

Job Name: 26-1453 Clarksville, TN SPC13A
Job Location: Clarksville, TN
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam

Tech: J. Coppage

4/23/2026 7:30:29 AM

PC: C. Goff



Structure ID: Wet Well-11-11

P5 MH120LD18SCDARED

MH FLAT TOP w/2x 30"x36" Hatches CONBLOCK CDA RED F/G

- P6) 30" x 36" - HATCH (CAST FLUSH) - 0"
P5) 120" - MH FLAT TOP w/2x 30"x36" Hatches CONBLOCK CDA RED F/G - 18"
P4) 120" - MH RISER w/CONBLOCK CDA RED T/G - 84"
P3) 120" - MH RISER w/CONBLOCK CDA RED T/G - 96"
P2) 120" - MH RISER w/CONBLOCK CDA RED T/G - 96"
P1) 120" - MH BASE SLAB w/CONBLOCK CDA RED T/n - 12"
4) JOINT WRAP - 12" WD x 120" MAC WRAP
2) HATCH (Alum.) - HALLIDAY W1S 30"x36"
1) This Structure Includes a Cast-in Item - Halliday W1S 30" x 36" Hatches (Supplied by iCast)
1) ADMIXTURE CONBLOCK CDA RED
4) 120" - Conseal CS-231 1.00" (Double)
2) Z-Lok - C107-3
1) A-Lok - 0285

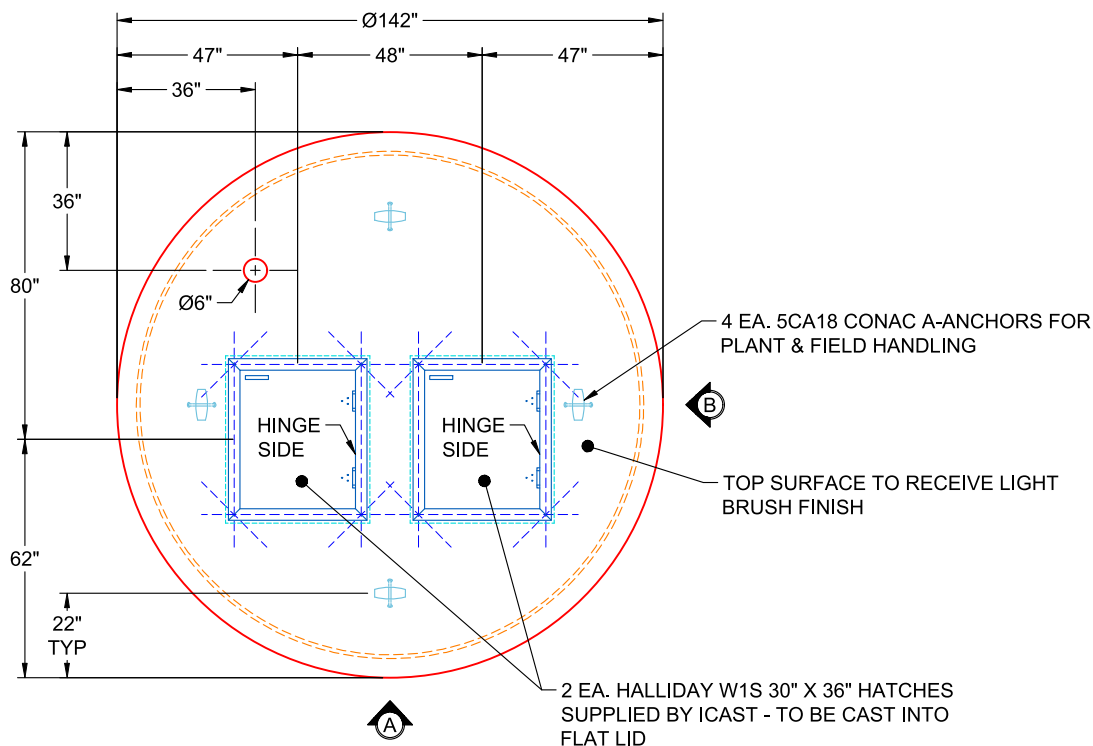
0 lb
15235 lb
31843 lb
36468 lb
36399 lb
22837 lb
0 lb
138 lb
0 lb
0 lb
0 lb
2 lb
1 lb

142923 lb

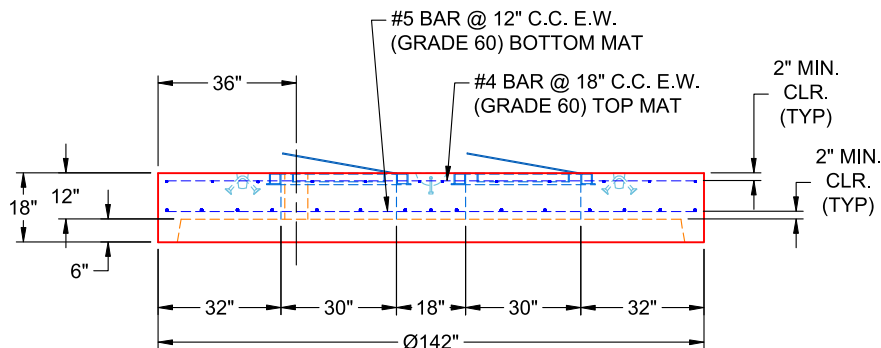
Structure Total:

Structure Notes:

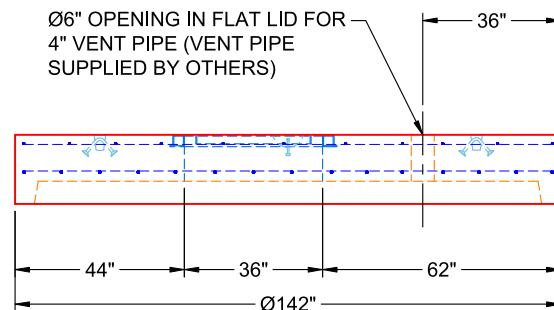
- PER ASTM C-478 SPECIFICATIONS
- CONCRETE: 4,000 PSI AT 28 DAYS
- REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):
 - TOP MAT: #4 BAR @ 18" C.C. E.W. (GRADE 60)
 - BOTTOM MAT: #5 BAR @ 12" C.C. E.W. (GRADE 60)
- CONBLOCK CDA RED ADMIXTURE REQUIRED
- 2 EA. HALLIDAY W1S 30" X 36" HATCHES SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID
- VENT PIPE SUPPLIED BY OTHERS
- LIFTERS: 4 EA. 5CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
- TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH



**PLAN VIEW
(RIGHT SIDE UP)**



**VIEW A
(RIGHT SIDE UP)**



**VIEW B
(RIGHT SIDE UP)**

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 11"

Height (Ext): 18"

Weight (Net): 15235 lb
Volume (Net): 3.89cu.yd

Job Number:

26-1453

Job Name:

SPC13A

Structure:

Wet Well-11-11

Note:

2 Each Halliday W1S 30" x 36"

Hatches Supplied By iCast To Be
Cast Into Flat Lid

Job Name: 26-2457 884687 Mantra Journey
Job Location: Bardstown, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam
6/3/2026 1:43:43 PM

Tech: S. Felletter
PC: C. Goff



Structure ID: 10-CS-3

P1 MH036BA60

MH BASE T/n

P3) 30" - CASTING HEIGHT - 4"
P2) 36" - MH FLAT LID w/30in ECC Hole F/G - 10"
P1) 36" - MH BASE T/n - 60"
1) CVSTENCILING
1) ASSEMBLY REQUIRED
1) 36" - Conseal CS-102 1.00"
2) Hole - 12

0 lb
683 lb
3207 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 3890 lb

Structure Notes:
4" CASTING BY OTHERS

LIFT ANCHORS TO BE INSTALLED
ON THE OUTSIDE OF THE STRUCTURE

ICAST TO INSTALL THE INTERNALS

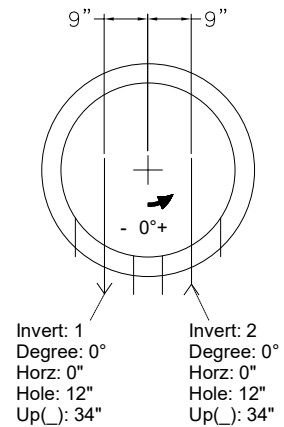
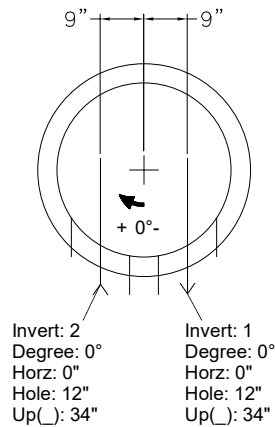
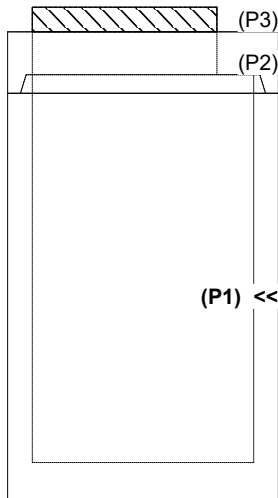
CONTECH'S LOGO AS WELL AS THE
INLET AND OUTLET MUST BE
STENCILED ONTO THE STRUCTURE

Rim: 696.8' Rim to Invert: 3.9' Slack: 8.8" Sump: 36" Step Position:

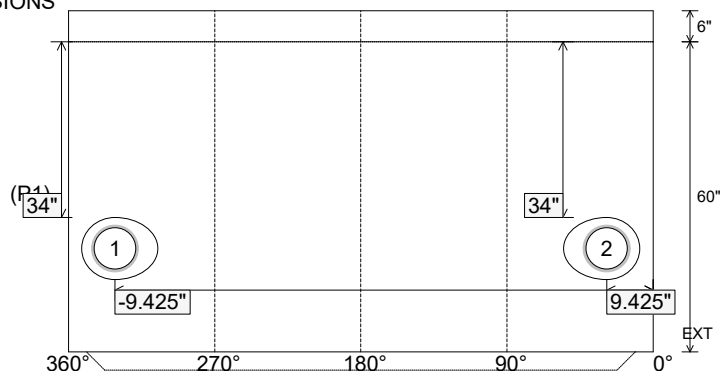
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	692.9'	0°	-9.272"	8" HDPE	9.1"	Hole 12	12"	14.718"	34"	-9"
Invert 2	692.9'	0°	9.272"	8" HDPE	9.1"	Hole 12	12"	14.718"	34"	9"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
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: 4"
Floor Height: 6"

Height (Int): 60"
Height (Ext): 66"

Weight (Net): 3207 lb
Volume (Net): 0.82cu.yd

Job Name: 26-2447 ADS West Wilson Middle
Job Location: Mt Juliet, TN
Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam
6/3/2026 2:24:13 PM

Tech: S. Felletter
PC: T. Ryan



Structure ID: QL1

P4 MH048LD12CC

MH FLAT LID w/24" Center Hole F/G

- P5) 24" - CASTING HEIGHT - 7"
P4) 48" - MH FLAT LID w/24" Center Hole F/G - 12"
P3) 48" - MH RISER Custom Ht T/G - 50"
P2) 48" - MH RISER T/G - 36"
P1) 48" - MH BASE T/h - 18"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ASSEMBLY REQUIRED
1) CASTING - HOE MC-375 F/C Storm
3) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) Hole - 20

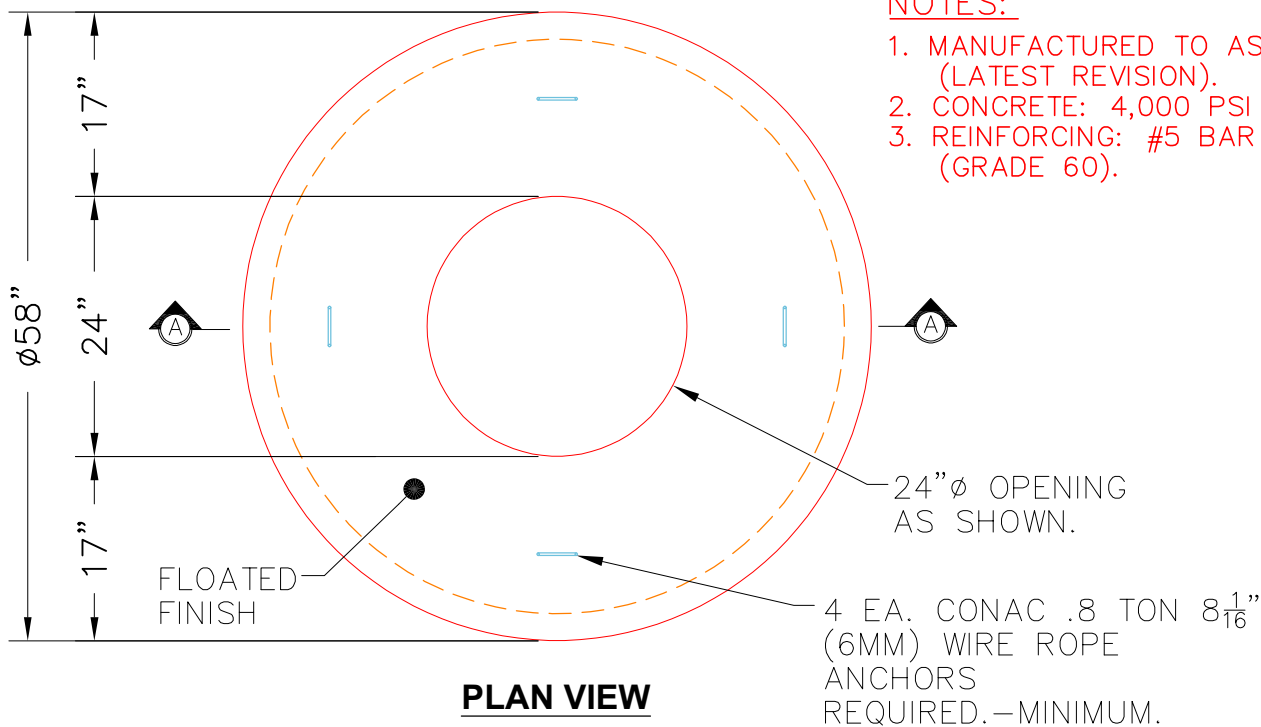
0 lb
1580 lb
3222 lb
2515 lb
2588 lb
0 lb
0 lb
0 lb
271 lb
0 lb
0 lb
0 lb

Structure Total:

10176 lb

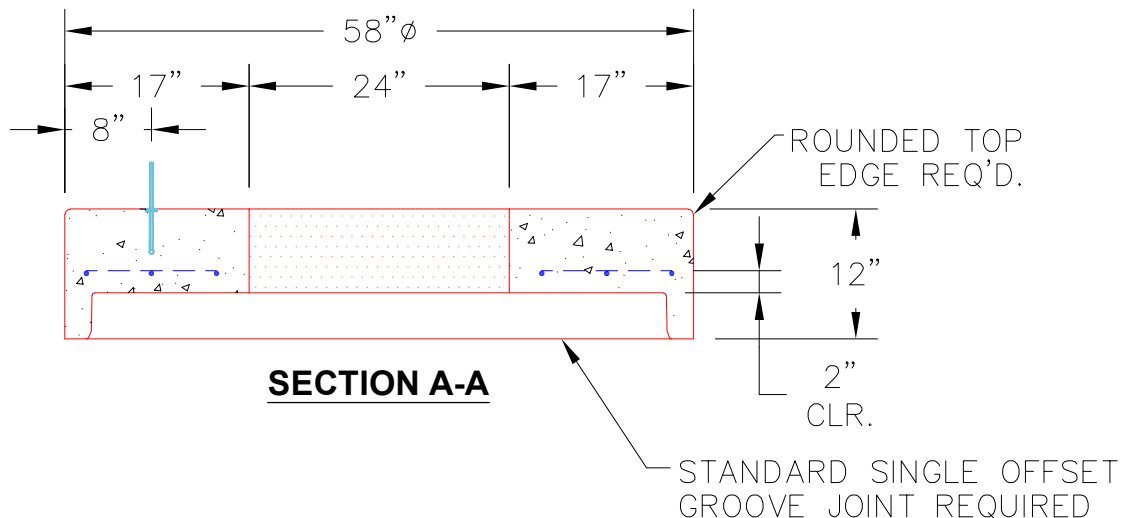
Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-375 F/C "STORM").
 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.
 5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INTERNAL INSTALLATION/DELIVERY.
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

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



Coating (Int):
Coating (Ext):

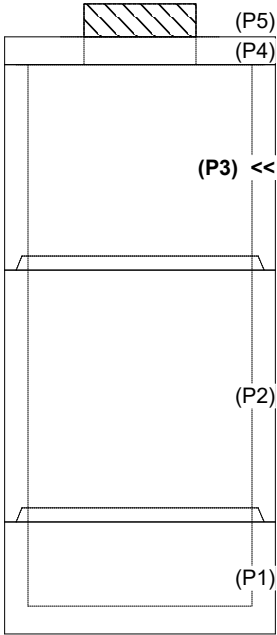
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

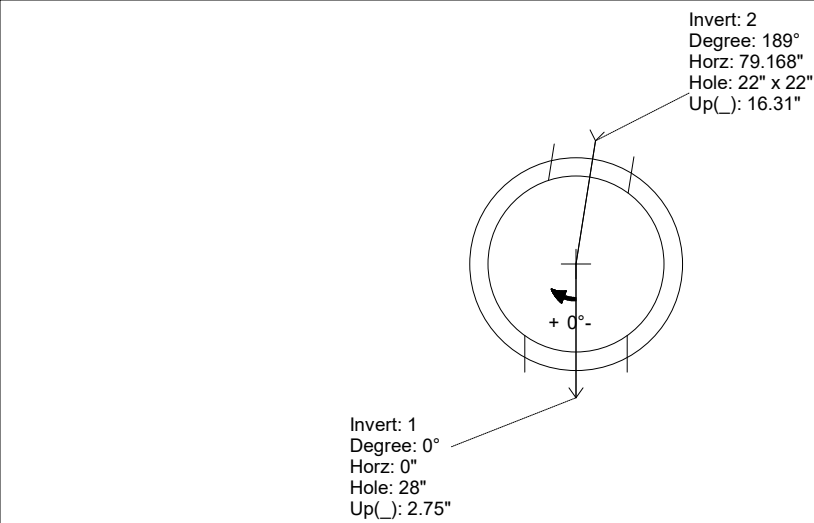
Height (Ext): 12"

Weight (Net): 1580 lb
Volume (Net): 0.39cu.yd

Job Name: 26-2402 ADS UK Johnson Center Job Location: Lexington, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 6/3/2026 2:12:00 PM		Tech: PC: T. Ryan				
Structure ID: DS31											
P3 MH048RSVF		MH RISER Custom Ht F/G									
P5) 24" - CASTING HEIGHT - 7" P4) 48" - MH FLAT TOP SPEC. HT. (6") w/24" Hole CC F/F - 6" P3) 48" - MH RISER Custom Ht F/G - 44" P2) 48" - MH RISER T/G - 54" P1) 48" - MH BASE T/h - 18" 1) ASSEMBLY REQUIRED 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) CASTING - HOE MCB-375-B F/Bar Grt 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) Hole - 28 1) DOGHOUSE INVRTD - 22"x22"					0 lb 1102 lb 2600 lb 3772 lb 2588 lb 0 lb 0 lb 0 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- 10313 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MCB-375-B F/BAR GRT). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. 5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INTERNAL INSTALLATION/DELIVERY. 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: 992.4'		Rim to Invert: 4'		Slack: 0"		Sump: 81"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector		Hole	Horz Size	Up ()	Offset
Invert 1	988.4'	0°	0"	24" PVC SDR35	24.75"	Hole 28		28"	29.896"	2.75"	0"
Invert 2	989.53'	189°	95.661"	18" PVC SDR35	18.75"	DOGHOUSE INVRTD 22"x22"		22" x 22"	22.854"	16.31"	0"
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



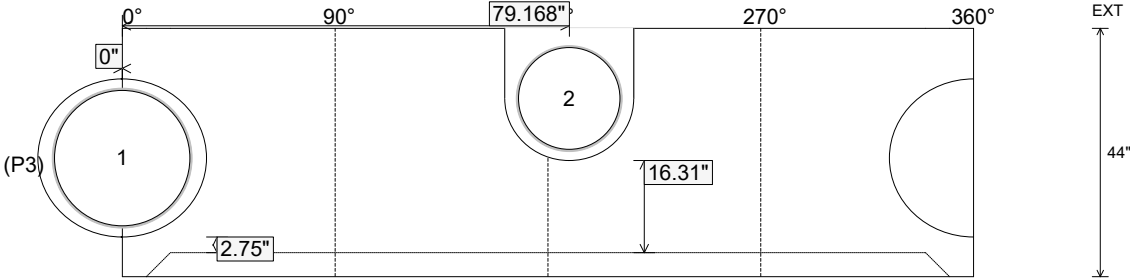
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 189°
Horz: 79.168"
Hole: 22" x 22"
Up(): 16.31"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 28"
Up(): 2.75"

INSIDE WALL DIMENSIONS



0° 90° 79.168" 270° 360°

0" 2.75" 16.31" 44" EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 44" Height (Ext): 44"	Weight (Net): 2600 lb Volume (Net): 0.66cu.yd
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Job Name: 26-2447 ADS West Wilson Middle

Job Location: Mt Juliet, TN

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

6/4/2026 9:27:36 AM

Tech: S. Felletter

PC: T. Ryan



Structure ID: QL1

P3MH048RSVF

MH RISER Custom Ht T/G

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - MH FLAT LID w/24" Center Hole F/G - 12"

P3) 48" - MH RISER Custom Ht T/G - 50"

P2) 48" - MH RISER T/G - 36"

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

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

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

1) ASSEMBLY REQUIRED

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

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

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

2) Hole - 20

0 lb

1580 lb

3222 lb

2515 lb

2588 lb

0 lb

0 lb

0 lb

271 lb

0 lb

0 lb

0 lb

10176 lb

Structure Total:

10176 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

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

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

5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INTERNAL INSTALLATION/DELIVERY.

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .12)

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

Rim: 553.9'

Rim to Invert: 3.55'

Slack: 0.6"

Sump: 81"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌵)	Offset
Invert 1	550.35'	90°	45.553"	16" PVC C900	17.4"	Hole 20	20"	20.629"	20.75"	0"
Invert 2	550.35'	270°	136.659"	16" PVC C900	17.4"	Hole 20	20"	20.629"	20.75"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P5)

(P4)

(P3) <<

(P2)

(P1)

Invert: 1

Degree: 90°

Horz: 37.699"

Hole: 20"

Up(⌵): 20.75"

Invert: 2

Degree: 270°

Horz: 113.097"

Hole: 20"

Up(⌵): 20.75"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

37.699"

113.097"

1

2

20.75"

20.75"

EXT

50"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

Floor Height: 0"

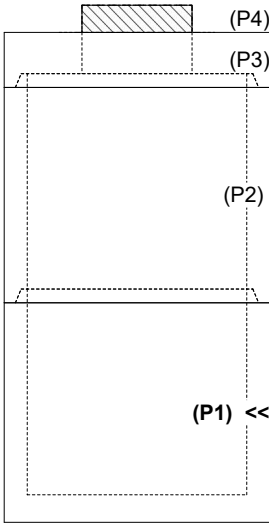
Height (Int): 50"

Height (Ext): 50"

Weight (Net): 3222 lb

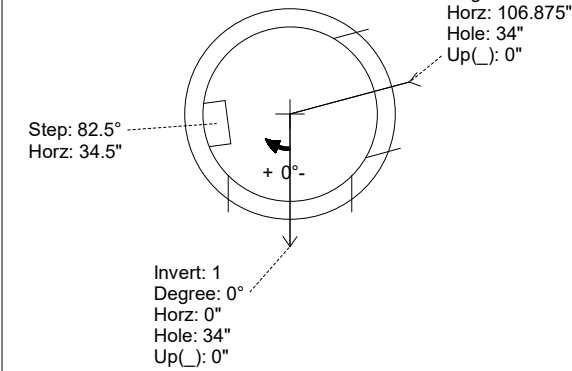
Volume (Net): 0.82cu.yd

Job Name: 25-2898 - Hunter's Ridge Ph.1 Job Location: Owensboro, KY Contractor: Ernie Davis & Sons Mechanical, Inc.					Plant: 100 5/29/2026 8:44:15 AM		Tech: Jared - A PC: A. Chambers				
Structure ID: BA-2 - BB-1											
P1 MH048BA42 MH BASE T/n											
P4) 24" x 36" - CASTING HEIGHT - 6" P3) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P2) 48" - MH RISER Custom Ht T/G - 47" P1) 48" - MH BASE T/n - 42" 2) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 34 1) Hole - 22 7) MH Step ML-10-TDS-NCR - 10"						0 lb 1300 lb 3119 lb 3434 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 7853 lb		Structures Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STORM INVERT 5. STEPS AT 82.5 DEGREES 6. HOE-525 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS			
Rim: 428.19' Rim to Invert: 8.74' Slack: 0.88' Sump: 3" Step Position: 82.5°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	419.45'	0°	0"	24" RCP B WALL	30"	Hole 34	34"	37.782"	0"	0"	
Invert 2											
Invert 3	419.45'	255°	129.125"	24" RCP B WALL	30"	Hole 34	34"	37.782"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)

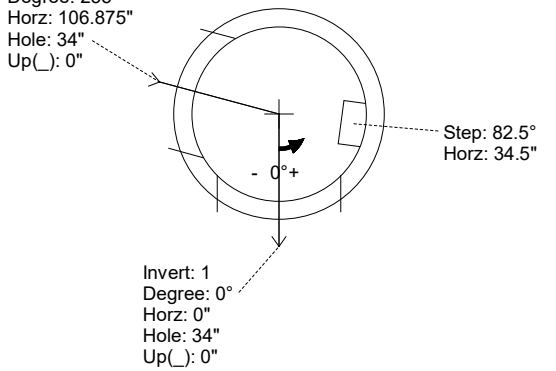


Invert: 3
Degree: 255°
Horz: 106.875"
Hole: 34"
Up(): 0"

Step: 82.5°
Horz: 34.5"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 34"
Up(): 0"

UPSIDE-DOWN VIEW (int. dimensions)

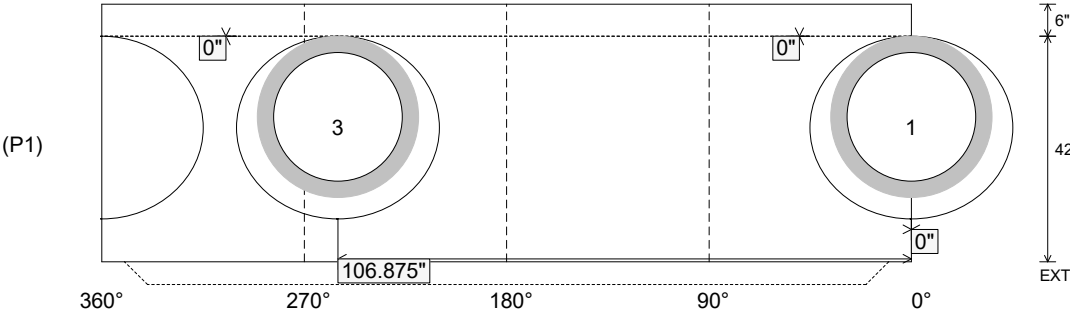


Invert: 3
Degree: 255°
Horz: 106.875"
Hole: 34"
Up(): 0"

Step: 82.5°
Horz: 34.5"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 34"
Up(): 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

106.875"

42"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 3434 lb Volume (Net): 0.88cu.yd
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Job Name: 25-2898 - Hunter's Ridge Ph.1 Job Location: Owensboro, KY Contractor: Ernie Davis & Sons Mechanical, Inc.					Plant: 100		Tech: Jared - A			
					5/29/2026 8:45:16 AM		PC: A. Chambers			
Structure ID: BA-2 - BB-1										
P2 MH048RSVF			MH RISER Custom Ht T/G							
P4) 24" x 36" - CASTING HEIGHT - 6" P3) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P2) 48" - MH RISER Custom Ht T/G - 47" P1) 48" - MH BASE T/n - 42" 2) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 34 1) Hole - 22 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1300 lb 3119 lb 3434 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 7853 lb		Structures Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 82.5 DEGREES 5. HOE-525 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS			
Rim: 428.19' Rim to Invert: 8.74' Slack: 0.88" Sump: 3" Step Position: 82.5°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2	423.59'	165°	83.5"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	4.125"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

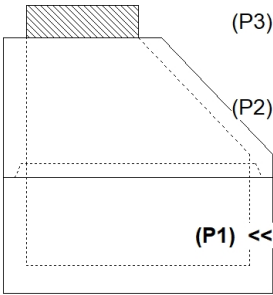
INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 47" Height (Ext): 47"	Weight (Net): 3119 lb Volume (Net): 0.8cu.yd
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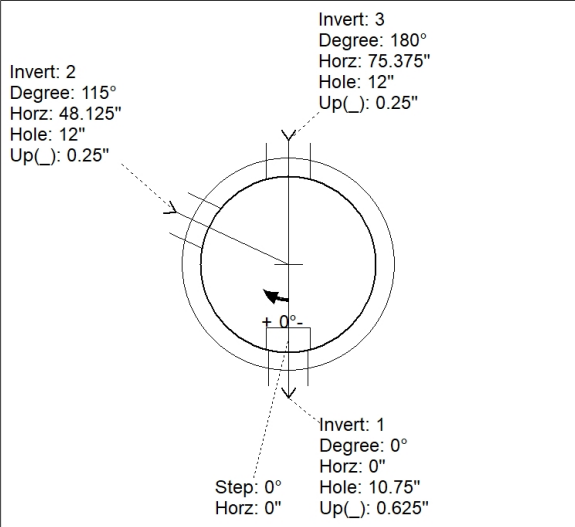


Weight (Net): 3798 lb
Volume (Net): 0.97cu.yd

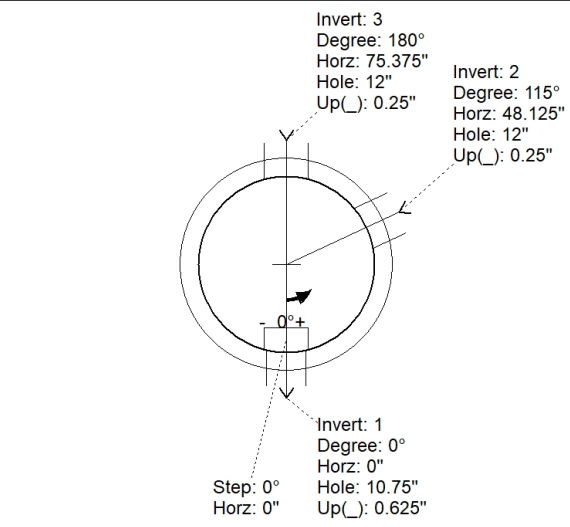
Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:29 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: SSMH BB-4											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE Custom Ht T/n - 19" 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-350 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) Quik-Lok - QL-08-C 2) PSX - 12-06 NYLO 4) MH Step ML-10-TDS-NCR - 10"					0 lb 2050 lb 2523 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 1 lb 16 lb 0 lb ----- Structure Total: 6335 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 896' Rim to Invert: 4.5' Slack: 0" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	891.5'	0°	0"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	0.625"	0"	
Invert 2	891.6'	115°	58.25"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"	
Invert 3	891.6'	180°	91.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



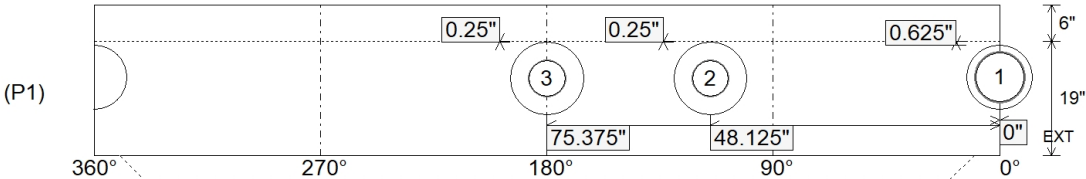
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

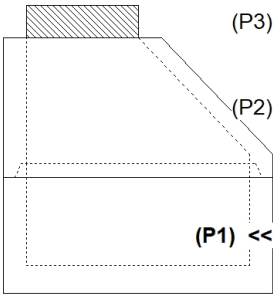


INSIDE WALL DIMENSIONS

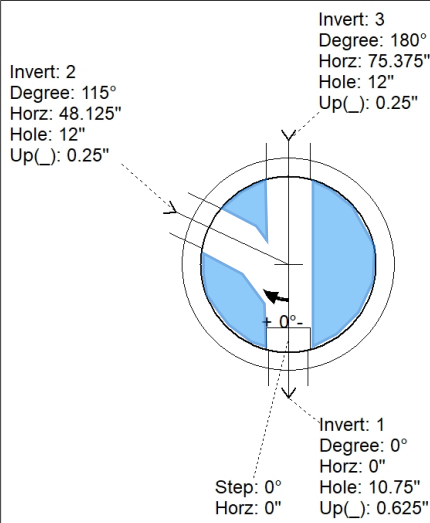


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 19" Height (Ext): 25"	Weight (Net): 2523 lb Volume (Net): 0.64cu.yd
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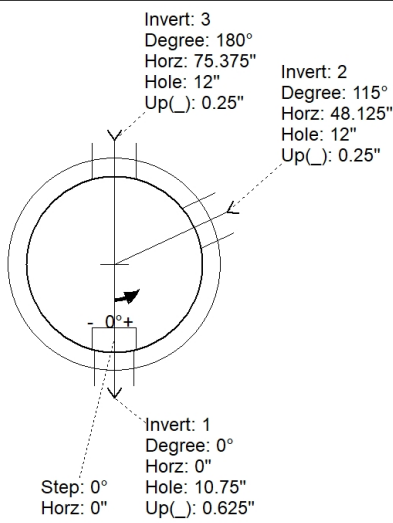
Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:29 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: SSMH BB-4											
P1A MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 30" P1) 48" - MH BASE Custom Ht T/n - 19" 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-350 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) Quik-Lok - QL-08-C 2) PSX - 12-06 NYLO 4) MH Step ML-10-TDS-NCR - 10"					0 lb 2050 lb 2523 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 1 lb 16 lb 0 lb ----- Structure Total: 6335 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 896' Rim to Invert: 4.5' Slack: 0" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	891.5'	0°	0"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	0.625"	0"	
Invert 2	891.6'	115°	58.25"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"	
Invert 3	891.6'	180°	91.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

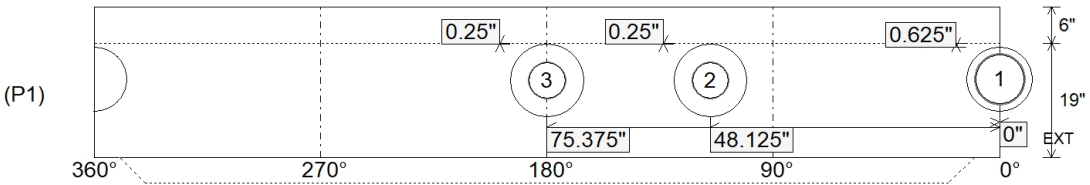


UPSIDE-DOWN VIEW (int. dimensions)



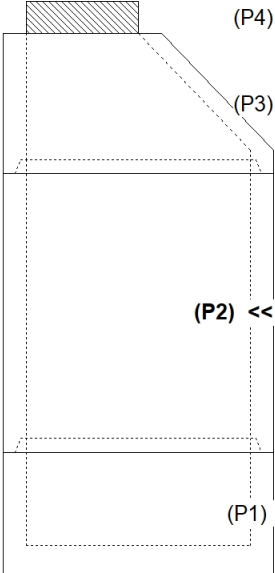
FOR INVERT ONLY

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 19" Height (Ext): 25"	Weight (Net): 2523 lb Volume (Net): 0.64cu.yd
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Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 1:01:06 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: SSMH BB-2-DROP											
P2		MH048RS60S-D		MH RISER w/DROP T/G							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER w/DROP T/G - 60" P1) 48" - MH BASE w/DROP Custom Ht T/n - 20" 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-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 10) MH Step ML-10-TDS-NCR - 10"					0 lb 2050 lb 4168 lb 3774 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 8 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 862.85' Rim to Invert: 9.65' Slack: 0.8" Sump: 2" Step Position: 0°					Structure Total: 11745 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2	858.2'	180°	91.125"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.545"	37.5"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



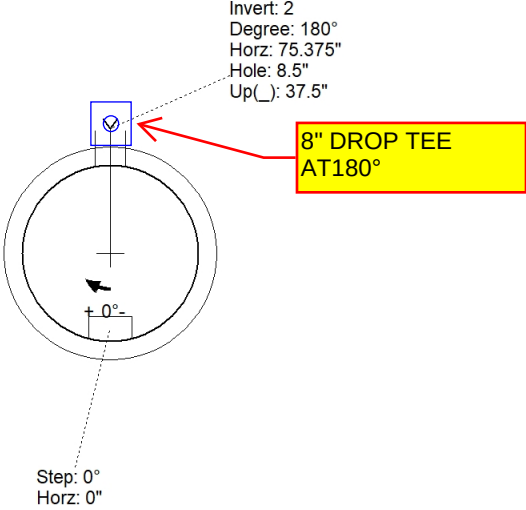
(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

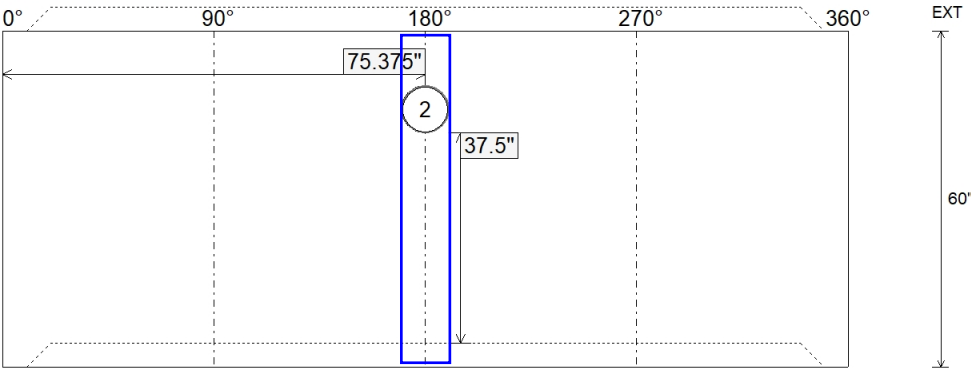


Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 8.5"
Up(): 37.5"

8" DROP TEE AT180°

Step: 0°
Horz: 0°

INSIDE WALL DIMENSIONS



0° 90° 180° 270° 360°

75.375"

2

37.5"

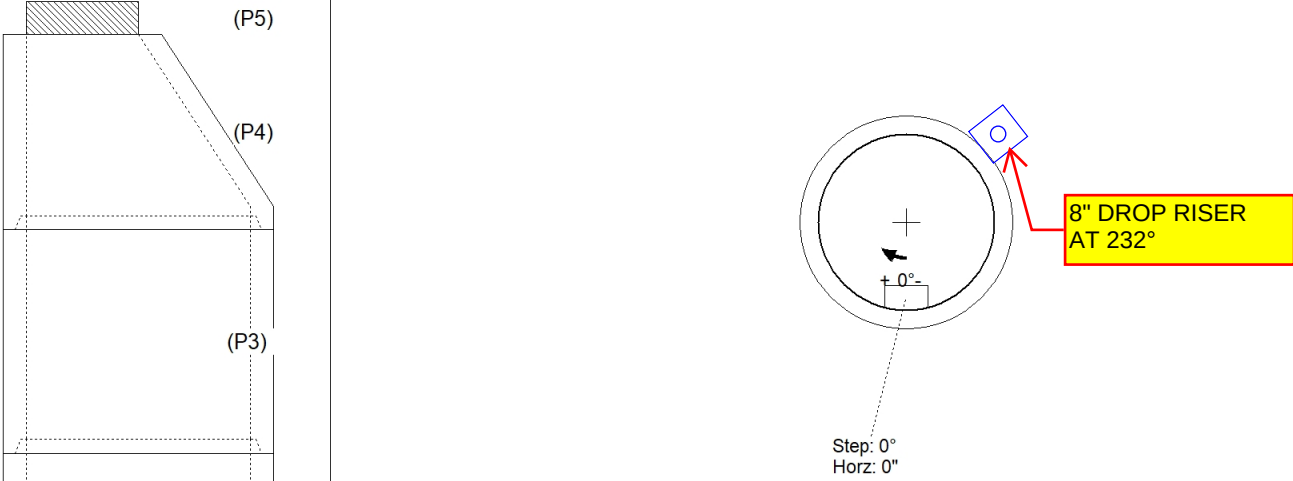
60"

EXT

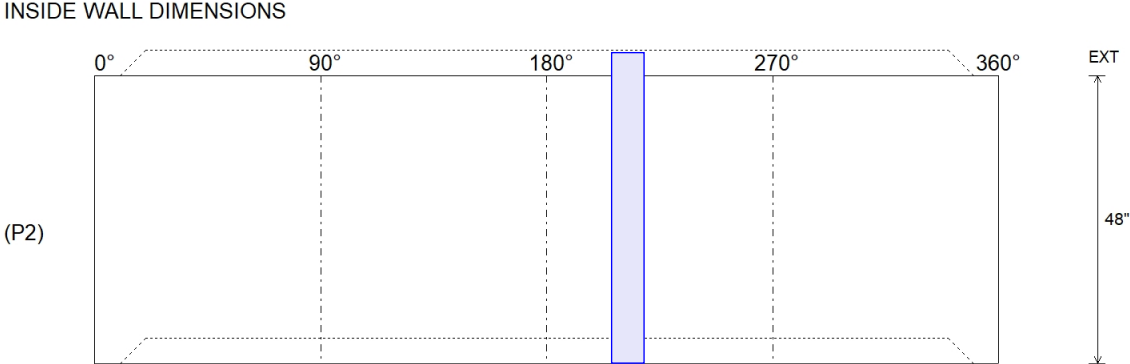
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 60" Height (Ext): 60"	Weight (Net): 4168 lb Volume (Net): 1.06cu.yd
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Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 1:01:05 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: SSMH BB-1-DROP											
P2 MH048RS48S-D			MH RISER w/DROP T/G								
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC CONE w/ 24" HOLE F/G - 42" P3) 48" - MH RISER w/DROP T/G - 48" P2) 48" - MH RISER w/DROP T/G - 48" P1) 48" - MH BASE w/DROP Custom Ht T/n - 25" 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-350 F/C Sanitary 3) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 14) MH Step ML-10-TDS-NCR - 10"					0 lb 3200 lb 3329 lb 3353 lb 4291 lb 1440 lb 0 lb 0 lb 305 lb 0 lb 16 lb 0 lb 0 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-350 F/C) SHIPPED LOOSE. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Structure Total: 15935 lb											
Rim: 858'		Rim to Invert: 14.02'		Slack: 0.24"		Sump: 2"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 48" Height (Ext): 48"	Weight (Net): 3353 lb Volume (Net): 0.86cu.yd
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Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2 Job Location: Danville, KY Contractor: Hubert Excavating & Contracting				Plant: 100 6/7/2026 1:24:48 PM		Tech: J. Horsley PC: C. Goff				
Structure ID: MH A11										
P1		MH060BAEVF		MH BASE w/FLANGE (08F/07EF) w/Coating T/n						
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER SPECIAL w/COATING T/G - 60" P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 56" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 2) JOINT WRAP - 12" WD x 060" MAC WRAP 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) SECONDARY POUR - Extended Flange 2) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 1) PSX - 8QRS-S NYLO 9) MH Step ML-10-TDS-NCR - 10" 245.92 SqFt) Carboline Bitumastic 300M [EXT] <td colspan="2"> 0 lb 2869 lb 6238 lb 8813 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 2 lb 6 lb 0 lb 0 lb Structure Total: 20621 lb </td> <td colspan="5"> Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 278.5 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS </td>				0 lb 2869 lb 6238 lb 8813 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 2 lb 6 lb 0 lb 0 lb Structure Total: 20621 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 278.5 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS				
Rim: 900.6' Rim to Invert: 11.165' Slack: 0.195' Sump: 2.215' Step Position: 278.5°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	889.435'	0°	0"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0"	0"
Invert 2	889.485'	197°	123.75"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0.625"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2

Degree: 197°

Horz: 103.125"

Hole: 33.5"

Up(): 0.625"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 33.5"

Up(): 0"

Step: 278.5°

Horz: 145.875"

(P4)

(P3)

(P2)

(P1) <<

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS

0.625"

0"

103.125"

0"

8"

56"

360°

270°

180°

90°

0°

EXT

Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 56" Height (Ext): 64"	Weight (Net): 8813 lb Volume (Net): 2.25cu.yd
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Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A11

Note:

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

Job Name: 25-4508 - Georgetown Commons Target
Job Location: Georgetown, KY
Contractor: Winwater Hartford KY Co.

Plant: 100

5/28/2026 11:26:54 AM

Tech: Jared - F
PC: A. Chambers



Structure ID: 10 (13)

P2 MH060LD13-24X36RECT

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

P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 60" - MH FLAT TOP w/24"x36" Hole F/G - 13"
P1) 60" - MH BASE Custom Ht T/n - 55"
1) CASTING - HOE 470 SET LV (F/G/H)
1) 60" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 38

0 lb
3499 lb
7255 lb
394 lb
0 lb
0 lb
0 lb

0 lb

Structure Total:

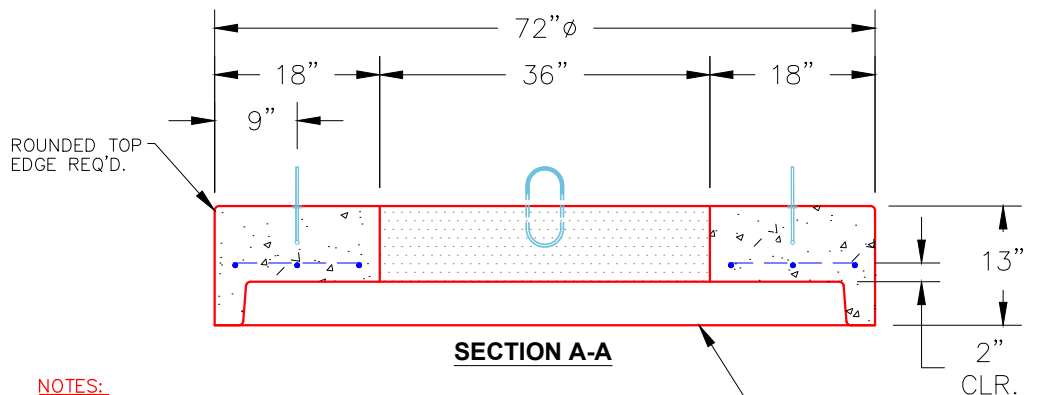
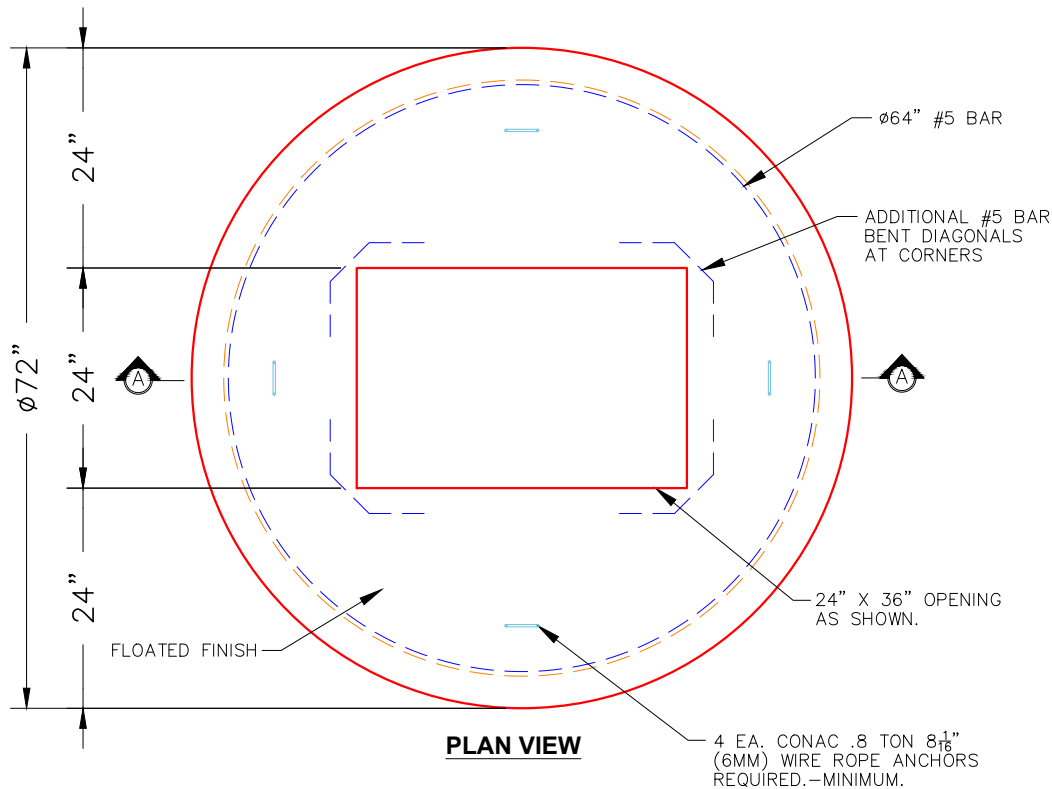
11148 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL..
4. CASTING BY ICAST (HOE 470 SET LV (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).

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



NOTES:

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

Coating (Int):
Coating (Ext):

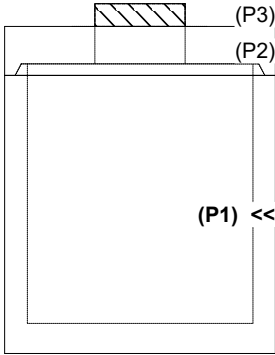
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

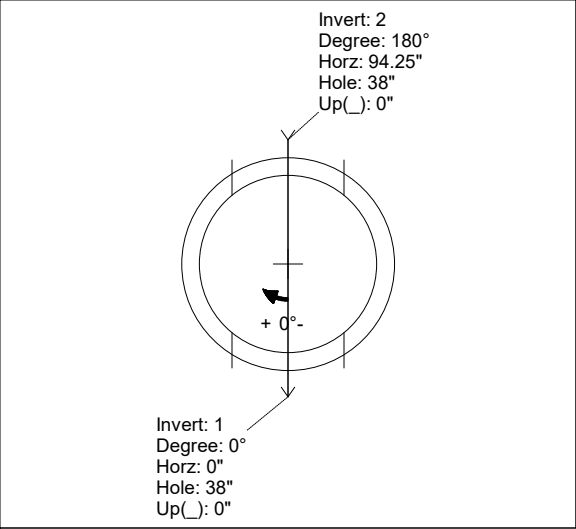
Weight (Net): 3499 lb
Volume (Net): 0.89cu.yd

Job Name: 25-4508 - Georgetown Commons Target Job Location: Georgetown, KY Contractor: Winwater Hartford KY Co.					Plant: 100 5/28/2026 11:25:33 AM		Tech: Jared - F PC: A. Chambers				
Structure ID: 12 (15)											
P1		MH060BA66		MH BASE T/n							
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 60" - MH FLAT TOP w/24"x36" Hole F/G - 13" P1) 60" - MH BASE T/n - 66" 1) CASTING - HOE 470 SET LV (F/G/H) 1) 60" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 38						0 lb 3499 lb 8403 lb 394 lb 0 lb 0 lb 0 lb ----- 12296 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 470 SET LV (F/G/H)). 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: 871'		Rim to Invert: 6.9'		Slack: 0.35"		Sump: 2.55"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	864.1'	0°	0"	30" HDPE	35.1"	Hole 38	38"	41.151"	0"	0"	
Invert 2	864.1'	180°	113.125"	30" HDPE	35.1"	Hole 38	38"	41.151"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

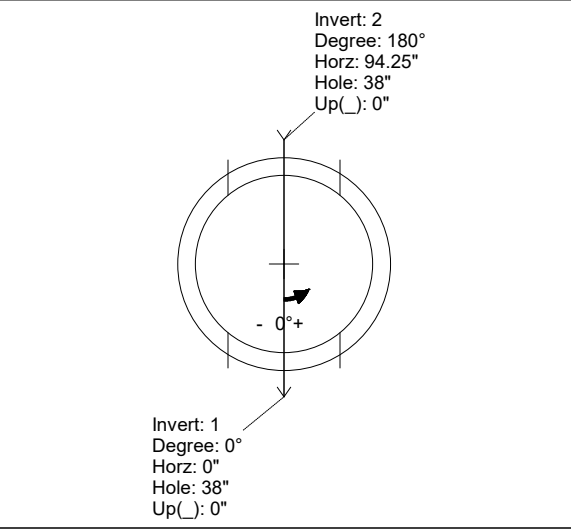


(P1) <<

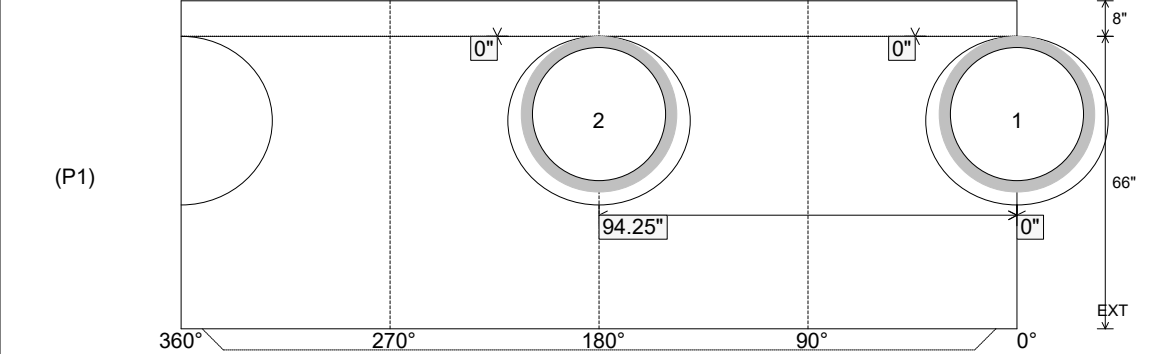
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 66" Height (Ext): 74"	Weight (Net): 8403 lb Volume (Net): 2.15cu.yd
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Job Name: 25-4488 - WVDOT Wood Co NHPP-0068(192)
Job Location: Parkersburg, WV
Contractor: Triton Construction

Plant: 100

3/26/2026 1:44:55 PM

Tech: Jared - F

PC: E. Bradley

Structure ID: MH-05

P3 MH060LD13

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

- P4) 24" - CASTING HEIGHT - 8.85"
P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"
P2) 60" - MH RISER T/G - 24"
P1) 60" - MH BASE Custom Ht T/n - 55"
1) CASTING - NEENAH R-1785 (F/C)
2) 60" - Con Seal CS-102 1.00"
1) Hole - 38
1) Hole - 40
7) MH Step ML-10-TDS-NCR - 10"

Structure Total:

0 lb
2869 lb
2505 lb
7183 lb
294 lb
0 lb
0 lb
0 lb
0 lb
12852 lb

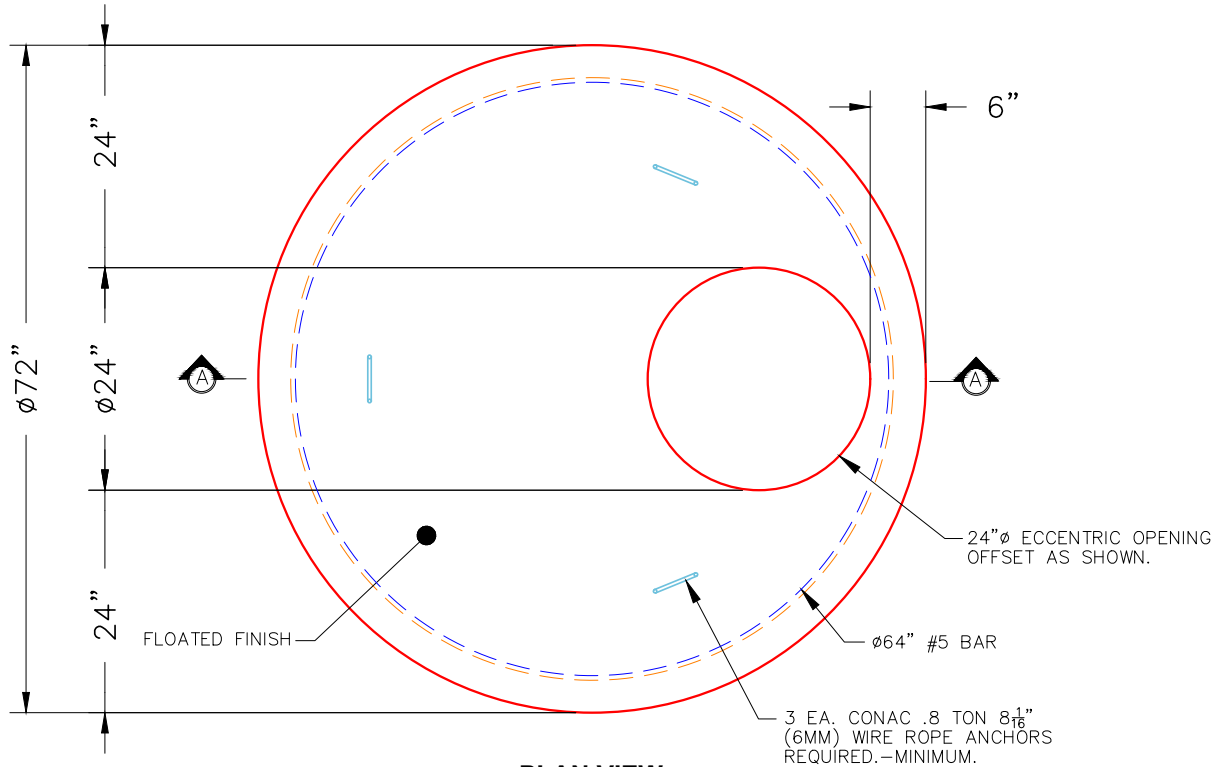
Structure Notes:

WVDOT STATE PROJECT

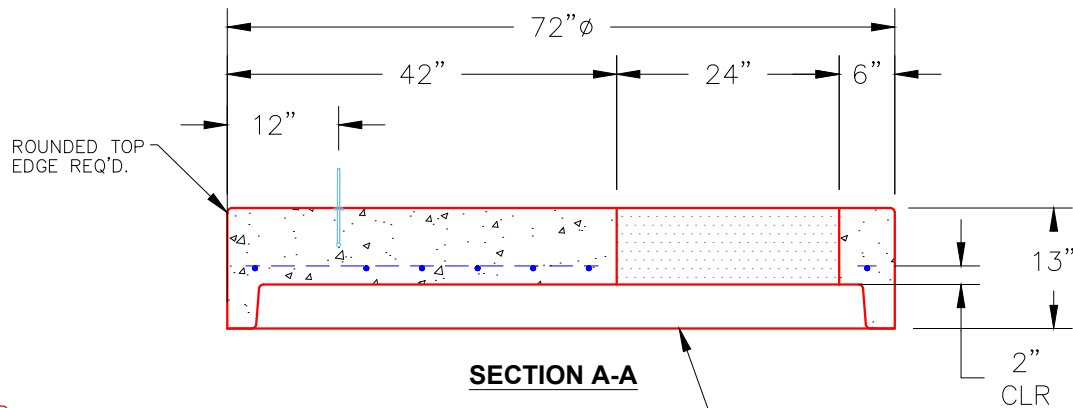
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. INVERT CHANNEL (BY OTHERS).
4. CASTING BY I-CAST (NEENAH R-1785 (F/C)).

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.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

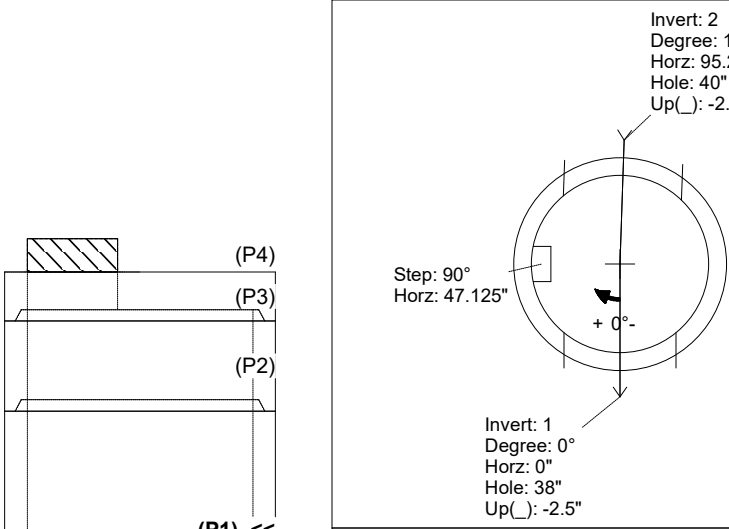
Wall Thickness: 6"

Height (Ext): 13"

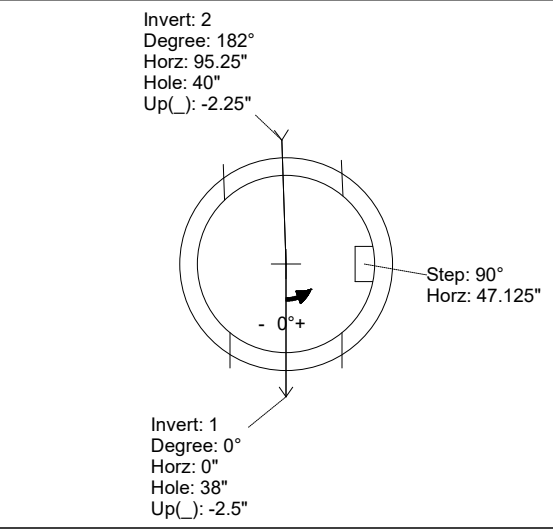
Weight (Net): 2869 lb
Volume (Net): 0.73cu.yd

Job Name: 25-4488 - WVDOT Wood Co NHPP-0068(192) Job Location: Parkersburg, WV Contractor: Triton Construction					Plant: 100 3/26/2026 1:41:42 PM		Tech: Jared - F PC: E. Bradley				
Structure ID: MH-05											
P1		MH060BAVF		MH BASE Custom Ht T/n							
P4) 24" - CASTING HEIGHT - 8.85" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER T/G - 24" P1) 60" - MH BASE Custom Ht T/n - 55" 1) CASTING - NEENAH R-1785 (F/C) 2) 60" - Conseal CS-102 1.00" 1) Hole - 38 1) Hole - 40 7) MH Step ML-10-TDS-NCR - 10"					0 lb 2869 lb 2505 lb 7183 lb 294 lb 0 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: **WVDOT STATE PROJECT** 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. INVERT CHANNEL (BY OTHERS). 4. CASTING BY I-CAST (NEENAH R-1785 (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.				
Structure Total: 12852 lb											
Rim: 603.25' Rim to Invert: 8.45' Slack: 0.55' Sump: 0" Step Position: 90											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	594.8'	0°	0"	30" HDPE	35.1"	Hole 38	38"	41.151"	-2.5"	0"	
Invert 2	594.9'	182°	114.375"	30" RCP B WALL	37"	Hole 40	40"	43.784"	-2.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

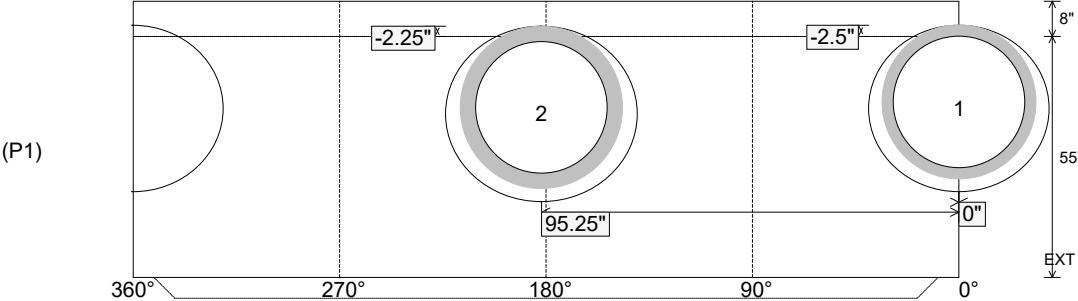
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 55" Height (Ext): 63"	Weight (Net): 7183 lb Volume (Net): 1.84cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2 Job Location: Danville, KY Contractor: Hubert Excavating & Contracting					Plant: 100 6/7/2026 1:24:46 PM		Tech: J. Horsley PC: C. Goff				
Structure ID: MH A9											
P1		MH072BAEVF		MH BASE w/FLANGE (08F/07EF) w/Coating T/n							
P5) 24" - CASTING HEIGHT - 7" P4) 72" - MH FLAT TOP SPECIAL F/G - 15" P3) 72" - MH RISER SPECIAL w/COATING T/G - 72" P2) 72" - MH RISER w/COATING T/G - 72" P1) 72" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 43" 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) 72" - MH INVERT CHANNEL - FULL HEIGHT 3) JOINT WRAP - 12" WD x 072" MAC WRAP 1) SECONDARY POUR - Extended Flange 3) 72" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 2) Kor-N-Seal2 - S206-28 15) MH Step ML-10-TDS-NCR - 10" 436.79 SqFt) Carboline Bitumastic 300M [EXT] 0 lb 5254 lb 10126 lb 10496 lb 10101 lb 0 lb 5422 lb 0 lb 0 lb 0 lb 0 lb 2 lb 13 lb 0 lb 0 lb Structure Total: 41414 lb Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 90 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS 8. EXTERIOR DROP ASSEMBLY AT INVERTS 3 & 4 BY OTHERS - ICAST TO SUPPLY OPENINGS & BOOTS											

(P5)

(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

FIRST POUR (BASE):
8,728 LBS

SECOND POUR (EXT. FLANGE):
1,373 LBS

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 180°
Horz: 113.125"
Hole: 33.5"
Up(): 0.625"

Invert: 3
Degree: 245°
Horz: 154"
Hole: 28"
Up(): 6.25"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 33.5"
Up(): 0"

Step: 90°
Horz: 56.5"

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

6.25"

0.625"

0"

113.125"

154"

8"

43"

EXT

Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 7" Floor Height: 8"	Height (Int): 43" Height (Ext): 51"	Weight (Net): 10101 lb Volume (Net): 2.58cu.yd
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Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2 Job Location: Danville, KY Contractor: Hubert Excavating & Contracting					Plant: 100 6/7/2026 1:24:46 PM		Tech: J. Horsley PC: C. Goff				
Structure ID: MH A9											
P1		MH072BAEVF		MH BASE w/FLANGE (08F/07EF) w/Coating T/n							
P5) 24" - CASTING HEIGHT - 7" P4) 72" - MH FLAT TOP SPECIAL F/G - 15" P3) 72" - MH RISER SPECIAL w/COATING T/G - 72" P2) 72" - MH RISER w/COATING T/G - 72" P1) 72" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 43" 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) 72" - MH INVERT CHANNEL - FULL HEIGHT 3) JOINT WRAP - 12" WD x 072" MAC WRAP 1) SECONDARY POUR - Extended Flange 3) 72" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 2) Kor-N-Seal2 - S206-28 15) MH Step ML-10-TDS-NCR - 10" 436.79 SqFt) Carboline Bitumastic 300M [EXT]					0 lb 5254 lb 10126 lb 10496 lb 10101 lb 5422 lb 0 lb 0 lb 0 lb 0 lb 2 lb 13 lb 0 lb 0 lb ----- 41414 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: DRILL & DOWEL #5 BAR @ 8" C.C. E.W. (GRADE 60) FOR FLANGE POUR TIE-IN - 4" MIN. PENETRATION INTO BASE FLOOR & 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 90 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS 8. EXTERIOR DROP ASSEMBLY AT INVERTS 3 & 4 BY OTHERS - ICAST TO SUPPLY OPENINGS & BOOTS				
Rim: 906' Rim to Invert: 17.315' Slack: 0.995" Sump: 2.215" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	888.685'	0°	0"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	34.844"	0"	0"	
Invert 2	888.735'	180°	135.125"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	34.844"	0.625"	0"	
Invert 3	889.21'	245°	183.875"	24" PVC F679 (PS46)	24.803"	Kor-N-Seal2 S206-28	28"	28.759"	6.25"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

(P5)

(P4)

(P3)

(P2)

(P1) <<

DRILL & DOWEL #5 BAR @ 8" C.C. E.W. (GRADE 60) OUT OF BASE FLOOR FOR FLANGE POUR TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR & 2" MIN. REBAR CLEARANCE (TYP)

RIGHT-SIDE UP VIEW (int. dimensions)

FIRST POUR (BASE):
8,728 LBS

SECOND POUR (EXT. FLANGE):
1,373 LBS

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 180°
Horz: 113.125"
Hole: 33.5"
Up(): 0.625"

Invert: 3
Degree: 245°
Horz: 154"
Hole: 28"
Up(): 6.25"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 33.5"
Up(): 0"

Step: 90°
Horz: 56.5"

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

6.25"

0.625"

0"

113.125"

154"

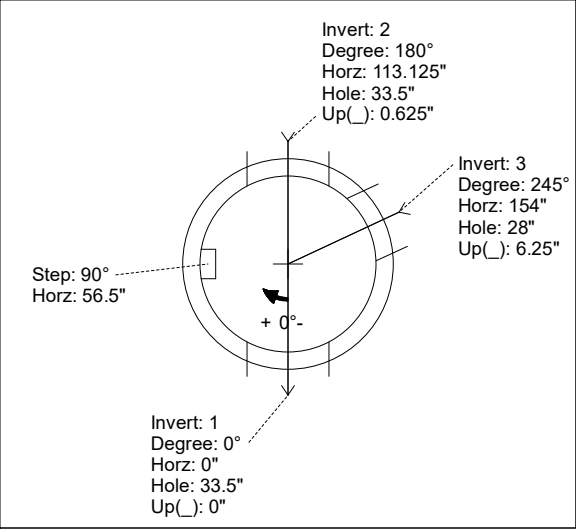
8"

43"

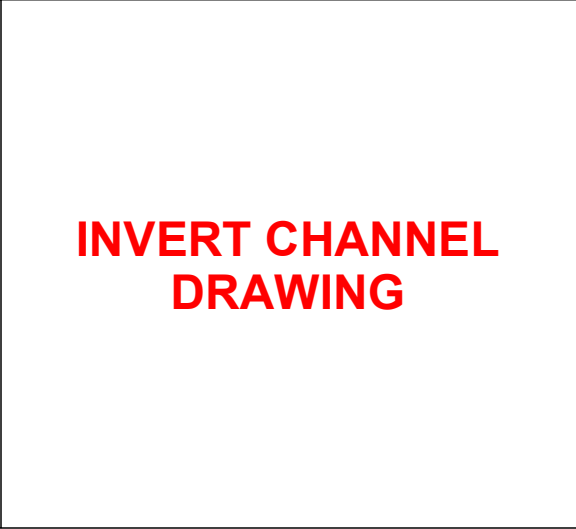
EXT

Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 7" Floor Height: 8"	Height (Int): 43" Height (Ext): 51"	Weight (Net): 10101 lb Volume (Net): 2.58cu.yd
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Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2					Plant: 100		Tech: J. Horsley			
Job Location: Danville, KY					6/7/2026 1:24:46 PM		PC: C. Goff			
Contractor: Hubert Excavating & Contracting										
Structure ID: MH A9										
P1 MH072BAEVF MH BASE w/FLANGE (08F/07EF) w/Coating T/n										
P5) 24" - CASTING HEIGHT - 7" P4) 72" - MH FLAT TOP SPECIAL F/G - 15" P3) 72" - MH RISER SPECIAL w/COATING T/G - 72" P2) 72" - MH RISER w/COATING T/G - 72" P1) 72" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 43" 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) 72" - MH INVERT CHANNEL - FULL HEIGHT 3) JOINT WRAP - 12" WD x 072" MAC WRAP 1) SECONDARY POUR - Extended Flange 3) 72" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 2) Kor-N-Seal2 - S206-28 15) MH Step ML-10-TDS-NCR - 10" 436.79 SqFt) Carboline Bitumastic 300M [EXT]					0 lb 5254 lb 10126 lb 10496 lb 10101 lb 0 lb 5422 lb 0 lb 0 lb 0 lb 0 lb 2 lb 13 lb 0 lb 0 lb Structure Total: 41414 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 90 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS 8. EXTERIOR DROP ASSEMBLY AT INVERTS 3 & 4 BY OTHERS - ICAST TO SUPPLY OPENINGS & BOOTS			
Rim: 906' Rim to Invert: 17.315' Slack: 0.995" Sump: 2.215" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	888.685'	0°	0"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	34.844"	0"	0"
Invert 2	888.735'	180°	135.125"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	34.844"	0.625"	0"
Invert 3	889.21'	245°	183.875"	24" PVC F679 (PS46)	24.803"	Kor-N-Seal2 S206-28	28"	28.759"	6.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

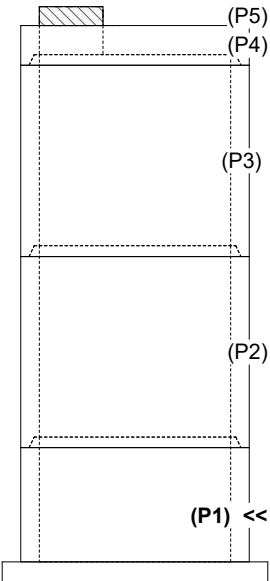
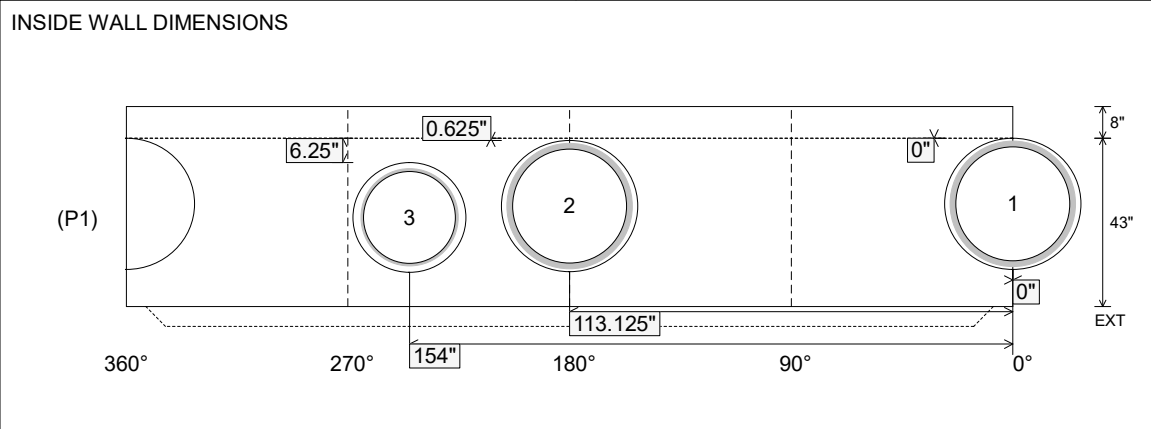


Diagram showing structure profile with invert levels P1 through P5 and a step at 90°.

INVERT CHANNEL DRAWING



INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 7" Floor Height: 8"	Height (Int): 43" Height (Ext): 51"	Weight (Net): 10101 lb Volume (Net): 2.58cu.yd
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Job Number:

25-3579

Job Name:

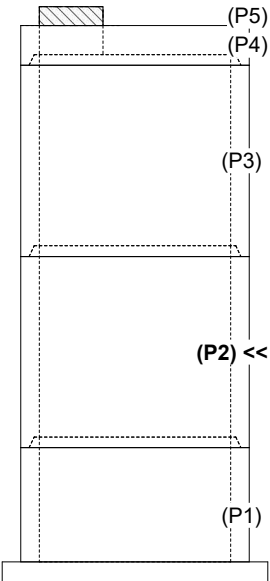
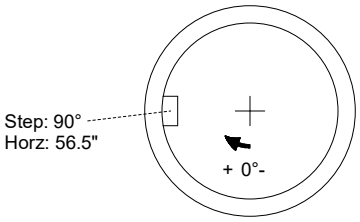
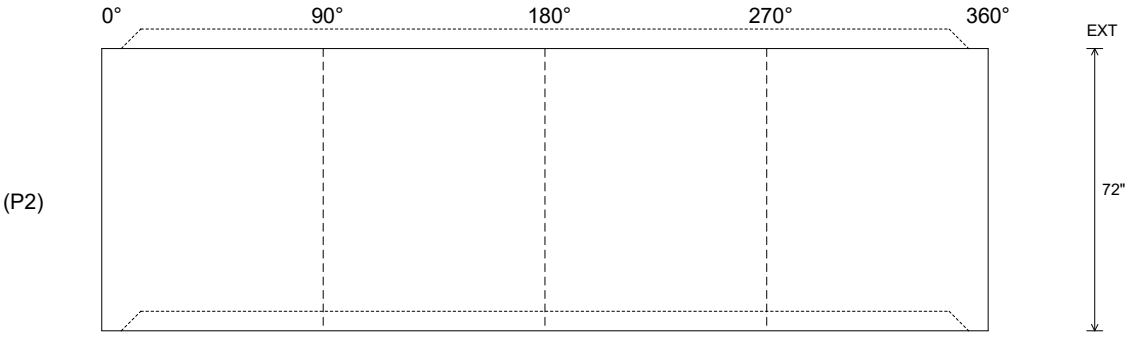
Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A9

Note:

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

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2 Job Location: Danville, KY Contractor: Hubert Excavating & Contracting					Plant: 100 6/7/2026 1:25:19 PM		Tech: J. Horsley PC: C. Goff					
Structure ID: MH A9												
P2		MH072RS72S										
P5) 24" - CASTING HEIGHT - 7" P4) 72" - MH FLAT TOP SPECIAL F/G - 15" P3) 72" - MH RISER SPECIAL w/COATING T/G - 72" P2) 72" - MH RISER w/COATING T/G - 72" P1) 72" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 43" 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) 72" - MH INVERT CHANNEL - FULL HEIGHT 3) JOINT WRAP - 12" WD x 072" MAC WRAP 1) SECONDARY POUR - Extended Flange 3) 72" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 2) Kor-N-Seal2 - S206-28 15) MH Step ML-10-TDS-NCR - 10" 436.79 SqFt) Carboline Bitumastic 300M [EXT]					0 lb 5254 lb 10126 lb 10496 lb 10101 lb 5422 lb 0 lb 0 lb 0 lb 0 lb 2 lb 13 lb 0 lb 0 lb ----- 0 lb		<u>Structure Notes:</u> 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. CARBOLINE 300M EXTERIOR COATING REQUIRED 5. STEPS AT 90 DEGREES 6. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS					
Rim: 906'					Rim to Invert: 17.315'		Slack: 0.995"		Sump: 2.215"		Step Position: 90°	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1												
Invert 2												
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												
RIGHT-SIDE UP VIEW (int. dimensions)												
												
INSIDE WALL DIMENSIONS												
												
Coating (Int): Coating (Ext): Carboline Bitumastic 300M			Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 7" Floor Height: 0"		Height (Int): 72" Height (Ext): 72"		Weight (Net): 10496 lb Volume (Net): 2.68cu.yd			

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A9

Note:

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

Job Name: 25-4508 - Georgetown Commons Target
Job Location: Georgetown, KY
Contractor: Winwater Hartford KY Co.

Plant: 100

5/28/2026 11:26:57 AM

Tech: Jared - F

PC: A. Chambers



Structure ID: 106 (28)

P2 MH072LD10-24X36RECT

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

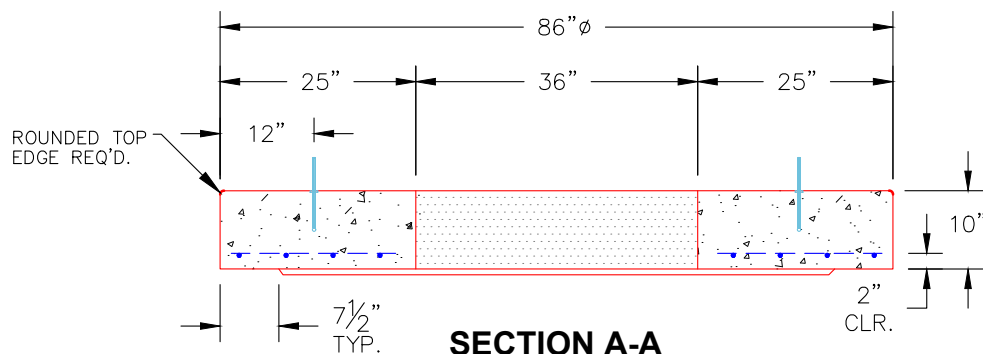
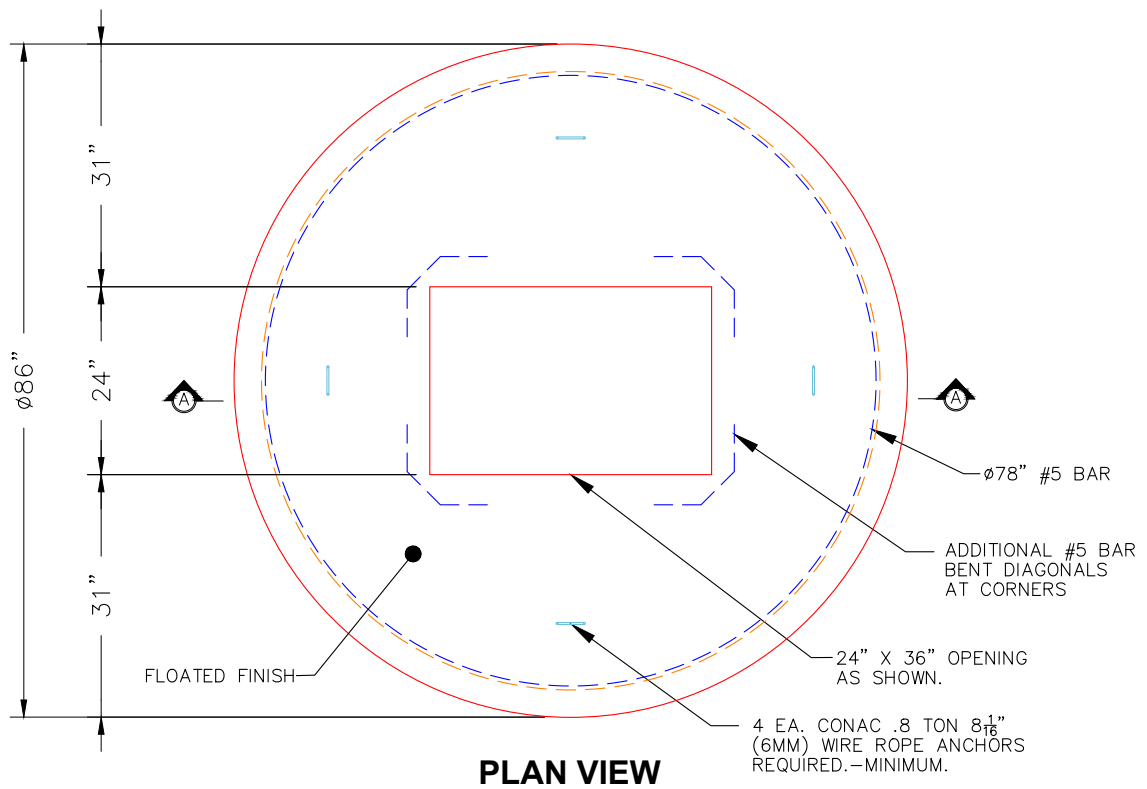
- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 72" - MH FLAT TOP w/24"x36" Hole F/F - 10"
P1) 72" - MH BASE Custom Ht F/n - 65"
1) CASTING - HOE 470 SET LV (F/G/H)
1) 72" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 38
1) Hole - 20
2) Hole - 30

0 lb
4149 lb
11640 lb
394 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 16184 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 470 SET LV (F/G/H)).

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



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 7"

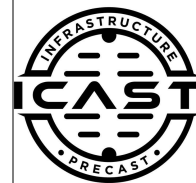
Height (Ext): 10"

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

Plant: Beaver Dam

6/4/2026 8:07:04 AM

Tech:	S. Felletter
PC:	C. Goff



P3 MH096RS36

MH RISER T/G

P5) 24" - CASTING HEIGHT - 4"
P4) 96" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 17"
P3) 96" - MH RISER T/G - 36"
P2) 96" - MH RISER T/G - 96"
P1) 96" - MH MONOBASE 13F, Custom Ht T/n - 24"

- 1) CVSTENCILING
- 1) ASSEMBLY REQUIRED
- 3) 96" - Conseal CS-102 1.00"
- 1) 24" - Conseal CS-102 1.00"
- 3) Hole - 36

0 lb
 10015 lb
 8819 lb
 21710 lb
 17113 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

 57657 lb

Structure Notes:
4" CASTING BY OTHERS

LIFT ANCHORS TO BE INSTALLED
ON THE OUTSIDE OF THE STRUCTURE

ICAST TO INSTALL THE INTERNALS

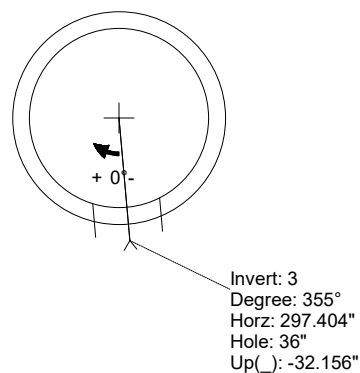
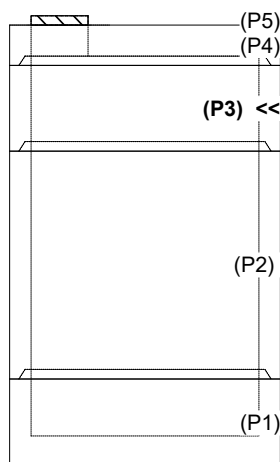
CONTECH'S LOGO AS WELL AS THE
INLET AND OUTLET MUST BE
STENCILED ONTO THE STRUCTURE

Structure Total:

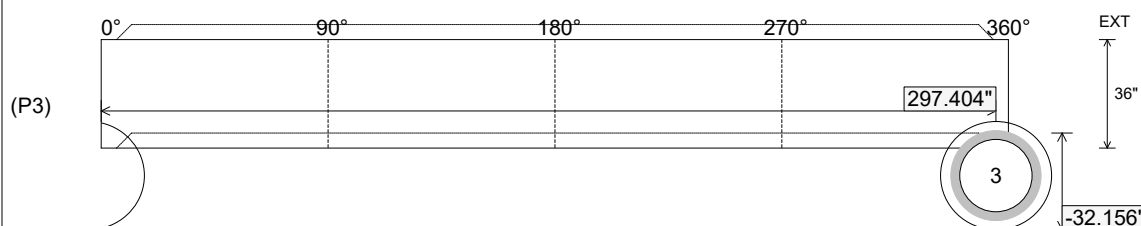
Rim: 841.96' Rim to Invert: 8' Slack: 1.044" Sump: 82.044" Step Position:

[illegible]

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



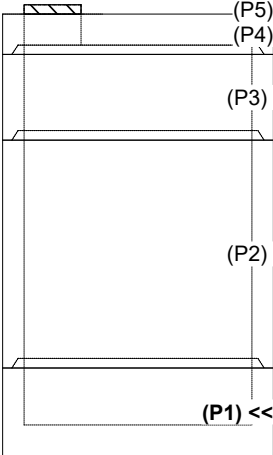
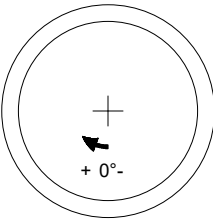
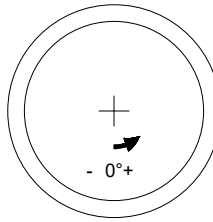
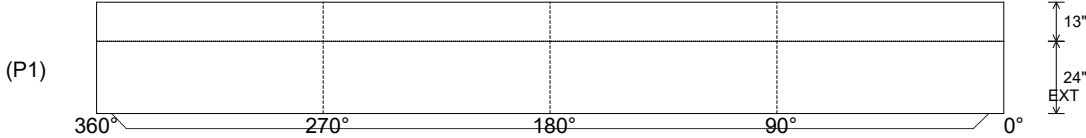
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 9"
Floor Height: 0"

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

Weight (Net): 8819 lb
Volume (Net): 2.25cu.yd

Job Name: 26-2435 838635 Bridge Park Block J Job Location: Dublin, OH Contractor: Contech Engineering Solutions					Plant: Beaver Dam 6/4/2026 8:06:40 AM		Tech: S. Felletter PC: C. Goff				
Structure ID: 20-CS-8											
P1 MH096BAVF			MH MONOBASE 13F, Custom Ht T/n								
P5) 24" - CASTING HEIGHT - 4" P4) 96" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 17" P3) 96" - MH RISER T/G - 36" P2) 96" - MH RISER T/G - 96" P1) 96" - MH MONOBASE 13F, Custom Ht T/n - 24" 1) CVSTENCILING 1) ASSEMBLY REQUIRED 3) 96" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 3) Hole - 36"						0 lb 10015 lb 8819 lb 21710 lb 17113 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 57657 lb		Structure Notes: 4" CASTING BY OTHERS LIFT ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE ICAST TO INSTALL THE INTERNALS CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE			
Rim: 841.96' Rim to Invert: 8' Slack: 1.044" Sump: 82.044" 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)  + 0° UPSIDE-DOWN VIEW (int. dimenions)  - 0°+ INSIDE WALL DIMENSIONS  (P1) 360° 270° 180° 90° 0° 13" 24" EXT											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 9" Floor Height: 13"		Height (Int): 24" Height (Ext): 37"		Weight (Net): 17113 lb Volume (Net): 4.37cu.yd		

Job Name: 25-2898 - Hunter's Ridge Ph.1
Job Location: Owensboro, KY
Contractor: Ernie Davis & Sons Mechanical, Inc.

Plant: 100
5/29/2026 8:41:15 AM

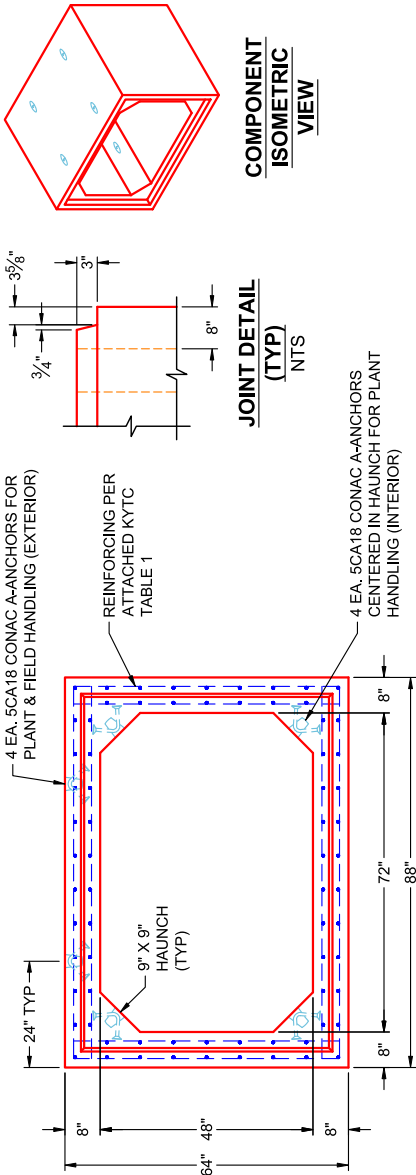
Tech: Jared - A
PC: A. Chambers



Structure ID: BC 6 x 4 (Sec E)

P1 BC048072-08WLF-9H

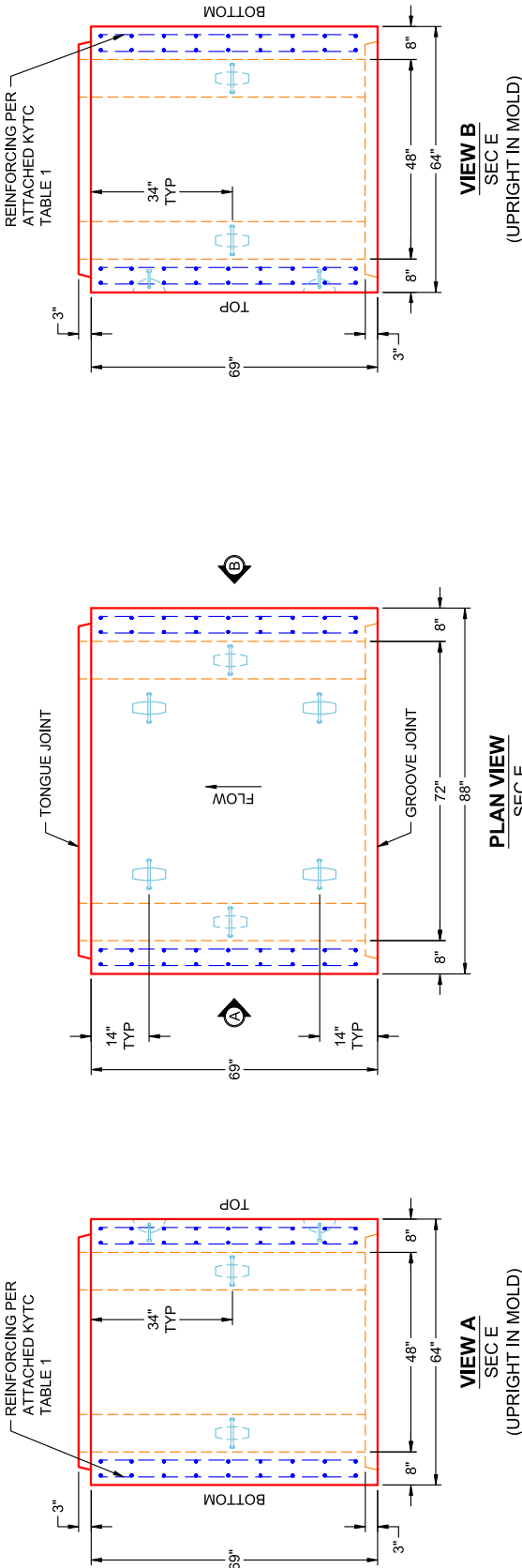
BOX CULVERT (08W/08F/08T) G/T



COMPONENT
ISOMETRIC
VIEW

JOINT DETAIL
(TYP)
NTS

END VIEW
TYPICAL



VIEW B
SEC E
(UPRIGHT IN MOLD)

PLAN VIEW
SEC E
(UPRIGHT IN MOLD)

VIEW A
SEC E
(UPRIGHT IN MOLD)

- GENERAL NOTES:**
- PER SECTION 605 OF KYTC STANDARD SPECS FOR ROAD & BRIDGE CONSTRUCTION
 - LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
 - REINFORCEMENT PER ATTACHED KYTC TABLE 1
 - COVER DEPTH: 0' - 4'
 - CONCRETE: 5,000 PSI AT 28 DAYS
 - JOINT SEALANT: 1" BUTYL MASTIC (CS-102) EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
 - WEIGHT: 6' X 4' RCBC = 2,354 LBS / LF (5'-9" LONG SECTION = 13,537 LBS)

PRODUCTION WORK ORDER

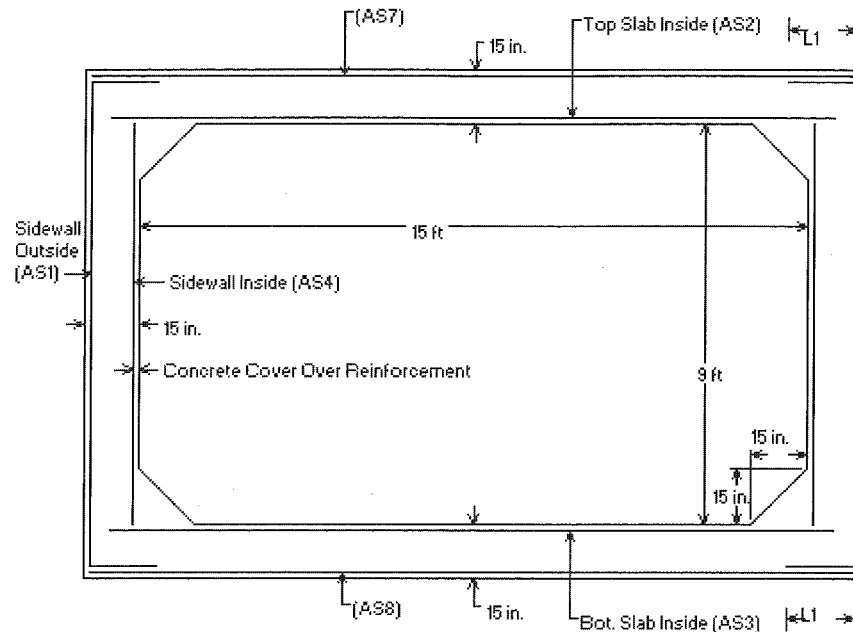


QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: BC048072-08WLF-9H	DESCRIPTION: 72" X 48" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)
PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: ERNIE DAVIS & SONS MECHANICAL, INC.
PLANT: BEAVER DAM, KY	PROJECT: HUNTER'S RIDGE PH 1
WEIGHT: 13,537 LBS	STRUCTURE: BC 6 X 4 (SEC E)
TOP SECTION JOINT: TONGUE	ORDER NO: 25-2898
BASE SECTION JOINT: GROOVE	PE: J.H. ROSS
QC CHECK INITIALS:	DRAWING: K. CARDWELL
	DATE: 05/29/26
	SCALE: NTS
	PG. 1 OF 1

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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

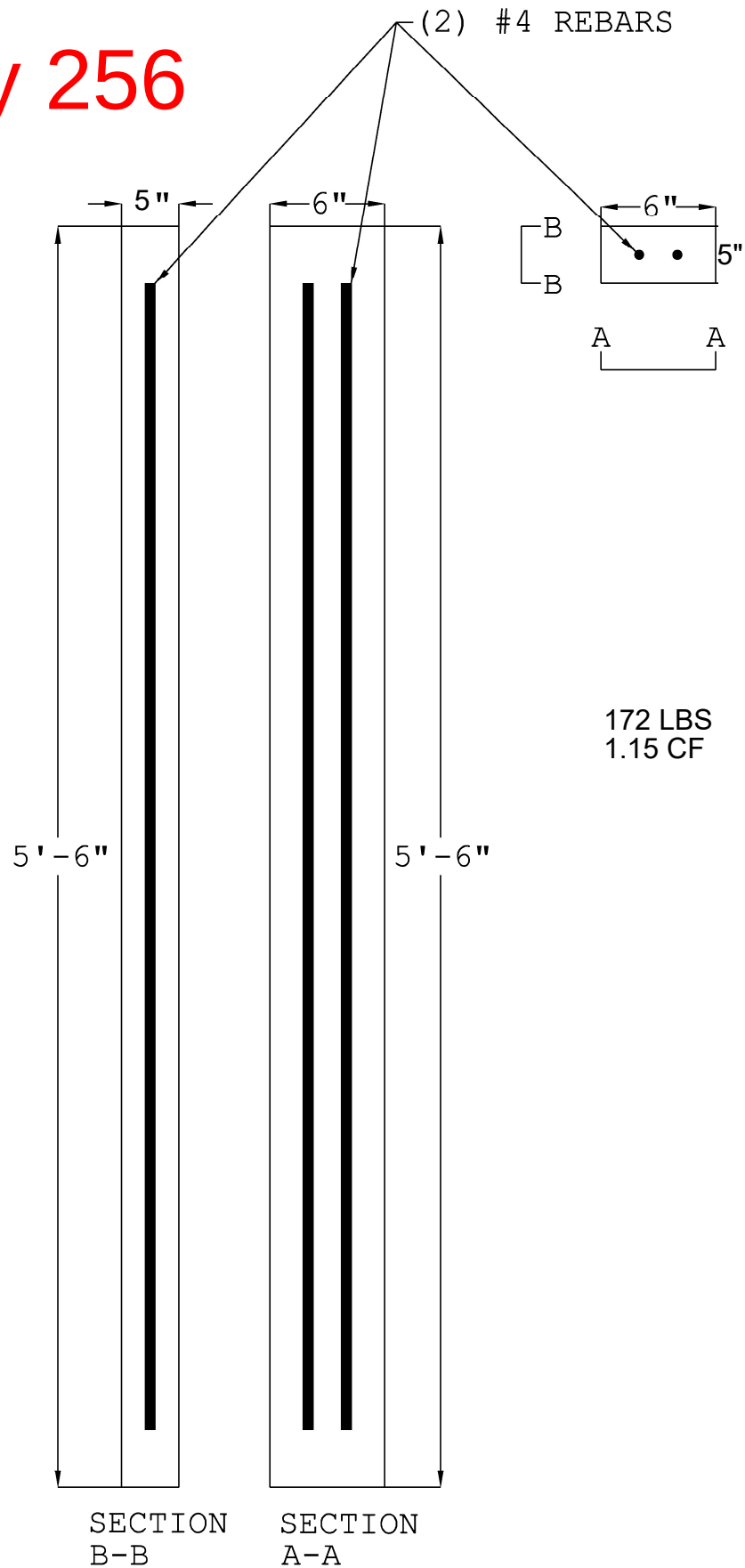
Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
6x4x7	0<2*	0.202	0.421	0.266	0.168	0.192	0.168	0.192	0.192
	2<3	0.251	0.368	0.288	0.168	0.168	0.168		
	3-5	0.19	0.271	0.24	0.168	0.168	0.168		
	10	0.168	0.228	0.234	0.168	0.168	0.168		
	15	0.216	0.306	0.313	0.168	0.168	0.168		
	20	0.275	0.391	0.398	0.168	0.168	0.168		
	25	0.338	0.479	0.487	0.168	0.168	0.168		
	30	0.404	0.571	0.579	0.168	0.168	0.168		
	35	0.473	0.667	0.675	0.168	0.168	0.168		
*top slab 8"									

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
6x5x7	0<2*	0.192	0.449	0.291	0.168	0.192	0.168	0.192	0.192
	2<3	0.22	0.398	0.316	0.168	0.168	0.168		
	3-5	0.168	0.294	0.262	0.168	0.168	0.168		
	10	0.168	0.243	0.252	0.168	0.168	0.168		
	15	0.188	0.326	0.336	0.168	0.168	0.168		
	20	0.238	0.417	0.427	0.168	0.168	0.168		
	25	0.291	0.512	0.522	0.168	0.168	0.168		
	30	0.347	0.611	0.622	0.168	0.168	0.168		
	35	0.406	0.714	0.725	0.168	0.168	0.168		
*top slab 8"									

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
6x6x7	0<2*	0.192	0.47	0.311	0.168	0.192	0.168	0.192	0.192
	2<3	0.195	0.421	0.337	0.168	0.168	0.168		
	3-5	0.168	0.311	0.277	0.168	0.168	0.168		
	10	0.168	0.252	0.263	0.168	0.168	0.168		
	15	0.168	0.338	0.349	0.168	0.168	0.168		
	20	0.212	0.432	0.444	0.168	0.168	0.168		
	25	0.259	0.531	0.543	0.168	0.168	0.168		
	30	0.308	0.634	0.647	0.168	0.168	0.168		
	35	0.359	0.741	0.755	0.168	0.168	0.168		
*top slab 8"									

ALCOA CONCRETE LOGS

Quantity 256



Job Name: 25-4508 - Georgetown Commons Target

Job Location: Georgetown, KY

Contractor: Winwater Hartford KY Co.

Plant: 100

5/28/2026 11:25:35 AM

Tech: Jared - F

PC: A. Chambers



Structure ID: 16 (19)

P1 BX2436-08BVF

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

P2) 24" x 36" - CASTING HEIGHT - 6"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 38"

1) CASTING - HOE 470 SET LV (F/G/H)

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

1) Hole - 16

0 lb

5139 lb

394 lb

0 lb

0 lb

0 lb

Structure Total: 5533 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO STEPS AND NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE 470 SET LV (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).

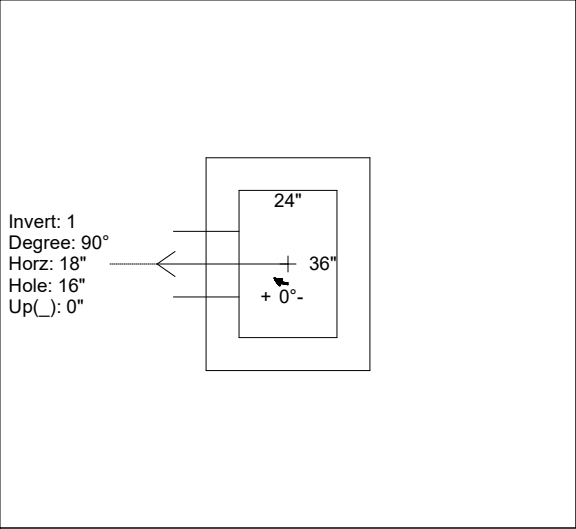
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.

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

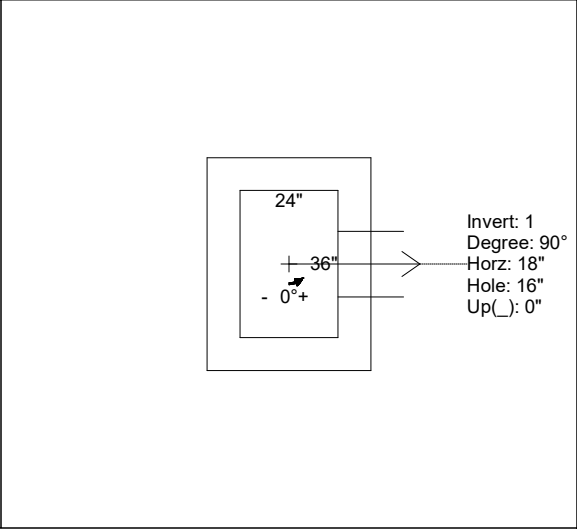
Rim: 871.7' Rim to Invert: 3.6' Slack: 0.45" Sump: 1.25" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	868.1'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

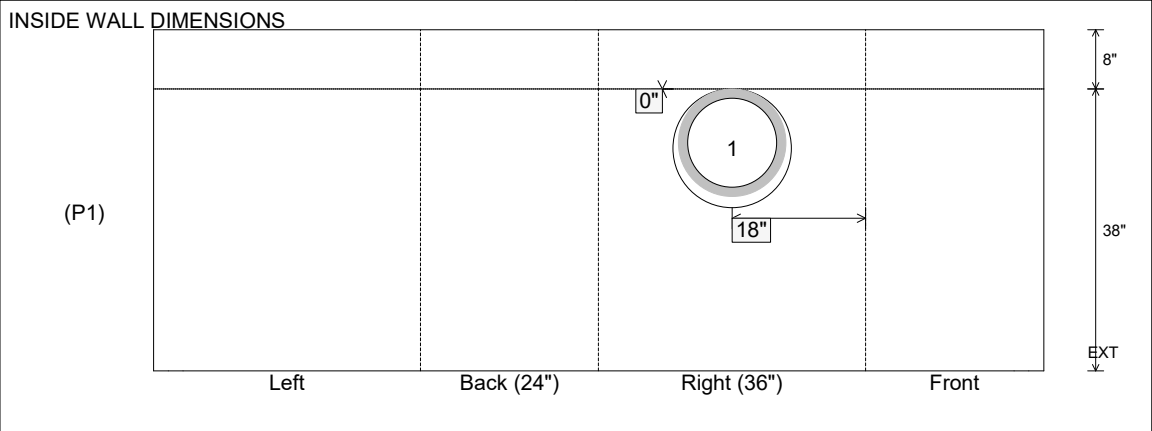
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 38"

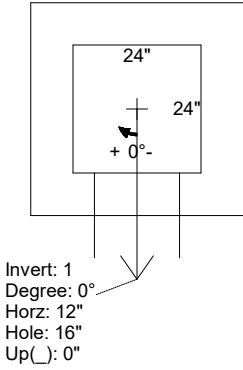
Height (Ext): 46"

Weight (Net): 5139 lb

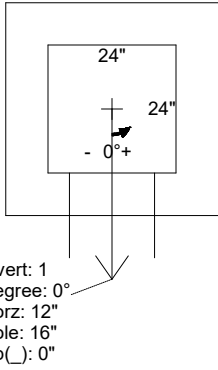
Volume (Net): 1.31cu.yd

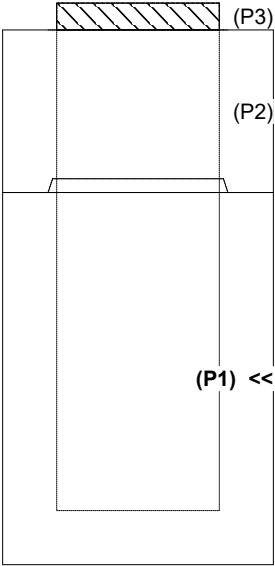
Job Name: 25-4508 - Georgetown Commons Target Job Location: Georgetown, KY Contractor: Winwater Hartford KY Co.				Plant: 100 5/28/2026 6:53:25 PM		Tech: Jared - F PC: A. Chambers				
Structure ID: 117 (34)										
P1 BX2424-08BAVF				BOX BASE 8inW, 8inF, Variable Ht T/n						
P3) 24" x 24" - CASTING HEIGHT - 4" P2) 24" x 24" - BOX RISER 8inW F/G - 24" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht T/n - 47" 1) CASTING - HOE 280T F/G 2) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 16				0 lb 2062 lb 4978 lb 182 lb 0 lb 0 lb ----- Structure Total: 7222 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 280T F/G) REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.				
Rim: 874.6' Rim to Invert: 6.2' Slack: 0.65" Sump: 1.25" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	868.4'	0°	20"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

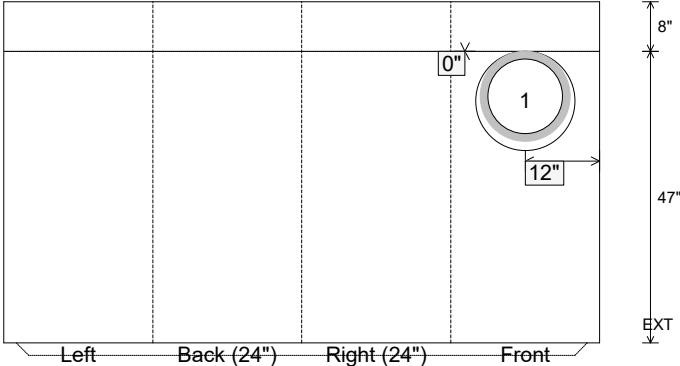


UPSIDE-DOWN VIEW (int. dimensions)



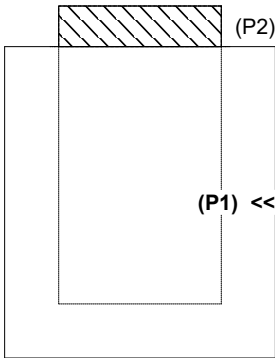


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 47" Height (Ext): 55"	Weight (Net): 4978 lb Volume (Net): 1.27cu.yd
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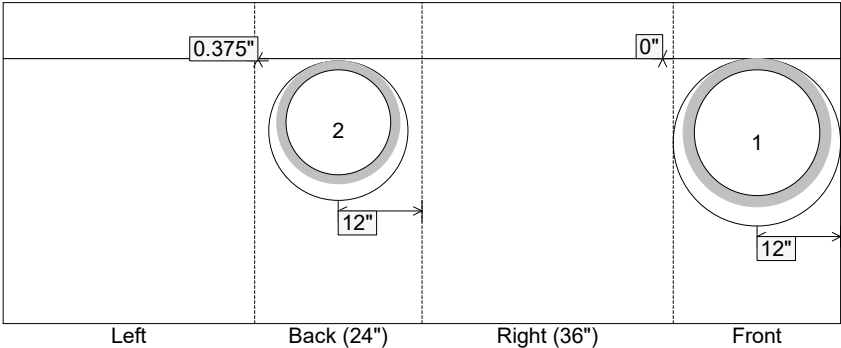
Job Name: 25-4508 - Georgetown Commons Target Job Location: Georgetown, KY Contractor: Winwater Hartford KY Co.					Plant: 100 5/28/2026 11:25:28 AM		Tech: Jared - F PC: A. Chambers			
Structure ID: 3 (6)										
P1 BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n								
P2) 24" x 36" - CASTING HEIGHT - 6" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 38" 1) CASTING - HOE 470 SET LV (F/G/H) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 24 1) Hole - 20					0 lb 4835 lb 394 lb 0 lb 0 lb 0 lb ----- Structure Total: 5229 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 470 SET LV (F/G/H)). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.			
Rim: 871' Rim to Invert: 3.6' Slack: 0.825" Sump: 1.625" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	867.4'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"
Invert 2	867.4'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

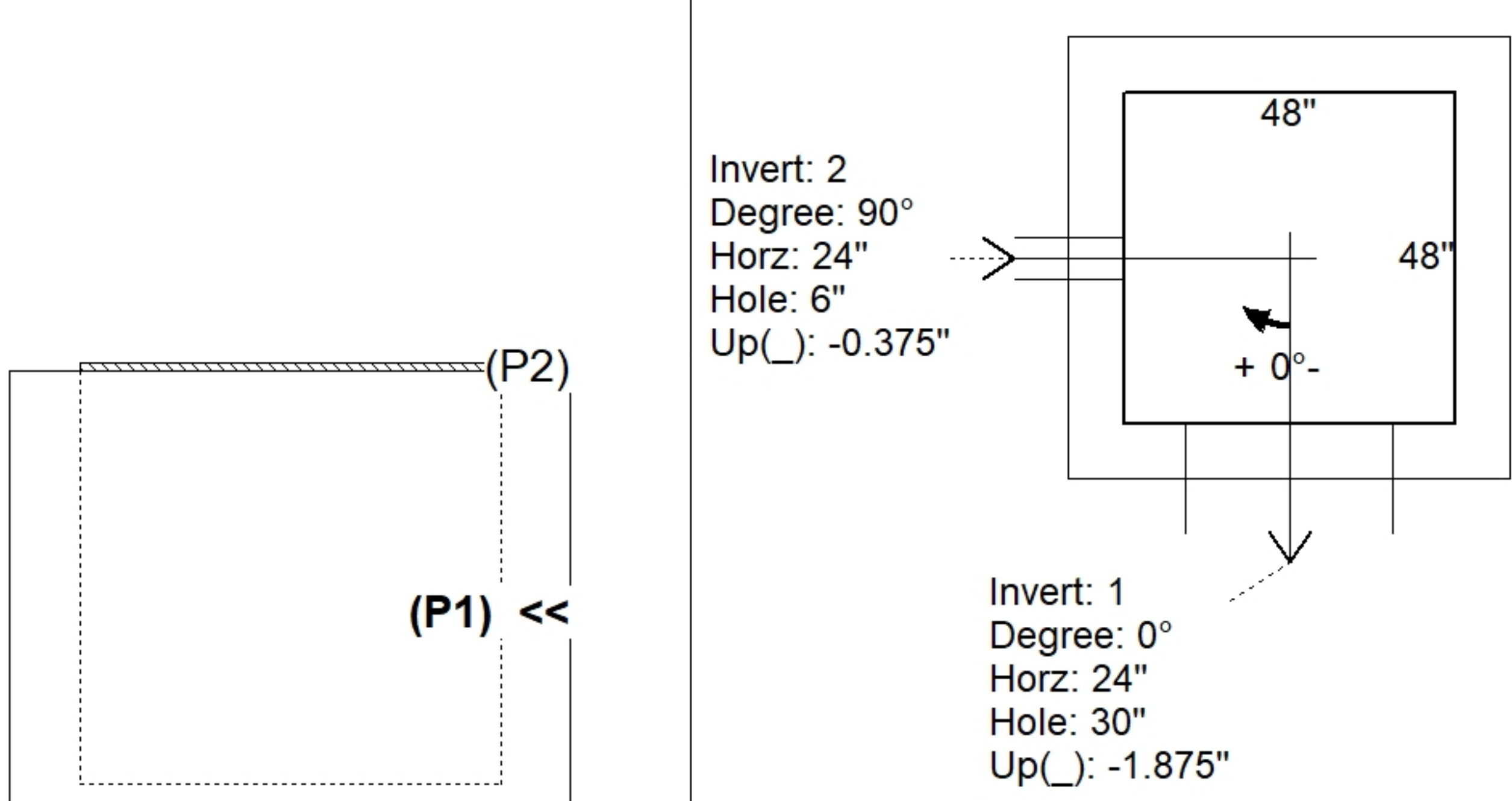
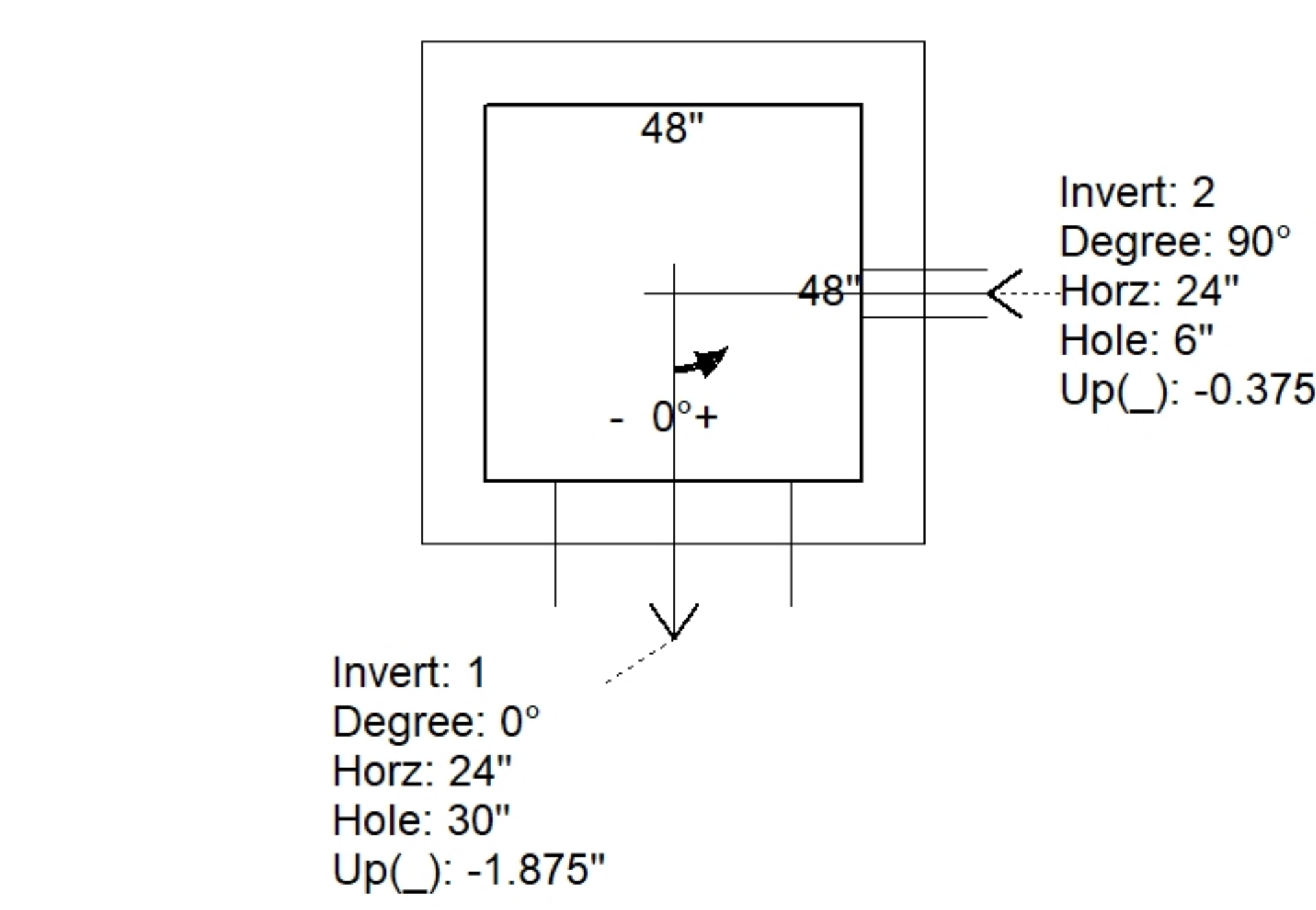
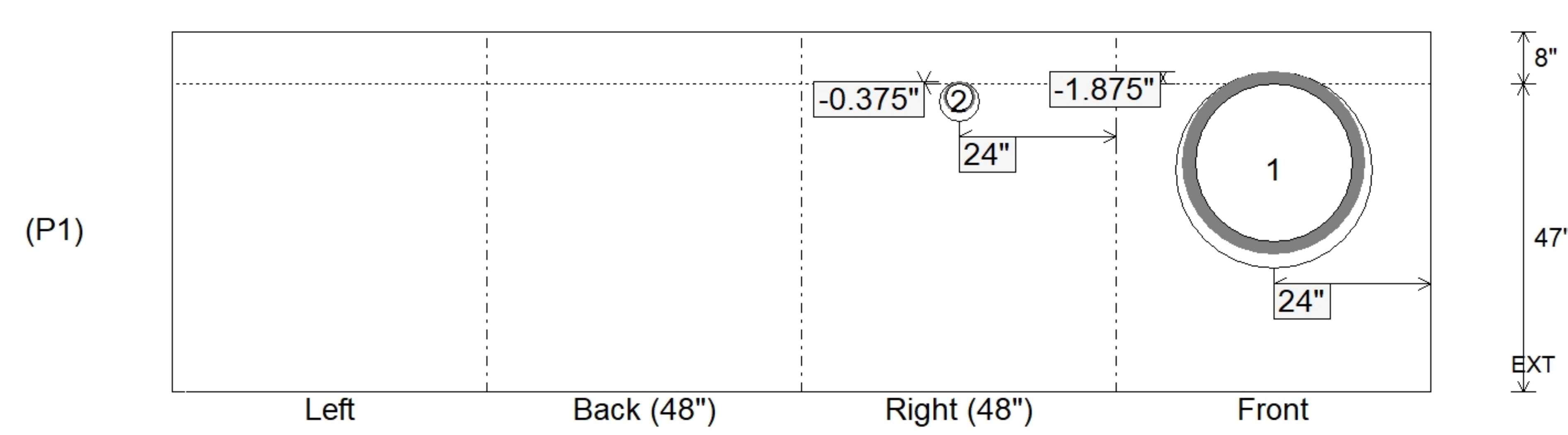
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 4835 lb Volume (Net): 1.24cu.yd
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Weight (Net): 4158 lb
Volume (Net): 1.06cu.yd

Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:34 PM		Tech: J. Horsley PC: C. Golf				
Structure ID: BASIN B2 - OCS											
P1		BX4848-08BAVF			BOX BASE 8inW, 8inF, Variable Ht F/n						
P2) 48" x 48" - CASTING HEIGHT - 1" P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 47" 1) 48" x 48" - Conseal CS-102 1.00" 1) Hole - 30 1) Hole - 6					0 lb 9324 lb 0 lb 0 lb 0 lb ----- Structure Total: 9324 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,500 PSI AT 28 DAYS. 3. CASTING/BAR GRATE SUPPLIED BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60). - BASE WALLS (As .31) #5 BARS AT 12" C.C.E.W. - BASE FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 862'		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	858'	0°	32"	24" HDPE	27.8"	Hole 30	30"	30"	-1.875"	0"	
Invert 2	858'	90°	32"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	-0.375"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)					UPSIDE-DOWN VIEW (int. dimenions)						
											
INSIDE WALL DIMENSIONS											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 47" Height (Ext): 55"		Weight (Net): 9324 lb Volume (Net): 2.38cu.yd	

Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 12:59:20 PM

Tech: J. Horsley

PC: C. Golf

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: CBI-C7

P1 BX2424-08BA36

BOX BASE 8inW, 8inF F/n

P2) 24" x 24" - CASTING HEIGHT - 11"

P1) 24" x 24" - BOX BASE 8inW, 8inF F/n - 36"

1) CASTING - HOE KY-206 F/C (KY CBI A)

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

1) Hole - 20

0 lb

3924 lb

206 lb

0 lb

0 lb

Structure Total: 4130 lb

Structure Notes:

1. PER KYTC CBI F / ASTM C913 SPEC'S.

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

3. CASTING BY ICAST (HOE KY-206) TO BE SHIPPED LOOSE.

REINFORCING PER ASTM AS615 (GRADE 60).

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

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

Rim: 907.02'

Rim to Invert: 4'

Slack: 1"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	903.02'	30°	24.625"	15" ADS N-12	18"	Hole 20	20"	23.094"	-2.5"	-6"
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)

(P2)

(P1) <<

24"

24"

+ 0°

Invert: 1

Degree: 30°

Horz: 12"

Hole: 20"

Up(): -2.5"

24"

24"

- 0°+

Invert: 1

Degree: 30°

Horz: 12"

Hole: 20"

Up(): -2.5"

INSIDE WALL DIMENSIONS

(P1)

Left

Back (24")

Right (24")

Front

8"

36"

EXT

1

12"

-2.5"

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): 3924 lb

Volume (Net): 1cu.yd

Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 12:59:22 PM

Tech: J. Horsley

PC: C. Golf

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: CBI-E3

P1 BX2436-08BVF

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

P3) 24" x 120" - CB INLET KY A 10' TOP SAG F/G - 10"

P2) 24" x 120" - CB INLET KY A 10' BOTTOM SAG T/G - 18"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 26"

1) CASTING - HOE KY-206 F/C (KY CBI A)

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

2) Hole - 24

1) Hole - 22

3398 lb

5270 lb

3263 lb

206 lb

0 lb

0 lb

0 lb

Structure Total: 12136 lb

Structure Notes:

1. PER KYTC CBI A / ASTM C913 SPEC'S.

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

3. CASTING (HOE KY-206) TO BE CAST INTO TOP PHASE.

REINFORCING PER ASTM AS615 (GRADE 60).

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

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

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

Rim: 906.98'

Rim to Invert: 4.5'

Slack: 0"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	902.48'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	902.73'	180°	20"	15" ADS N-12	18"	Hole 22	22"	22"	-0.5"	0"
Invert 3	902.73'	0°	20"	15" ADS N-12	18"	Hole 24	24"	24"	-1.5"	0"
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: 12"
Hole: 22"
Up(): -0.5"

24"

36"

+ 0°-

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

24"

36"

- 0°+

Invert: 3
Degree: 0°
Horz: 12"
Hole: 24"
Up(): -1.5"

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

-0.5"

-3"

-1.5"

2

1

3

12"

18"

12"

Left

Back (24")

Right (36")

Front

8"

26"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 26"
Height (Ext): 34"

Weight (Net): 3263 lb
Volume (Net): 0.83cu.yd

Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 12:59:23 PM

Tech: J. Horsley

PC: C. Golf

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: CBI-E4

P1 BX2436-08BVF

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

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

P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 23"

1) CASTING - HOE KY-206 F/C (KY CBI A)

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

2) Hole - 22

3400 lb

5270 lb

3233 lb

206 lb

0 lb

0 lb

Structure Total: 12108 lb

Structure Notes:

1. PER KYTC CBI A / ASTM C913 SPEC'S.

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

3. CASTING (HOE KY-206) TO BE CAST INTO TOP PHASE.

REINFORCING PER ASTM AS615 (GRADE 60).

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

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

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

Rim: 908.17'

Rim to Invert: 4.25'

Slack: 0"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	903.92'	0°	20"	15" ADS N-12	18"	Hole 22	22"	22"	-3.5"	0"
Invert 2	903.92'	180°	20"	15" ADS N-12	18"	Hole 22	22"	22"	-3.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

(P3)

(P2)

(P1) <<

Invert: 2

Degree: 180°

Horz: 12"

Hole: 22"

Up(): -3.5"

24"

36"

+ 0°-

Invert: 1

Degree: 0°

Horz: 12"

Hole: 22"

Up(): -3.5"

Invert: 2

Degree: 180°

Horz: 12"

Hole: 22"

Up(): -3.5"

24"

36"

- 0°+

Invert: 1

Degree: 0°

Horz: 12"

Hole: 22"

Up(): -3.5"

INSIDE WALL DIMENSIONS

(P1)

-3.5"

2

12"

Left

Back (24")

Right (36")

Front

-3.5"

1

12"

EXT

8"

23"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 23"

Height (Ext): 31"

Weight (Net): 3233 lb

Volume (Net): 0.83cu.yd

Job Name: 25-4726 Omega Fitness
Job Location: Newbern, TN
Contractor: Ainsworth Land Development, LLC

Plant: Beaver Dam
5/29/2026 8:29:05 AM

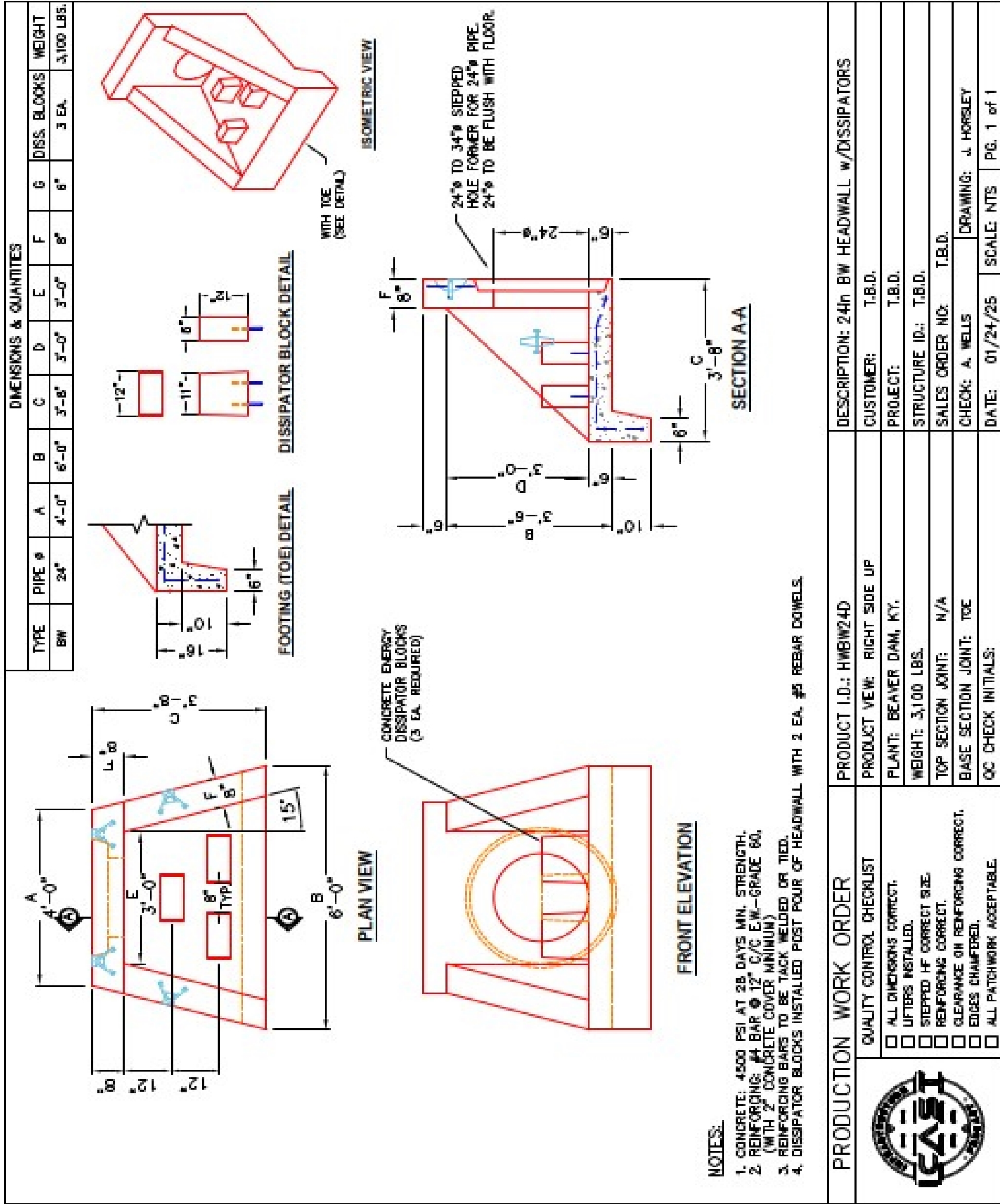
Tech: S. Felletter
PC: T. Lewis



Structure ID: DS-3

P1 HWA18D

18" - HW AW w/TOE/DISSIPATORS F/F



30" - HW TDOT 4:1 Type U Cross Drain Endwall F/F

DIMENSIONS & QUANTITIES FOR ONE ENDWALL 6:1												
PIPE DIA. (O)	CONCRETE			ENDWALL DIMENSIONS			GRATE DISPLACEMENT DIMENSIONS			STRUCT. STEEL		WEIGHT LBS.
	H	W	L1	L2	L3	L4	LBS.	LBS.				
15"	2'-11"	2'-8"	11'-3"	11'-3"	N/A	N/A	N/A	4,737	N/A	5,833	8,848	21,532
18"	3'-2"	2'-11"	12'-8"	12'-10 1/2"	N/A	N/A	N/A	5,833	N/A	8,848	12,880	27,093
24"	3'-9"	3'-6"	16'-2"	16'-4 3/8"	N/A	N/A	N/A	186	N/A	171,186	284	21,532
30"	4'-5"	4'-1"	20'-2"	20'-3 3/8"	10'-1"	N/A	N/A	186	N/A	217,186	284	21,532
36"	5'-0"	4'-8"	23'-8"	23'-11 1/8"	12'-0 1/2"	N/A	N/A	186	N/A	217,186	284	21,532
42"	5'-6"	5'-3"	26'-8"	27'-0 3/8"	9'-1"	N/A	N/A	186	N/A	217,186	284	21,532
48"	5'-6"	5'-4"	26'-8"	27'-0 3/8"	9'-1"	N/A	N/A	186	N/A	217,186	284	21,532

Job Name: 23-2404 Hampton Hills (Phase 1)
Job Location: Richmond, KY
Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 1:02:18 PM

Tech: J. Horsley

PC: C. Golf



Structure ID: CBI-C3

P2 CBITA10-TS-MOD 36x120

CB INLET KY A 10' TOP SAG F/G

- P2) 36" x 120" - CB INLET KY A 10' TOP SAG F/G - 10"
P1) 36" x 120" - BOX BASE 8inW, 8inF, Variable Ht T/n - 50"
1) CASTING - HOE KY-206 F/C (KY CBI A)
1) Hole - 32
2) Hole - 22
1) Horiz Slot n/n - 120"x8"

Structure Total:

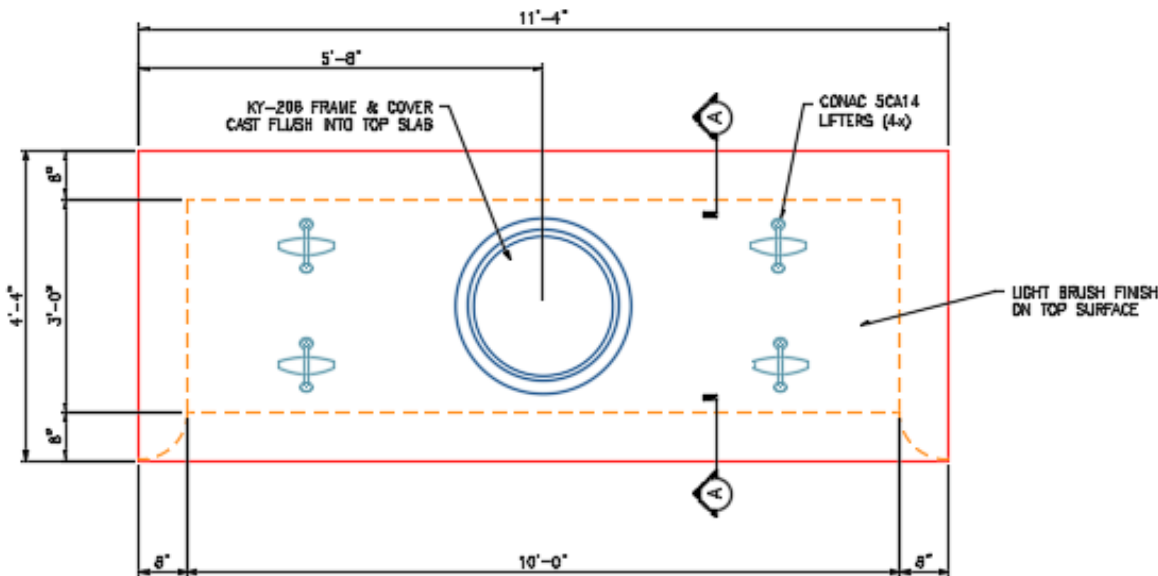
4866 lb
14610 lb
206 lb
0 lb
0 lb
0 lb
19682 lb

Structure Notes:

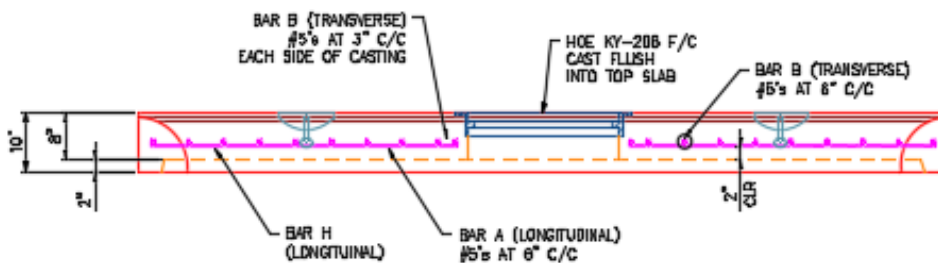
1. PER KYTC CBI A / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING (HOE KY-206) TO BE CAST INTO TOP PHASE.

REINFORCING PER ASTM AS615 (GRADE 60).
- TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W.
- BASE WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- BASE FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

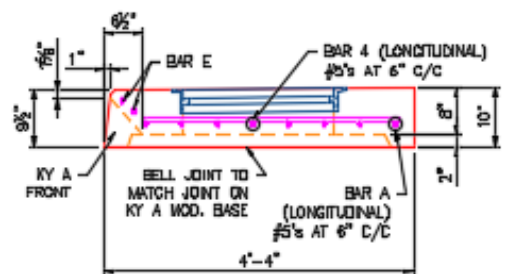
REINFORCEMENT CUT LIST				
R#	QTY	MATERIAL	CUT LENGTH	SHAPE
A	8	#5 BAR	11'-0"	STR
B	20	#5 BAR	3'-8"	STR
E	2	#5 BAR	11'-0"	STR
H	8	#5 BAR	4'-4"	STR



TOP VIEW



FRONT ELEVATION VIEW



SECTION "A-A"

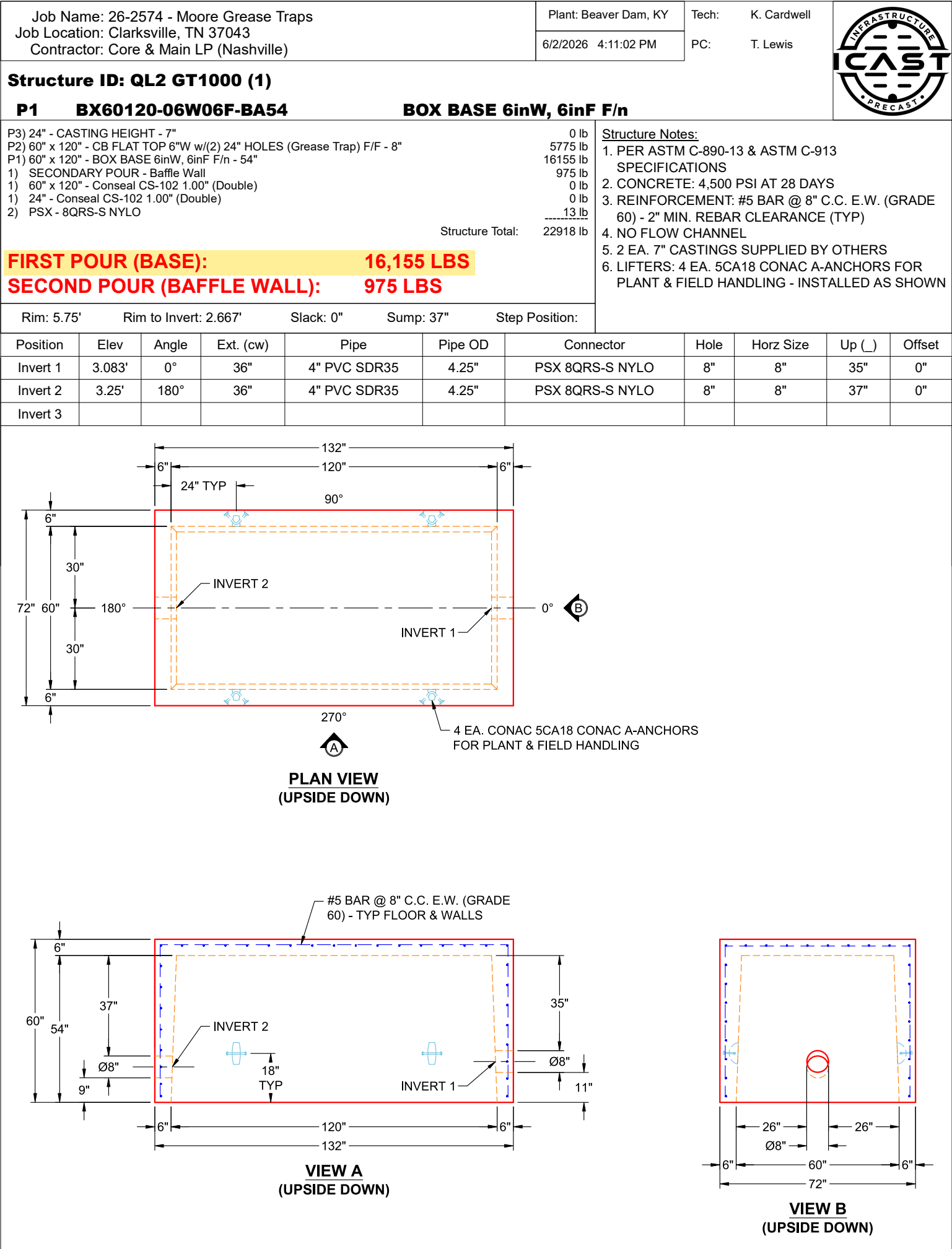
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 8"

Height (Ext): 10"

Weight (Net): 4866 lb
Volume (Net): 1.24cu.yd



Job Name: 26-2574 - Moore Grease Traps
Job Location: Clarksville, TN 37043
Contractor: Core & Main LP (Nashville)

Plant: Beaver Dam, KY
6/2/2026 4:11:02 PM

Tech: K. Cardwell
PC: T. Lewis



Structure ID: QL2 GT1000 (1)

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

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

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

22918 lb

Structure Total: 22918 lb

Structure Notes:

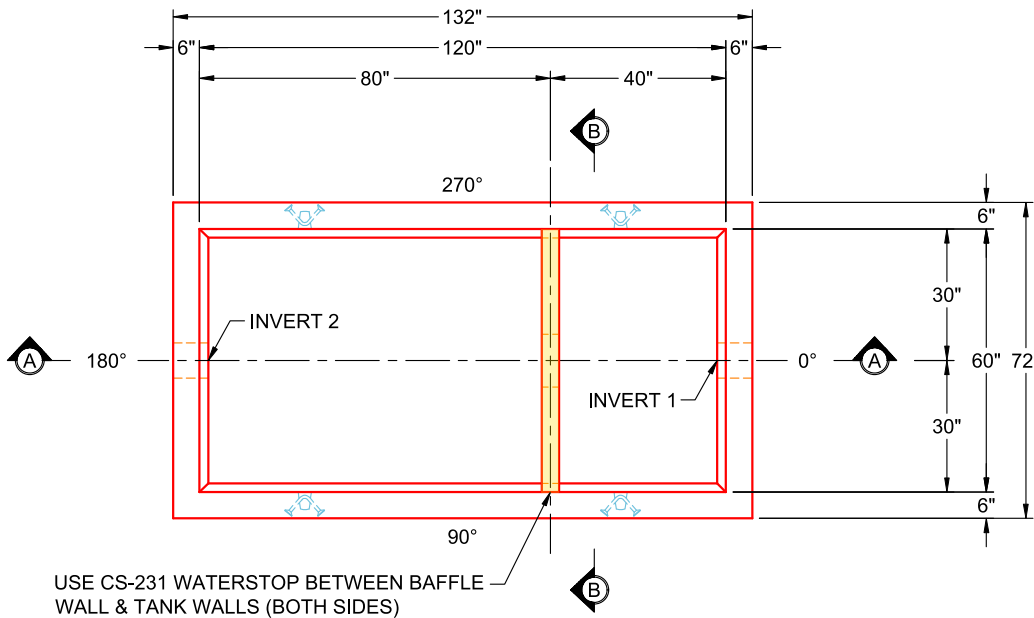
1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. DRILL & DOWEL #4 BAR @ 12" C.C. E.W. (GRADE 60) INTO BASE FLOOR FOR BAFFLE WALL TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR
5. PRIOR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

FIRST POUR (BASE): 16,155 LBS

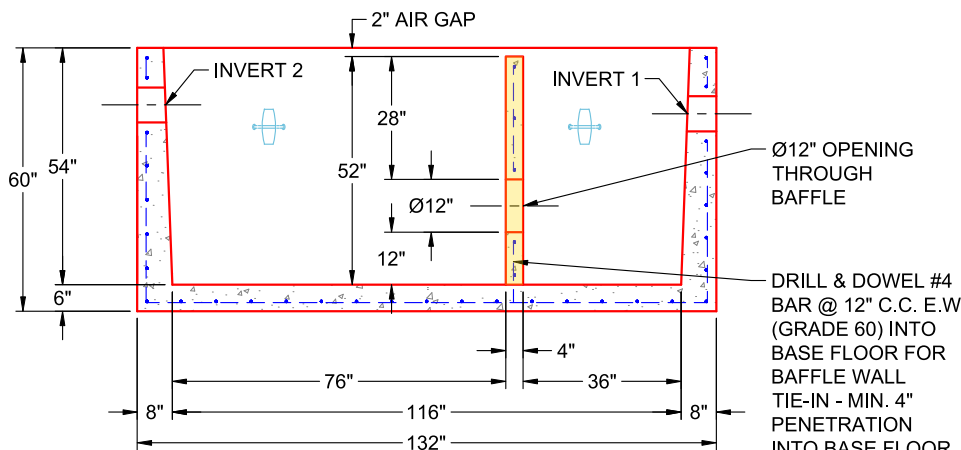
SECOND POUR (BAFFLE WALL): 975 LBS

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

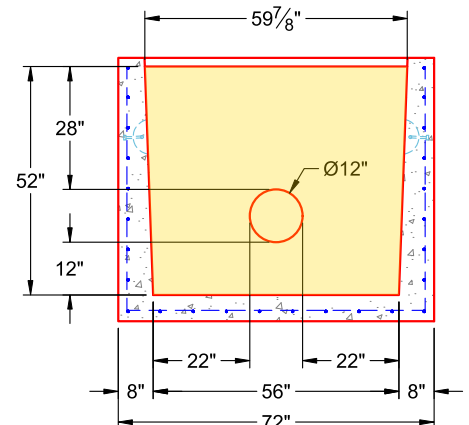
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



**PLAN VIEW
(RIGHT SIDE UP)**



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



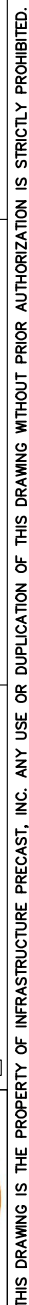
**SECTION B-B
(RIGHT SIDE UP)**



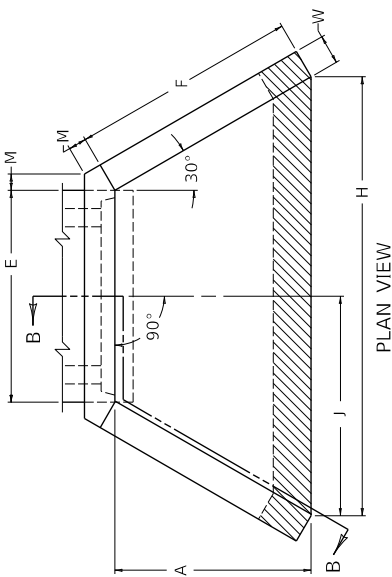
THIS DRAWING IS THE PROPERTY OF INFRASTRUCTURE PRECAST, INC. ANY USE OR DUPLICATION OF THIS DRAWING WITHOUT PRIOR AUTHORIZATION IS STRICTLY PROHIBITED.

72" x 48" - BOX CULVERT HEADWALL F/F

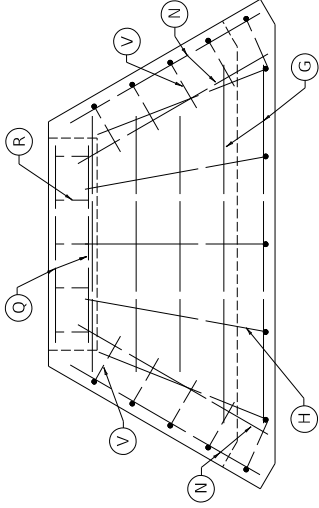
4. TOTAL WEIGHT: 17,065 LBS
- FIRST POUR: 10,870 LBS
- SECOND POUR: 6,195 LBS



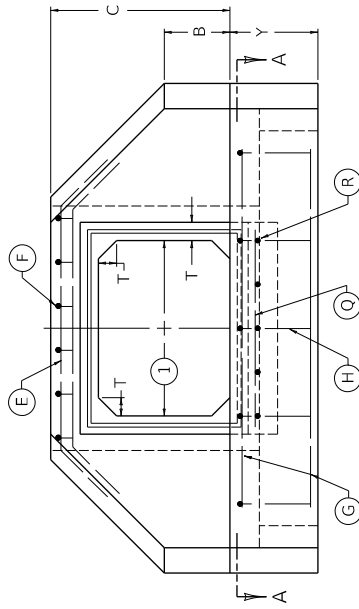
DRAWING SCALE:
1/2" = 1'



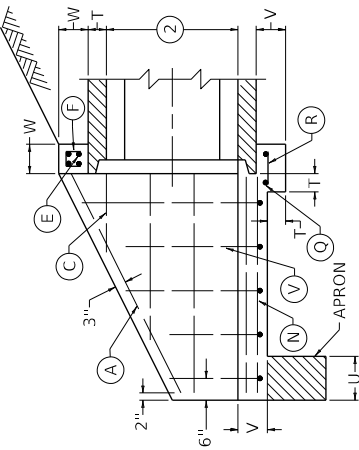
PLAN VIEW



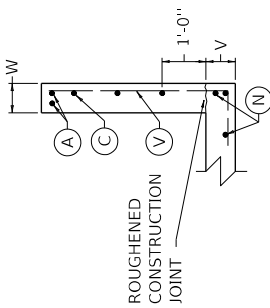
SECTION A-A



FRONT ELEVATION



SECTION B-B



WING SECTION

NOTES

1. SPAN OF BOX CULVERT
2. RISE OF BOX CULVERT
3. FOR DIMENSIONS, QUANTITIES, AND BILL OF REINFORCEMENT SEE CUR. STD. DWGS. RDH-1100, RDH-1200 AND RDH-1300 SERIES.
4. DIMENSIONS FROM FACE OF CONCRETE TO STEEL SHALL BE 2" CLEAR DISTANCE.
5. ENCIRCLED LETTERS, (), INDICATE STEEL BAR LOCATIONS.
6. BARS (), (), AND () ARE SPACED 1'-0" O.C. ALL OTHER BARS SHALL BE EVENLY SPACED.
7. BARS () ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE END OF EACH WING.
8. BARS () ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE TOP OF EACH WING.
9. HEADWALLS LOCATED AT SHOULDER EDGE SHALL BE PARALLEL TO CENTERLINE OF ROAD.
10. LIMITS OF APRON.
11. PAVING SHALL BE REQUIRED AND SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF BOX. FRONT FACE OF HEADWALL AND ENDS OF WINGS SHALL REMAIN VERTICAL.

(LAYOUT AND STEEL PATTERN)

KENTUCKY DEPARTMENT OF HIGHWAYS
PRECAST BOX CULVERT HEADWALLS - 0° SKEW (BOX RISE LESS THAN 6'-0")
STANDARD DRAWING NO. RDH-1000-02
SUBMITTED _____ DIRECTOR, DIVISION OF DESIGN _____ DATE _____
APPROVED _____ STATE HIGHWAY ENGINEER _____ DATE _____

DIMENSION	PRECAST BOX CULVERT												DIMENSION
	3'x2'	3'x3'	4'x2'	4'x3'	4'x4'	5'x3'	5'x4'	5'x5'	6'x3'	6'x4'	6'x5'	6'x6'	
A	3'-4"	4'-4"	3'-6"	4'-6"	5'-6"	4'-8"	5'-8"	6'-8"	4'-10"	5'-10"	6'-10"	8'-0"	A
B	1'-0"	1'-6"	1'-0"	1'-6"	2'-0"	1'-6"	2'-0"	2'-6"	1'-6"	2'-0"	2'-6"	3'-0"	B
C	3'-0"	4'-0"	3'-1"	4'-1"	5'-1"	4'-2"	5'-2"	6'-2"	4'-3"	5'-3"	6'-3"	7'-5"	C
E	3'-8"			4'-10"			6'-0"			7'-2"			E
F	3'-10"	5'-0"	4'-0"	5'-2"	6'-4"	5'-5"	6'-7"	7'-8"	5'-7"	6'-9"	7'-11"	9'-3"	F
H	7'-6"	8'-8"	8'-10"	10'-0"	11'-2"	11'-5"	12'-7"	13'-8"	12'-9"	13'-11"	15'-1"	16'-5"	H
J	3'-9"	4'-4"	4'-5"	5'-0"	5'-7"	5'-8"	6'-3"	6'-10"	6'-4"	6'-11"	7'-6"	8'-2"	J
M	0'-5"												M
T	0'-4"		0'-5"			0'-6"			0'-7"				T
U	1'-0"												U
V	0'-8"												V
W	0'-8"												W
X	----												X
Y	2'-0"												Y
Z	----												Z

BOX SIZE ①	CONCRETE 2 HEADWALLS					REINFORCEMENT 2 HEADWALLS	
	②	③	④	⑤	⑥	⑦	⑧
3 X 2	3.17	0.82	—	—	—	271	—
3 X 3	4.39	0.94	—	—	—	365	—
4 X 2	3.74	0.96	—	—	—	311	—
4 X 3	5.06	1.07	—	—	—	389	—
4 X 4	6.60	1.18	—	—	—	497	—
5 X 3	5.76	1.20	—	—	—	430	—
5 X 4	7.39	1.32	—	—	—	576	—
5 X 5	9.24	1.43	—	—	—	681	—
6 X 3	6.51	1.34	—	—	—	483	—
6 X 4	8.22	1.45	—	—	—	603	—
6 X 5	10.16	1.57	—	—	—	738	—
6 X 6	19.81	2.39	2.24	3.26	18.43	1619	273
7 X 4	9.10	1.59	—	—	—	652	—
7 X 5	11.13	1.70	—	—	—	796	—
7 X 6	21.08	2.54	2.56	3.43	19.40	1678	292
7 X 7	24.13	2.67	3.00	3.69	22.15	2092	353
8 X 4	9.59	1.68	—	—	—	693	—
8 X 5	11.67	1.80	—	—	—	805	—
8 X 6	21.80	2.65	2.78	3.54	19.90	1736	325
8 X 7	24.88	2.78	3.25	3.80	22.64	2117	350
8 X 8	31.42	4.03	3.34	5.47	29.52	2749	427

BOX SIZE ①	CONCRETE 2 HEADWALLS					REINFORCEMENT 2 HEADWALLS	
	②	③	④	⑤	⑥	⑦	⑧
9 X 5	12.70	1.93	—	—	—	877	—
9 X 6	23.13	2.81	3.12	3.71	20.91	1791	327
9 X 7	26.26	2.93	3.62	3.97	23.68	2204	397
9 X 8	33.01	4.23	3.73	5.70	30.75	2846	479
9 X 9	36.81	4.40	4.25	6.04	34.20	3431	509
10 X 5	13.79	2.07	—	—	—	971	—
10 X 6	24.50	2.96	3.47	3.89	21.96	1972	376
10 X 7	27.69	3.09	4.00	4.14	24.75	2419	444
10 X 8	34.64	4.43	4.12	5.93	32.01	3081	482
10 X 9	38.50	4.60	4.68	6.27	35.49	3539	565
10 X 10	53.89	7.29	5.40	9.95	51.16	4748	674
11 X 4	12.60	2.09	—	—	—	870	—
11 X 6	25.92	3.11	3.83	4.06	23.04	2049	413
11 X 8	36.32	4.63	4.53	6.16	33.32	3180	534
11 X 10	56.04	7.59	5.89	10.29	52.85	4801	677
11 X 11	69.84	7.77	6.93	10.66	65.81	5688	778
12 X 4	13.72	2.22	—	—	—	903	—
12 X 6	27.39	3.26	4.19	4.23	24.17	2134	457
12 X 8	38.05	4.84	4.94	6.39	34.66	3424	587
12 X 10	60.16	7.88	6.38	10.62	56.52	5075	740
12 X 12	92.85	8.01	8.83	10.98	86.98	6916	929

① PRECAST CONCRETE BOX CULVERT SECTIONS EQUALS THE INTERIOR SPAN (S) BY THE INTERIOR RISE (R) IN FEET.

② CU. YDS. OF CONCRETE IN TWO HEADWALLS WITH PAVING.

③ CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITH PAVING).

④ CU. YDS. OF CONCRETE IN TWO PAVED AREAS OF THE HEADWALLS.

⑤ CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITHOUT PAVING).

⑥ CU. YDS. OF CONCRETE IN TWO HEADWALLS WITHOUT PAVING.

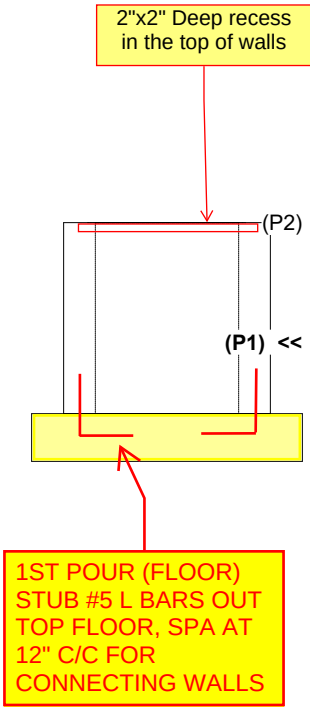
⑦ POUNDS OF REINFORCING STEEL IN TWO HEADWALLS WITH PAVING.

⑧ POUNDS OF REINFORCING STEEL TO DEDUCT WHEN PAVING FOR TWO HEADWALLS IS ELIMINATED.

KENTUCKY DEPARTMENT OF HIGHWAYS	
QUANTITIES 3' x 2' - 12' x 12' H-WALLS PRECAST BOX CULVERTS 0° SKEW	
STANDARD DRAWING NO. RDH-1200-02	
SUBMITTED _____	DIRECTOR DIVISION OF DESIGN _____ DATE _____
APPROVED _____	STATE HIGHWAY ENGINEER _____ DATE _____

Job Name: 26-1534 - Will Chancellor Rd Vaults Job Location: Stanford, KY Contractor: CITCO Water					Plant: 100 5/25/2026 11:54:25 AM		Tech: Jared - F PC: C. Goff			
Structure ID: Inlet Sump Basin										
P1 BX3648-08W12F08EF-BAVF					BX BASE W/FLANGE 8W/12F/8EF F/n					
P2) 36" x 48" - CASTING HEIGHT - 0" P1) 36" x 48" - BX BASE W/FLANGE 8W/12F/8EF - 48" 1) SECONDARY POUR - WALLS 1) Hole - 5 1) Hole - 10					0 lb 11856 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 11856 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. 2"x2" RECESSED GROOVE OPENING TO ACCOMMODATE GRATING SUPPLIED BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.			
Rim: 950.5' Rim to Invert: 3.92' Slack: 0" Sump: 0.96" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	946.58'	0°	41"	3" PVC SCH40	3.5"	Hole 5	5"	5"	0.75"	15"
Invert 2	946.83'	90°	32"	6" DI	6.875"	Hole 10	10"	10"	3.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

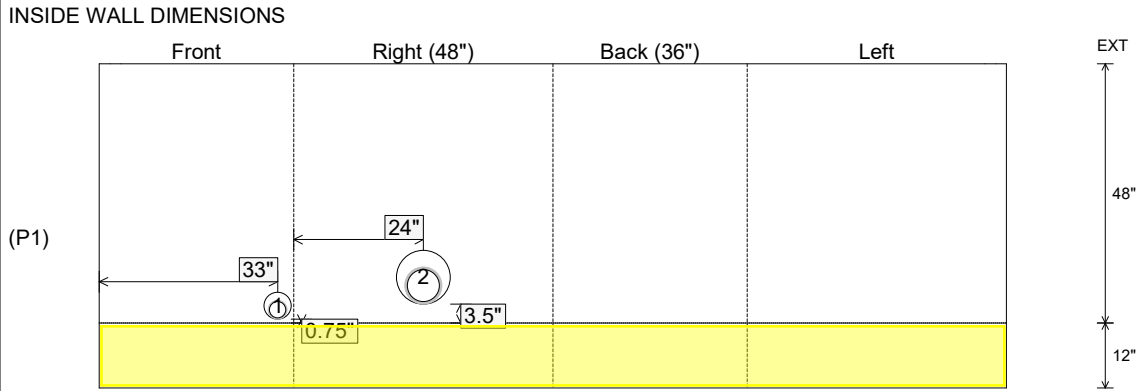
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



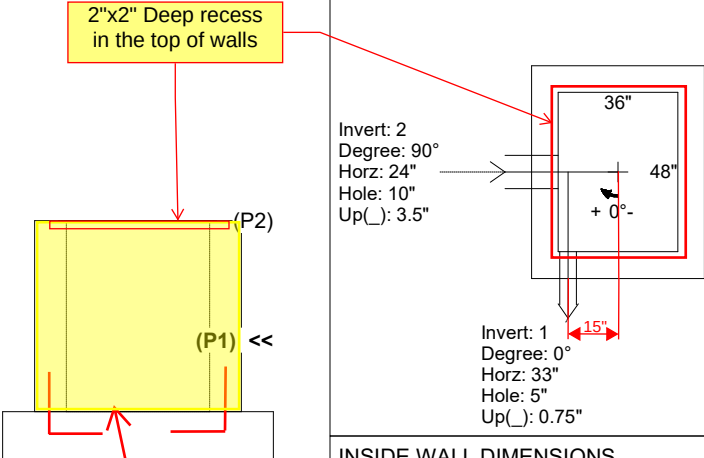
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 12"	Height (Int): 48" Height (Ext): 60"	Weight (Net): 11856 lb Volume (Net): 3.03cu.yd
----------------------------------	-------------------------------	---	--	---

Job Name: 26-1534 - Will Chancellor Rd Vaults Job Location: Stanford, KY Contractor: CITCO Water					Plant: 100 5/25/2026 11:54:25 AM		Tech: Jared - F PC: C. Goff			
Structure ID: Inlet Sump Basin										
P1 BX3648-08W12F08EF-BAVF					BX BASE W/FLANGE 8W/12F/8EF F/n					
P2) 36" x 48" - CASTING HEIGHT - 0" P1) 36" x 48" - BX BASE W/FLANGE 8W/12F/8EF - 48" 1) SECONDARY POUR - WALLS 1) Hole - 5 1) Hole - 10					0 lb 11856 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 11856 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. 2"x2" RECESSED GROOVE OPENING TO ACCOMMODATE GRATING SUPPLIED BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.			
Rim: 950.5' Rim to Invert: 3.92' Slack: 0" Sump: 0.96" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	946.58'	0°	41"	3" PVC SCH40	3.5"	Hole 5	5"	5"	0.75"	15"
Invert 2	946.83'	90°	32"	6" DI	6.875"	Hole 10	10"	10"	3.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

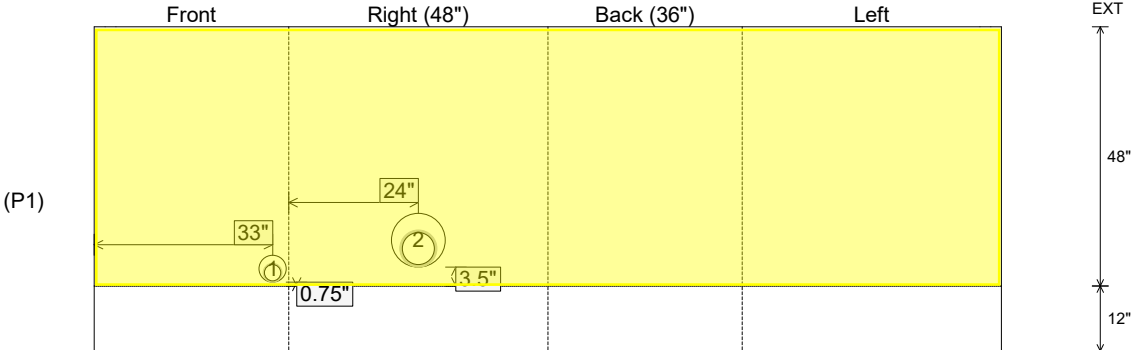
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 12"	Height (Int): 48" Height (Ext): 60"	Weight (Net): 11856 lb Volume (Net): 3.03cu.yd
----------------------------------	-------------------------------	---	--	---

Job Name: 23-2404 Hampton Hills (Phase 1)

Job Location: Richmond, KY

Contractor: Seven Earthmovers LLC

Plant: 100

5/19/2026 12:59:18 PM

Tech: J. Horsley

PC: C. Golf



Structure ID: CBI-C3

P1 BX36120-08VF

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

P2) 36" x 120" - CB INLET KY A 10' TOP SAG F/G - 10"

P1) 36" x 120" - BOX BASE 8inW, 8inF, Variable Ht T/n - 50"

1) CASTING - HOE KY-206 F/C (KY CBI A)

1) Hole - 32

2) Hole - 22

1) Horiz Slot n/n - 120"x8"

4866 lb

14610 lb

206 lb

0 lb

0 lb

0 lb

Structure Total: 19682 lb

Structure Notes:

1. PER KYTC CBI A / ASTM C913 SPEC'S.

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

3. CASTING (HOE KY-206) TO BE CAST INTO TOP PHASE.

REINFORCING PER ASTM AS615 (GRADE 60).

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

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

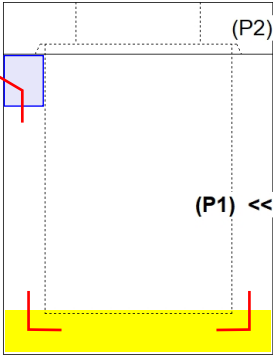
- BASE FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 885.29' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	880.29'	65°	39.375"	24" ADS N-12	28"	Hole 32	32"	35.308"	-4"	-15"
Invert 2	881.04'	130°	109.375"	15" ADS N-12	18"	Hole 22	22"	28.719"	5.5"	15"
Invert 3	881.04'	200°	29.5"	15" ADS N-12	18"	Hole 22	22"	23.412"	5.5"	-20"
Invert 4	883.79'	90°	68"	120" x 8" Horiz Slot	120" x 8"	Horiz Slot 120"x8"	120" x 8"	120"	42"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

STUB #5 BARS 20" OU TO OF SLOT, PET KY A CBI SPEC'S



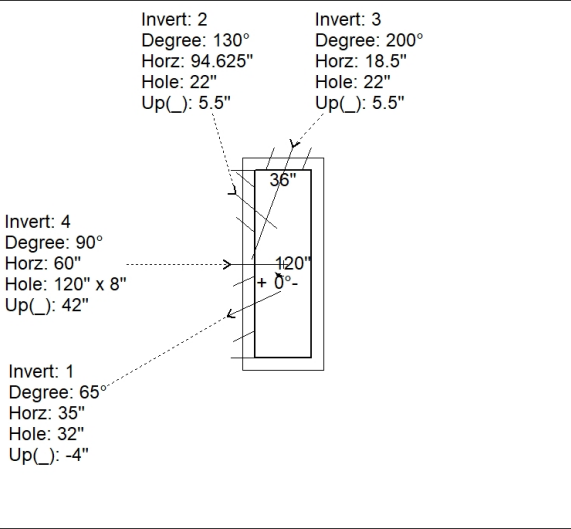
1st POUR (FLOOR)
STUB #5 L BARS OUT TOP OF FLOOR FOR CONNECTING WALLS

Invert: 2
Degree: 130°
Horz: 94.625"
Hole: 22"
Up(): 5.5"

Invert: 3
Degree: 200°
Horz: 18.5"
Hole: 22"
Up(): 5.5"

Invert: 4
Degree: 90°
Horz: 60"
Hole: 120" x 8"
Up(): 42"

Invert: 1
Degree: 65°
Horz: 35"
Hole: 32"
Up(): -4"

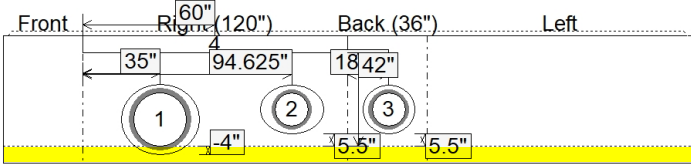


UPSIDE-DOWN VIEW (int. dimensions)

1st POUR (FLOOR) = 4,769 LBS

2nd POUR (WALLS) = 9,841 LBS

INSIDE WALL DIMENSIONS



EXT 50"

8"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 50"

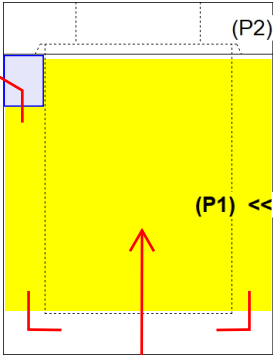
Height (Ext): 58"

Weight (Net): 14610 lb

Volume (Net): 3.73cu.yd

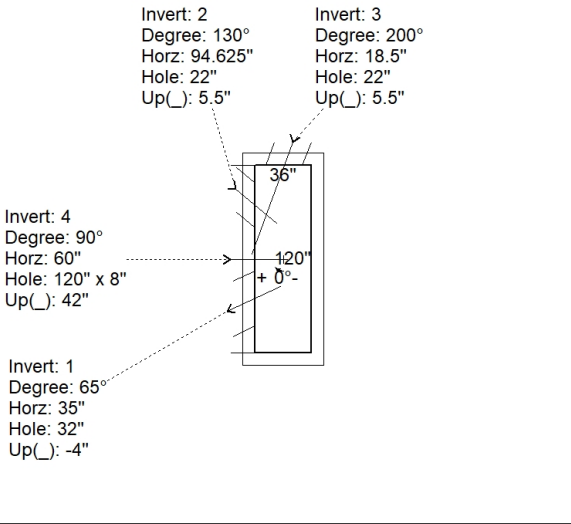
Job Name: 23-2404 Hampton Hills (Phase 1) Job Location: Richmond, KY Contractor: Seven Earthmovers LLC					Plant: 100 5/19/2026 12:59:18 PM		Tech: J. Horsley PC: C. Golf			
Structure ID: CBI-C3										
P1A BX36120-08VF					BOX BASE 8inW, 8inF, Variable Ht T/n					
P2) 36" x 120" - CB INLET KY A 10' TOP SAG F/G - 10" P1) 36" x 120" - BOX BASE 8inW, 8inF, Variable Ht T/n - 50" 1) CASTING - HOE KY-206 F/C (KY CBI A) 1) Hole - 32 2) Hole - 22 1) Horiz Slot n/n - 120"x8"					4866 lb 14610 lb 206 lb 0 lb 0 lb 0 lb Structure Total: 19682 lb		Structure Notes: 1. PER KYTC CBI A / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING (HOE KY-206) TO BE CAST INTO TOP PHASE. REINFORCING PER ASTM AS615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - BASE WALLS (As .31) #5 BARS AT 12" C.C.E.W. - BASE FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 885.29' Rim to Invert: 5' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	880.29'	65°	39.375"	24" ADS N-12	28"	Hole 32	32"	35.308"	-4"	-15"
Invert 2	881.04'	130°	109.375"	15" ADS N-12	18"	Hole 22	22"	28.719"	5.5"	15"
Invert 3	881.04'	200°	29.5"	15" ADS N-12	18"	Hole 22	22"	23.412"	5.5"	-20"
Invert 4	883.79'	90°	68"	120" x 8" Horiz Slot	120" x 8"	Horiz Slot 120"x8"	120" x 8"	120"	42"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

STUB \$5 BARS 20" OU TO OF SLOT, PET KY A CBI SPEC'S

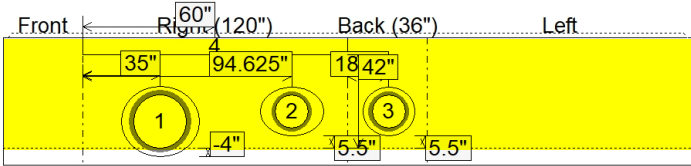


2nd POUR (WALLS)

RIGHT-SIDE UP VIEW (int. dimensions)

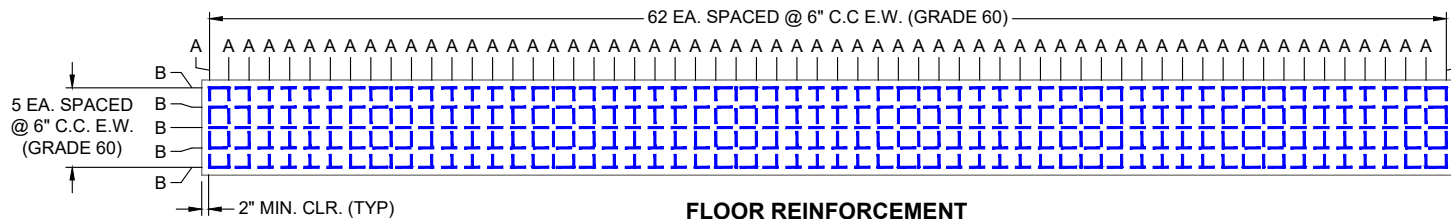


INSIDE WALL DIMENSIONS

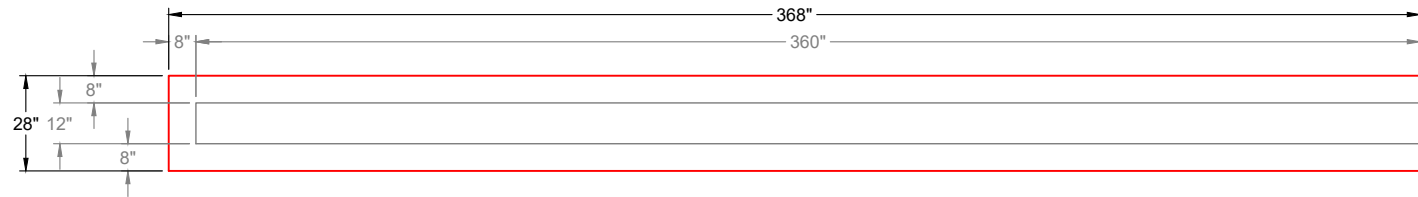


1st POUR (FLOOR) = 4,769 LBS
2nd POUR (WALLS) = 9,841 LBS

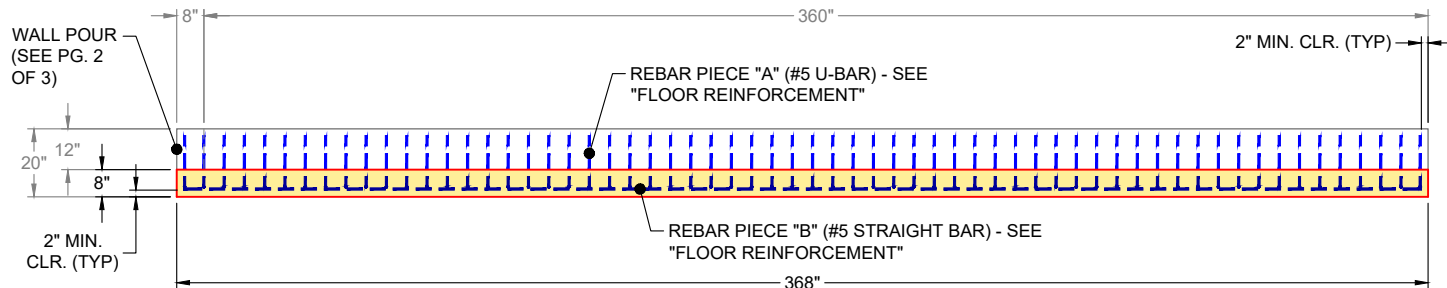
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 50" Height (Ext): 58"	Weight (Net): 14610 lb Volume (Net): 3.73cu.yd
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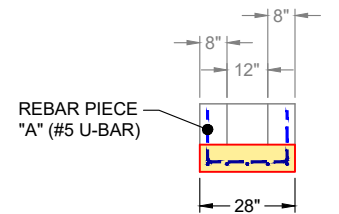
**FLOOR REINFORCEMENT
(PLAN VIEW)**



**PLAN VIEW
(RIGHT SIDE UP)**



**VIEW A
(RIGHT SIDE UP)**



**VIEW B
(RIGHT SIDE UP)**

GENERAL NOTES:

1. PER KYTC DBI TYPE 12 / ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- SEE "FLOOR REINFORCEMENT" ON THIS PAGE & REBAR DETAILS ON PG. 3 FOR ADDITIONAL INFORMATION
4. TOTAL WEIGHT: 12,943 LBS
- FIRST POUR (FLOOR): 6,917 LBS
- SECOND POUR (WALLS): 6,026 LBS
5. SEE PG. 2 OF 3 FOR SECOND POUR (WALL POUR)

PRODUCTION WORK ORDER

PRODUCT I.D.: BX012360-08BAVF

DESCRIPTION: 368" X 28" X 8" THICK BASE FLOOR (FIRST POUR)



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ CORRECT THICKNESS.
- ☐ REINFORCING CORRECT.
- ☐ #5 U-BAR STUBS CORRECT.
- ☐ BASE MAT CORRECT.
- ☐ PRODUCT SQUARE.

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: EDMONSON PLUMBING & HEATING SUPPLY

PLANT: BEAVER DAM, KY

PROJECT: BUCK HILLS SUBDIVISION

WEIGHT: 6,917 LBS (12,943 LBS TOTAL)

STRUCTURE: ICAST LI10

TOP SECTION JOINT: N / A

ORDER NO: 25-3241

BASE SECTION JOINT: FLAT

PE: J.H. ROSS

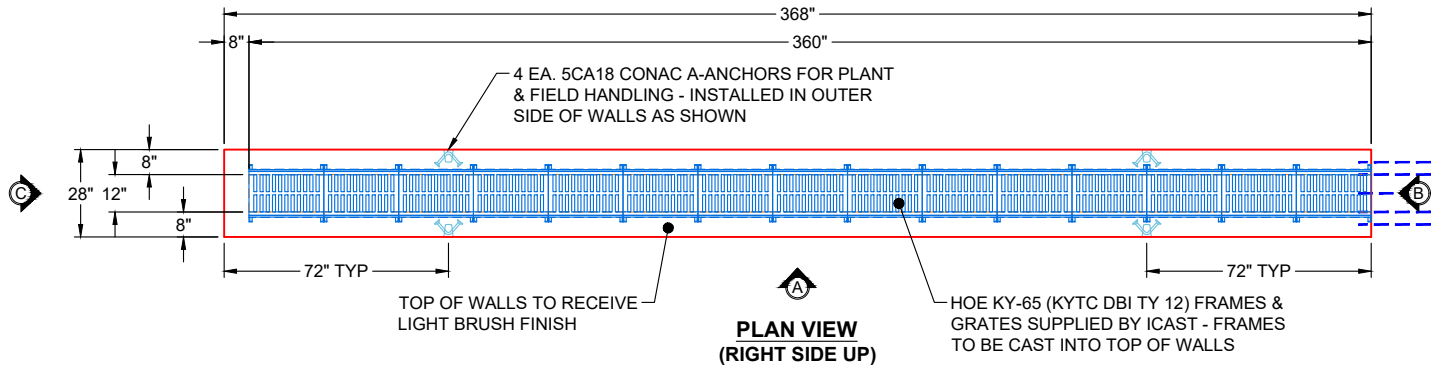
DRAWING: K. CARDWELL

QC CHECK INITIALS:

DATE: 05/19/26

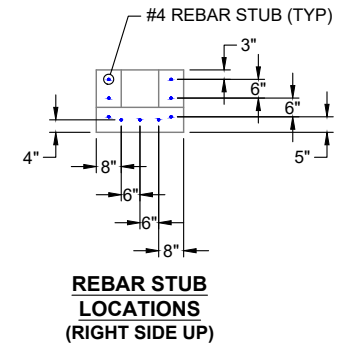
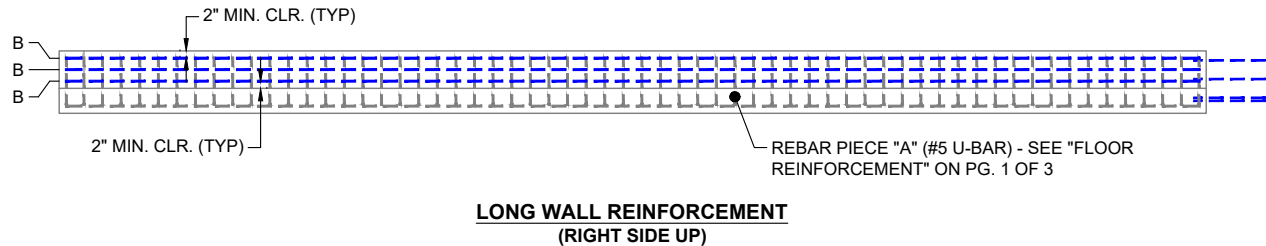
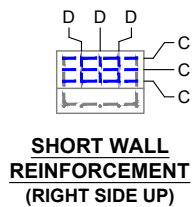
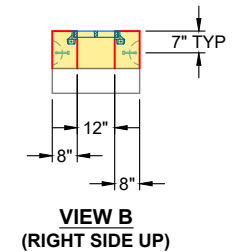
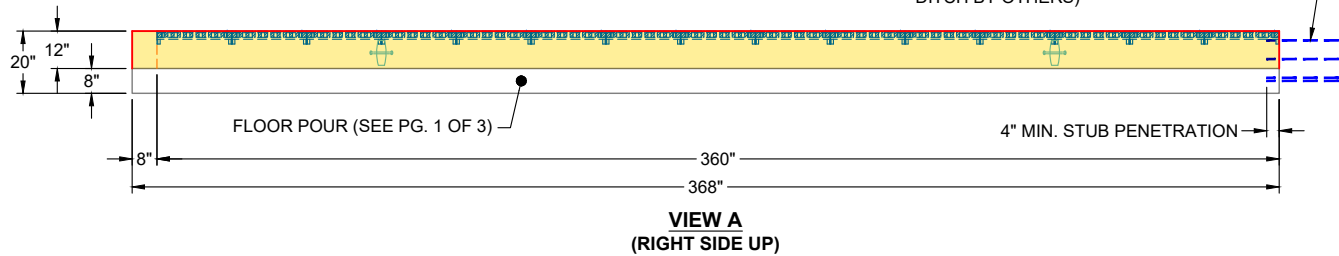
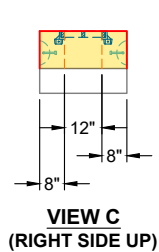
SCALE: NTS

PG. 1 OF 3



GENERAL NOTES:

1. PER KYTC DBI TYPE 12 / ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- SEE "LONG WALL REINFORCEMENT", "SHORT WALL REINFORCEMENT", & "REBAR STUB LOCATIONS" ON THIS PAGE & REBAR DETAILS ON PG. 3 FOR ADDITIONAL INFORMATION
4. HOE KY-65 (KYTC DBI TY 12) FRAMES & GRATES SUPPLIED BY ICAST - FRAMES TO BE CAST INTO TOP OF WALLS
6. TOTAL WEIGHT: 12,943 LBS
- FIRST POUR (FLOOR): 6,917 LBS
- SECOND POUR (WALLS): 6,026 LBS
7. SEE PG. 1 OF 3 FOR FIRST POUR (FLOOR POUR)



PRODUCTION WORK ORDER

PRODUCT I.D.: BX012360-08BAVF

DESCRIPTION: 360" X 12" X 12" BASE WALLS (SECOND POUR)



QUALITY CONTROL CHECKLIST

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

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: EDMONSON PLUMBING & HEATING SUPPLY

PLANT: BEAVER DAM, KY

PROJECT: BUCK HILLS SUBDIVISION

WEIGHT: 6,026 LBS (12,943 LBS TOTAL)

STRUCTURE: ICAST LI10

TOP SECTION JOINT: N / A

ORDER NO: 25-3241

BASE SECTION JOINT: FLAT

PE: J.H. ROSS

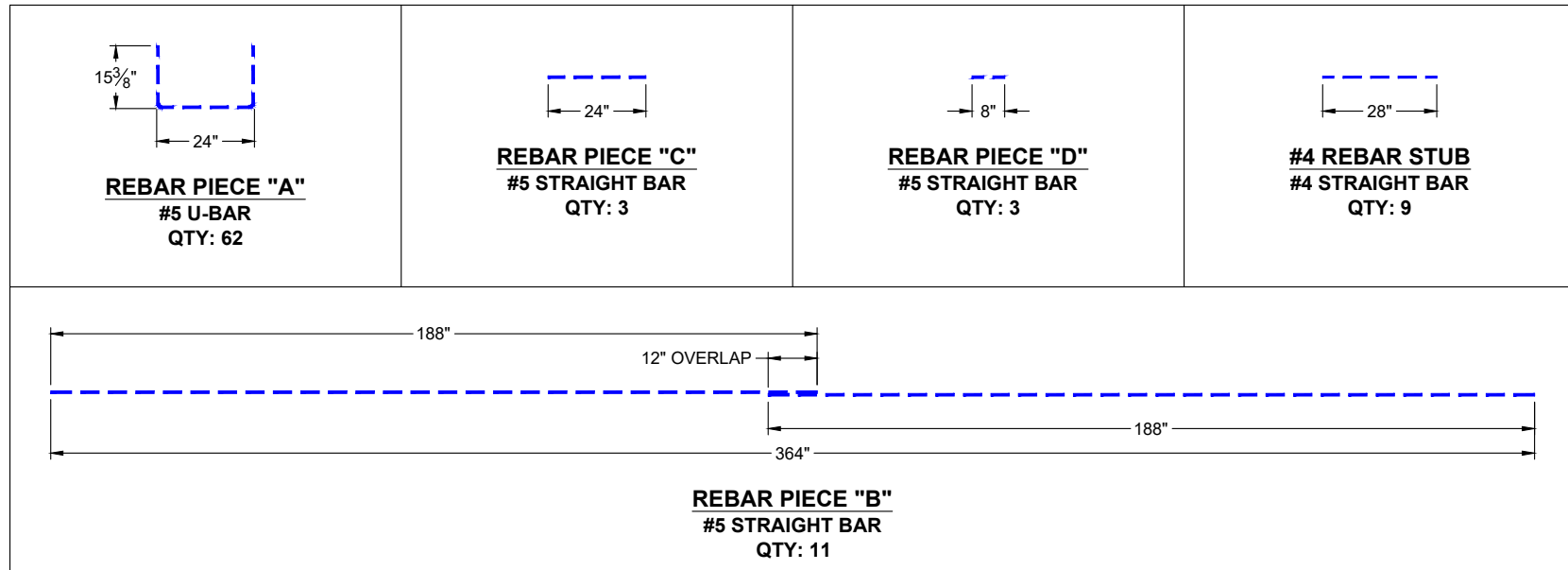
DRAWING: K. CARDWELL

QC CHECK INITIALS:

DATE: 05/19/26

SCALE: NTS

PG. 2 OF 3



PRODUCTION WORK ORDER		PRODUCT I.D.: BX012360-08BAVF	DESCRIPTION: 360" X 12" X 12" BASE - REBAR DETAILS	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ CORRECT THICKNESS. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: EDMONSON PLUMBING & HEATING SUPPLY	
		PLANT: BEAVER DAM, KY	PROJECT: BUCK HILLS SUBDIVISION	
		WEIGHT: 12,943 LBS TOTAL	STRUCTURE: ICAST LI10	
		TOP SECTION JOINT: N / A	ORDER NO: 25-3241	
		BASE SECTION JOINT: FLAT	PE: J.H. ROSS	DRAWING: K. CARDWELL
		QC CHECK INITIALS:	DATE: 05/19/26	SCALE: NTS PG. 3 OF 3

Job Number:

25-3241

Job Name:

Buck Hills Subdivision

Structure:

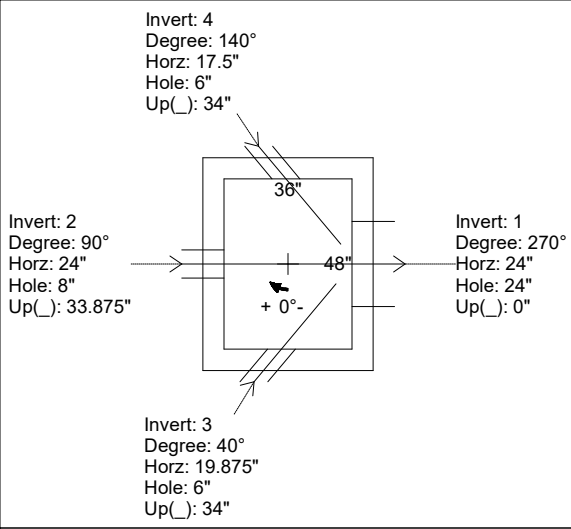
ICAST LI10

Note:

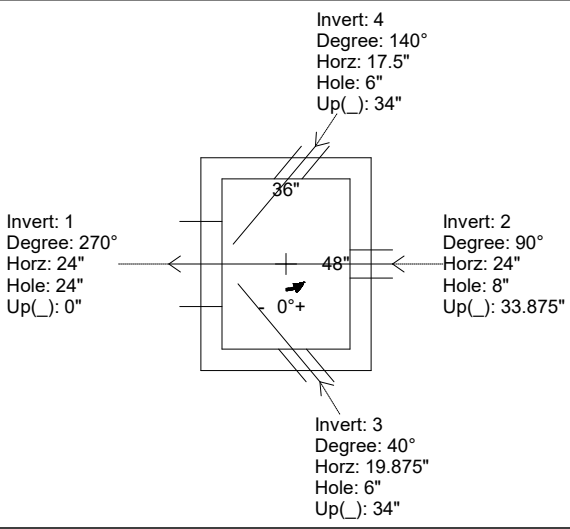
HOE KY-65 Frames Supplied By
iCast To Be Cast Into Top of Walls

Job Name: 26-1227 - Project Colt Job Location: Evansville, IN Contractor: Russell's Excavating					Plant: 100 5/12/2026 11:30:27 AM		Tech: Jared - F PC: A. Chambers				
Structure ID: 207-28 MHC											
P1 BX3648-06W08F-BAVF BOX BASE 6inW, 8inF, Variable Ht F/n											
P2) 36" x 48" - CASTING HEIGHT - 4" P1) 36" x 48" - BOX BASE 6inW, 8inF, Variable Ht F/n - 54" 1) CASTING - HOE 518 DOUBLE F/G 1) 36" x 48" - Conseal CS-102 1.00" 1) Hole - 24 1) Hole - 8 2) Hole - 6					0 lb 6863 lb 331 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 7194 lb		Structure Notes: 1. INDOT INLET TYPE C / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY IACST (HOE 518 DOUBLE F/G). 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: 382.43' Rim to Invert: 4.73' Slack: 0.385" Sump: 1.625" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	377.7'	270°	30"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"	
Invert 2	380.43'	90°	30"	6" HDPE (perf pipe)	6.9"	Hole 8	8"	8"	33.875"	0"	
Invert 3	380.43'	40°	30.875"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	7.832"	34"	-14"	
Invert 4	380.43'	140°	18.375"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	7.832"	34"	15"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											

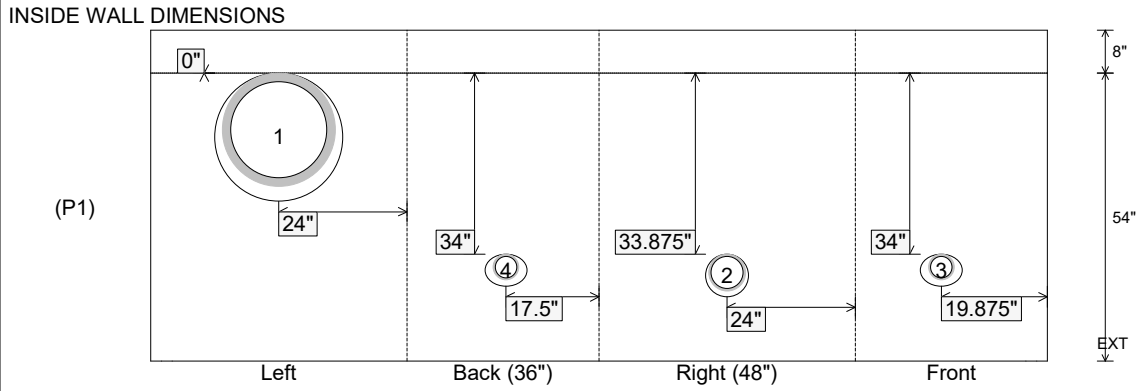
RIGHT-SIDE UP VIEW (int. dimensions)



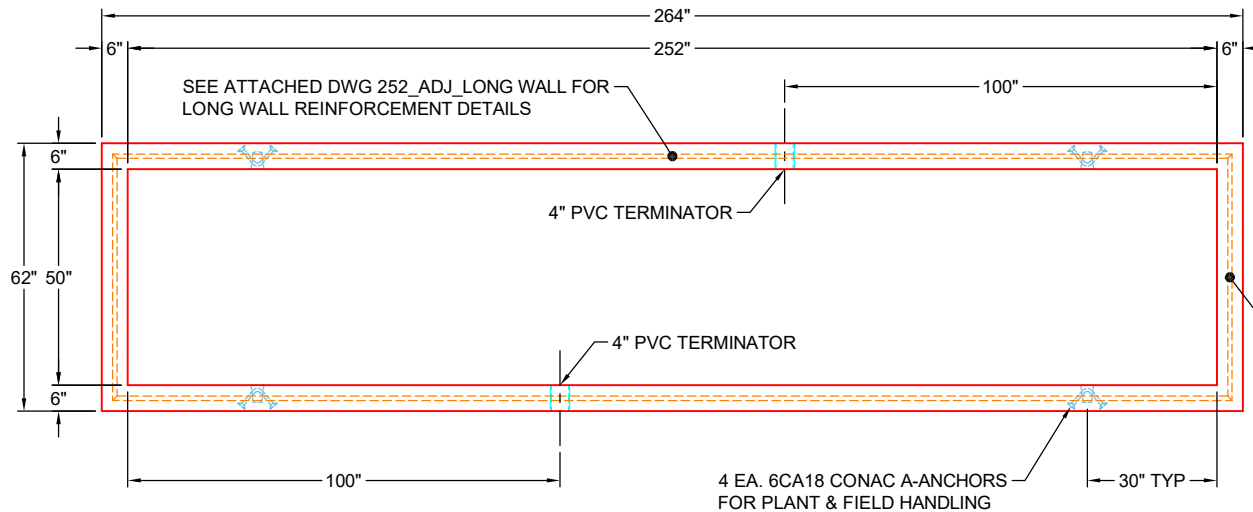
UPSIDE-DOWN VIEW (int. dimensions)



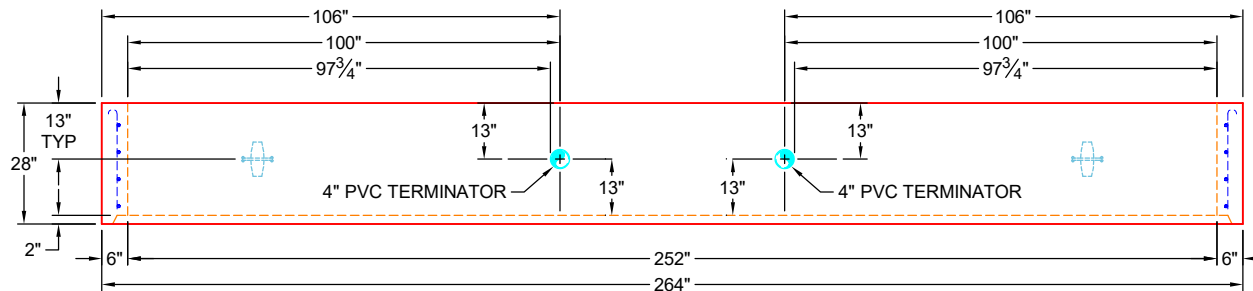
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 54" Height (Ext): 62"	Weight (Net): 6863 lb Volume (Net): 1.75cu.yd
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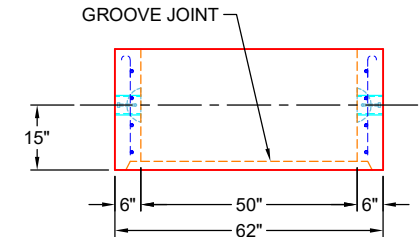
**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION)
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. REINFORCEMENT - MIN. 1 1/2" REBAR
CLEARANCE:
- LONG WALLS: PER ATTACHED DWG 252_ADJ_LONG WALL
- SHORT WALLS: PER ATTACHED DWG SHORT WALL
4. WEIGHTS: 9,178 LBS



**SIDE VIEW
(RIGHT SIDE UP)**

PRODUCTION WORK ORDER

PRODUCT I.D.: CVR

DESCRIPTION: 50" X 252" X 28" RISER



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ HOLE LOCATION(S) CORRECT.
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ EDGES CHAMFERED.
- ☐ GROOVE JOINT INSTALLED.

PRODUCT VIEW: UPSIDE DOWN

CUSTOMER: ENDESOL, INC.

PLANT: BEAVER DAM, KY

PROJECT: 1-26 691249488

WEIGHT: 9,178 LBS

STRUCTURE: 2-61615 1 (EFX-60 21 PN VAULT)

TOP SECTION JOINT: GROOVE

ORDER NO: 26-1615

BASE SECTION JOINT: N / A

PE: J.H. ROSS

DRAWING: J.HORSLEY

QC CHECK INITIALS:

DATE: 04/24/26

SCALE: NTS

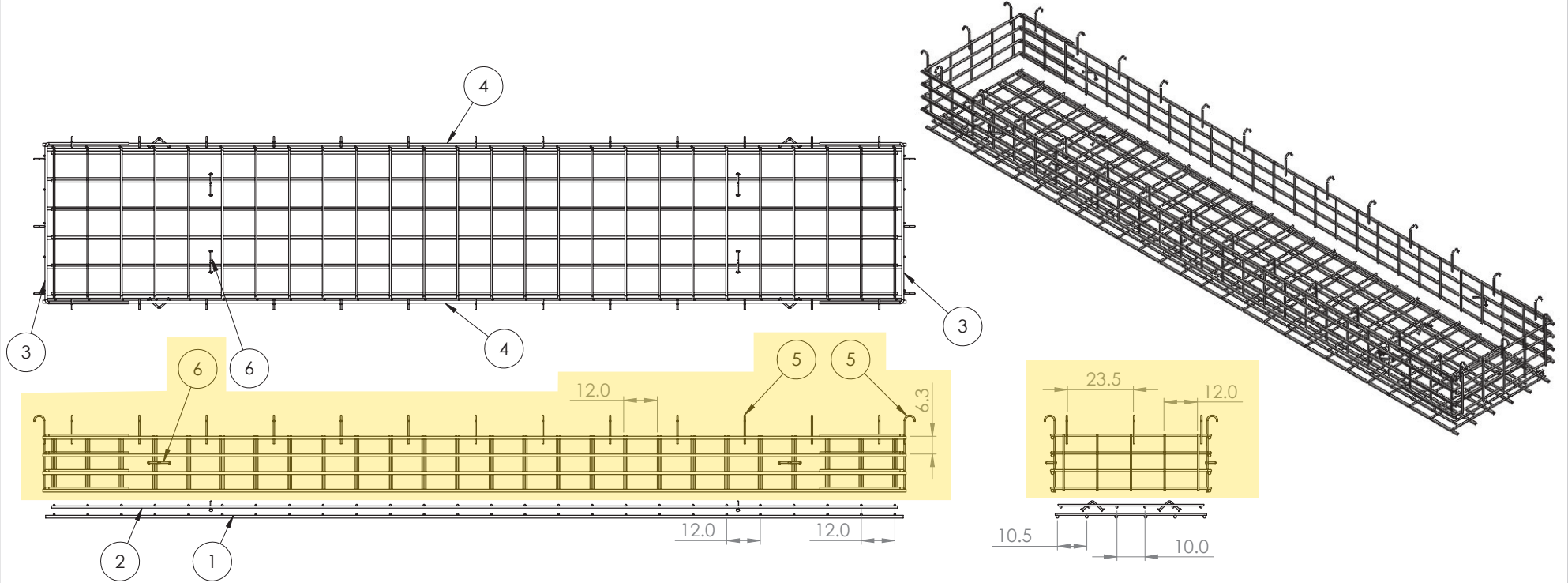
PG. 1 OF 1

4

3

2

1



ITEM NO.	PART NUMBER	Qty.
1	252_Base_Bottom Mat	1
2	252_Base_Top Mat	1
3	Short Wall	2
4	252_ADJ_Long Wall	2
5	#4 0904J	32
6	6CA18	8

NOTES:

1. Rebar: #5, #6, #8 A614 Grade 60
2. All Rebar to have 1.5" Cover Minimum

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENDESOL INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENDESOL INC. IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	ENDESOL TITLE: EFX-60 Adjustable Section Rebar Layout SIZE B DWG. NO. EFX-60 ADJ Rebar REV X1 SCALE: 1:50 WEIGHT: SHEET 1 OF 1	
		DIMENSIONS ARE IN INCHES	DRAWN	CMJ		3-25-16
		TOLERANCES:	CHECKED	JHR		3-25-16
		FRACTIONAL 1/8"	ENG APPR.	XXXX		XXXX
		TWO PLACE DECIMAL .13	MFG APPR.	XXXX		XXXX
		THREE PLACE DECIMAL .125	Q.A.	XXXX		XXXX
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			
		MATERIAL	Rebar A614 G60			
		FINISH	MILL			
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				

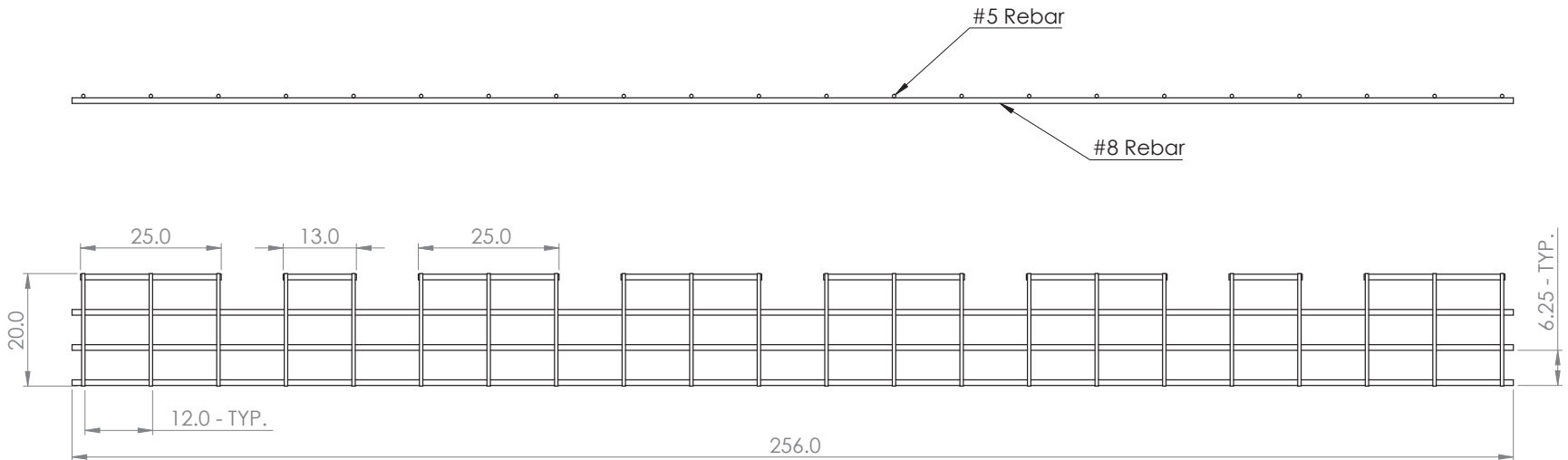
4

3

2

1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	#8_256.0	#8 Rebar	3
2	#5_20.0	#5 Rebar	22
3	#8_25.0	#8 Rebar	6
4	#8_13.0	#8 Rebar	2



A

A

 infrastructure precast, inc.	981 W. 7th Street Beaver Dam, KY 42320 P 270-363-2238 F 270-363-2234 iCastinc.com	DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± ANGULAR: MACH ± BEND ± DECIMAL: ± 0.5"		NAME	DATE	
			DRAWN	CMJ	8/3/20	
			CHECKED	JHR	8/3/20	
			ENG APPR.			
			MFG APPR.			
		MATERIAL		Q.A.		
		FINISH		COMMENTS:		
DO NOT SCALE DRAWING			SIZE DWG. NO. B 252_ADJ_Long Wall		REV.	
			SCALE: 1/50 WEIGHT:		SHEET 1 OF 1	

4

3

2

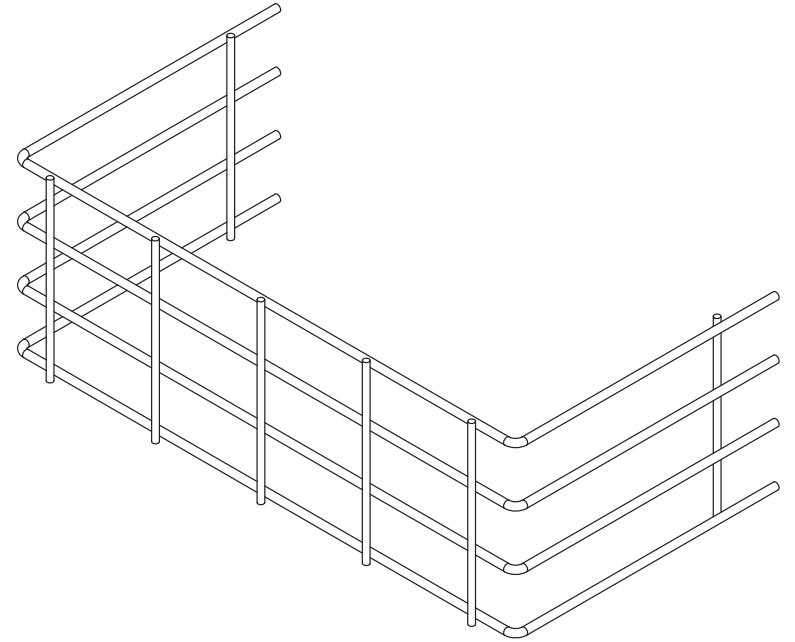
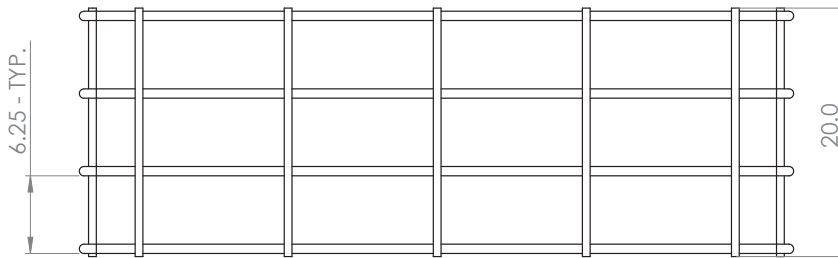
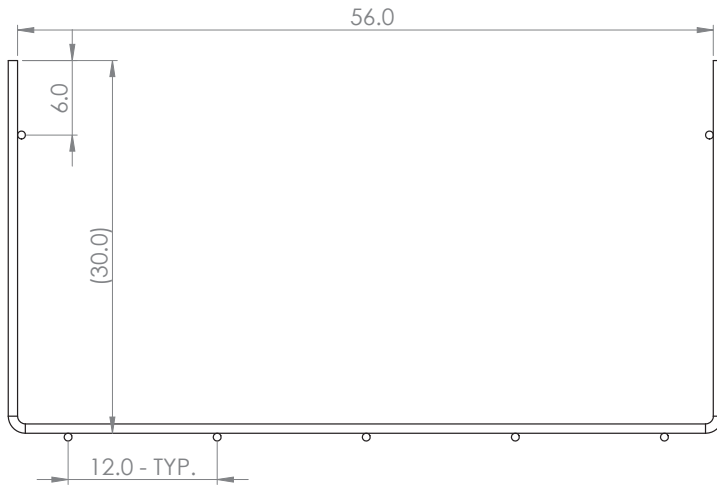
1

4

3

2

1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	6SH	#6 Formed Rebar	4
2	#5_20.0	#5 Rebar	7



981 W. 7th Street
Beaver Dam, KY
42320
P 270-363-2238
F 270-363-2234
iCastinc.com

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL: $\pm$
ANGULAR: MACH: $\pm$ BEND: $\pm$
TWO PLACE DECIMAL: $\pm$
THREE PLACE DECIMAL: $\pm$

MATERIAL

FINISH

DO NOT SCALE DRAWING

DRAWN	NAME	DATE
CHECKED	XXX	
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

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AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF iCast IS PROHIBITED.

SIZE	DWG. NO.	REV.
B	Short Wall	
SCALE: 1:10	WEIGHT:	SHEET 1 OF 1

Job Number:

26-1615

Job Name:

1-26 691249488

Structure:

2-61615 1

Note:

Nosing Kit To Be Shipped. See Chad Jarvis.

Job Name: 24-4171 - McKinney Water District Contract 1B Phase 2
Job Location: Stanford, KY
Contractor: Frederick and May Construction

Plant: 100

5/5/2026 8:17:54 PM

Tech: Jared - F
PC: E. Bradley



Structure ID: METER VAULT - 6

P2 BX4884-06LD08-SP

CB FLAT TOP 6"W w/36"x60" HATCH F/F

P3) 36" x 60" - HATCH (CAST FLUSH) - 3"
P2) 48" x 84" - CB FLAT TOP 6"W w/36"x60" HATCH F/F - 8"
P1) 48" x 84" - BOX BASE 6inW, 6inF, Variable Ht F/n - 54"
1) HATCH (Alum.) - HALLIDAY W1S 36"x60"
1) 48" x 84" - Conseal CS-102 1.00" (Double)
1) 36" x 60" - Conseal CS-102 1.00" (Double)
2) Hole - 6

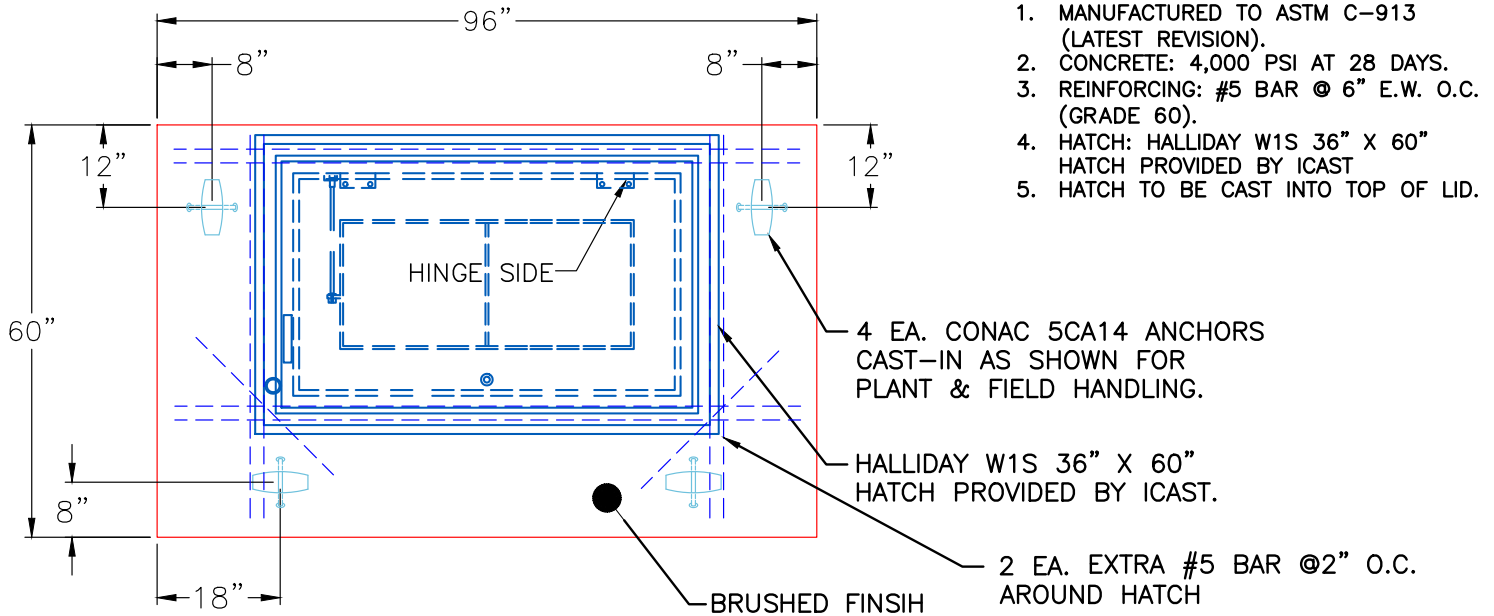
100 lb
2417 lb
10702 lb
116 lb
0 lb
0 lb
0 lb

Structure Total: 13334 lb

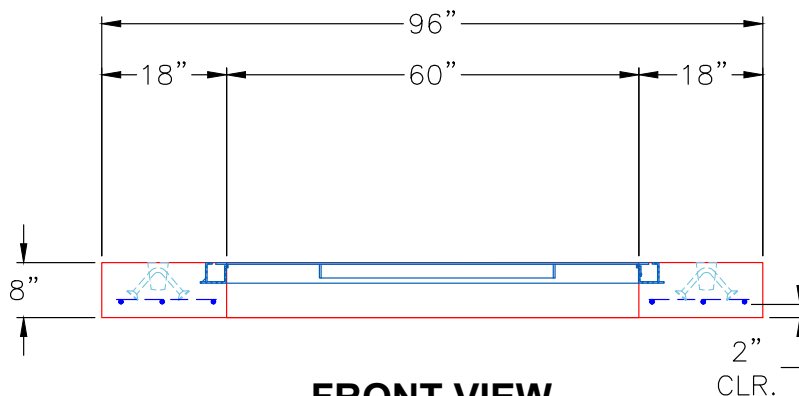
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. HATCH SUPPLIED BY ICAST (HALLIDAY W1S 36"x60").

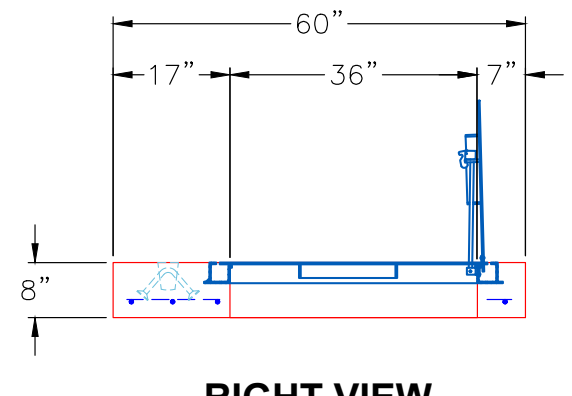
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



FRONT VIEW



RIGHT VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2417 lb
Volume (Net): 0.62cu.yd

Job Name: 24-4171 - McKinney Water District Contract 1B Phase 2
Job Location: Stanford, KY
Contractor: Frederick and May Construction

Plant: 100

5/5/2026 8:17:54 PM

Tech: Jared - F

PC: E. Bradley



Structure ID: METER VAULT - 8

P2 BX4884-06LD08-SP

CB FLAT TOP 6"W w/36"x60" HATCH F/F

P3) 36" x 60" - HATCH (CAST FLUSH) - 3"
P2) 48" x 84" - CB FLAT TOP 6"W w/36"x60" HATCH F/F - 8"
P1) 48" x 84" - BOX BASE 6inW, 6inF, Variable Ht F/n - 54"
1) HATCH (Alum.) - HALLIDAY W1S 36"x60"
1) 48" x 84" - Conseal CS-102 1.00" (Double)
1) 36" x 60" - Conseal CS-102 1.00" (Double)
2) Hole - 6

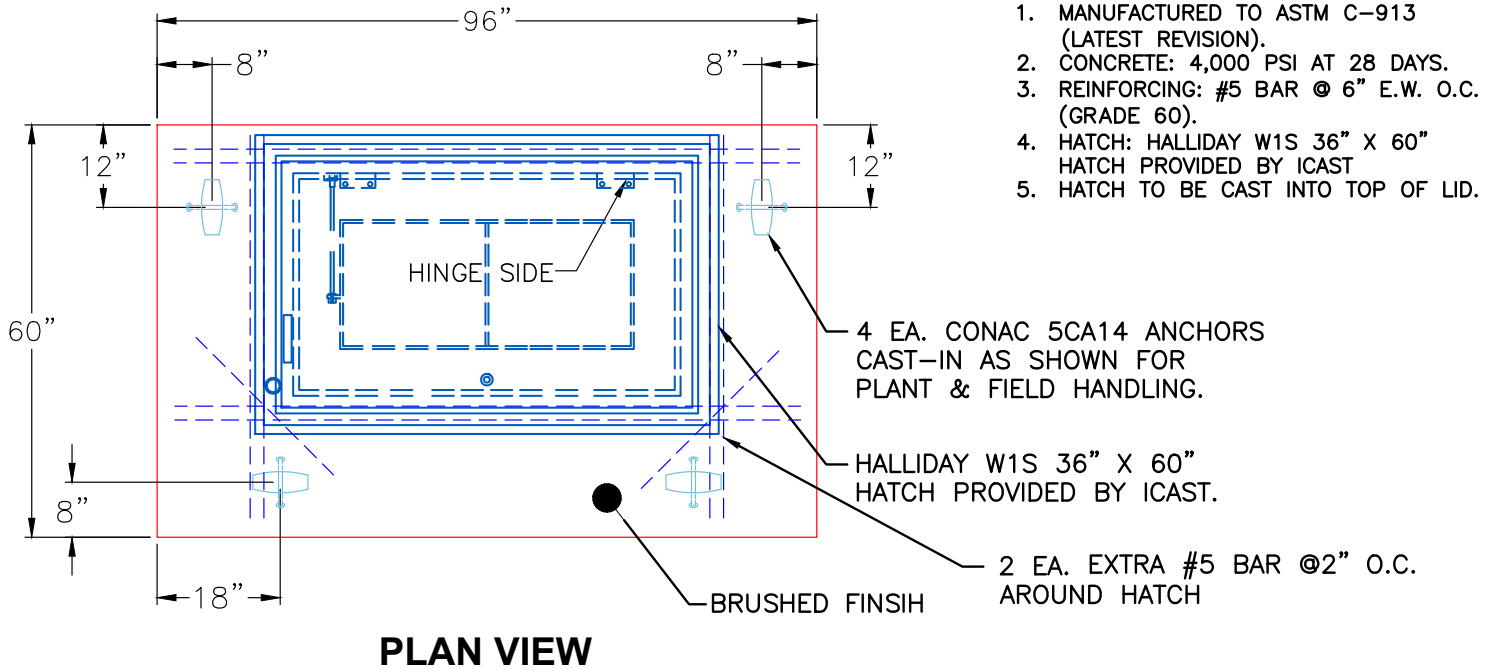
100 lb
2417 lb
10702 lb
116 lb
0 lb
0 lb
0 lb

Structure Total: 13334 lb

Structure Notes:

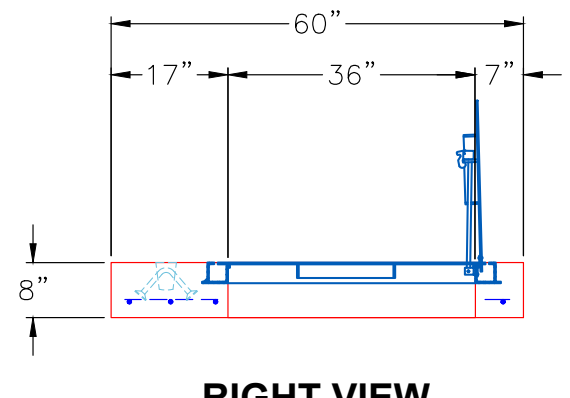
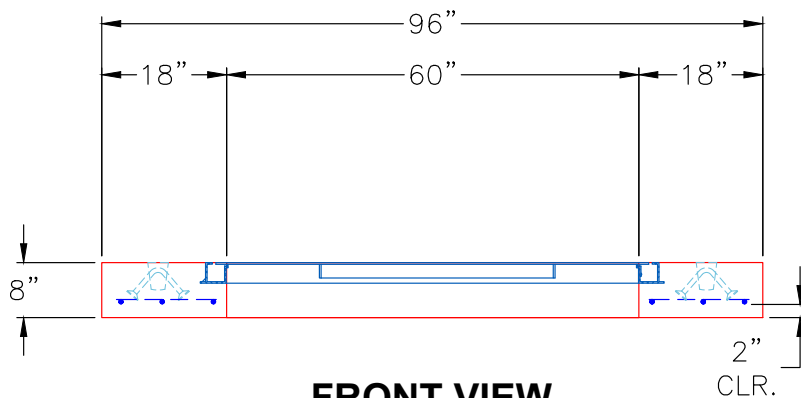
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. HATCH SUPPLIED BY ICAST (HALLIDAY W1S 36"x60").

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.



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).
4. HATCH: HALLIDAY W1S 36" X 60" HATCH PROVIDED BY ICAST
5. HATCH TO BE CAST INTO TOP OF LID.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2417 lb
Volume (Net): 0.62cu.yd

Job Name: 24-4171 - McKinney Water District Contract 1B Phase 2
Job Location: Stanford, KY
Contractor: Frederick and May Construction

Plant: 100

5/5/2026 8:17:54 PM

Tech: Jared - F
PC: E. Bradley



Structure ID: METER VAULT - 7

P2 BX4884-06LD08-SP

CB FLAT TOP 6"W w/36"x60" HATCH F/F

P3) 36" x 60" - HATCH (CAST FLUSH) - 3"
P2) 48" x 84" - CB FLAT TOP 6"W w/36"x60" HATCH F/F - 8"
P1) 48" x 84" - BOX BASE 6inW, 6inF, Variable Ht F/n - 54"
1) HATCH (Alum.) - HALLIDAY W1S 36"x60"
1) 48" x 84" - Conseal CS-102 1.00" (Double)
1) 36" x 60" - Conseal CS-102 1.00" (Double)
2) Hole - 6

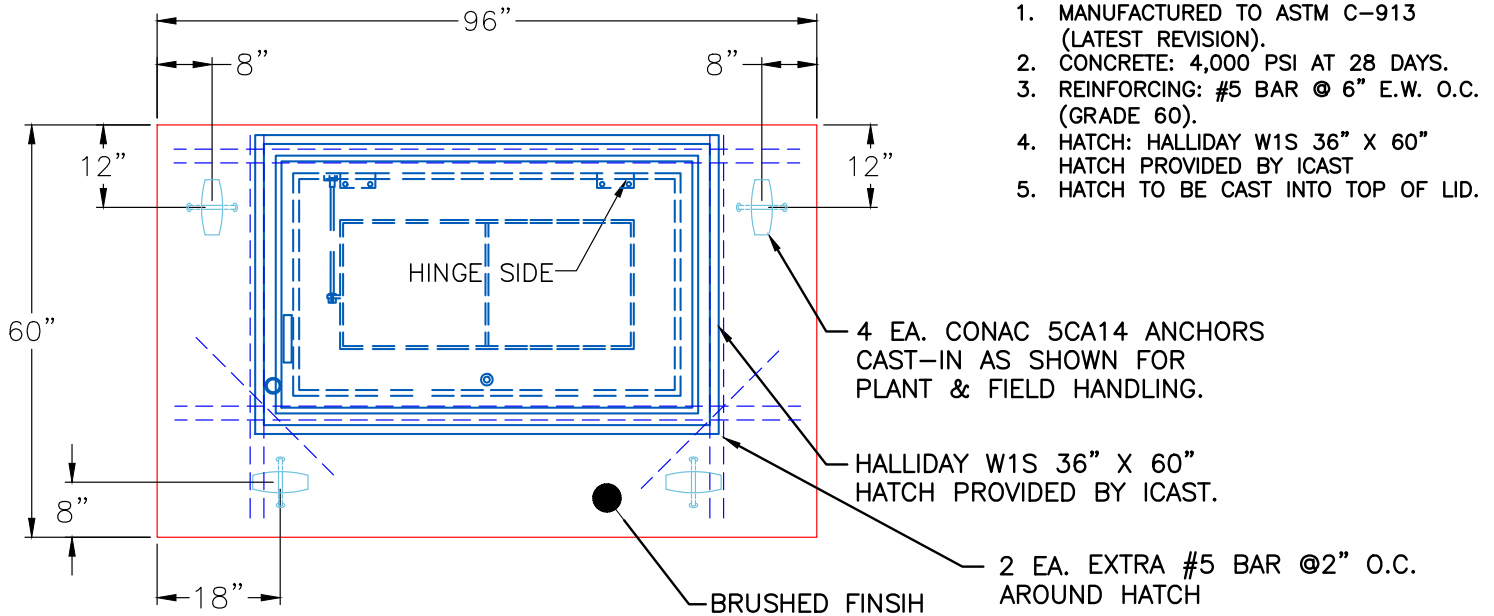
100 lb
2417 lb
10702 lb
116 lb
0 lb
0 lb
0 lb

Structure Total: 13334 lb

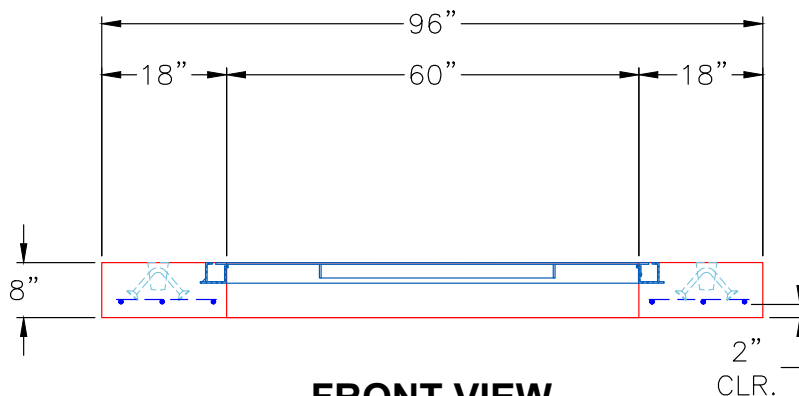
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. HATCH SUPPLIED BY ICAST (HALLIDAY W1S 36"x60").

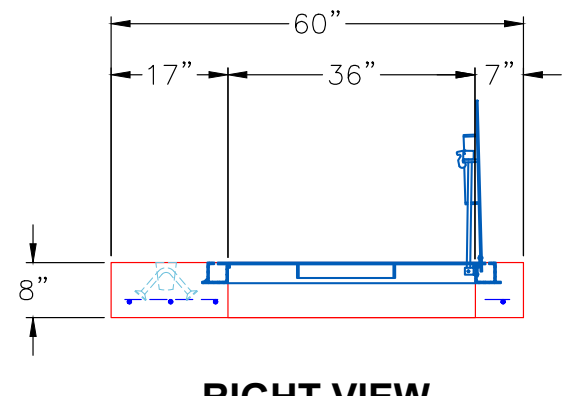
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



FRONT VIEW



RIGHT VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2417 lb
Volume (Net): 0.62cu.yd

Job Name: 24-4171 - McKinney Water District Contract 1B Phase 2
Job Location: Stanford, KY
Contractor: Frederick and May Construction

Plant: 100

5/5/2026 8:17:54 PM

Tech: Jared - F
PC: E. Bradley



Structure ID: METER VAULT - 5

P2 BX4884-06LD08-SP

CB FLAT TOP 6"W w/36"x60" HATCH F/F

P3) 36" x 60" - HATCH (CAST FLUSH) - 3"
P2) 48" x 84" - CB FLAT TOP 6"W w/36"x60" HATCH F/F - 8"
P1) 48" x 84" - BOX BASE 6inW, 6inF, Variable Ht F/n - 54"
1) HATCH (Alum.) - HALLIDAY W1S 36"x60"
1) 48" x 84" - Conseal CS-102 1.00" (Double)
1) 36" x 60" - Conseal CS-102 1.00" (Double)
2) Hole - 6

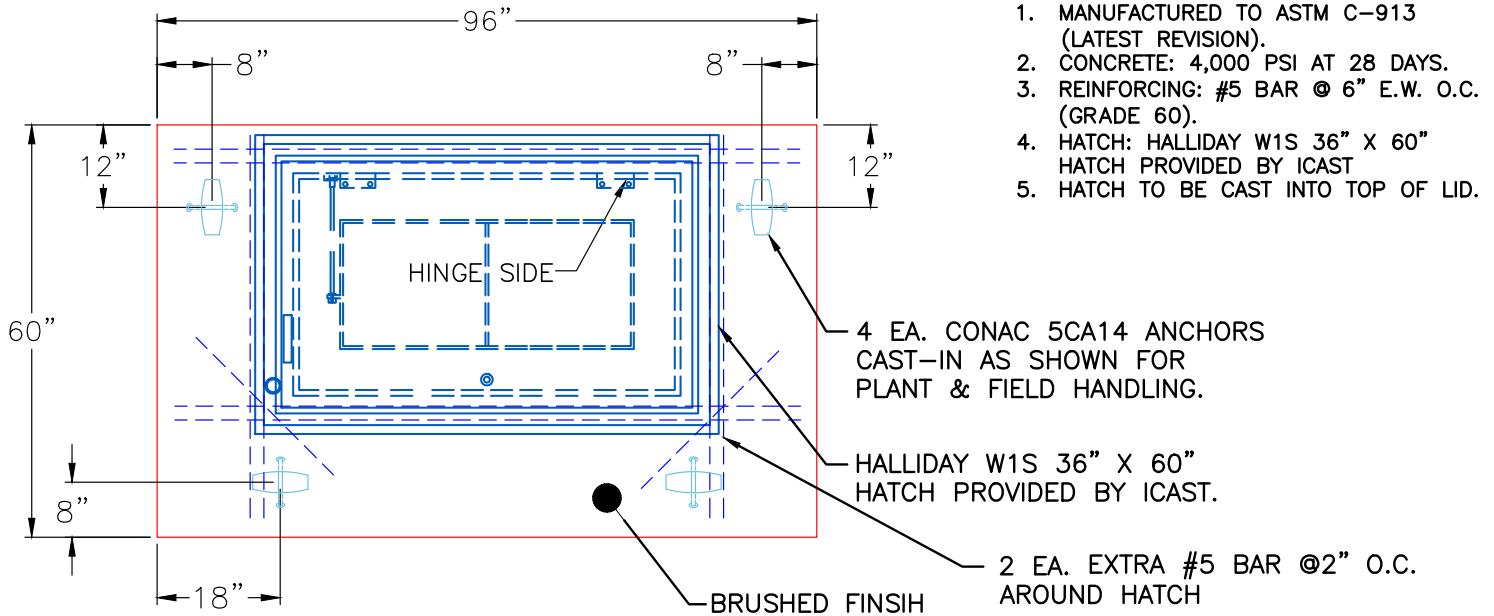
100 lb
2417 lb
10702 lb
116 lb
0 lb
0 lb
0 lb

Structure Total: 13334 lb

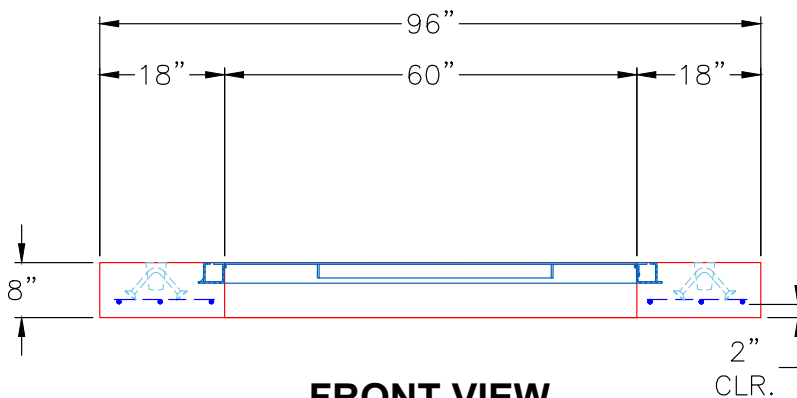
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. HATCH SUPPLIED BY ICAST (HALLIDAY W1S 36"x60").

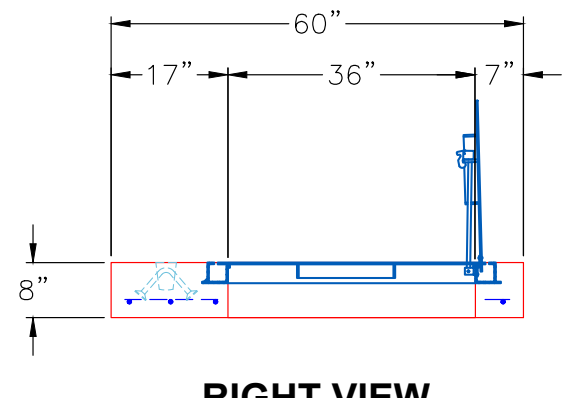
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



FRONT VIEW



RIGHT VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2417 lb
Volume (Net): 0.62cu.yd