

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 12:27:16 PM

Tech: S. Felletter

PC: T. Ryan



Structure ID: STR-23

P3 MH036LD06

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

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.

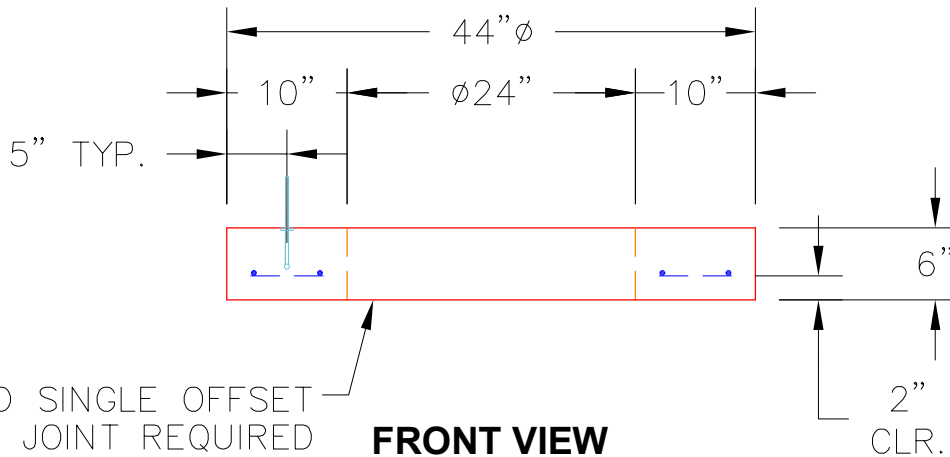
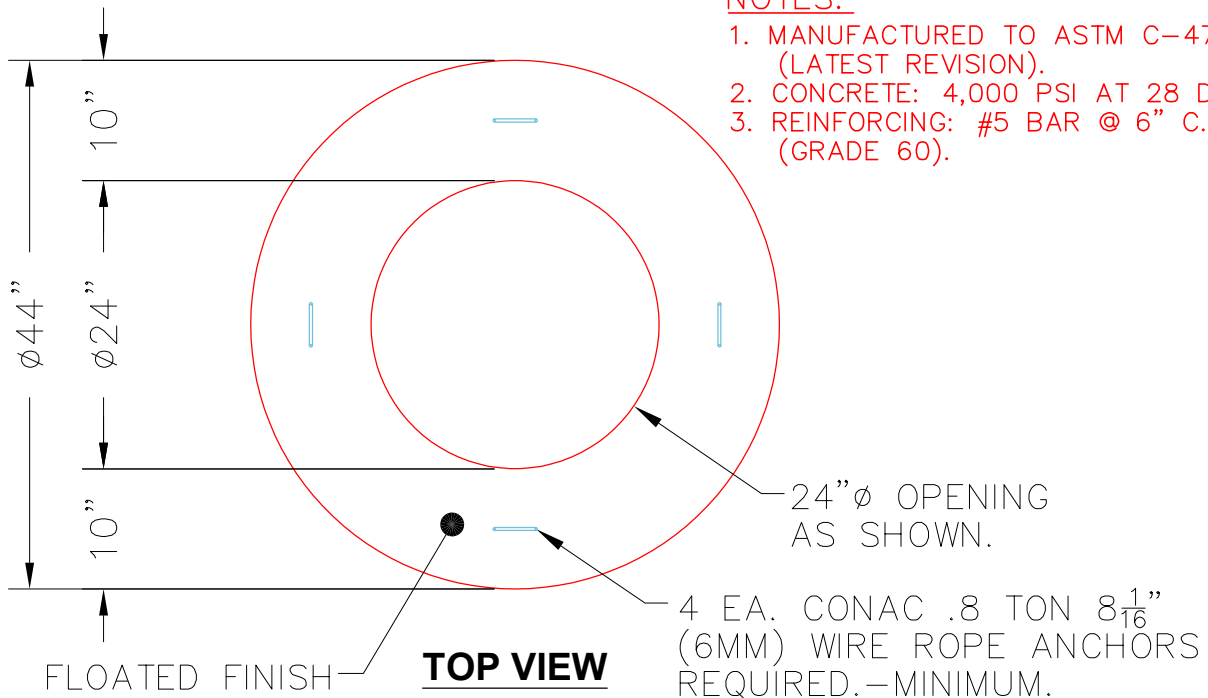
REINFORCING PER ASTM A615 (GRADE 60).

- 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.

Structure Total:

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 4"

Height (Ext): 6"

Weight (Net): 538 lb
Volume (Net): 0.14cu.yd

Job Name: 26-2648 Midtown Commons Apartments

Job Location: Madisonville, KY

Contractor: Steve Pleasant Excavating

Plant: Beaver Dam

7/20/2026 10:44:18 AM

Tech: S. Felletter

PC:

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 4.6 MHA

P1MH048BA36

MH BASE T/n

P3) 24" - CASTING HEIGHT - 8"

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

P1) 48" - MH BASE T/n - 36"

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

1) 48" - Conseal CS-102 1.00"

1) 24" - Conseal CS-102 1.00"

1) Hole - 32

1) Hole - 30

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

0 lb

1550 lb

3166 lb

206 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 4922 lb

Structure Notes:

1. PER KYTC MH A / ASTM C478 SPEC'S.

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

3. CASTING BY ICAST (HOE KY-510 F/C).

REINFORCING PER ASTM A615 (GRADE 60.)

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

- RISER/WALLS (As .18)

- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 433.89'

Rim to Invert: 5.43'

Slack: 1.16"

Sump: 4"

Step Position: 114°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	428.46'	0°	0"	24" ADS N-12	28"	Hole 32	32"	35.027"	0"	0"
Invert 2	428.54'	228°	115.401"	24" ADS N-12	28"	Hole 30	30"	32.406"	1.96"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

Step: 114°

Horz: 47.752"

Invert: 2

Degree: 228°

Horz: 95.504"

Hole: 30"

Up(): 1.96"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 32"

Up(): 0"

Step: 114°

Horz: 47.752"

Invert: 2

Degree: 228°

Horz: 95.504"

Hole: 30"

Up(): 1.96"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 32"

Up(): 0"

INSIDE WALL DIMENSIONS

1.96"

0"

360°

270°

180°

90°

0°

36"

EXT

2

1

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

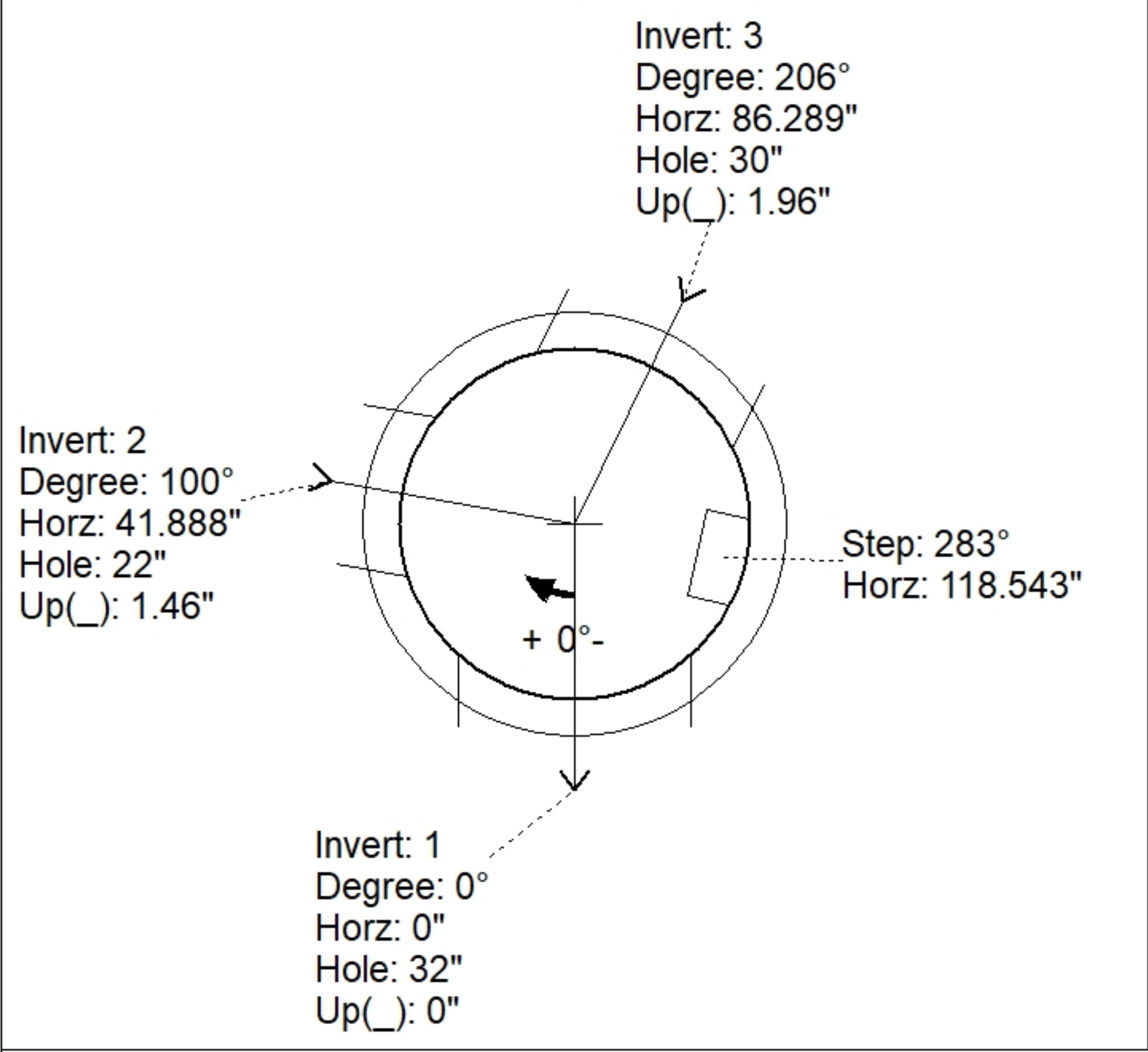
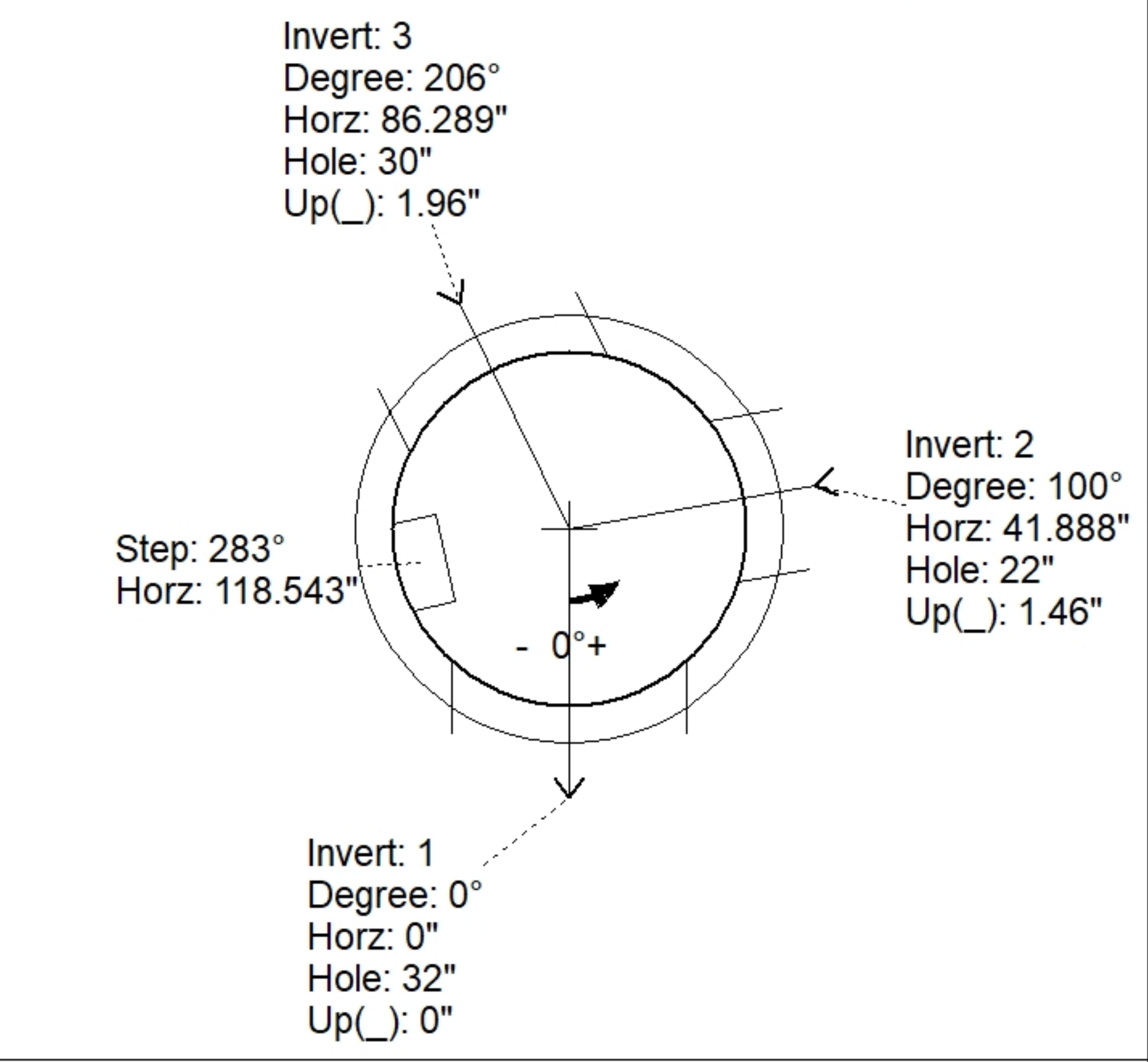
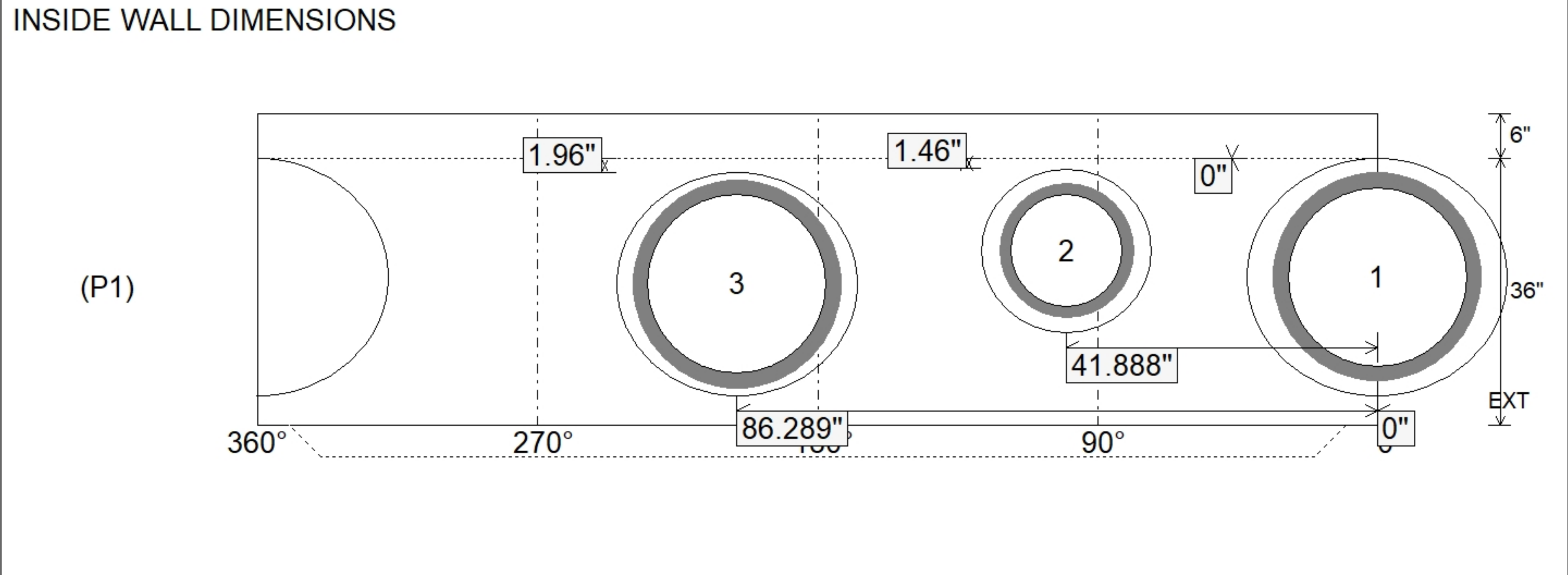
Floor Height: 6"

Height (Int): 36"

Height (Ext): 42"

Weight (Net): 3166 lb

Volume (Net): 0.81cu.yd

Job Name: 26-2648 Midtown Commons Apartments Job Location: Madisonville, KY Contractor: Steve Pleasant Excavating				Plant: Beaver Dam 7/20/2026 10:44:17 AM		Tech: S. Felletter PC:						
Structure ID: 4.4 MHA												
P1			MH048BA36								MH BASE T/n	
P4) 24" - CASTING HEIGHT - 8" P3) 24" - GRADE RING F/F - 4" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE T/n - 36" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 48" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 1) Hole - 32 1) Hole - 22 1) Hole - 30 6) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 2050 lb 3001 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 5527 lb		Structure Notes: 1. PER KYTC MH A / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE KY-206 F/C). REINFORCING PER ASTM A615 (GRADE 60.) - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.				
Rim: 435.3' Rim to Invert: 6.3' Slack: 1.6" Sump: 4" Step Position: 283°												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	429'	0°	0"	24" ADS N-12	28"	Hole 32	32"	35.027"	0"	0"		
Invert 2	429.08'	100°	50.615"	15" ADS N-12	18"	Hole 22	22"	22.854"	1.46"	0"		
Invert 3	429.08'	206°	104.266"	24" ADS N-12	28"	Hole 30	30"	32.406"	1.96"	0"		
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimenions) 												
INSIDE WALL DIMENSIONS 												
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 36" Height (Ext): 42"		Weight (Net): 3001 lb Volume (Net): 0.77cu.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 2:25:15 PM

Tech: Jared - A

PC: Celina Goff



Structure ID: 243-88 SS-MH

P1 MH048BA42

MH BASE (08"F) T/n

P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
P2) 48" - MH RISER T/G - 24"
P1) 48" - MH BASE (08"F) T/n - 42"
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)
1) Kor-N-Seal2 - S206-28
1) PSX - 16Y NYLO
6) MH Step ML-10-TDS-NCR - 10"

0 lb

3000 lb

1677 lb

4349 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

6 lb

8 lb

0 lb

Structure Total: 10751 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: 479.61'

Rim to Invert: 9.17'

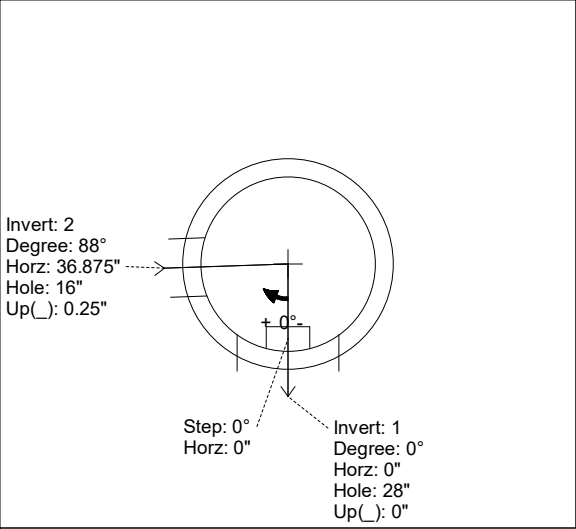
Slack: 3.04"

Sump: 2"

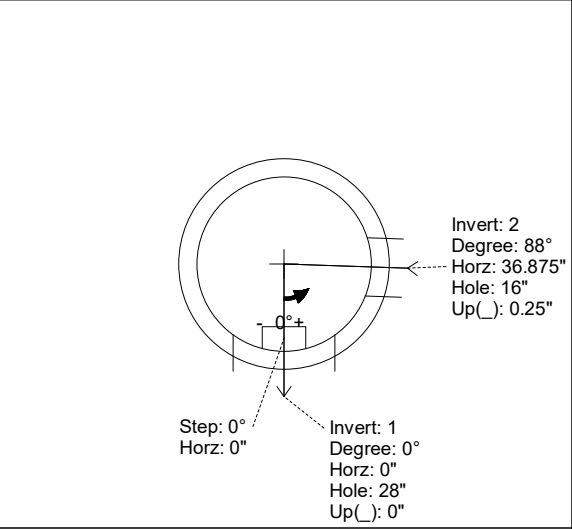
Step Position: 0

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	470.44'	0°	0"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	0"	0"
Invert 2	470.54'	88°	44.5"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	0.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

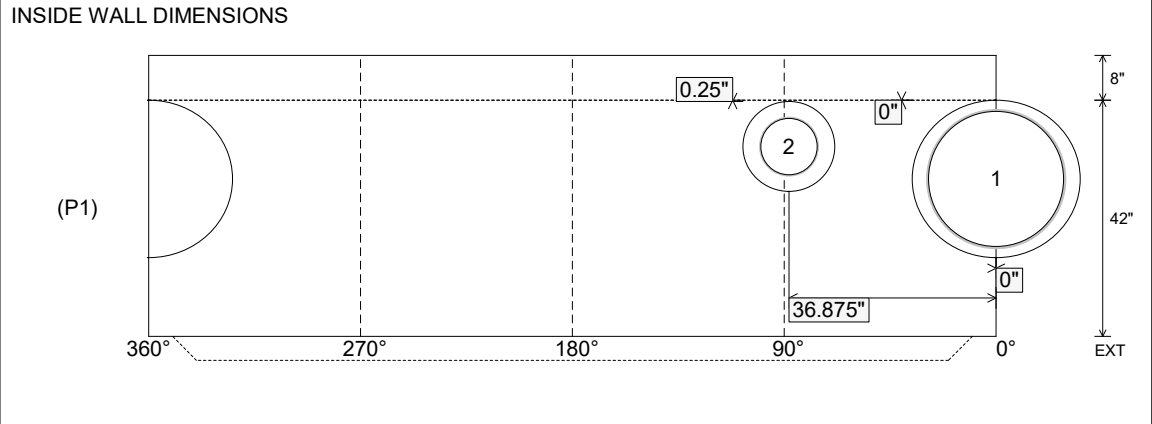
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 8"

Height (Int): 42"

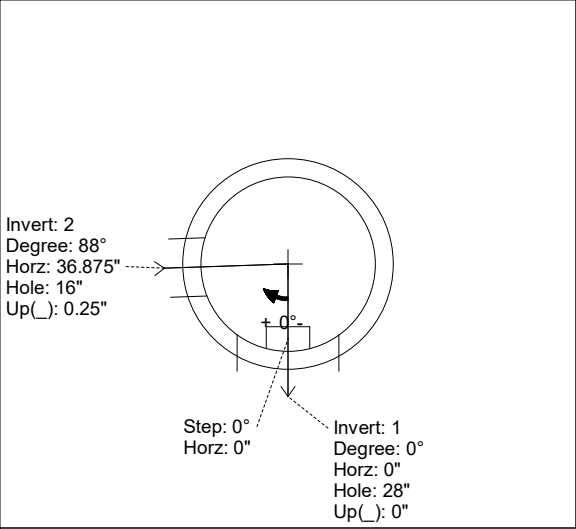
Height (Ext): 50"

Weight (Net): 4349 lb

Volume (Net): 1.11cu.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 2:25:15 PM		Tech: Jared - A PC: Celina Goff						
Structure ID: 243-88 SS-MH												
P1 MH048BA42				MH BASE (08"F) T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 36" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE (08"F) T/n - 42" 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) 1) Kor-N-Seal2 - S206-28 1) PSX - 16Y NYLO 6) MH Step ML-10-TDS-NCR - 10"						0 lb 3000 lb 1677 lb 4349 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 6 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				
Rim: 479.61' Rim to Invert: 9.17' Slack: 3.04" Sump: 2" Step Position: 0						Structure Total: 10751 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	470.44'	0°	0"	24" PVC SDR35	24.75"	Kor-N-Seal2 S206-28	28"	29.896"	0"	0"		
Invert 2	470.54'	88°	44.5"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	0.25"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

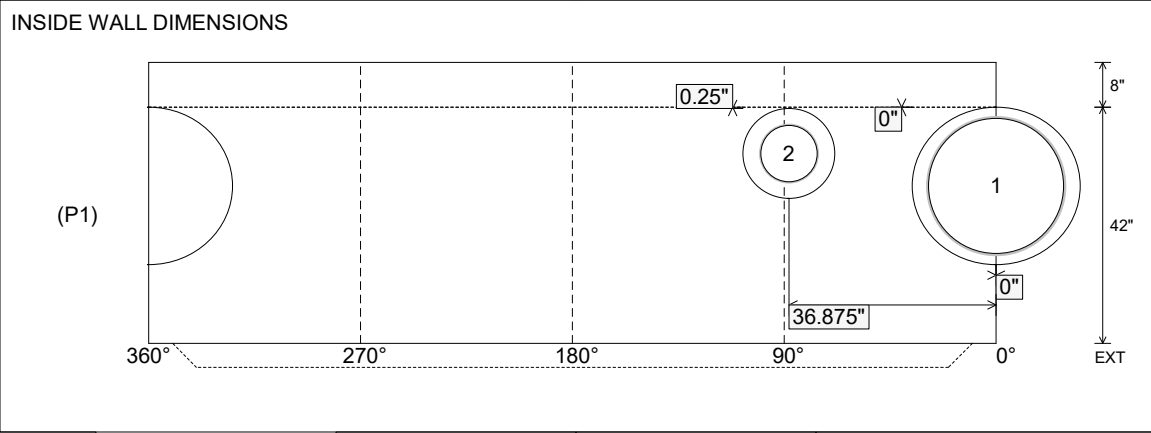
RIGHT-SIDE UP VIEW (int. dimensions)



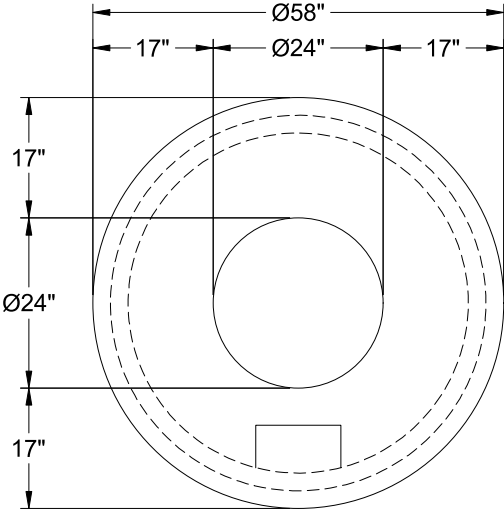
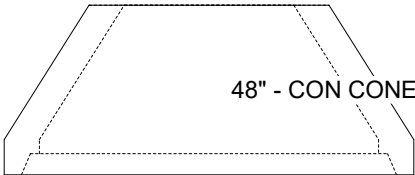
UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 42" Height (Ext): 50"	Weight (Net): 4349 lb Volume (Net): 1.11cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting		Plant: 100 3/27/2026 11:40:27 AM	Tech: J. Horsley - A PC: Celina Goff	
Structure ID: 2301555				
P4 MH048CCN24		CON CONE w/24" HOLE F/G		
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 48" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE T/n - 72" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 12) MH Step ML-10-TDS-NCR - 10"		0 lb 2252 lb 3353 lb 2204 lb 8895 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 19398 lb Structure Total:	Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS REQUIRED 5. 7" CASTING SUPPLIED BY OTHERS	
				
				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 2252 lb Volume (Net): 0.57cu.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

8/11/2026 9:19:10 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: DBI-18

P1 MH060BAVF

MH BASE Custom Ht T/n

P3) 24" x 30" - CASTING HEIGHT - 3.50"

P2) 60" - MH FLAT TOP w/24"x30" Hole F/G - 13"

P1) 60" - MH BASE Custom Ht T/n - 67"

1) CASTING - HOE KY-460-11 F/G (DBI 11)

1) 60" - Conseal CS-102 1.00"

1) 24" x 30" - Conseal CS-102 1.00"

1) Hole - 44

1) Hole - 38

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

0 lb

2668 lb

8276 lb

421 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 11365 lb

Structure Notes:

1. PER ASTM C478 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..

- RISER/WALLS (As .18)

- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 591'

Rim to Invert: 7.03'

Slack: 0.86"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	583.97'	0°	0"	36" HDPE	41.7"	Hole 44	44"	49.393"	-2.85"	0"
Invert 2	583.97'	180°	113.097"	30" HDPE	35.1"	Hole 38	38"	41.151"	-2.55"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2

Degree: 180°

Horz: 94.248"

Hole: 38"

Up(): -2.55"

Step: 90°

Horz: 47.124"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 44"

Up(): -2.85"

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

2

1

360°

270°

180°

90°

0°

-2.55"

-2.85"

94.248"

0"

8"

67"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

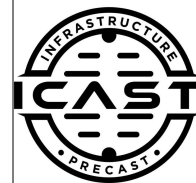
Floor Height: 8"

Height (Int): 67"

Height (Ext): 75"

Weight (Net): 8276 lb

Volume (Net): 2.11cu.yd



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

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

Plant: 100

6/3/2026 6:27:34 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: SCUM VAULT

P1 MH072BAEVF

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

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

0 lb
3320 lb
12452 lb
0 lb
0 lb
126 lb
0 lb
0 lb
0 lb
4 lb
6 lb
0 lb

Structure Total: 15909 lb

Structure Notes:

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

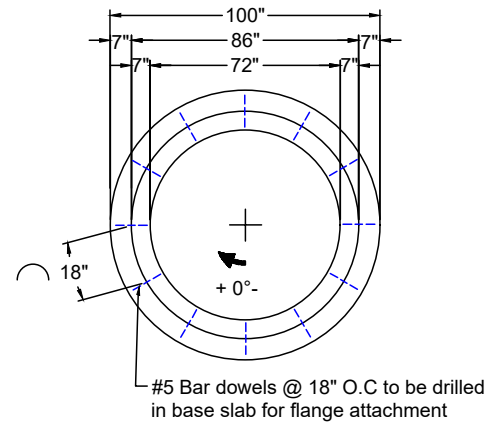
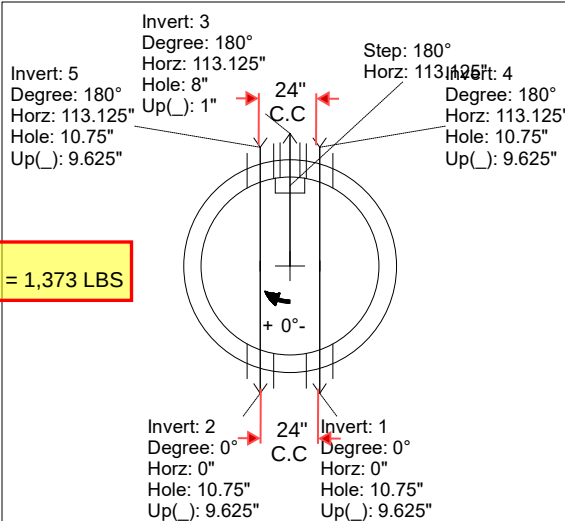
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .12)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

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

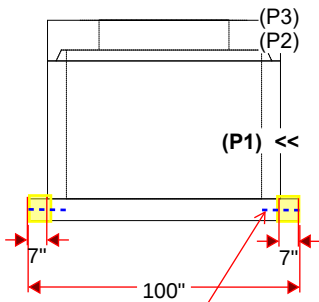
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	449.5'	0°	-12.125"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	-12"
Invert 2	449.5'	0°	12.125"	6" DI	6.875"	Z-Lok C107-6	10.75"	11.469"	9.625"	12"
Invert 3	448.75'	180°	135.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"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

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

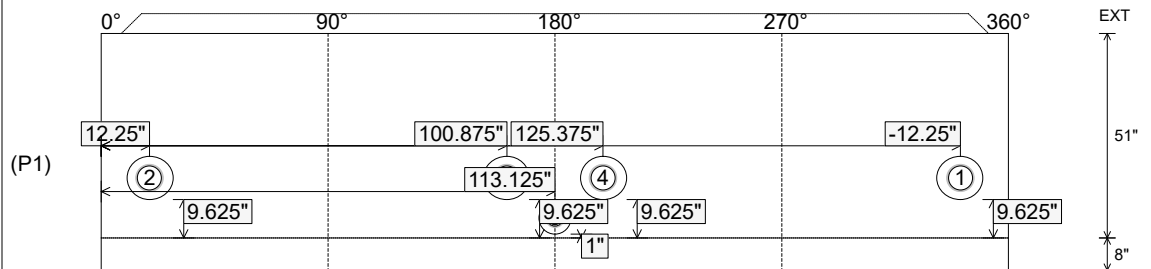


1ST POUR (BASE) = 11,079 LBS
2ND POUR (EXTENDED FLANGE) = 1,373 LBS



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

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 7"
Floor Height: 8"

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

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

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

Plant: 100
8/5/2026 9:32:21 AM

Tech: Jared - A
PC: Jay Ross Jarvis



Structure ID: MH-3-4 SS-MH

P3 MH084RS96X

MH RISER 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

- 0 lb
6992 lb
16298 lb
18626 lb
18626 lb
27004 lb
0 lb
0 lb
0 lb
0 lb
600 lb
0 lb
2 lb

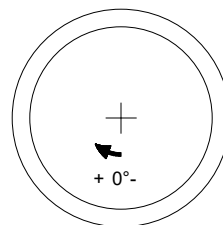
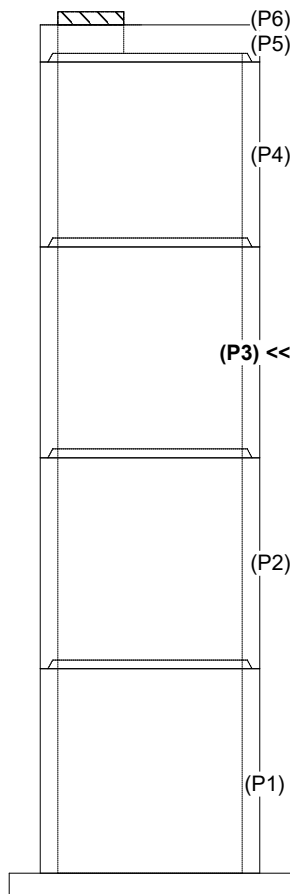
88148 lb
- Structure Notes: .
PLAN LABEL: MH-3
1. JBS 1312 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. ADMIXTURE = XYPEX C-1000 RED.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .24)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.
6. ANY REQUIRED INTERIOR COATINGS TO BE SUPPLIED & APPLIED BY OTHERS.
7. **NO STEPS**

Structure Total: 88148 lb

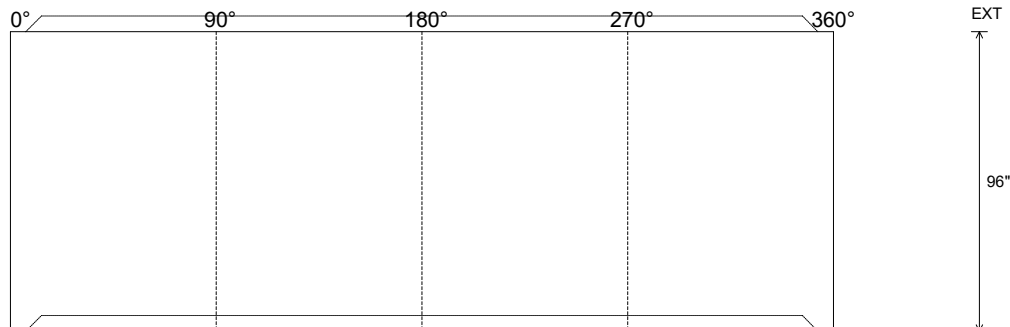
Rim: 415.85' Rim to Invert: 32.54' Slack: 0.98" Sump: 2.5" Step Position:

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

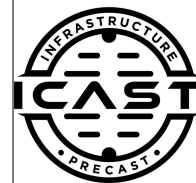


Coating (Int):	Seam Up: Tongue	Wall Thickness: 8"	Height (Int): 96"	Weight (Net): 18626 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 96"	Volume (Net): 4.76cu.yd

Plant: 100

8/4/2026 6:58:24 PM

Tech:	Jared - F
PC:	A. Chambers

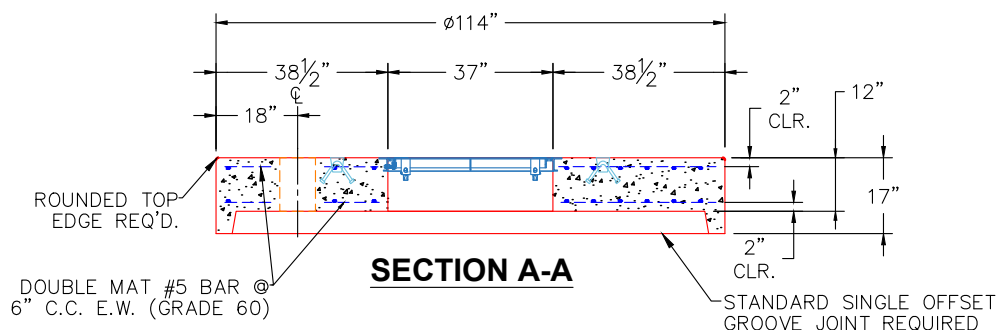
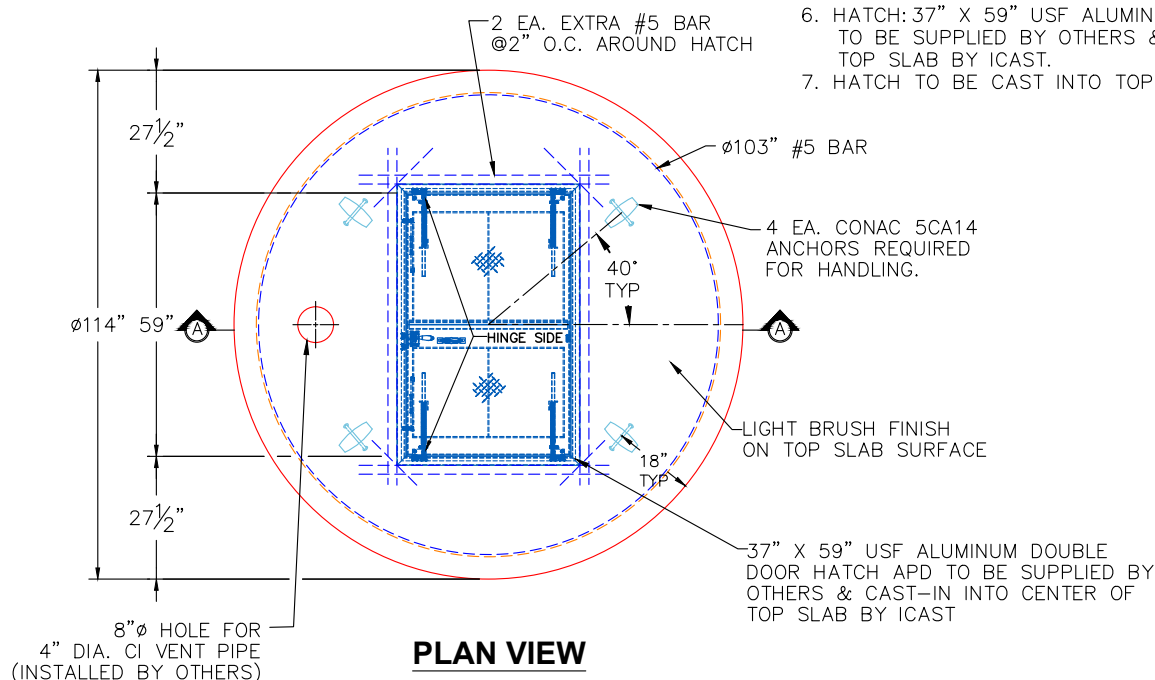


MH FLAT TOP w/37"x59" Hatch F/G

100 lb
8296 lb
6228 lb
20622 lb
40101 lb
0 lb
0 lb
16 lb
6 lb
8 lb

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.
4. 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.

1. PER ASTM C-478 LATEST REVISION
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):
TOP LAYER - #5 BAR @ 6" C.C.E.W.
BTM LAYER - #5 BAR @ 6" C.C.E.W.
PER ASTM A615 (GRADE 60).
4. JOINT SEALANT - 1" CS-231-DOUBLE.
5. EXTERIOR WRAP - 12" MACWRAP. (SUPPLIED BY ICAST).
6. HATCH: 37" X 59" USF ALUMINUM DOUBLE DOOR HATCH APD
TO BE SUPPLIED BY OTHERS & CAST-IN INTO CENTER OF
TOP SLAB BY ICAST.
7. HATCH TO BE CAST INTO TOP SLAB.



Weight (Net): 8296 lb
Volume (Net): 2.12cu.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



Structure ID: QL6

P3MH096RSVF

MH RISER Custom Ht 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. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING – INSTALLED AT 0, 90, 180, & 270, 12" 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										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P5)

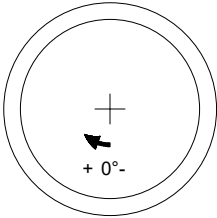
(P4)

(P3) <<

(P2)

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P3)

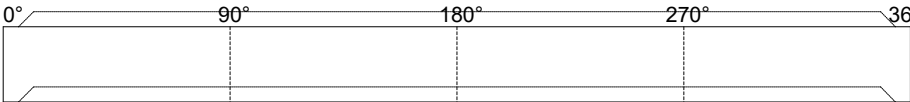
0°

90°

180°

270°

360°



EXT
25"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 9"

Floor Height: 0"

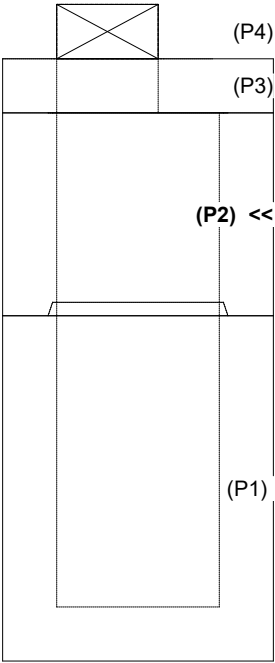
Height (Int): 25"

Height (Ext): 25"

Weight (Net): 6228 lb

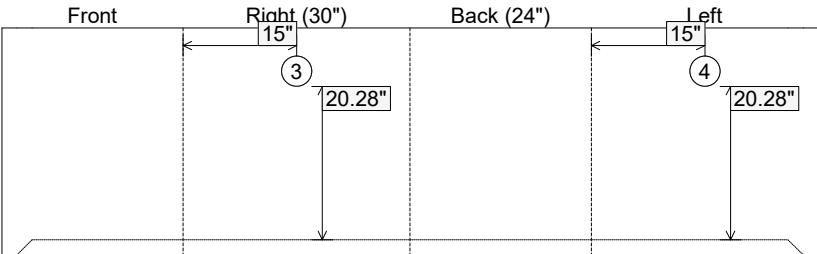
Volume (Net): 1.59cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 7/1/2026 12:36:37 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 476											
P2 BX2430-08R30 BOX RISER 8inW											
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											
Invert 2											
Invert 3	891'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	20.28"	0"	
Invert 4	891'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	20.28"	0"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)



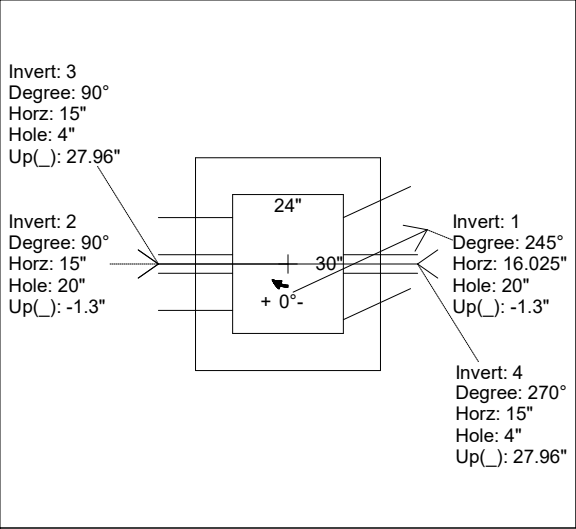
INSIDE WALL DIMENSIONS

Front Right (30") 15" 20.28" 3
Back (24") Left 15" 20.28" 4
EXT 30"

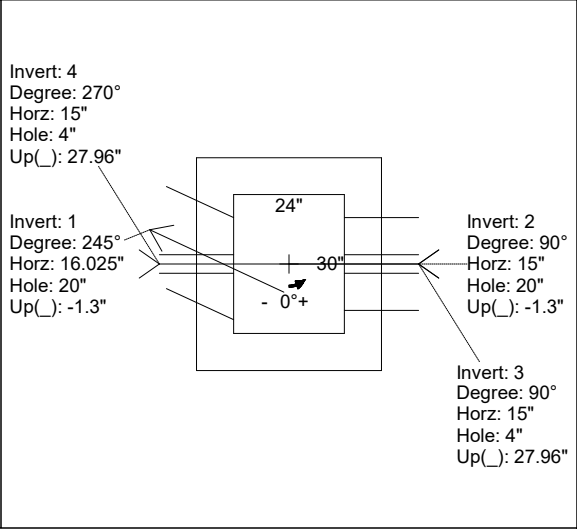
(P2)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 30" Height (Ext): 30"	Weight (Net): 2803 lb Volume (Net): 0.72cu.yd
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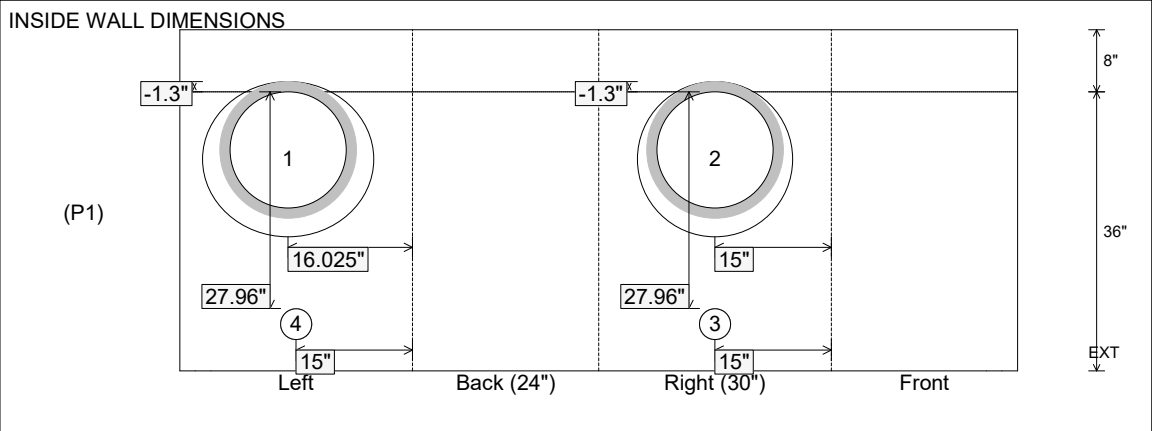
Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 7/30/2026 8:55:16 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 235 (425+04 RT)											
P1		BX24300808VF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P3) 15" x 27" - P.I.P. - BY OTHERS - 8" P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8" P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht F/n - 36" 1) CASTING - HOE KY-230-G F/G (GRADE) 1) 24" x 30" - Conseal CS-102 1.00" 2) Hole - 20 2) Hole - 4					0 lb 963 lb 4158 lb 237 lb 0 lb 0 lb 0 lb ----- Structure Total: 5358 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: 547.03'		Rim to Invert: 4.61'		Slack: 3.32"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	542.42'	245°	20.294"	15" HDPE	17.6"	Hole 20	20"	22.068"	-1.3"	6"	
Invert 2	542.42'	90°	23"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 3	544.75'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	27.96"	0"	
Invert 4	544.75'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	27.96"	0"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											



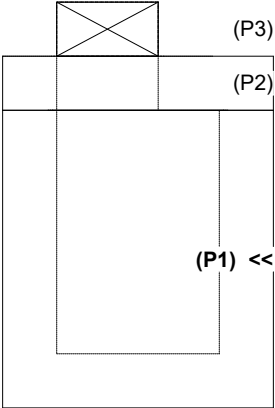
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



(P3)

(P2)

(P1) <<

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 36" Height (Ext): 44"	Weight (Net): 4158 lb Volume (Net): 1.06cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:29:48 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 458

P1 BX24300808VF

BOX BASE 8inW, 8inF, Variable Ht

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 - 40"

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"

1) Hole - 20

2) Hole - 4

0 lb

963 lb

4767 lb

237 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 5967 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: 891.63'

Rim to Invert: 4.67'

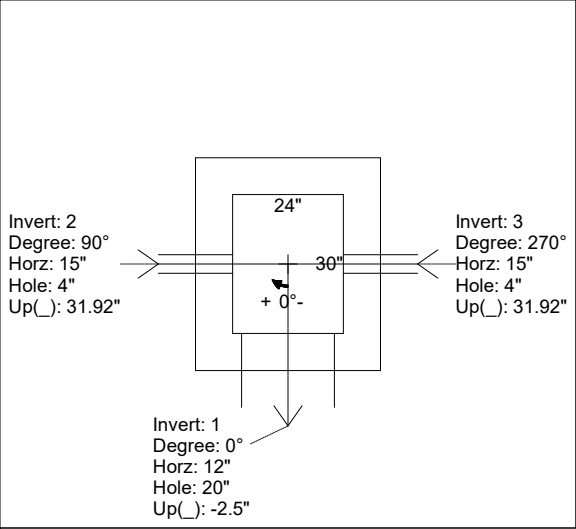
Slack: 0.04"

Sump: 0"

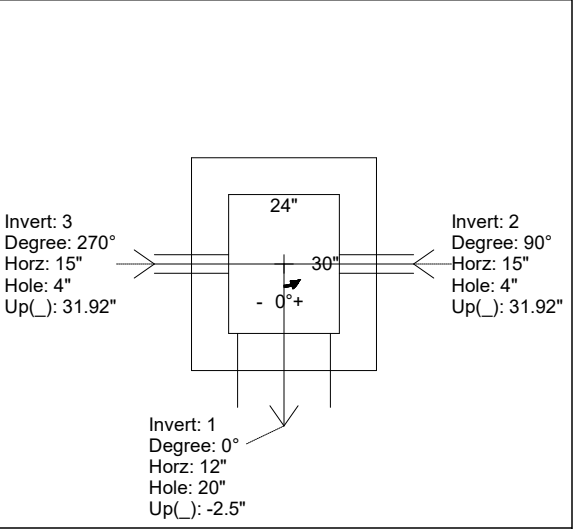
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	886.96'	0°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	889.62'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	31.92"	0"
Invert 3	889.62'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	31.92"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

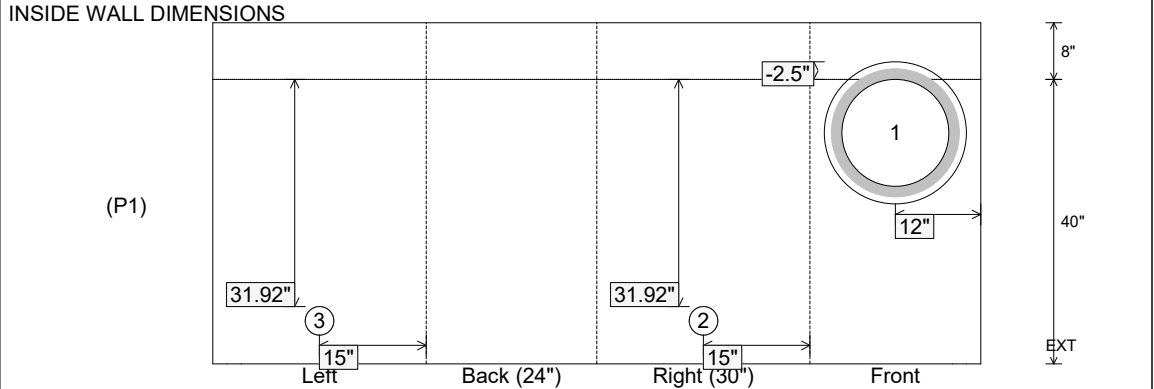
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

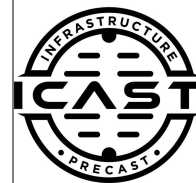
Floor Height: 8"

Height (Int): 40"

Height (Ext): 48"

Weight (Net): 4767 lb

Volume (Net): 1.22cu.yd



Weight (Net): 4767 lb
Volume (Net): 1.22cu.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 11:26:20 AM

Tech: J. Coppage

PC: T. Ryan



Structure ID: 15+26 CBBI-MOD B1

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

P4) 24" x 120" - CASTING (cast in) - 3"

P3) 24" x 120" - CB MED BAR BOX INLET 9B1 LH - 17"

P2) 24" x 36" - BOX RISER 8inW, Variable Ht - 54"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 60"

2) 24" x 36" - Conseal CS-102 1.00"

1) Hole - 22

0 lb

4000 lb

5510 lb

7263 lb

0 lb

0 lb

Structure Total: 16773 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: 565.09'

Rim to Invert: 11.25'

Slack: 4"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	553.84'	0°	20"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

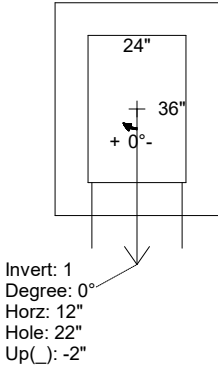
(P4)

(P3)

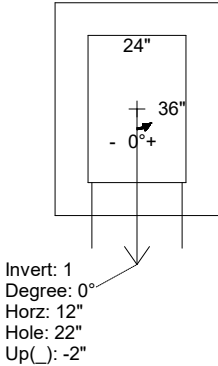
(P2)

(P1) <<

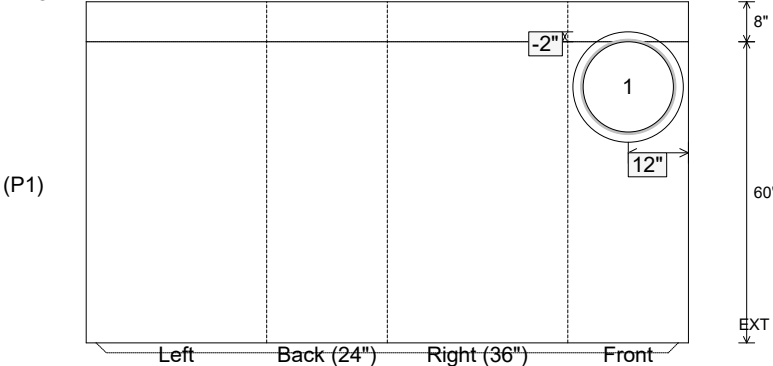
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

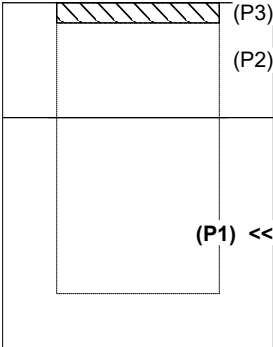
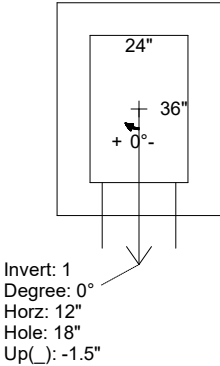
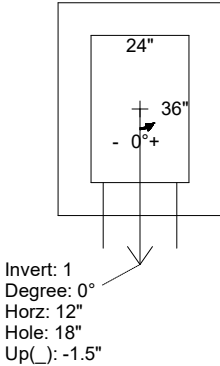
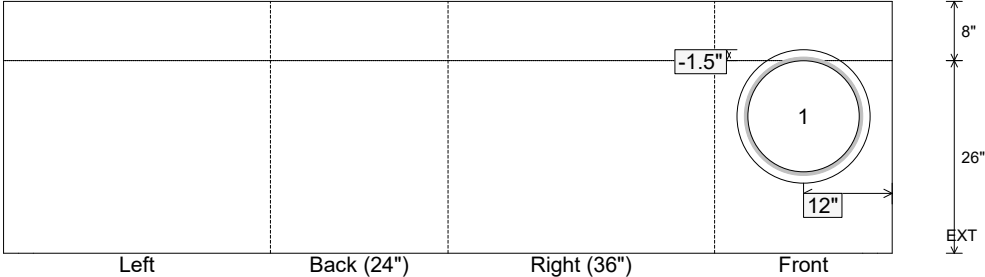
Floor Height: 8"

Height (Int): 60"

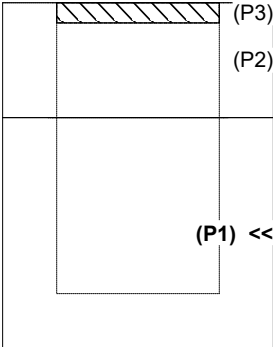
Height (Ext): 68"

Weight (Net): 7263 lb

Volume (Net): 1.86cu.yd

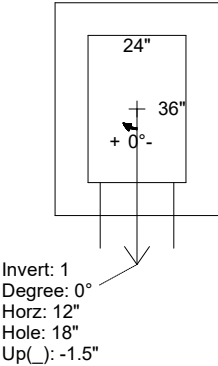
Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:39 AM		Tech: J. Coppage PC: T. Ryan					
Structure ID: 5094+97 RT CBBI-MOD B1												
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, 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: 586.01'					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	582.11'	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			

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 11:26:38 AM		Tech: J. Coppage PC: T. Ryan				
Structure ID: 5092+97 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: 585.22'		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	581.32'	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											

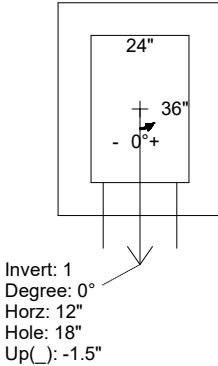


(P1) <<

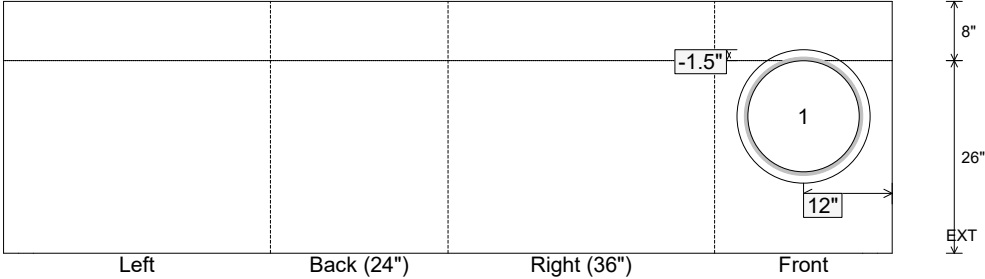
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)

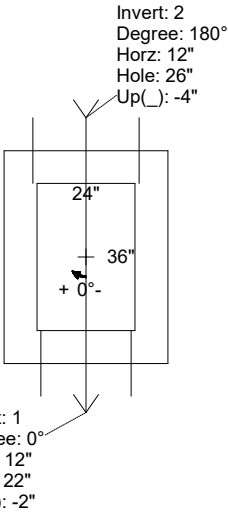


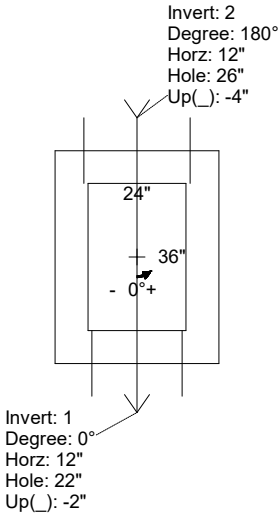
INSIDE WALL DIMENSIONS

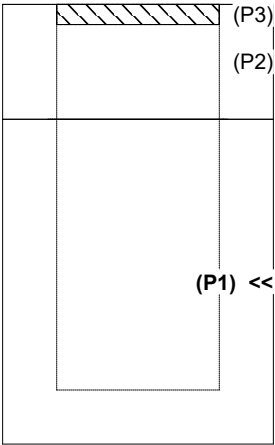


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 26" Height (Ext): 34"	Weight (Net): 3878 lb Volume (Net): 0.99cu.yd
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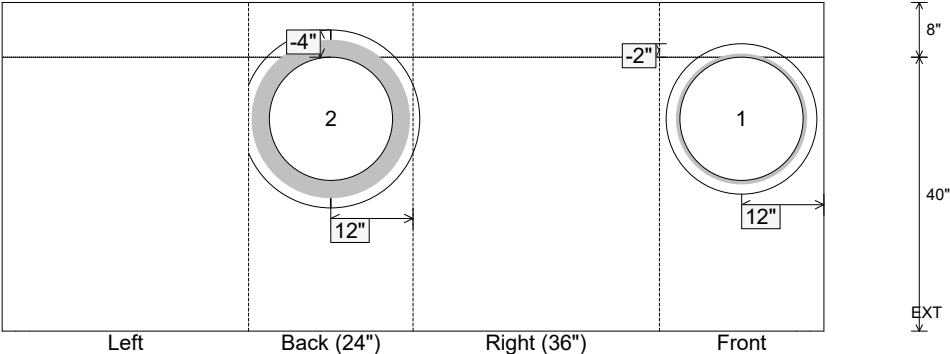
Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:21 AM		Tech: J. Coppage PC: T. Ryan				
Structure ID: 11+79 CBBI-MOD B1											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht							
P3) 24" x 120" - CASTING (cast in) - 3" P2) 24" x 120" - CB MED BAR BOX INLET 9B1 LH - 17" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 40" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22 1) Hole - 26					0 lb 4000 lb 4955 lb 0 lb 0 lb 0 lb ----- Structure Total: 8955 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: 570.17' Rim to Invert: 5.1' Slack: 4.2" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	565.07'	0°	20"	18" CMP	19"	Hole 22	22"	22"	-2"	0"	
Invert 2	565.07'	180°	20"	18" RCP B WALL	23"	Hole 26	26"	25"	-4"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											







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): 4955 lb Volume (Net): 1.27cu.yd
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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 11:30:12 AM		Tech: J. Coppage PC: T. Ryan														
Structure ID: 15+26 CBBI-MOD B1																					
P2		BX2436-08R-VH		BOX RISER 8inW, Variable Ht																	
P4) 24" x 120" - CASTING (cast in) - 3" P3) 24" x 120" - CB MED BAR BOX INLET 9B1 LH - 17" P2) 24" x 36" - BOX RISER 8inW, Variable Ht - 54" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 60" 2) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22					0 lb 4000 lb 5510 lb 7263 lb 0 lb 0 lb ----- Structure Total: 16773 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: 565.09'					Rim to Invert: 11.25'		Slack: 4"		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																					
(P4) (P3) (P2) << (P1) RIGHT-SIDE UP VIEW (int. dimensions) 24" + 36" + 0° INSIDE WALL DIMENSIONS <table><tr><td>Front</td><td>Right (36")</td><td>Back (24")</td><td>Left</td><td>EXT</td></tr><tr><td colspan="4"> (P2) </td><td>54"</td></tr></table>												Front	Right (36")	Back (24")	Left	EXT	(P2)				54"
Front	Right (36")	Back (24")	Left	EXT																	
(P2)				54"																	
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Groove		Wall Thickness: 8" Floor Height: 0"		Height (Int): 54" Height (Ext): 54"		Weight (Net): 5510 lb Volume (Net): 1.41cu.yd											

Job Name: 26-3286 Libbert Lakes Lot 10, 11, & 12
Job Location: Newburgh, IN
Contractor: CAC Custom Homes

Plant: Beaver Dam
8/17/2026 2:33:27 PM

Tech: J. Ross
PC: T. Lewis



Structure ID: AD 712 ST-AD

P1 BX3030-06VH

BOX BASE 6inW, 6inF, Variable Ht

P2) 30" x 30" - CASTING HEIGHT - 0"
P1) 30" x 30" - BOX BASE 6inW, 6inF, Variable Ht - 29"
1) HOE R-4215-C INDOT Type 7 Convex Grate
1) 30" x 30" - Conseal CS-102 1.00"
1) Hole - 26
1) Hole - 22

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. 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.
5. PRODUCTION TO PLACE A 1" DEEP X 2.5" WIDE RECESS IN THE TOP OF THE WALLS FOR THE GRATING TO RECESS INTO.
6. CASTING PROVIDED BY ICAST (INDOT TYPE 7 BH GRATE)

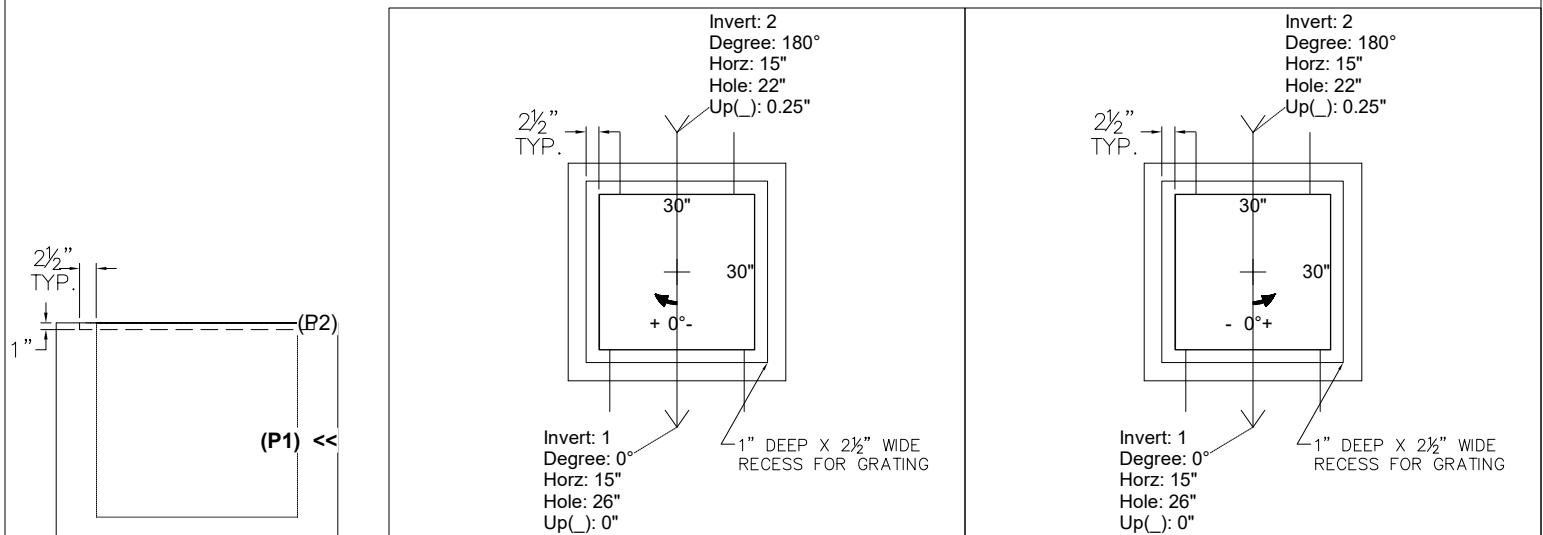
Structure Total: 2782 lb

Rim: 390.8' Rim to Invert: 2.25' Slack: 0.5" Sump: 2.5" Step Position:

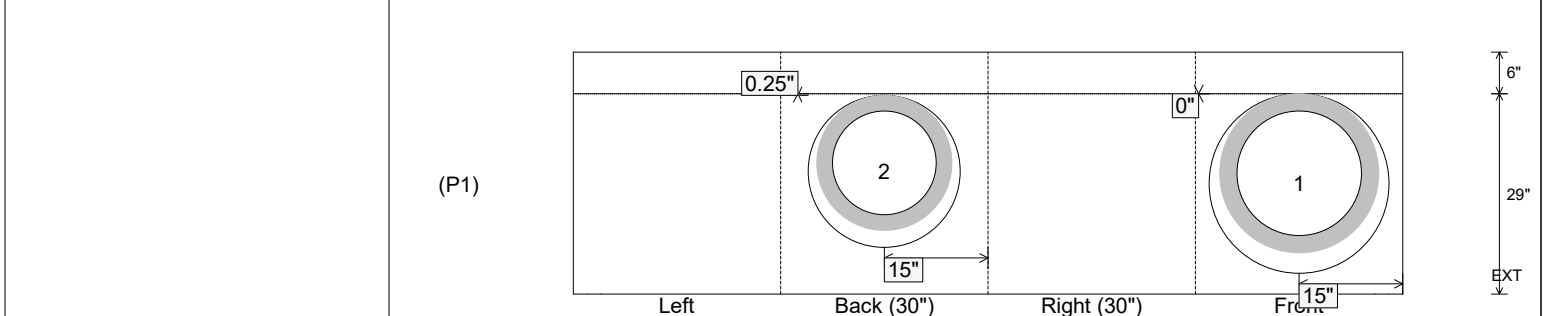
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	388.55'	0°	21"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2	388.55'	180°	21"	15" RCP B WALL	19.5"	Hole 22	22"	22"	0.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 29"
Height (Ext): 35"

Weight (Net): 2532 lb
Volume (Net): 0.65cu.yd

Job Name: 26-2648 Midtown Commons Apartments
Job Location: Madisonville, KY
Contractor: Steve Pleasant Excavating

Plant: Beaver Dam

Tech: S. Felletter

7/20/2026 10:45:08 AM

PC:



Structure ID: 3.1 DBI3

P1 BX3636-08BAVF

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

P2) 36" x 36" - P.I.P. - BY OTHERS - 8"

P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 34"

1) CASTING - HOE KY-328 SET (DBI 3)

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

1) Hole - 32

0 lb Structure Notes:

5292 lb

328 lb

0 lb

0 lb

Structure Total: 5620 lb

1. KYTC DBI TYPE 3 / ASTM C913 SPECIFICATIONS.

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

3. NO STEPS & NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE KY-328 SET).

5. STUB #5 BARS 20" OUT TOP OF WALLS (SPA@12"C/C)

REINFORCING PER ASTM A615 (GRADE 60).

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

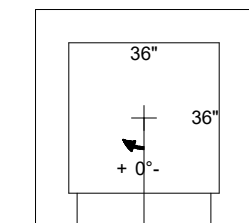
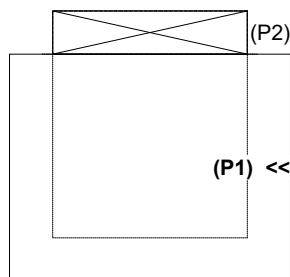
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 431.48' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

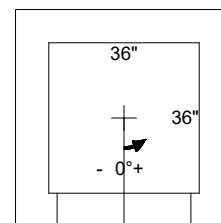
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	427.98'	0°	26"	24" ADS N-12	28"	Hole 32	32"	32"	-4"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



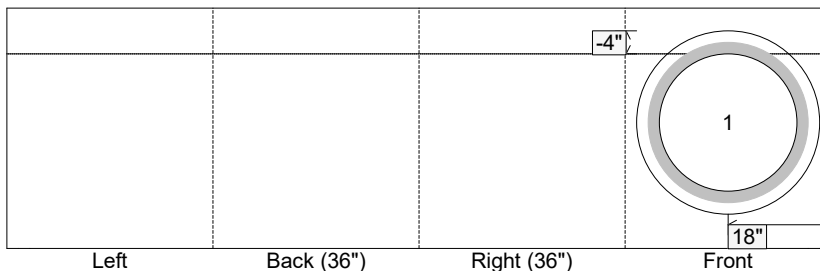
Invert: 1
Degree: 0°
Horz: 18"
Hole: 32"
Up(): -4"



Invert: 1
Degree: 0°
Horz: 18"
Hole: 32"
Up(): -4"

INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

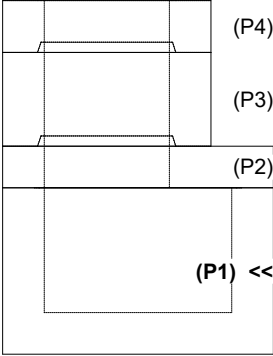
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

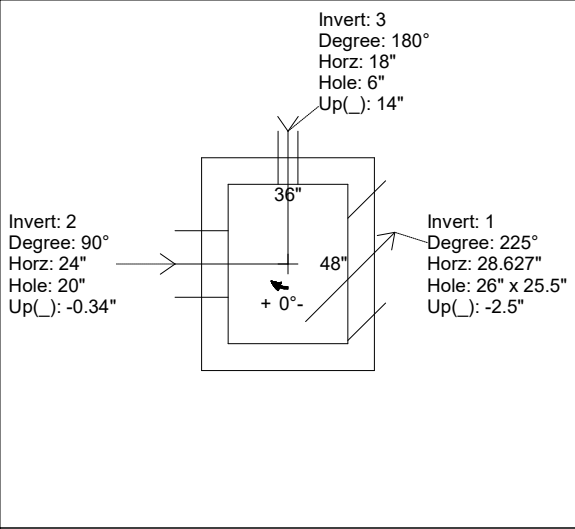
Weight (Net): 5292 lb
Volume (Net): 1.35cu.yd

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 8:55:39 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 257 (431+95 LT)										
P1		BX3648-08BA24		BOX BASE 8inW, 8inF F/n						
P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P2) 36" x 48" - CB FT REDUCER 24"x36" HOLE T/F - 8" P1) 36" x 48" - BOX BASE 8inW, 8inF F/n - 24" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 36" x 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 26"x25.50" 1) Hole - 20 1) Hole - 6				3400 lb 5270 lb 1654 lb 4640 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 15170 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 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 542.7'		Rim to Invert: 5.08'		Slack: 0.96"		Sump: 0"		Step Position:		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	537.62'	225°	28.627"	18" RCP B WALL	23"	DOGHOUSE INVRTD 26"x25.50"	26" x 25.5"	36.77"	-2.5"	16"
Invert 2	537.7'	90°	32"	15" HDPE	17.6"	Hole 20	20"	20"	-0.34"	0"
Invert 3	538.82'	180°	26"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	14"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



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

RIGHT-SIDE UP VIEW (int. dimensions)

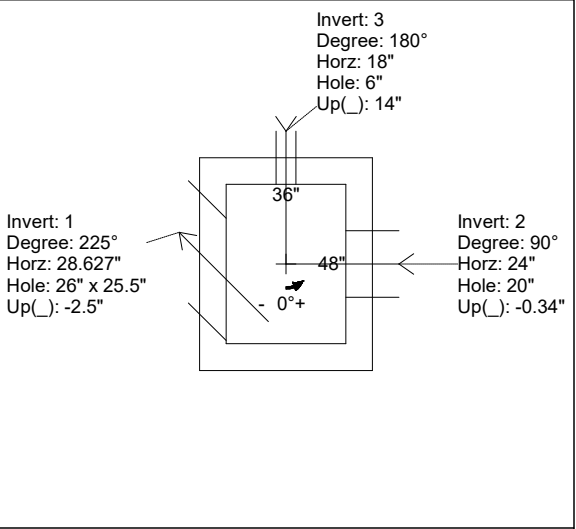


Invert: 3
Degree: 180°
Horz: 18"
Hole: 6"
Up(): 14"

Invert: 2
Degree: 90°
Horz: 24"
Hole: 20"
Up(): -0.34"

Invert: 1
Degree: 225°
Horz: 28.627"
Hole: 26" x 25.5"
Up(): -2.5"

UPSIDE-DOWN VIEW (int. dimensions)

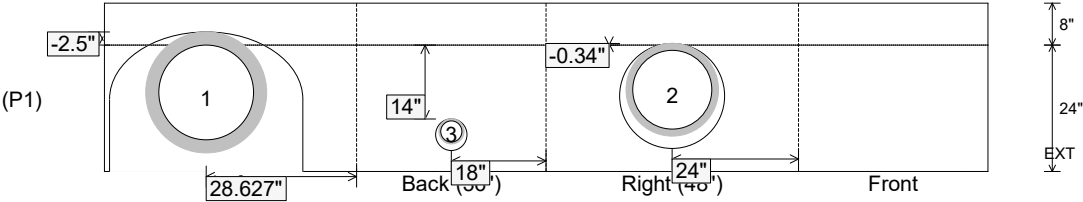


Invert: 3
Degree: 180°
Horz: 18"
Hole: 6"
Up(): 14"

Invert: 1
Degree: 225°
Horz: 28.627"
Hole: 26" x 25.5"
Up(): -2.5"

Invert: 2
Degree: 90°
Horz: 24"
Hole: 20"
Up(): -0.34"

INSIDE WALL DIMENSIONS



(P1)

1

2

3

28.627"

14"

18"

24"

Back

Right

Front

8"

24"

EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 24" Height (Ext): 32"	Weight (Net): 4640 lb Volume (Net): 1.18cu.yd
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Job Name: 26-3166 Rolling Hills PRETX
Job Location: Franklin, TN
Contractor: Convergent Water Technologies

Plant: Beaver Dam

Tech: J. Coppage

8/7/2026 8:45:13 AM

PC: C. Goff



Structure ID: FB1 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
1829 lb
7680 lb
125 lb
387 lb
0 lb
0 lb
0 lb
10020 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: 713.77' Rim to Invert: 2.15' Slack: 0.28" Sump: 18.48" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	711.62'	270°	32"	48" x 19.75" SQ. Hole	48" x 19.75"	SQ. Hole 48"x19.75"	48" x 19.75"	48"	18.48"	0"
Invert 2	711.62'	90°	32"	15" RCP B WALL	19.5"	DOGHOUSE INVRTD 22"x23.25"	22" x 23.25"	22"	14.355"	0"

UPSIDE DOWN VIEW

FIRST POUR DRAWING

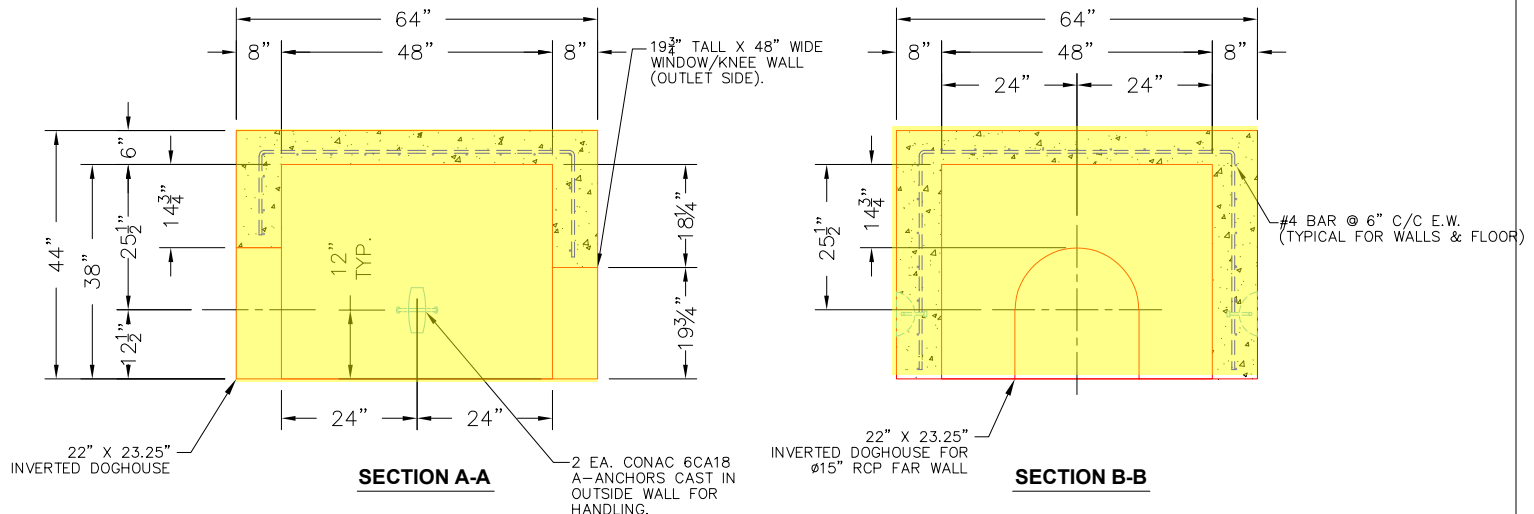
WEIGHTS

FIRST POUR - 7,670 LBS

SECOND POUR - 387 LBS

TOTAL - 8,057 LBS

PLAN VIEW



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): 7680 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 8:45:13 AM

Tech: J. Coppage

PC: C. Goff



Structure ID: FB1 ST-DBI

P1 BX4848-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

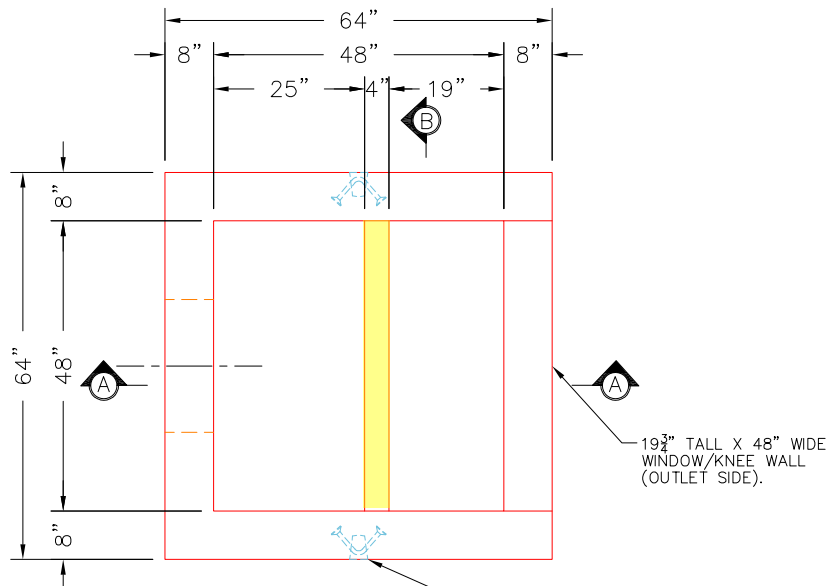
- P3) 24" - CASTING HEIGHT - 0"
P2) 48" x 48" - BX FLAT LID 8inW SPEC. W/ MCS-288 - 6"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 38"
1) CASTING - HOE MCS-288 F/C Cast-IN
1) SECONDARY POUR - WEIR WALL - *
1) 48" x 48" - Conseal CS-102 1.00"
1) SQ. Hole - 48"x19.75"
1) DOGHOUSE INVRTD - 22"x23.25"

Structure Total:

- 0 lb
1829 lb
7680 lb
125 lb
387 lb
0 lb
0 lb
0 lb
10020 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)

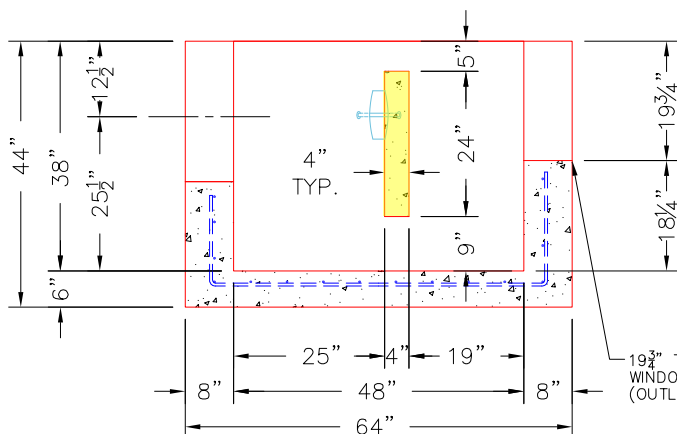
Rim: 713.77' Rim to Invert: 2.15' Slack: 0.28" Sump: 18.48" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	711.62'	270°	32"	48" x 19.75" SQ. Hole	48" x 19.75"	SQ. Hole 48"x19.75"	48" x 19.75"	48"	18.48"	0"
Invert 2	711.62'	90°	32"	15" RCP B WALL	19.5"	DOGHOUSE INVRTD 22"x23.25"	22" x 23.25"	22"	14.355"	0"

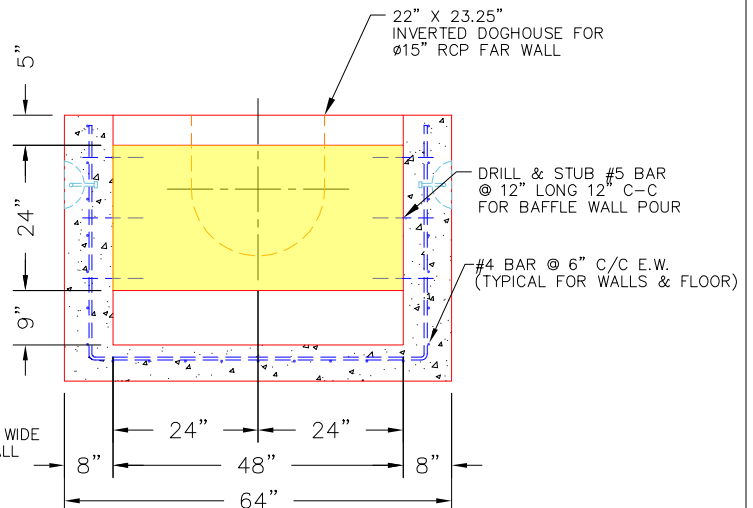


WEIGHTS
FIRST POUR - 7,670 LBS
SECOND POUR - 387 LBS
TOTAL - 8,057 LBS

PLAN VIEW



SECTION A-A

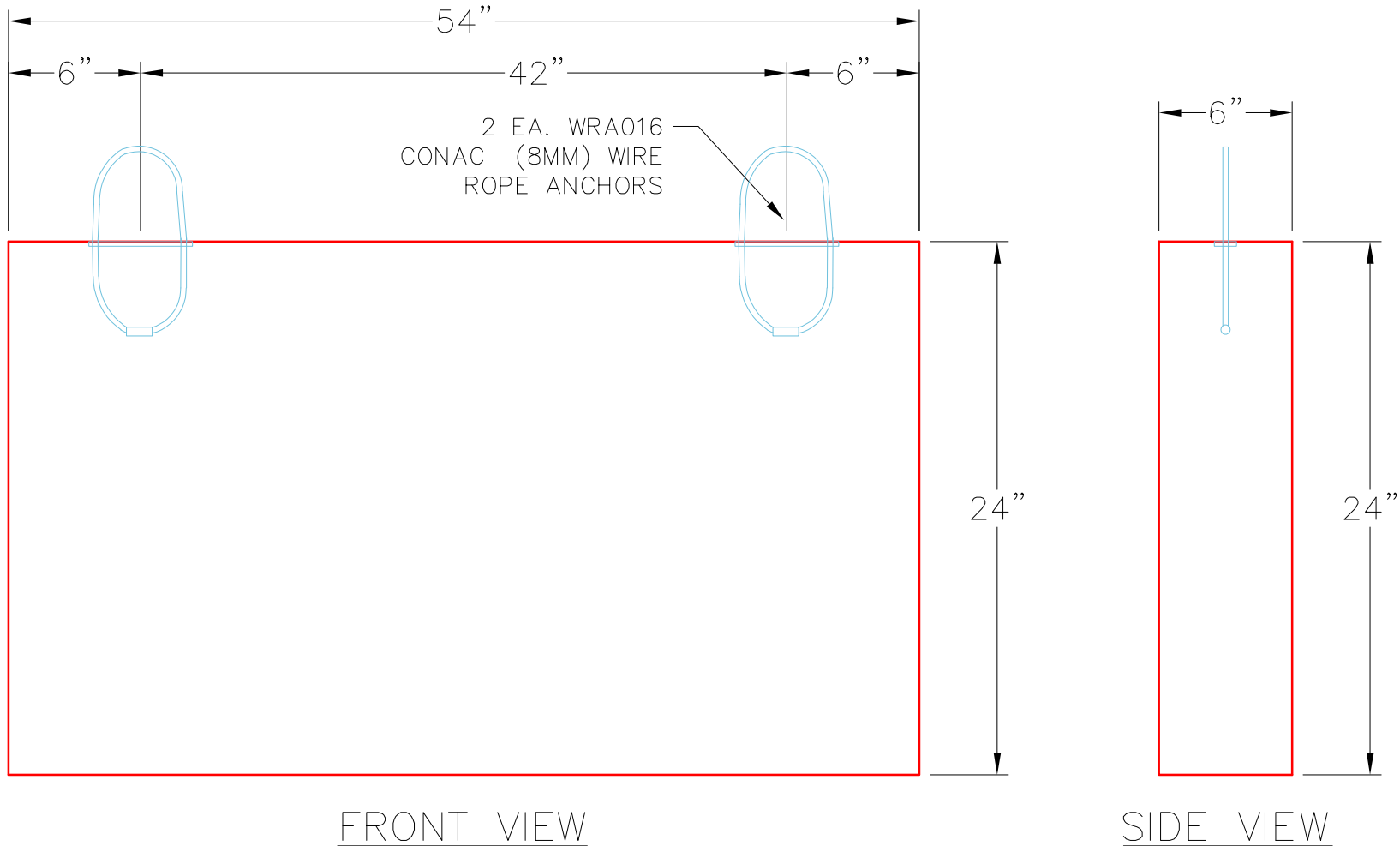


SECTION B-B

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): 7680 lb Volume (Net): 1.96cu.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
8/6/2026 1:42:51 PM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 5081+13 RT CBBI-MOD B1

P3 CMBBIT9-B1RH

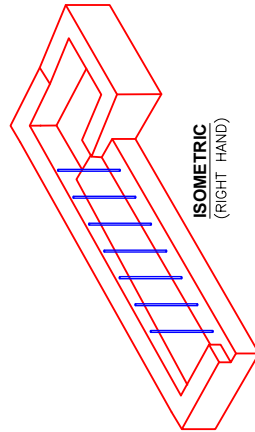
CB MED BAR BOX INLET 9B1 RH

- P4) 24" x 120" - CASTING (cast in) - 3"
P3) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17"
P2) 36" x 48" - CB FT REDUCER 24"X36" HOLE-FT - 8"
P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 38"
1) 36" x 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) DOGHOUSE INVRTD - 48"x44"
1) DOGHOUSE INVRTD - 40"x40"

- 0 lb
4000 lb
977 lb
5476 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 10454 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.

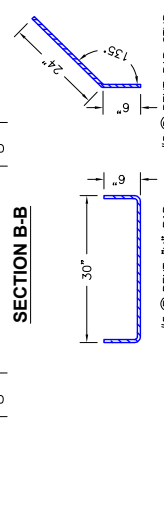
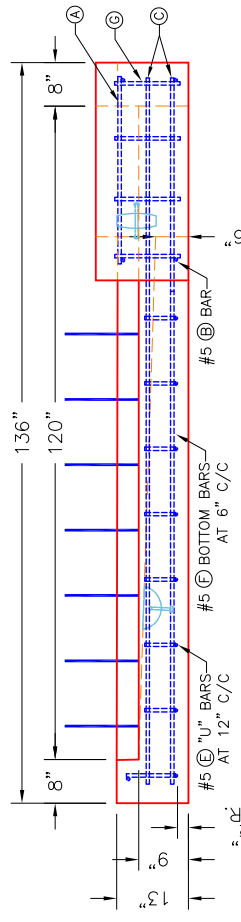
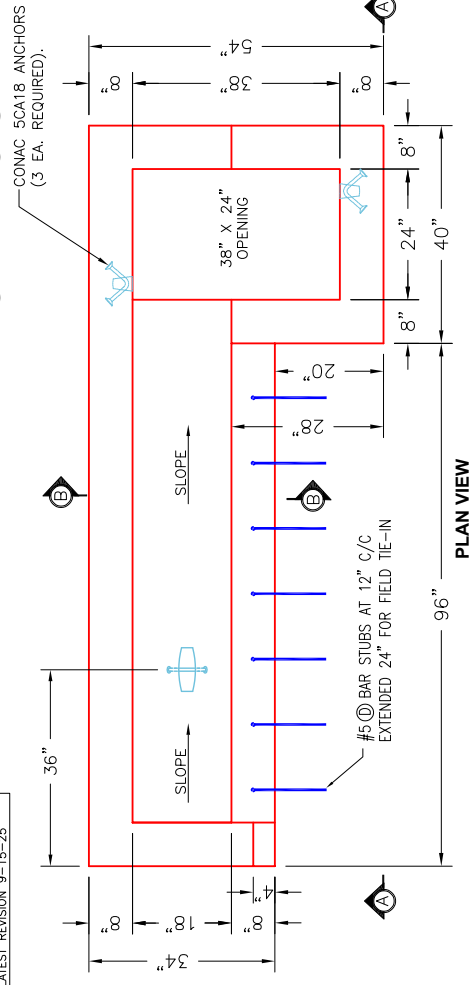
REINFORCING CUT LIST				
BAR	QTY.	MATERIAL	LENGTH	SHAPE
(A)	3	#5 BAR	34"	STR.
(B)	2	#5 BAR	48"	STR.
(C)	3	#5 BAR	132"	STR.
(D)	7	#5 1" BAR	30"	BENT
(E)	8	#5 1/2" BAR	42"	BENT
(F)	5	#5 BAR	100"	STR.
(G)	8	#5 BAR	12"	STR.
				TOTAL WEIGHT
				9 LBS.
				8 LBS.
				34 LBS.
				44 LBS.
				30 LBS.
				44 LBS.
				8 LBS.



Structure Total: 10454 lb

KYTC STATE PRODUCT

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR.
LATEST REVISION 9-15-25



ELEVATION VIEW A-A

- NOTES:
1. CONCRETE: 4,500 PSI KYTC APPROVED.
2. REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
3. LIFTING ANCHORS: 2\"/>

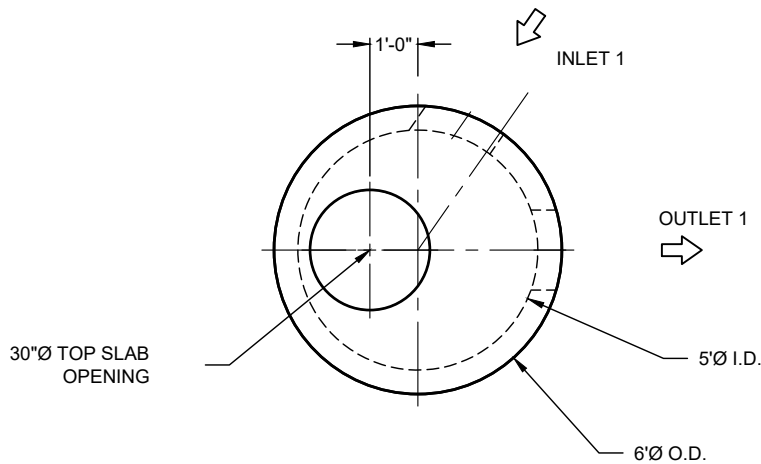
PRODUCTION WORK ORDER		DESCRIPTION: KYTC MBI B1 TYPE 9 10' TOP PHASE (RIGHT HAND)	
QUALITY CONTROL CHECKLIST		CUSTOMER: CLEARY CONSTRUCTION INC.	
☐ ALL DIMENSIONS CORRECT.		PROJECT: JEFFERSON CO. (251007)	
☐ LIFTERS INSTALLED.		STRUCTURE ID.: 5081+13 RT MBI B1 (SEC. P3)	
☐ CASTING AT CORRECT LOCATION.		SALES ORDER NO.: 25-1684	
☐ REINFORCING CORRECT.		DRAWING: N. RICHARDS	
☐ LIGHT BRUSH FINISH ACCEPTABLE.		DATE: 11/19/25	
☐ KYC STANDARD THROAT CORRECT.		SCALE: NTS	
☐ ALL PATCHWORK ACCEPTABLE.		PG. 1 of 1	



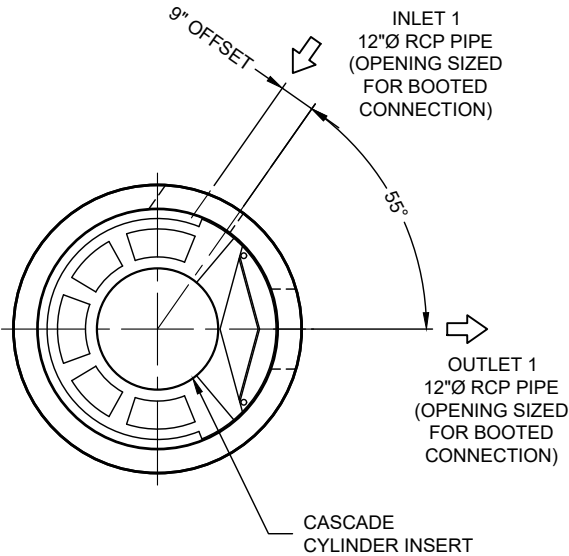
THIS DRAWING IS THE PROPERTY OF INFRASTRUCTURE PRECAST, INC. ANY USE OR DUPLICATION OF THIS DRAWING WITHOUT PRIOR AUTHORIZATION IS STRICTLY PROHIBITED.

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 17"	Weight (Net): 4000 lb Volume (Net): 0cu.yd
----------------------------------	--------------------------------	--------------------	-------------------	---

26-3266 903262 Enterprise Leasing Hazelwood

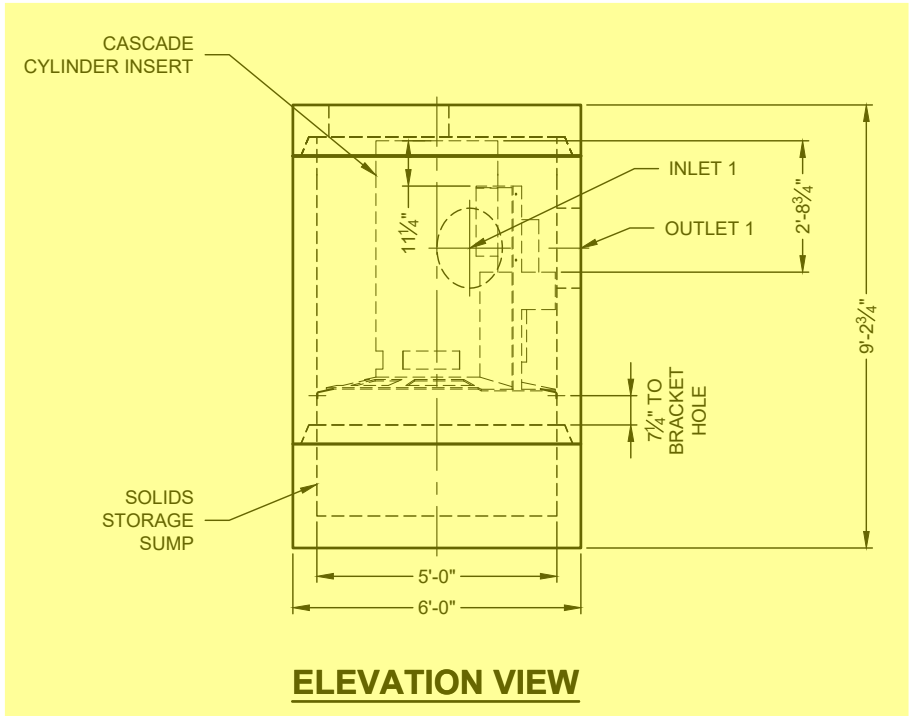


PLAN VIEW
INTERNALS NOT SHOWN

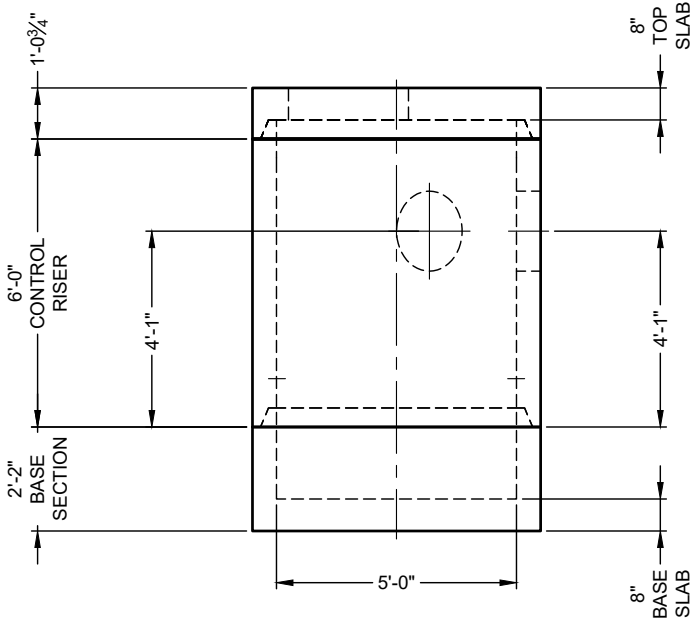


PLAN VIEW FOR PIPE ORIENTATION
TOP SLAB NOT SHOWN

SEE INSTALLATION NOTE A



ELEVATION VIEW



PRECAST COMPONENTS
INTERNALS NOT SHOWN

ICAST
5888 / 757440
LAYOUT 1A
7.53TS

CONTECH
FABRICATION
DRAWING

MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-5 CYLINDER INSERT, STD.	325-003950	CONTECH	PRECASTER
4	CS-5 ALUMINUM INSTALLATION BRACKETS	325-003956	CONTECH	PRECASTER
1	CS-5 HARDWARE KIT	325-003955	CONTECH	PRECASTER
2	BOOT FOR 12"Ø RCP PIPE		PRECASTER	PRECASTER
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
1	30"Ø X 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR

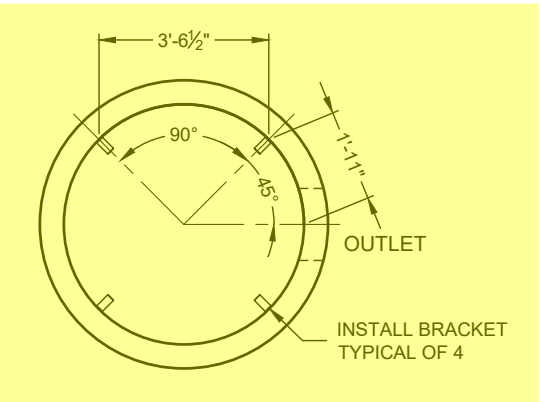
- GENERAL NOTES
- DESIGN LOADING - AASHTO HS-20
 - ALL PRECAST CONCRETE MANUFACTURED PARTS SHALL CONFORM TO ASTM C-478, WITH MINIMUM CONCRETE STRENGTH OF 4000 PSI AT 28 DAYS
 - JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
 - GROUND WATER ELEVATION ASSUMED AT OUTLET INVERT
 - MANUFACTURING TOLERANCE = +/- 1/2-INCH
 - SOME HIDDEN LINES MAY BE OMITTED FOR CLARITY

- INSTALLATION NOTES
- PRECASTER TO SHIP ACCESS CASTINGS WITH STRUCTURE
 - REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION.
 - PRECASTER TO INSTALL INTERNAL COMPONENTS PRIOR TO SHIPPING UNLESS INSTRUCTED OTHERWISE BY CONTECH
 - PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE
 - APPLYING ALIGNMENT MARKS ON ALL PIECES OF MULTIPLE PIECE ASSEMBLIES IS ENCOURAGED
 - IF STRUCTURE IS DELIVERED IN MULTIPLE SECTIONS, EACH PIECE SHALL BE LABELED WITH THE CONTECH PROJECT NUMBER, SEQUENCE NUMBER AND SITE DESIGNATION

SITE INFORMATION
RIM ELEV. = 529.28+/-
TOP OF STRUCTURE = 528.08
INLET PIPE 1 INVERT ELEV. = 524.60
INLET PIPE 1 DIAMETER AND MATERIAL = 12"Ø RCP
OUTLET PIPE INVERT ELEV. = 524.60
OUTLET PIPE DIAMETER AND MATERIAL = 12"Ø RCP
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 518.85

STRUCTURE WEIGHT
APPROXIMATE HEAVIEST PICK = 8000 LBS.
STRUCTURE IS DELIVERED IN 3 PIECES

TOP SLAB = 3000 LBS.
CONTROL RISER = 8000 LBS.
BASE SECTION = 5500 LBS.



SUPPORT BRACKET LAYOUT PLAN VIEW

CS-5 - 903262-010

ENTERPRISE LEASING HAZELWOOD

HAZELWOOD, MO

SITE DESIGNATION: HDS

CONTECH

ENGINEERED SOLUTIONS LLC

A CONTECH COMPANY

910 Centre Pointe Dr., Suite 400, West Chester, OH 45069

800-338-1122 513-445-7000 513-945-7893 FAX

CASCADE

separator

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

DATE: 06/19/26

DESIGNED: LJK DRAWN: CRW

CHECKED: MSB APPROVED: LJK

PROJECT No.: 903262 SEQUENCE No.: 010

SHEET: 1 OF 1

BY

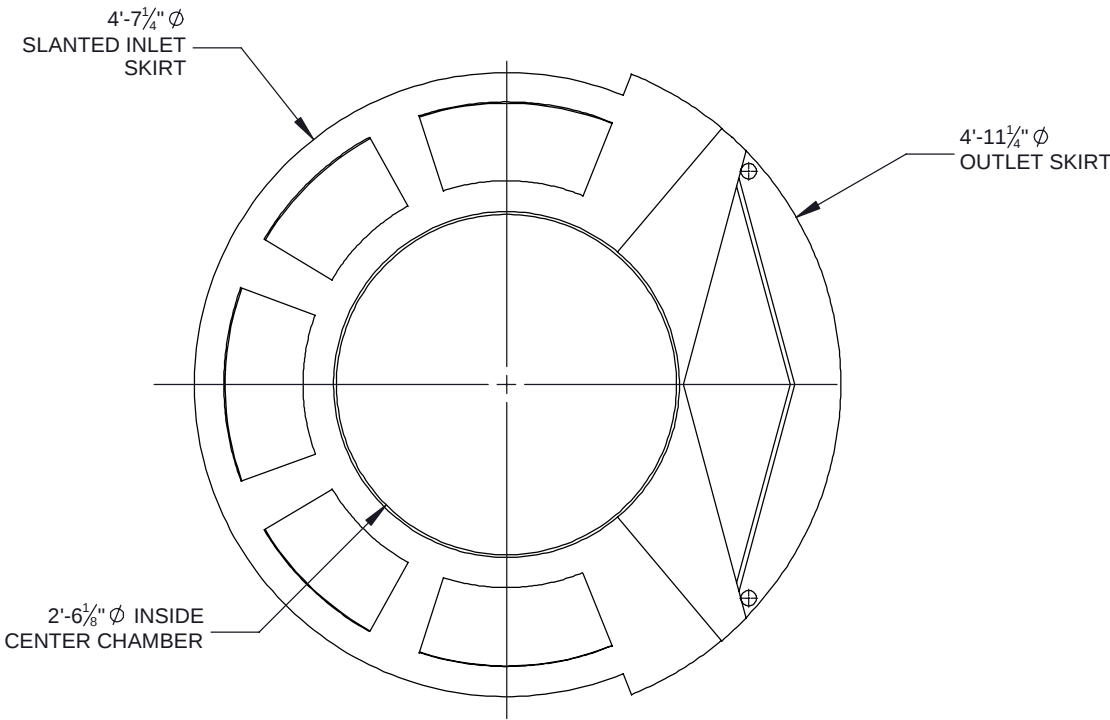
REVISION DESCRIPTION

DATE

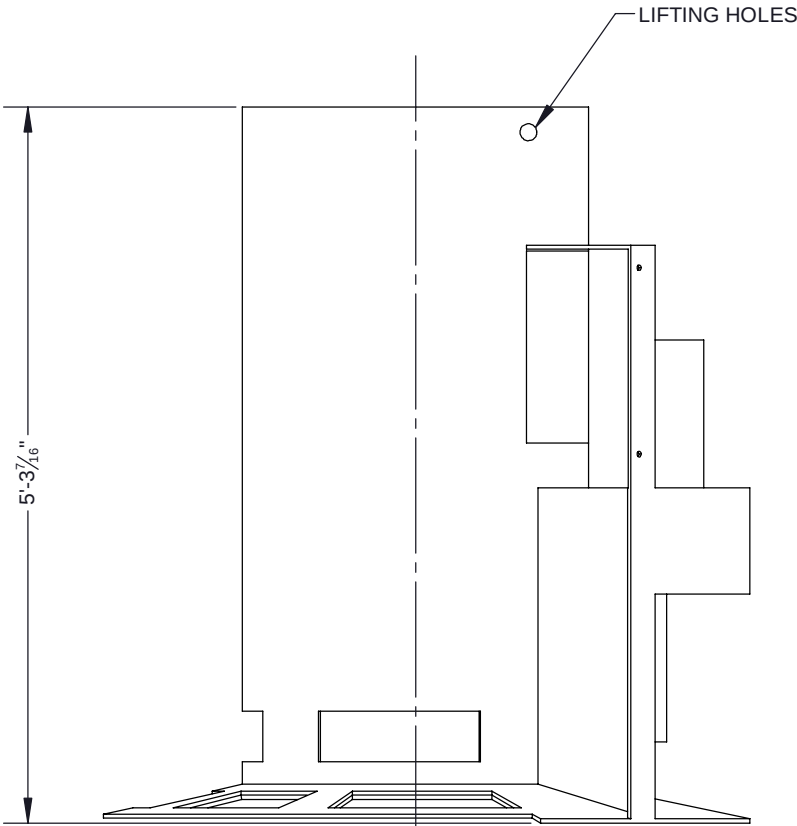
MARK

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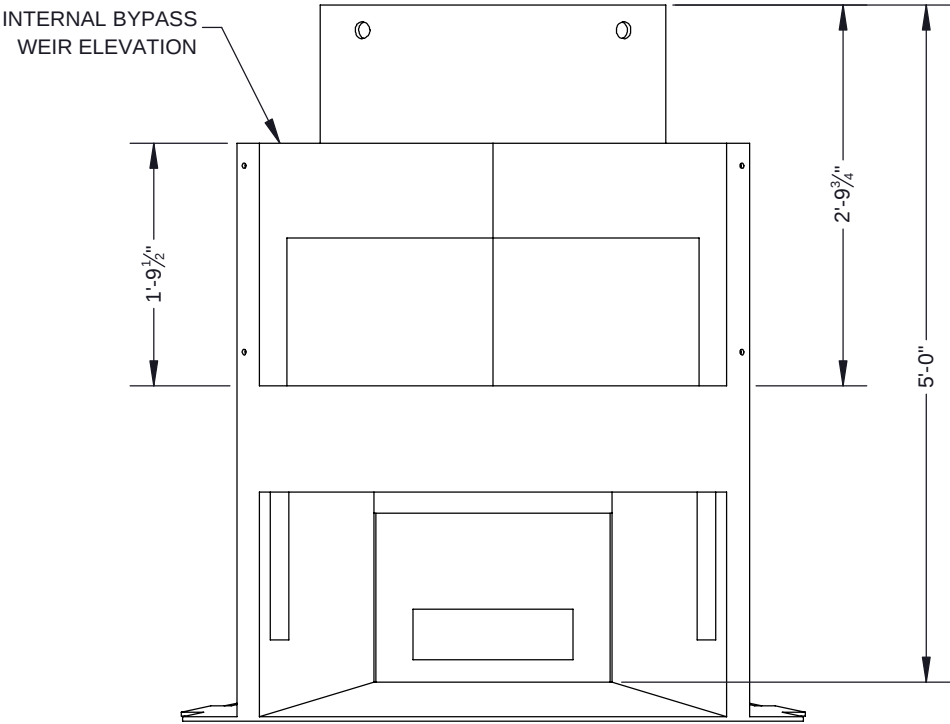
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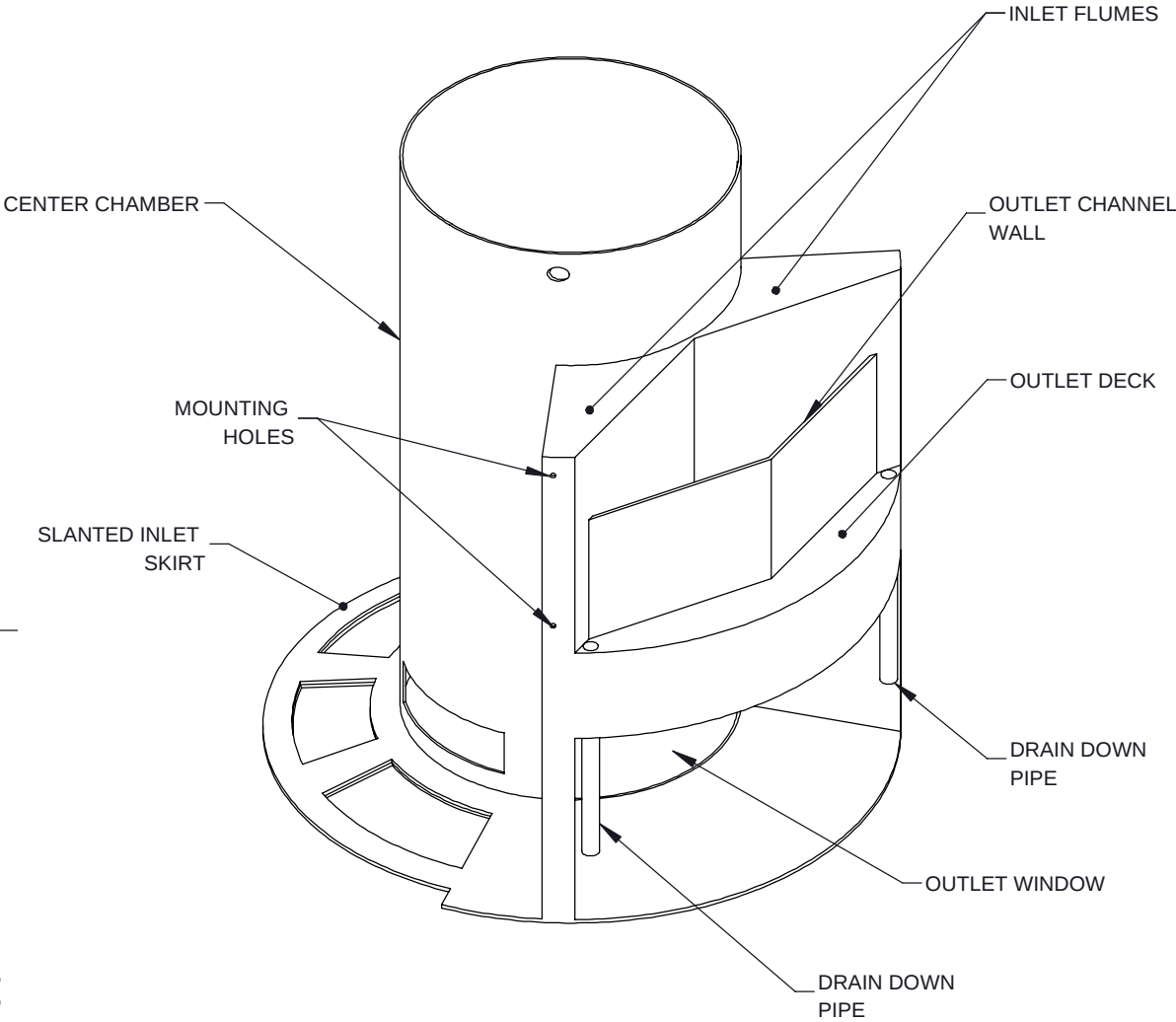
PLAN VIEW



ELEVATION VIEW



ELEVATION VIEW: OUTLET SIDE



ISOMETRIC VIEW

NOTES:
1. SEE CASCADE SEPARATOR INSTALLATION GUIDE FOR ADDITIONAL INFORMATION

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9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

REFERENCE DETAIL
INTERNALS CS-5
CASCADE SEPARATOR

THIRD ANGLE PROJECTION

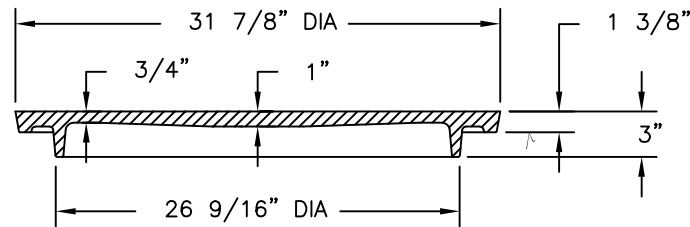
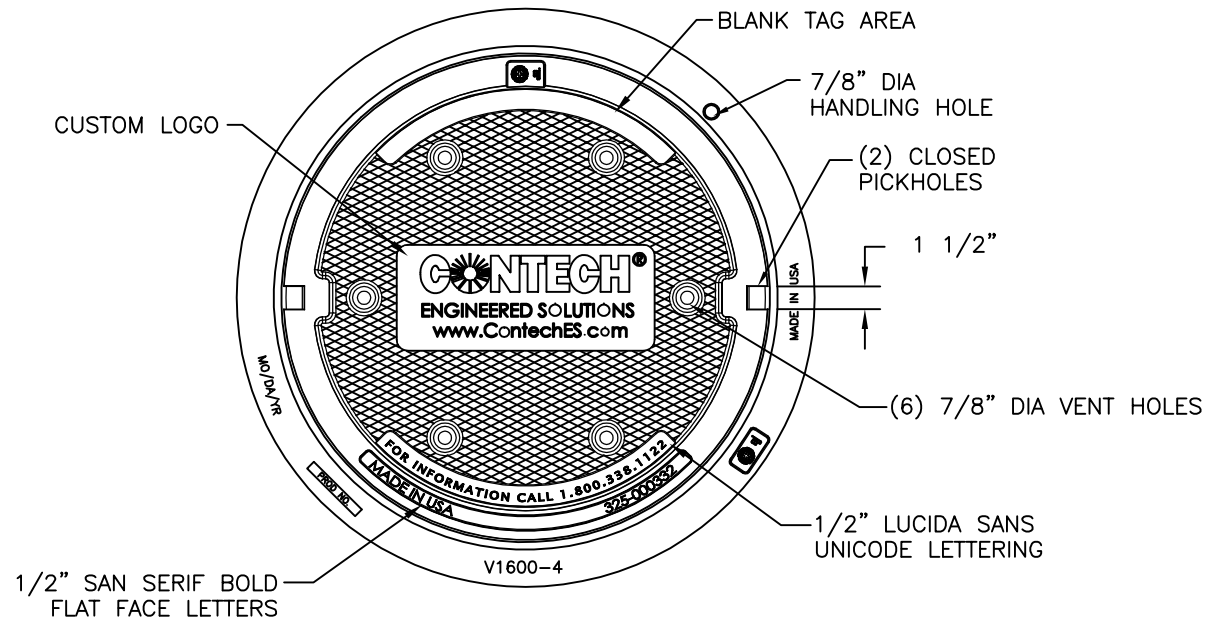
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES:
FRACTIONAL $\pm$ 1/16
ANGLES $\pm$ 1 DEGREE
TWO PLACE DECIMAL $\pm$ 0.06
THREE PLACE DECIMAL $\pm$ 0.030

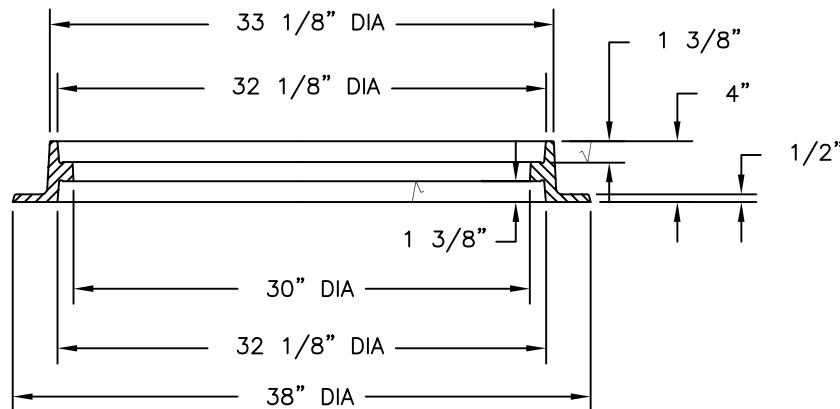
PART NUMBER: 325-003950		
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.15	REV: D
SCALE: N/A	SHEET 1 OF 1	

26-3266 903262 Enterprise Leasing Hazelwood

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.

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Contact

800 626 4653

ejco.com

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

Plant: 100

7/1/2026 12:33:22 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 463

P2 BX024060-08LD08-1559

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

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 - 42"
1) CASTING - HOE KY-230-S F/G (SAG)
1) 24" x 60" - Conseal CS-102 1.00"
1) Hole - 20
2) Hole - 4

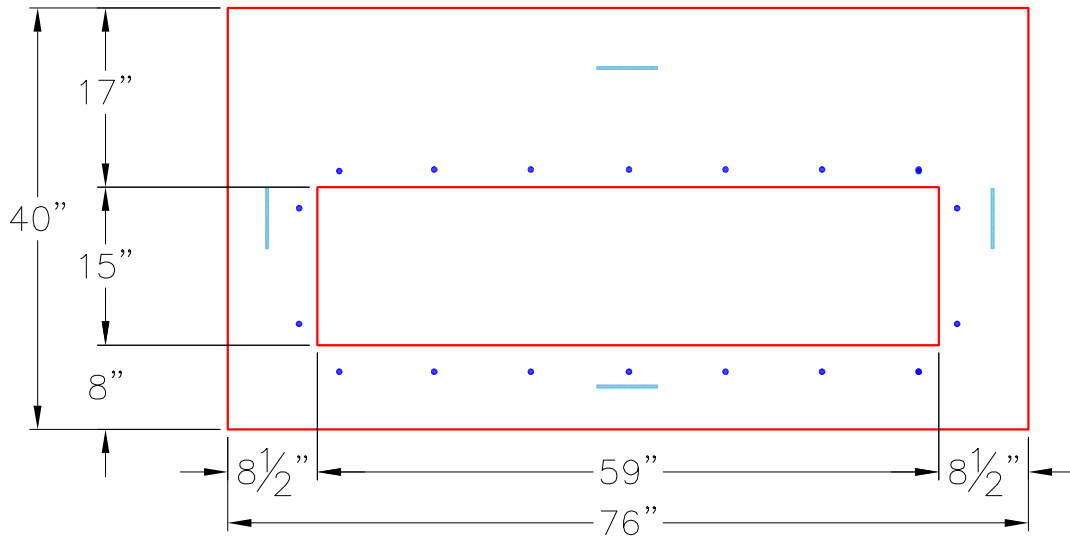
0 lb
1461 lb
7183 lb
474 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 9118 lb

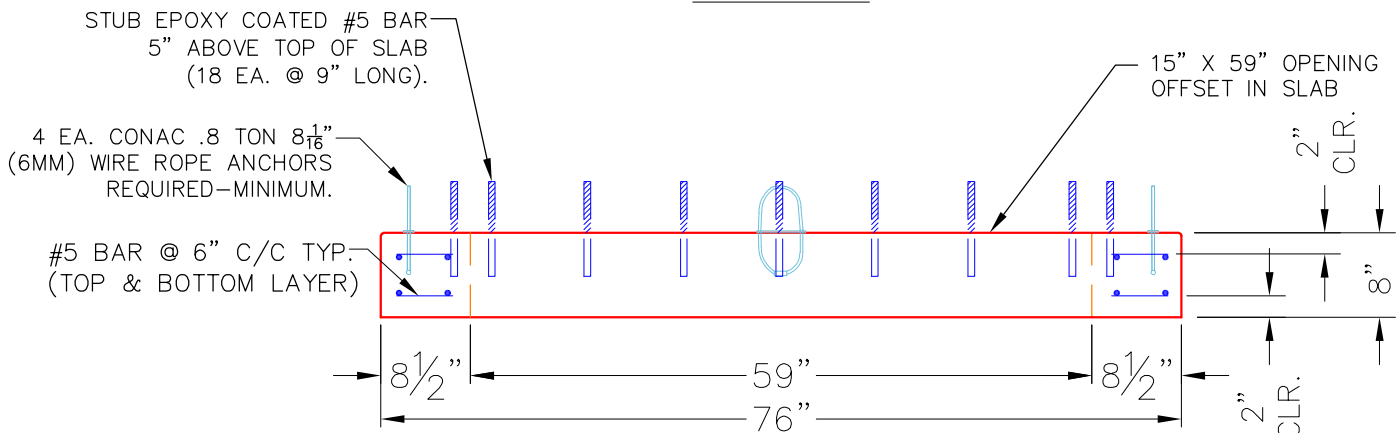
Structure Notes:

****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



TOP VIEW



FRONT VIEW

NOTES:

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

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: 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 8:57:27 AM

PC: C. Goff



Structure ID: 254 (430+25 LT)

P2 BX024024-08LD08S

BX FLAT LID 8inW SPEC. (KY JB-B1) F/F

P3) CASTING (cast in) - 0
P2) 24" x 24" - BX FLAT LID 8inW SPEC. (KY JB-B1) F/F - 8"
P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 44"
1) CASTING - HOE KY-206 F/C (KY TY1)
1) 24" x 24" - Conseal CS-102 1.00"
2) Hole - 20

Structure Total:

0 lb
770 lb
4433 lb
206 lb
0 lb
0 lb

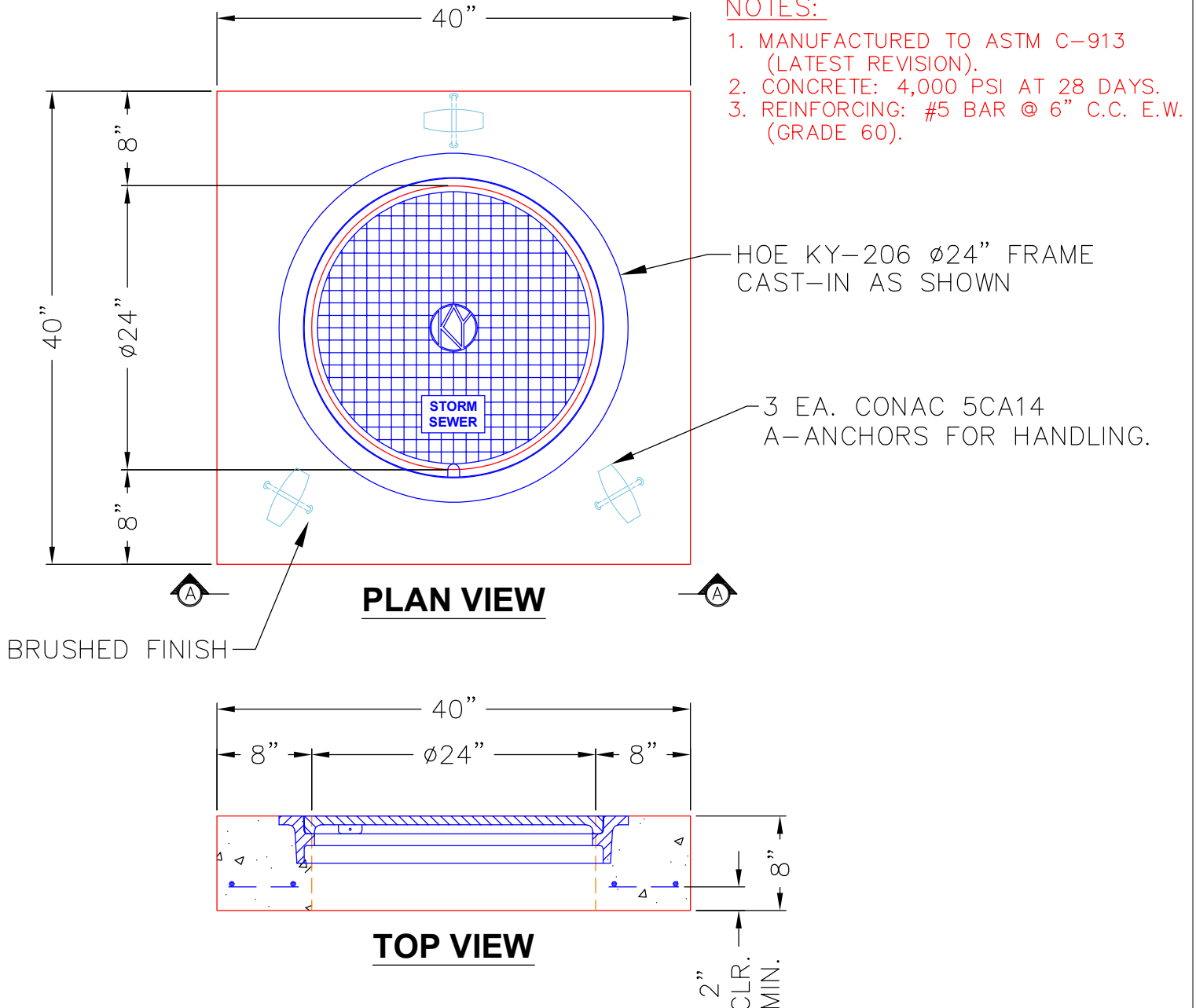
5409 lb

Structure Notes:

****KYTC STATE PROJECT****

1. KYTC JUNCTION BOX B1 / PER ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. TOP SLAB w KYTC TYPE 1 F/C CAST FLUSH.

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.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 770 lb
Volume (Net): 0.2cu.yd

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

Plant: 100

Tech: Jared - A

7/1/2026 12:33:21 PM

PC: J. Jarvis



Structure ID: 460

P3 BX024030-08LD08-15X27

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

- 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 - 18"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 44"
1) CASTING - HOE KY-230-G F/G (GRADE)
2) 24" x 30" - Con seal CS-102 1.00"
1) 15" x 27" - Con seal CS-102 1.00"
2) Hole - 24
2) Hole - 4

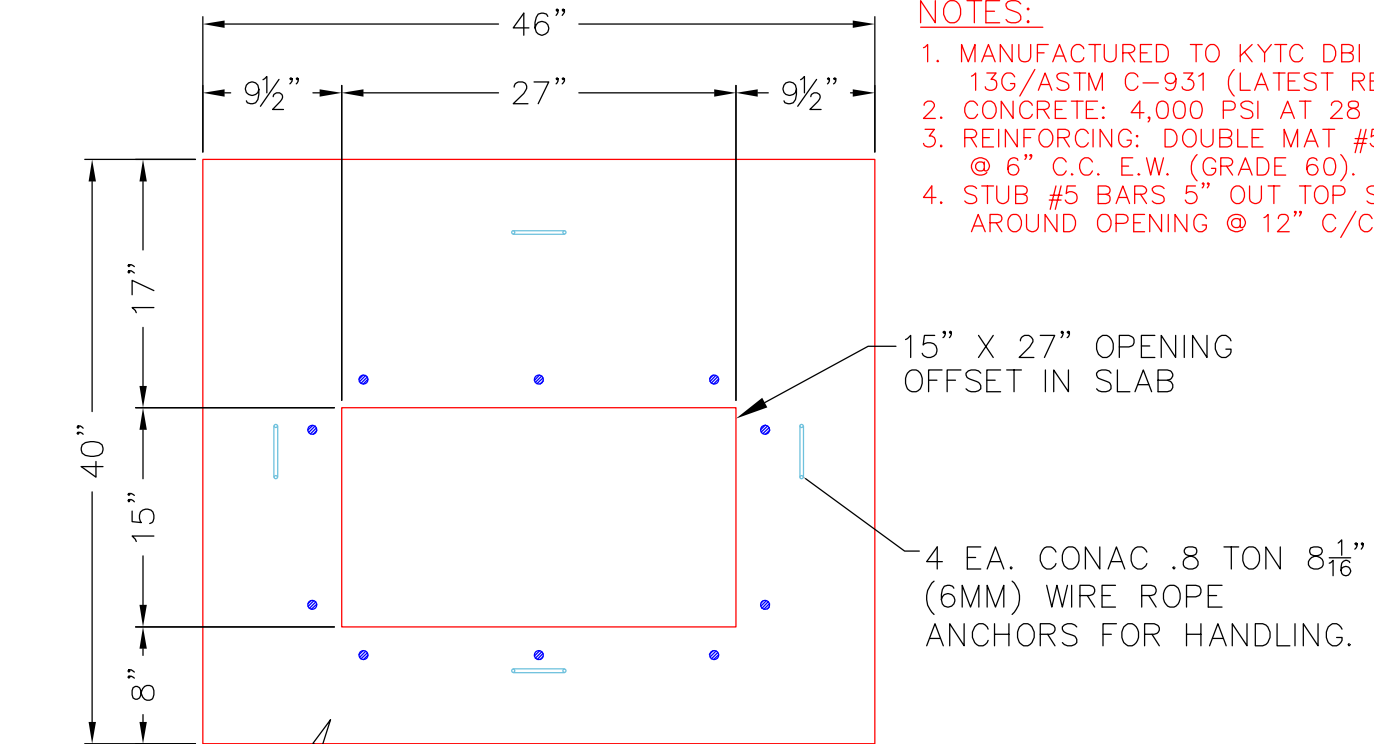
0 lb
963 lb
1675 lb
4839 lb
237 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 7714 lb

Structure Notes:

****KYTC STATE PROJECT****

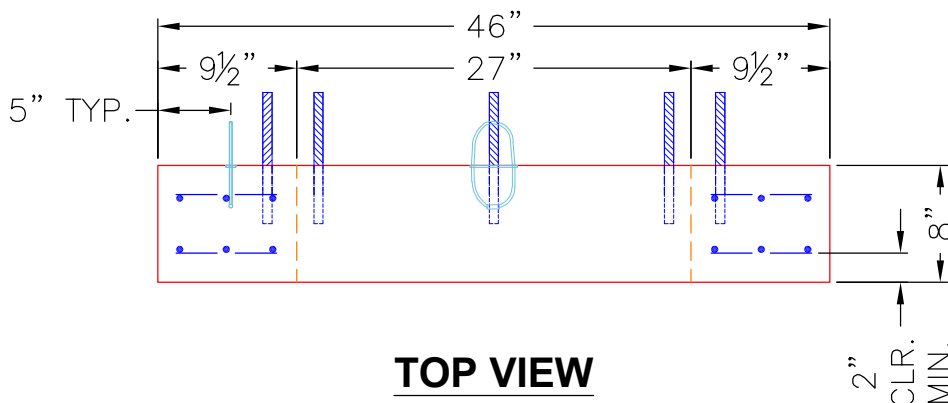
1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB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



NOTES:

1. MANUFACTURED TO KYTC DBI TYPE 13G/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 5" OUT TOP SLAB AROUND OPENING @ 12" C/C.

FLOAT FINISH **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

Tech: Jared - A

7/1/2026 12:33:19 PM

PC: J. Jarvis



Structure ID: 476

P3 BX024030-08LD08-15X27

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

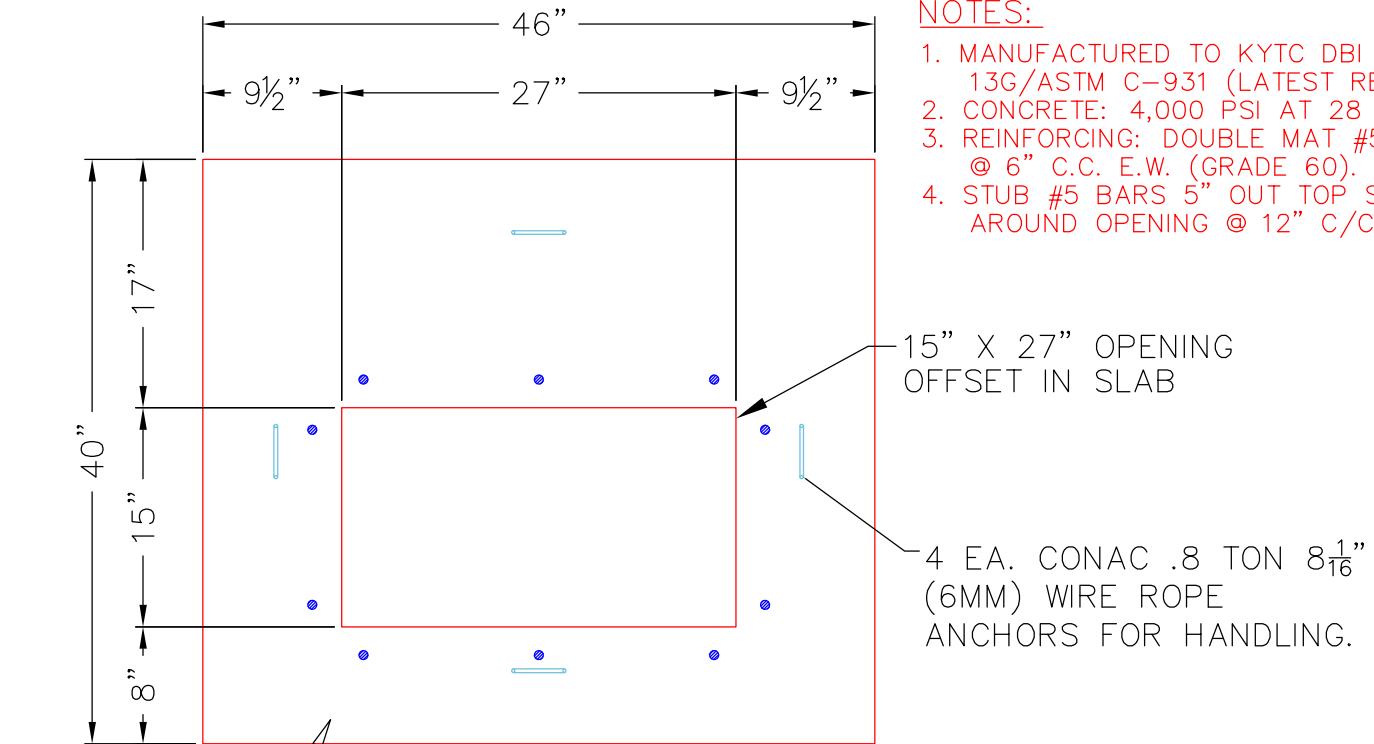
- P4) 15" x 27" - P.I.P. - BY OTHERS - 8"
P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P2) 24" x 30" - BOX RISER 8inW - 30"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 43"
1) CASTING - HOE KY-230-G F/G (GRADE)
2) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 24
2) Hole - 4

0 lb
963 lb
2803 lb
4669 lb
237 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 8672 lb

Structure Notes:

KYTC STATE PROJECT

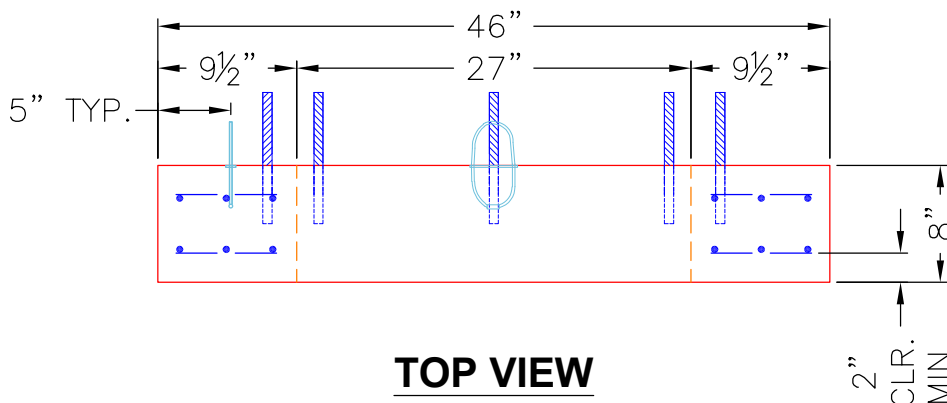
1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS..
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB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



NOTES:

1. MANUFACTURED TO KYTC DBI TYPE 13G/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 5" OUT TOP SLAB AROUND OPENING @ 12" C/C.

FLOAT FINISH **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

7/1/2026 12:33:17 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 462

P2 BX024030-08LD08-15X27

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

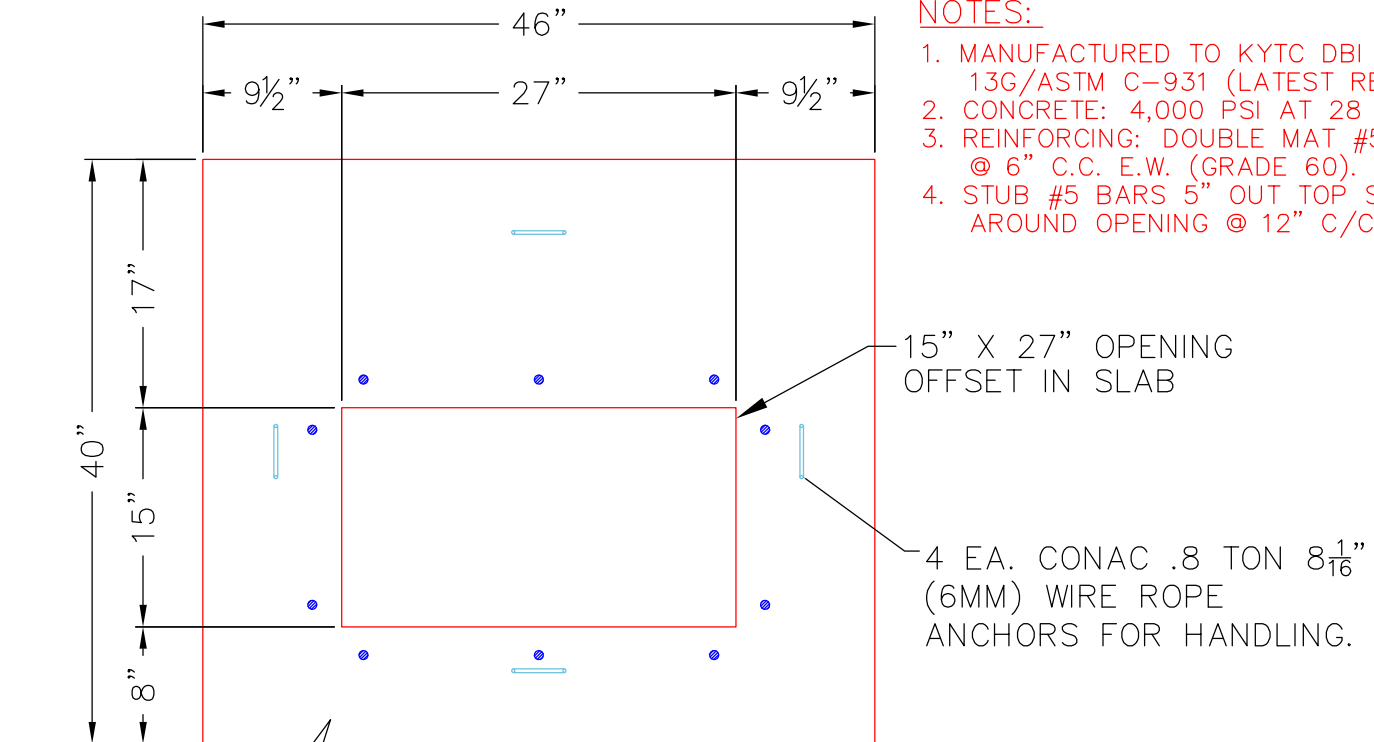
P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 40"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
1) Hole - 20
2) Hole - 4

0 lb
963 lb
4767 lb
237 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 5967 lb

Structure Notes:

KYTC STATE PROJECT

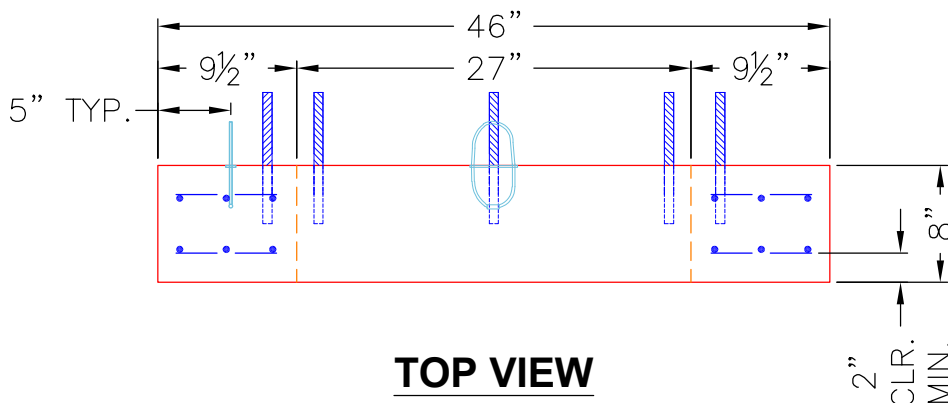
1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB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



NOTES:

1. MANUFACTURED TO KYTC DBI TYPE 13G/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 5" OUT TOP SLAB AROUND OPENING @ 12" C/C.

FLOAT FINISH **PLAN VIEW**



TOP VIEW

Coating (Int):
Coating (Ext):

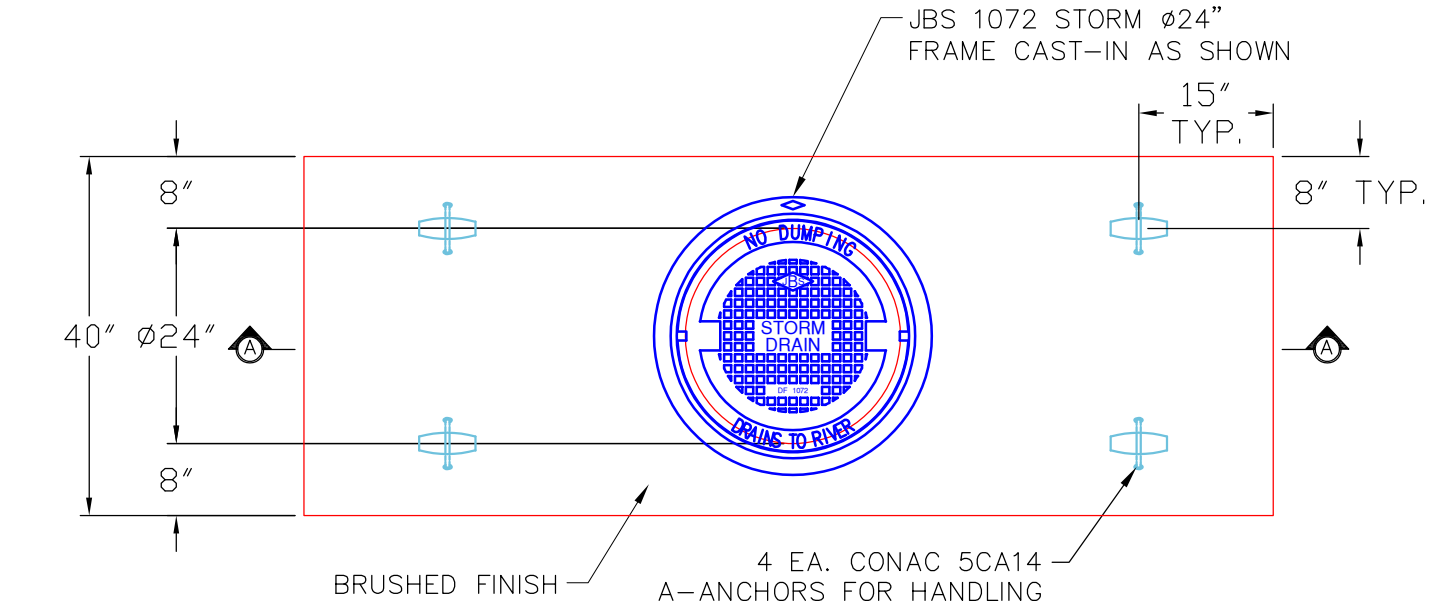
Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

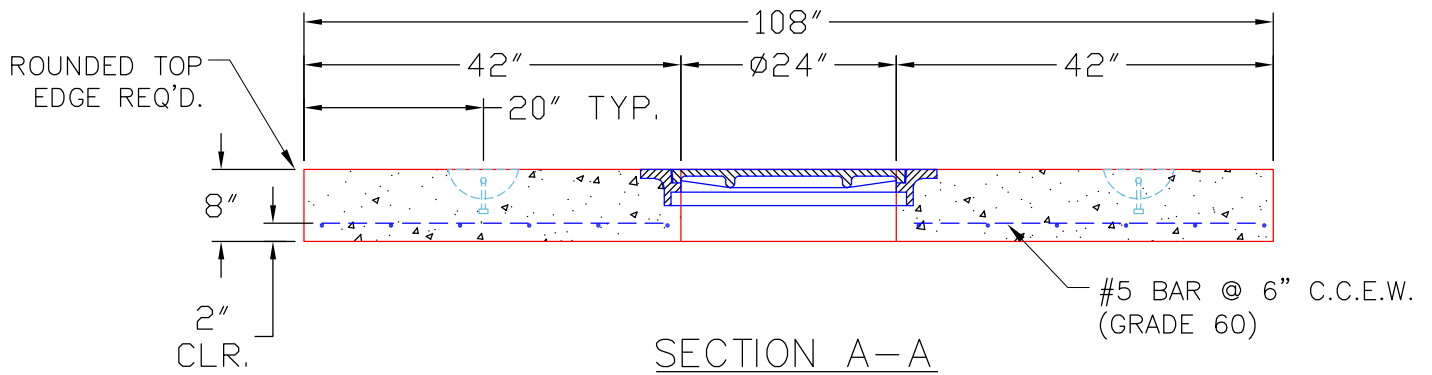
Height (Ext): 8"

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

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR.



TOP VIEW

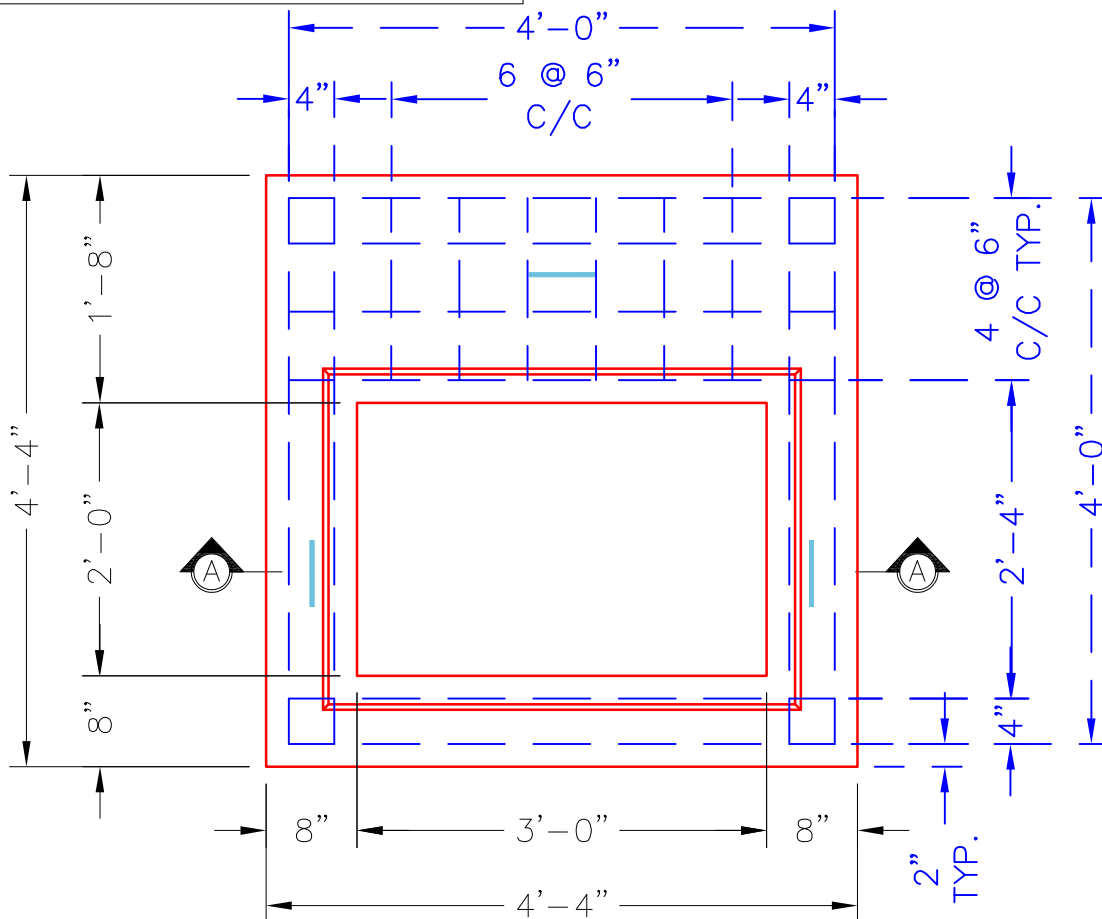


NOTES:

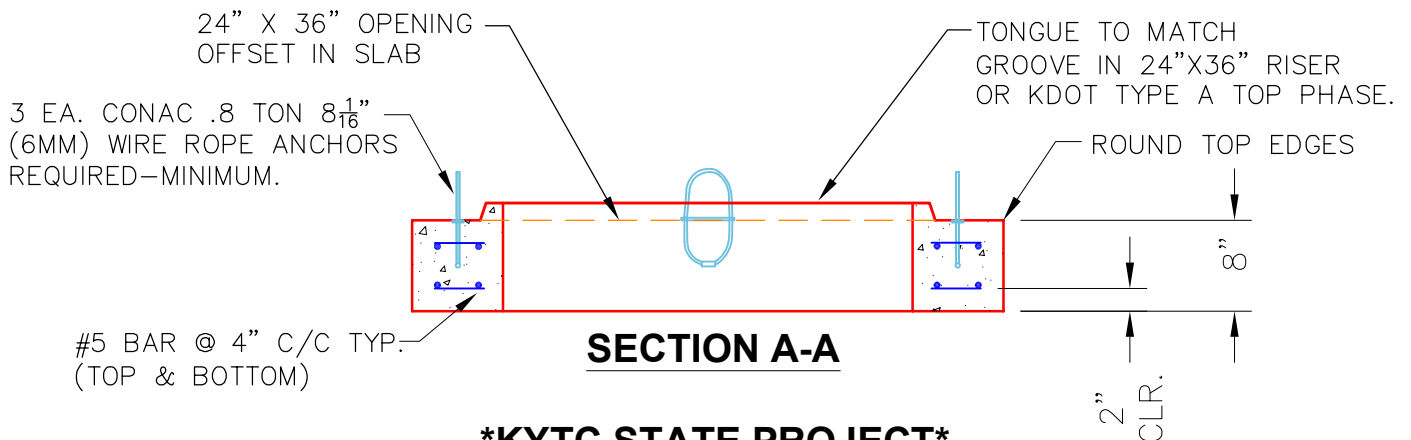
1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" C.C. E.W. (GRADE 60).

PRODUCTION WORK ORDER		PRODUCT I.D.: BX028096-06LD08S	DESCRIPTION: 108" X 40" X 8" THICK FLAT TOP W/ $\phi 24"$ CAST-IN CENTERED	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ HOLE LOCATION CORRECT. ☐ REINFORCING CORRECT. ☐ FINISH ON SLAB SURFACE UNIFORM. ☐ OUTSIDE TOP EDGE TROWELLED. ☐ FLAT BOTTOM.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: JOSH KING EXCAVATING	
		PLANT: BEAVER DAM, KY.	PROJECT: PARKS AT CANE RIDGE PH.2B	
		WEIGHT: 2,623 LBS.	STRUCTURE: L1	
		TOP SECTION JOINT: N/A	QUOTE/SALES ORDER NO: 25-2284D	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: S. FELLETTTER
		QC CHECK INITIALS:	DATE: 08/04/26	SCALE: NTS PG. 1 of 1

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR.



PLAN VIEW



SECTION A-A

NOTES:

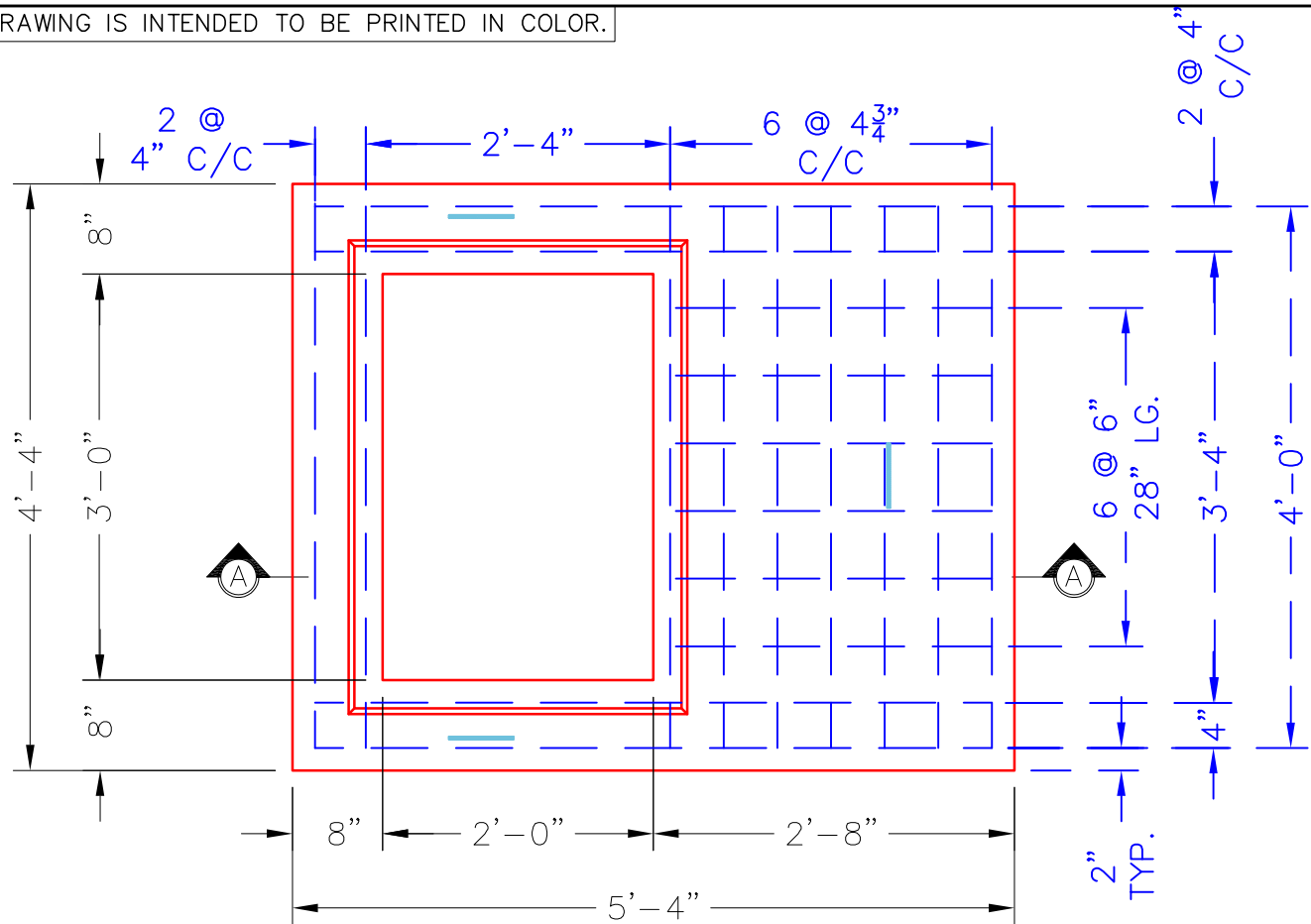
- CONCRETE: 4500 PSI @ 28 DAYS.
- REINFORCING: #5 BAR @ 4" & 6" C/C-GRADE 60.
(TOP & BOTTOM LAYERS).
- 3 EA. CONAC WIRE LOOP LIFTERS REQUIRED.

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

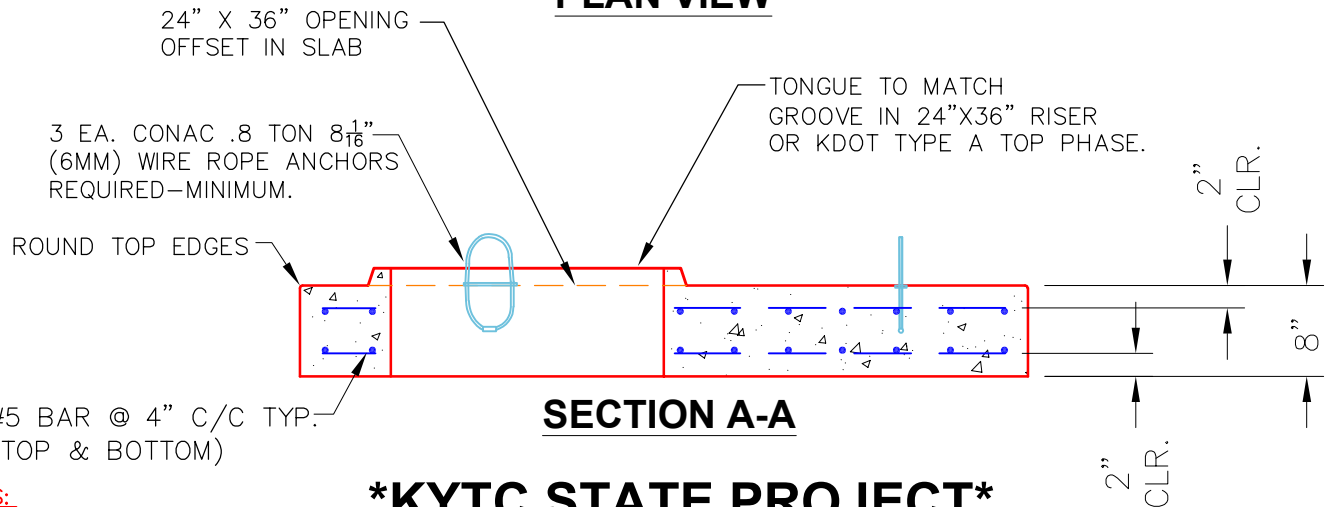
KYTC STATE PROJECT

PRODUCTION WORK ORDER		PRODUCT I.D.: BX036036-08TS024036	DESCRIPTION: CURB INLET TRANSITION SLAB 36" 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: 1,235 LBS.	STRUCTURE: 239 (426+67 RT) (SEC. P2)		
	☐ OPENING OFFSET.	TOP SECTION JOINT: TONGUE	QUOTE/ORDER NO: 24-4208		
	☐ REINFORCING CORRECT.	BOTTOM JOINT: FLAT	PC: C. GOFF		DRAWING: S. FELLETER
	☐ 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: 252 (429+39 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: 26-1735 - City Of Clarksville Vaults
Job Location: Clarksville, TN
Contractor: Clarksville Gas and Water

Plant: 100

8/11/2026 6:30:41 PM

Tech: Jared - F

PC: A. Chambers



Structure ID: QL3

P3 BX048096-08LD08S

CB FLAT TOP 8"W w/36"x72" HATCH F/F

P4) 36" x 72" - HATCH (CAST FLUSH) - 3.5"
P3) 48" x 96" - CB FLAT TOP 8"W w/36"x72" HATCH F/F - 8"
P2) 48" x 96" - BOX RISER 8inW, Variable Ht F/F - 64"
P1) 48" x 96" - 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" x 96" - Conseal CS-102 1.00" (Double)
1) 36" x 72" - Conseal CS-102 1.00" (Double)
2) DOGHOUSE - 16"x36"

100 lb
3072 lb
13058 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 16230 lb

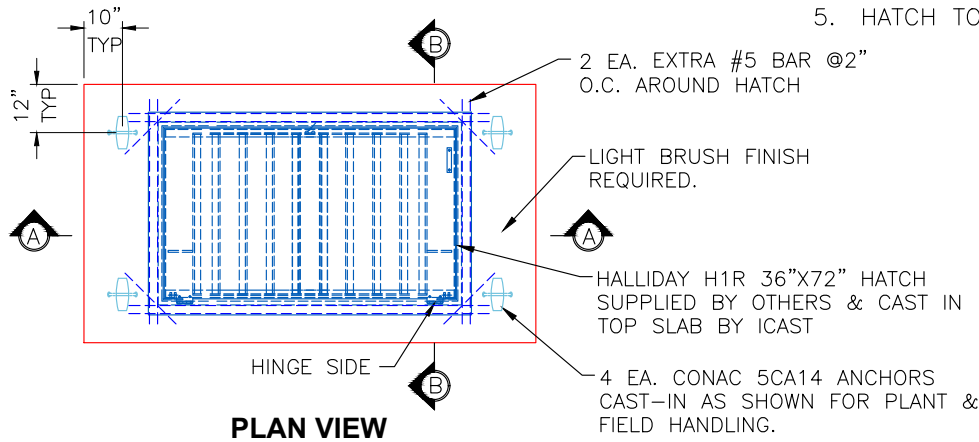
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY OTHERS (HALLIDAY H1R 36"x72").

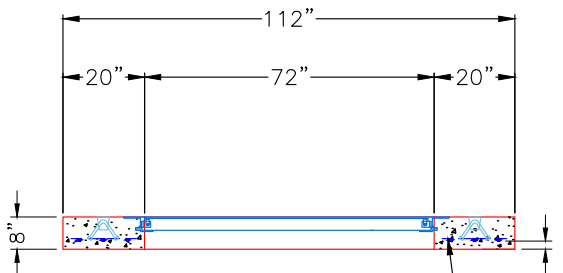
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB(As.12) #5 BARS AT 6" C.C.E.W.
- WALLS(As.12) #5 BARS AT 8" C.C.E.W.

GENERAL NOTES:

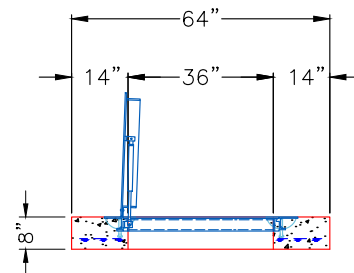
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" E.W. O.C. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP).
4. HATCH: HALLIDAY H1R 36"x72" HATCH SUPPLIED BY OTHERS & CAST IN TOP SLAB BY ICAST
5. HATCH TO BE CAST INTO TOP OF LID.



PLAN VIEW



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



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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 3072 lb
Volume (Net): 0.78cu.yd

Job Name: 26-1463 - Brown Co Landfill Vaults

Job Location: Pleasant Township, OH

Contractor: Hinkle Construction Services, LLC

Plant: 100

7/10/2026 12:56:08 PM

Tech: Jared - F

PC: E. Bradley

Structure ID: 2

P1 BX054168-08W08F-BAVF

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

P3) 30" x 36" - HATCH (CAST FLUSH) - 3"

P2) 54" x 168" - BX FLAT TOP 8"W w/(2) 30"x36" HATCHES F/F - 8"

P1) 54" x 168" - BOX BASE 8inW, 8inF, Variable Ht F/n - 40"

2) HATCH (Alum.) - HALLIDAY W1S 30"x36"

1) Conseal CS-102 1.00" (Double)

3) Hole - 8

1) Hole - 6

100 lb

7196 lb

21308 lb

138 lb

0 lb

0 lb

0 lb

Structure Total: 28742 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. HATCH SUPPLIED BY ICAST (2ea. HALLIDAY W1S 30X36).

REINFORCING PER ASTM A615 (GRADE 60).

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

- WALLS(As .37)#5 BARS AT 8" C.C.E.W.

- FLOOR(As .37)#5 BARS AT 8" C.C.E.W.

Rim: 947.5'

Rim to Invert: 4'

Slack: 0"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	944'	0°	25"	4" FM PIPE	4.25"	Hole 8	8"	8"	4"	-10"
Invert 2	944'	180°	45"	4" FM PIPE	4.25"	Hole 8	8"	8"	4"	10"
Invert 3	944'	180°	25"	4" FM PIPE	4.25"	Hole 8	8"	8"	4"	-10"
Invert 4	943.5'	180°	58"	4" DRAIN PIPE	4.25"	Hole 6	6"	6"	-1"	23"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 3
Degree: 180°
Horz: 17"
Hole: 8"
Up(): 4"

Invert: 2
Degree: 180°
Horz: 37"
Hole: 8"
Up(): 4"

Invert: 4
Degree: 180°
Horz: 50"
Hole: 6"
Up(): -1"

Invert: 1
Degree: 0°
Horz: 17"
Hole: 8"
Up(): 4"

UPSIDE-DOWN VIEW (int. dimensions)

WEIGHTS

FIRST POUR - 8,646 LBS

SECOND POUR - 12,627 LBS

TOTAL - 21,273 LBS

(P3)

(P2)

(P1) <<

1ST POUR (FLOOR)

STUB #5 L BARS OUT TOP

FLOOR, SPA AT 12" C/C FOR

CONNECTING WALLS

INSIDE WALL DIMENSIONS

Front

Right (168")

Back (54")

Left

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 40"

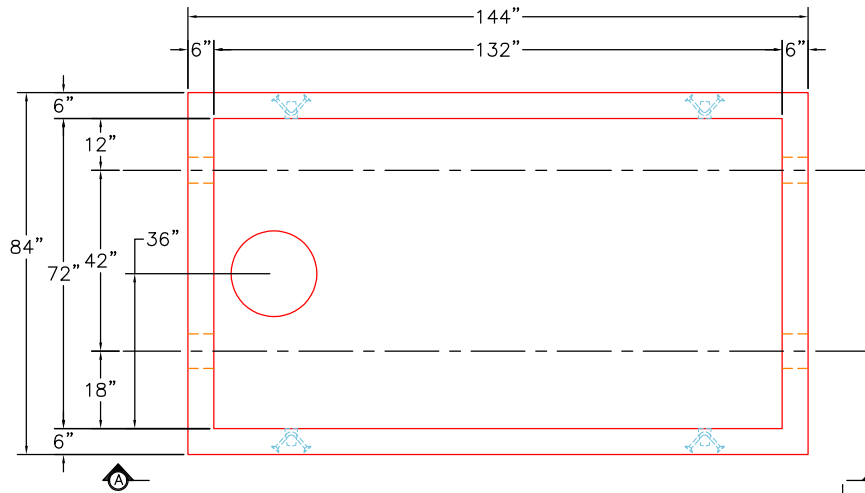
Height (Ext): 48"

Weight (Net): 21308 lb

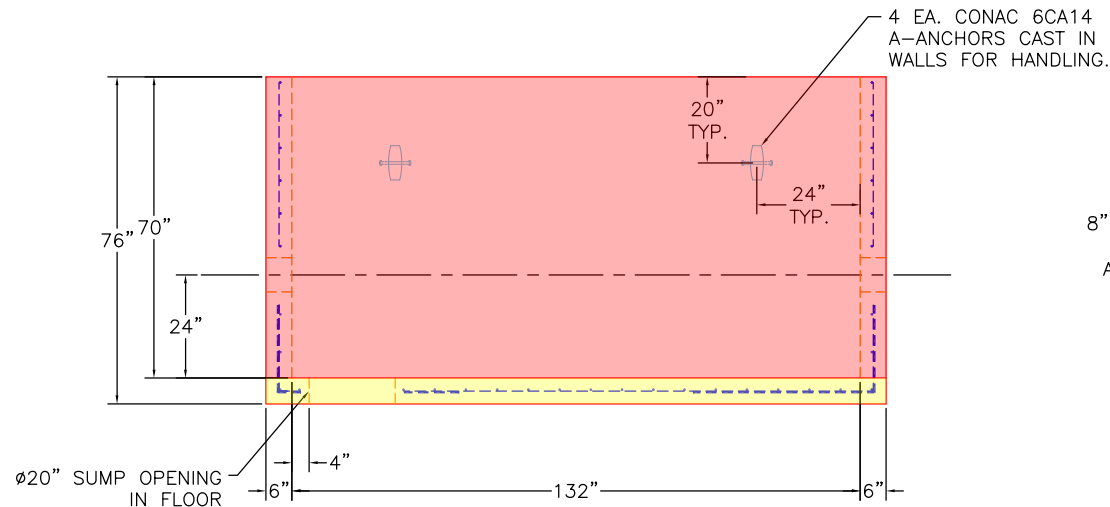
Volume (Net): 5.44cu.yd



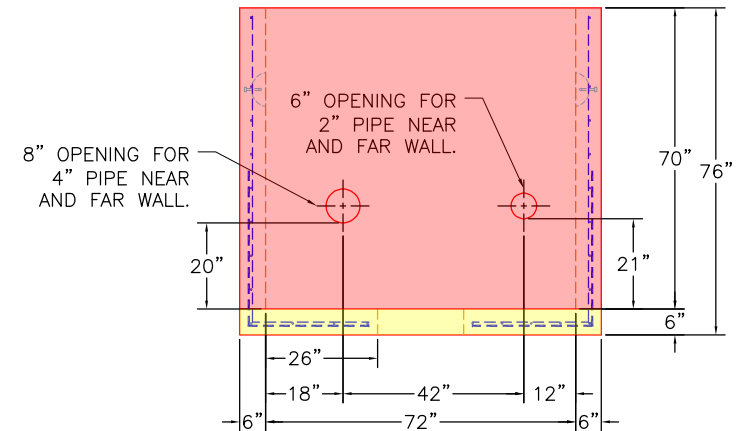
Coating (Int):	Seam Up: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 3007 lb
Coating (Ext):	Seam Dn: Flat			Volume (Net): 0.77cu.yd



PLAN VIEW



SECTION A-A



SECTION B-B

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 12" C.C.E.W.
(GRADE 60) - 2" MIN. REBAR CLEARANCE.
4. WEIGHTS: TOTAL = 21,236 LBS
FIRST POUR = 6,090 LBS
SECOND POUR = 15,146 LBS
5. DOUBLE ROLL CS-102 JOINT SEALANT.

FIRST POUR DRAWING

PRODUCTION WORK ORDER

PRODUCT I.D.: BX072132-06W06F-BAVF

DESCRIPTION: 6' X 11' VAULT BASE SECTION



QUALITY CONTROL CHECKLIST

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

PRODUCT VIEW: RIGHT-SIDE UP

CUSTOMER: CORE & MAIN (BG)

PLANT: BEAVER DAM, KY.

PROJECT: CAMPBELL VIEW APARTMENTS VAULT

WEIGHT: 21,236 LBS.

STRUCTURE: QL1

TOP SECTION JOINT: FLAT

ORDER NO: 26-2495

BASE SECTION JOINT: N/A

PC: T. LEWIS

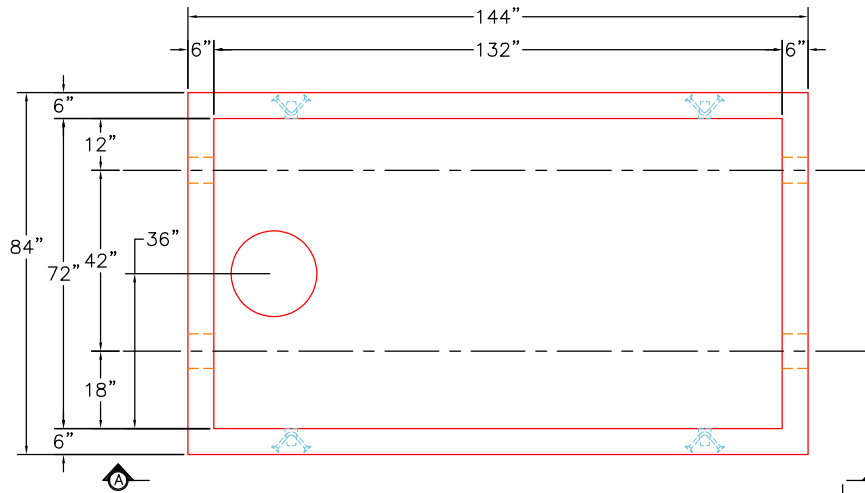
DRAWING: S. FELLETER

QC CHECK INITIALS:

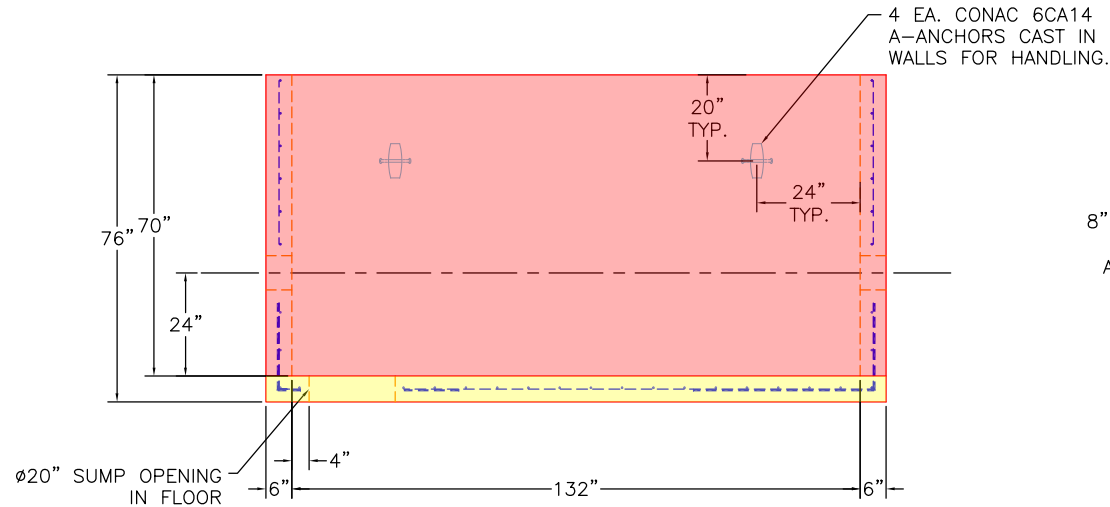
DATE: 08/12/26

SCALE: NTS

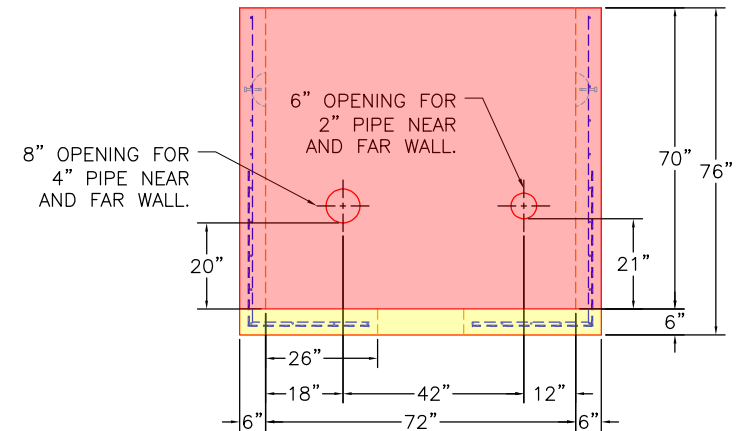
PG. 1 of 1



PLAN VIEW



SECTION A-A



SECTION B-B

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 12" C.C.E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE.
4. WEIGHTS: TOTAL = 21,236 LBS
FIRST POUR = 6,090 LBS
SECOND POUR = 15,146 LBS
5. DOUBLE ROLL CS-102 JOINT SEALANT.

SECOND POUR DRAWING

PRODUCTION WORK ORDER

PRODUCT I.D.: BX072132-06W06F-BAVF

DESCRIPTION: 6' X 11' VAULT BASE SECTION



QUALITY CONTROL CHECKLIST

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

PRODUCT VIEW: RIGHT-SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 21,236 LBS.

TOP SECTION JOINT: FLAT

BASE SECTION JOINT: N/A

QC CHECK INITIALS:

CUSTOMER: CORE & MAIN (BG)

PROJECT: CAMPBELL VIEW APARTMENTS VAULT

STRUCTURE: QL1

ORDER NO: 26-2495

PC: T. LEWIS

DRAWING: S. FELLETER

DATE: 08/12/26

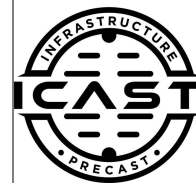
SCALE: NTS

PG. 1 of 1

Job Name: 26-2212 - CDTI Building 1
Job Location: Charlestown, IN
Contractor: Dan Cristiani Excavating Co. Inc.

Plant: Beaver Dam
8/3/2026 10:04:36 AM

Tech: J. Coppage
PC: E. Bradley



Structure ID: QL39

P1 BX120144-08W08F-BAVF

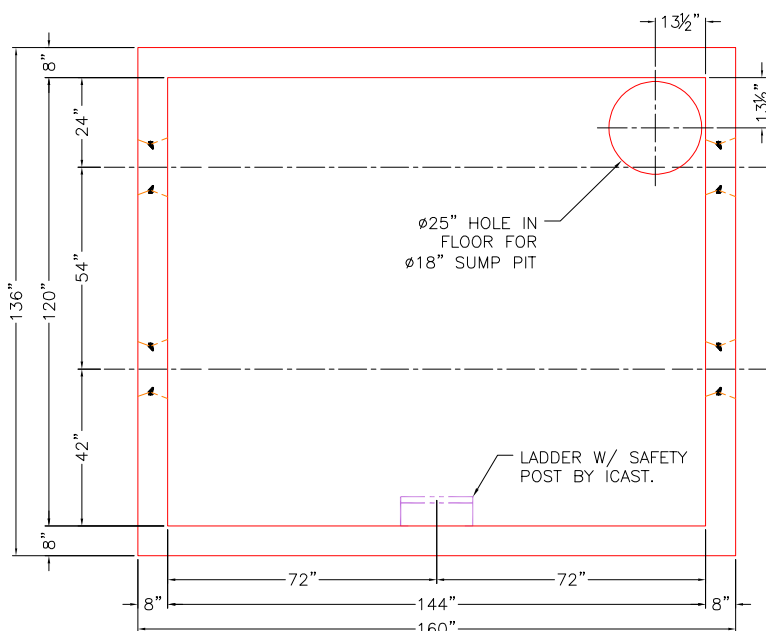
BOX BASE 8inW, 8inF, Variable Ht

- P3) 30" x 60" - HATCH (CAST FLUSH) - 0"
P2) 120" x 144" - BX FLAT TOP 8"W SPECIAL W/ 2 HATCHES - 8"
P1) 120" x 144" - BOX BASE 8inW, 8inF, Variable Ht - 72"
1) This Structure Includes a Cast-in Item - 2x Hatches
1) HATCH (Alum.) - HALLIDAY W1S 24"x24"
1) HATCH (Alum.) - HALLIDAY W1S 60"x30"
1) SECONDARY POUR - Walls
1) LADDER (Alum.) - HALLIDAY L1D 72in Wall-Floor mount ladder
4) A-Lok - 0370

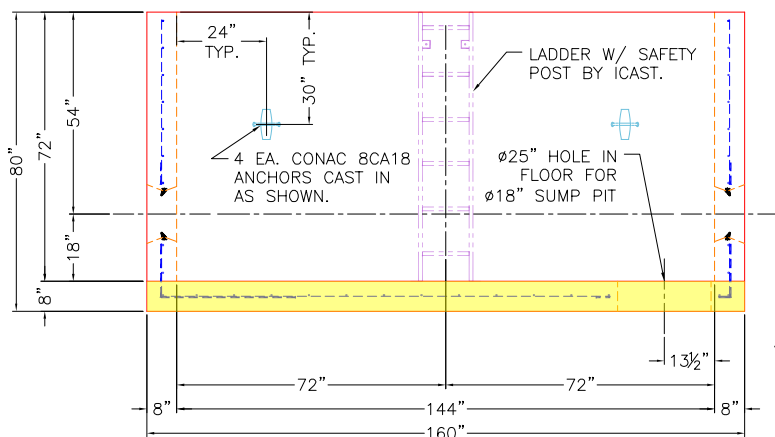
- Structure Notes:
1. HALLIDAY W1S 24" X 24" HATCH BY ICAST.
2. HALLIDAY W1S 30" X 60" HATCH BY ICAST.
3. HATCHES TO BE CAST INTO THE TOP SLAB.
4. PER ASTM C913 SPECIFICATIONS.
5. CONCRETE = 4,000 PSI AT 28 DAYS.
6. REINFORCING PER ASTM A615 (GRADE 60).
AS NOTED BELOW.

Structure Total: 54675 lb

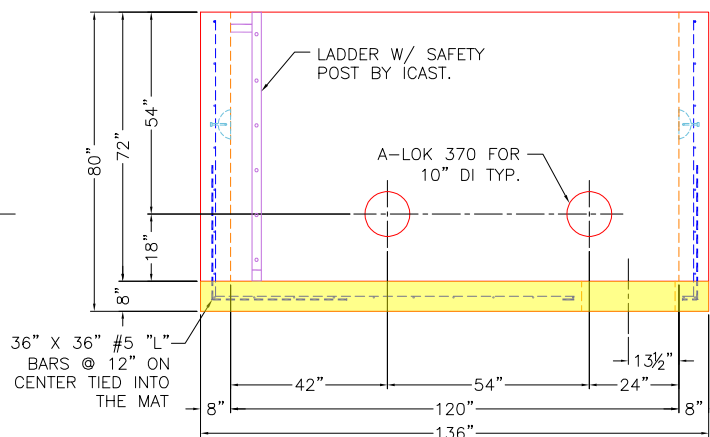
Rim: 6.67' Rim to Invert: 5.58' Slack: 0.04' Sump: 13.08' Step Position:



PLAN VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES:

- MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- CONCRETE: 4,000 PSI AT 28 DAYS.
- REINFORCING:
 - WALLS
 - HORIZONTALS (As .70) #7 BARS AT 10" C.C.E.W.
 - VERTICALS (As .20) #4 BARS AT 12" C.C.E.W.
 - FLOOR
 - LONG WAY (As .24) #4 BARS AT 10" C.C.E.W.
 - SHORT WAY (As .34) #5 BARS AT 10" C.C.E.W.
- LADDER PROVIDED BY ICAST.

FIRST POUR DRAWING

WEIGHTS

FIRST POUR - 14,607 LBS
SECOND POUR - 26,738 LBS
TOTAL - 41,345 LBS

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

Weight (Net): 41345 lb
Volume (Net): 10.56cu.yd

Job Name: 26-2212 - CDTI Building 1
Job Location: Charlestown, IN
Contractor: Dan Cristiani Excavating Co. Inc.

Plant: Beaver Dam
8/3/2026 10:04:36 AM

Tech: J. Coppage
PC: E. Bradley



Structure ID: QL39

P1 BX120144-08W08F-BAVF

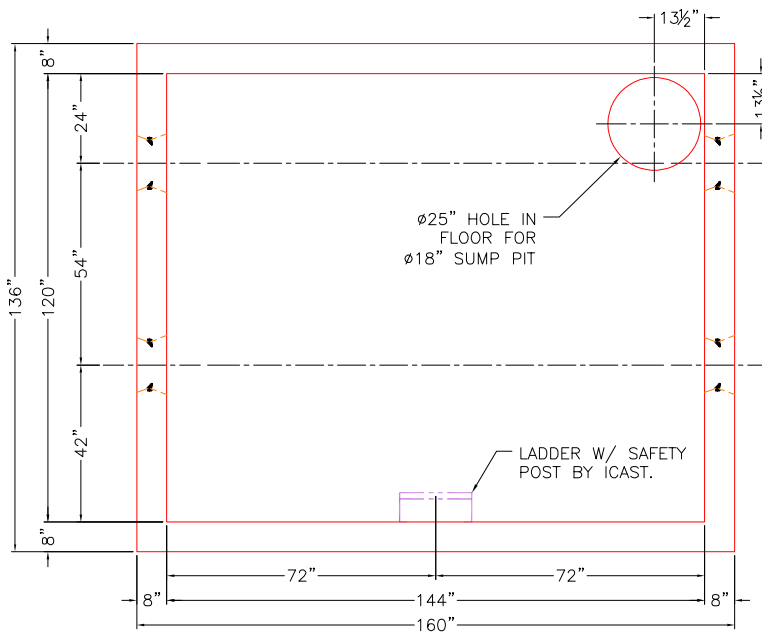
BOX BASE 8inW, 8inF, Variable Ht

- P3) 30" x 60" - HATCH (CAST FLUSH) - 0"
P2) 120" x 144" - BX FLAT TOP 8"W SPECIAL W/ 2 HATCHES - 8"
P1) 120" x 144" - BOX BASE 8inW, 8inF, Variable Ht - 72"
1) This Structure Includes a Cast-in Item - 2x Hatches
1) HATCH (Alum.) - HALLIDAY W1S 24"x24"
1) HATCH (Alum.) - HALLIDAY W1S 60"x30"
1) SECONDARY POUR - Walls
1) LADDER (Alum.) - HALLIDAY L1D 72in Wall-Floor mount ladder
4) A-Lok - 0370

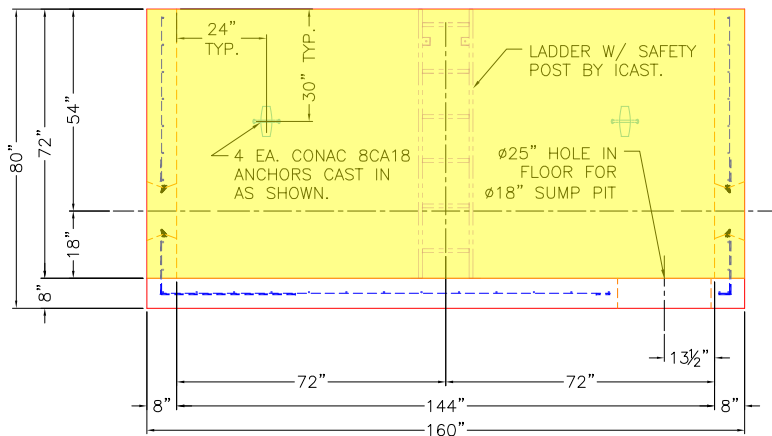
- Structure Notes:
1. HALLIDAY W1S 24" X 24" HATCH BY ICAST.
2. HALLIDAY W1S 30" X 60" HATCH BY ICAST.
3. HATCHES TO BE CAST INTO THE TOP SLAB.
4. PER ASTM C913 SPECIFICATIONS.
5. CONCRETE = 4,000 PSI AT 28 DAYS.
6. REINFORCING PER ASTM A615 (GRADE 60).
AS NOTED BELOW.

Structure Total: 54675 lb

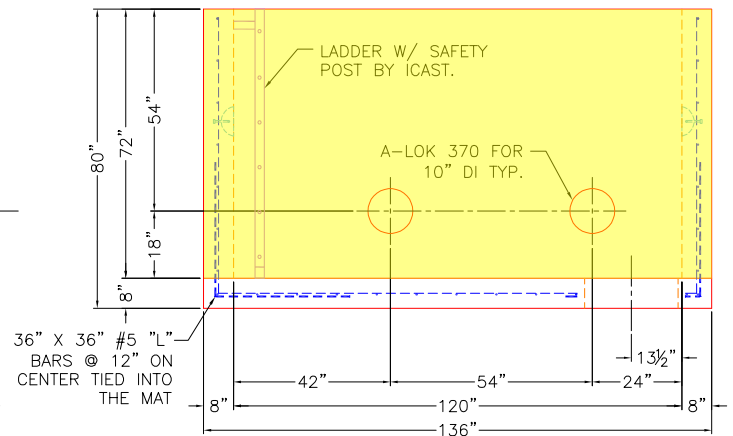
Rim: 6.67' Rim to Invert: 5.58' Slack: 0.04' Sump: 13.08' Step Position:



PLAN VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING:
 - WALLS
HORIZONTALS (As .70) #7 BARS AT 10" C.C.E.W.
 - VERTICALS (As .20) #4 BARS AT 12" C.C.E.W.
 - FLOOR
LONG WAY (As .24) #4 BARS AT 10" C.C.E.W.
 - SHORT WAY (As .34) #5 BARS AT 10" C.C.E.W.
4. LADDER PROVIDED BY ICAST.

SECOND POUR DRAWING

WEIGHTS

FIRST POUR - 14,607 LBS

SECOND POUR - 26,738 LBS

TOTAL - 41,345 LBS

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

Weight (Net): 41345 lb
Volume (Net): 10.56cu.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 8:55:31 AM

Tech: J. Horsley

PC: C. Goff

Structure ID: 247 (428+75 LT)

P1 BX2460-08BAVF

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

P4) 15" x 59" - P.I.P. - BY OTHERS - 8"

P3) 15" x 59" - FIELD ADJUSTMENT - 3.5"

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 - 39"

1) CASTING - HOE KY-230-S F/G (SAG)

1) 24" x 60" - Conseal CS-102 1.00"

1) Hole - 26

3) Hole - 20

2) Hole - 4

0 lb

0 lb

1461 lb

6271 lb

474 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 8206 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-230-S 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.

Rim: 540.98'

Rim to Invert: 4.88'

Slack: 0.06"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	536.1'	270°	38"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 2	536.35'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	1.7"	0"
Invert 3	536.35'	90°	38"	15" HDPE	17.6"	Hole 20	20"	20"	1.7"	0"
Invert 4	536.35'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	1.7"	0"
Invert 5	538.75'	90°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	31.8"	0"
Invert 6	538.75'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	31.8"	0"
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

2-Stage Pour Required

First pour drawing

First pour weight = 2,040 LBS

Second pour weight = 4,231 LBS

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 39"

Height (Ext): 47"

Weight (Net): 6271 lb

Volume (Net): 1.6cu.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

Tech: J. Horsley

7/30/2026 8:55:31 AM

PC: C. Goff



Structure ID: 247 (428+75 LT)

P1 BX2460-08BAVF

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

- P4) 15" x 59" - P.I.P. - BY OTHERS - 8"
P3) 15" x 59" - FIELD ADJUSTMENT - 3.5"
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 - 39"
1) CASTING - HOE KY-230-S F/G (SAG)
1) 24" x 60" - Conseal CS-102 1.00"
1) Hole - 26
3) Hole - 20
2) Hole - 4

0 lb
0 lb
1461 lb
6271 lb
474 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 8206 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-230-S 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.

Rim: 540.98' Rim to Invert: 4.88' Slack: 0.06" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	536.1'	270°	38"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 2	536.35'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	1.7"	0"
Invert 3	536.35'	90°	38"	15" HDPE	17.6"	Hole 20	20"	20"	1.7"	0"
Invert 4	536.35'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	1.7"	0"
Invert 5	538.75'	90°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	31.8"	0"
Invert 6	538.75'	270°	38"	4" WEEP HOLE	4"	Hole 4	4"	4"	31.8"	0"
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

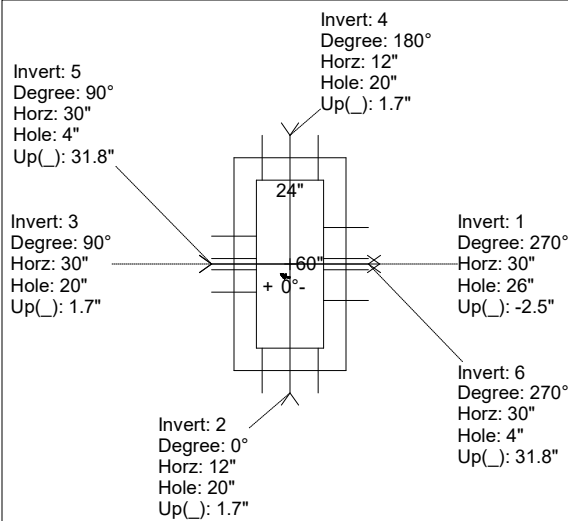
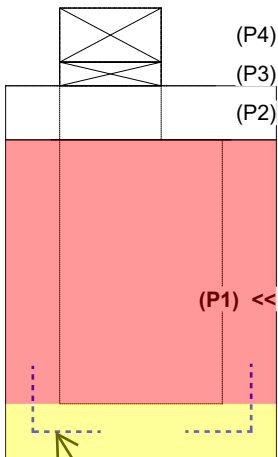
UPSIDE-DOWN VIEW (int. dimensions)

2-Stage Pour Required

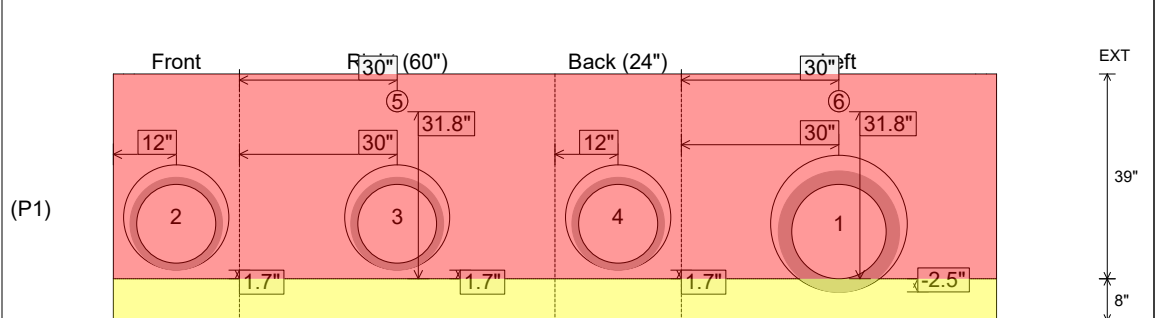
Second pour drawing

First pour weight = 2,040 LBS

Second pour weight = 4,231 LBS



INSIDE WALL DIMENSIONS



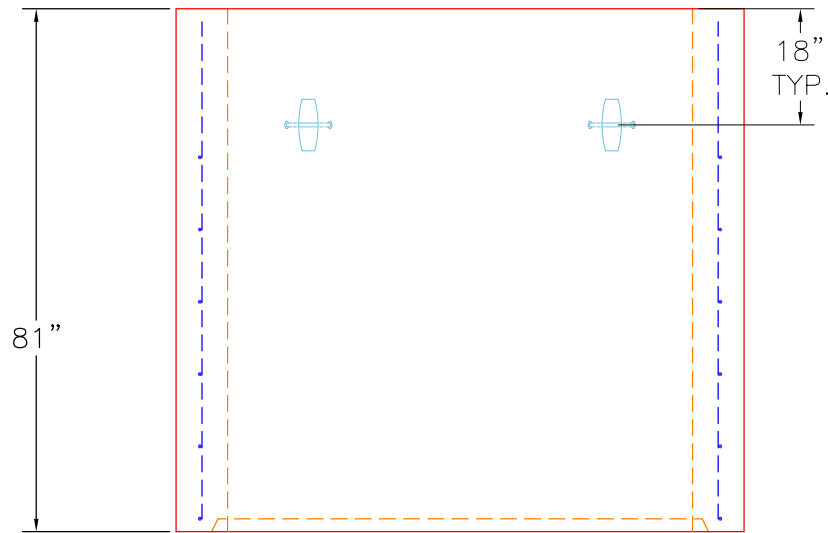
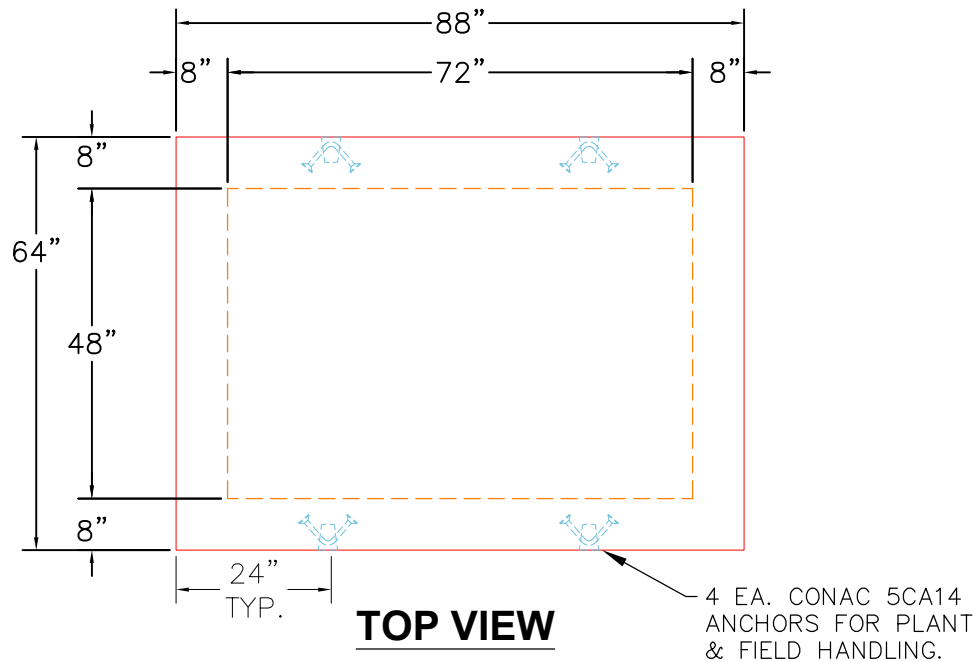
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 39"
Height (Ext): 47"

Weight (Net): 6271 lb
Volume (Net): 1.6cu.yd



GENERAL NOTES:

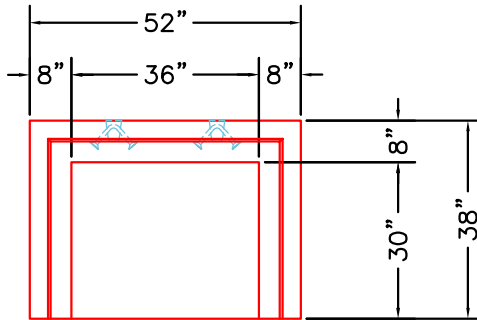
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: PER ASTM A615. (GRADE 60).
- BASE #5 BAR @ 6" C.C.E.W.
5. WEIGHT: 14,790 LBS
6. LIFTING ANCHORS TO BE ON THE OUTSIDE OF THE STRUCTURE
7. CS-102 JOINT SEALANT.

SIDE VIEW

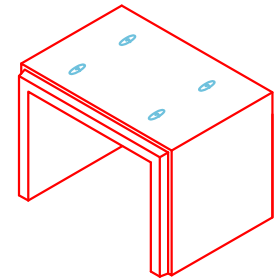
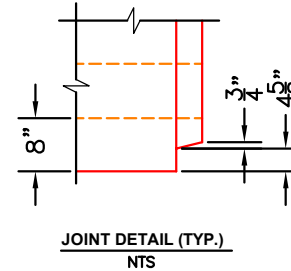
PRODUCTION WORK ORDER		PRODUCT I.D.: BX4872-08RSVF	DESCRIPTION: 48" X 72" X 81" TALL RISER	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ HOLE LOCATION(S) CORRECT. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: CONVERGENT WATER TECHNOLOGIES	
		PLANT: BEAVER DAM, KY.	PROJECT: PALM ST. SMART POND	
		WEIGHT: 14,790 LBS.	STRUCTURE: QL1	
		TOP SECTION JOINT: FLAT	ORDER NO: 26-1706	
		BASE SECTION JOINT: GROOVE	PC: C. GOFF	DRAWING: S. FELLETTTER
		QC CHECK INITIALS:	DATE: 08/05/26	SCALE: NTS PG. 1 of 1

GENERAL NOTES

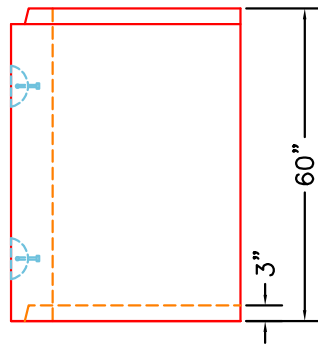
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCING: PER ASTM C1577 (GRADE 60). SEE ATTACHED STAMPED DESIGN CALCULATIONS.
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 36" X 30" X 57" LONG SECTION = 4,275 LBS.



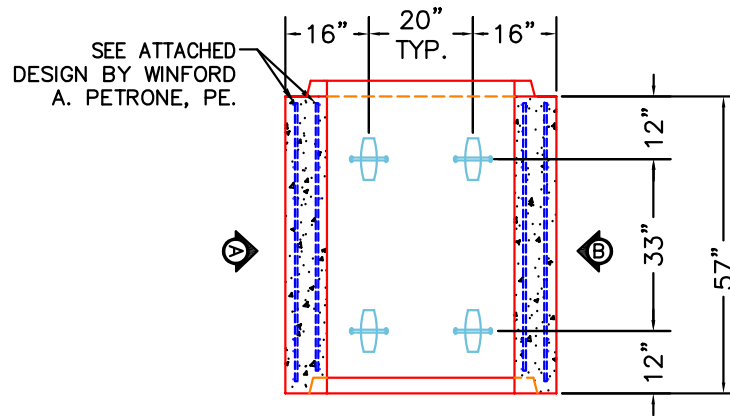
END VIEW



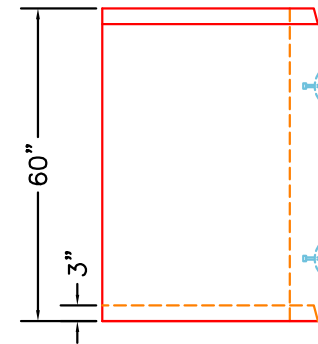
COMPONENT
ISOMETRIC VIEW



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: 4,275 LBS.

TOP JOINT: TONGUE

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 36" X 30" X 57" LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 36" X 30" X 57" BOX CULVERT (P9)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/31/26

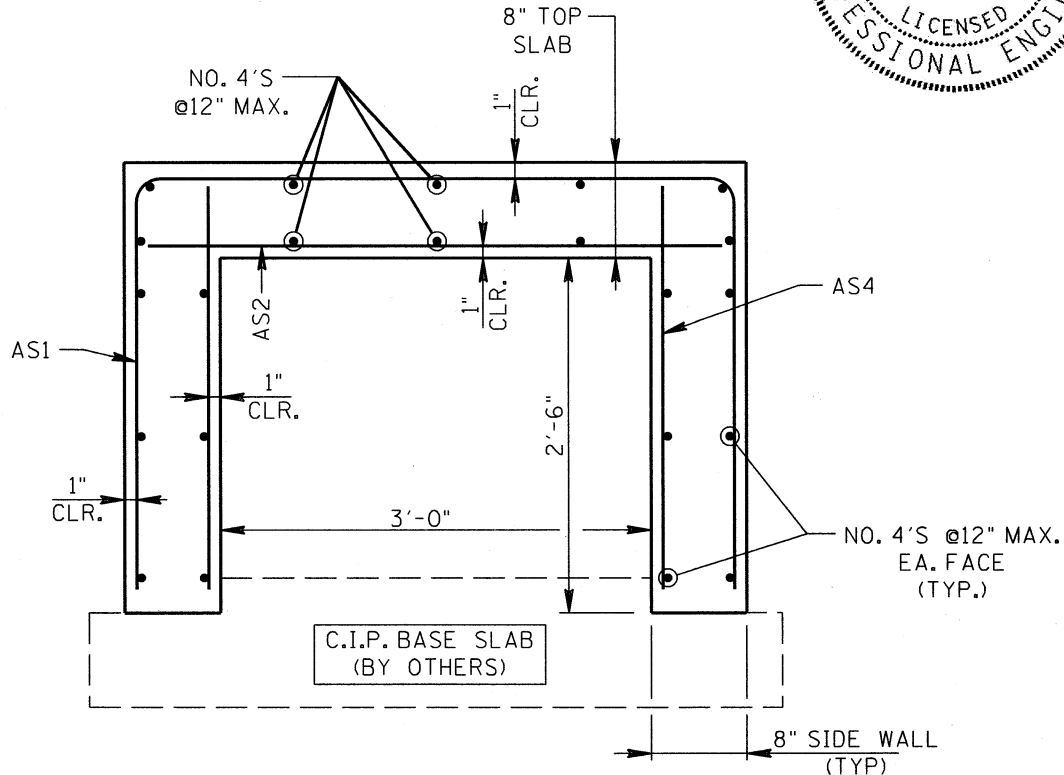
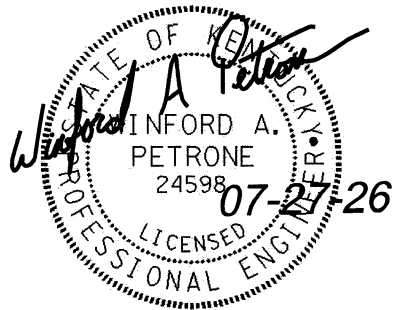
SCALE: NTS

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.

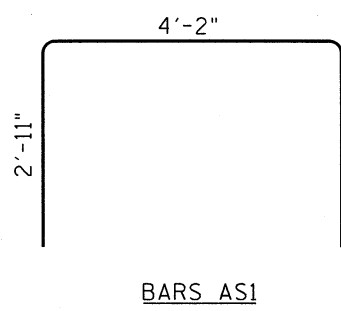
NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.



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"	



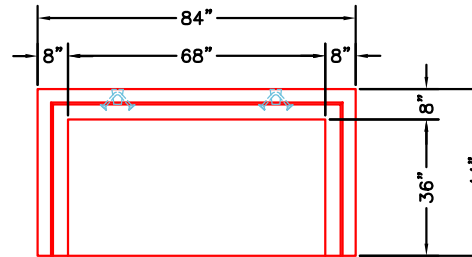
AS1, AS2, AND AS4 REINFORCING BARS
Fy-min=60 K.S.I.

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

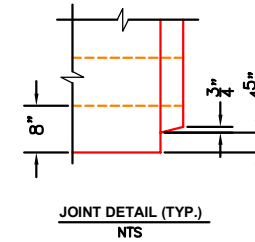
SK-4

GENERAL NOTES

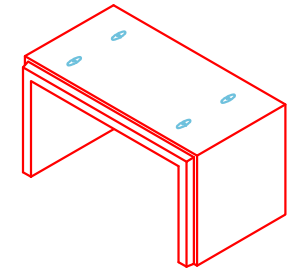
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. 2. CONCRETE: 5,000 PSI AT 28 DAYS
3. .LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCEMENT PER ATTACHED DESIGN BY WINFORD A. PETRONE, PE
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC.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



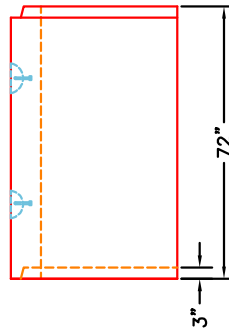
END VIEW



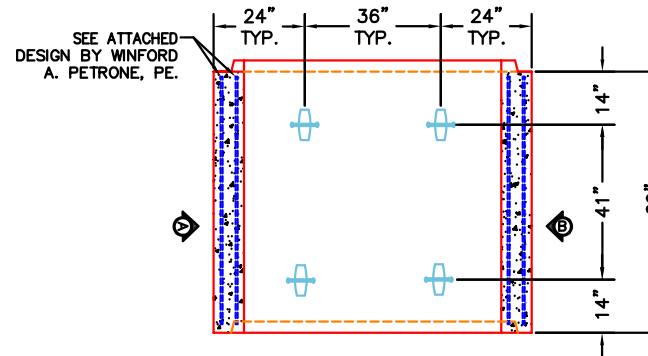
JOINT DETAIL (TYP.)
NTS



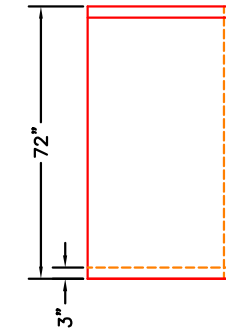
COMPONENT
ISOMETRIC VIEW



VIEW A
UPRIGHT IN MOLD



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

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 (P6)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

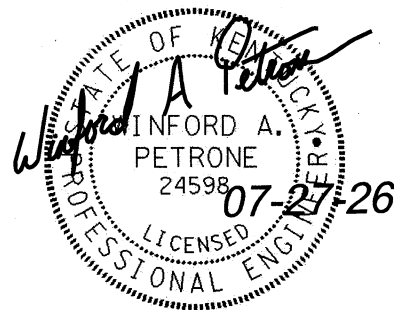
DATE: 07/31/26

SCALE: NTS

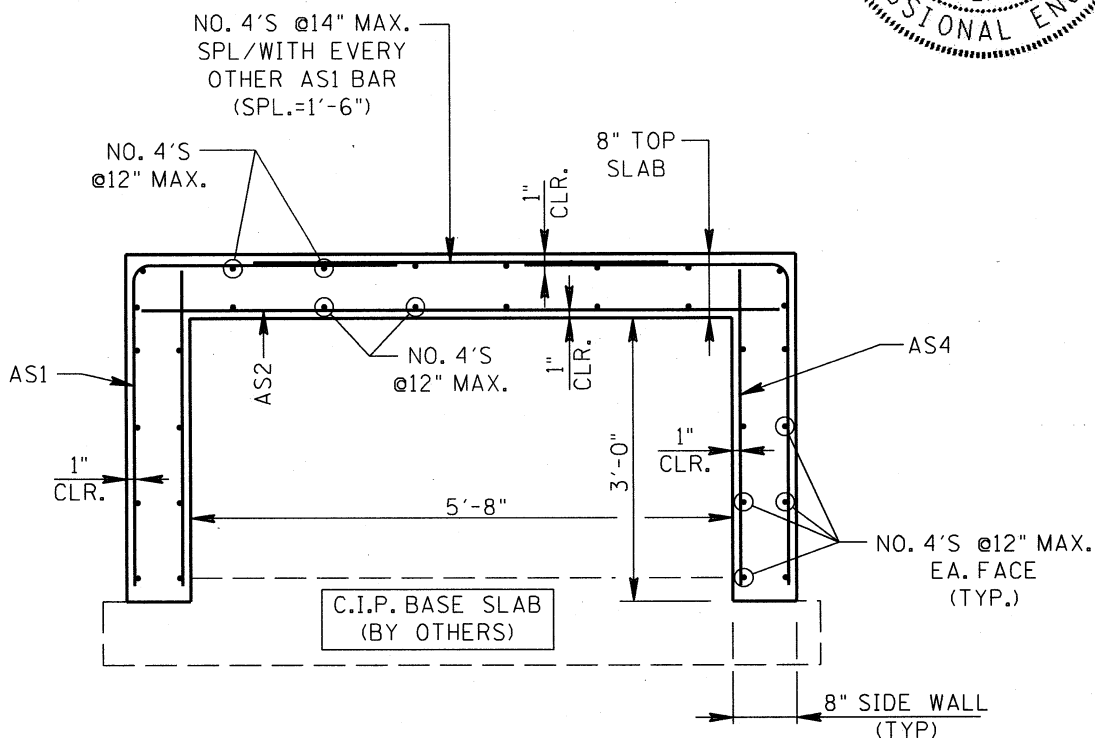
PG. 1 of 1

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

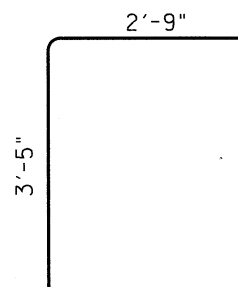


PRECAST TUNNEL SECTION

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

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc				Plant: 100 6/16/2026 1:23:31 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P15-P16										
P3 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 - 2.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG 1) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG Hole - 2						1398 lb 1398 lb 932 lb 932 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: 4.5' Slack: 0" Sump: 66" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	690.5'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	18"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

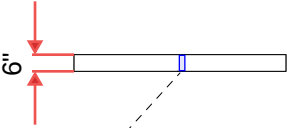
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(P3) <<

(P2)

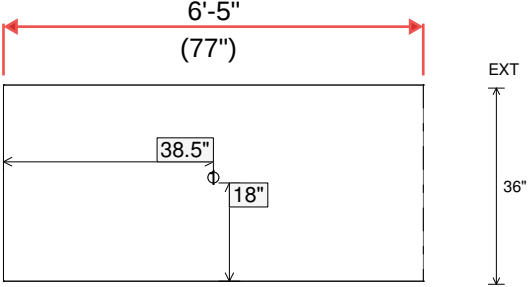
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RIGHT-SIDE UP VIEW (int. dimensions)

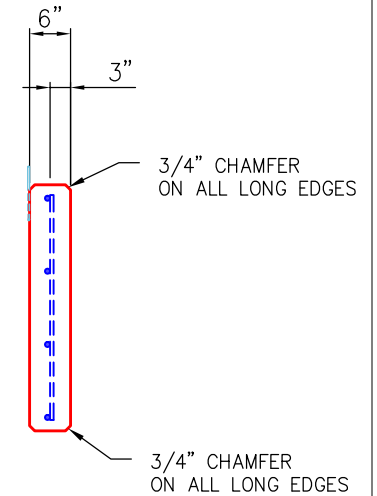
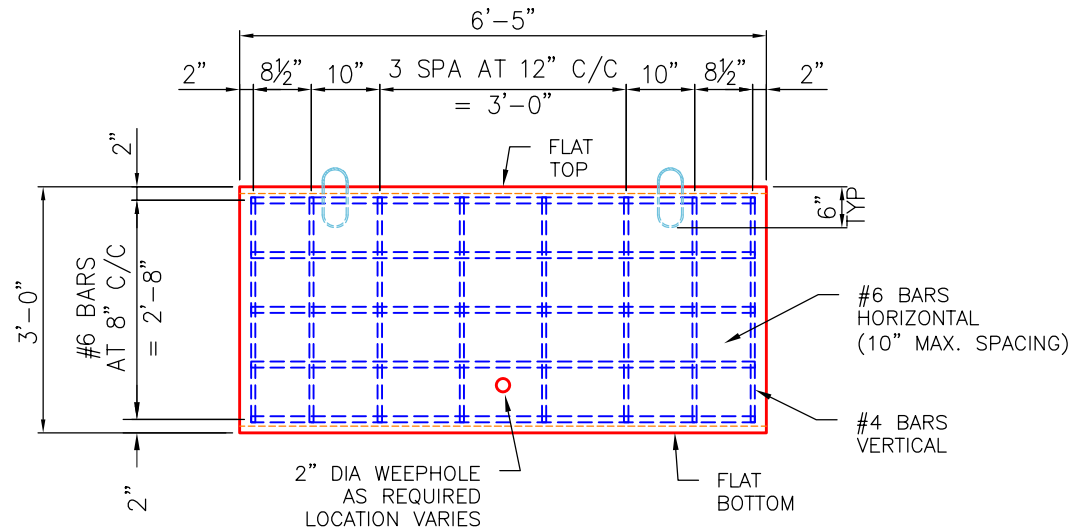
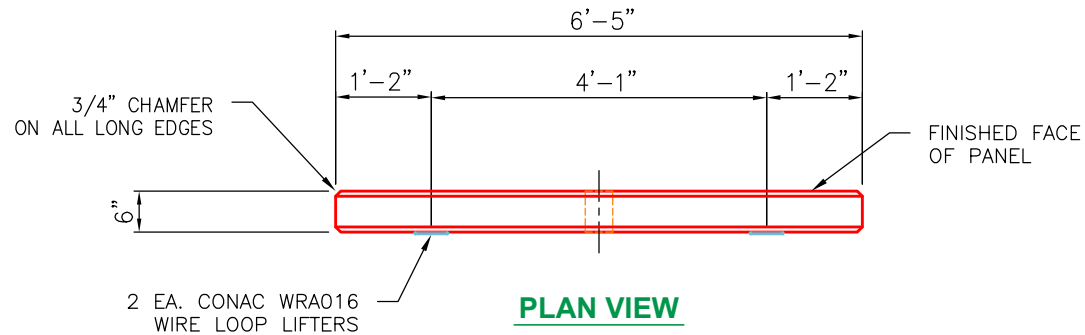


Note:
See attached typical drawing
for reinforcing and lifting details.

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
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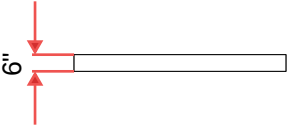
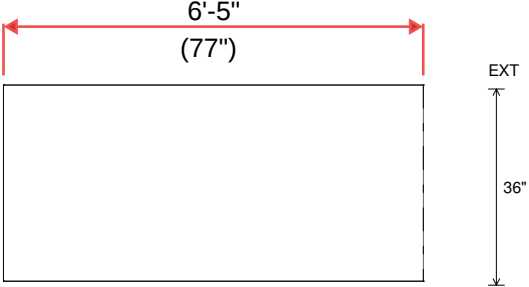
GENERAL NOTES:

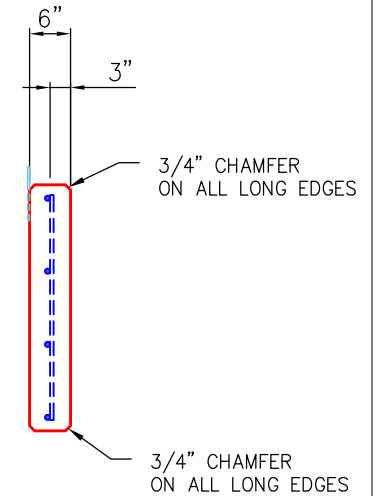
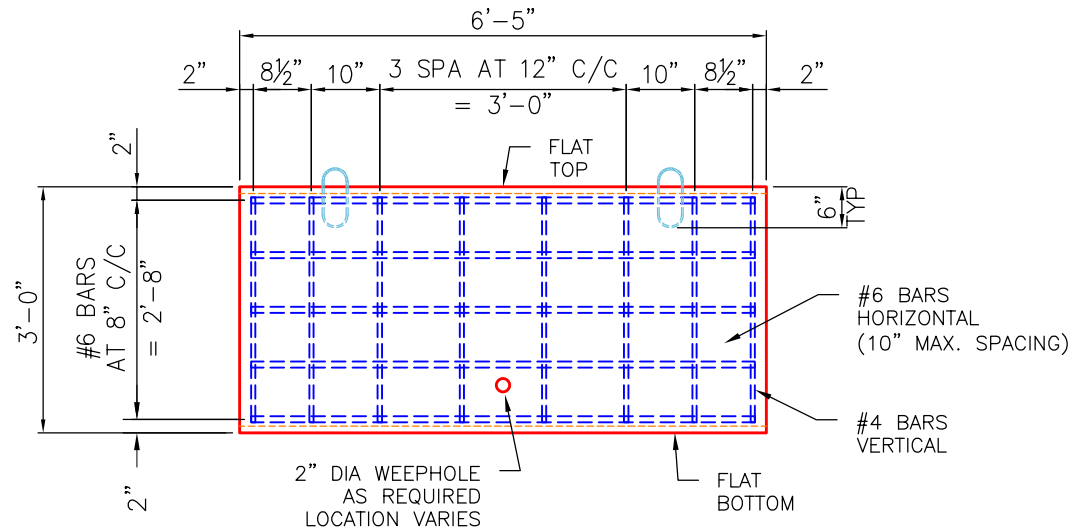
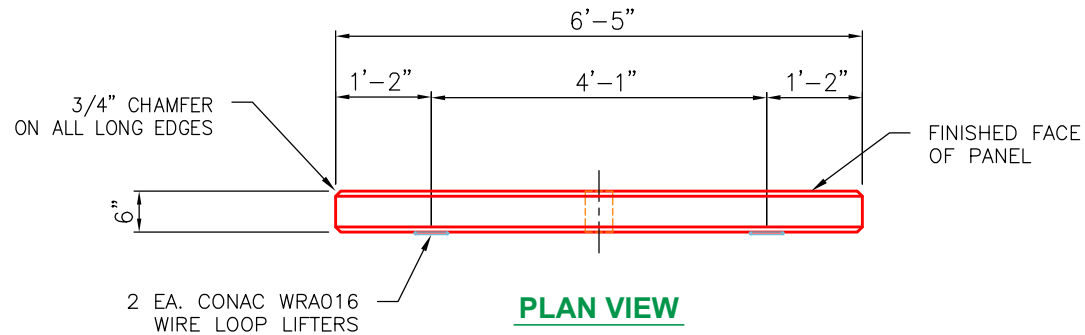
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

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 1:23:31 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P15-P16											
P4 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 - 2.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG 1) Hole - 2						1398 lb 1398 lb 932 lb 932 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: 4.5' Slack: 0" Sump: 66" 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) (P4) << (P3) (P2) (P1)  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	



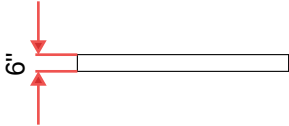
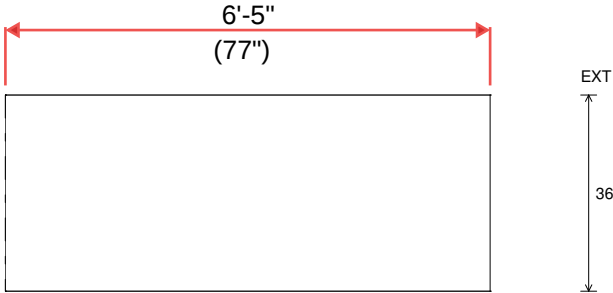
GENERAL NOTES:

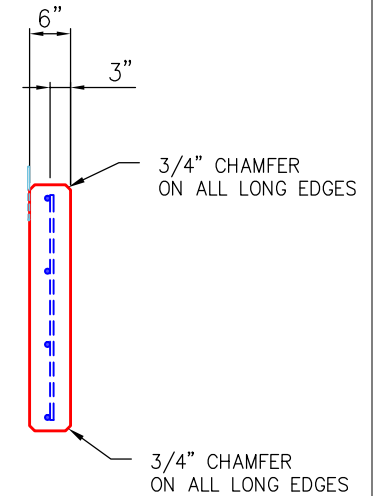
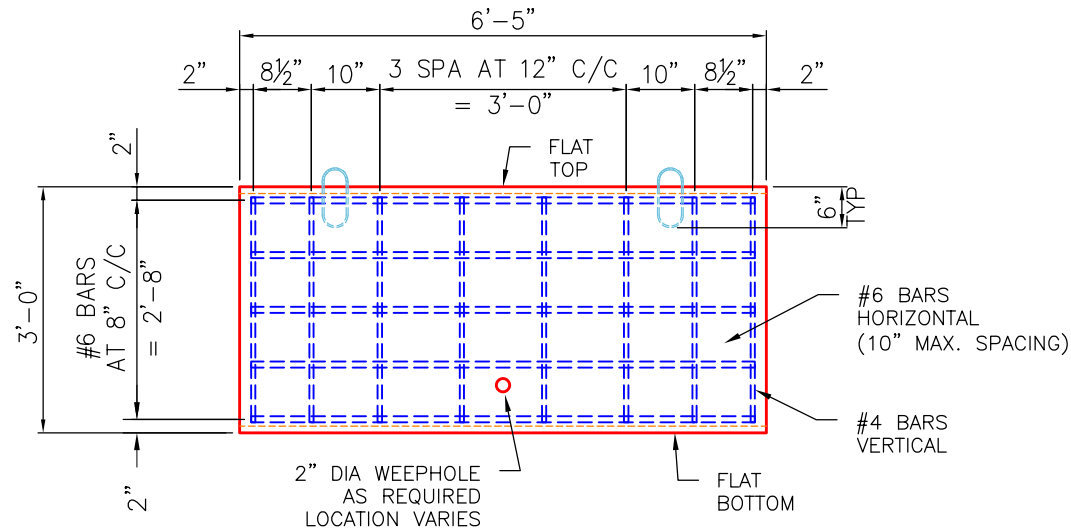
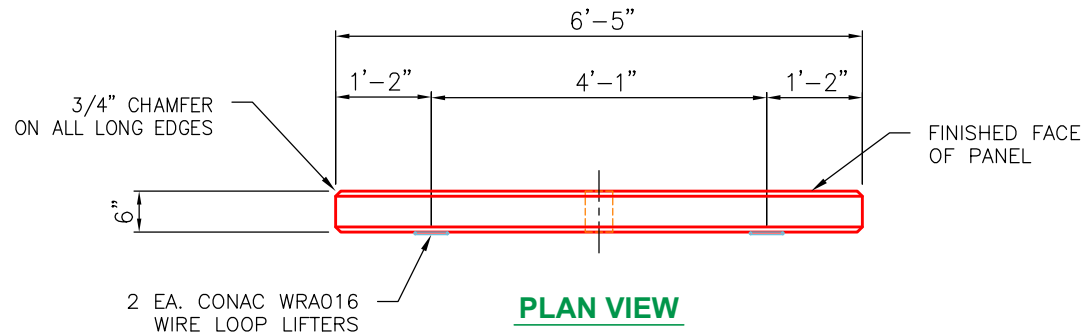
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

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 1:22:06 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P14-P15											
P1 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											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions) Note: See attached typical drawing for reinforcing and lifting details. 											
(P4) (P3) (P2) (P1) <<				INSIDE WALL DIMENSIONS (P1) 6'-5" (77") 36"							



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 1:23:30 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P14-P15											
P2 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	690'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	24"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

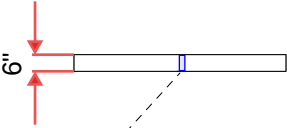
(P4)

(P3)

(P2) <<

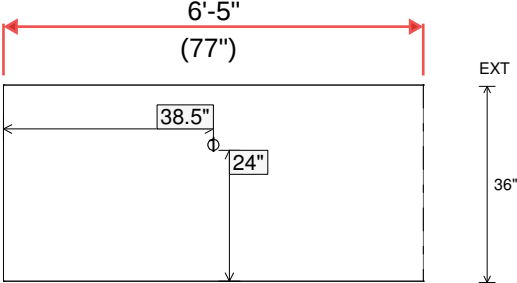
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RIGHT-SIDE UP VIEW (int. dimensions)

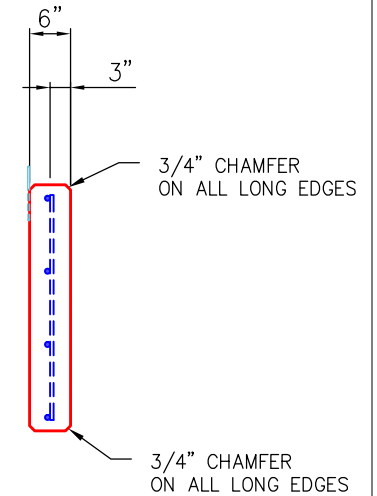
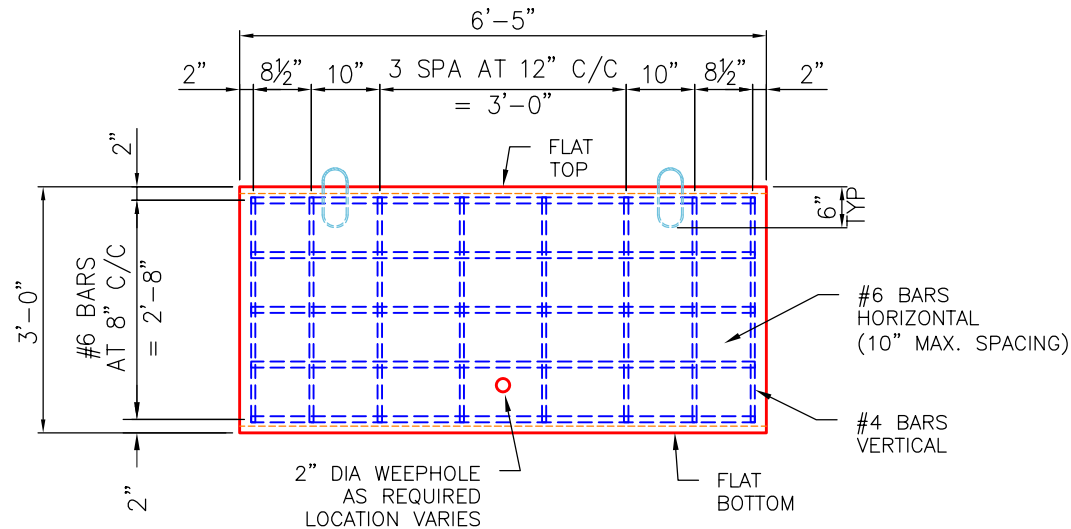
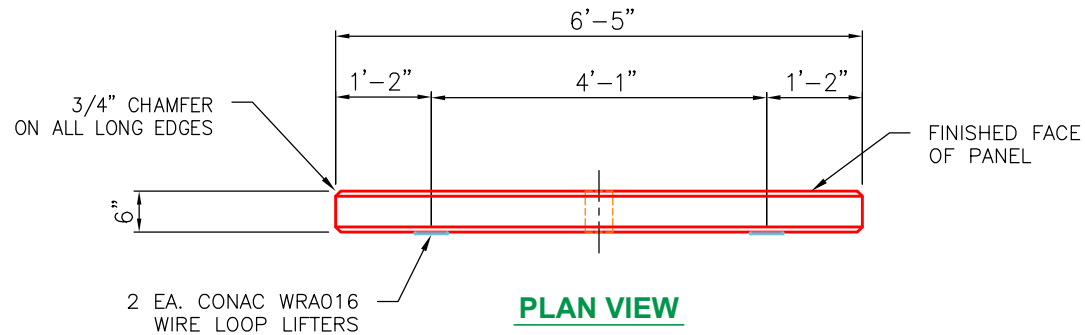


Note:
See attached typical drawing
for reinforcing and lifting details.

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
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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



Weight (Net): 36468 lb
Volume (Net): 9.32cu.yd