-30ECC

MH FLAT TOP SPEC. (30" ECC HOLE) F/G

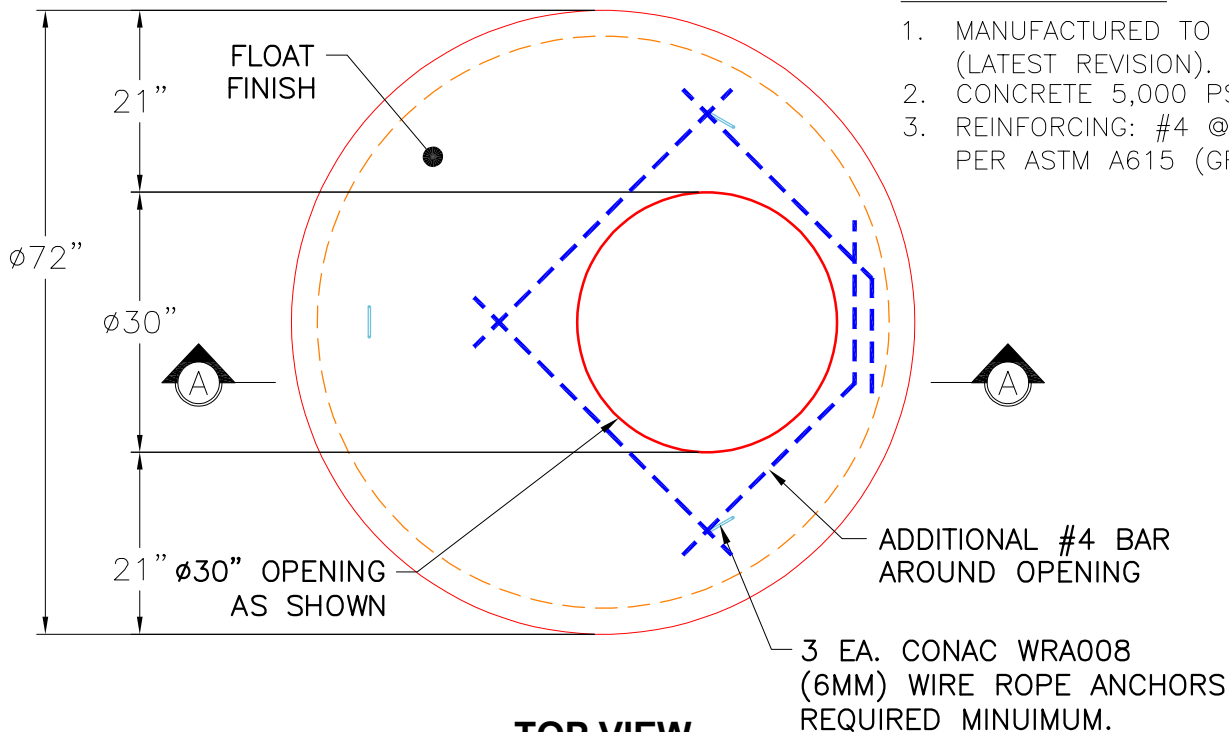
P4) 30" - CASTING HEIGHT - 4"
P3) 60" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 13"
P2) 60" - MH RISER T/G - 72"
P1) 60" - MH BASE T/n - 18"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
2) 60" - Conseal CS-102 1.00"
2) PSX - 20Y DD

0 lb
2589 lb
7187 lb
4612 lb
0 lb
0 lb
0 lb
16 lb
Structure Total: 14404 lb

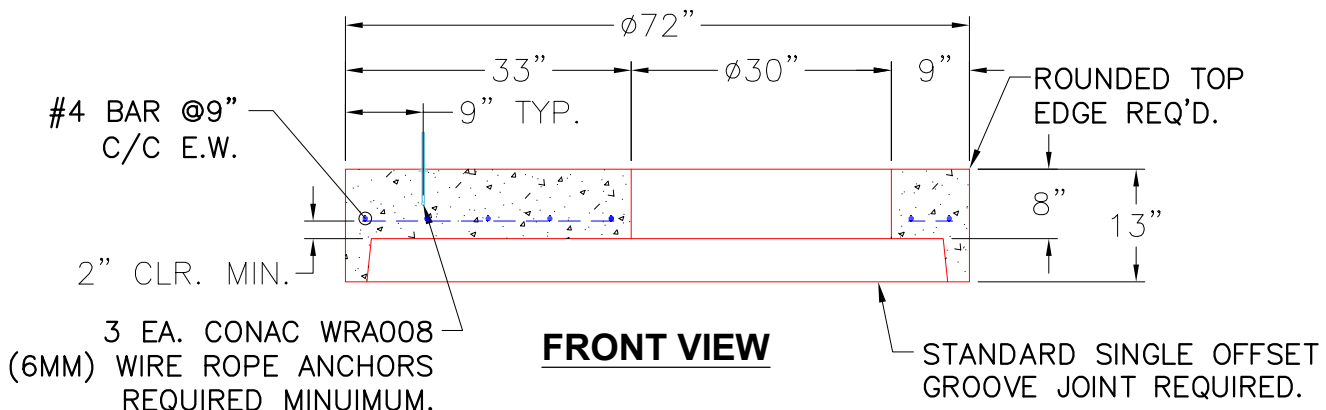
Structure Notes:
4" CASTING BY OTHERS
LIFTING ANCHORS TO BE INSTALLED
ON THE OUTSIDE OF THE STRUCTURE
ICAST TO INSTALL THE INTERNALS
CONTECH'S LOGO AS WELL AS THE
INLET AND OUTLET MUST BE
STENCILED ONTO THE STRUCTURE

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 5,000 PSI AT 28 DAYS.
3. REINFORCING: #4 @ 9" O.C. E.W. PER ASTM A615 (GRADE 60)



TOP VIEW



FRONT VIEW

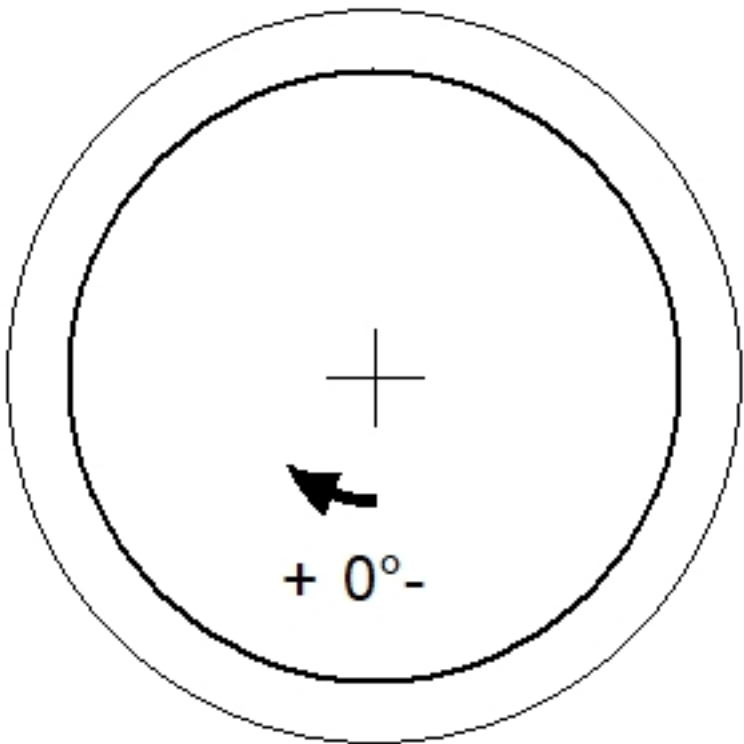
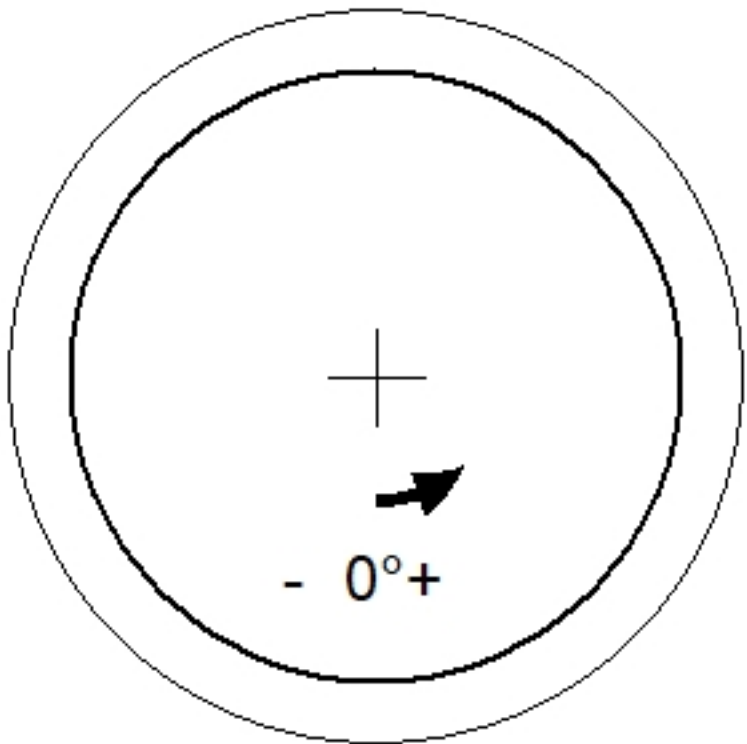
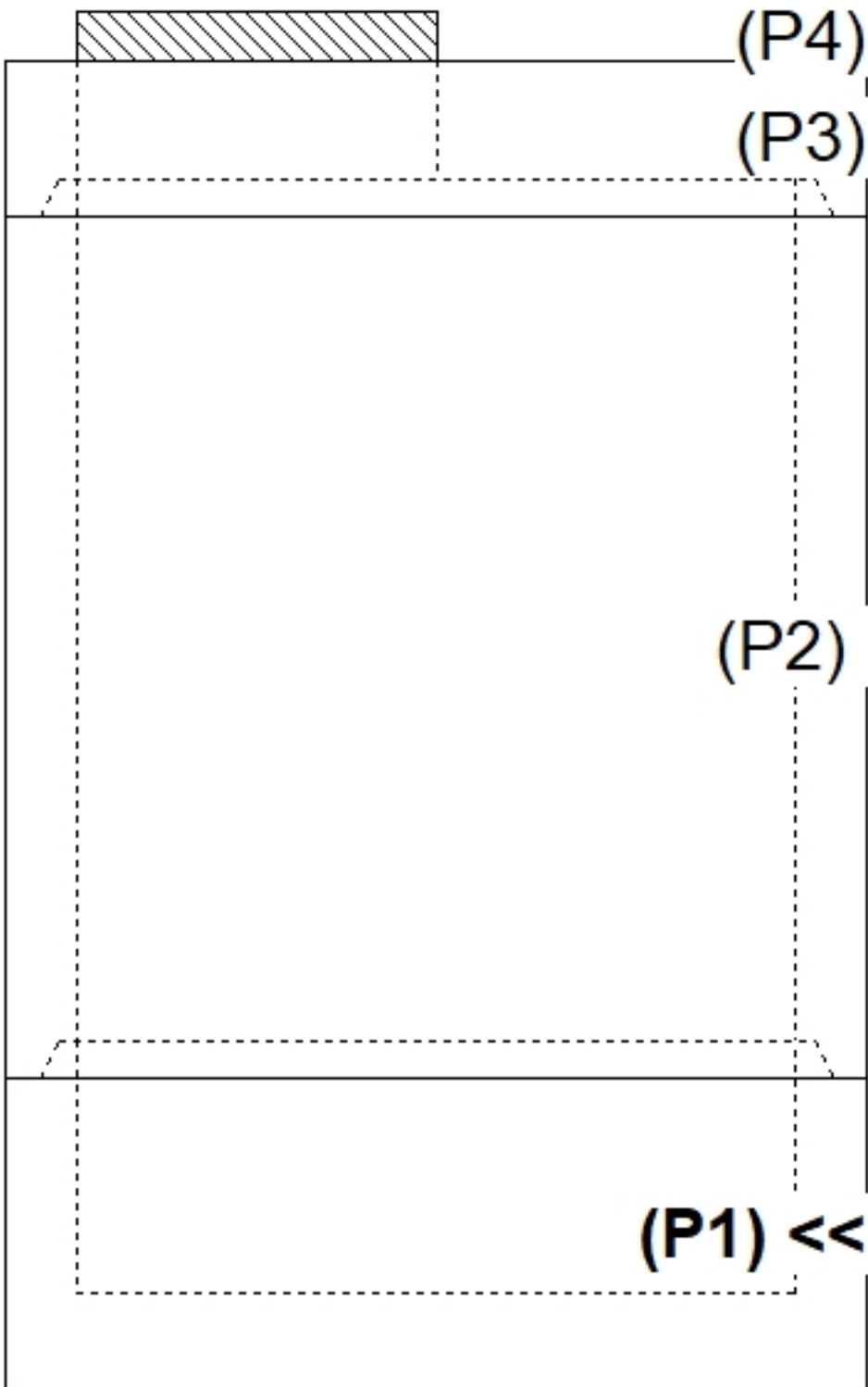
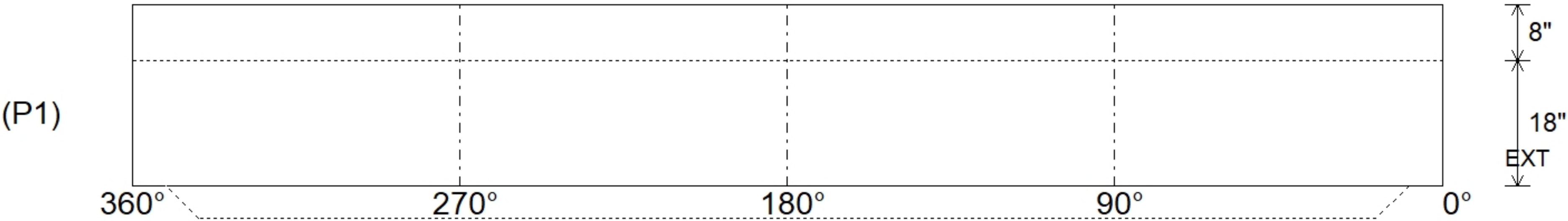
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 2589 lb
Volume (Net): 0.66cu.yd

Job Name: 26-3266 903262 Enterprise Leasing Hazelwood Job Location: Hazelwood, MO Contractor: Contech Engineering Solutions					Plant: Beaver Dam 8/17/2026 4:03:53 PM		Tech: S. Felletter PC: C. Goff				
Structure ID: 10-CS-5											
P1		MH060BA18			MH BASE T/n						
P4) 30" - CASTING HEIGHT - 4" P3) 60" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 13" P2) 60" - MH RISER T/G - 72" P1) 60" - MH BASE T/n - 18" 1) ASSEMBLY REQUIRED 1) CVSTENCILING 2) 60" - Conseal CS-102 1.00" 2) PSX - 20Y DD						0 lb 2589 lb 7187 lb 4612 lb 0 lb 0 lb 0 lb 16 lb ----- Structure Total: 14404 lb		Structure Notes: 4" CASTING BY OTHERS . LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE . ICAST TO INSTALL THE INTERNALS . CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE			
Rim: 529.28' Rim to Invert: 4.68' Slack: 10.156" Sump: 60.996" 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)  UPSIDE-DOWN VIEW (int. dimenions) 											
 INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 6" Floor Height: 8"		Height (Int): 18" Height (Ext): 26"		Weight (Net): 4612 lb Volume (Net): 1.18cu.yd	

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2

Job Location: Danville, KY

Contractor: Hubert Excavating & Contracting

Plant: 100

8/14/2026 2:41:40 PM

Tech: J. Horsley

PC: C. Goff

STRUCTURE

ICAST

PRECAST

Structure ID: MH A11

P3 MH060RSVFS

MH RISER Custom Ht, w/Coating T/G

P5) 24" - CASTING HEIGHT - 7"

P4) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"

P3) 60" - MH RISER Custom Ht, w/Coating T/G - 28"

P2) 60" - MH RISER SPECIAL w/COATING T/G - 60"

P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 56"

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

2) JOINT WRAP - 12" WD x 060" MAC WRAP

1) SPECIAL EXTERNAL COATING - Carboline 300M

1) SECONDARY POUR - Extended Flange

3) 60" - Conseal CS-102 1.00" (Double)

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

2) A-Lok - 1040

1) PSX - 8QRS-S NYLO

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

289.9 SqFt) Carboline Bitumastic 300M [EXT]

0 lb

2869 lb

2923 lb

6238 lb

8813 lb

2692 lb

0 lb

0 lb

0 lb

0 lb

0 lb

2 lb

6 lb

0 lb

0 lb

23544 lb

Structure Notes:

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT:

- FLAT LID: PER PE REINFORCEMENT DESIGN

- RISER & BASE WALLS: PER ASTM A615

- BASE FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60)

4. INVERT CHANNEL REQUIRED

5. CARBOLINE 300M EXTERIOR COATING

REQUIRED

6. STEPS AT 278.5 DEGREES

7. HOE MC-375 FRAME & COVER "SANITARY"

SUPPLIED BY

OTHERS

Rim: 902.84' Rim to Invert: 13.515' Slack: 0.395" Sump: 2.215" Structure Total: 23544 lb Step Position: 278.5°

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

RIGHT-SIDE UP VIEW (int. dimensions)

(P5)

(P4)

(P3) <<

(P2)

(P1)

0°

90°

180°

270°

360°

EXT

28"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

EXT

28"

Coating (Int):

Coating (Ext): Carboline Bitumastic 300M

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 28"

Height (Ext): 28"

Weight (Net): 2923 lb

Volume (Net): 0.75cu.yd

Job Name: 26-3183 ADS Freedom's Way Commons
Job Location: Shelbyville, KY
Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

8/14/2026 12:27:15 PM

Tech: S. Felletter

PC: T. Ryan



Structure ID: STR-14

P4 MH060LD13CC

MH FLAT TOP w/24" Ctr. Hole F/G

P5) 24" - CASTING HEIGHT - 7"
P4) 60" - MH FLAT TOP w/24" Ctr. Hole F/G - 13"
P3) 60" - MH RISER NO STEPS T/G - 72"
P2) 60" - MH RISER NO STEPS T/G - 72"
P1) 60" - MH BASE Custom Ht T/n - 27"

1) ASSEMBLY REQUIRED

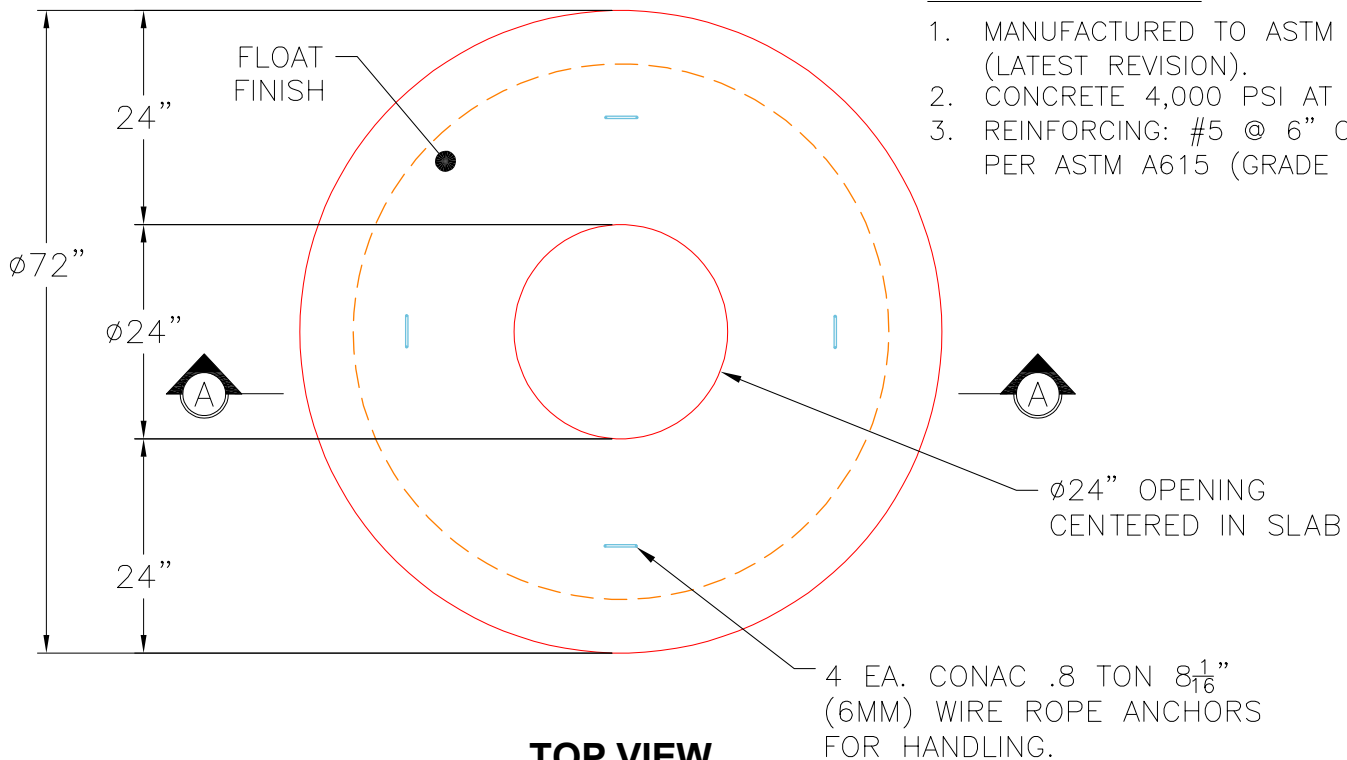
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) CASTING - HOE MC-375 F/C Storm
- 3) 60" - Con seal CS-102 1.00" (Double)
- 1) 24" - Con seal CS-102 1.00" (Double)
- 2) Hole - 16

0 lb Structure Notes:
2674 lb 1. PER ASTM C478 SPECIFICATIONS.
7516 lb 2. CONCRETE = 4,000 PSI AT 28 DAYS.
7312 lb 3. CASTING BY ICAST (HOE MC-375 F/C "STORM").
5552 lb 4. LIFTING ANCHORS TO BE INSTALLED
0 lb ON THE OUTSIDE OF THE STRUCTURE.
0 lb
0 lb
271 lb REINFORCING PER ASTM A615 (GRADE 60).
0 lb - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
0 lb - RISER/WALLS (As .18)
0 lb - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

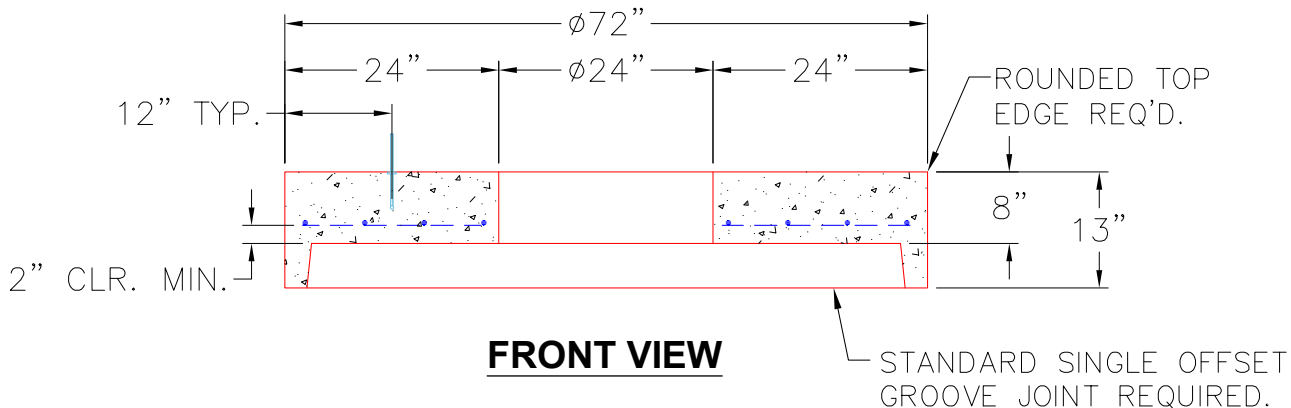
Structure Total: 23325 lb

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 6" C.C. E.W. PER ASTM A615 (GRADE 60)



TOP VIEW



FRONT VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 2674 lb
Volume (Net): 0.68cu.yd

Job Name: 26-1549 Cowan St. Trunk Sewer
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: 100

8/5/2026 9:31:23 AM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: MH-3-4 SS-MH

P1 MH084BAEVFX

MH BASE w/FLANGE (12F/14EF) w/XYPEX

- P6) 30" - CASTING HEIGHT - 6"
P5) 84" - MH FLAT TOP w/2X 30" Holes ECC w/XYPEX - 17"
P4) 84" - MH RISER w/XYPEX - 84"
P3) 84" - MH RISER w/XYPEX - 96"
P2) 84" - MH RISER w/XYPEX - 96"
P1) 84" - MH BASE w/FLANGE (12F/14EF) w/XYPEX - 93"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ADMIXTURE XYPEX C-1000 RED
1) SECONDARY POUR - EXT. FLANGE
2) CASTING - JBS 1312 F/C SANITARY
4) 84" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1840

FIRST POUR DRAWING

WEIGHTS:

FIRST POUR: 21,955 LBS

SECOND POUR: 5,049 LBS

TOTAL: 27,004 LBS

- 0 lb Structure Notes:
6992 lb PLAN LABEL: MH-3
16298 lb 1. JBS 1312 F/C SANITARY PROVIDED BY ICAST.
18626 lb 2. PER ASTM C478 SPECIFICATIONS.
18626 lb 3. CONCRETE = 4,000 PSI AT 28 DAYS.
27004 lb 4. ADMIXTURE = XYPEX C-1000 RED.
0 lb 5. REINFORCING PER ASTM A615 (GRADE 60).
0 lb - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
0 lb - RISER/WALLS (As .24)
600 lb - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.
0 lb 6. ANY REQUIRED INTERIOR COATINGS TO BE
2 lb SUPPLIED & APPLIED BY OTHERS.
7. **NO STEPS**

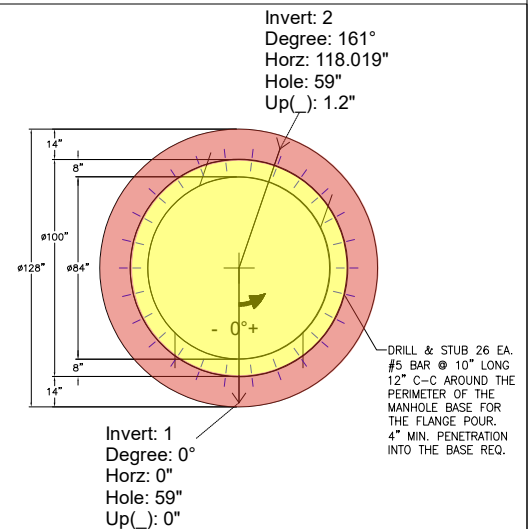
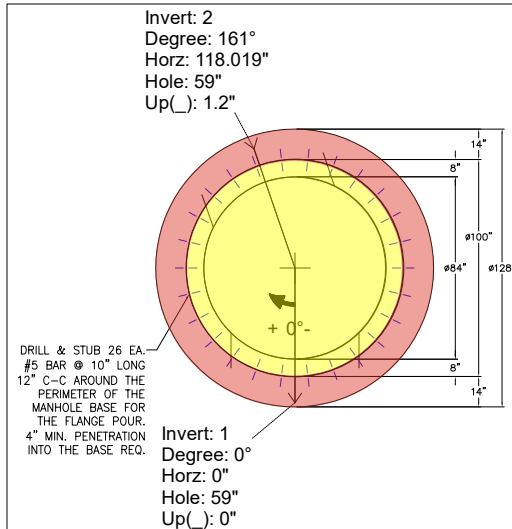
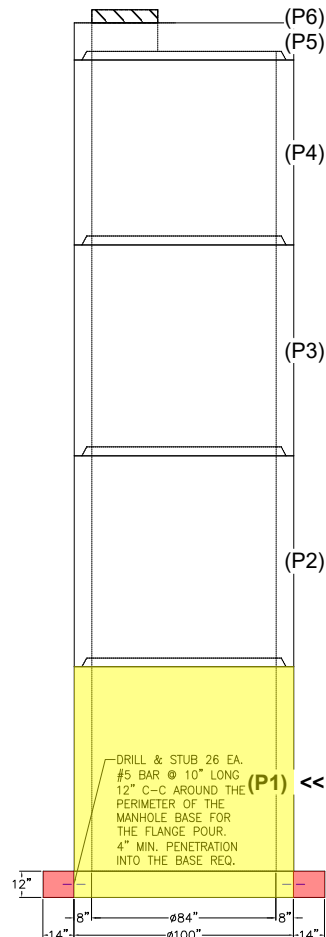
Structure Total: 88148 lb

Rim: 415.85' Rim to Invert: 32.54' Slack: 0.98" Sump: 2.5" Step Position:

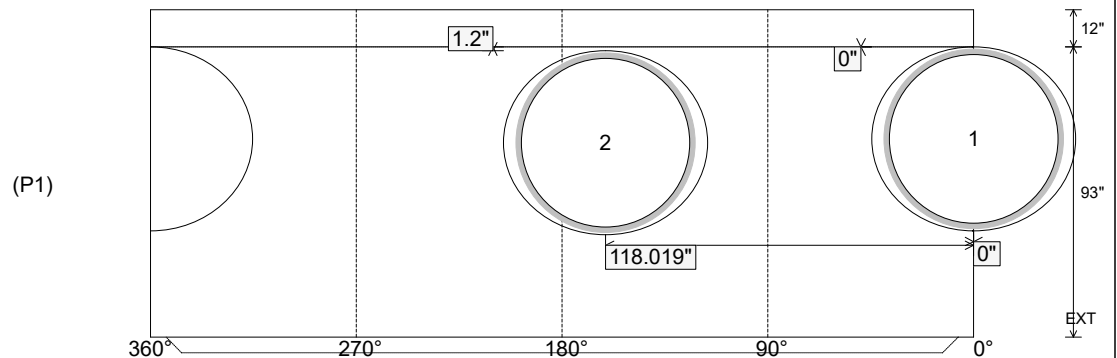
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	383.31'	0°	0"	54" DI	57.5"	A-Lok 1840	59"	65.414"	0"	0"
Invert 2	383.41'	161°	140.499"	54" DI	57.5"	A-Lok 1840	59"	65.414"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 12"

Height (Int): 93"
Height (Ext): 105"

Weight (Net): 27004 lb
Volume (Net): 6.9cu.yd

Job Name: 26-1549 Cowan St. Trunk Sewer
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: 100

8/5/2026 9:31:23 AM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: MH-3-4 SS-MH

P1 MH084BAEVFX

MH BASE w/FLANGE (12F/14EF) w/XYPEX

- P6) 30" - CASTING HEIGHT - 6"
P5) 84" - MH FLAT TOP w/2X 30" Holes ECC w/XYPEX - 17"
P4) 84" - MH RISER w/XYPEX - 84"
P3) 84" - MH RISER w/XYPEX - 96"
P2) 84" - MH RISER w/XYPEX - 96"
P1) 84" - MH BASE w/FLANGE (12F/14EF) w/XYPEX - 93"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ADMIXTURE XYPEX C-1000 RED
1) SECONDARY POUR - EXT. FLANGE
2) CASTING - JBS 1312 F/C SANITARY
4) 84" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1840

SECOND POUR DRAWING

WEIGHTS:

FIRST POUR: 21,955 LBS

SECOND POUR: 5,049 LBS

TOTAL: 27,004 LBS

- 0 lb Structure Notes:
6992 lb PLAN LABEL: MH-3
16298 lb 1. JBS 1312 F/C SANITARY PROVIDED BY ICAST.
18626 lb 2. PER ASTM C478 SPECIFICATIONS.
18626 lb 3. CONCRETE = 4,000 PSI AT 28 DAYS.
27004 lb 4. ADMIXTURE = XYPEX C-1000 RED.
0 lb 5. REINFORCING PER ASTM A615 (GRADE 60).
0 lb - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
0 lb - RISER/WALLS (As .24)
600 lb - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.
0 lb 6. ANY REQUIRED INTERIOR COATINGS TO BE
2 lb SUPPLIED & APPLIED BY OTHERS.
7. **NO STEPS**

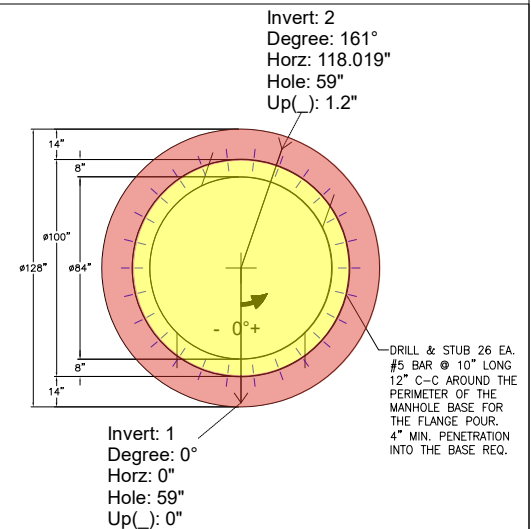
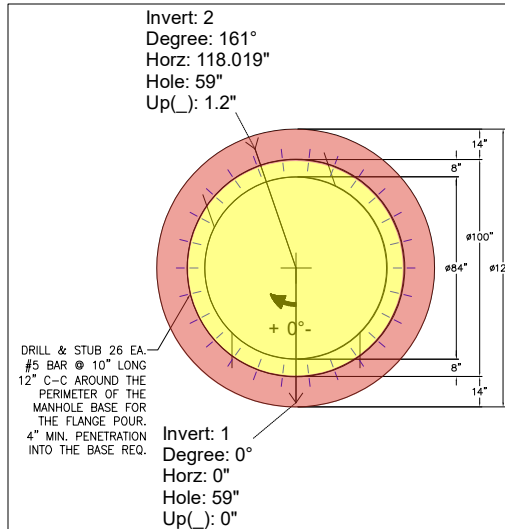
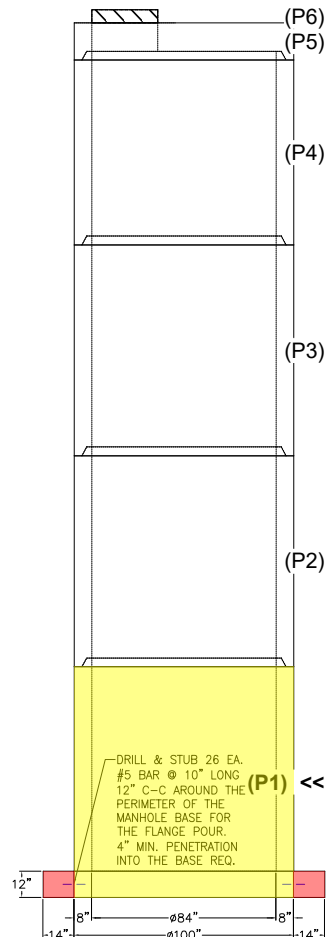
Structure Total: 88148 lb

Rim: 415.85' Rim to Invert: 32.54' Slack: 0.98" Sump: 2.5" Step Position:

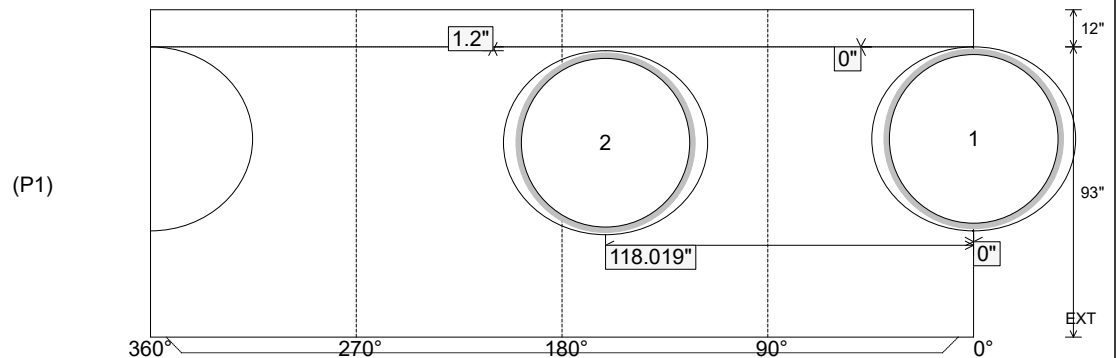
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	383.31'	0°	0"	54" DI	57.5"	A-Lok 1840	59"	65.414"	0"	0"
Invert 2	383.41'	161°	140.499"	54" DI	57.5"	A-Lok 1840	59"	65.414"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 12"

Height (Int): 93"
Height (Ext): 105"

Weight (Net): 27004 lb
Volume (Net): 6.9cu.yd

Job Name: 26-1814 - Brownsville Sewer System Additions

Job Location: Cave City, KY

Contractor: Luttrell & Sons, LLC

Plant: 100

8/4/2026 6:58:40 PM

Tech: Jared - F

PC: A. Chambers

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: QL6

P2MH096RS84

MH RISER T/G

P5) 37" x 59" - HATCH (CAST FLUSH) - 3"

P4) 96" - MH FLAT TOP w/37"x59" Hatch F/G - 17"

P3) 96" - MH RISER Custom Ht T/G - 25"

P2) 96" - MH RISER T/G - 84"

P1) 96" - MH BASE EF Cust. Ht. 18"F (24"EF =162"OD) T/n - 36"

3) JOINT WRAP - 12" WD x 096" MAC WRAP

3) 96" - Conseal CS-231 1.00" (Double)

2) PSX - 12-06 NYLO

1) PSX - 8QRS-S NYLO

1) PSX - 12-08 NYLO

NOTE:

4 EA. 5CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING – INSTALLED AT 45, 135, 225, & 315, 24" FROM TOP OF WALLS

100 lb

8296 lb

6228 lb

20622 lb

40101 lb

0 lb

0 lb

16 lb

6 lb

8 lb

Structure Total: 75377 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. 37" X 59" USF ALUMINIUM DOUBLE DOOR HATCH APD TO BE SUPPLIED BY OTHERS & CAST-IN INTO CENTER OF TOP SLAB BY ICAST.

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. (DOUBLE MAT)

- RISER/WALLS (As .24)

- FLOOR (As .47) TOP AND BTM LAYER AT #5 BARS AT 12" C.C.E.W.

Rim: 546'

Rim to Invert: 8.75'

Slack: 0"

Sump: 57"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	541.25'	0°	16.25"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.78"	61"	16"
Invert 2	541.25'	0°	-16.25"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.78"	61"	-16"
Invert 3	539.75'	0°	0"	3" PVC SDR35	3.25"	PSX 8QRS-S NYLO	8"	8.009"	43.5"	0"
Invert 4	537.25'	234°	232.75"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.031"	14"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P5)

(P4)

(P3)

(P2) <<

(P1)

Invert: 4

Degree: 234°

Horz: 196"

Hole: 12"

Up(): 14"

Invert: 3

Degree: 0°

Horz: 0"

Hole: 8"

Up(): 43.5"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 12"

Up(): 61"

Invert: 2

Degree: 0°

Horz: 0"

Hole: 12"

Up(): 61"

16"

16"

32"

C.C.

INSIDE WALL DIMENSIONS

16.25"

90°

180°

270°

-16.25"

360°

0"

61"

43.5"

196"

14"

84"

EXT

(P2)

①

②

③

④

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 9"

Floor Height: 0"

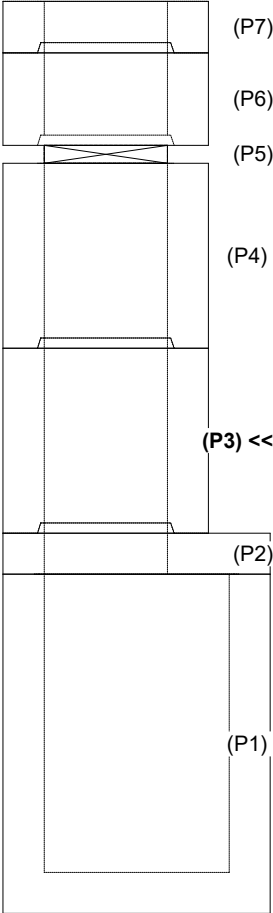
Height (Int): 84"

Height (Ext): 84"

Weight (Net): 20622 lb

Volume (Net): 5.27cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:59:20 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 272 (437+45 RT)											
P3 BX2436-08R36			BOX RISER 8inW T/G								
P7) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P6) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P5) 24" x 36" - FIELD ADJUSTMENT - 3.5" P4) 24" x 36" - BOX RISER 8inW F/G - 36" P3) 24" x 36" - BOX RISER 8inW T/G - 36" P2) 36" x 48" - CB FT REDUCER 24"X36" HOLE T/F - 8" P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 58" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 36" x 48" - Conseal CS-102 1.00" 3) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 44 1) Hole - 20 1) Hole - 22 1) Hole - 6						3400 lb 5270 lb 0 lb 3188 lb 3673 lb 1654 lb 7980 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 25371 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HOE KY-206 F/C CAST INTO TOP SLAB. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W (DBL MAT) - WALLS (As .31) #5 BARS AT 6" C.C.E.W. - FLOOR (As .31) #5 BARS AT 6" C.C.E.W.			
Rim: 546.02'		Rim to Invert: 14.15'		Slack: 0.3"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P7)

(P6)

(P5)

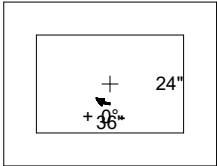
(P4)

(P3) <<

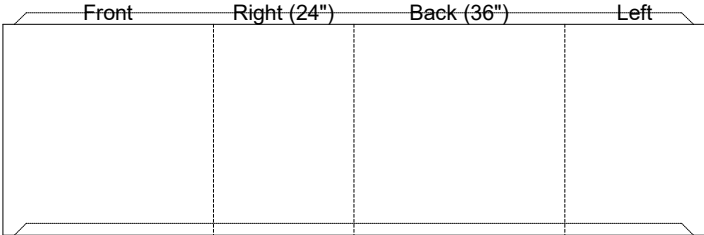
(P2)

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

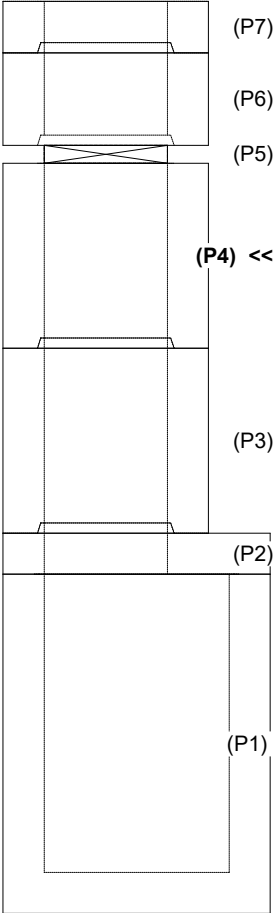


(P3)

EXT 36"

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 3673 lb Volume (Net): 0.94cu.yd
----------------------------------	------------------------------------	--	--	--

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC				Plant: Beaver Dam 7/30/2026 8:59:21 AM		Tech: J. Horsley PC: C. Goff						
Structure ID: 272 (437+45 RT)												
P4 BX2436-08R36				BOX RISER 8inW F/G								
P7) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P6) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P5) 24" x 36" - FIELD ADJUSTMENT - 3.5" P4) 24" x 36" - BOX RISER 8inW F/G - 36" P3) 24" x 36" - BOX RISER 8inW T/G - 36" P2) 36" x 48" - CB FT REDUCER 24"X36" HOLE T/F - 8" P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 58" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 36" x 48" - Conseal CS-102 1.00" 3) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 44 1) Hole - 20 1) Hole - 22 1) Hole - 6						3400 lb 5270 lb 0 lb 3188 lb 3673 lb 1654 lb 7980 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HOE KY-206 F/C CAST INTO TOP SLAB. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - TRANS. SLAB (As .62) #5 BARS AT 6" C.C.E.W (DBL MAT) - WALLS (As .31) #5 BARS AT 6" C.C.E.W. - FLOOR (As .31) #5 BARS AT 6" C.C.E.W.				
Rim: 546.02' Rim to Invert: 14.15' Slack: 0.3" Sump: 0" Step Position:						Structure Total: 25371 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1												
Invert 2	541.27'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	7.5"	0"		
Invert 3												
Invert 4	541.27'	180°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	6.55"	0"		
Invert 5	542.55'	90°	26"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	23.76"	0"		
Invert 6												
Invert 7												
Invert 8												



(P7)

(P6)

(P5)

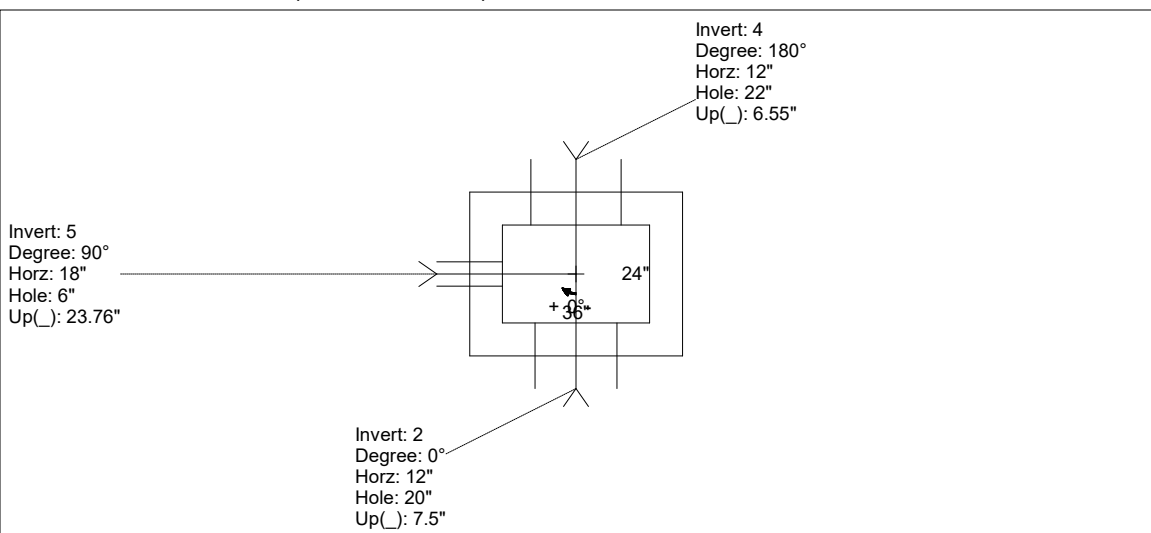
(P4) <<

(P3)

(P2)

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

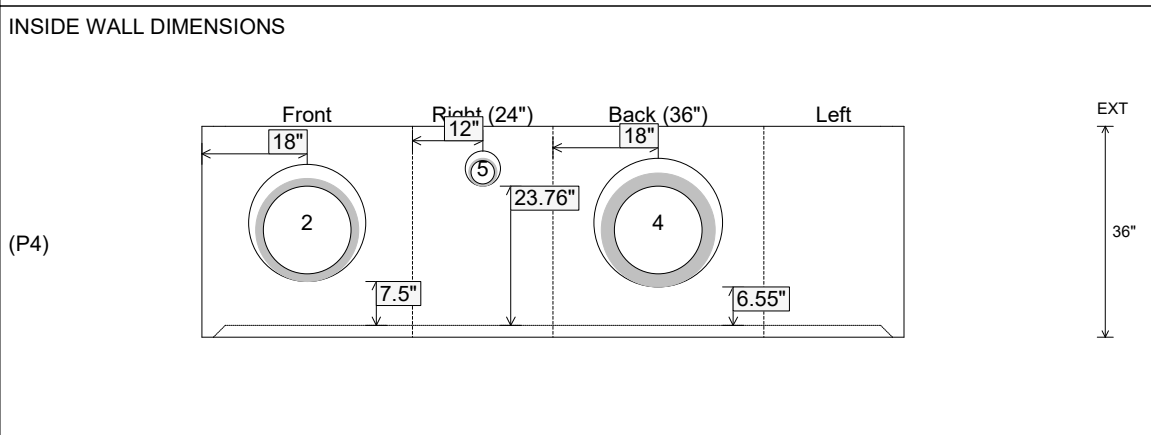


Invert: 4
Degree: 180°
Horz: 12"
Hole: 22"
Up(): 6.55"

Invert: 5
Degree: 90°
Horz: 18"
Hole: 6"
Up(): 23.76"

Invert: 2
Degree: 0°
Horz: 12"
Hole: 20"
Up(): 7.5"

INSIDE WALL DIMENSIONS



Front 18"

Right (24") 12"

Back (36") 18"

Left

23.76"

7.5"

6.55"

36"

EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 3188 lb Volume (Net): 0.81cu.yd
----------------------------------	----------------------------------	--	--	--

Job Name: 26-3166 Rolling Hills PRETX
Job Location: Franklin, TN
Contractor: Convergent Water Technologies

Plant: Beaver Dam
8/7/2026 8:45:16 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: FB2 ST-DBI

P1 BX4848-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 24" - CASTING HEIGHT - 0"
P2) 48" x 48" - BX FLAT LID 8inW SPEC. W/ MCS-288 - 6"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 38"
1) CASTING - HOE MCS-288 F/C Cast-IN
1) SECONDARY POUR - WEIR WALL - *
1) 48" x 48" - Conseal CS-102 1.00"
1) SQ. Hole - 48"x19.75"
1) DOGHOUSE INVRTD - 22"x23.25"

Structure Total:

- 0 lb
1834 lb
7670 lb
125 lb
387 lb
0 lb
0 lb
0 lb
10017 lb
- Structure Notes:**
1. JR HOE MCS-288 F/C BY ICAST.
2. FRAME TO BE CAST INTO THE TOP SLAB.
3. PER ASTM C913 SPEC'S.
4. CONCRETE = 4,000 PSI AT 28 DAYS.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .40) #4 BARS AT 6" C.C.E.W.
- WALLS (As .40) #4 BARS AT 6" C.C.E.W.
- FLOOR (As .40) #4 BARS AT 6" C.C.E.W..
6. (TRASH SCREEN SUPPLIED & INSTALLED BY OTHERS)

Rim: 713.75' Rim to Invert: 2.15' Slack: 0.04" Sump: 18.24" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	711.6'	270°	32"	48" x 19.75" SQ. Hole	48" x 19.75"	SQ. Hole 48"x19.75"	48" x 19.75"	48"	18.24"	0"
Invert 2	711.6'	90°	32"	15" RCP B WALL	19.5"	DOGHOUSE INVRTD 22"x23.25"	22" x 23.25"	22"	14.115"	0"

UPSIDE DOWN VIEW

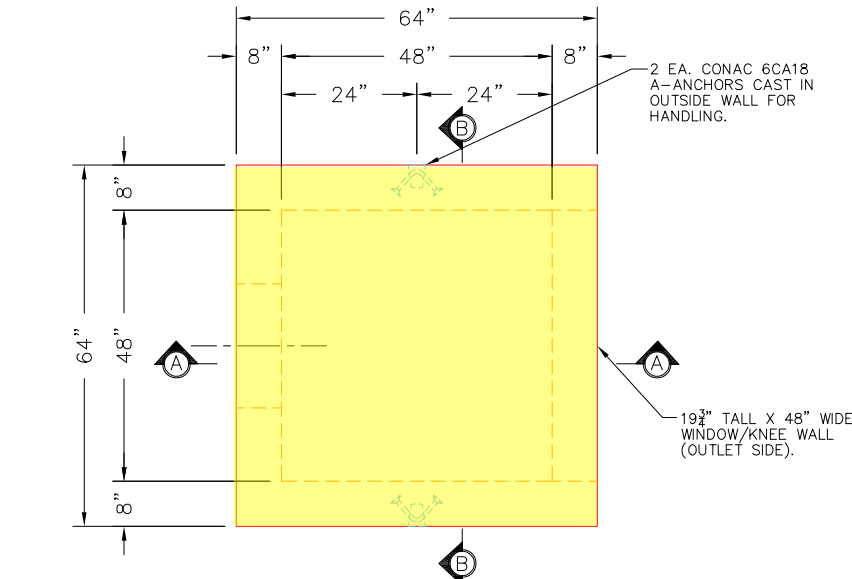
FIRST POUR DRAWING

WEIGHTS

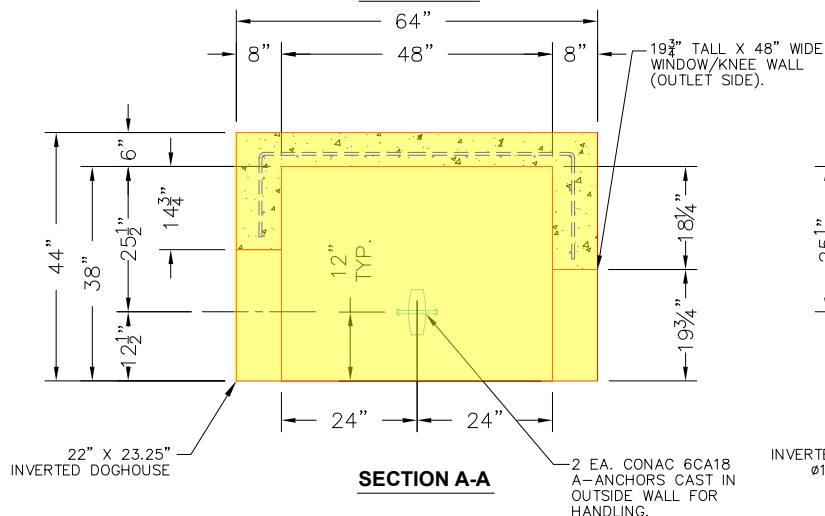
FIRST POUR - 7,670 LBS

SECOND POUR - 387 LBS

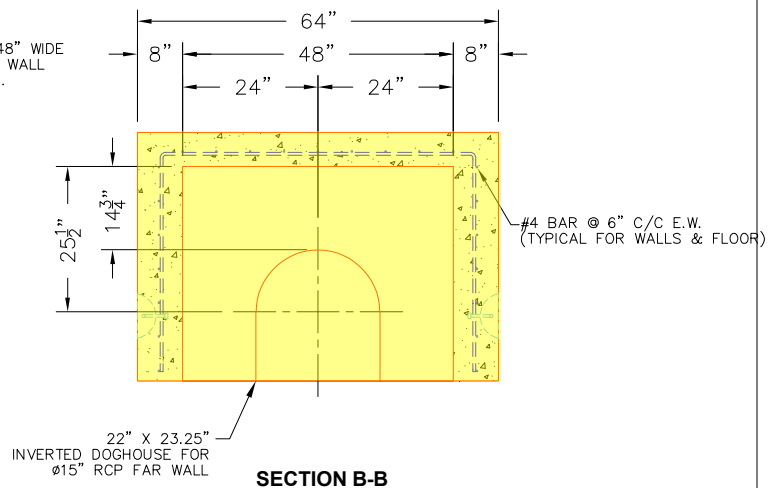
TOTAL - 8,057 LBS



PLAN VIEW



SECTION A-A



SECTION B-B

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 7670 lb Volume (Net): 1.96cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 26-3166 Rolling Hills PRETX
Job Location: Franklin, TN
Contractor: Convergent Water Technologies

Plant: Beaver Dam

8/7/2026 8:45:16 AM

Tech: J. Coppage

PC: C. Goff



Structure ID: FB2 ST-DBI

P1 BX4848-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

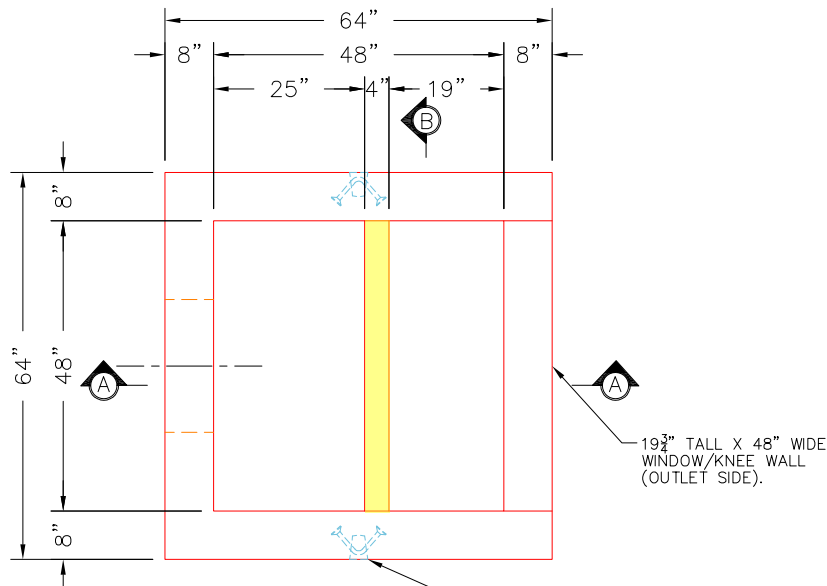
- P3) 24" - CASTING HEIGHT - 0"
P2) 48" x 48" - BX FLAT LID 8inW SPEC. W/ MCS-288 - 6"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 38"
1) CASTING - HOE MCS-288 F/C Cast-IN
1) SECONDARY POUR - WEIR WALL - *
1) 48" x 48" - Conseal CS-102 1.00"
1) SQ. Hole - 48"x19.75"
1) DOGHOUSE INVRTD - 22"x23.25"

Structure Total:

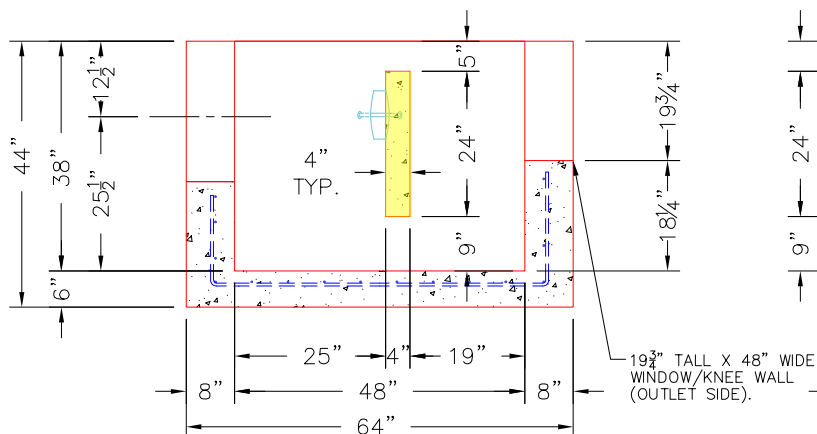
- 0 lb
1834 lb
7670 lb
125 lb
387 lb
0 lb
0 lb
0 lb
10017 lb
- Structure Notes:**
1. JR HOE MCS-288 F/C BY ICAST.
2. FRAME TO BE CAST INTO THE TOP SLAB.
3. PER ASTM C913 SPEC'S.
4. CONCRETE = 4,000 PSI AT 28 DAYS.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .40) #4 BARS AT 6" C.C.E.W.
- WALLS (As .40) #4 BARS AT 6" C.C.E.W.
- FLOOR (As .40) #4 BARS AT 6" C.C.E.W..
6. (TRASH SCREEN SUPPLIED & INSTALLED BY OTHERS)

Rim: 713.75' Rim to Invert: 2.15' Slack: 0.04" Sump: 18.24" Step Position:

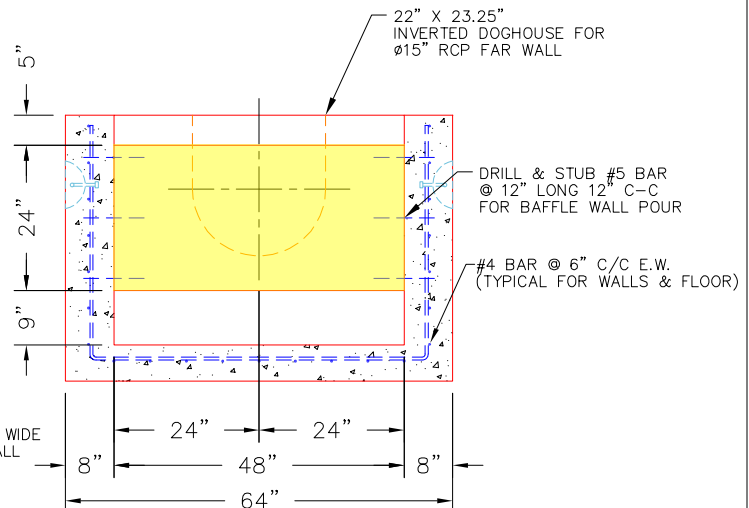
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	711.6'	270°	32"	48" x 19.75" SQ. Hole	48" x 19.75"	SQ. Hole 48"x19.75"	48" x 19.75"	48"	18.24"	0"
Invert 2	711.6'	90°	32"	15" RCP B WALL	19.5"	DOGHOUSE INVRTD 22"x23.25"	22" x 23.25"	22"	14.115"	0"



PLAN VIEW



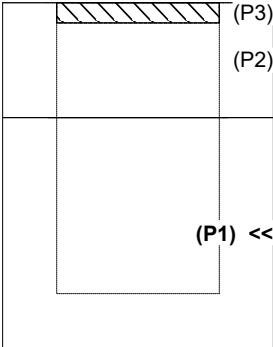
SECTION A-A



SECTION B-B

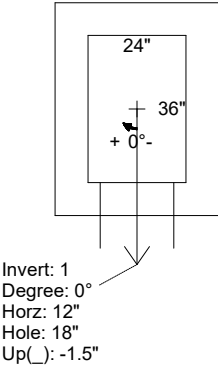
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 7670 lb Volume (Net): 1.96cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:32 AM		Tech: J. Coppage PC: T. Ryan				
Structure ID: 5088+83 RT CBBI-MOD B1											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht							
P3) 24" x 120" - CASTING (cast in) - 3" P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 26" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 18					0 lb 4000 lb 3878 lb 0 lb 0 lb ----- Structure Total: 7878 lb		Structure Notes: . -KYTC STATE PROJECT 251007 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.) -CASTING FRAMES & GRATES BY OTHERS. -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST). -KYTC CERTIFICATIONS REQUIRED.				
Rim: 583.47' Rim to Invert: 3.9' Slack: 3.8" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	579.57'	0°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



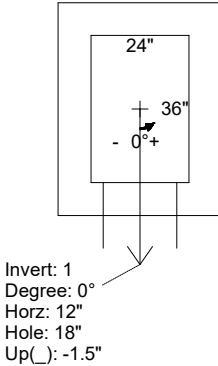
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



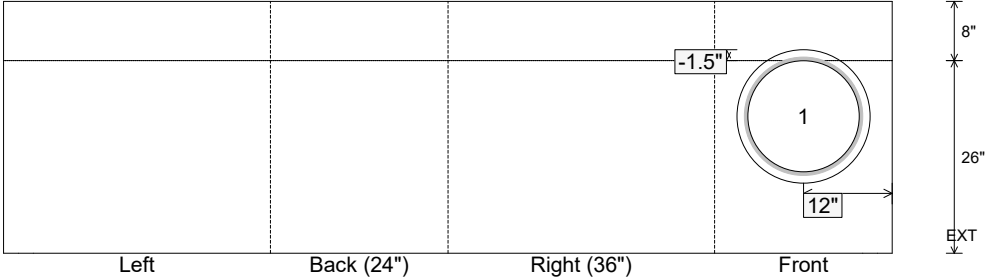
Invert: 1
Degree: 0°
Horz: 12"
Hole: 18"
Up(_): -1.5"

UPSIDE-DOWN VIEW (int. dimenions)



Invert: 1
Degree: 0°
Horz: 12"
Hole: 18"
Up(_): -1.5"

INSIDE WALL DIMENSIONS

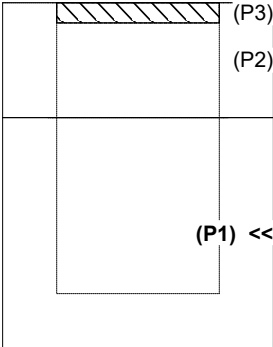
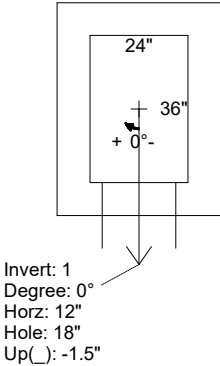
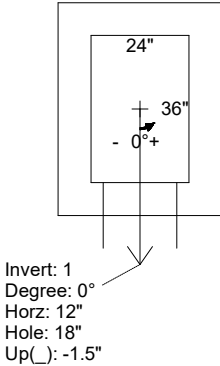
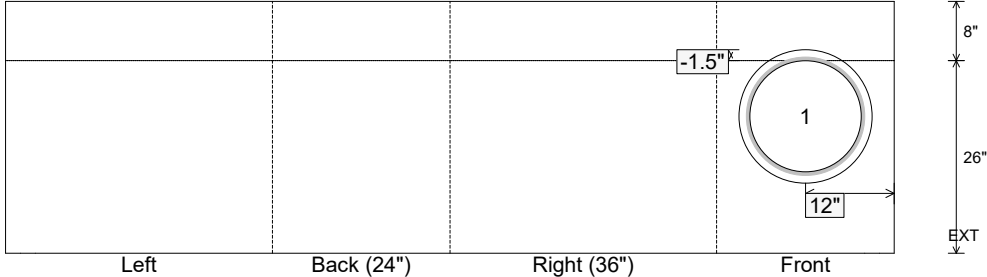


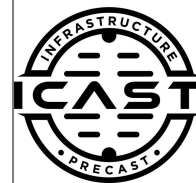
(P1)

Left Back (24") Right (36") Front

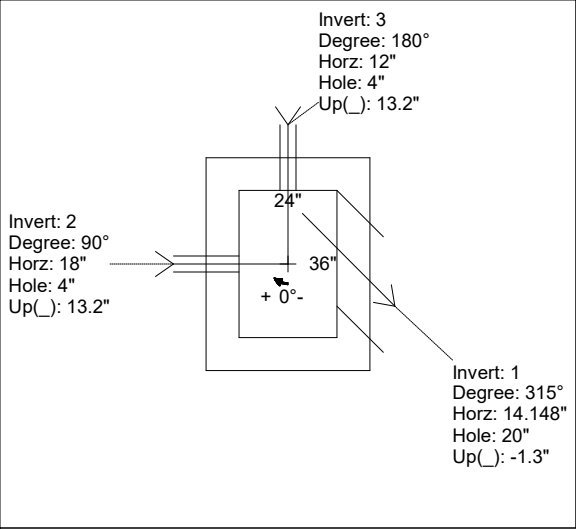
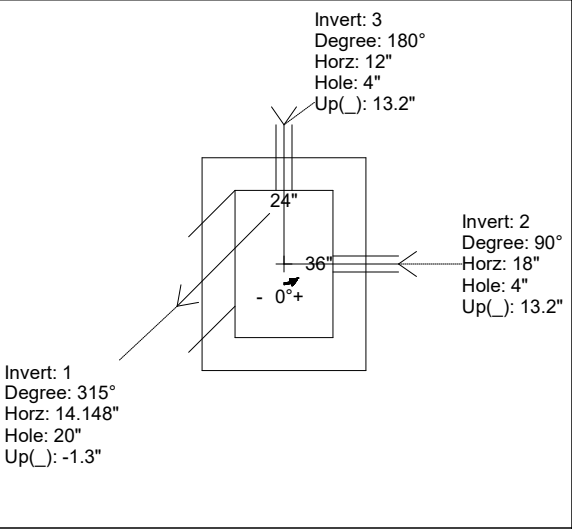
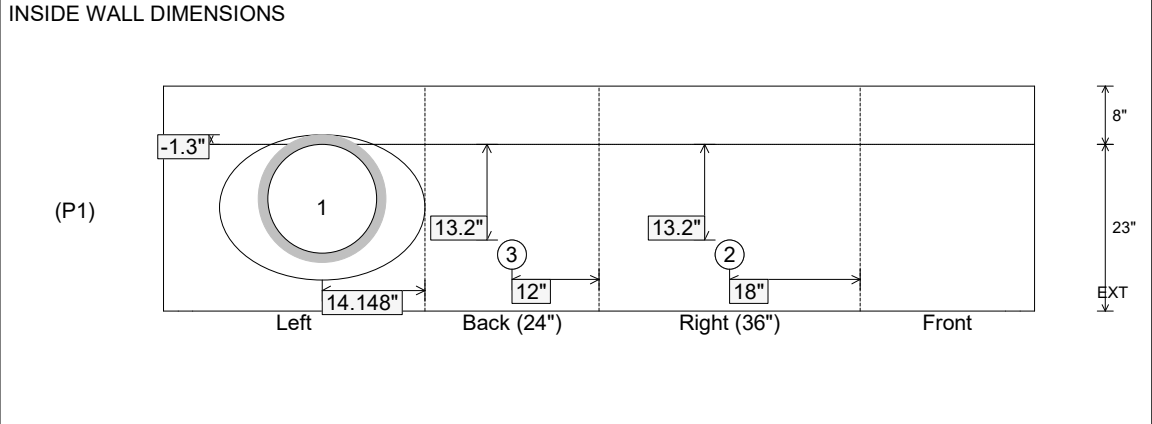
12" 1" 0° -1.5" 24" 36" 12" 18" 1" 0° -1.5"

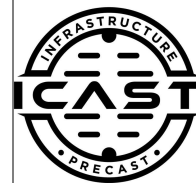
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 26" Height (Ext): 34"	Weight (Net): 3878 lb Volume (Net): 0.99cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:31 AM		Tech: J. Coppage PC: T. Ryan					
Structure ID: 5086+83 RT CBBI-MOD B1												
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht								
P3) 24" x 120" - CASTING (cast in) - 3" P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 26" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 18					0 lb 4000 lb 3878 lb 0 lb 0 lb ----- 7878 lb		Structure Notes: . -KYTC STATE PROJECT 251007 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.) -CASTING FRAMES & GRATES BY OTHERS. -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST). -KYTC CERTIFICATIONS REQUIRED.					
Rim: 582.7'					Rim to Invert: 3.9'		Slack: 3.8"		Sump: 0"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	578.8'	0°	20"	15" CMP	16"	Hole 18	18"	18"	-1.5"	0"		
Invert 2												
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												
					RIGHT-SIDE UP VIEW (int. dimensions)					UPSIDE-DOWN VIEW (int. dimenions)		
												
(P1)					INSIDE WALL DIMENSIONS							
												
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 26" Height (Ext): 34"		Weight (Net): 3878 lb Volume (Net): 0.99cu.yd			



Coating (Int):	Seam Up: Flat	Wall Thickness: 8"	Height (Int): 60"	Weight (Net): 7857 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 8"	Height (Ext): 68"	Volume (Net): 2.01cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:22 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 238 (426+83 LT)											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P3) 15" x 27" - P.I.P. - BY OTHERS - 8" P2) 24" x 36" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 23" 1) CASTING - HOE KY-230-G F/G (GRADE) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 20 2) Hole - 4						0 lb 1124 lb 3428 lb 237 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4789 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-230 F/G). 4. STUB #5 BARS UP 6" AROUND 15x27 OPENING IN TOP SLAB (SPA@12"C/C) REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. (DBL MAT). - WALLS (As .31) #5 BARS AT 12" C.C.E.W.. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 541.9'		Rim to Invert: 3.25'		Slack: 0"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	538.65'	315°	30.148"	15" HDPE	17.6"	Hole 20	20"	28.284"	-1.3"	-11.209"	
Invert 2	539.75'	90°	26"	4" WEEP HOLE	4"	Hole 4	4"	4"	13.2"	0"	
Invert 3	539.75'	180°	20"	4" WEEP HOLE	4"	Hole 4	4"	4"	13.2"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions) 											
INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 23" Height (Ext): 31"		Weight (Net): 3428 lb Volume (Net): 0.88cu.yd	



Weight (Net): 5104 lb
Volume (Net): 1.3cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:30:02 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 589

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

P3) 24" x 120" - CB INLET KY A 10' TOP LEFT - 10"

P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT - 18"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 29"

1) CASTING - HOE KY-206 F/C (KY TY1)

1) 24" x 36" - Conseal CS-102 1.00"

1) Hole - 24

2) Hole - 8

3400 lb

5270 lb

3984 lb

206 lb

0 lb

0 lb

0 lb

Structure Total: 12860 lb

Structure Notes:

** KYTC STATE PROJECT **

1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST.

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

3. REINFORCING PER ASTM A615 (GRADE 60).

- TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W.

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

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

4. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST

FRAME TO BE CAST INTO TOP PHASE TOP FLANGE

SIDE UP

Rim: 882.04'

Rim to Invert: 4.75'

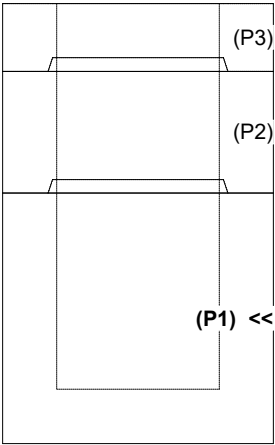
Slack: 0"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	877.29'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	878.87'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	16.96"	0"
Invert 3	878.87'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	16.96"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

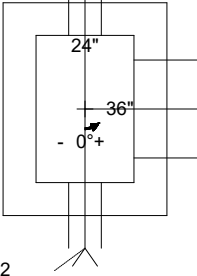


Invert: 1
Degree: 90°
Horz: 18"
Hole: 24"
Up(): -3"

Invert: 2
Degree: 0°
Horz: 12"
Hole: 8"
Up(): 16.96"

Invert: 3
Degree: 180°
Horz: 12"
Hole: 8"
Up(): 16.96"

UPSIDE-DOWN VIEW (int. dimensions)

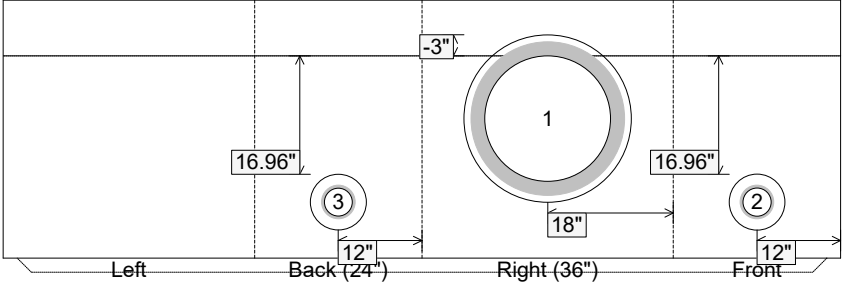


Invert: 1
Degree: 90°
Horz: 18"
Hole: 24"
Up(): -3"

Invert: 2
Degree: 0°
Horz: 12"
Hole: 8"
Up(): 16.96"

Invert: 3
Degree: 180°
Horz: 12"
Hole: 8"
Up(): 16.96"

INSIDE WALL DIMENSIONS



Left

Back (24")

Right (36")

Front

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 29"

Height (Ext): 37"

Weight (Net): 3984 lb

Volume (Net): 1.02cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:29:51 PM

Tech: Jared - A

PC: J. Jarvis

Structure ID: 476

P1 BX24300808VF

BOX BASE 8inW, 8inF, Variable Ht

P4) 15" x 27" - P.I.P. - BY OTHERS - 8"

P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"

P2) 24" x 30" - BOX RISER 8inW - 30"

P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 43"

1) CASTING - HOE KY-230-G F/G (GRADE)

2) 24" x 30" - Conseal CS-102 1.00"

1) 15" x 27" - Conseal CS-102 1.00"

2) Hole - 24

2) Hole - 4

0 lb

963 lb

2803 lb

4669 lb

237 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 8672 lb

Structure Notes:

KYTC STATE PROJECT

1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.

2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB

(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE

Rim: 893'

Rim to Invert: 7.44'

Slack: 0.28"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	885.56'	90°	23"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	885.56'	270°	23"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	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: 8"

Floor Height: 8"

Height (Int): 43"

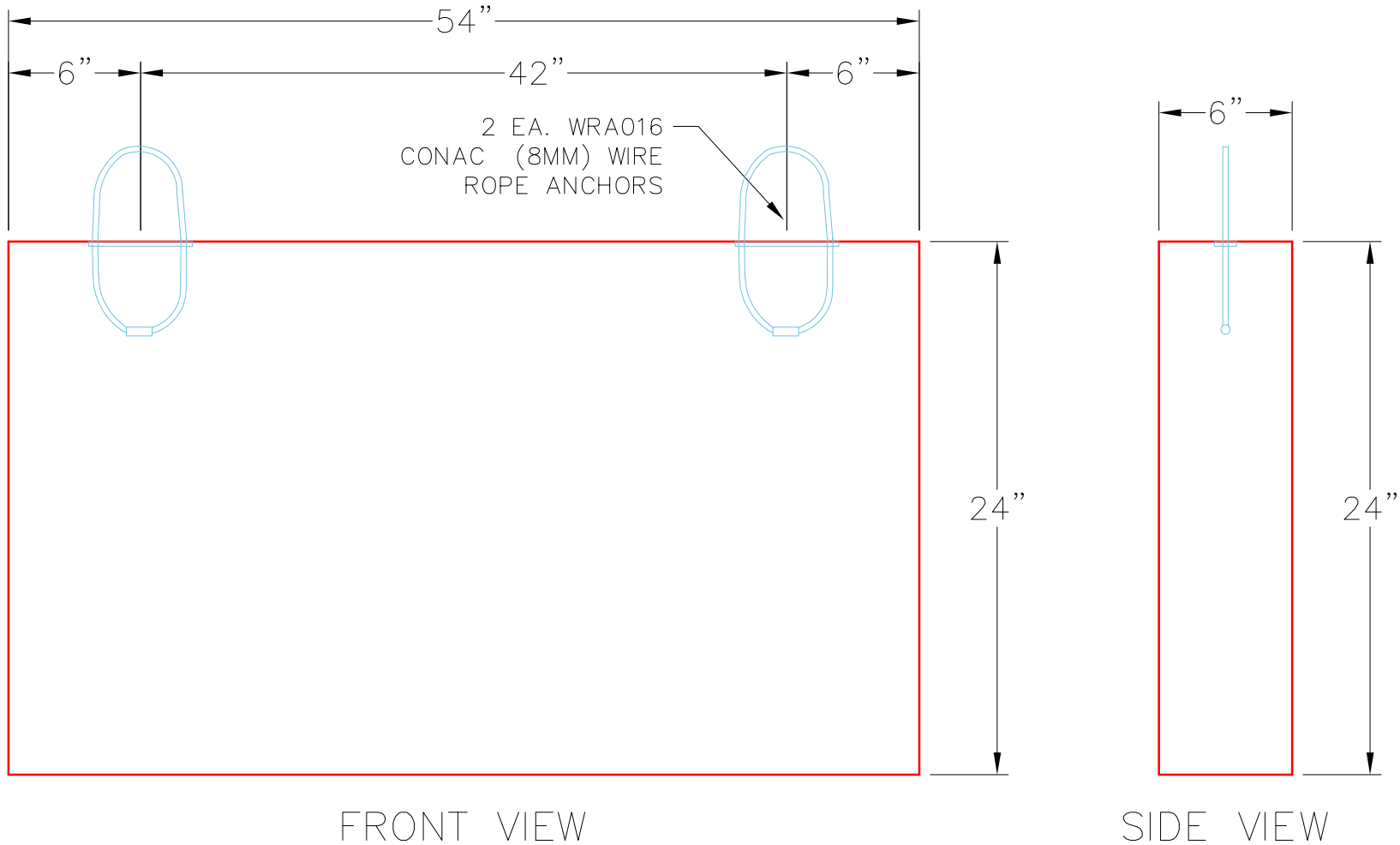
Height (Ext): 51"

Weight (Net): 4669 lb

Volume (Net): 1.19cu.yd

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 12" C/C E.W. 2" COVER MIN.
4. WEIGHT: 653 LBS. EACH
5. CONTRACTOR TO SECURE FES TOE TO THE FES.



PRODUCTION WORK ORDER		PRODUCT I.D.: FES24B-TB	DESCRIPTION: TOE FOR 24" FES	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: RUSSELL'S EXCAVATING	
		PLANT: BEAVER DAM, KY.	PROJECT: PROJECT COLT	
		WEIGHT: 653 LBS.	STRUCTURE: 403-33 FES TOE	
		TOP SECTION JOINT: N/A	ORDER NO: 26-1227	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: J. COPPAGE
		QC CHECK INITIALS:	DATE: 6/26/26	SCALE: NTS PG. 1 of 1

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:28:49 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 4016+80 LT CBBI-MOD A1

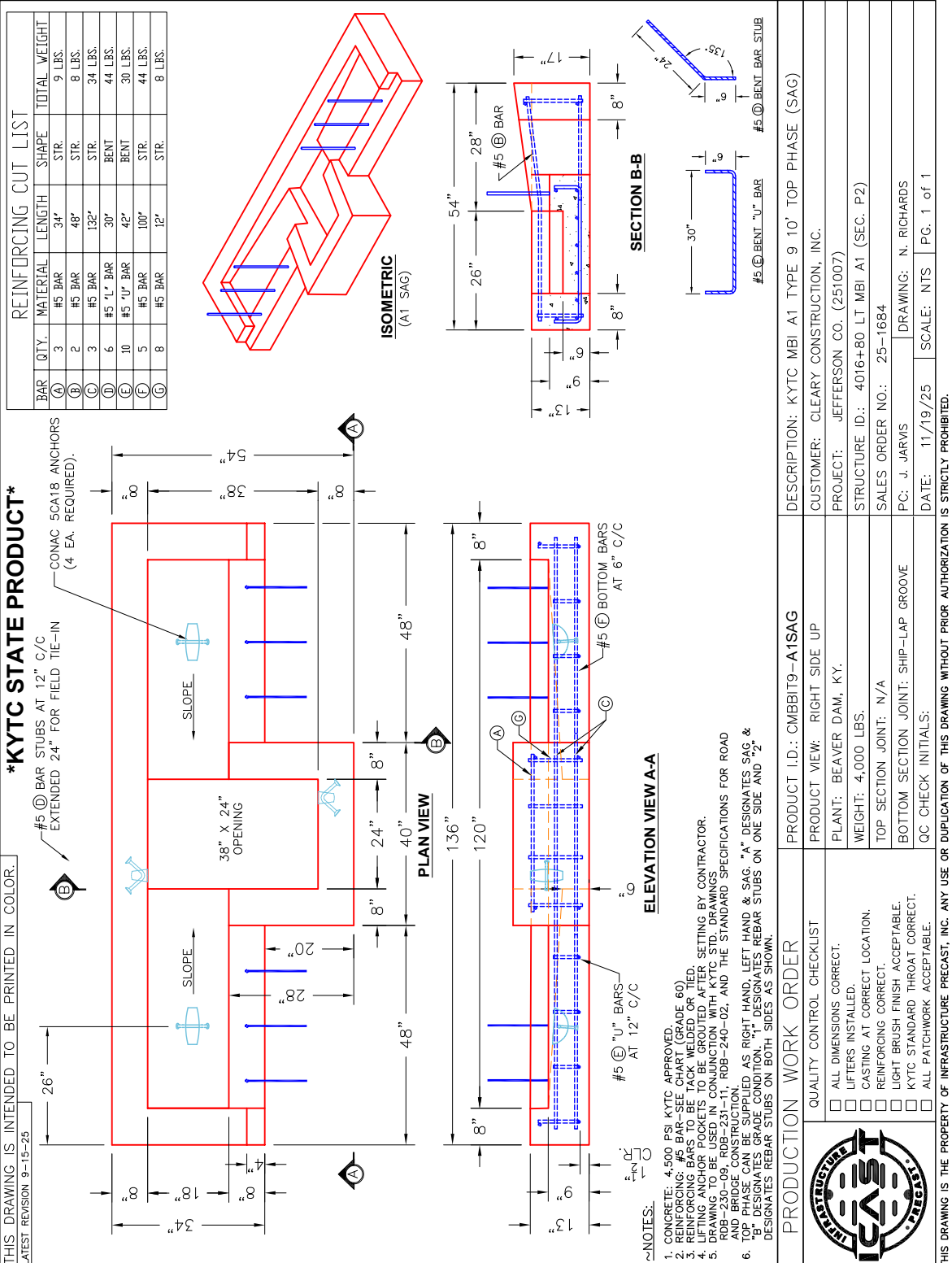
P2 CMBBIT9-A1SG

CB MED BAR BOX INLET 9A1 SAG

- P3) 24" x 120" - CASTING (cast in) - 3"
P2) 24" x 120" - CB MED BAR BOX INLET 9A1 SAG - 17"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 26"
1) 24" x 36" - Con seal CS-102 1.00"
1) Hole - 18

0 lb
4000 lb
3878 lb
0 lb
0 lb
Structure Total: 7878 lb

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 17"

Weight (Net): 4000 lb
Volume (Net): 0cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:28:42 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 5080+02 RT CBBI-MOD B1

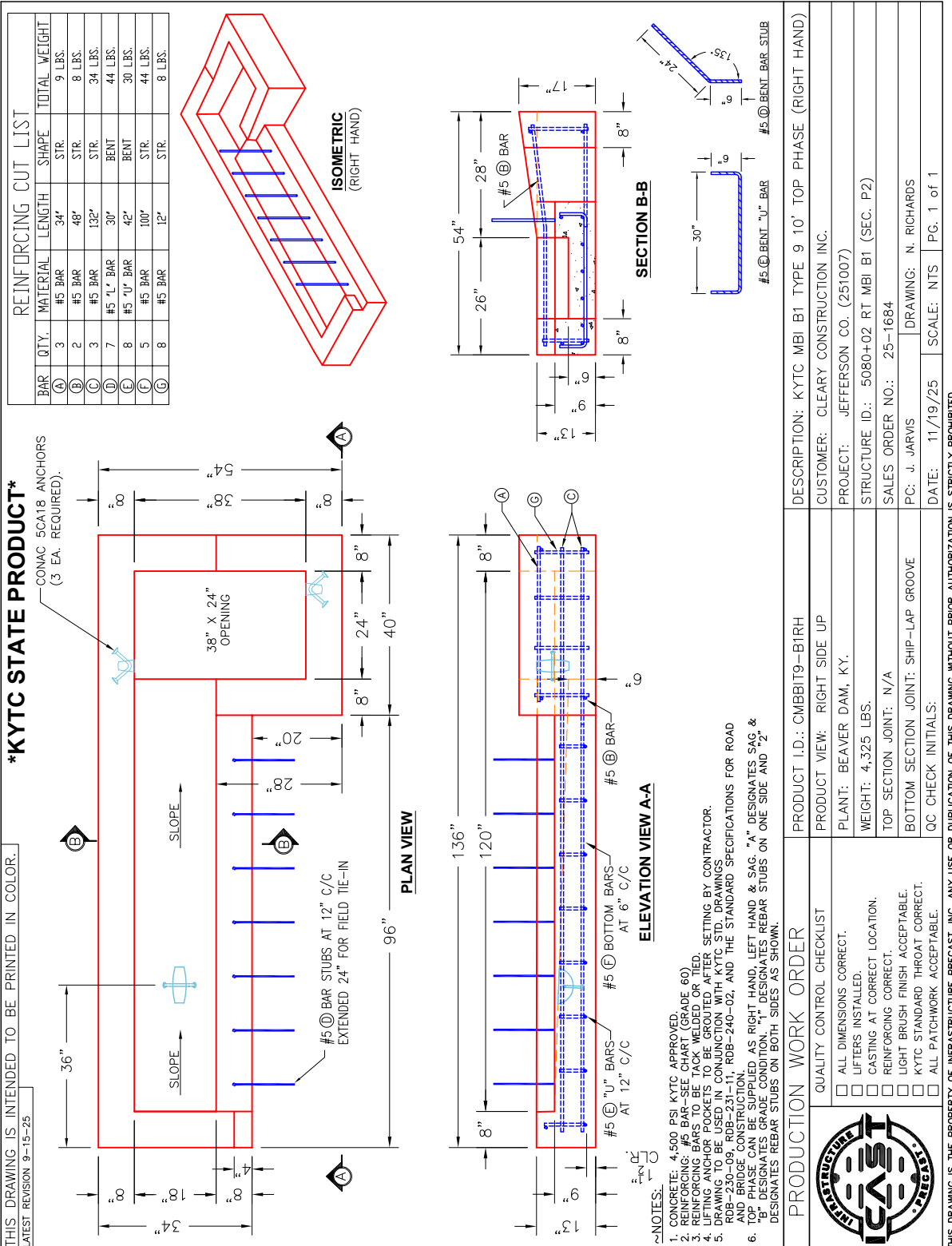
P2 CMBBIT9-B1RH

CB MED BAR BOX INLET 9B1 RH

- P3) 24" x 120" - CASTING (cast in) - 3"
P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 26"
1) 24" x 36" - Con seal CS-102 1.00"
1) Hole - 18

0 lb
4000 lb
3878 lb
0 lb
0 lb
0 lb
Structure Total: 7878 lb

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 17"

Weight (Net): 4000 lb
Volume (Net): 0cu.yd

WAWA #7018 SMYRNA
SMYRNA, TN

FABRICATION PACKAGE
HC KRAKEN KFPD0608 - 833109-010
STR. A5

MATERIAL LIST (INCLUDED WITH STRUCTURE DELIVERY UNLESS NOTED OTHERWISE)

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
33	30" KRAKEN FILTER		CONTECH	PRECASTER
12	30" DRAINDOWN FILTER		CONTECH	PRECASTER
11	QUARTER TURN ADAPTER COVER		CONTECH	PRECASTER
1	KFPD-6-8 INTERNALS KIT AND HARDWARE	HCKF-6-8	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		CONTECH	CONTRACTOR
2	30"Ø x 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR
1	24" x 24" FRAME AND GRATE, EJ #45624050A01, OR EQUIV.	325-000363	CONTECH	CONTRACTOR

GENERAL NOTES

1. DESIGN LOADING - AASHTO HS-20
2. DESIGN SPECIFICATION - ACI 318-14
3. JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
4. CONCRETE MINIMUM STRENGTH - 5,000 PSI AT 28 DAYS
5. DESIGN EARTH COVER FROM 0' MIN. - 5' MAX.
6. GROUND WATER ELEVATION AT OUTLET PIPE INVERT
7. MANUFACTURING TOLERANCE = +/- 1/2-INCH
8. SOME HIDDEN LINES MAY BE OMITTED FOR CLARITY.

INSTALLATION NOTES

- A. PRECASTER TO SHIP FRAME AND COVER WITH STRUCTURE
- B. REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- C. PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE.
- D. PRECASTER TO INSTALL ALL CARTRIDGES PRIOR TO SHIPPING UNLESS NOTED OTHERWISE.
- E. APPLYING ALIGNMENT MARKS ON ALL PIECES OF MULTIPLE PIECE ASSEMBLIES IS ENCOURAGED.
- F. IF STRUCTURE IS DELIVERED IN MULTIPLE SECTIONS, EACH PIECE SHALL BE LABELED WITH THE CONTECH PROJECT NUMBER, SEQUENCE NUMBER AND SITE DESIGNATION.
- G. ACCESS STEPS, IF REQUIRED, SHALL BE INSTALLED IN ACCORDANCE WITH ASTM-478 AND AASHTO M-199.
- H. PRECASTER TO INSTALL TRANSFER COVER PLATE ON SEPARATION WALL.

USERS:DAVID\DAVID.BLANCKENSHIP\CONEDRIVE - THE QUIKRETE COMPANIES\DYNAMICS\865 - CONTECH - PROJECTS 1833109\PRODUCTS\10-KRAKEN FILTER PEAK DIVERISION VAULT 6-8\DRAWINGS\833109-010-KFPD0608-CONFAB-365.DWG 7/6/2026 3:56 PM

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). This drawing is for informational purposes only and is not to be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use. Discrepancies between the supplied information upon which this drawing is based and actual field conditions are encountered on site work progresses, these discrepancies must be reported immediately to Contech for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.			
MARK	DATE	REVISION DESCRIPTION	BY



ENGINEERED SOLUTIONS

A QUIKRETE® COMPANY

901 Elkridge Landing Road, Suite 350, Linthicum, MD 21090

443-457-1500 410-740-8490 410-740-8492 FAX

THE KRAKEN®

FOR PATENT INFORMATION, GO TO www.ContechES.com/IP

CONTECH
FABRICATION
DRAWING

HC KRAKEN KFPD0608 - 833109-010

WAWA #7018 SMYRNA

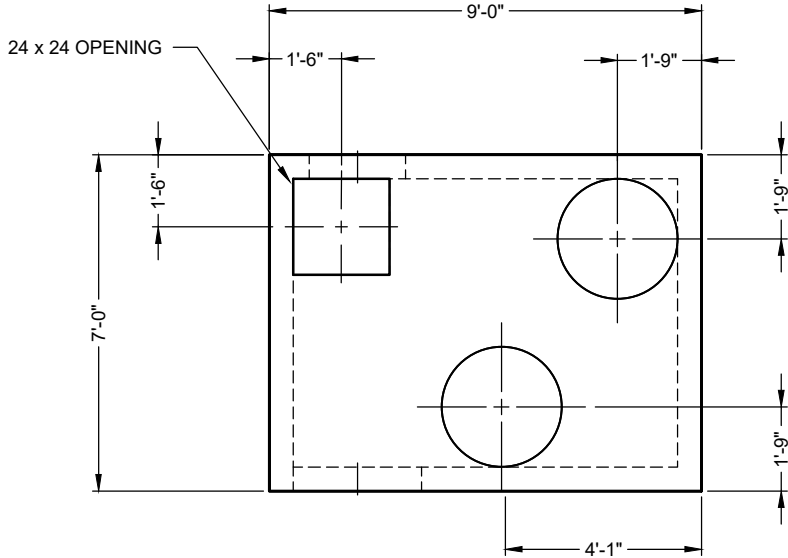
SMYRNA, TN

SITE DESIGNATION: STR. A5

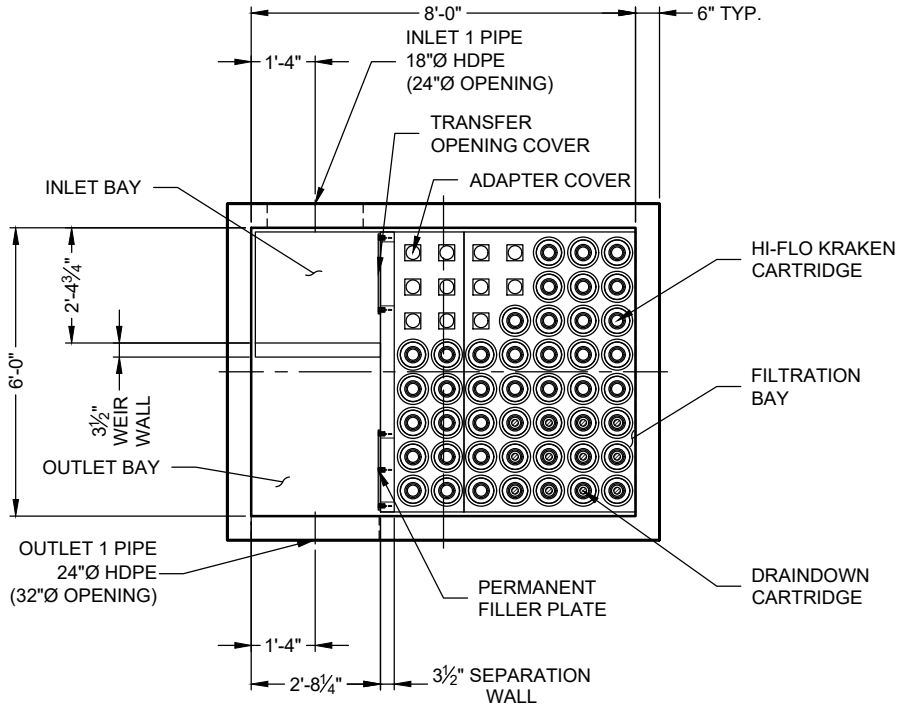
PROJECT No.: 833109	SEQ. No.: 010	DATE: 7/6/26
DESIGNED: GKG	DRAWN: DWB	
CHECKED: GKG/MJS	APPROVED: GKG	
SHEET NO.: 1 OF 2		

26-3104 833109 WaWa No. 7018

C:\USERS\DAVID\BLANKENSHIP\ONEDRIVE - THE QUIKRETE COMPANIES\DYNAMICS365 - CONTECH - PROJECTS 1833109\PRODUCTS\10-KRAKEN FILTER PEAK DIVERSION VAULT 6-8\DRAWINGS\833109-010-KFPD0608-CONFAB-365.DWG 7/8/2026 3:56 PM

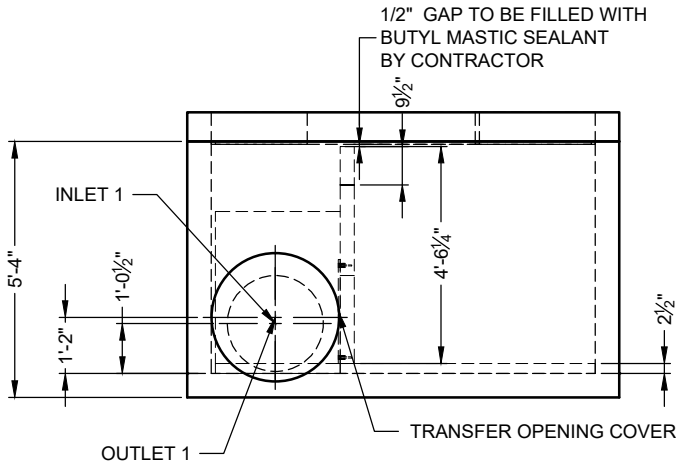


PLAN VIEW



PLAN VIEW
TOP SLAB NOT SHOWN

PRECASTER NOT SUPPLYING GRADE RINGS

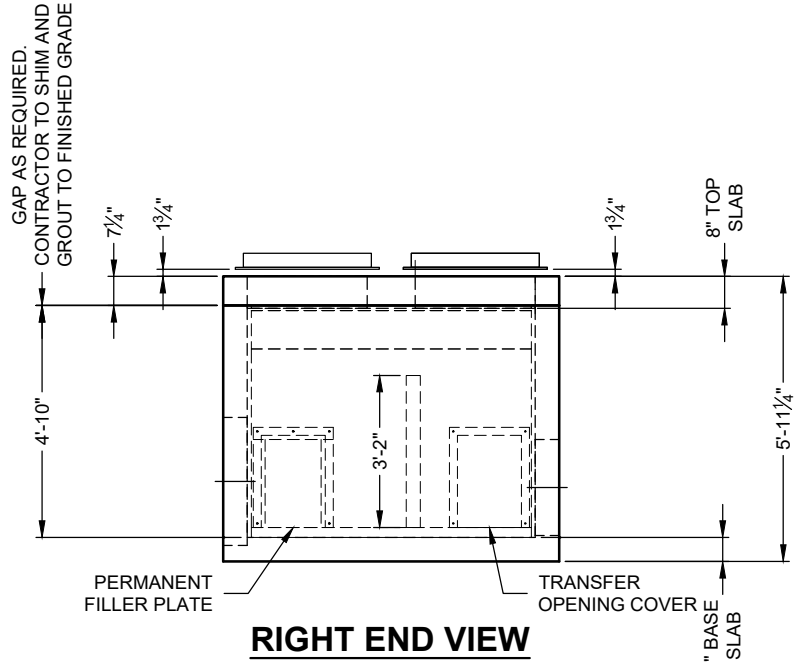


ELEVATION VIEW
FILTER CARTRIDGES NOT SHOWN

RIM ELEV. 603.28+/-
TOP OF STRUCTURE ELEV. 602.80

WEIR/TREATMENT HGL ELEV. 600.74

INLET 1 INVERT ELEV. 597.65
OUTLET 1 INVERT ELEV. 597.57
OUTSIDE BOTTOM ELEV. 596.86



RIGHT END VIEW
FILTER CARTRIDGES NOT SHOWN

SITE DESIGN DATA	
WATER QUALITY FLOW (CFS)	1.68
TOTAL CARTRIDGE FLOW RATE (CFS)	1.70
PEAK FLOW RATE (CFS)	EOR TO CONFIRM
RETURN PERIOD (YRS)	EOR TO CONFIRM
SURFACE LOADING	HS-20
GROUNDWATER ELEVATION*	597.57

*GROUNDWATER ELEVATION IS ASSUMED. EOR TO PROVIDE IF KNOWN

STRUCTURE DETAILS	
NUMBER OF DELIVERED PIECES (DOES NOT INCLUDE RISERS TO GRADE)	2
MAXIMUM FOOTPRINT	7.00' x 9.00'
DELIVERED HEAVIEST PICK*	16100 LB.
TOP SLAB	5100 LB.
BASE SECTION	15450 LB.
INTERNAL COMPONENTS	275 LB.
CARTRIDGES (45)	400

*BASE SECTION SHIPPED WITH INTERNAL COMPONENTS AND CARTRIDGES INSTALLED

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for the same.			
If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.			
MARK	DATE	REVISION DESCRIPTION	BY

CONTECH
ENGINEERED SOLUTIONS
A QUIKRETE COMPANY

901 Elkridge Landing Road, Suite 350, Linthicum, MD 21090
443-457-1500 410-740-8490 410-740-8492 FAX

FOR PATENT INFORMATION, GO TO www.ContechES.com/IP

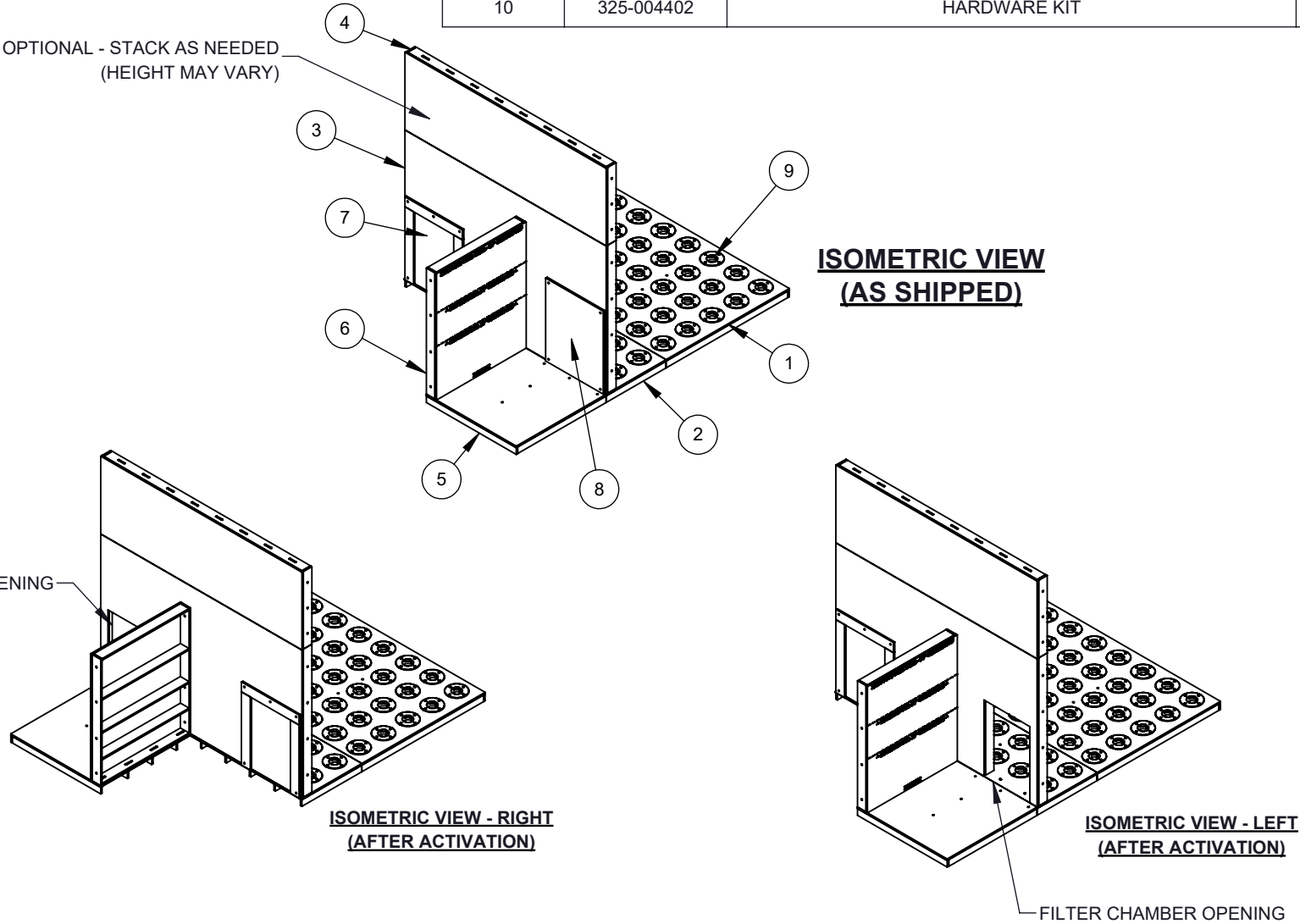
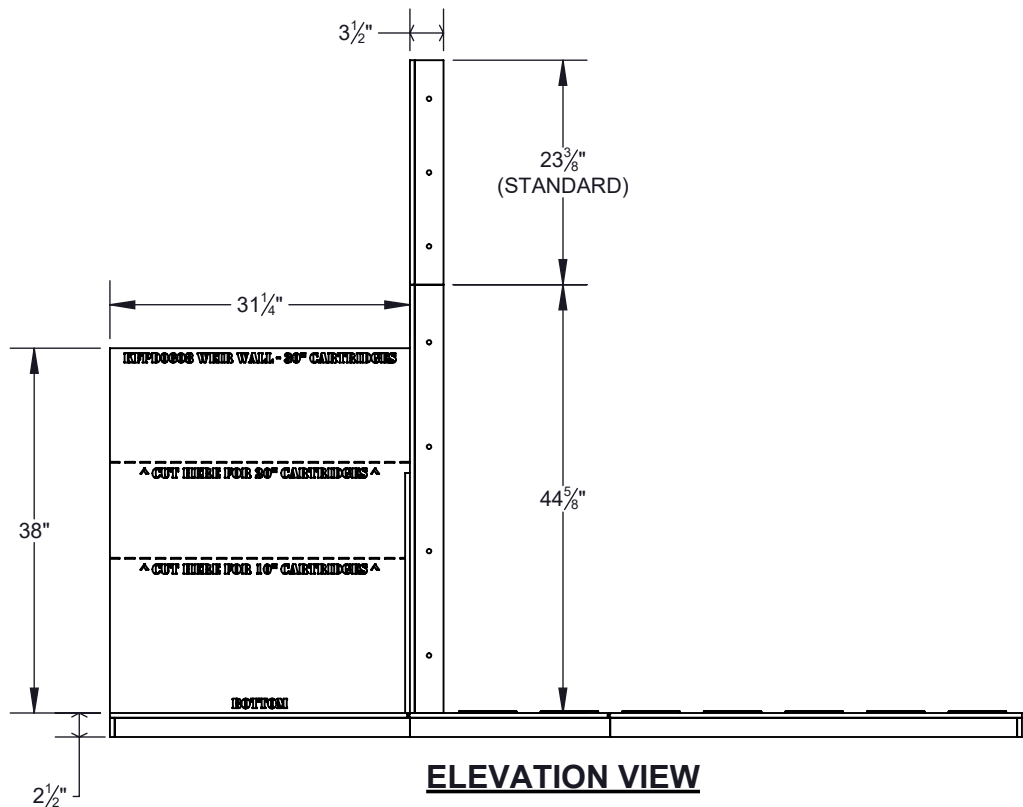
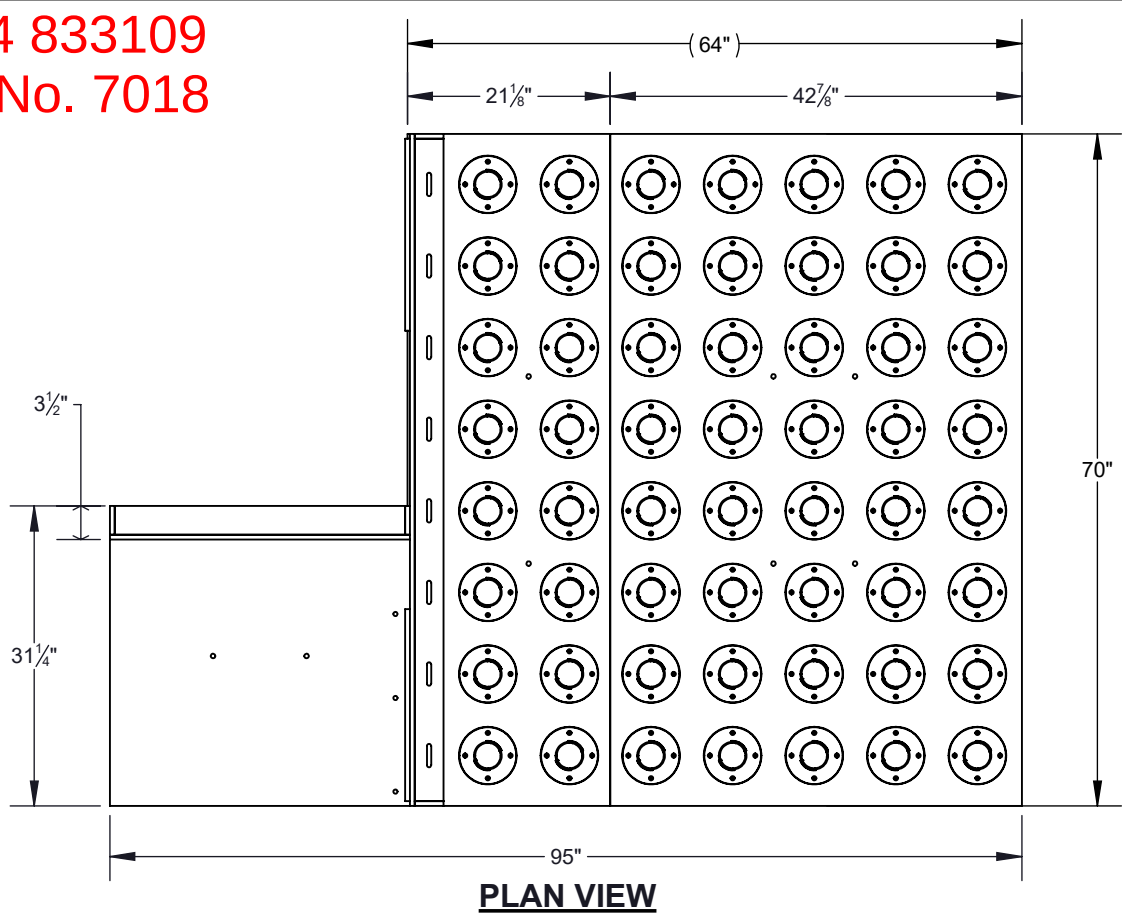
CONTECH
FABRICATION
DRAWING

HC KRAKEN KFPD0608 - 833109-010
WAWA #7018 SMYRNA
SMYRNA, TN
SITE DESIGNATION: STR. A5

PROJECT No.: 833109	SEQ. No.: 010	DATE: 7/6/26
DESIGNED: GKG	DRAWN: DWB	
CHECKED: GKG/MJS	APPROVED: GKG	
SHEET NO.: 2 OF 2		

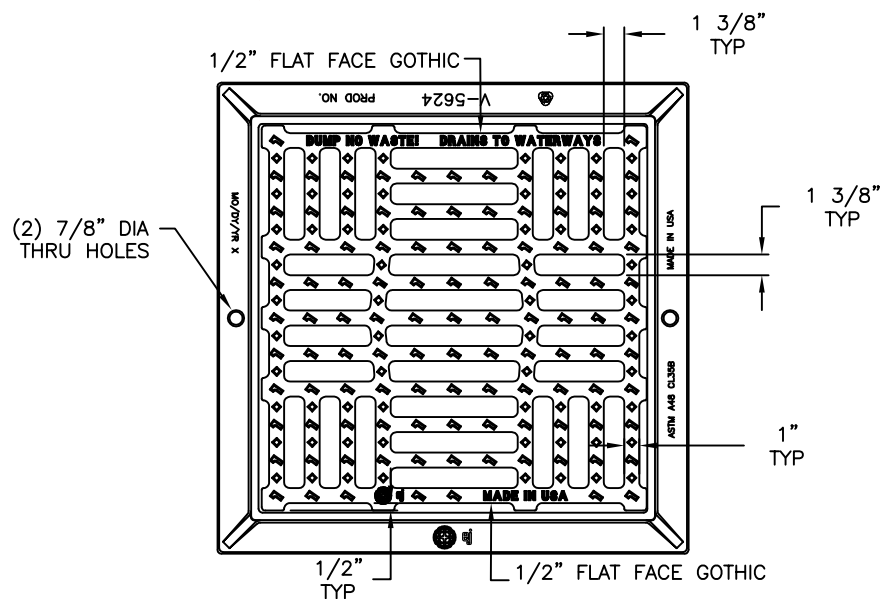
ICAST
5888 / 757440
LAYOUT 6 / CLASS 600
KFPD-6-8
9.93 TS
0.00 TR

26-3104 833109
WaWa No. 7018

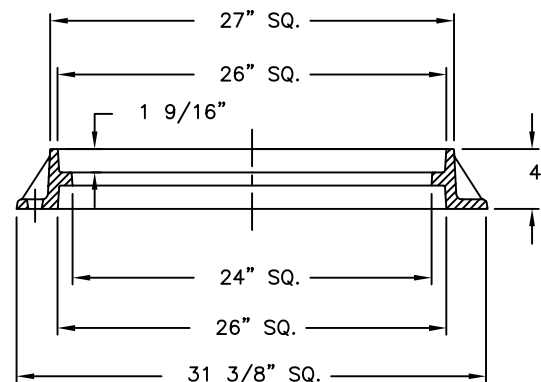
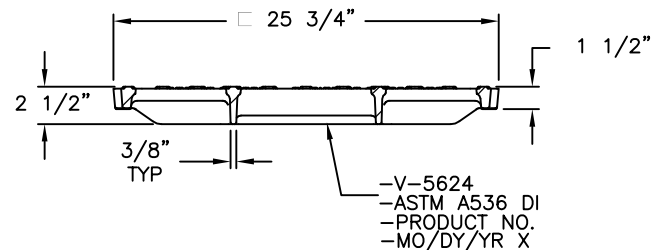


- NOTES:
1. APPROXIMATE TOTAL WEIGHT: 275 LBS (NOT INCLUDING CARTRIDGES)
 2. SEE INSTALLATION GUIDE FOR ADDITIONAL INFORMATION
 3. SEE PROJECT DETAILS FOR ADDITIONAL INFORMATION REGARDING SEPARATOR WALL TOP SECTION HEIGHTS
 4. TRANSFER COVER REMOVED UPON ACTIVATION. SEE INSTALLATION GUIDE FOR DETAILS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	325-004394	6FT 5-ROW END FLOOR - 70" X 43.125" X 2.5"	1
2	325-004606	6FT 2-ROW FLOOR (T-NUTS) - 70" X 21.125" X 2.5"	1
3	325-004573	6FT SEPARATOR WALL BOTTOM SECTION - 70" X 44.625" X 3.5"	1
4	325-004400	6FT SEPARATOR WALL TOP SECTION - 70" X 23.375" X 3.5"	1
5	325-004593	KFPD0608 INLET FLOOR - 31.25" X 31.25" X 2.5"	1
6	325-004578	KFPD0608 WEIR WALL 30" CARTRIDGES - 38" X 31.25" X 3.5"	1
7	325-004576	6FT SEPARATOR WALL FILLER PLATE - 25" X 20" X 4"	1
8	325-004587	TRANSFER COVER - 25" X 20" X 0.5"	1
9	325-004364	QUARTER TURN ADAPTER	56
10	325-004402	HARDWARE KIT	1



PLAN VIEW



SECTION VIEW

Product Number

45624050A01

Design Features

-Materials

Frame

Gray Iron (CL35B)

Grate

Ductile Iron (70-50-05)

88 lbs

-Design Load

Heavy Duty

-Open Area
318 SQ.IN.

-Coating

Undipped

- ✓ Designates Machined Surface

Certification

- ASTM A536
- ASTM A48
- Country of Origin:USA

Major Components

45624010

45624050

Drawing Revision

09/01/2017 Designer: MAH

9/5/2017 Revised By: MAH

Disclaimer

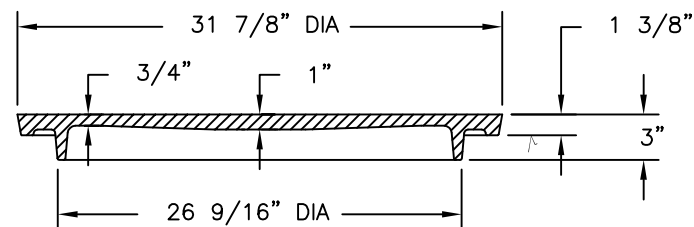
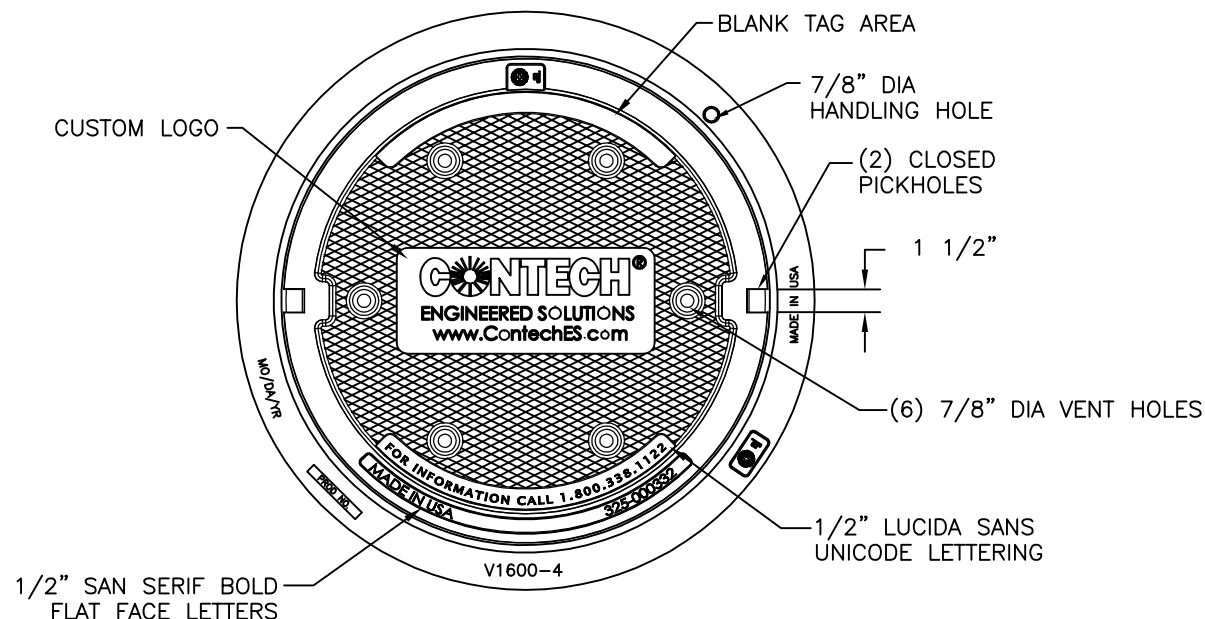
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

CONFIDENTIAL: This drawing is the property of EJ GROUP, Inc., and embodies confidential information, registered marks, patents, trade secret information, and/or know how that is the property of EJ GROUP, Inc. Copyright © 2013 EJ GROUP, Inc. All rights reserved.

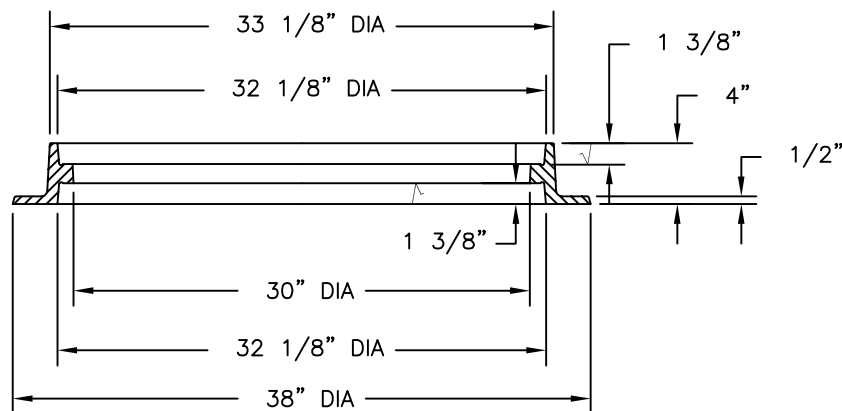
Contact

800 626 4653
ejco.com

1810B4 V1600-4 Assembly



COVER SECTION



FRAME SECTION

Product Number

41600483

Design Features

-Materials

Cover

Gray Iron (CL35B)

Frame

Gray Iron (CL35B)

-Design Load

Heavy Duty

-Open Area

n/a

-Coating

Undipped

-✓ Designates Machined Surface

Certification

- ASTM A48

-Country of Origin: USA

Major Components

00180783

41600410

Drawing Revision

05/09/2007 Designer: SMH

6/26/2017 Revised By: DAE

Disclaimer

Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

CONFIDENTIAL: This drawing is the property of EJ GROUP, Inc., and embodies confidential information, registered marks, patents, trade secret information, and/or know how that is the property of EJ GROUP, Inc. Copyright © 2012 EJ GROUP, Inc. All rights reserved.

Contact

800 626 4653

ejco.com

HIGH CAPACITY (HC) KRAKEN POST-INSTALLTION CHECKLIST

 Project Name/Number /

Post-Installation Check Point(s)		Comments
False Floor sections securely anchored-in with 3/8" wedge anchors (all floor 15/32" pre-drilled holes are filled)	☐	
Separator Wall (bottom section) securely bolted into the false floor with long hex head bolts	☐	
Separator Wall (Transfer Window) is aligned with the inlet bay floor section	☐	
Floor bolts installed and sealed (w/sika) within the Transfer Bay Opening	☐	
If required, Separator Wall (top section) securely anchored to bottom wall section	☐	
Separator Wall trimmed down to required height, approximately 1-2" below structure height	☐	
If Wall Stiffener was removed during trimming, secure new stiffener section atop the separator wall to accommodate butyl mastic	☐	
Separator Walls securely anchored to structure walls with 3/8" wedge anchors	☐	
Weir Wall securely bolted to inlet bay floor and separator wall	☐	
Weir Wall Stiffeners are facing the outlet bay	☐	
Weir Wall securely anchored to structure wall with 3/8" wedge anchors	☐	
Backer Road & Sika installed in gaps between structure and separator/weir walls	☐	
Floor Clips installed in false floor, as needed	☐	
Grout or Sika applied along gaps about the perimeter of the false floor	☐	
Transfer Cover installed with four (4) hex head bolts	☐	
Transfer Cover & Opening scuffed, sika primed, and sika applied about the perimeter	☐	
Plug Covers (PVC disks) installed over all unutilized cartridge couplers	☐	
Kraken Cartridges installed and locked-in. Correct filter height and count as per Fabrication Drawing	☐	
Kraken Cartridge Handles all facing in same (perpendicular) direction	☐	
Drain Down Cartridges properly labeled, correct count and floor location	☐	
Inlet & Outlet Openings stenciled correctly	☐	
Transfer Cover correct stencil applied (Online/Offline)	☐	
HC Kraken & Contech exterior stenciling applied as per Contech stenciling standards	☐	

Signature

Date

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

Plant: Beaver Dam

8/5/2026 8:22:56 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: L2 ST-TCI

P1 BX2896-06BVF

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

P2) 28" x 96" - CASTING HEIGHT - 6"

P1) 28" x 96" - BOX BASE 6inW, 6inF, Variable Ht F/n - 65"

1) SECONDARY POUR

1) 28" x 96" - Conseal CS-102 1.00"

1) Hole - 32

1) Hole - 26

4) LINTEL BAR SLOT n/n - 7"x1"

0 lb Structure Notes:

10390 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total:

10390 lb

1. PER ASTM C913 SPECIFICATIONS.

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

3. EXISTING JBS-3101 F/G/H TO BE USED.

REINFORCING PER ASTM A615 (GRADE 60).

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

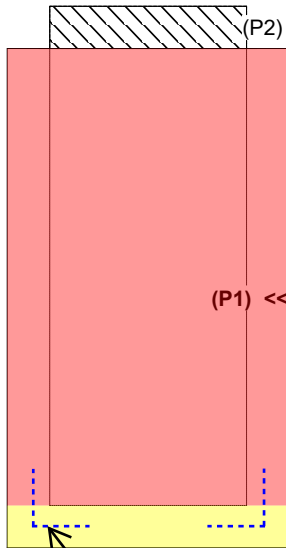
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 670.45' Rim to Invert: 5.69' Slack: 0.28' Sump: 3' Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	664.76'	90°	54"	24" RCP B WALL	30"	Hole 32	32"	32"	0"	0"
Invert 2	665.26'	270°	54"	18" RCP B WALL	23"	Hole 26	26"	26"	6.5"	0"
Invert 3	669.844'	90°	70"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	64.004"	16"
Invert 4	669.844'	90°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	64.004"	-16"
Invert 5	669.844'	270°	70"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	64.004"	16"
Invert 6	669.844'	270°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	64.004"	-16"
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



Invert: 3
Degree: 90°
Horz: 64"
Hole: 7" x 1"
Up(): 64.004"

Invert: 1
Degree: 90°
Horz: 48"
Hole: 32"
Up(): 0"

Invert: 4
Degree: 90°
Horz: 32"
Hole: 7" x 1"
Up(): 64.004"

Invert: 6
Degree: 270°
Horz: 32"
Hole: 7" x 1"
Up(): 64.004"

Invert: 2
Degree: 270°
Horz: 48"
Hole: 26"
Up(): 6.5"

Invert: 5
Degree: 270°
Horz: 64"
Hole: 7" x 1"
Up(): 64.004"

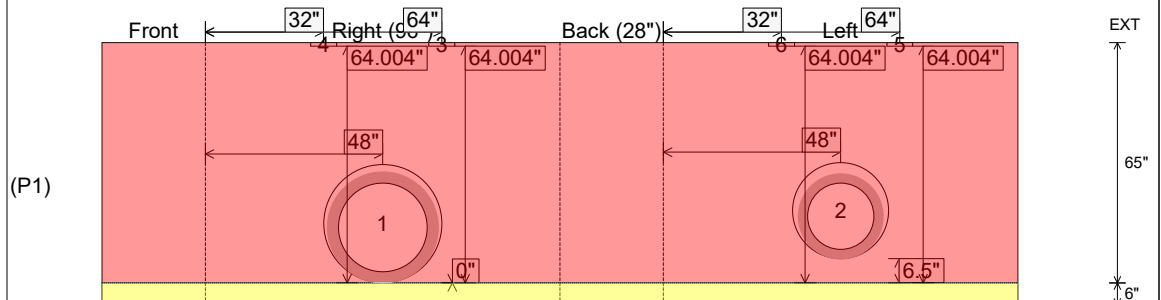
2 Stage pour required

First pour drawing

First pour weight = 2,175 LBS

Second pour weight = 8,215 LBS

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 65"
Height (Ext): 71"

Weight (Net): 10390 lb
Volume (Net): 2.65cu.yd

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

Plant: Beaver Dam

8/5/2026 8:22:56 AM

Tech: S. Felletter
PC: A. Chambers



Structure ID: L2 ST-TCI

P1 BX2896-06BVF

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

P2) 28" x 96" - CASTING HEIGHT - 6"

P1) 28" x 96" - BOX BASE 6inW, 6inF, Variable Ht F/n - 65"

1) SECONDARY POUR

1) 28" x 96" - Conseal CS-102 1.00"

1) Hole - 32

1) Hole - 26

4) LINTEL BAR SLOT n/n - 7"x1"

0 lb

10390 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total:

10390 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. EXISTING JBS-3101 F/G/H TO BE USED.

REINFORCING PER ASTM A615 (GRADE 60).

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

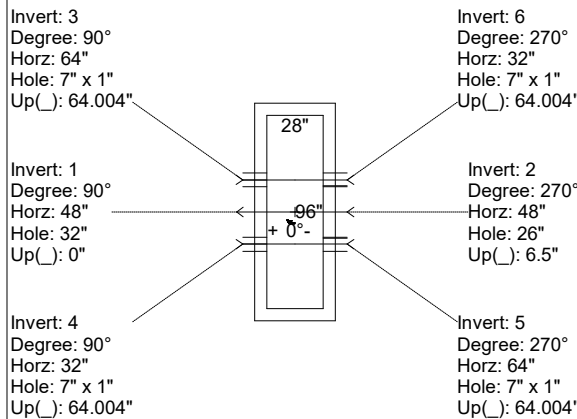
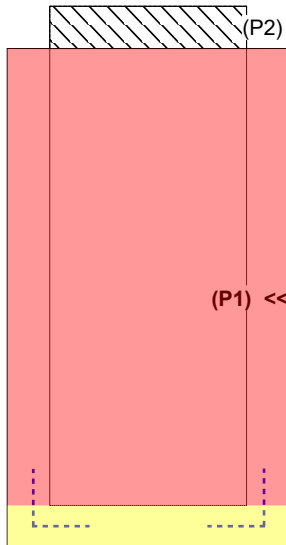
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 670.45' Rim to Invert: 5.69' Slack: 0.28' Sump: 3' Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	664.76'	90°	54"	24" RCP B WALL	30"	Hole 32	32"	32"	0"	0"
Invert 2	665.26'	270°	54"	18" RCP B WALL	23"	Hole 26	26"	26"	6.5"	0"
Invert 3	669.844'	90°	70"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	64.004"	16"
Invert 4	669.844'	90°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	64.004"	-16"
Invert 5	669.844'	270°	70"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	64.004"	16"
Invert 6	669.844'	270°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	64.004"	-16"
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



2 Stage pour required

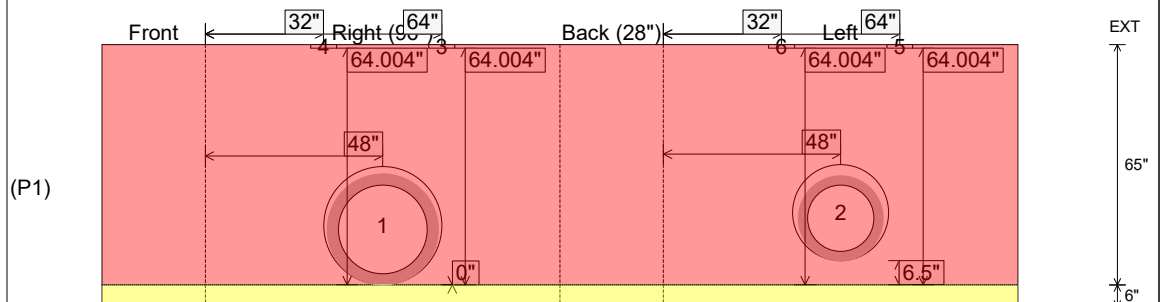
Second pour drawing

First pour weight = 2,175 LBS

Second pour weight = 8,215 LBS

4 ea. 5CA14 CONAC a-anchors
for plant & field handling.
Installed in 90 & 270 degree
walls, min. 18" from top of walls

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

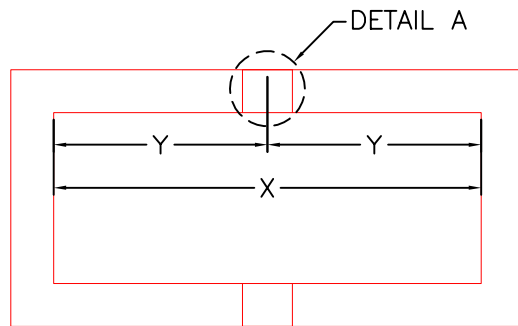
Wall Thickness: 6"
Floor Height: 6"

Height (Int): 65"
Height (Ext): 71"

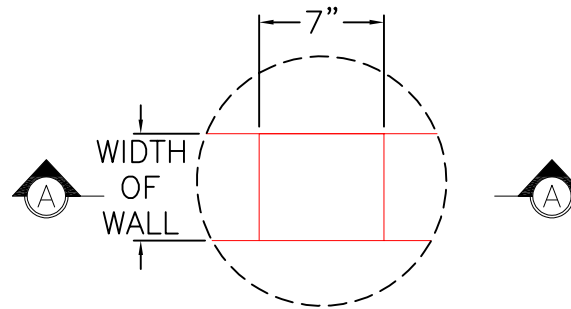
Weight (Net): 10390 lb
Volume (Net): 2.65cu.yd

GENERAL NOTES:

1. RECESSES FOR LINTEL BARS TO BE
7" LONG X 1" DEEP X FULL WIDTH OF WALL.

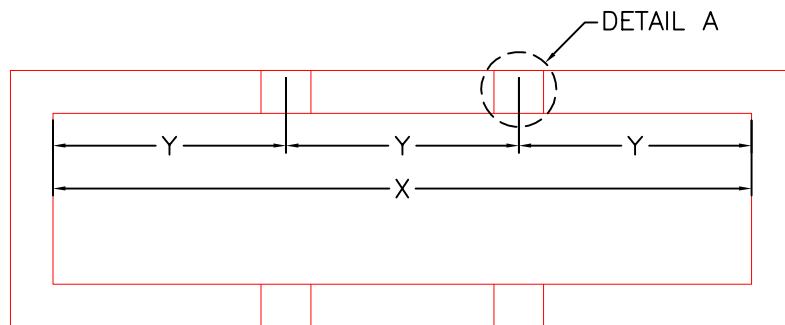


PLAN VIEW
DOUBLE INLET

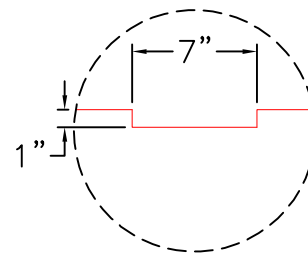


DETAIL A

DOUBLE LINTEL POCKET CHART	
X	Y
54"	27"
56"	28"
60"	30"
64"	32"
72"	36"



PLAN VIEW
TRIPLE INLET



SECTION A-A

TRIPLE LINTEL POCKET CHART	
X	Y
96"	32"
98"	32 ³ / ₄ "
108"	36"

PRODUCTION WORK ORDER

PRODUCT I.D.: -

DESCRIPTION: LINTEL BAR POCKET LOCATIONS



QUALITY CONTROL CHECKLIST

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

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: N/A

PLANT: BEAVER DAM, KY.

PROJECT: N/A

WEIGHT: N/A.

STRUCTURE: N/A

TOP SECTION JOINT: N/A

ORDER NO: N/A

BASE SECTION JOINT: N/A

PE: J.H. ROSS

DRAWING: J. COPPAGE

QC CHECK INITIALS:

DATE: 3/6/24

SCALE: NTS

PG. 1 of 1

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)
Job Location: Hopkinsville, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

Tech: J. Horsley

7/30/2026 8:57:18 AM

PC: C. Goff



Structure ID: 232 (424+73 RT)

P2 BX024060-08LD08-1559

BX FLAT LID 8inW, w/15"x59" HOLE (KYTC DBI-13S)

- P4) 15" x 59" - P.I.P. - BY OTHERS - 8"
P3) 15" x 59" - FIELD ADJUSTMENT - 3"
P2) 24" x 60" - BX FLAT LID 8inW, w/15"x59" HOLE (KYTC DBI-13S) F/F - 8"
P1) 24" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 36"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 60" - Conseal CS-102 1.00"
1) Hole - 20
2) Hole - 4

0 lb
0 lb
1461 lb
6646 lb
237 lb
0 lb
0 lb
0 lb
Structure Total: 8344 lb

Structure Notes:

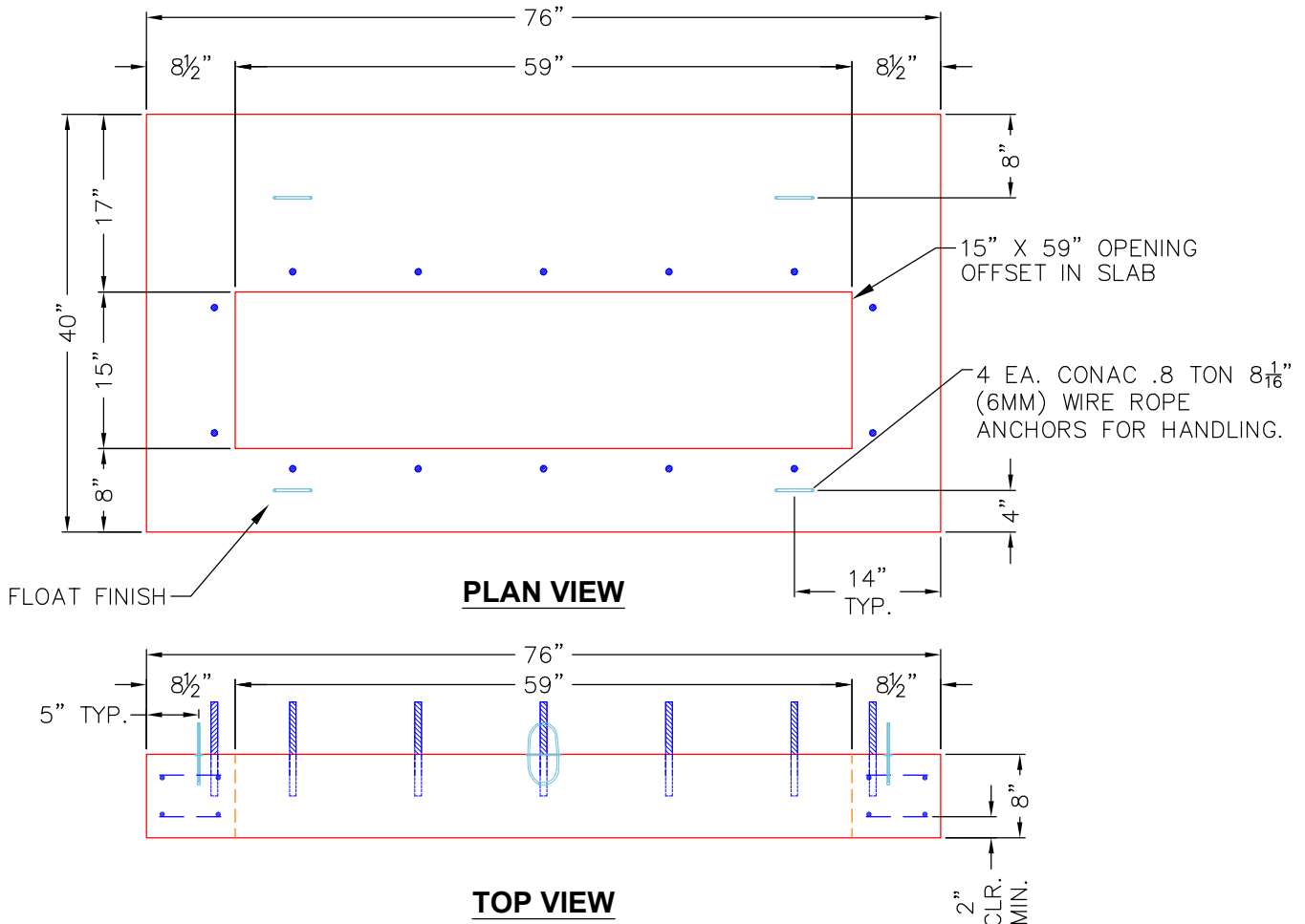
****KYTC STATE PROJECT****

1. KYTC DBI TYPE 13S / ASTM C-913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE KY-230S F/G)
4. STUB #5 BARS 4" OUT TOP OF TOP SLAB (SPA AT 12" C/C) AROUND 15"x59" HOLE.

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

NOTES:

1. MANUFACTURED TO KYTC DBI TYPE 13S/ASTM C-931 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: DOUBLE MAT #5 BAR @ 6" C.C. E.W. (GRADE 60).
4. STUB #5 BARS 4" OUT TOP SLAB AROUND OPENING @ 12" C/C.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 1461 lb
Volume (Net): 0.37cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:28:45 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 5090+98 RT CBBI-MOD B1

P2 BX036036-08TS024036

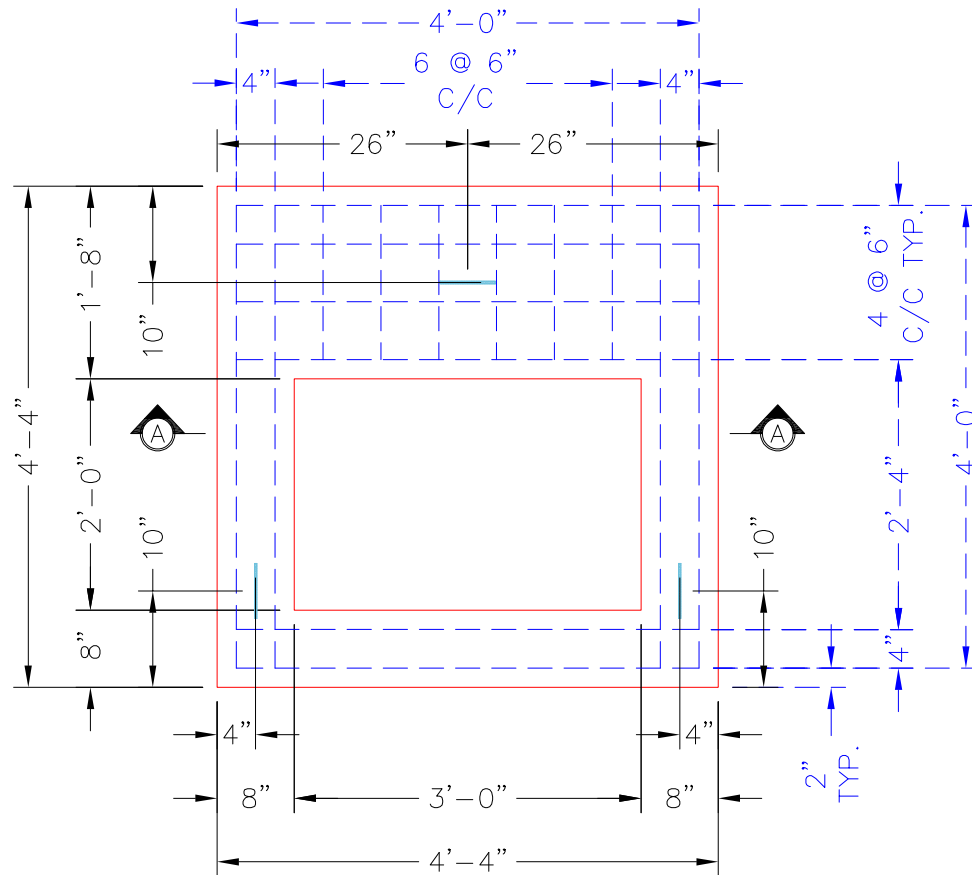
CB FT REDUCER 24"X36" HOLE-FT

P3) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17"
P2) 36" x 36" - CB FT REDUCER 24"X36" HOLE-FT - 8"
P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 35"
1) 36" x 36" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 34
1) Hole - 28

4000 lb
1235 lb
4928 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 10163 lb

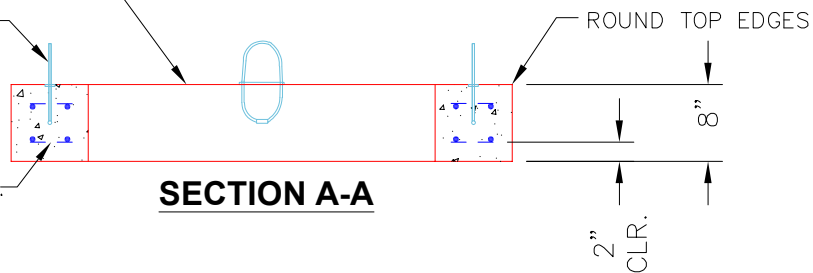
Structure Notes:
-KYTC STATE PROJECT 251007
-REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
-CASTING FRAMES & GRATES BY OTHERS.
-CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
-KYTC CERTIFICATIONS REQUIRED.



PLAN VIEW

24" X 36" OPENING
OFFSET IN SLAB
3 EA. CONAC .8 TON 8¹/₁₆"
(6MM) WIRE ROPE ANCHORS
REQUIRED-MINIMUM.

#5 BAR @ 4" C/C TYP.
(TOP & BOTTOM)



SECTION A-A

NOTES:

-CONCRETE: 4500 PSI @ 28 DAYS.
-REINFORCING: #5 BAR @ 4" & 6" C/C-GRADE 60.
(TOP & BOTTOM LAYERS).
-3 EA. CONAC WIRE LOOP LIFTERS REQUIRED.

#5 BAR CUT LIST
20 EA. @ 48" LG.
12 EA. @ 16" LG.

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 1235 lb
Volume (Net): 0.32cu.yd

Job Name: 26-1735 - City Of Clarksville Vaults
Job Location: Clarksville, TN
Contractor: Clarksville Gas and Water

Plant: 100

8/11/2026 6:30:40 PM

Tech: Jared - F

PC: A. Chambers



Structure ID: QL2

P3 BX120120-08LD08SP

BX FLAT LID 8inW w/2x 42"x72" HATCHES F/F

- P4) 42" x 72" - HATCH (CAST FLUSH) - 3.5"
P3) 120" x 120" - BX FLAT LID 8inW w/2x 42"x72" HATCHES F/F - 8"
P2) 120" x 120" - BOX RISER 8inW, Variable Ht F/G - 64"
P1) 120" x 120" - BOX BASE 8inW, 8inF, Variable Ht T/n - 24"
1) Conseal CS-102 1.00" (Double)
2) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
2) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) Hole - 0

Structure Total:

100 lb
8355 lb
21997 lb
20665 lb
0 lb
0 lb
0 lb
0 lb

51117 lb

Structure Notes:

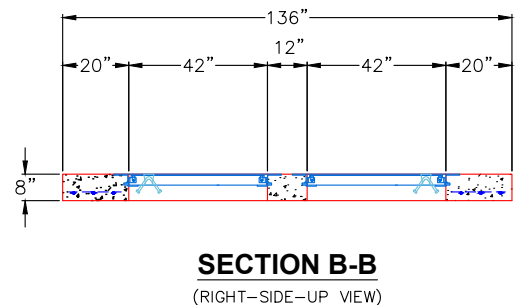
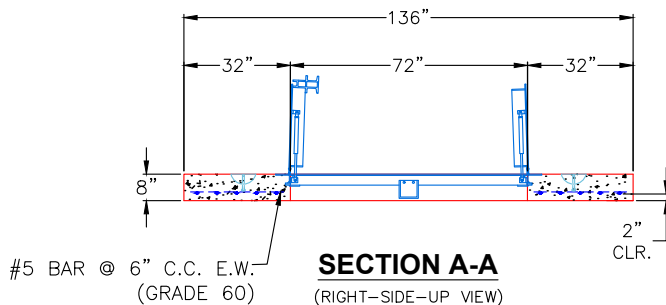
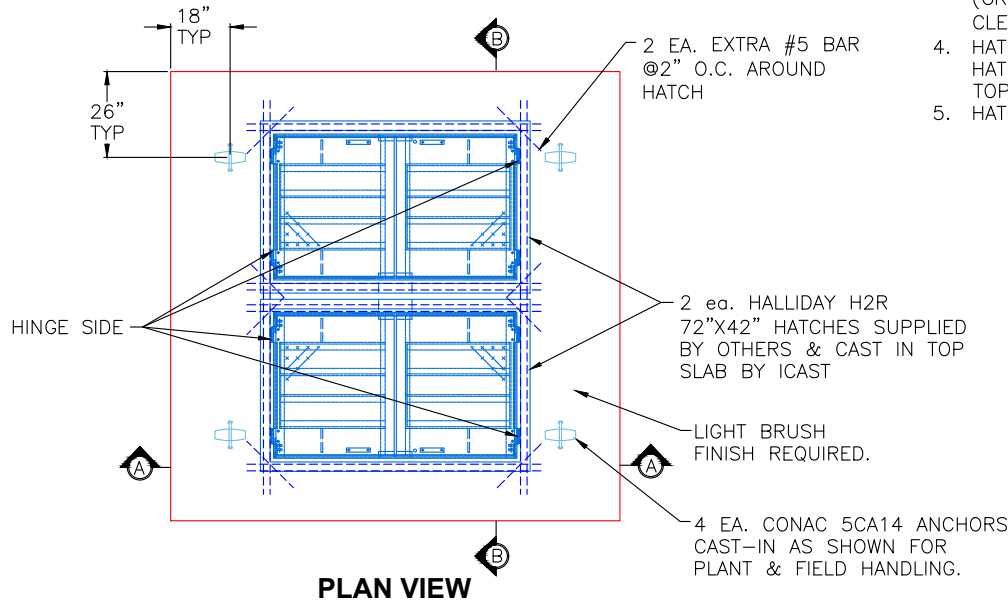
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY OTHERS (2ea. HALLIDAY H2R 72"x42").

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB(As.12)#5 BARS AT 6" C.C.E.W.
- WALLS(As.12) #5 BARS AT 8"C.C.E.W.
- FLOOR (As .12) #5 BARS AT 8" C.C.E.W.

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" E.W. O.C. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP).
4. HATCH: 2 ea. HALLIDAY H2R 72"x42" HATCHES SUPPLIED BY OTHERS & CAST IN TOP SLAB BY ICAST
5. HATCH TO BE CAST INTO TOP OF LID.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 8355 lb
Volume (Net): 2.13cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures
Job Location: Bowling Green, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

Tech: S. Felletter

8/11/2026 9:22:09 AM

PC: M. Sullivan



Structure ID: DBI-19

P2 BX2436-06LD08-SP

BX FLAT LID 8inW w/24"x30" HOLE F/F

P3) 24" x 30" - CASTING HEIGHT - 3.50"
P2) 24" x 36" - BX FLAT LID 8inW w/24"x30" HOLE F/F - 6"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 33"
1) CASTING - HOE KY-460-11 F/G (DBI 11)
1) 24" x 36" - Conseal CS-102 1.00"
1) 24" x 30" - Conseal CS-102 1.00"
1) DOGHOUSE INVRTD - 38"x35"

Structure Total:

0 lb
685 lb
4155 lb
421 lb
0 lb
0 lb
0 lb
0 lb
5261 lb

Structure Notes:

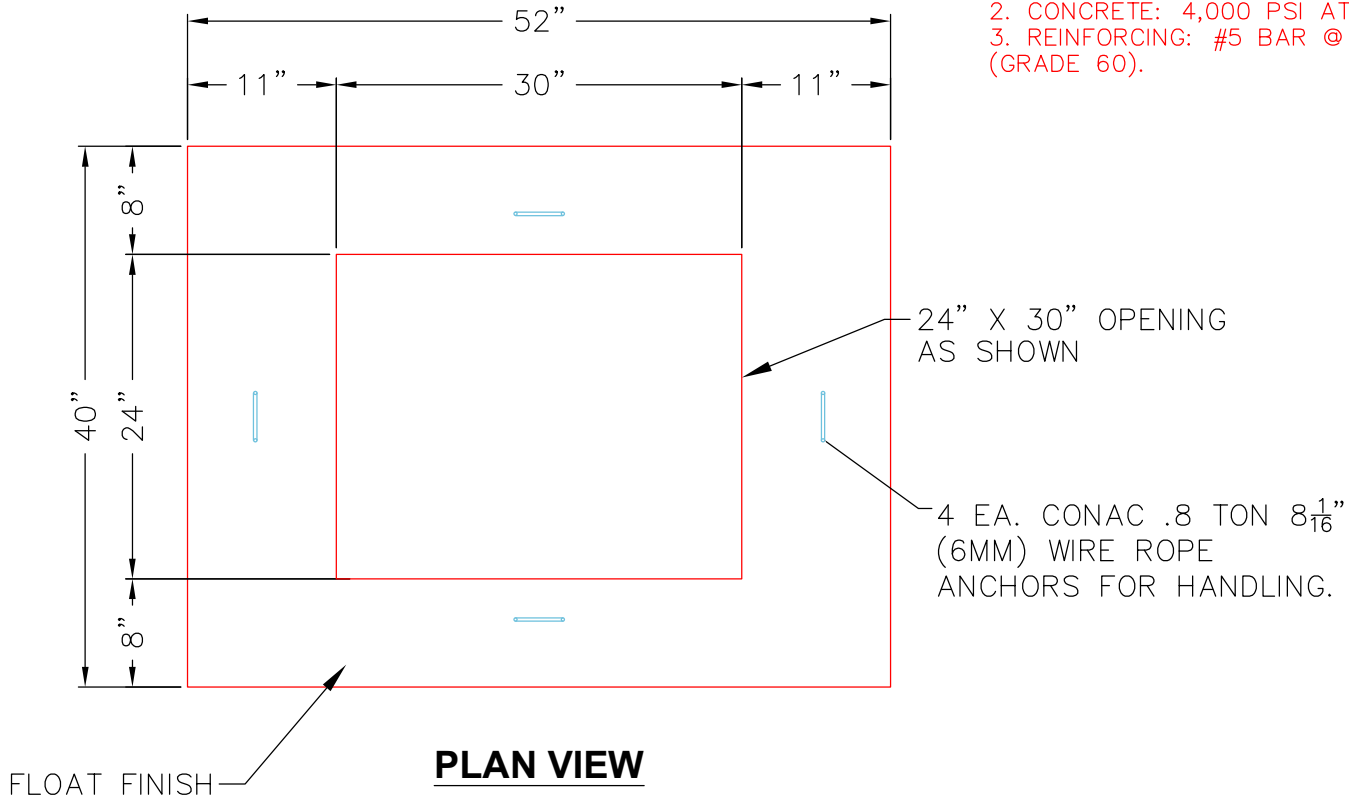
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE KY-460-11 F/G).

REINFORCING PER ASTM A615 (GRADE 60).

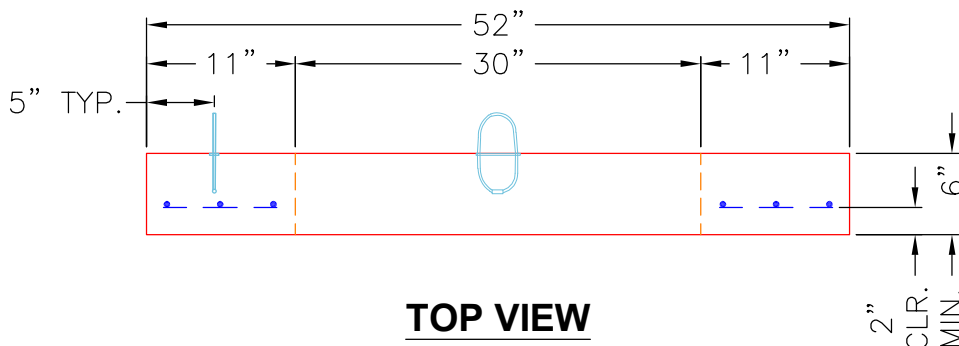
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

NOTES:

1. MANUFACTURED TO ASTM C-931 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" C.C.E.W. (GRADE 60).



PLAN VIEW



TOP VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 6"

Weight (Net): 685 lb
Volume (Net): 0.18cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures
Job Location: Bowling Green, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

Tech: S. Felletter

8/11/2026 9:22:07 AM

PC: M. Sullivan



Structure ID: DBI-16

P3 BX036048-08LD08S

CB FLAT TOP 8"W w/24"x30" HOLE F/F

P4) 24" x 30" - CASTING HEIGHT - 3.50"
P3) 36" x 48" - CB FLAT TOP 8"W w/24"x30" HOLE F/F - 8"
P2) 36" x 48" - BOX RISER 8inW F/G - 48"
P1) 36" x 48" - BOX BASE 8inW, 8inF T/n - 60"
1) CASTING - HOE KY-460-11 F/G (DBI 11)
2) 36" x 48" - Conseal CS-102 1.00"
1) 24" x 30" - Conseal CS-102 1.00"
1) Hole - 50
1) Hole - 44
5) MH Step ML-10-TDS-NCR - 10"

0 lb
1751 lb
6444 lb
8280 lb
421 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 16896 lb

Structure Notes:

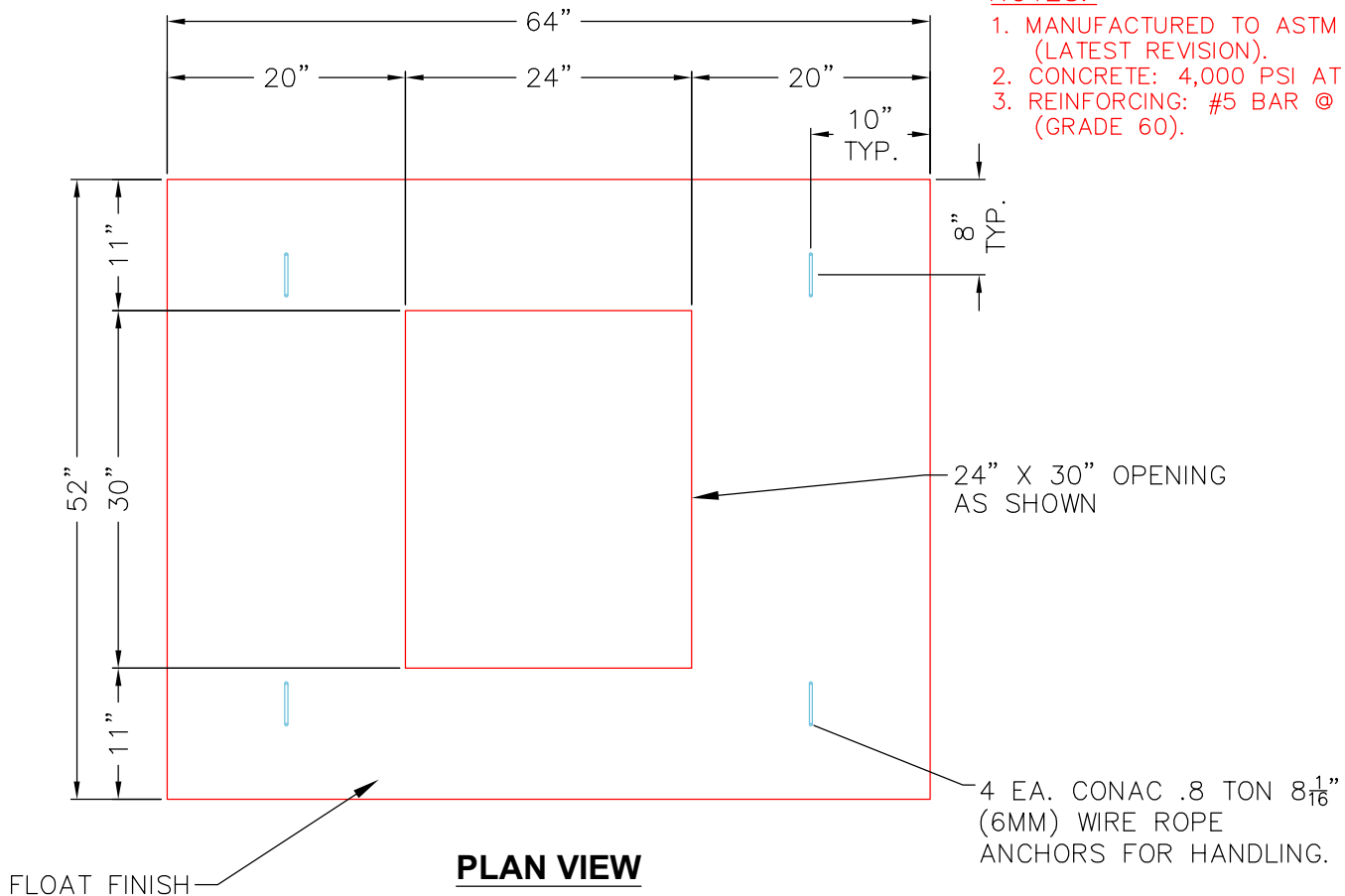
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE KY-460-11 F/G).

REINFORCING PER ASTM A615 (GRADE 60).

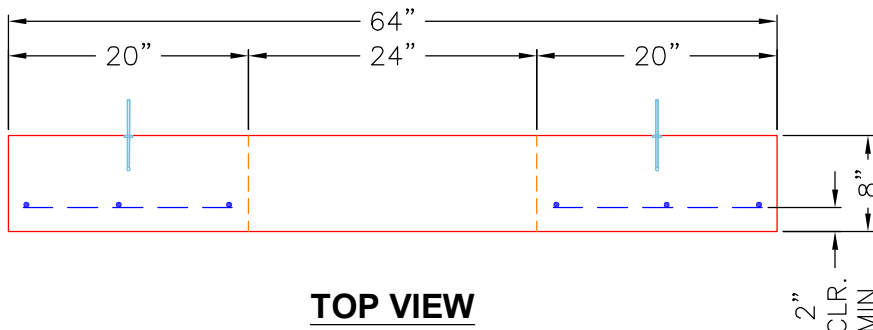
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

NOTES:

1. MANUFACTURED TO ASTM C-931 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" C.C.E.W. (GRADE 60).



PLAN VIEW



TOP VIEW

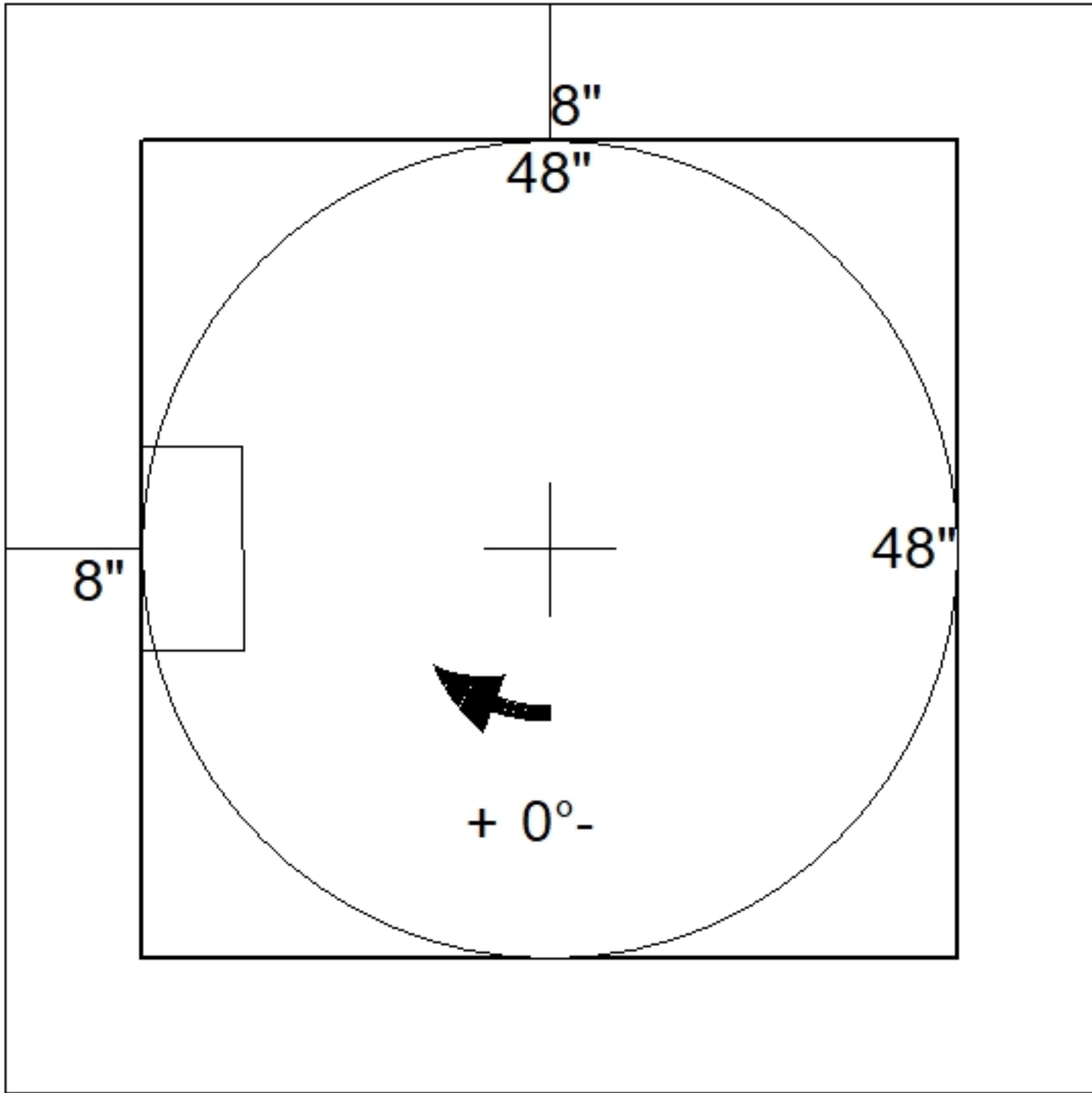
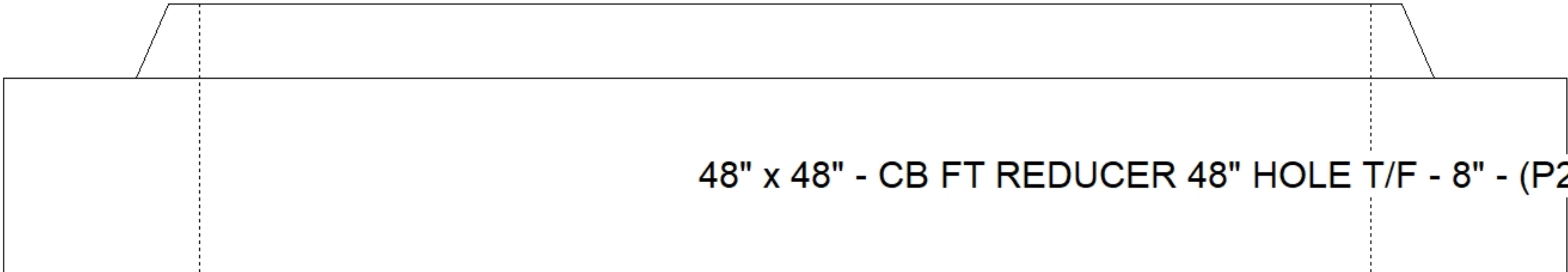
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

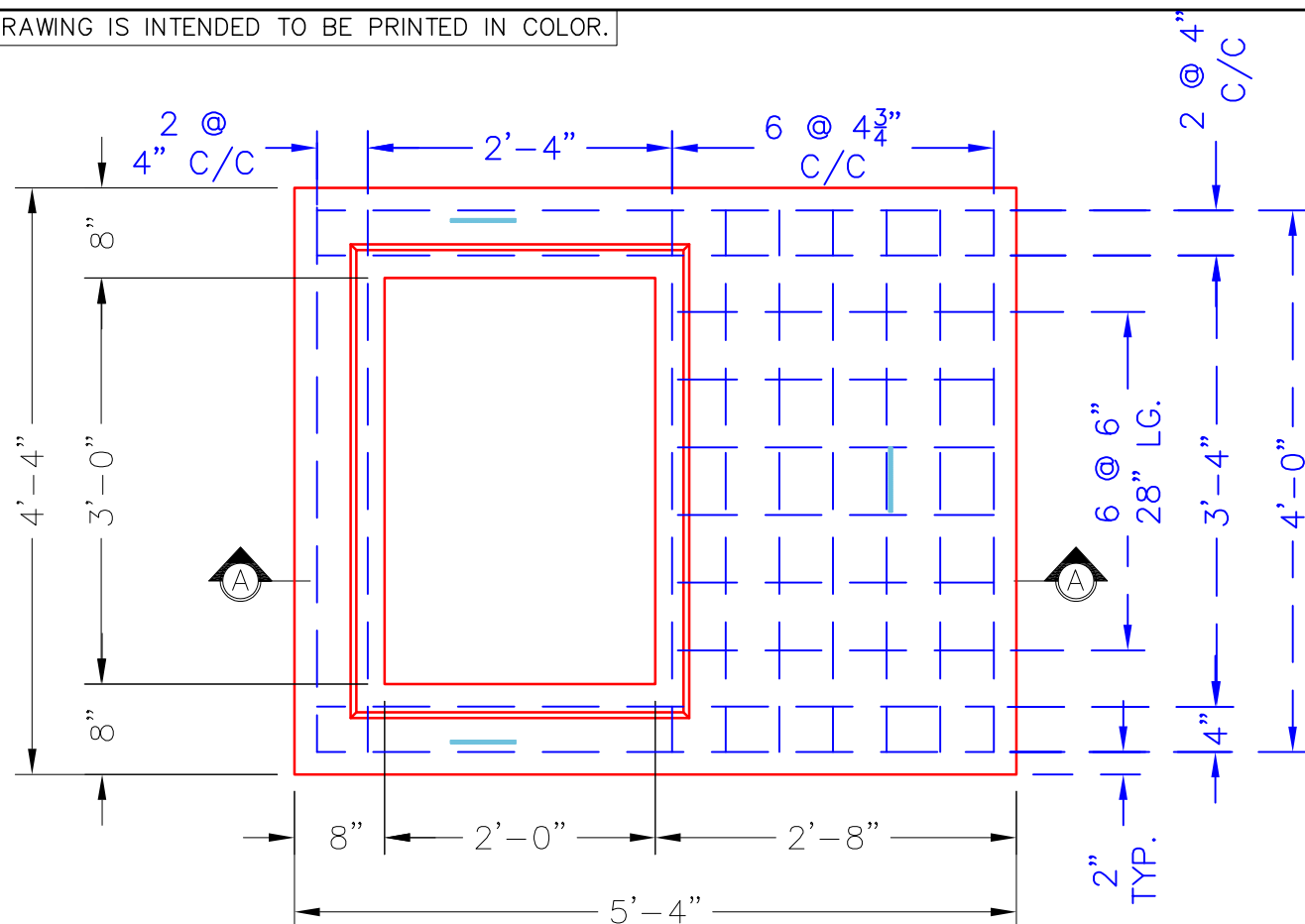
Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 1751 lb
Volume (Net): 0.45cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC		Plant: Beaver Dam 8/3/2026 3:41:25 PM	Tech: J. Horsley PC: C. Goff		
Structure ID: MH277 (439+85 RT)					
P2 BX048048-08TS48		CB FT REDUCER 48" HOLE T/F			
P4) 24" - CASTING HEIGHT - 8" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" x 48" - CB FT REDUCER 48" HOLE T/F - 8" P1) 48" x 48" - BX BASE w/FLANGE 08W/12F/08EF F/n - 60" 1) CASTING - HOE KY-510 F/C (KY TY.2) 1) 48" x 48" - Conseal CS-102 1.00" 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 44 1) Hole - 20		0 lb 3000 lb 1535 lb 13214 lb 510 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 18259 lb Structure Total:	Structure Notes: . ** KYTC STATE PROJECT** 1. PER KYTC MANHOLE TYPE C / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-510 F/C) 4. SECONDARY POUR REQ'D FOR EXTENDED FLANGE (8"WD x 12" THICK). . REINFORCING PER ASTM A615 (GRADE 60). - TRANS. SLAB #5's AT 6" C.C.E.W (DBL MAT). - WALLS #5's AT 6" C.C.E.W. - FLOOR #5's AT 12" C.C.E.W..		
					
 48" x 48" - CB FT REDUCER 48" HOLE T/F - 8" - (P2)					
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 1535 lb Volume (Net): 0.39cu.yd	

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR.



PLAN VIEW

24" X 36" OPENING
OFFSET IN SLAB

3 EA. CONAC .8 TON 8 $\frac{1}{16}$ "—
(6MM) WIRE ROPE ANCHORS
REQUIRED—MINIMUM.

-TONGUE TO MATCH
GROOVE IN 24"X36" RISER
OR KDOT TYPE A TOP PHASE.

ROUND TOP EDGES

#5 BAR @ 4" C/C TYP:
(TOP & BOTTOM)

SECTION A-A

NOTES:

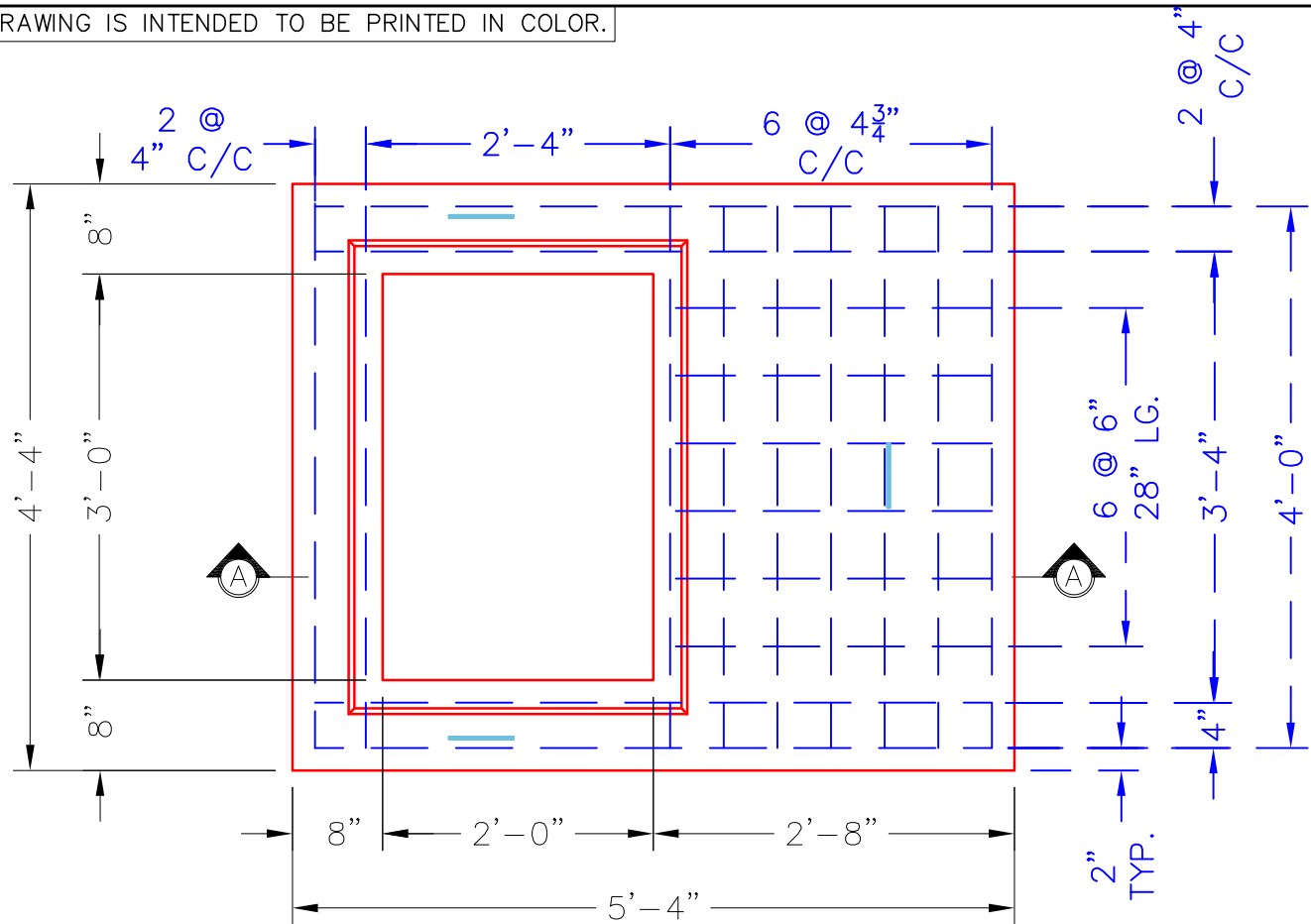
KYTC STATE PROJECT

- CONCRETE: 4500 PSI @ 28 DAYS.
- MANUFACTURED TO KYTC & ASTM C-913 SPECIFICATIONS.
- REINFORCING: #5 BAR AS SHOWN-GRADE 60.
(TOP & BOTTOM LAYER)
- 3 EA. CONAC WIRE LOOP LIFTS REQUIRED (MIN.)

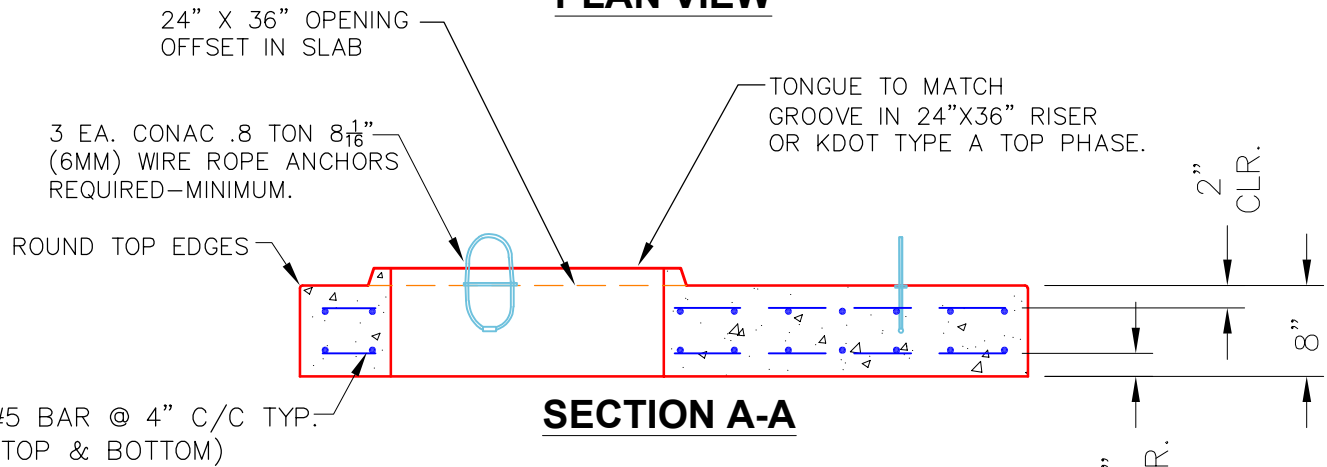
#5 BAR CUT LIST
8 EA. @ 60" LG.
18 EA. @ 48" LG.
12 EA. @ 28" LG.

PRODUCTION WORK ORDER		PRODUCT I.D.: BX036048-08TS024036	DESCRIPTION: CURB INLET TRANSITION SLAB 48" X 36" X 8"	
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: SCOTTY'S CONTRACTING & STONE LLC	
	☐ ALL DIMENSIONS CORRECT.	PLANT: BEAVER DAM, KY.	PROJECT: KYTC CHRISTIAN CO. CALL 100 (ID 241018)	
	☐ LIFTERS INSTALLED.	WEIGHT: 1,654 LBS.	STRUCTURE: 262 (433+25 RT) (SEC. P2)	
	☐ OPENING OFFSET.	TOP SECTION JOINT: TONGUE	QUOTE/SALES ORDER NO: 24-4208	
	☐ REINFORCING CORRECT.	BOTTOM JOINT: FLAT	PC: C. GOFF	DRAWING: S. FELLETTTER
	☐ SHIP-LAP TONGUE INSTALLED.	QC CHECK INITIALS:	DATE: 07/30/26	SCALE: NTS PG. 1 of 1
	☐ EDGES CHAMFERED.			
☐ ANY PATCHWORK ACCEPTABLE.				

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR.



PLAN VIEW



SECTION A-A

NOTES:

- CONCRETE: 4500 PSI @ 28 DAYS.
- MANUFACTURED TO KYTC & ASTM C-913 SPECIFICATIONS.
- REINFORCING: #5 BAR AS SHOWN-GRADE 60.
(TOP & BOTTOM LAYER)
- 3 EA. CONAC WIRE LOOP LIFTS REQUIRED (MIN.)

KYTC STATE PROJECT

#5 BAR CUT LIST
8 EA. @ 60" LG.
18 EA. @ 48" LG.
12 EA. @ 28" LG.

PRODUCTION WORK ORDER		PRODUCT I.D.: BX036048-08TS024036	DESCRIPTION: CURB INLET TRANSITION SLAB 48" X 36" X 8"		
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: SCOTTY'S CONTRACTING & STONE LLC		
	☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING OFFSET. ☐ REINFORCING CORRECT. ☐ SHIP-LAP TONGUE INSTALLED. ☐ EDGES CHAMFERED. ☐ ANY PATCHWORK ACCEPTABLE.	PLANT: BEAVER DAM, KY.	PROJECT: KYTC CHRISTIAN CO. CALL 100 (ID 241018)		
		WEIGHT: 1,654 LBS.	STRUCTURE: 244 (428+40 RT) (SEC. P2)		
		TOP SECTION JOINT: TONGUE	QUOTE/SALES ORDER NO: 24-4208		
		BOTTOM JOINT: FLAT	PC: C. GOFF		DRAWING: S. FELLETER
		QC CHECK INITIALS:	DATE: 07/30/26	SCALE: NTS	PG. 1 of 1

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

Plant: 100

7/1/2026 12:33:15 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 470

P2 BX024030-08LD08-15X27

CB FLAT TOP 8"W w/15"x27" HOLE

P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 47"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 24
2) Hole - 4

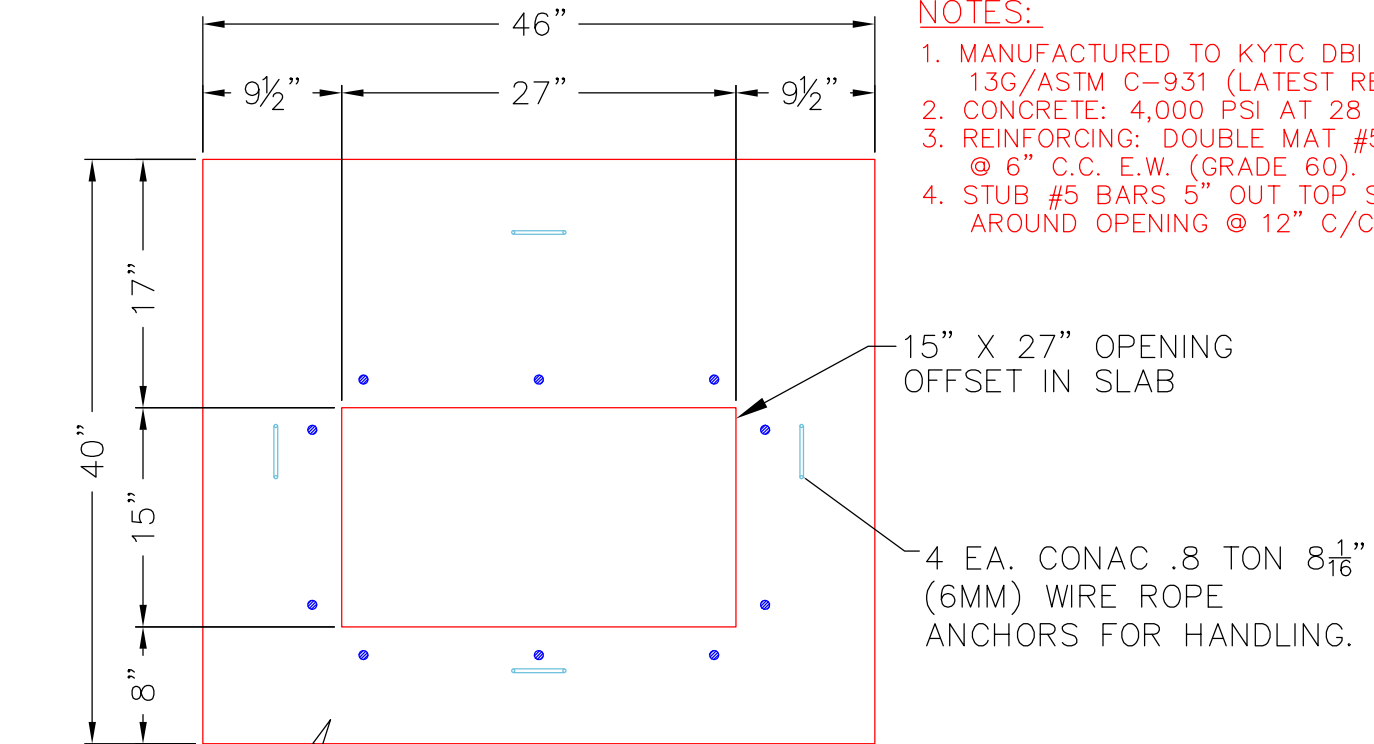
0 lb
963 lb
5104 lb
237 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 6304 lb

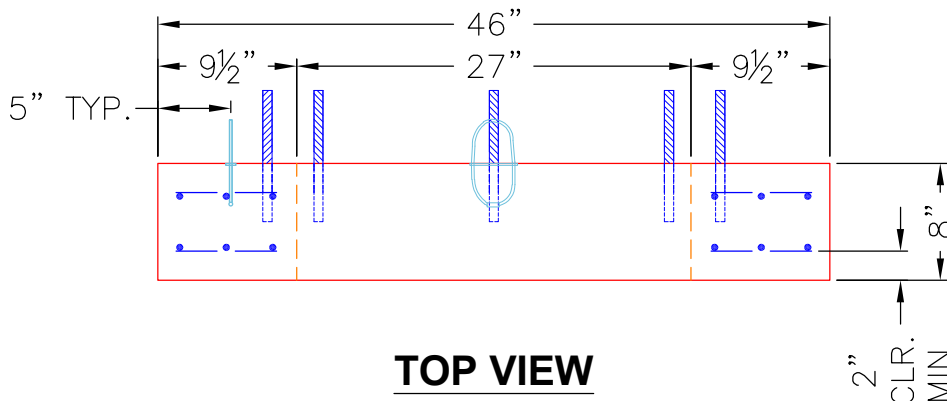
Structure Notes:

KYTC STATE PROJECT PLAN LABEL: 470

1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB
(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE



PLAN VIEW



TOP VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 963 lb
Volume (Net): 0.25cu.yd

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

Plant: 100

7/7/2026 7:55:23 AM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 463

P1 BX2460-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 15" x 59" - P.I.P. - BY OTHERS - 8"
P2) 24" x 60" - BX FLAT LID 8inW, w/15"x59" HOLE (KYTC DBI-13S) - 8"
P1) 24" x 60" - BOX BASE 8inW, 8inF, Variable Ht - 40"
1) CASTING - HOE KY-230-S F/G (SAG)
1) SECONDARY POUR - WALLS
1) 24" x 60" - Conseal CS-102 1.00"
1) Hole - 20
2) Hole - 4

- 0 lb
1461 lb
7183 lb
474 lb
0 lb
0 lb
0 lb
0 lb

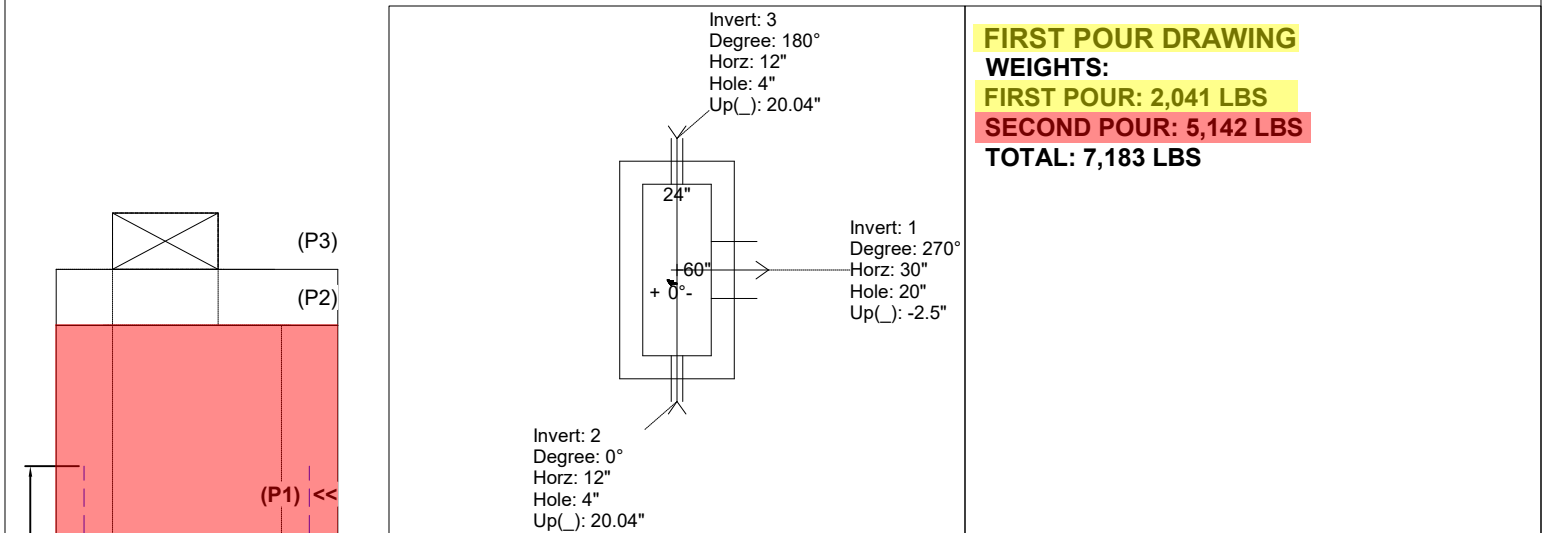
9118 lb
- Structure Notes:
KYTC STATE PROJECT
1. HOE KY-230-S F/G (SAG) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13S / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. (DBL MAT).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W..
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W..
5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB (SPACED AT 12" CC) AROUND THE 15" X 59" HOLE

Structure Total:

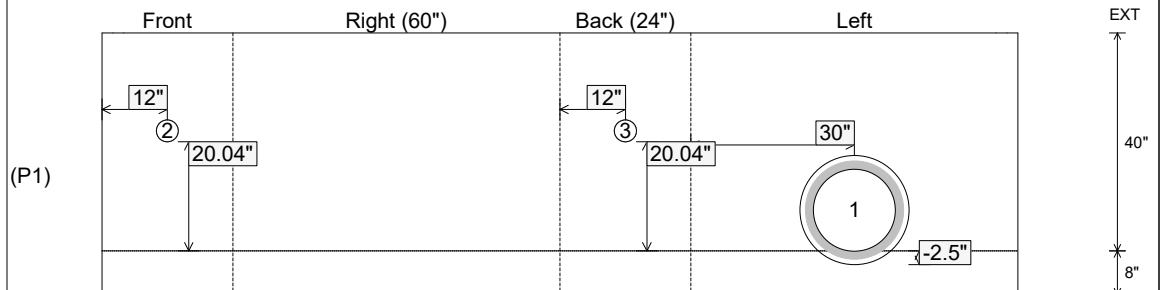
Rim: 891.28' Rim to Invert: 4.67' Slack: 0.04" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (")	Offset
Invert 1	886.61'	270°	38"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	888.28'	0°	20"	4" WEEP HOLE	4"	Hole 4	4"	4"	20.04"	0"
Invert 3	888.28'	180°	20"	4" WEEP HOLE	4"	Hole 4	4"	4"	20.04"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

Weight (Net): 7183 lb
Volume (Net): 1.84cu.yd

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

Plant: 100

7/7/2026 7:55:23 AM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 463

P1 BX2460-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 15" x 59" - P.I.P. - BY OTHERS - 8"
P2) 24" x 60" - BX FLAT LID 8inW, w/15"x59" HOLE (KYTC DBI-13S) - 8"
P1) 24" x 60" - BOX BASE 8inW, 8inF, Variable Ht - 40"
1) CASTING - HOE KY-230-S F/G (SAG)
1) SECONDARY POUR - WALLS
1) 24" x 60" - Conseal CS-102 1.00"
1) Hole - 20
2) Hole - 4

0 lb
1461 lb
7183 lb
474 lb
0 lb
0 lb
0 lb
0 lb

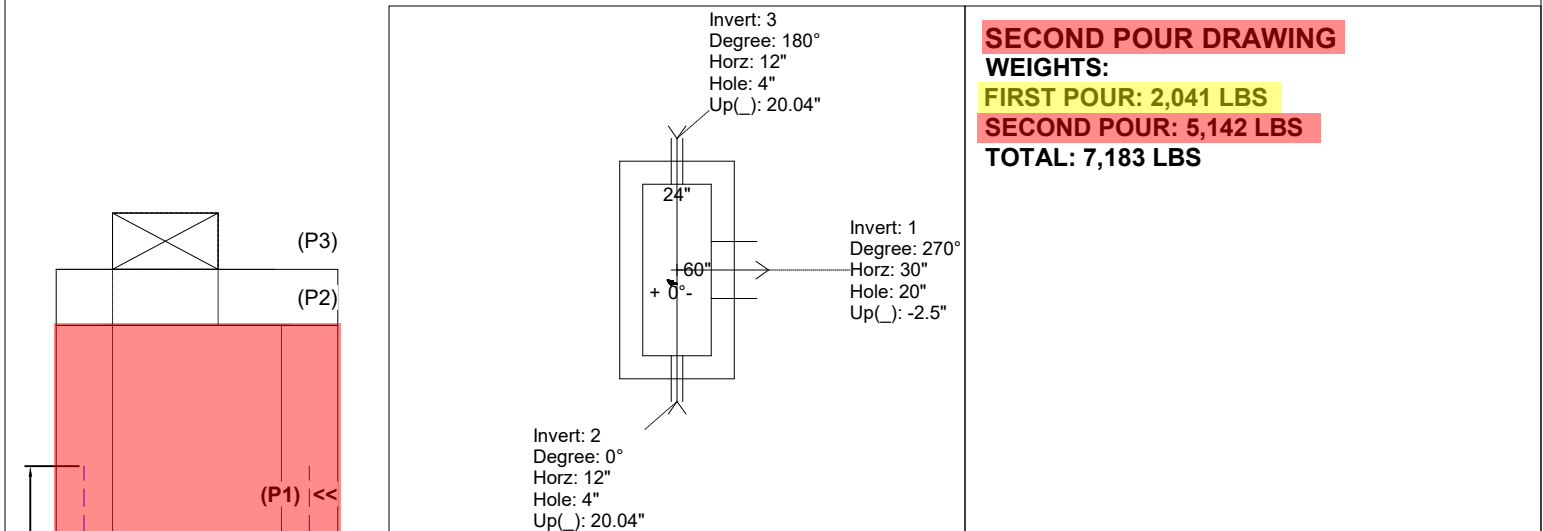
Structure Total: 9118 lb

Structure Notes:
KYTC STATE PROJECT
1. HOE KY-230-S F/G (SAG) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13S / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. (DBL MAT).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W..
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W..
5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB (SPACED AT 12" CC) AROUND THE 15" X 59" HOLE

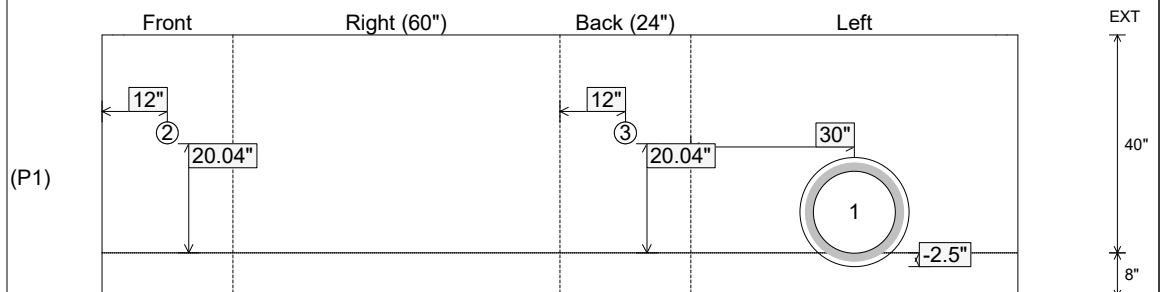
Rim: 891.28' Rim to Invert: 4.67' Slack: 0.04" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	886.61'	270°	38"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	888.28'	0°	20"	4" WEEP HOLE	4"	Hole 4	4"	4"	20.04"	0"
Invert 3	888.28'	180°	20"	4" WEEP HOLE	4"	Hole 4	4"	4"	20.04"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

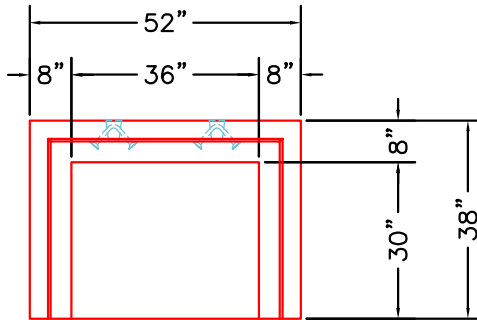
Wall Thickness: 8"
Floor Height: 8"

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

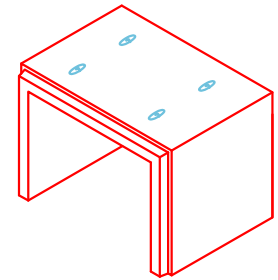
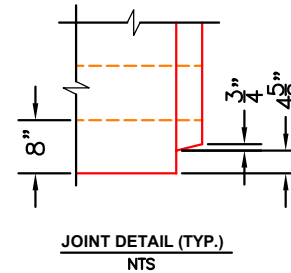
Weight (Net): 7183 lb
Volume (Net): 1.84cu.yd

GENERAL NOTES

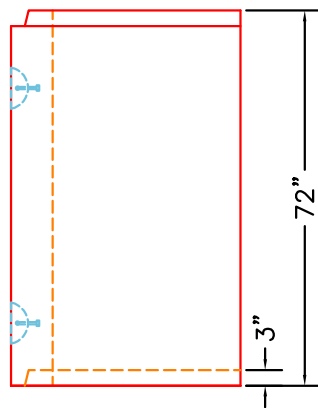
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCING: PER ASTM C1577 (GRADE 60). SEE ATTACHED STAMPED DESIGN CALCULATIONS.
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 36" X 30" X 69" LONG SECTION = 5,188 LBS.



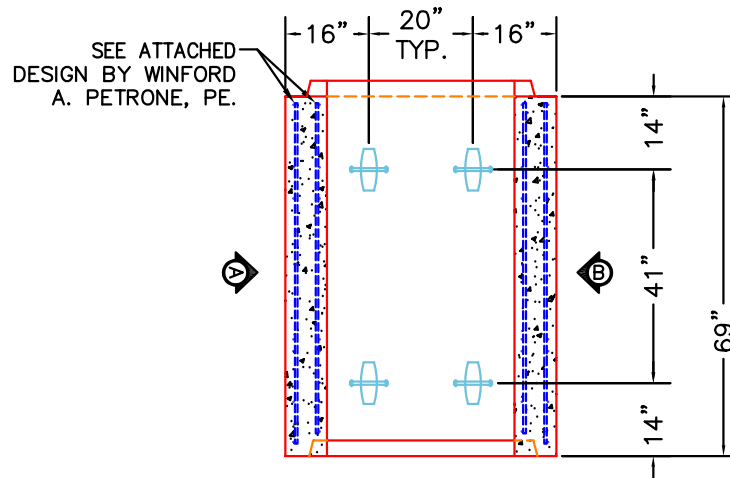
END VIEW



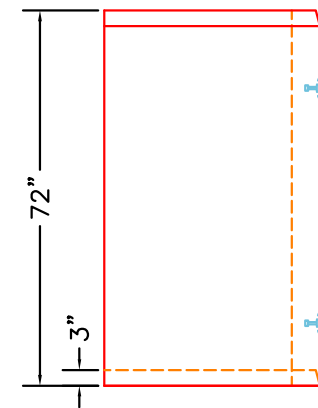
**COMPONENT
ISOMETRIC VIEW**



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

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.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 5,188 LBS.

TOP JOINT: TONGUE

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 36" X 30" X 69" LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 36" X 30" X 69" BOX CULVERT (P6)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/31/26

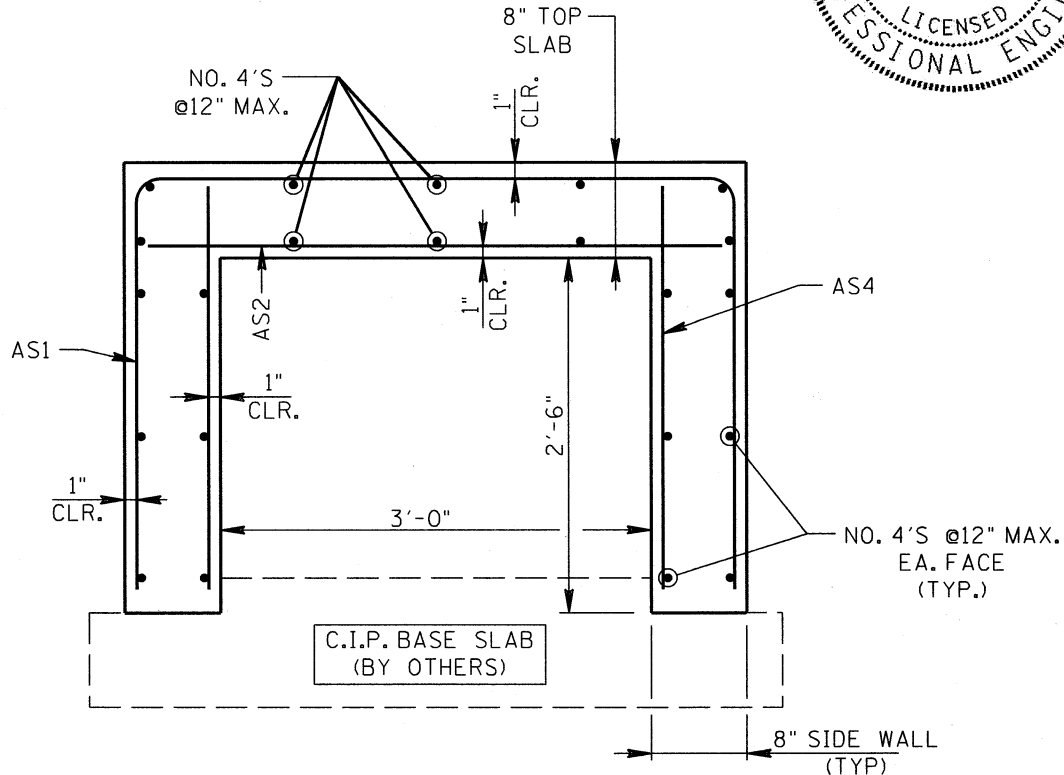
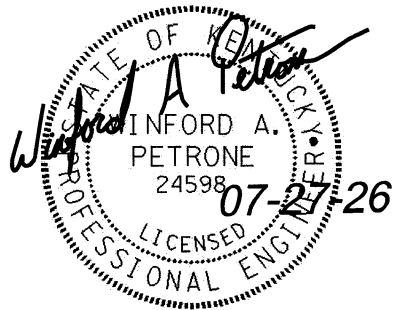
SCALE: NTS

PG. 1 of 1

58/60

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

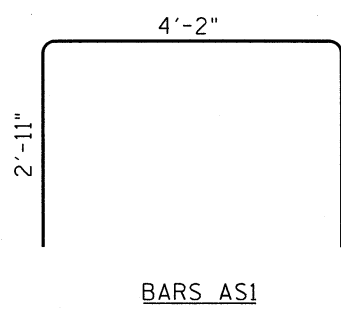
NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.



PRECAST TUNNEL SECTION
3'-0"X2'-6" STEAM TUNNEL RUN #2
NON-BEND UNITS

NOTE: CLEARANCE BETWEEN CUT-OFF
ENDS OF BARS AND OUTSIDE
FACES OF CONCRETE=2".

REINFORCING STEEL		
LOCATION	REQUIRED	COMMENTS
AS1	NO. 4'S@10"	BEND AS SHOWN
AS2	NO. 4'S@10"	EXTEND TO EXTER. FACES
AS3	NOT USED	NOT USED
AS4	NO. 4'S@12"	



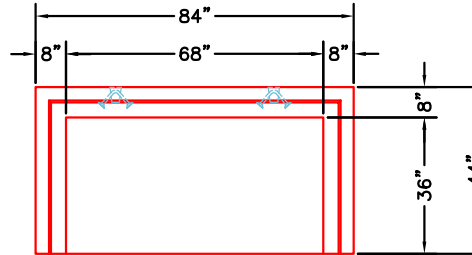
AS1, AS2, AND AS4 REINFORCING BARS
Fy-min=60 K.S.I.

THIS SECTION TO BE USED FOR ALL
RUN #2: NON-ANGLED UNITS,
RECTANGULAR IN PLAN VIEW.

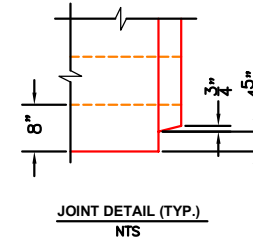
SK-4

GENERAL NOTES

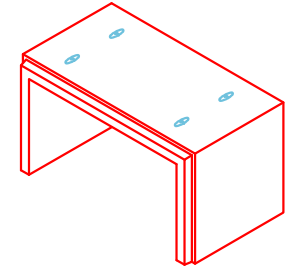
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. .LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCEMENT PER ATTACHED DESIGN BY WINFORD A. PETRONE, PE
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 68" X 36" X 69" LONG SECTION = 7,226 LBS.



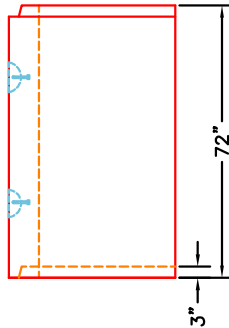
END VIEW



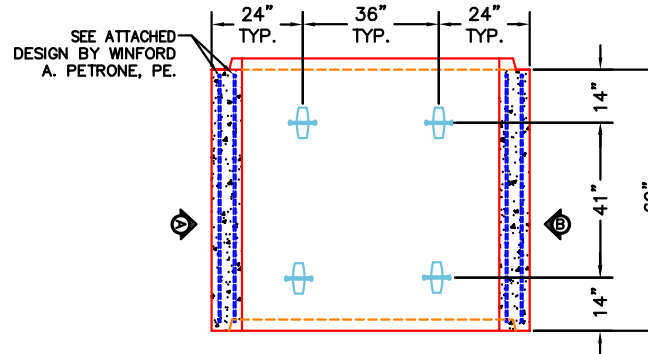
JOINT DETAIL (TYP.)
NTS



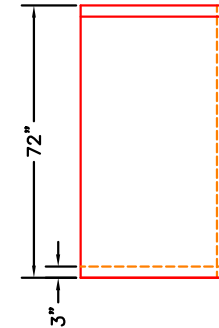
COMPONENT
ISOMETRIC VIEW



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

4 EA. CONAC 5CA14
LIFTING ANCHORS

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.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 7,226 LBS.

TOP JOINT: TONGUE

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 68" X 36" X 69" LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 68" X 36" X 69" BOX CULVERT (P5)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

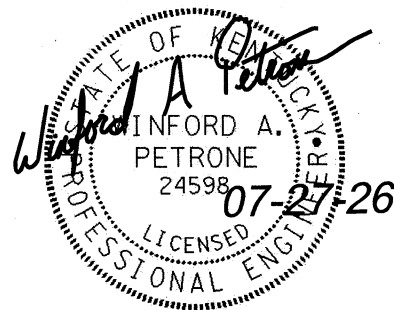
DATE: 07/31/26

SCALE: NTS

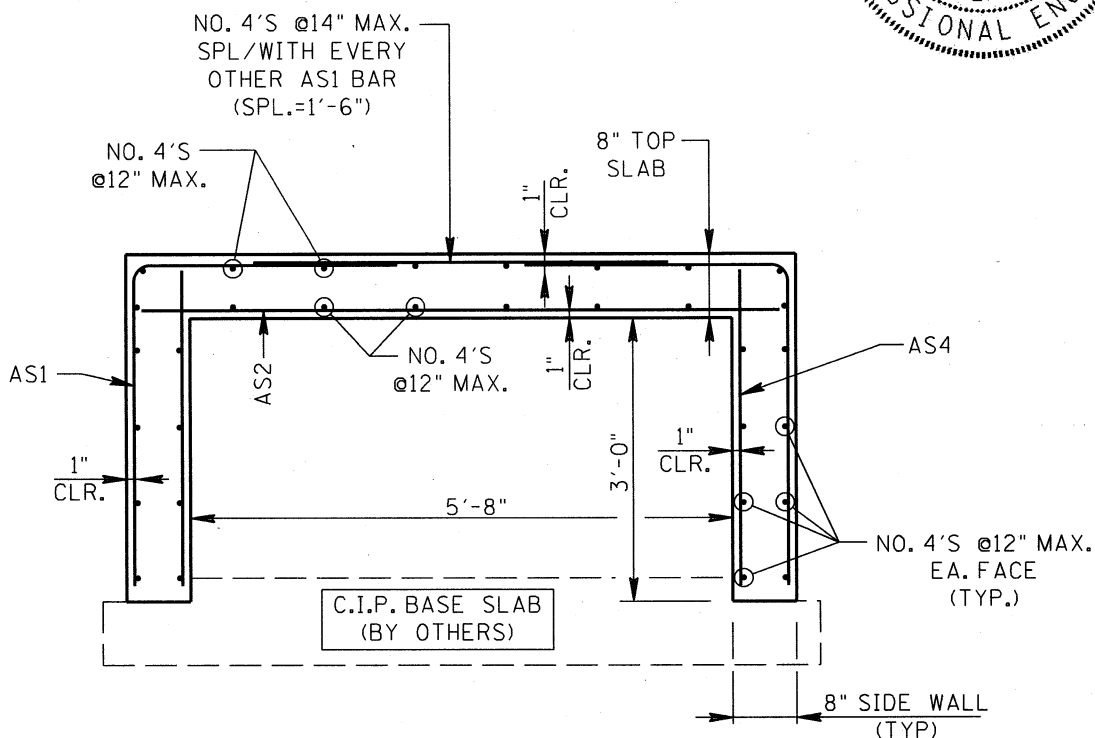
PG. 1 of 1

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

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



55/60

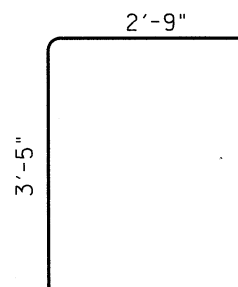


PRECAST TUNNEL SECTION

5'-8"X3'-0" STEAM TUNNEL RUN #1
NON-WEDGED UNITS

NOTE: CLEARANCE BETWEEN CUT-OFF
ENDS OF BARS AND OUTSIDE
FACES OF CONCRETE=2".

REINFORCING STEEL		
LOCATION	REQUIRED	COMMENTS
AS1	NO. 4'S@7"	BEND AS SHOWN
AS2	NO. 4'S@7"	EXTEND TO EXTER. FACES
AS3	NOT USED	NOT USED
AS4	NO. 4'S@12"	



BARS AS1

AS1, AS2, AND AS4 REINFORCING BARS

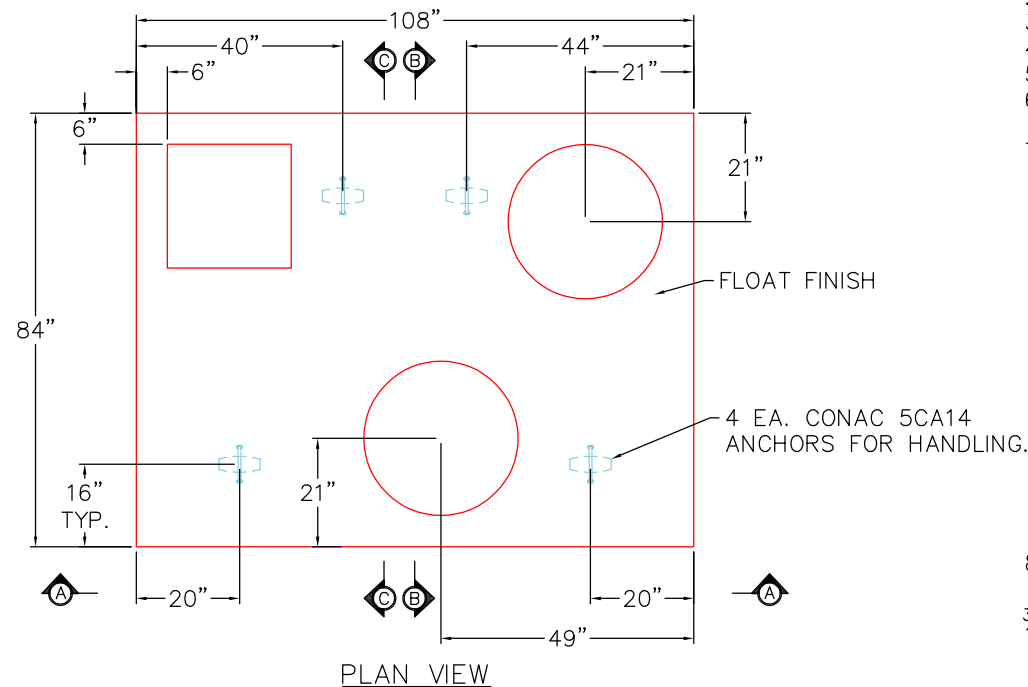
Fy-min=60 K.S.I.

THIS SECTION TO BE USED FOR ALL
RUN #1: NON-WEDGED UNITS,
RECTANGULAR IN PLAN VIEW.

SK-1

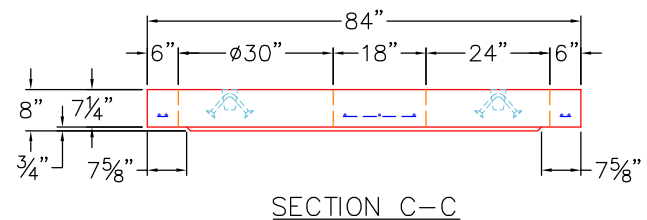
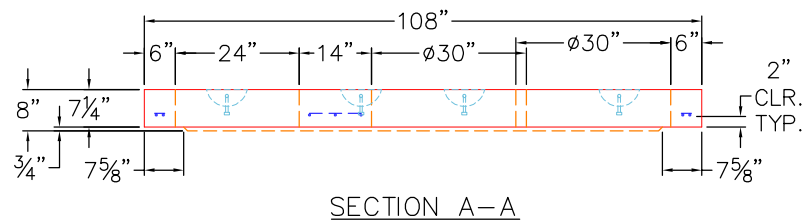
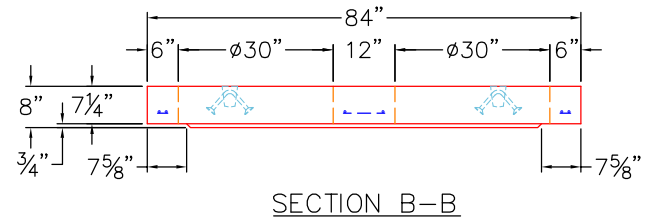
PRECAST STEAM TUNNELS: RUN NO.1, TYPICAL UNIT SECTION

UK BP9 SITE THERMAL AND ELECTRIC: 5'-8"X3'-0" STEAM TUNNEL RUN #1

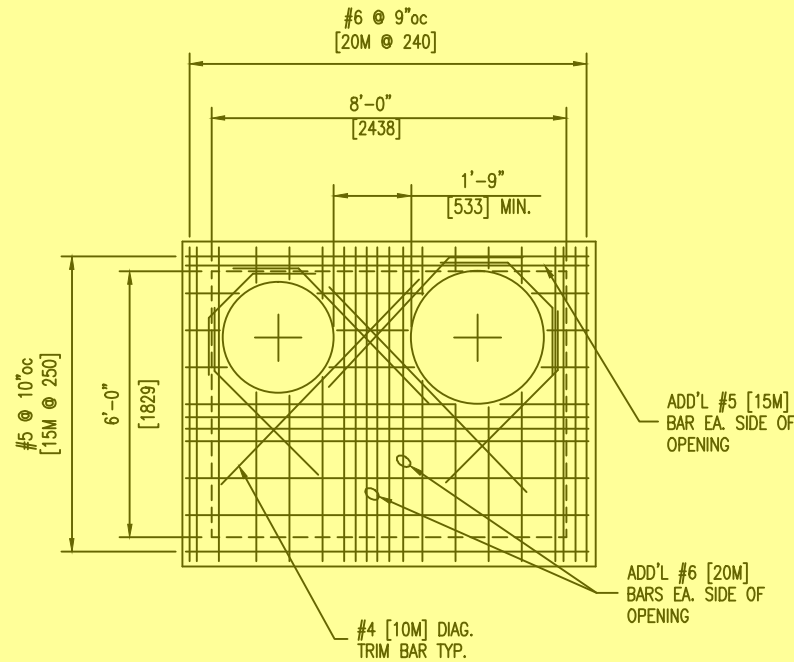


GENERAL NOTES:

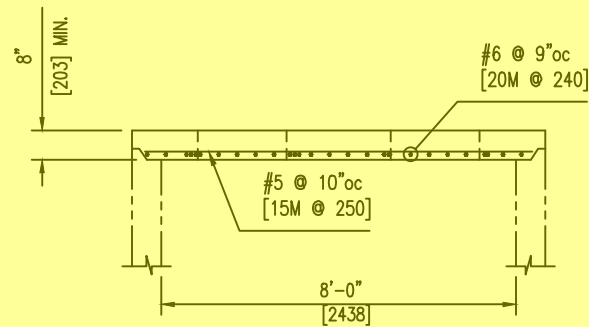
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: PER ATTACHED DESIGN BY CONTECH.
4. WEIGHT = 4,600 LBS
5. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
6. INLET & OUTLET PIPE OPENINGS TO BE STENCILED ONTO THE OUTSIDE OF THE PRODUCT.
7. VAULT JOINT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).



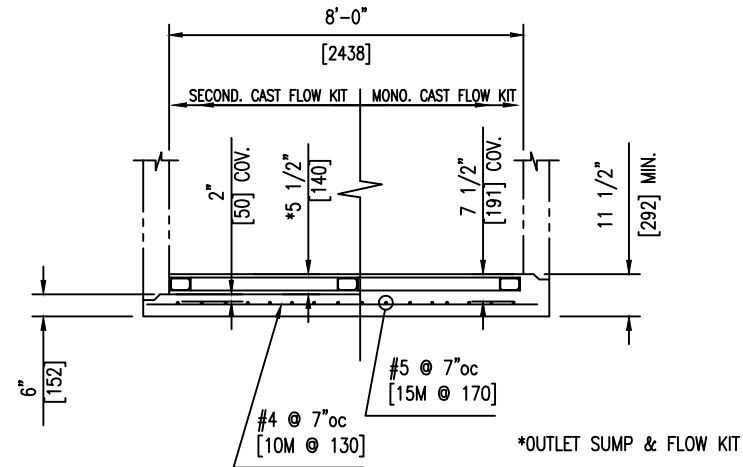
PRODUCTION WORK ORDER		PRODUCT I.D.: BX072096-06LD08S	DESCRIPTION: 72" X 96" X 7 1/4" VAULT TOP SLAB	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ HATCH INSTALLED CORRECT. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CONTECH ENGINEERING SOLUTIONS	
		PLANT: BEAVER DAM, KY.	PROJECT: 833109 WAWA NO. 7018	
		WEIGHT: 4,600 LBS.	STRUCTURE: 10-KFPD0608	
		TOP SECTION JOINT: N/A	ORDER NO: 26-3104	
		BASE SECTION JOINT: N/A	PC: C. GOFF	DRAWING: S. FELLETER
		QC CHECK INITIALS:	DATE: 07/28/26	SCALE: NTS PG. 1 of 1



PLAN VIEW
(TOP SLAB)
ALL COVER 2"[51] U.N.O.
(BAR WEIGHT = 141 LBS.)
REFERENCE CONTECH DRAWINGS FOR OPENING SIZES AND LOCATIONS. (36"Ø MAX.)

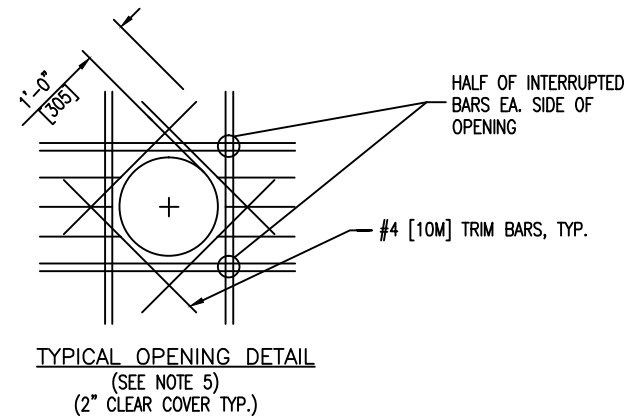


SECTION VIEW
(TOP SLAB)
ALL COVER 2"[51] U.N.O.



SECTION VIEW
(BOTTOM SLAB - SIDEWALL)
COVER AS SHOWN
(BAR WEIGHT = 202 LBS.)

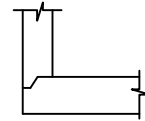
FOR USE WITH FULL HEIGHT RISER ONLY
FOR SECONDARY POUR FLOW KIT: ADJUST RISER HEIGHT TO MAINTAIN 6' MAX. I.D.



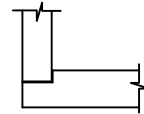
TYPICAL OPENING DETAIL
(SEE NOTE 5)
(2" CLEAR COVER TYP.)

LAYOUT OPTIONS:

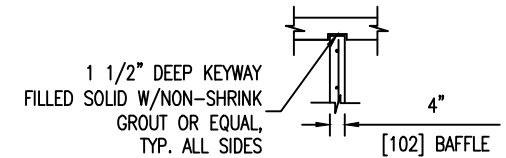
- LAYOUT 2 FULL HEIGHT BOTTOM UNIT WITH SECONDARY POUR BASE SLAB AND SEPARATE TOP SLAB.
- LAYOUT 3 FULL HEIGHT RISER UNIT WITH SEPARATE BASE SLAB & TOP SLAB.
- LAYOUT 4 MONOLITHIC HALF HEIGHT TOP AND BOTTOM UNITS.
- LAYOUT 6 MONOLITHIC FULL HEIGHT BASE UNIT WITH SEPARATE TOP SLAB.
- LAYOUT 7 MONOLITHIC HALF HEIGHT BASE UNIT WITH HALF HEIGHT RISER UNIT AND SEPARATE TOP SLAB.
- LAYOUT 9 MONOLITHIC HALF HEIGHT BASE UNIT AT VARYING HEIGHTS UP TO 3' MAX. USE FULL HEIGHT RISER DESIGN SHOWN TO HEIGHT REQUIRED AND SEPARATE TOP SLAB. MAX. I.D. OF COMPLETED VAULT TO BE 6'.



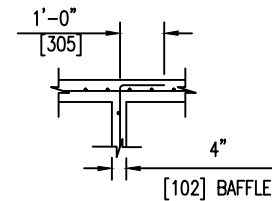
ALTERNATE JOINT DETAIL
(BASE SLAB)



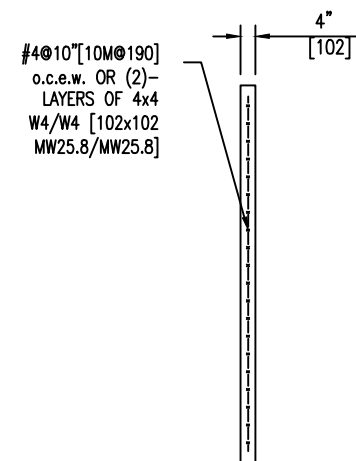
ALTERNATE JOINT DETAIL
(BASE SLAB)



KEYWAY BAFFLE CONNECTION
(PLAN VIEW)
LENGTH OF KEYWAY AS REQUIRED



MONOLITHIC BAFFLE CONNECTION
(PLAN VIEW)



SECTION VIEW
(BAFFLE)
PLACE REINFORCING IN CENTER OF WALL

PREPARED FOR:

TITLE: STORMFILTER 8 X 6 - BASE & ROOF SLAB & BAFFLE

PROJECT: STORMFILTER

DRAWN BY: KMK

CHECKED BY: SLV

SCALE: NONE

DATE: 10/2009

JOB No: 2007.025.058

NUMBER: SF8X6

Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3
Job Location: Olive Hill, KY
Contractor: Walker Principles

Plant: 100

7/8/2026 9:06:56 AM

Tech: J. Horsley

PC: E. Bradley



Structure ID: RAS/WAS VV

P1 BX7272-08W08F06EB-VF

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

- P2) 72" x 72" - CB FLAT TOP 8"W w/36"X36 Hatch - 8"
P1) 72" x 72" - BX BASE w/FLANGE 08W/08F/06EF - 88"
1) LADDER (Alum.) - HALLIDAY L1B 72in Wall mount ladder
1) LADDER (Alum.) - HALLIDAY L1EAA Ladder Extension Safety Post
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
1) SECONDARY POUR - WALLS
1) 72" x 72" - Conseal CS-102 1.00"
5) A-Lok - 0150

4329 lb
25544 lb
50 lb
65 lb
78 lb
0 lb
0 lb
5 lb

30071 lb

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. NO STEPS / NO INVERT CHANNEL.
4. HATCH BY ICAST (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)

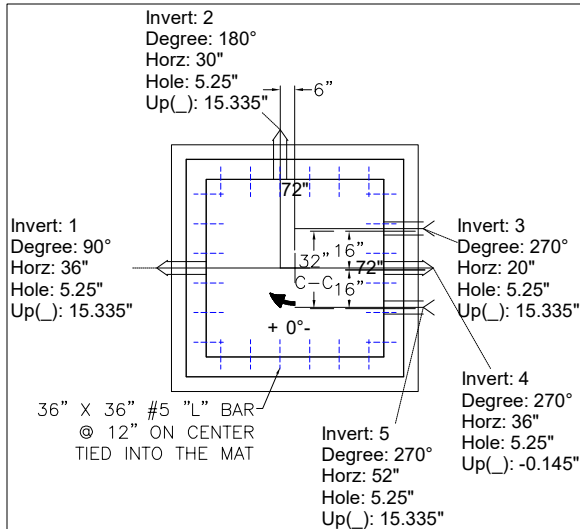
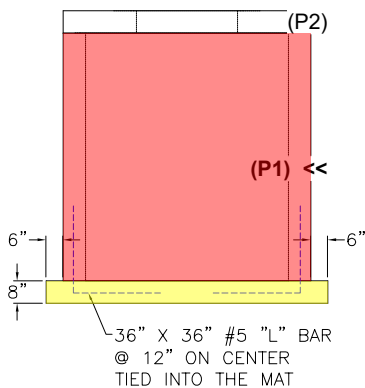
Structure Total:

Rim: 890.5' Rim to Invert: 7.96' Slack: 0" Sump: 0.48" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	883.83'	90°	44"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	15.335"	0"
Invert 2	883.83'	180°	38"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	15.335"	-6"
Invert 3	883.83'	270°	28"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	15.335"	-16"
Invert 4	882.54'	270°	44"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	-0.145"	0"
Invert 5	883.83'	270°	60"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	15.335"	16"
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



FIRST POUR DRAWING

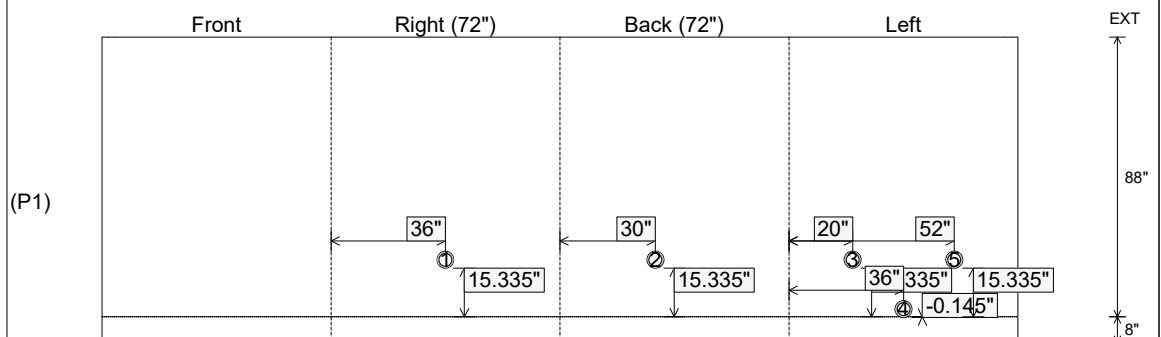
WEIGHTS:

FIRST POUR: 6,713 LBS

SECOND POUR: 18,831 LBS

TOTAL: 25,544 LBS

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 88"
Height (Ext): 96"

Weight (Net): 25544 lb
Volume (Net): 6.52cu.yd

Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3
Job Location: Olive Hill, KY
Contractor: Walker Principles

Plant: 100

7/8/2026 9:06:56 AM

Tech: J. Horsley

PC: E. Bradley



Structure ID: RAS/WAS VV

P1 BX7272-08W08F06EB-VF

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

- P2) 72" x 72" - CB FLAT TOP 8"W w/36"X36 Hatch - 8"
P1) 72" x 72" - BX BASE w/FLANGE 08W/08F/06EF - 88"
1) LADDER (Alum.) - HALLIDAY L1B 72in Wall mount ladder
1) LADDER (Alum.) - HALLIDAY L1EAA Ladder Extension Safety Post
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
1) SECONDARY POUR - WALLS
1) 72" x 72" - Conseal CS-102 1.00"
5) A-Lok - 0150

4329 lb
25544 lb
50 lb
65 lb
78 lb
0 lb
0 lb
5 lb

30071 lb

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. NO STEPS / NO INVERT CHANNEL.
4. HATCH BY ICAST (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)

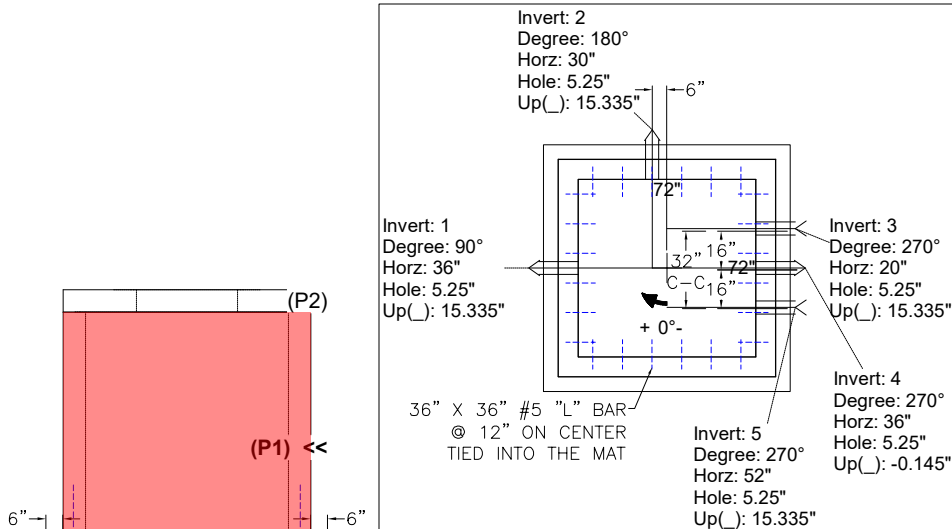
Structure Total:

Rim: 890.5' Rim to Invert: 7.96' Slack: 0" Sump: 0.48" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	883.83'	90°	44"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	15.335"	0"
Invert 2	883.83'	180°	38"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	15.335"	-6"
Invert 3	883.83'	270°	28"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	15.335"	-16"
Invert 4	882.54'	270°	44"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	-0.145"	0"
Invert 5	883.83'	270°	60"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	15.335"	16"
Invert 6										
Invert 7										
Invert 8										

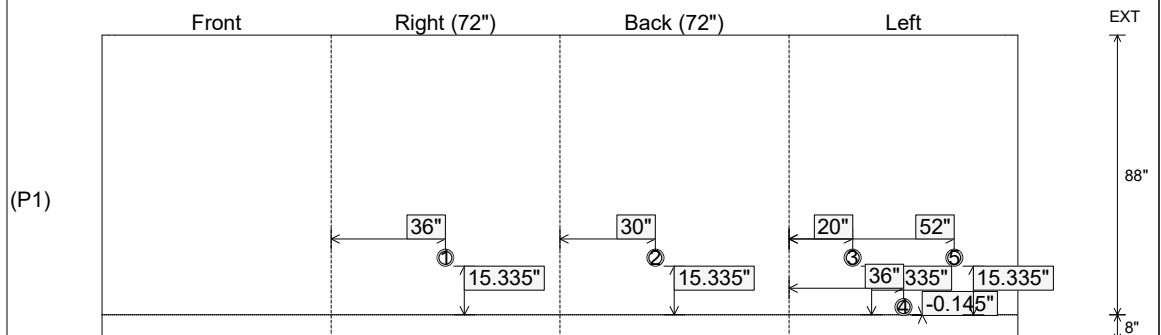
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



SECOND POUR DRAWING
WEIGHTS:
FIRST POUR: 6,713 LBS
SECOND POUR: 18,831 LBS
TOTAL: 25,544 LBS

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 88"
Height (Ext): 96"

Weight (Net): 25544 lb
Volume (Net): 6.52cu.yd

Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3
Job Location: Olive Hill, KY
Contractor: Walker Principles

Plant: 100

7/8/2026 9:06:55 AM

Tech: J. Horsley

PC: E. Bradley



Structure ID: SCUM VV

P1 BX6060-08W08F06EB-VF

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

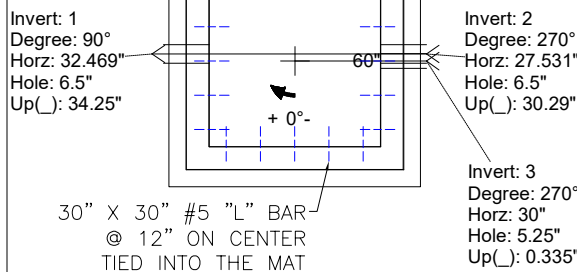
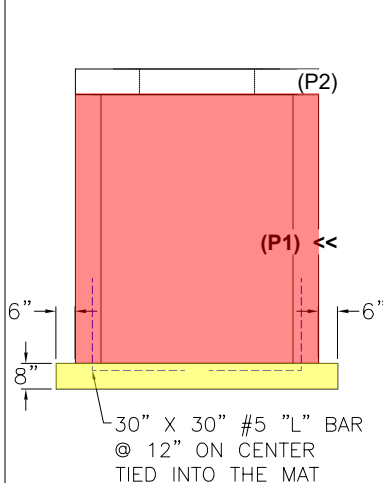
- P2) 60" x 60" - CB FLAT TOP 8"W w/36"X36 Hatch - 8"
P1) 60" x 60" - BX BASE w/FLANGE 08W/08F/06EF - 84"
1) LADDER (Alum.) - HALLIDAY L1B 72in Wall mount ladder
1) LADDER (Alum.) - HALLIDAY L1EAA Ladder Extension Safety Post
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
1) SECONDARY POUR - WALLS
1) 60" x 60" - Con Seal CS-102 1.00" (Double)
2) Z-Lok - C107-3
1) A-Lok - 0150

- 3007 lb
20477 lb
50 lb
65 lb
78 lb
0 lb
0 lb
2 lb
1 lb
Structure Total: 23681 lb
- Structure Notes:**
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. NO STEPS / NO INVERT CHANNEL.
4. HATCH BY ICAST (HALLIDAY W1S 36"x36")
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) T#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.

Rim: 890.5' Rim to Invert: 7.59' Slack: 0.04" Sump: 0.96" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	885.83'	90°	40.469"	3" DI	3.5"	Z-Lok C107-3	6.5"	6.5"	34.25"	2.469"
Invert 2	885.5'	270°	35.531"	3" DI	3.5"	Z-Lok C107-3	6.5"	6.5"	30.29"	-2.469"
Invert 3	882.91'	270°	38"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	0.335"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



FIRST POUR DRAWING

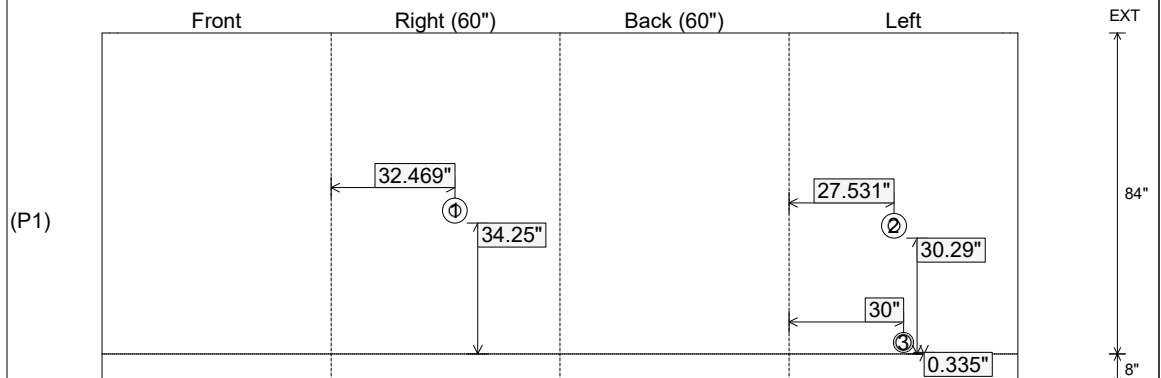
WEIGHTS:

FIRST POUR: 5,199 LBS

SECOND POUR: 15,278 LBS

TOTAL: 20,477 LBS

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 84"
Height (Ext): 92"

Weight (Net): 20477 lb
Volume (Net): 5.23cu.yd

Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3
Job Location: Olive Hill, KY
Contractor: Walker Principles

Plant: 100

7/8/2026 9:06:55 AM

Tech: J. Horsley

PC: E. Bradley



Structure ID: SCUM VV

P1 BX6060-08W08F06EB-VF

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

- P2) 60" x 60" - CB FLAT TOP 8"W w/36"X36 Hatch - 8"
P1) 60" x 60" - BX BASE w/FLANGE 08W/08F/06EF - 84"
1) LADDER (Alum.) - HALLIDAY L1B 72in Wall mount ladder
1) LADDER (Alum.) - HALLIDAY L1EAA Ladder Extension Safety Post
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
1) SECONDARY POUR - WALLS
1) 60" x 60" - Con Seal CS-102 1.00" (Double)
2) Z-Lok - C107-3
1) A-Lok - 0150

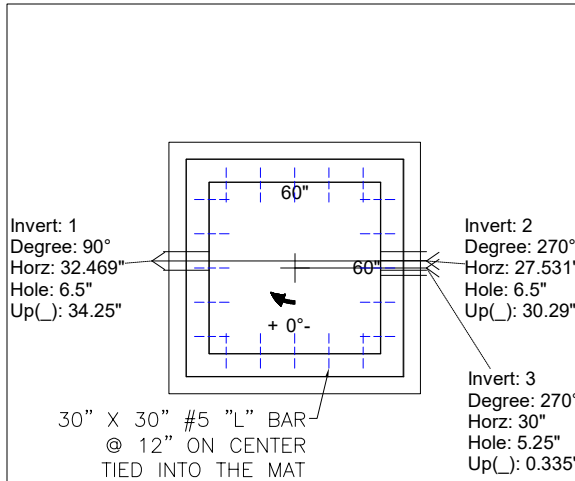
- 3007 lb
20477 lb
50 lb
65 lb
78 lb
0 lb
0 lb
2 lb
1 lb
- Structure Notes:**
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. NO STEPS / NO INVERT CHANNEL.
4. HATCH BY ICAST (HALLIDAY W1S 36"x36")
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) T#5 BARS AT 6" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Structure Total: 23681 lb

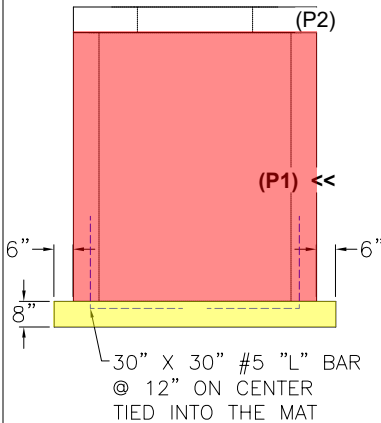
Rim: 890.5' Rim to Invert: 7.59' Slack: 0.04" Sump: 0.96" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1	885.83'	90°	40.469"	3" DI	3.5"	Z-Lok C107-3	6.5"	6.5"	34.25"	2.469"
Invert 2	885.5'	270°	35.531"	3" DI	3.5"	Z-Lok C107-3	6.5"	6.5"	30.29"	-2.469"
Invert 3	882.91'	270°	38"	4" DI	4.75"	A-Lok 0150	5.25"	5.25"	0.335"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

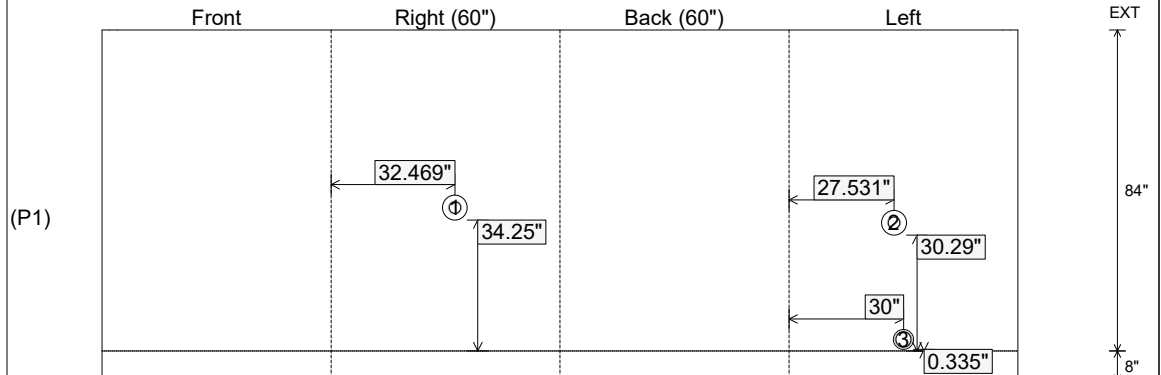
RIGHT-SIDE UP VIEW (int. dimensions)



SECOND POUR DRAWING
WEIGHTS:
FIRST POUR: 5,199 LBS
SECOND POUR: 15,278 LBS
TOTAL: 20,477 LBS



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 84"
Height (Ext): 92"

Weight (Net): 20477 lb
Volume (Net): 5.23cu.yd

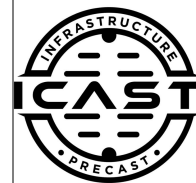
Job Name: 26-3001 - Gunnison Way Grease Traps
Job Location: Bowling Green, KY 42103
Contractor: Bowling Green Winsupply

Plant: Beaver Dam, KY

Tech: K. Cardwell

7/9/2026 9:44:30 AM

PC: T. Lewis



Structure ID: GT 2

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

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

0 lb
5775 lb
16155 lb
975 lb
0 lb
0 lb
13 lb

22918 lb

Structure Total:

Structure Notes:

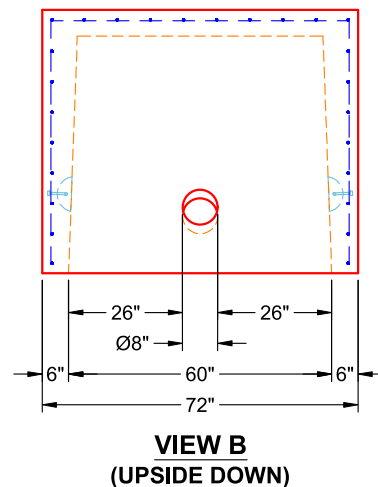
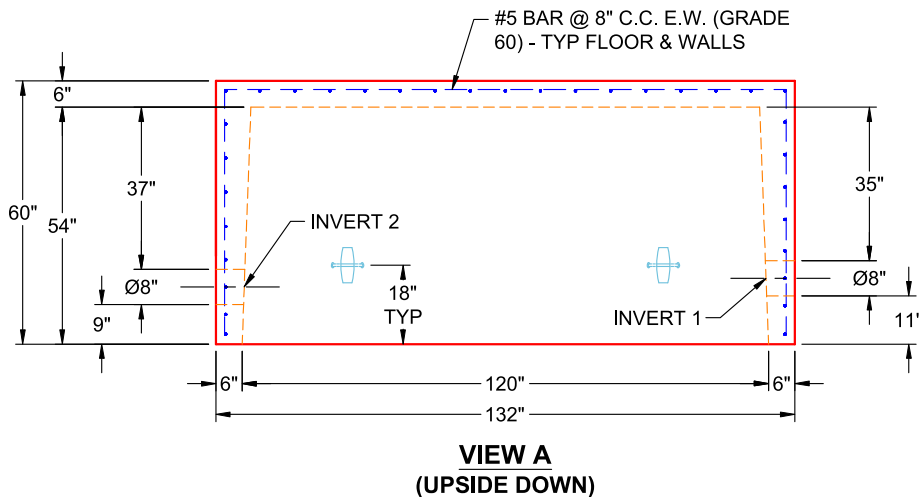
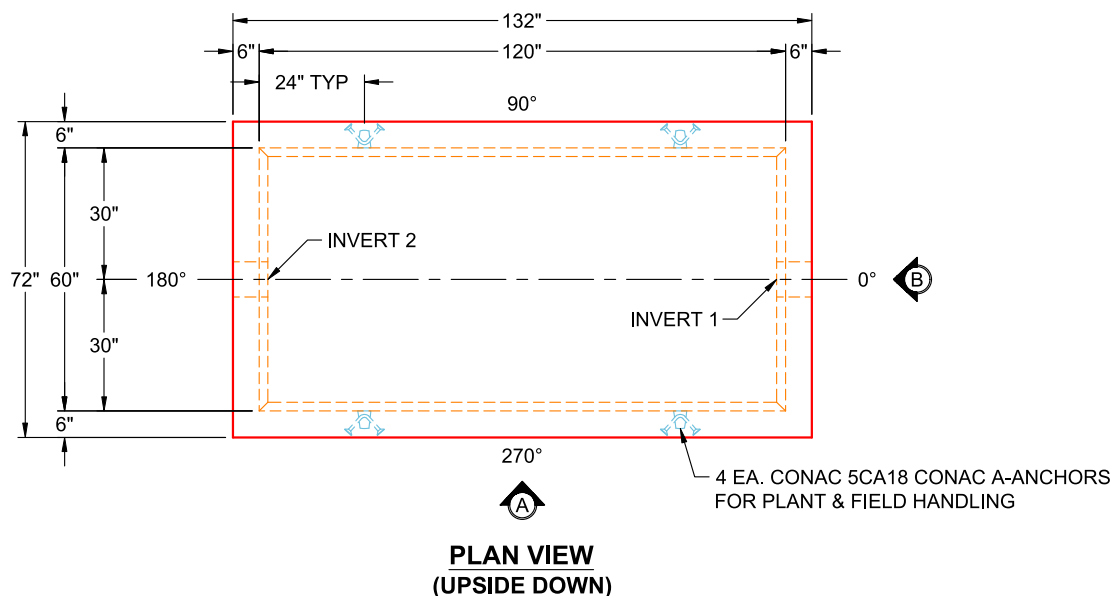
1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. NO FLOW CHANNEL
5. 2 EA. 7" CASTINGS SUPPLIED BY OTHERS
6. LIFTERS: 4 EA. 5CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN

FIRST POUR (BASE): 16,155 LBS

SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.75' Rim to Invert: 2.667' Slack: 0" Sump: 37" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



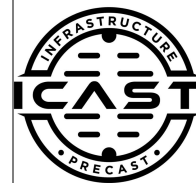
Job Name: 26-3001 - Gunnison Way Grease Traps
Job Location: Bowling Green, KY 42103
Contractor: Bowling Green Winsupply

Plant: Beaver Dam, KY

Tech: K. Cardwell

7/9/2026 9:44:30 AM

PC: T. Lewis



Structure ID: GT 2

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

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

0 lb
5775 lb
16155 lb
975 lb
0 lb
0 lb
13 lb

22918 lb

Structure Total:

Structure Notes:

1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. DRILL & DOWEL #4 BAR @ 12" C.C. E.W. (GRADE 60) INTO BASE FLOOR FOR BAFFLE WALL TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR
5. PRIOR TO BAFFLE WALL POUR, ADD STRIP OF CS-231 BETWEEN BAFFLE WALL & TANK WALLS (BOTH SIDES)

FIRST POUR (BASE): 16,155 LBS

SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.75'

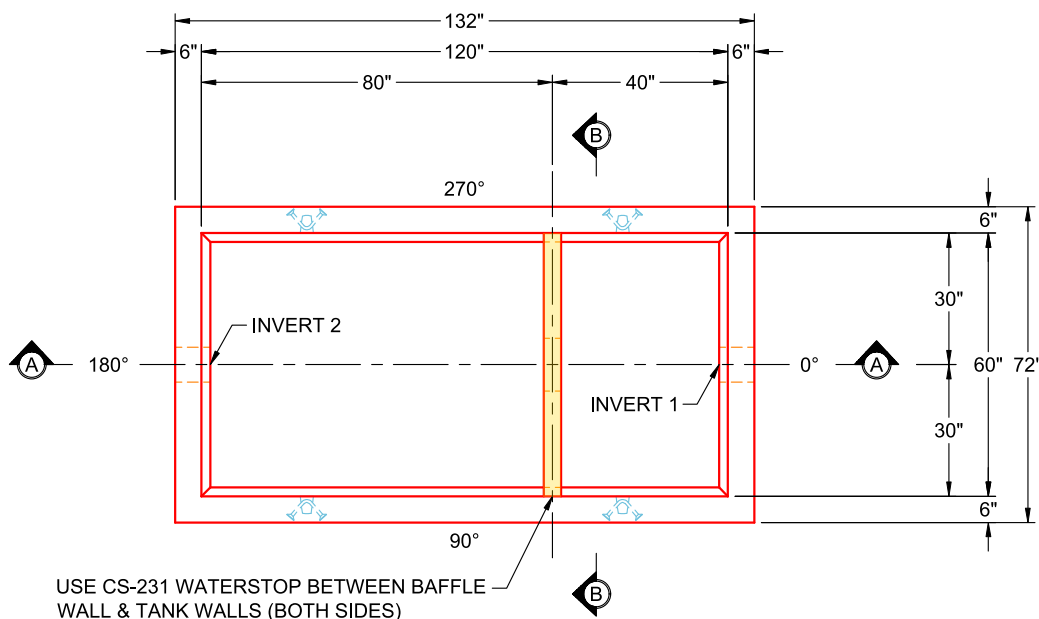
Rim to Invert: 2.667'

Slack: 0"

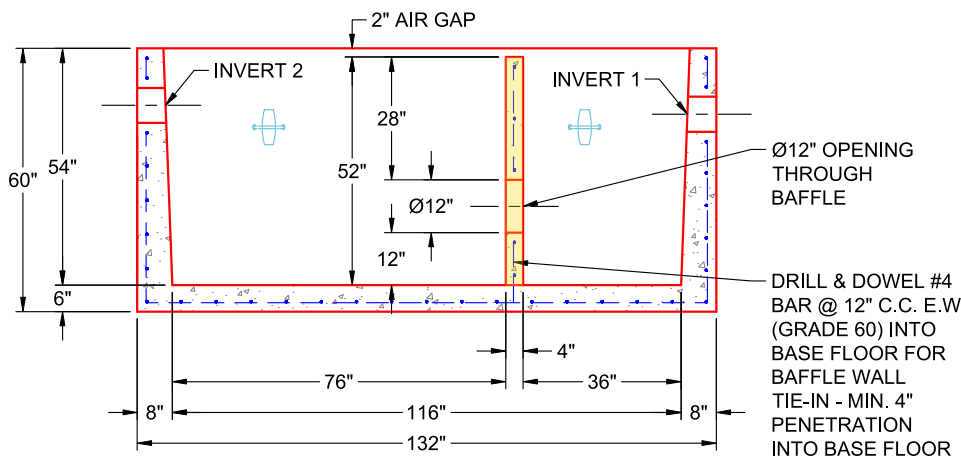
Sump: 37"

Step Position:

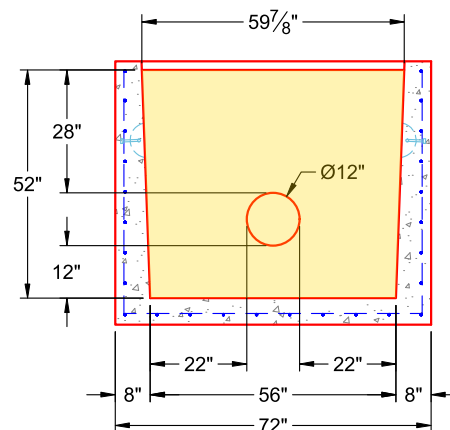
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



**PLAN VIEW
(RIGHT SIDE UP)**



**SECTION A-A
(RIGHT SIDE UP)**



**SECTION B-B
(RIGHT SIDE UP)**

Job Name: 26-1333 - Mitchell Hill Road Project

Job Location: Louisville, KY 40118

Contractor: Hall Contracting of Kentucky Inc

Plant: 100

6/16/2026 1:23:30 PM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: WALL P14-P15

P3 CUSTOM WALL

WALL PANEL 6" THICK F/F

P4) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG

P3) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG

P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

1) Hole - 2

932 lb

932 lb

1398 lb

1398 lb

0 lb

Structure Total: 4659 lb

Structure Notes: .

1. PER ASTM C913 SPECIFICATIONS.

2. CONCRETER = 4,000 PSI AT 28" DAYS.

3. SMOOTH FORM FINISH ON THE FRONT SURFACE.

4. 3/4" CHAMFER ON ALL LONG EDGES.

REINFORCING PER ASTM A615 (GRADE 60).

-VERTICAL BARS = #4 BARS AT 12" C/C

-HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)

Rim: 695'

Rim to Invert: 5'

Slack: 0"

Sump: 60"

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										

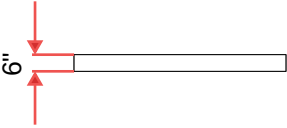
(P4)

(P3) <<

(P2)

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



Note:

See attached typical drawing for reinforcing and lifting details.

INSIDE WALL DIMENSIONS

(P3)

6'-5"

(77")

24"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Flat

Wall Thickness: 0"

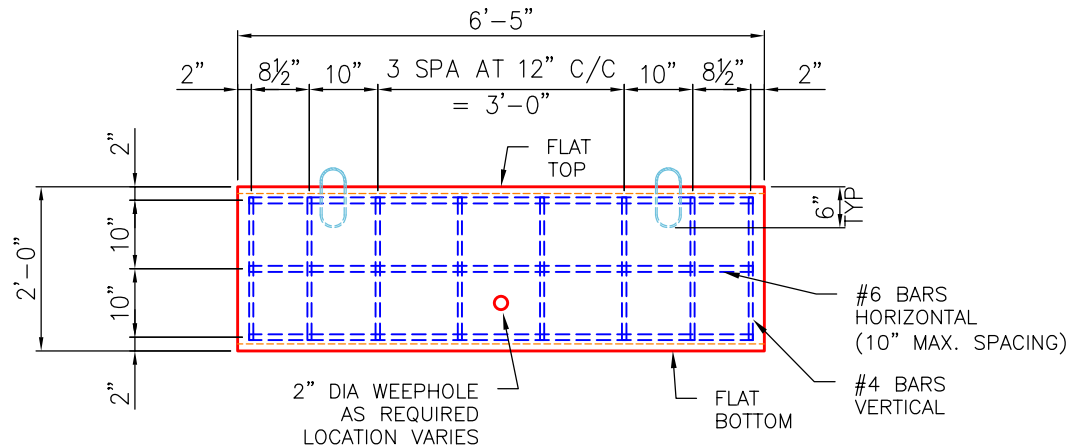
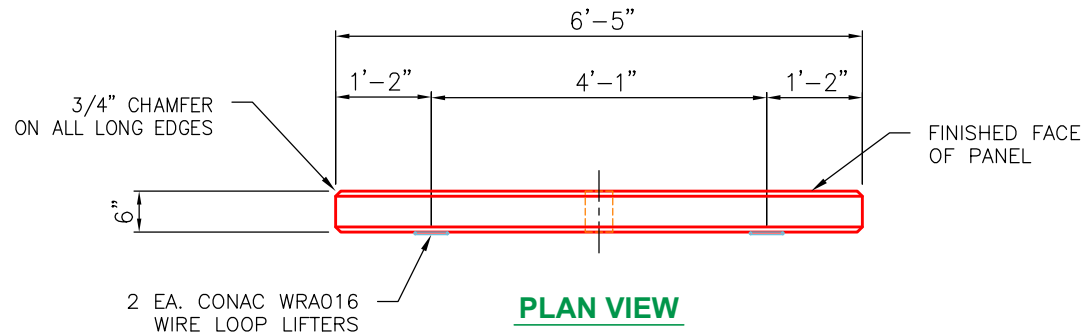
Floor Height: 0"

Height (Int): 24"

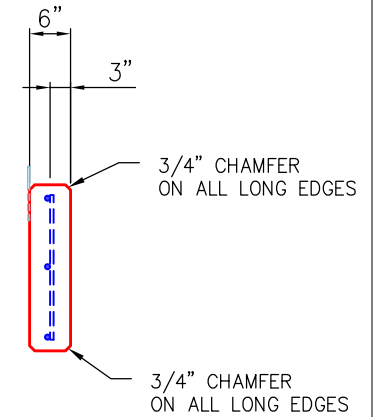
Height (Ext): 24"

Weight (Net): 932 lb

Volume (Net): 0.24cu.yd



SIDE VIEW

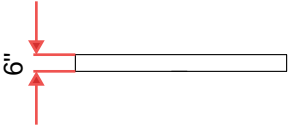
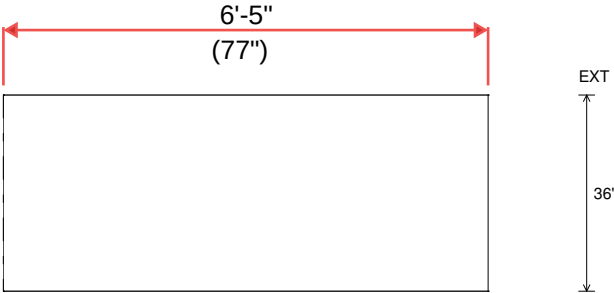


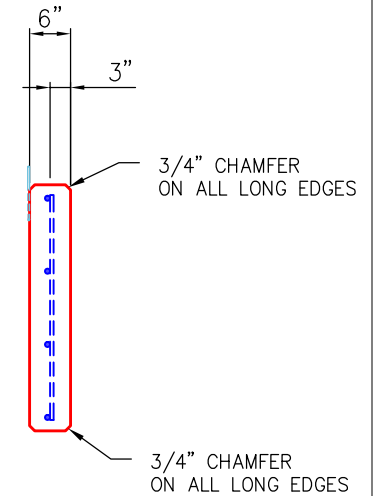
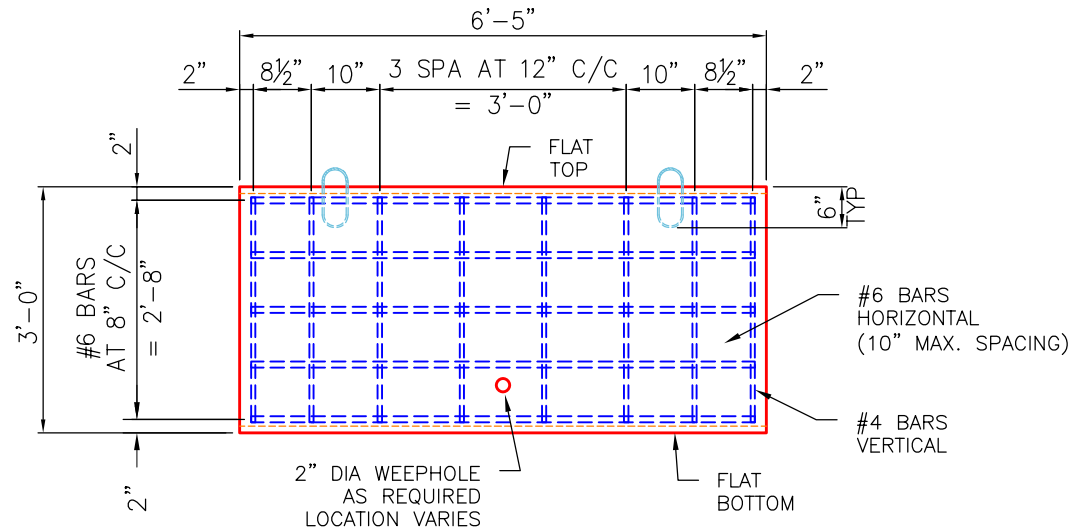
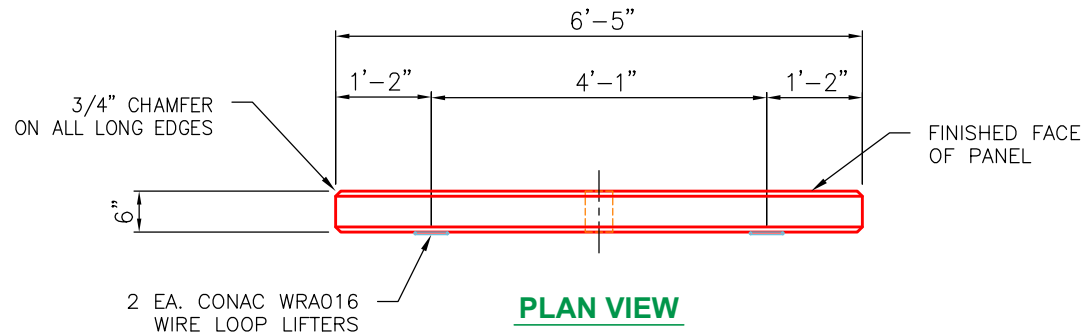
END VIEW

GENERAL NOTES:

1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 914 LBS
6. 21 REQUIRED.

REVISION INFORMATION				SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.	
REV. 	DATE:	NO REVISIONS TO DATE		CUSTOMER: HALL CONTRACTING OF KY INC.	
				PROJECT: MITCHELL HILL ROAD PROJECT	
				STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 24" HT)	
				SALES ORDER NO: 26-1333	
				CHECK: B. SMITH	DRAWN BY: J. HORSLEY
				DATE: 04/20/26	SCALE: NTS PG. 1 of 1

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:22:06 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P13-P14											
P1 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2						1398 lb 1398 lb 1398 lb 1398 lb ----- 0 lb Structure Total: 5591 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 696' Rim to Invert: 6.75' Slack: 0" Sump: 63" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions) Note: See attached typical drawing for reinforcing and lifting details.											
INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd	



GENERAL NOTES:

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

SIDE VIEW

END VIEW

REVISION INFORMATION				SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.	
REV. 	DATE:	NO REVISIONS TO DATE		CUSTOMER: HALL CONTRACTING OF KY INC.	
				PROJECT: MITCHELL HILL ROAD PROJECT	
				STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 36" HT)	
				SALES ORDER NO: 26-1333	
				CHECK: B. SMITH	DRAWN BY: J. HORSLEY
				DATE: 04/20/26	SCALE: NTS PG. 1 of 1

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:29 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P13-P14 P2 CUSTOM WALL					WALL PANEL 6" THICK F/F						
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG Hole - 2					1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)				
Rim: 696' Rim to Invert: 6.75' Slack: 0" Sump: 63" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	689.25'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	27"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

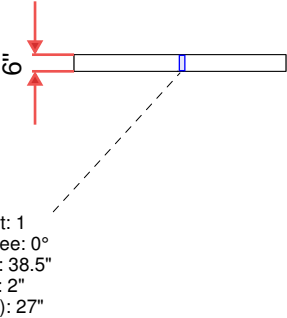
(P4)

(P3)

(P2) <<

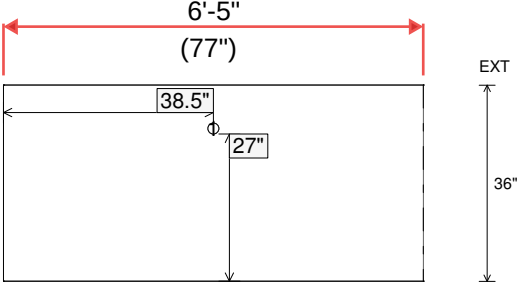
(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

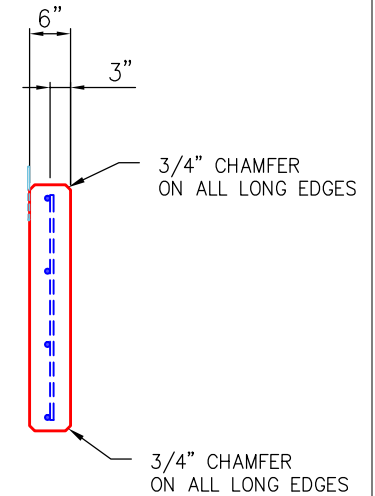
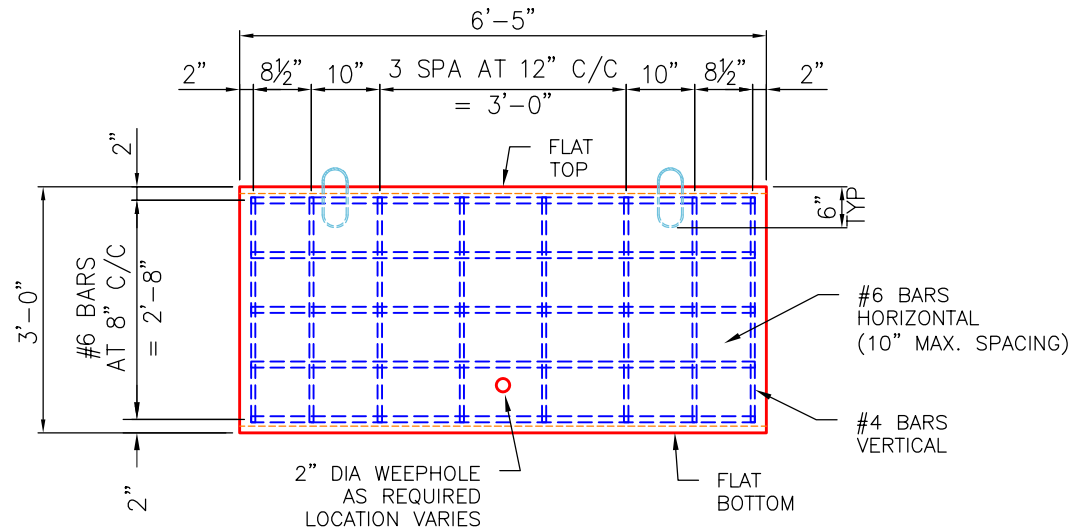
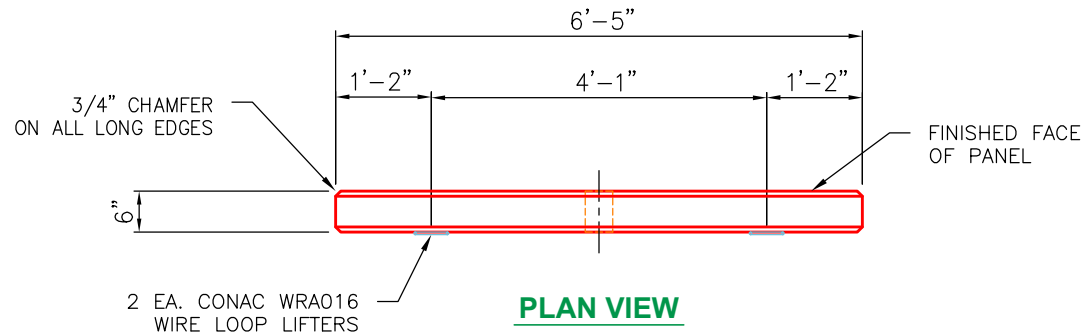


Note:
See attached typical drawing
for reinforcing and lifting details.

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 0" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 1398 lb Volume (Net): 0.36cu.yd
----------------------------------	--------------------------------	--	--	--



GENERAL NOTES:

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

SIDE VIEW

END VIEW

REVISION INFORMATION				SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.	
REV. 	DATE:	NO REVISIONS TO DATE		CUSTOMER: HALL CONTRACTING OF KY INC.	
				PROJECT: MITCHELL HILL ROAD PROJECT	
				STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 36" HT)	
				SALES ORDER NO: 26-1333	
				CHECK: B. SMITH	DRAWN BY: J. HORSLEY
				DATE: 04/20/26	SCALE: NTS PG. 1 of 1