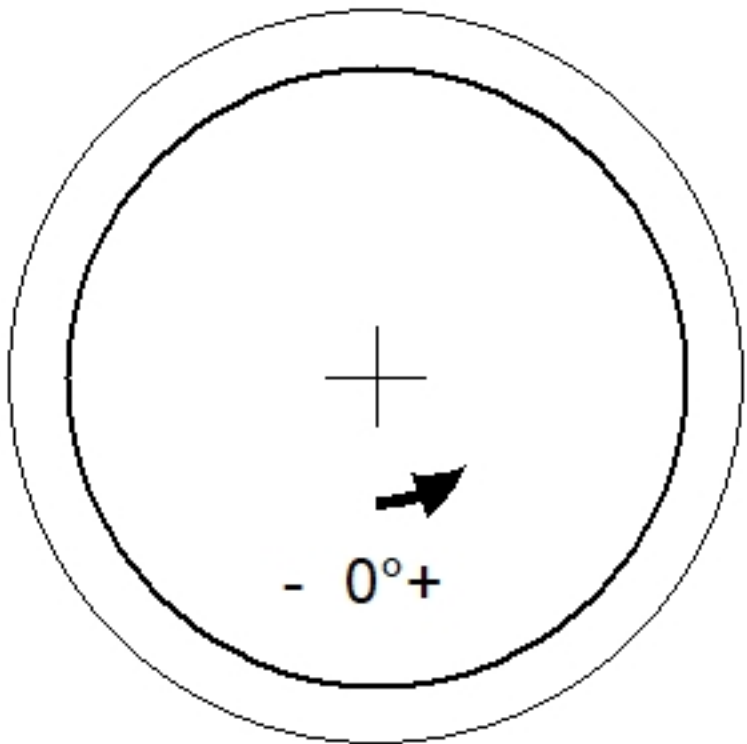
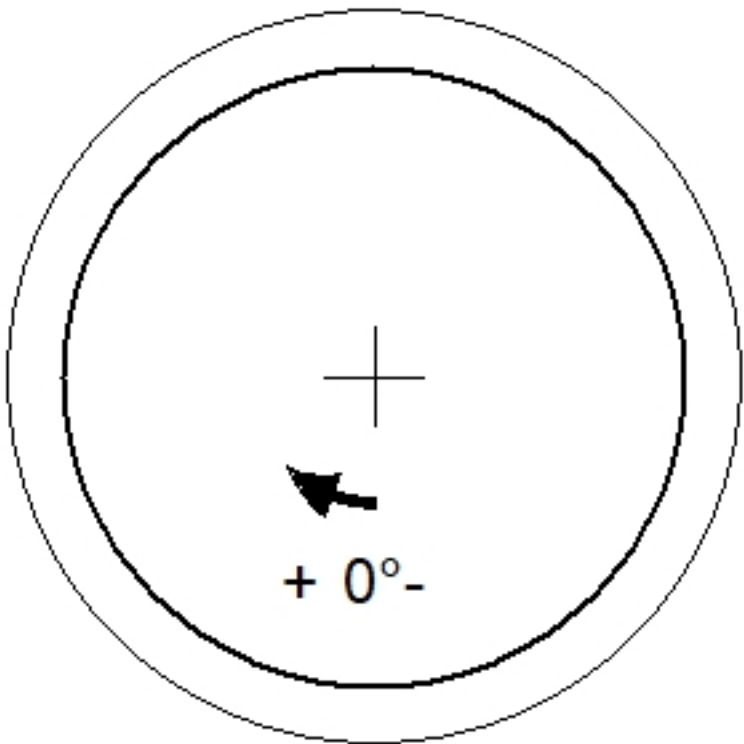
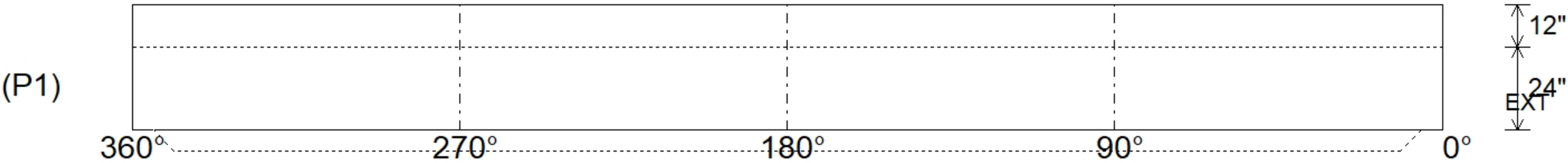


Job Name: 26-3054 ADS Couchville Online Job Location: Nashville, TN Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 7/23/2026 12:29:28 PM		Tech: S. Felletter PC: T. Ryan						
Structure ID: WQU2													
P1 MH120BVF			MH BASE T/n										
P6) 24" - CASTING HEIGHT - 7" P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18" P4) 120" - MH RISER T/G - 24" P3) 120" - MH RISER T/G - 96" P2) 120" - MH RISER Custom Ht T/G - 91" P1) 120" - MH BASE T/n - 24" 1) ASSEMBLY REQUIRED - BRACKETS ONLY 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Storm 4) 120" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Hole - 34						0 lb 16678 lb 9117 lb 34772 lb 34568 lb 25064 lb 0 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 120470 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. ASSEMBLY REQUIRED - BRACKETS ONLY. . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .36) - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.					
Rim: 554.82' Rim to Invert: 8.2' Slack: 0.4" Sump: 162" Step Position: 0°													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)  INSIDE WALL DIMENSIONS  Coating (Int): Coating (Ext): Seam Up: Tongue Seam Dn: n/a Wall Thickness: 11" Floor Height: 12" Height (Int): 24" Height (Ext): 36" Weight (Net): 25064 lb Volume (Net): 6.4cu.yd													

Job Name: 26-3054 ADS Couchville Online
Job Location: Nashville, TN
Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

7/23/2026 12:30:22 PM

Tech: S. Felletter

PC: T. Ryan



Structure ID: WQU1

P5 MH120LD18

MH FLAT LID w/24in CON Hole F/G

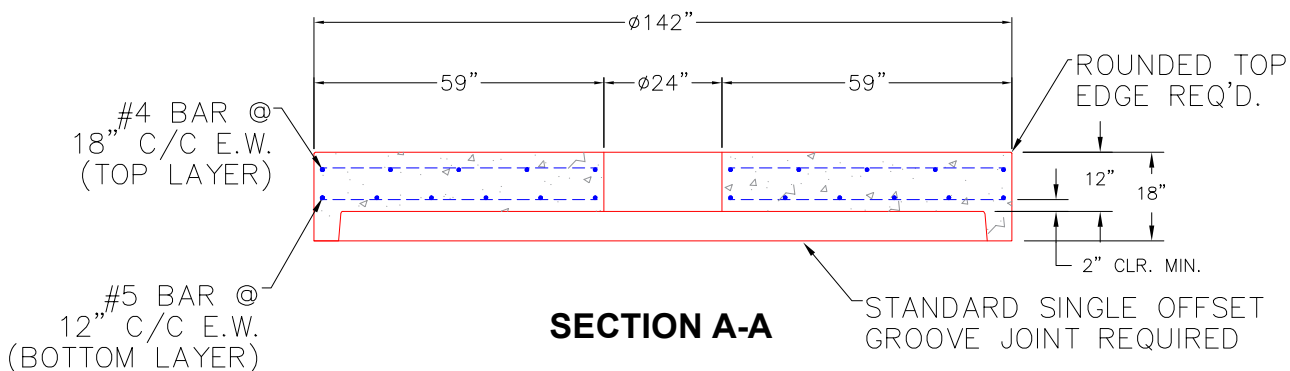
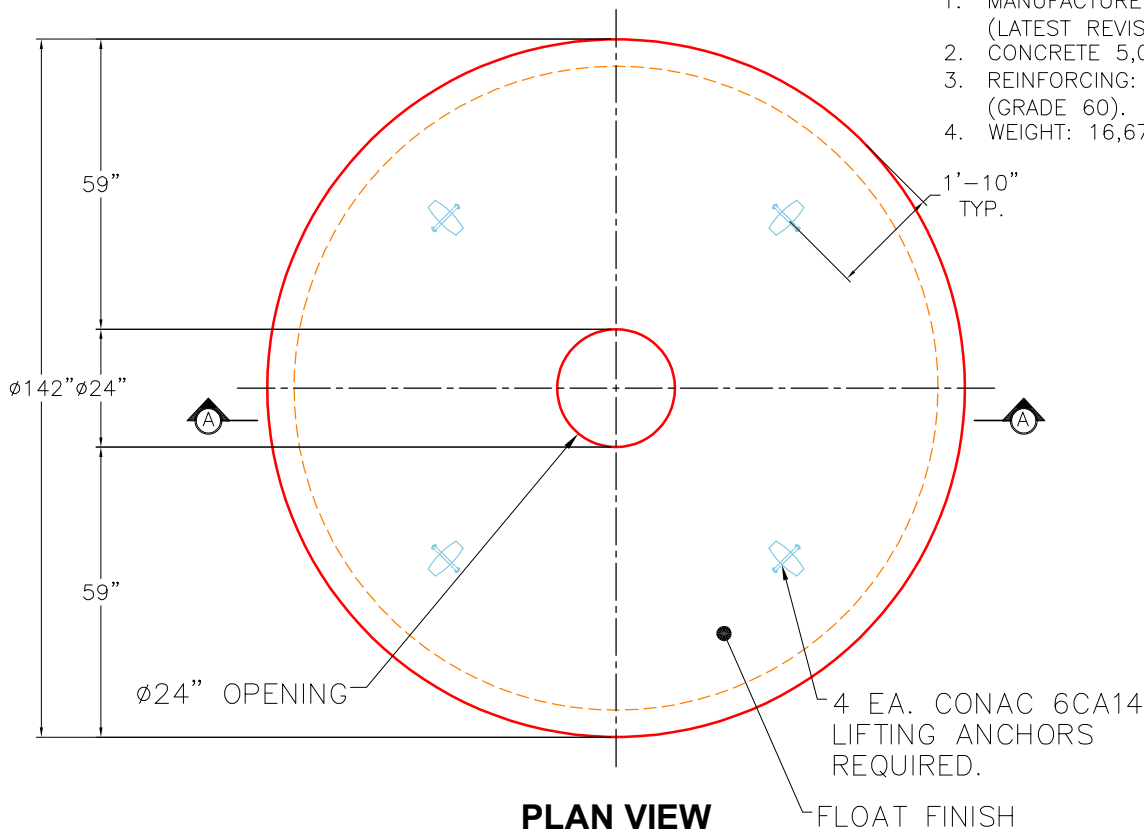
- P6) 24" - CASTING HEIGHT - 7"
P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18"
P4) 120" - MH RISER T/G - 24"
P3) 120" - MH RISER T/G - 96"
P2) 120" - MH RISER T/G - 84"
P1) 120" - MH BASE T/n - 24"
1) ASSEMBLY REQUIRED - BRACKETS ONLY
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) CASTING - HOE MC-375 F/C Storm
4) 120" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) Hole - 34

- 0 lb
16678 lb
9117 lb
34772 lb
31909 lb
25064 lb
0 lb
0 lb
0 lb
271 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-375 F/C "STORM").
4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.
5. ASSEMBLY REQUIRED - BRACKETS ONLY.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .36)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Structure Total: 117811 lb

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 5,000 PSI AT 28 DAYS.
3. REINFORCING: #4 & #5 BAR AS SHOWN (GRADE 60).
4. WEIGHT: 16,678 LBS.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

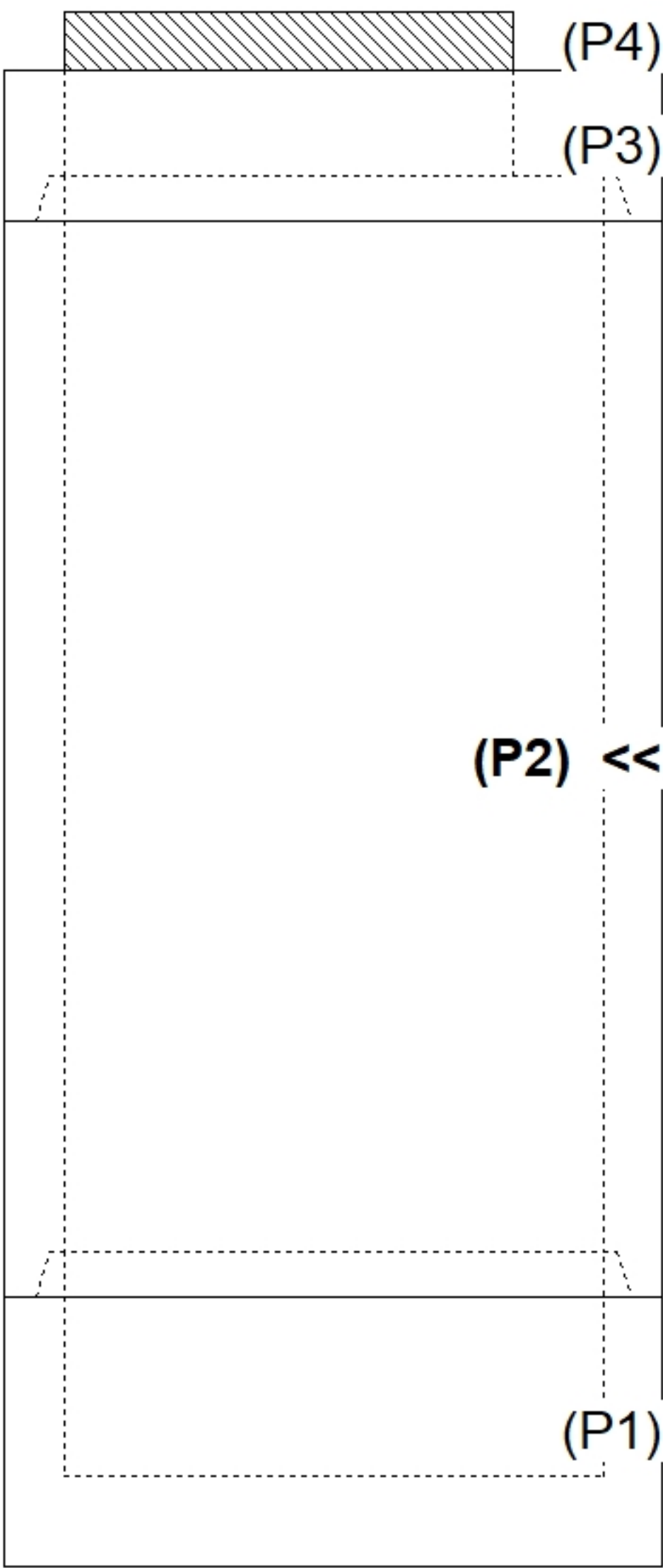
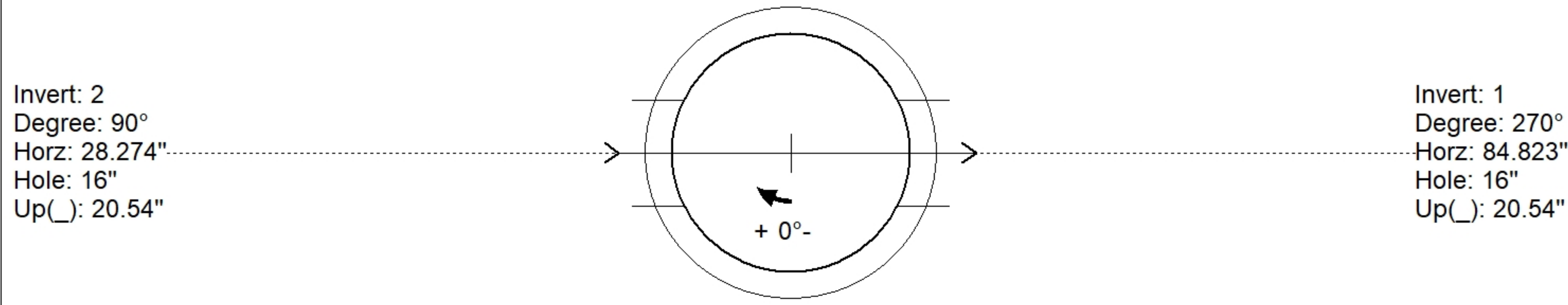
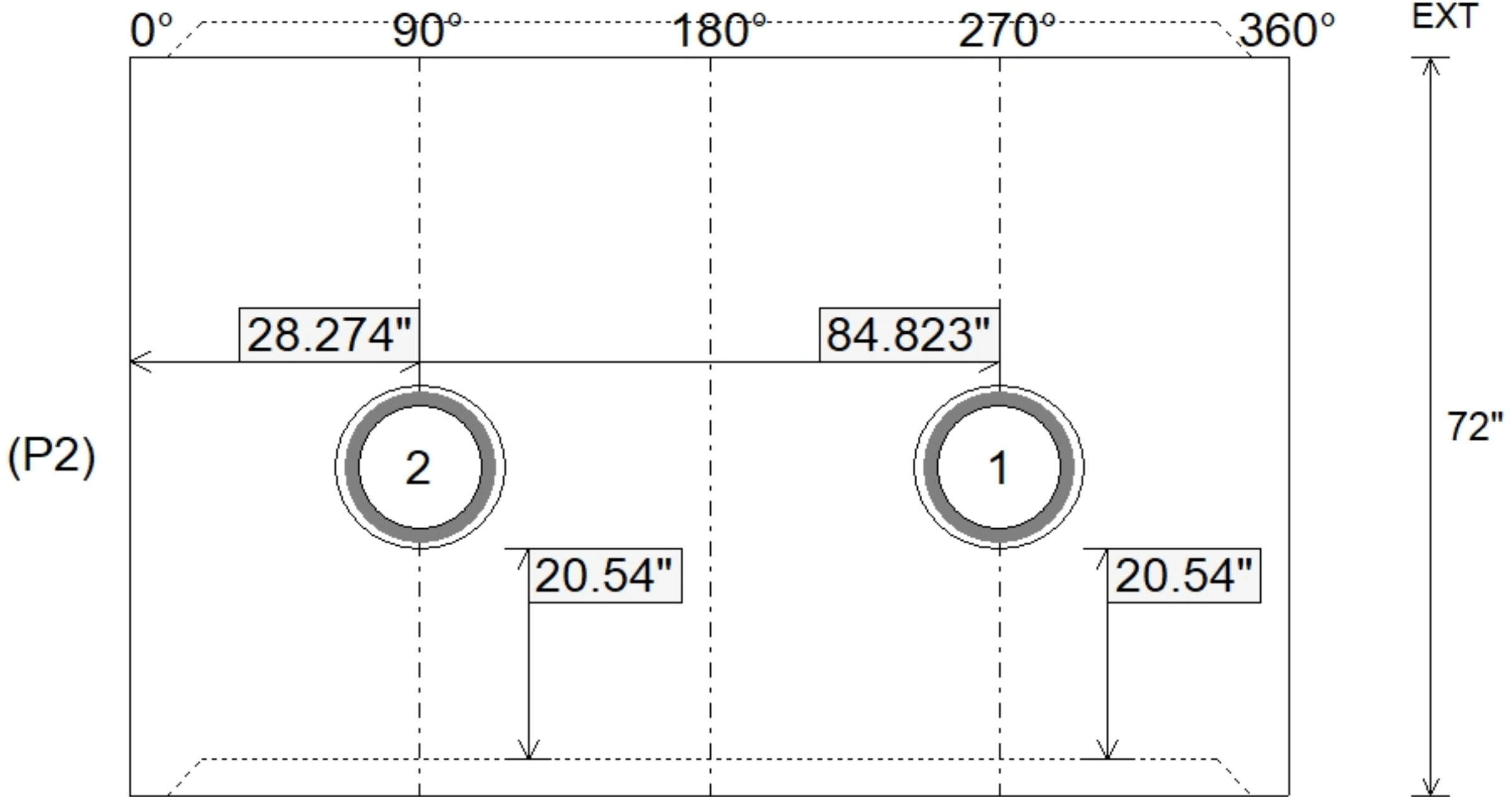
Wall Thickness: 11"

Height (Ext): 18"

Weight (Net): 16678 lb
Volume (Net): 4.26cu.yd

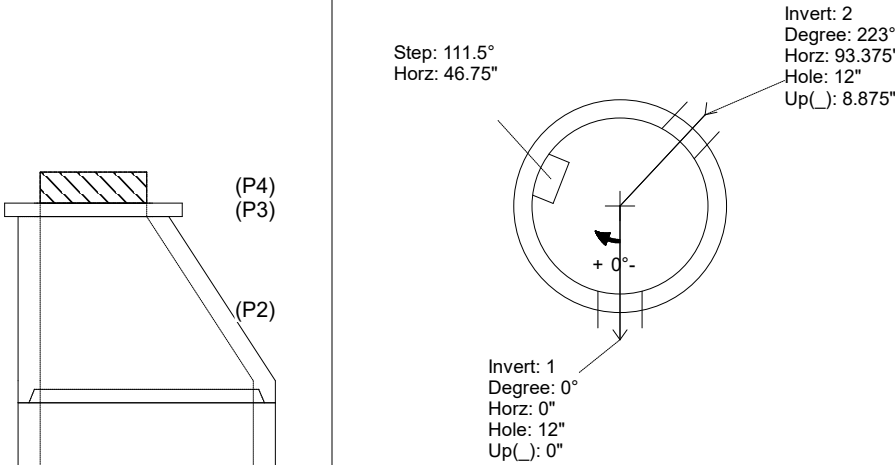


Weight (Net): 36004 lb
Volume (Net): 9.2cu.yd

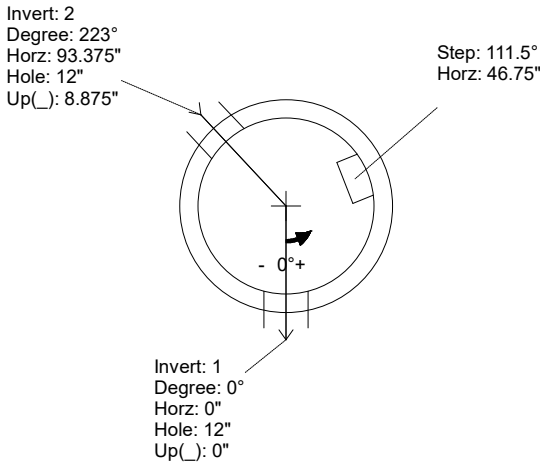
Job Name: 26-3091 907597 Ives Field Rec Enhance Job Location: Shelby Twp, MI Contractor: Contech Engineering Solutions					Plant: Beaver Dam 7/20/2026 9:18:19 AM		Tech: S. Felletter PC: C. Goff				
Structure ID: 10-CS-3											
P2		MH036RS72		MH RISER T/G							
P4) 30" - CASTING HEIGHT - 4" P3) 36" - MH FLAT LID w/30in ECC Hole F/G - 10" P2) 36" - MH RISER T/G - 72" P1) 36" - MH BASE T/n - 12" 1) ASSEMBLY REQUIRED 1) CVSTENCILING 2) 36" - Conseal CS-102 1.00" 2) Hole - 16						0 lb 683 lb 2898 lb 1272 lb 0 lb 0 lb 0 lb 0 lb ----- 0 lb		Structure Notes: 4" CASTING BY OTHERS LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE ICAST TO INSTALL THE INTERNALS CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE			
Rim: 639.8' Rim to Invert: 5.98' Slack: 11.8" Sump: 38.04" Step Position:						Structure Total: 4852 lb					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	633.82'	270°	103.673"	12" HDPE	14.5"	Hole 16	16"	16.58"	20.54"	0"	
Invert 2	633.82'	90°	34.558"	12" HDPE	14.5"	Hole 16	16"	16.58"	20.54"	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: 4" Floor Height: 0"		Height (Int): 72" Height (Ext): 72"		Weight (Net): 2898 lb Volume (Net): 0.74cu.yd		

Job Name: 26-1077 - Westside Markets of Greensboro Village Job Location: Gallatin, TN Contractor: Cleary Construction, Inc.					Plant: 100 3/30/2026 11:50:10 AM		Tech: J. Coppage - F PC: C. Goff					
Structure ID: Z6												
P1 MH048BA36CDARED					MH BASE w/ConBlock-CDA Red T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3" P2) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) ADMIXTURE CONBLOCK CDA RED 1) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 3116 lb 3749 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 8 lb 8 lb 0 lb ----- 8524 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING SUPPLIED BY OTHERS (JBS 1150 F/C SANITARY). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 502.7' Rim to Invert: 7.2' Slack: 0.4" Sump: 2" Step Position: 111.5°												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	495.5'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"		
Invert 2	496.32'	223°	112.875"	6" PVC SDR26	6.25"	PSX 12-06 NYLO	12"	12.129"	8.875"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

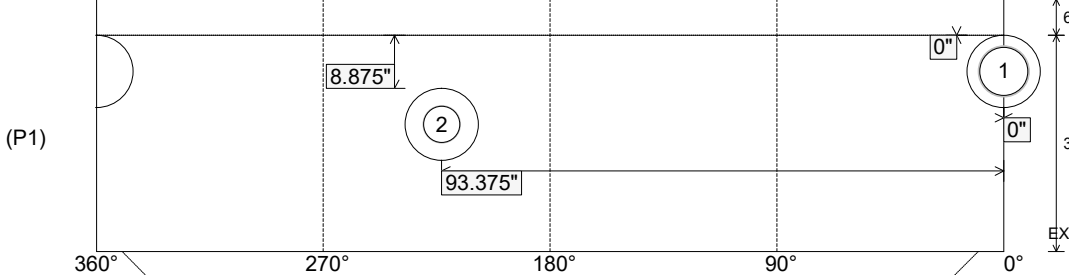
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 26-1077 - Westside Markets of Greensboro Village Job Location: Gallatin, TN Contractor: Cleary Construction, Inc.					Plant: 100		Tech: J. Coppage - F			
					3/30/2026 11:50:10 AM		PC: C. Goff			
Structure ID: Z6										
P1 MH048BA36CDARED					MH BASE w/ConBlock-CDA Red T/n					
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3" P2) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 42" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) ADMIXTURE CONBLOCK CDA RED 1) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 3116 lb 3749 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 8 lb 8 lb 0 lb ----- Structure Total: 8524 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING SUPPLIED BY OTHERS (JBS 1150 F/C SANITARY). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 502.7' Rim to Invert: 7.2' Slack: 0.4" Sump: 2" Step Position: 111.5°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	495.5'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	496.32'	223°	112.875"	6" PVC SDR26	6.25"	PSX 12-06 NYLO	12"	12.129"	8.875"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 26-3096 Saint Margaret Mary Parish Center
Job Location: Louisville, KY
Contractor: St. Margaret Mary Catholic Church c/o H&W Landwork

Plant: Beaver Dam
7/27/2026 9:07:07 AM

Tech: S. Felletter
PC: T. Lewis



Structure ID: PR DH MH ST-MHDH

P1 MH048DHVF

MH DH RISER Custom Ht T/F

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
P1) 48" - MH DH RISER Custom Ht T/F - 29"
1) CASTING - HOE MC-420 F/C Storm LOU-MSD
1) 48" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) DOGHOUSE - 12"x18"
1) Hole - 16
2) MH Step ML-10-TDS-NCR - 10"

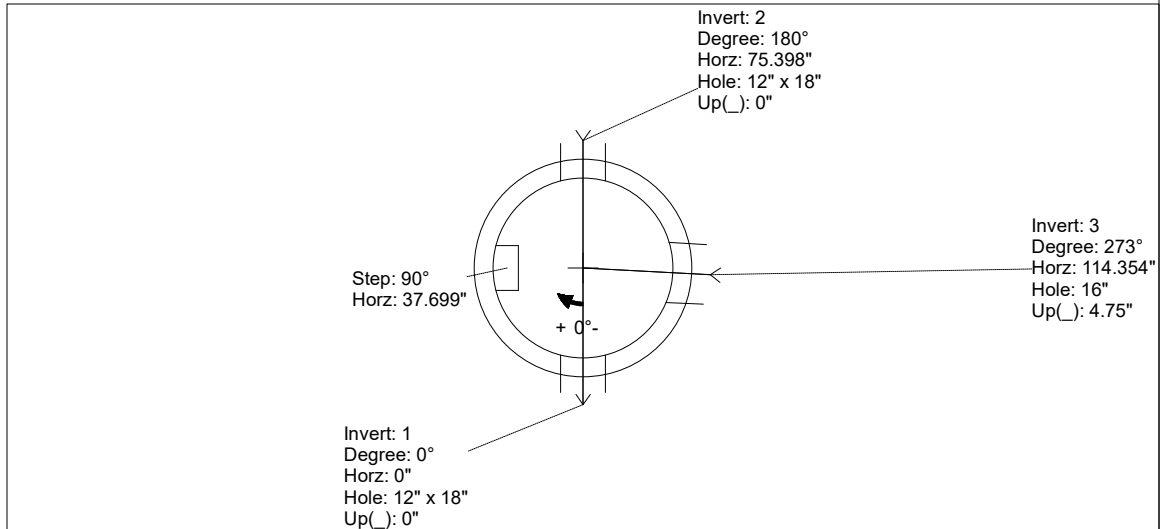
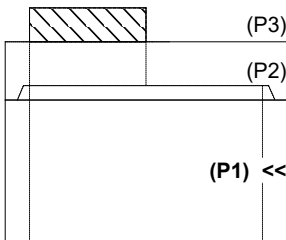
0 lb
1561 lb
1776 lb
340 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 3677 lb

Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-420 F/C "STORM" LOU-MSD).
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER (As .12)

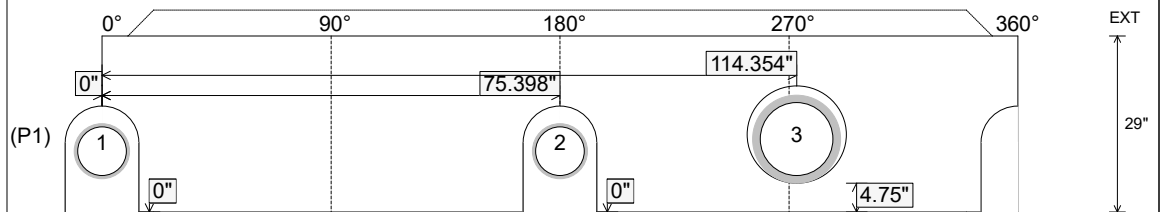
Rim: 559.96' Rim to Invert: 3.63' Slack: 1.56' Sump: 0' Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	556.33'	0°	0"	8" HDPE	9.1"	DOGHOUSE 12"x18"	12" x 18"	12.129"	0"	0"
Invert 2	556.33'	180°	91.106"	8" HDPE	9.1"	DOGHOUSE 12"x18"	12" x 18"	12.129"	0"	0"
Invert 3	556.33'	273°	138.178"	12" HDPE	14.5"	Hole 16	16"	16.312"	4.75"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Flat

Wall Thickness: 5"
Floor Height: 0"

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

Weight (Net): 1776 lb
Volume (Net): 0.45cu.yd

Job Name: 26-3096 Saint Margaret Mary Parish Center

Job Location: Louisville, KY

Contractor: St. Margaret Mary Catholic Church c/o H&W Landwork

Plant: Beaver Dam

7/27/2026 9:05:51 AM

Tech: S. Felletter

PC: T. Lewis

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: PR MH 1 ST-MH

P1 MH048BAVF

MH BASE Custom Ht T/n

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"

P1) 48" - MH BASE Custom Ht T/n - 53"

1) CASTING - HOE MC-420 F/C Storm LOU-MSD

1) 48" - Conseal CS-102 1.00"

1) 24" - Conseal CS-102 1.00"

2) Hole - 16

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

0 lb

1561 lb

4861 lb

340 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 6762 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MC-420 F/C "STORM" LOU-MSD).

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: 560.72'

Rim to Invert: 6.03'

Slack: 1.61"

Sump: 1.25"

Step Position: 240

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	554.69'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	0"	0"
Invert 2	554.69'	115°	58.207"	12" HDPE	14.5"	Hole 16	16"	16.312"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2

Degree: 115°

Horz: 48.171"

Hole: 16"

Up(): 0"

Step: 240°

Horz: 100.531"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 16"

Up(): 0"

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

360°

270°

180°

90°

0°

0"

48.171"

0"

6"

53"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 53"

Height (Ext): 59"

Weight (Net): 4861 lb

Volume (Net): 1.24cu.yd

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

Plant: Beaver Dam
6/9/2026 10:40:27 AM

Tech: S. Felletter
PC: Erica Bradley



Structure ID: R36

P2 MH048LD07-28SQ

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

- P3) 28" x 28" - CASTING HEIGHT - 5"
P2) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7"
P1) 48" - MH BASE Custom Ht F/n - 39"
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT
1) CASTING - JBS 3104-V SINGLE SET
1) 48" - Conseal CS-102 1.00"
1) 28" x 28" - Conseal CS-102 1.00"
3) Hole - 26
3) MH Step ML-10-TDS-NCR - 10"

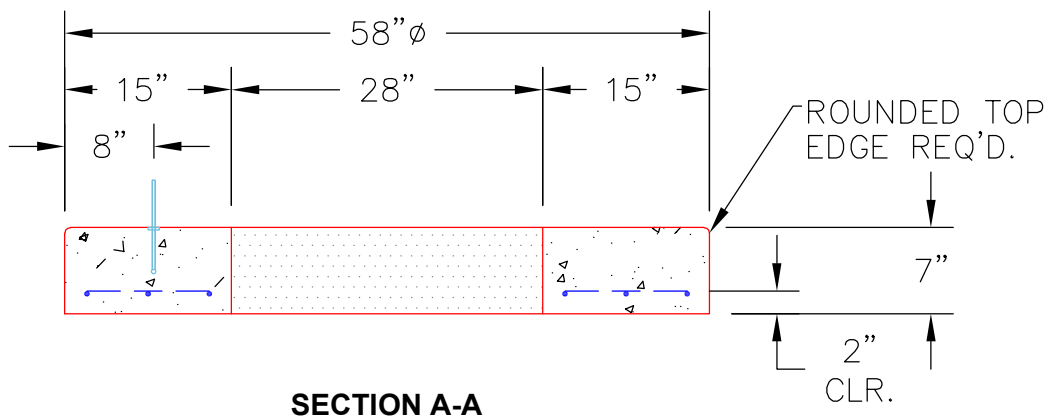
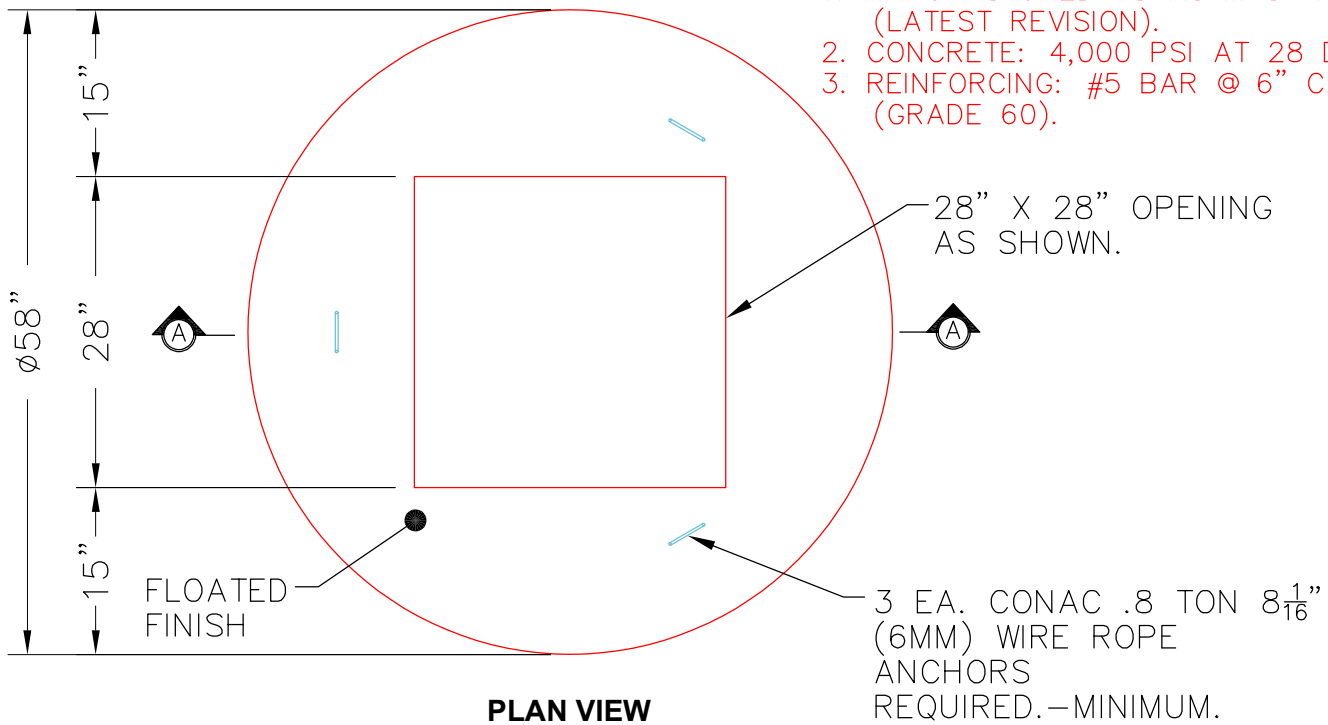
0 lb
1091 lb
3355 lb
1075 lb
250 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 5772 lb

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

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

NOTES:

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



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 5"	Height (Ext): 7"	Weight (Net): 1091 lb Volume (Net): 0.28cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1
Job Location: Murfreesboro, TN
Contractor: Bear Construction LLC

Plant: Beaver Dam
6/9/2026 10:40:24 AM

Tech: S. Felletter
PC: Erica Bradley



Structure ID: R19

P2 MH048LD12-28SQ

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

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

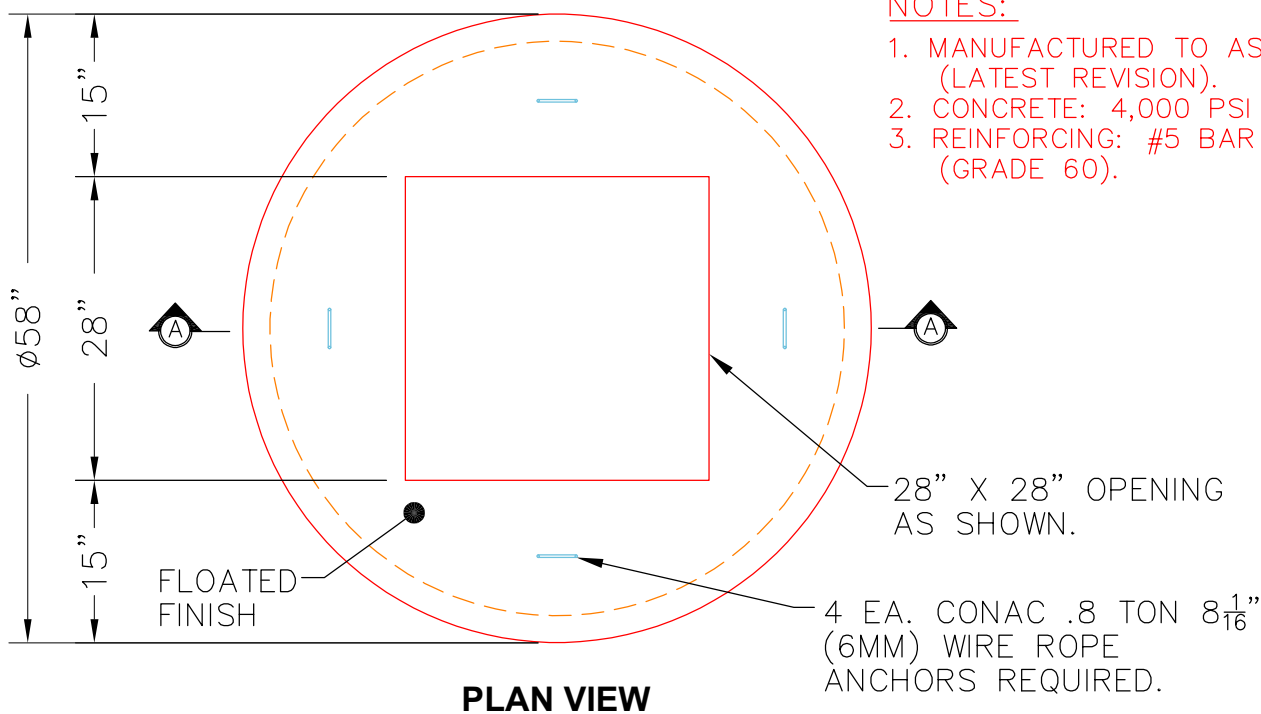
Structure Total:

0 lb
1368 lb
3565 lb
1075 lb
250 lb
0 lb
0 lb
0 lb
0 lb
6258 lb

Structure Notes:

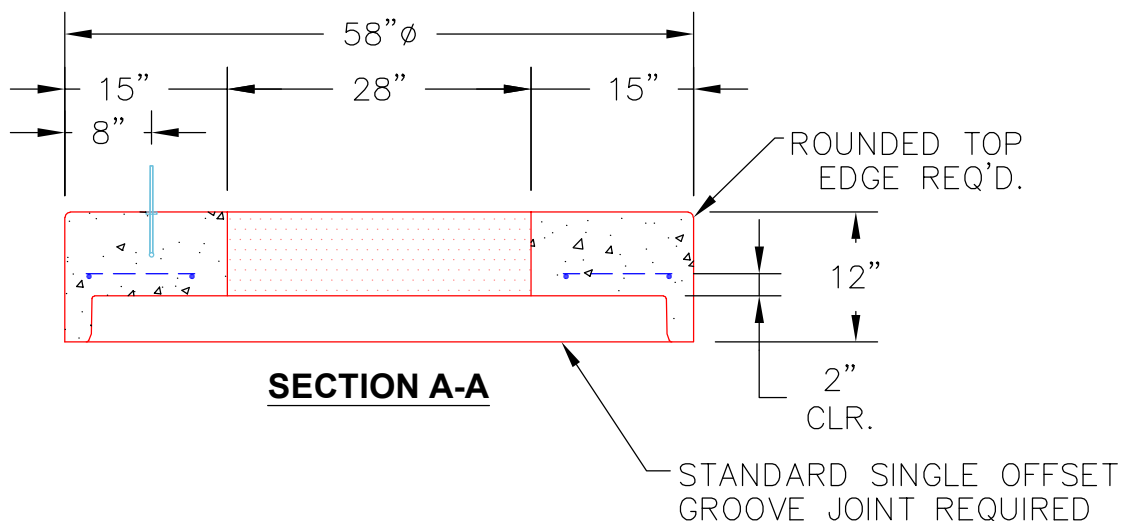
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

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



NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements

Job Location: Fort Mitchell, KY 41017

Contractor: Lykins Contracting

Plant: 100

3/26/2026 2:15:29 PM

Tech: J. Horsley - A

PC: Celina Goff

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 2301567

P3 MH048RS36

MH RISER T/G

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - CON CONE w/24" HOLE F/G - 24"

P3) 48" - MH RISER T/G - 36"

P2) 60" - MH Transition Slab 48" Hole T/G - 15"

P1) 60" - MH BASE Custom Ht T/n - 65"

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

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

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

2) A-Lok - 1235

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

0 lb

2252 lb

2515 lb

2204 lb

8164 lb

2692 lb

0 lb

0 lb

2 lb

0 lb

Structure Total: 17829 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. STEPS AT 270 DEGREES

5. 7" CASTING SUPPLIED BY OTHERS

Rim: 757.8'

Rim to Invert: 12.24'

Slack: 2.88"

Sump: 3"

Step Position: 270°

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°-

Step: 270°

Horz: 113.125"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

(P3)

EXT

36"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

Floor Height: 0"

Height (Int): 36"

Height (Ext): 36"

Weight (Net): 2515 lb

Volume (Net): 0.64cu.yd

Weight (Net): 4192 lb
Volume (Net): 1.07cu.yd

Job Name: 25-3241P2 - Buck Hills Subdivision
Job Location: Lawrenceburg, KY 40342
Contractor: Edmonson Plumbing & Heating Supply

Plant: 100

7/29/2026 10:28:54 AM

Tech: Jared - A

PC: C. Goff



Structure ID: DB 1

P1 MH048BAEVF

MH BASE EF Cust. Ht. 08"F (w/ 72" x 72" BASE SLAB)

- P2) 48" - CASTING HEIGHT - 0"
P1) 48" - MH BASE EF Cust. Ht. 08"F (w/ 72" x 72" BASE SLAB) - 72"
1) CASTING - TRASHRACKS LDR-48 Round Flush Mount Grate
1) SECONDARY POUR - EXT. FLANGE
1) 48" - Conseal CS-102 1.00"
1) Hole - 30
1) Orifice - 18"
1) Orifice - 6"

- Structure Notes:
1. TRASHRACKS LDR-48 ROUND FLUSH MOUNT PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,500 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Structure Total: 8368 lb

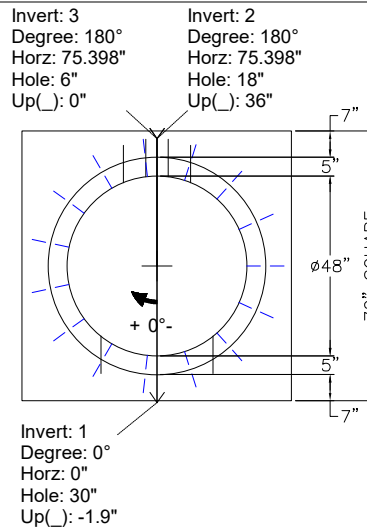
FIRST POUR DRAWING

Rim: 786.5' Rim to Invert: 6' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	780.5'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	-1.9"	0"
Invert 2	783.5'	180°	91.106"	18" Orifice	18"	Orifice 18"	18"	18.451"	36"	0"
Invert 3	780.5'	180°	91.106"	6" Orifice	6"	Orifice 6"	6"	6.016"	0"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

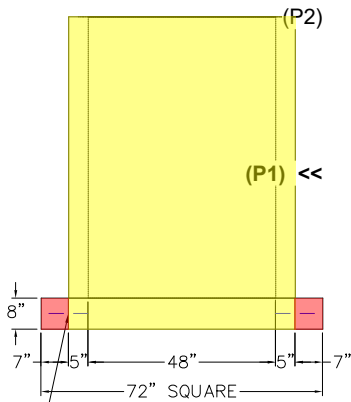


WEIGHTS:

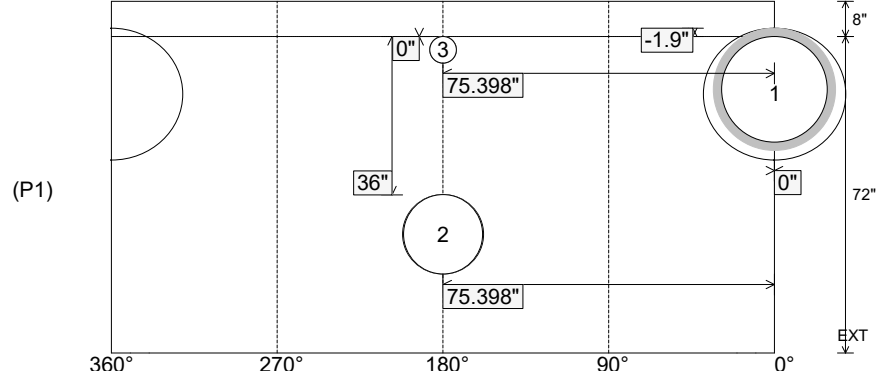
FIRST POUR: 6,367 LBS

SECOND POUR: 1,706 LBS

TOTAL: 8,073 LBS



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 8"

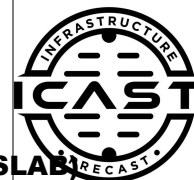
Height (Int): 72"
Height (Ext): 80"

Weight (Net): 8073 lb
Volume (Net): 2.06cu.yd

Job Name: 25-3241P2 - Buck Hills Subdivision
Job Location: Lawrenceburg, KY 40342
Contractor: Edmonson Plumbing & Heating Supply

Plant: 100
7/29/2026 10:28:54 AM

Tech: Jared - A
PC: C. Goff



Structure ID: DB 1

P1 MH048BAEVF

MH BASE EF Cust. Ht. 08"F (w/ 72" x 72" BASE SLAB)

- P2) 48" - CASTING HEIGHT - 0"
P1) 48" - MH BASE EF Cust. Ht. 08"F (w/ 72" x 72" BASE SLAB) - 72"
1) CASTING - TRASHRACKS LDR-48 Round Flush Mount Grate
1) SECONDARY POUR - EXT. FLANGE
1) 48" - Conseal CS-102 1.00"
1) Hole - 30
1) Orifice - 18"
1) Orifice - 6"

- Structure Notes:
1. TRASHRACKS LDR-48 ROUND FLUSH MOUNT PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,500 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Structure Total: 8368 lb

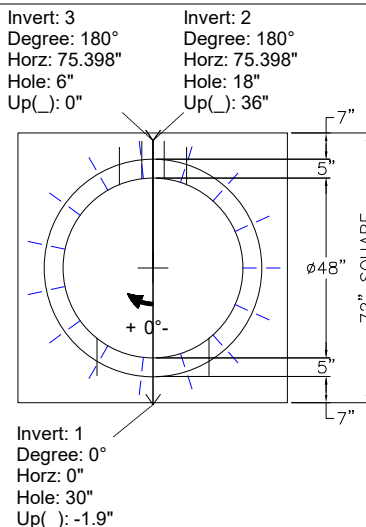
SECOND POUR DRAWING

Rim: 786.5' Rim to Invert: 6' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	780.5'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	-1.9"	0"
Invert 2	783.5'	180°	91.106"	18" Orifice	18"	Orifice 18"	18"	18.451"	36"	0"
Invert 3	780.5'	180°	91.106"	6" Orifice	6"	Orifice 6"	6"	6.016"	0"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

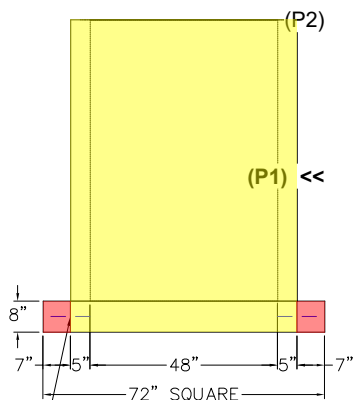


WEIGHTS:

FIRST POUR: 6,367 LBS

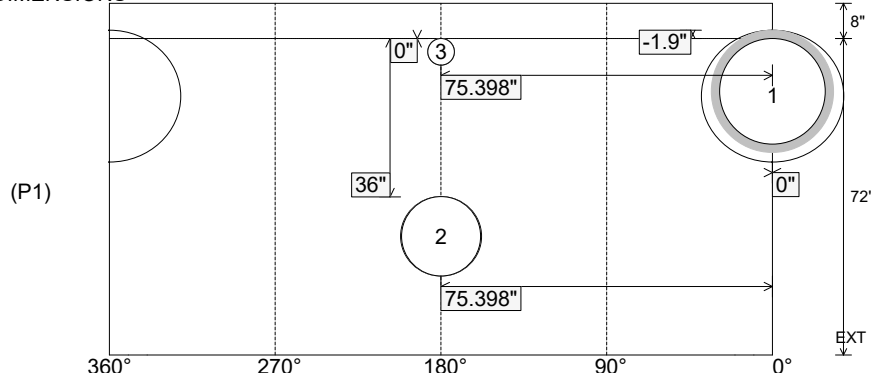
SECOND POUR: 1,706 LBS

TOTAL: 8,073 LBS



DRILL & STUB 15 EA. #5 BAR @ 10" LONG 12" C-C AROUND THE PERIMETER OF THE MANHOLE BASE FOR THE FLANGE POUR. 4" MIN. PENETRATION INTO THE BASE REQ.

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

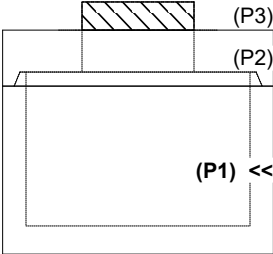
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 8"

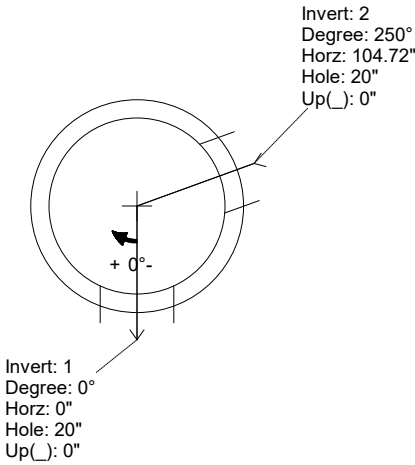
Height (Int): 72"
Height (Ext): 80"

Weight (Net): 8073 lb
Volume (Net): 2.06cu.yd

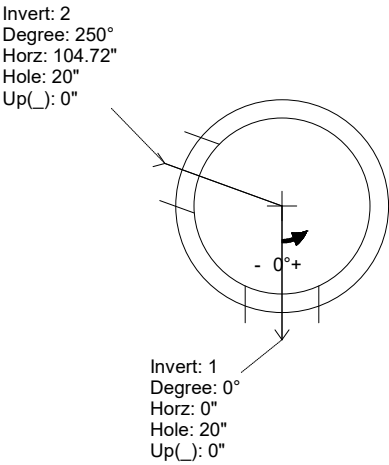
Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:53 PM		Tech: Jared - A PC: C. Goff				
Structure ID: CB 8											
P1 MH048BA30		MH BASE									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole - 12" P1) 48" - MH BASE - 30" 1) CASTING - HOE 525 LV SET (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 20" Structure Total: 4897 lb						0 lb 1300 lb 3155 lb 442 lb 0 lb 0 lb 0 lb ----- 4897 lb		Structure Notes: 1. HOE 525 LV SET (F/G/H) PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 808.17'		Rim to Invert: 4'		Slack: 1.3"		Sump: 1.3"		Step Position: 125°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	804.17'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"	
Invert 2	804.17'	250°	126.536"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



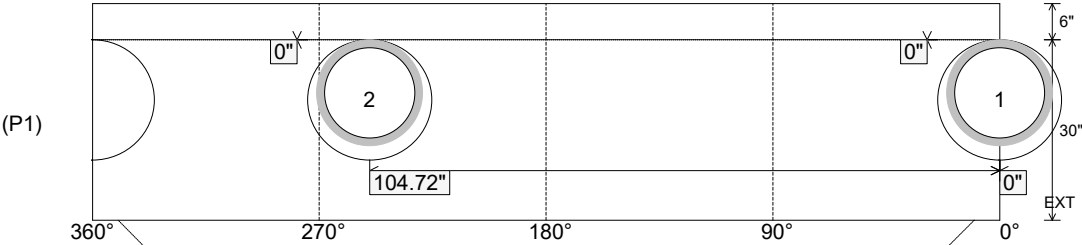
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

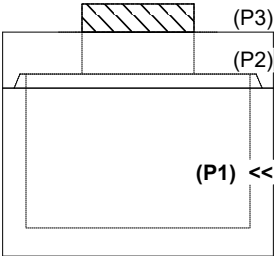


INSIDE WALL DIMENSIONS



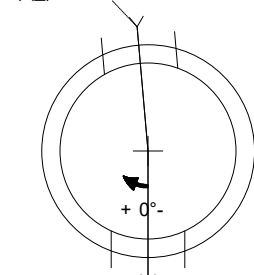
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3155 lb Volume (Net): 0.81cu.yd
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Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:52 PM		Tech: Jared - A PC: C. Goff				
Structure ID: CB 7											
P1 MH048BA30		MH BASE									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole - 12" P1) 48" - MH BASE - 30" 1) CASTING - HOE 525 LV SET (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 20 Structure Total: 4897 lb						0 lb 1300 lb 3155 lb 442 lb 0 lb 0 lb 0 lb ----- 4897 lb		Structure Notes: 1. HOE 525 LV SET (F/G/H) PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 812.67'		Rim to Invert: 4'		Slack: 1.3"		Sump: 1.3"		Step Position: 267.5°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	808.67'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"	
Invert 2	808.67'	175°	88.575"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

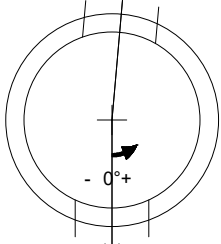
Invert: 2
Degree: 175°
Horz: 73.304"
Hole: 20"
Up(): 0"



Invert: 1
Degree: 0°
Horz: 0"
Hole: 20"
Up(): 0"

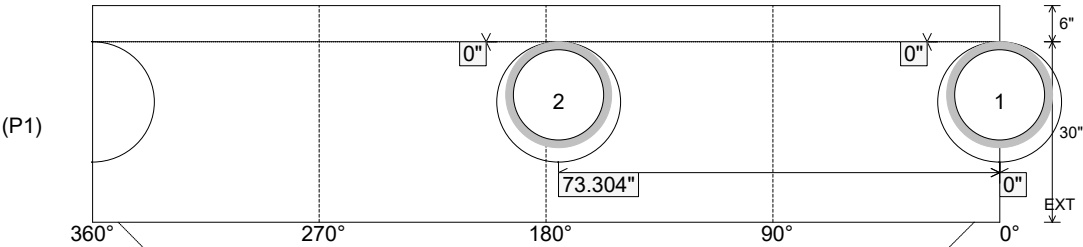
UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 175°
Horz: 73.304"
Hole: 20"
Up(): 0"



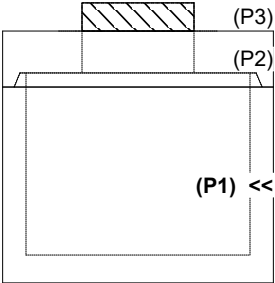
Invert: 1
Degree: 0°
Horz: 0"
Hole: 20"
Up(): 0"

INSIDE WALL DIMENSIONS

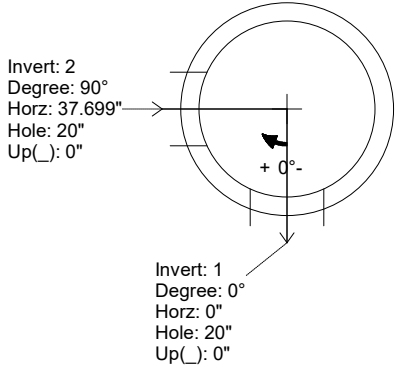


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3155 lb Volume (Net): 0.81cu.yd
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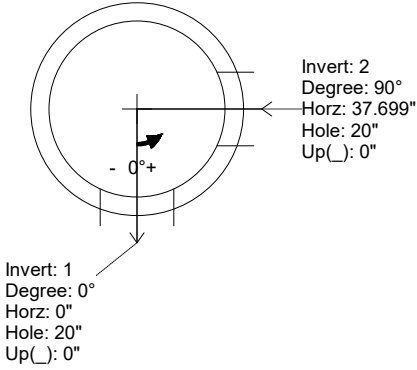
Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:51 PM		Tech: Jared - A PC: C. Goff				
Structure ID: CB 6											
P1 MH048BA36		MH BASE									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole - 12" P1) 48" - MH BASE - 36" 1) CASTING - HOE 525 LV SET (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 20						0 lb 1300 lb 3575 lb 442 lb 0 lb 0 lb 0 lb ----- Structure Total: 5317 lb		Structure Notes: 1. HOE 525 LV SET (F/G/H) PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 832.2'		Rim to Invert: 4.5'		Slack: 1.3"		Sump: 1.3"		Step Position: 225			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	827.7'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"	
Invert 2	827.7'	90°	45.553"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



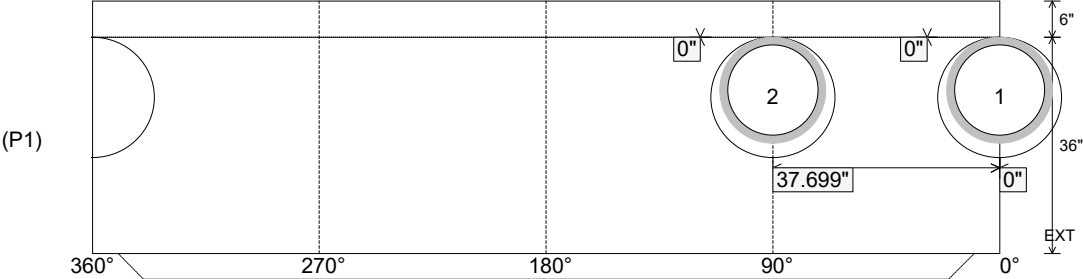
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

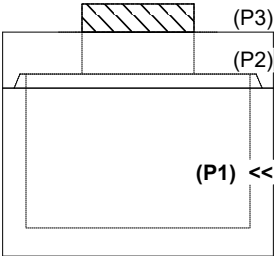


INSIDE WALL DIMENSIONS

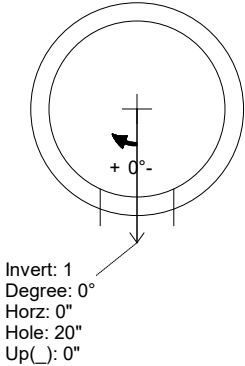


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3575 lb Volume (Net): 0.91cu.yd
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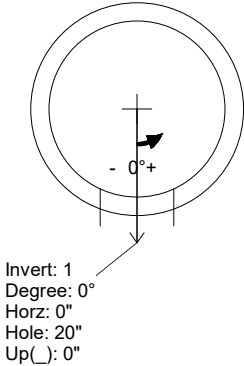
Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:51 PM		Tech: Jared - A PC: C. Goff				
Structure ID: CB 5											
P1		MH048BA30		MH BASE							
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole - 12" P1) 48" - MH BASE - 30" 1) CASTING - HOE 525 LV SET (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 20						0 lb 1300 lb 3291 lb 442 lb 0 lb 0 lb 0 lb ----- Structure Total: 5033 lb		Structure Notes: 1. HOE 525 LV SET (F/G/H) PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 832.2'		Rim to Invert: 4'		Slack: 1.3"		Sump: 1.3"		Step Position: 90°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	828.2'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



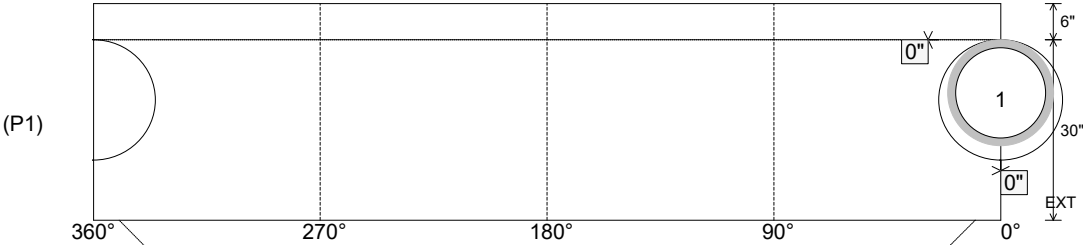
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)

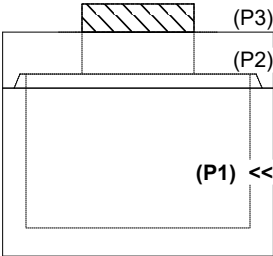


INSIDE WALL DIMENSIONS

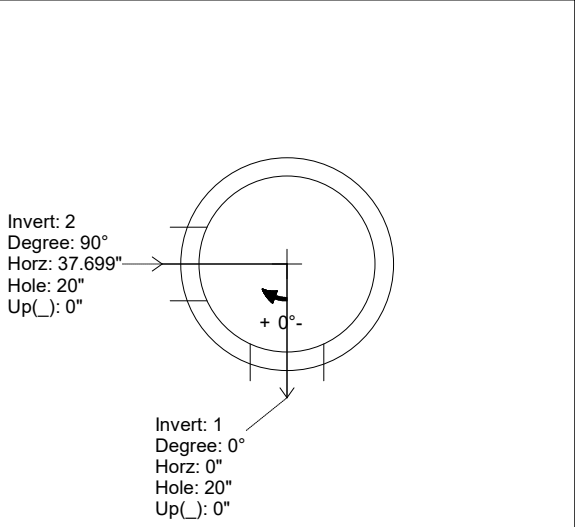


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3291 lb Volume (Net): 0.84cu.yd
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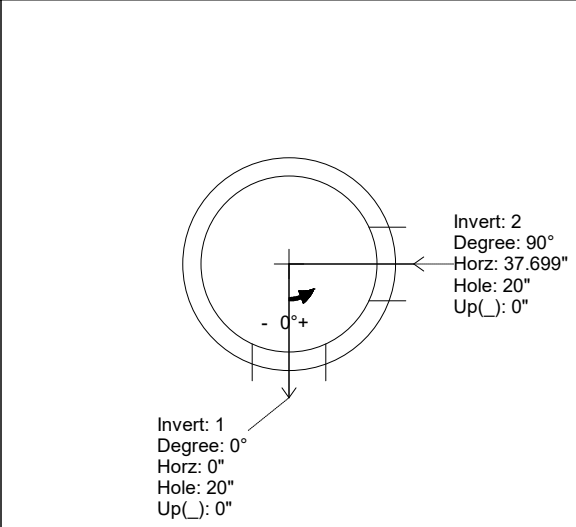
Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:49 PM		Tech: Jared - A PC: C. Goff				
Structure ID: CB 2											
P1 MH048BA30		MH BASE									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole - 12" P1) 48" - MH BASE - 30" 1) CASTING - HOE 525 LV SET (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 20						0 lb 1300 lb 3155 lb 442 lb 0 lb 0 lb 0 lb ----- 4897 lb Structure Total:		Structure Notes: 1. HOE 525 LV SET (F/G/H) PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 814.96'		Rim to Invert: 4'		Slack: 1.3"		Sump: 1.3"		Step Position: 225°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	810.96'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"	
Invert 2	810.96'	90°	45.553"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



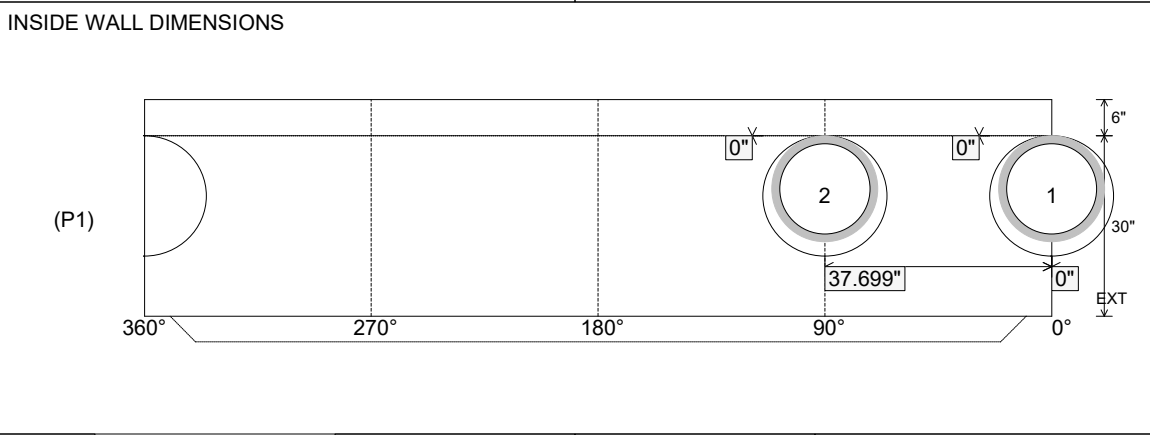
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3155 lb Volume (Net): 0.81cu.yd
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Job Name: 25-3241P2 - Buck Hills Subdivision
Job Location: Lawrenceburg, KY 40342
Contractor: Edmonson Plumbing & Heating Supply

Plant: 100

7/24/2026 12:44:45 PM

Tech: Jared - A

PC: C. Goff



Structure ID: CB 3

P2 MH060LD08-24X36RECT

MH FLAT TOP w/24"x36" Hole

P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 60" - MH FLAT TOP w/24"x36" Hole - 8"
P1) 60" - MH BASE - 36"
1) CASTING - HOE 525 LV SET (F/G/H)
1) 60" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) DOGHOUSE INVRTD - 38"x36"
2) Hole - 20

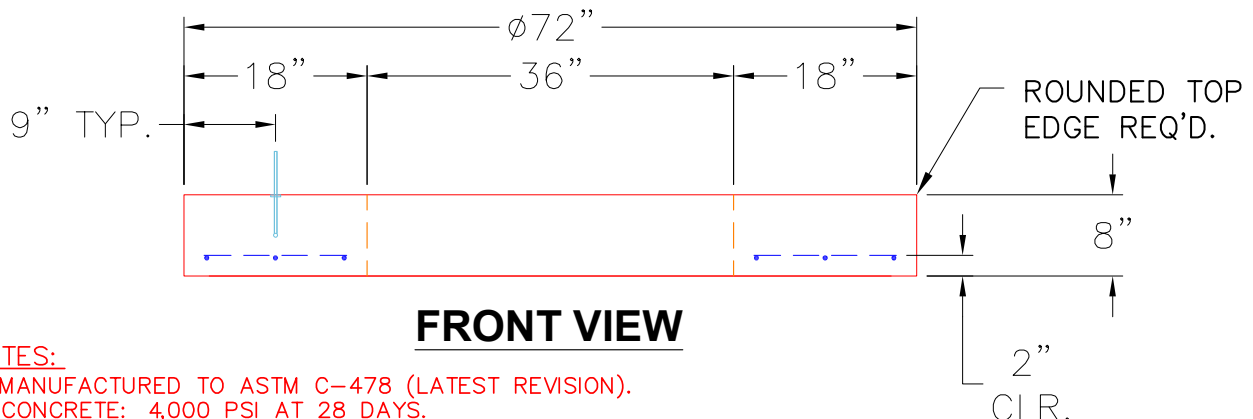
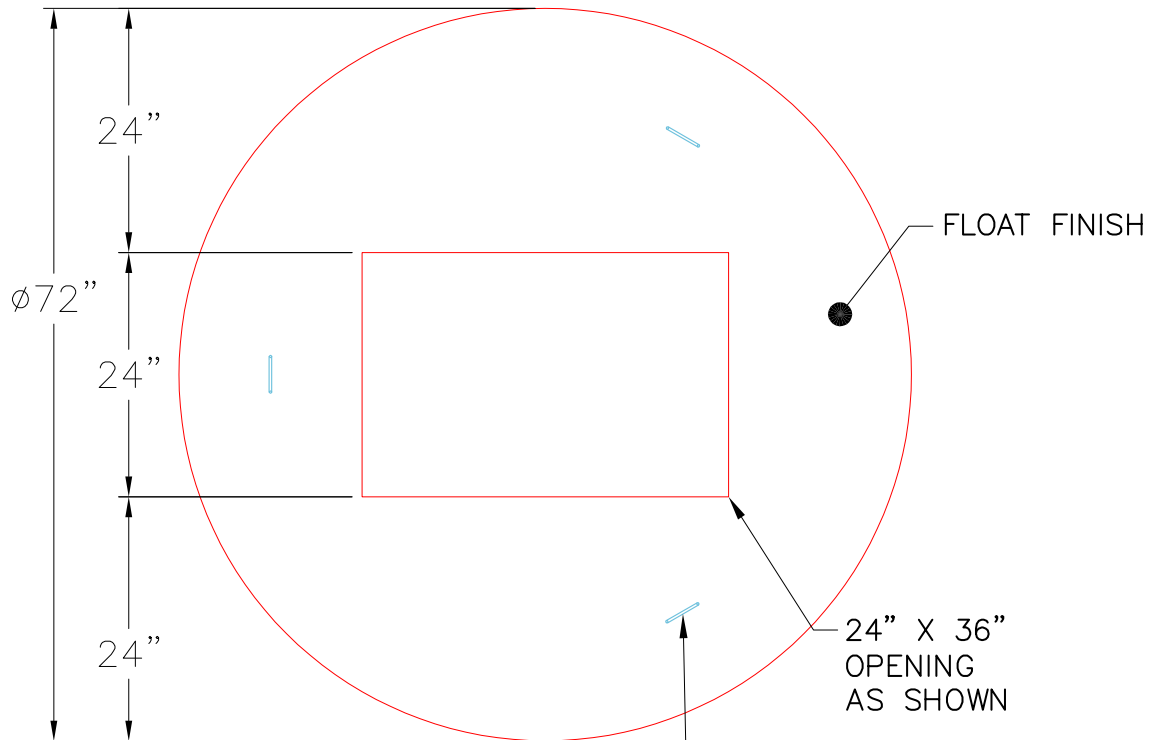
0 lb
2153 lb
5513 lb
442 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total:

8108 lb

Structure Notes:

1. HOE 525 LV SET (F/G/H) PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

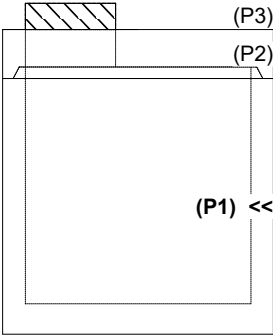
Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

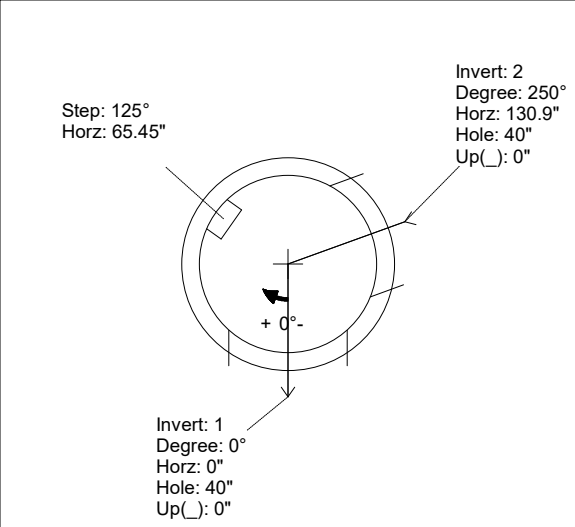
Weight (Net): 2153 lb
Volume (Net): 0.55cu.yd

Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:53 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH 1											
P1		MH060BA60		MH BASE							
P3) 24" - CASTING HEIGHT - 7" P2) 60" - MH FLAT TOP w/ 24" ECC Hole - 13" P1) 60" - MH BASE - 60" 1) CASTING - HOE MC-420 F/C Storm 1) 60" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 40 Structure Total: 10842 lb						0 lb 2869 lb 7633 lb 340 lb 0 lb 0 lb 0 lb ----- 10842 lb		Structure Notes: 1. HOE MC-420 F/C STORM PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 790'		Rim to Invert: 6.5'		Slack: 0.55"		Sump: 2.55"		Step Position: 125°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	783.5'	0°	0"	30" HDPE	35.1"	Hole 40	40"	43.784"	0"	0"	
Invert 2	783.5'	250°	157.08"	30" HDPE	35.1"	Hole 40	40"	43.784"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

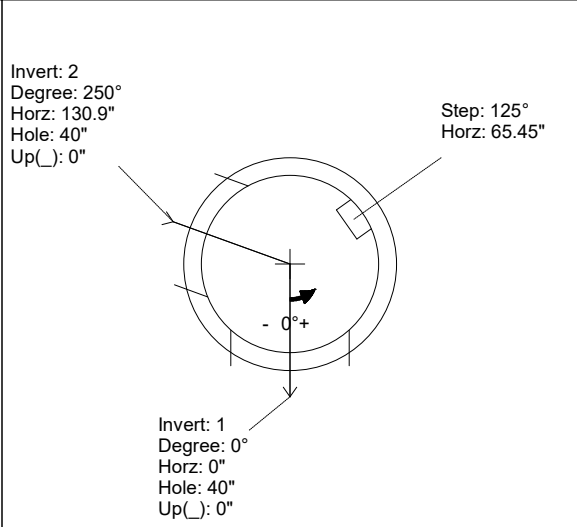


Step: 125°
Horz: 65.45"

Invert: 2
Degree: 250°
Horz: 130.9"
Hole: 40"
Up(): 0"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 40"
Up(): 0"

UPSIDE-DOWN VIEW (int. dimensions)

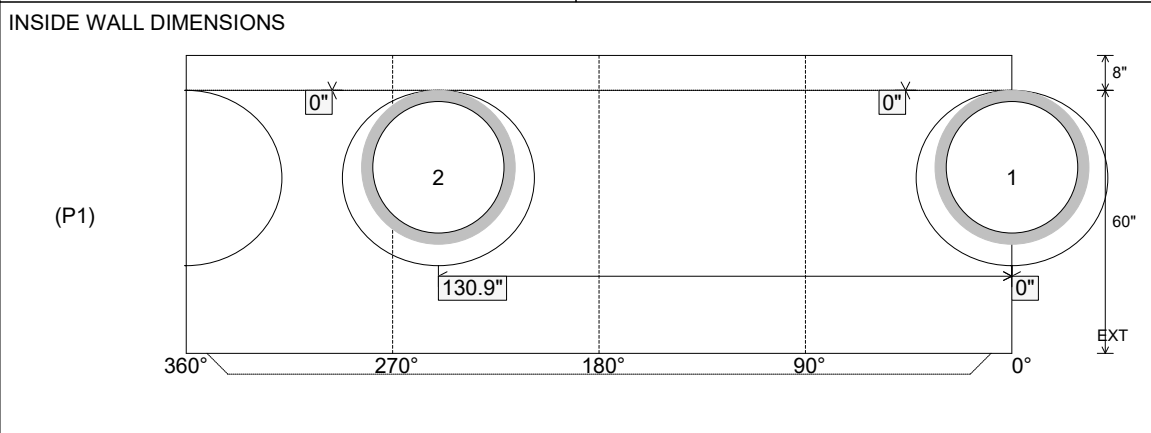


Step: 125°
Horz: 65.45"

Invert: 2
Degree: 250°
Horz: 130.9"
Hole: 40"
Up(): 0"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 40"
Up(): 0"

INSIDE WALL DIMENSIONS



(P1)

0" X

2

130.9"

1

0"

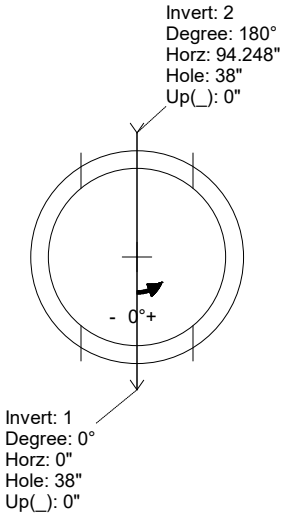
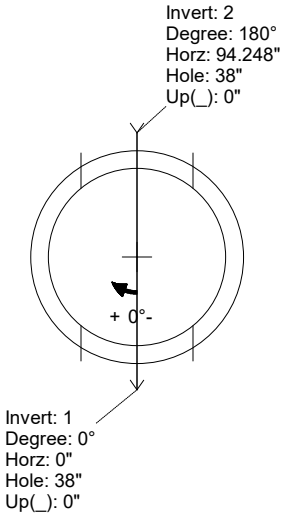
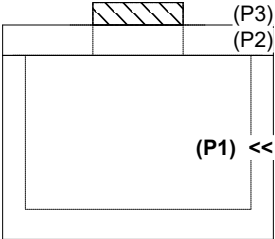
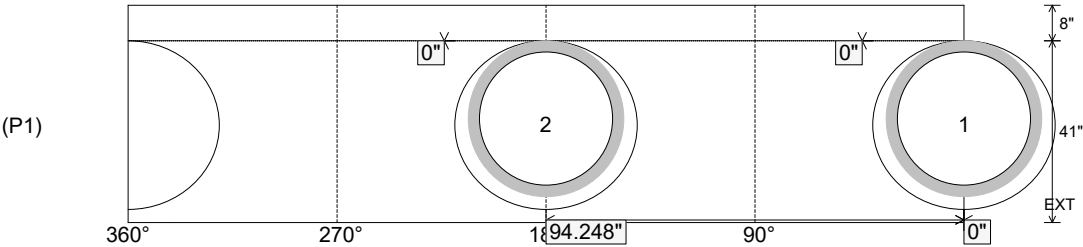
8"

60"

EXT

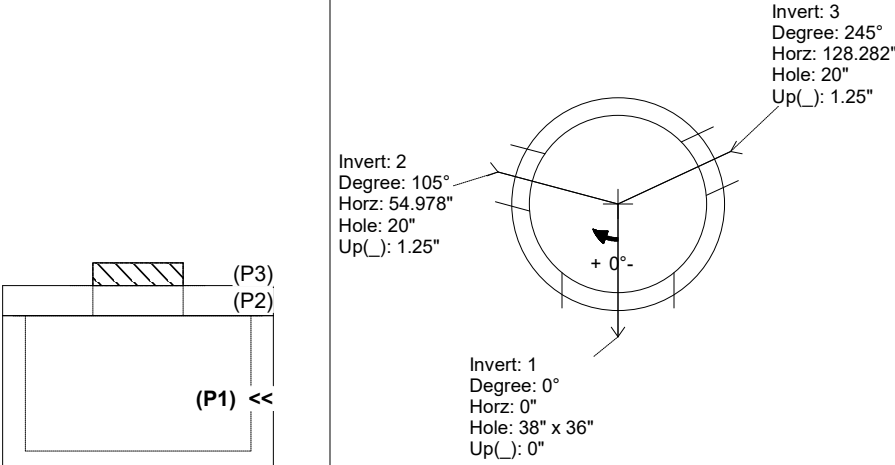
360° 270° 180° 90° 0°

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 60" Height (Ext): 68"	Weight (Net): 7633 lb Volume (Net): 1.95cu.yd
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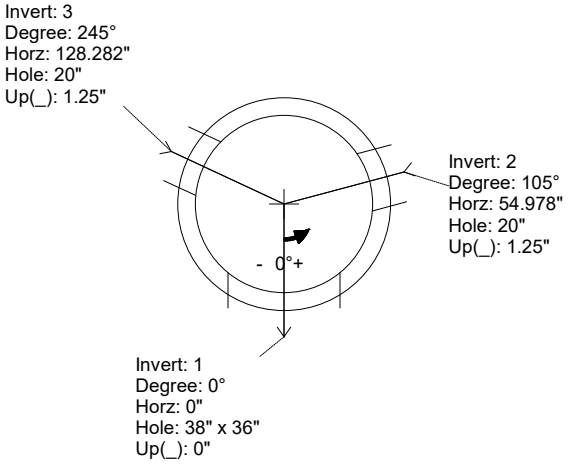
Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:50 PM		Tech: Jared - A PC: C. Goff				
Structure ID: CB 4											
P1 MH060BAVF		MH BASE Custom Ht									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 60" - MH FLAT TOP w/24"x36" Hole - 8" P1) 60" - MH BASE Custom Ht - 41" 1) CASTING - HOE 525 LV SET (F/G/H) 1) 60" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 38						0 lb 2153 lb 5793 lb 442 lb 0 lb 0 lb 0 lb ----- Structure Total: 8389 lb		Structure Notes: 1. HOE 525 LV SET (F/G/H) PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.			
Rim: 806.82'		Rim to Invert: 4.5'		Slack: 1.55"		Sump: 2.55"		Step Position: 90°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	802.32'	0°	0"	30" HDPE	35.1"	Hole 38	38"	41.151"	0"	0"	
Invert 2	802.32'	180°	113.097"	30" HDPE	35.1"	Hole 38	38"	41.151"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimensions)  											
INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 6" Floor Height: 8"		Height (Int): 41" Height (Ext): 49"		Weight (Net): 5793 lb Volume (Net): 1.48cu.yd		

Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:43:50 PM		Tech: Jared - A PC: C. Goff				
Structure ID: CB 3											
P1 MH060BA36		MH BASE									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 60" - MH FLAT TOP w/24"x36" Hole - 8" P1) 60" - MH BASE - 36" 1) CASTING - HOE 525 LV SET (F/G/H) 1) 60" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 38"x36" 2) Hole - 20						0 lb 2153 lb 5513 lb 442 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 8108 lb		Structure Notes: 1. HOE 525 LV SET (F/G/H) PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.			
Rim: 806.82' Rim to Invert: 4' Slack: 0.55" Sump: 2.55" Step Position: 175°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	802.82'	0°	0"	30" HDPE	35.1"	DOGHOUSE INVRTD 38"x36"	38" x 36"	41.151"	0"	0"	
Invert 2	802.82'	105°	65.973"	15" HDPE	17.6"	Hole 20	20"	20.39"	1.25"	0"	
Invert 3	802.82'	245°	153.938"	15" HDPE	17.6"	Hole 20	20"	20.39"	1.25"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

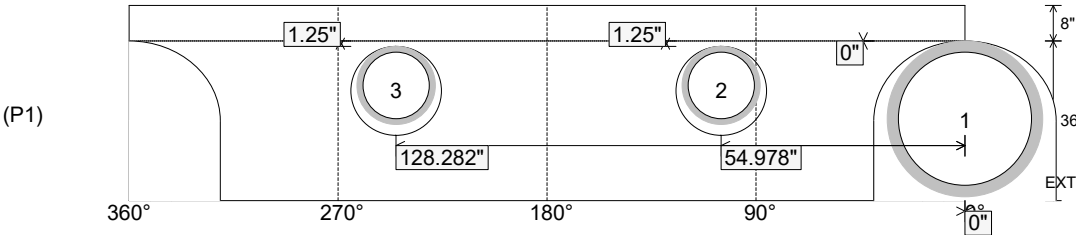
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 36" Height (Ext): 44"	Weight (Net): 5513 lb Volume (Net): 1.41cu.yd
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Job Name: 26-3054 ADS Couchville Online

Job Location: Nashville, TN

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

7/23/2026 12:30:37 PM

Tech: S. Felletter

PC: T. Ryan



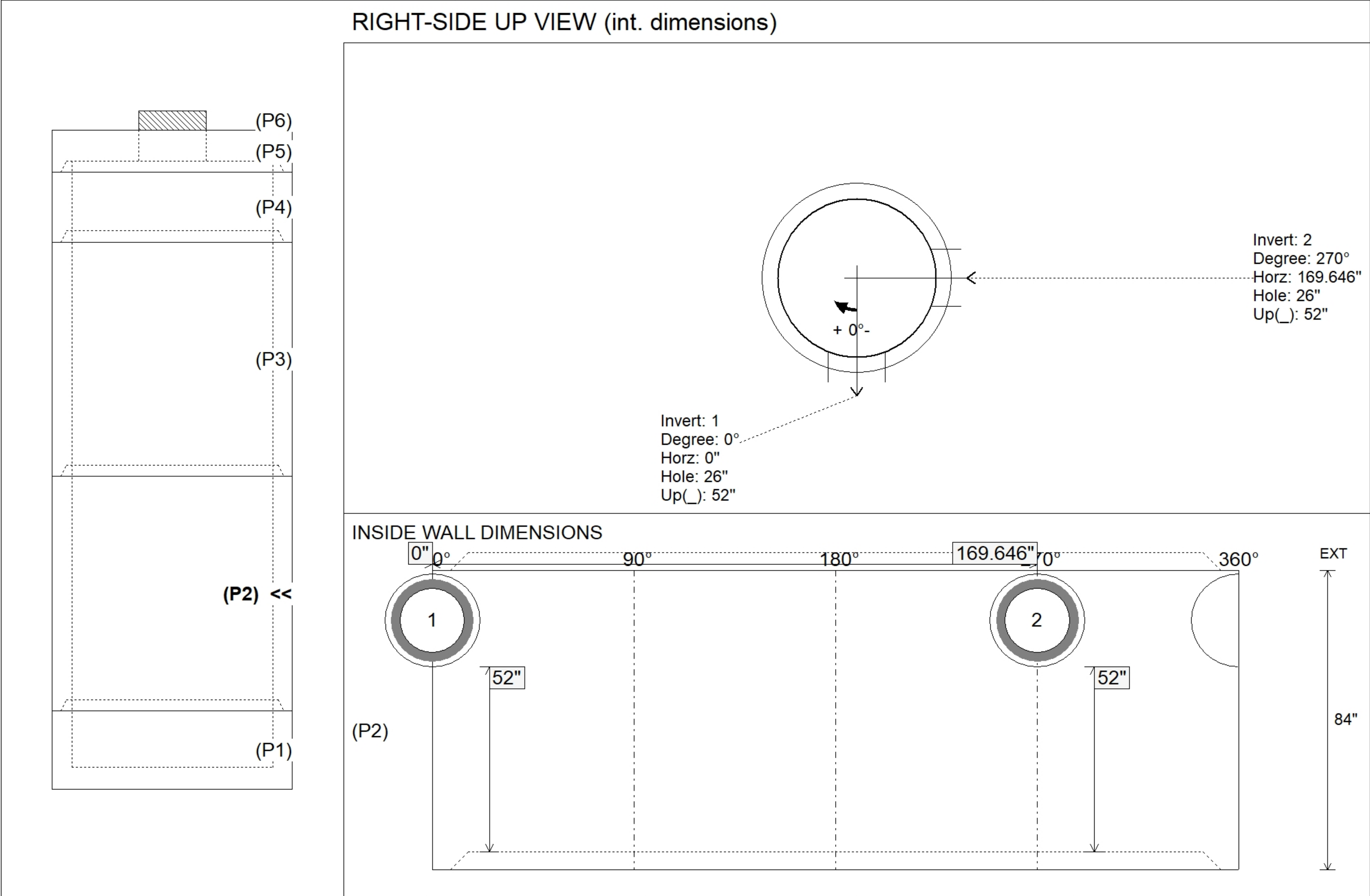
Structure ID: WQU3

P2 MH072RS84S

MH RISER SPECIAL T/G

P6) 24" - CASTING HEIGHT - 7"	0 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. 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.
P5) 72" - MH FLAT LID w/24" CC Hole F/G - 15"	5097 lb	
P4) 72" - MH RISER Custom Ht T/G - 25"	3645 lb	
P3) 72" - MH RISER T/G - 84"	12246 lb	
P2) 72" - MH RISER SPECIAL T/G - 84"	11610 lb	
P1) 72" - MH BASE Custom Ht T/n - 20"	6815 lb	
1) ASSEMBLY REQUIRED	0 lb	
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb	
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb	
1) CASTING - HOE MC-375 F/C Storm	271 lb	
4) 72" - Conseal CS-102 1.00"	0 lb	
1) 24" - Conseal CS-102 1.00"	0 lb	
2) Hole - 26	0 lb	
Structure Total:	39683 lb	
Rim: 561.01' Rim to Invert: 12.87' Slack: 0.44" Sump: 81" Step Position: 0°		

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	548.14'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	26.601"	52"	0"
Invert 2	548.14'	270°	202.633"	18" RCP B WALL	23"	Hole 26	26"	26.601"	52"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int):	Seam Up: Tongue	Wall Thickness: 7"	Height (Int): 84"	Weight (Net): 11610 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 84"	Volume (Net): 2.96cu.yd

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

Plant: 100

6/2/2026 8:39:13 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: SCUM VAULT

P2 MH072LD15S

MH FLAT TOP w/48"x48" Hatch F/G

- P3) 48" x 48" - CASTING HEIGHT - 0"
P2) 72" - MH FLAT TOP w/48"x48" Hatch F/G - 15"
P1) 72" - MH BASE w/FLANGE (08F/07EF) T/n - 51"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) HATCH (Alum.) - HALLIDAY W2S 48"x48"
1) 72" - Conseal CS-102 1.00" (Double)
1) 48" x 48" - Conseal CS-102 1.00" (Double)
4) Z-Lok - C107-6
1) PSX - 8QRS-S NYLO
4) MH Step ML-10-TDS-NCR - 10"

Structure Total:

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

15909 lb

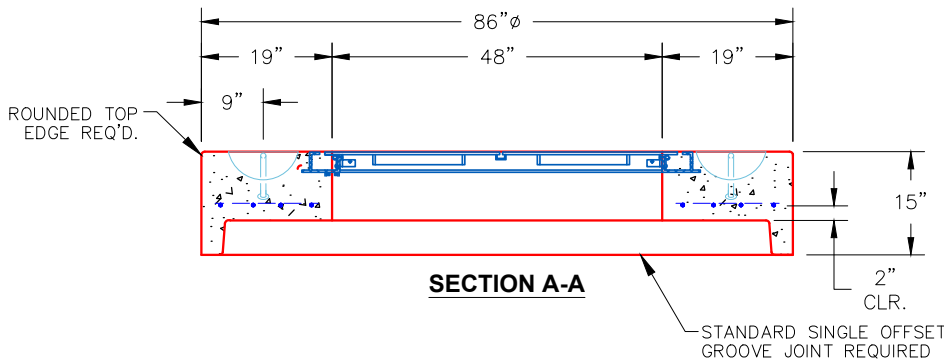
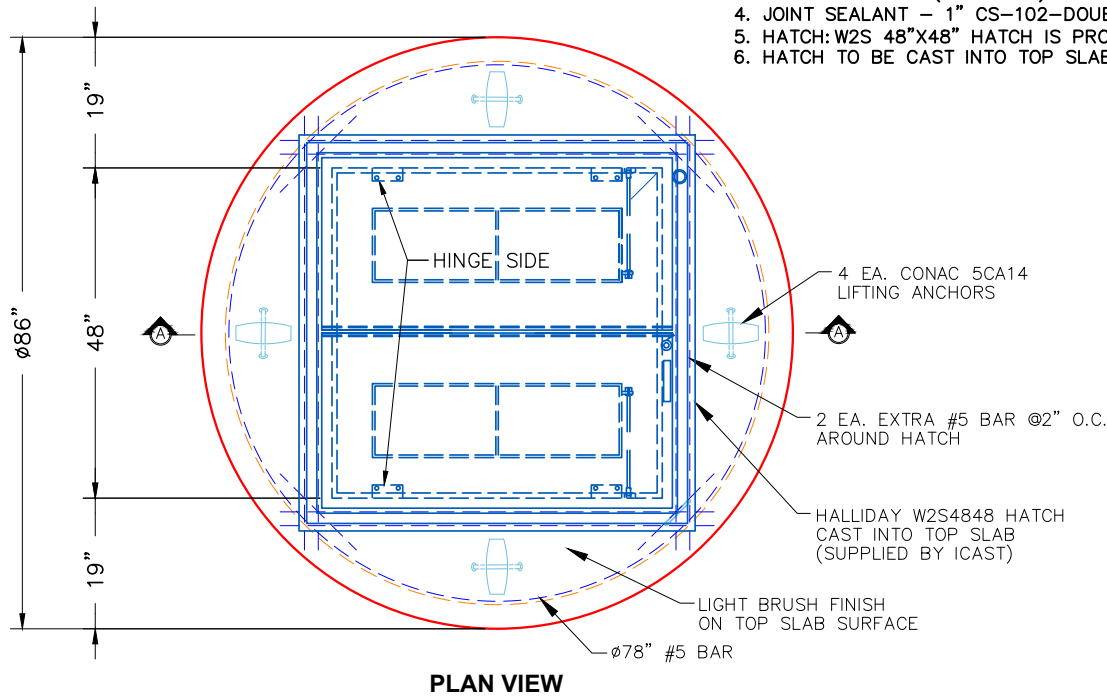
Structure Notes:

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

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

NOTES:

1. PER ASTM C-478 LATEST REVISION
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCEMENT:
TOP SLAB - #5 BAR @ 6" C.C.E.W.
PER ASTM A615 (GRADE 60)
4. JOINT SEALANT - 1" CS-102-DOUBLE
5. HATCH: W2S 48"x48" HATCH IS PROVIDED BY ICAST.
6. HATCH TO BE CAST INTO TOP SLAB.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 7"

Height (Ext): 15"

Weight (Net): 3320 lb
Volume (Net): 0.85cu.yd

Job Name: 26-3096 Saint Margaret Mary Parish Center

Job Location: Louisville, KY

Contractor: St. Margaret Mary Catholic Church c/o H&W Landwork

Plant: Beaver Dam

7/27/2026 9:05:53 AM

Tech: S. Felletter

PC: T. Lewis

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: PR SI 2 SCI

P1 BX24300808VF

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

P2) 24" x 30" - CASTING HEIGHT - 4"

P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht F/n - 26"

1) CASTING - HOE 360 Set (F/G/H)

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

1) Hole - 16

1) Hole - 10

0 lb

3491 lb

362 lb

0 lb

0 lb

0 lb

Structure Total: 3853 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE 360 L-VANE SET).

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.

Rim: 560.57'

Rim to Invert: 2.57'

Slack: 2.09"

Sump: 1.25"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	558'	270°	23"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 2	558'	0°	20"	6" HDPE	6.9"	Hole 10	10"	10"	0.8"	0"
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"

30"

+ 0°-

Invert: 1

Degree: 270°

Horz: 15"

Hole: 16"

Up(⌋): 0"

Invert: 2

Degree: 0°

Horz: 12"

Hole: 10"

Up(⌋): 0.8"

24"

30"

- 0°+

Invert: 1

Degree: 270°

Horz: 15"

Hole: 16"

Up(⌋): 0"

Invert: 2

Degree: 0°

Horz: 12"

Hole: 10"

Up(⌋): 0.8"

INSIDE WALL DIMENSIONS

(P1)

1

0"

15"

Left

Back (24")

2

0.8"

12"

Right (30")

Front

8"

26"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 26"

Height (Ext): 34"

Weight (Net): 3491 lb

Volume (Net): 0.89cu.yd

Job Name: 26-3096 Saint Margaret Mary Parish Center Job Location: Louisville, KY Contractor: St. Margaret Mary Catholic Church c/o H&W Landwork							Plant: Beaver Dam 7/27/2026 9:05:53 AM		Tech: S. Felletter PC: T. Lewis							
Structure ID: PR SI 1 SCI																
P1		BX2436-08BVF			BOX BASE 8inW, 8inF, Variable Ht F/n											
P3) 24" x 30" - CASTING HEIGHT - 4" P2) 24" x 36" - BX FLAT LID 8inW w/24"x30" HOLE F/F - 8" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 23" 1) CASTING - HOE 360 Set (F/G/H) 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 16" Structure Total: 4707 lb							0 lb 913 lb 3432 lb 362 lb 0 lb 0 lb ----- 4707 lb Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE 360 L VANE SET). . 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.									
Rim: 560.37' Rim to Invert: 2.97' Slack: 1.89" Sump: 1.25" Step Position: 0°																
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset						
Invert 1	557.4'	230°	19.335"	12" HDPE	14.5"	Hole 16	16"	20.887"	0"	7.75"						
Invert 2	557.4'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"						
Invert 3																
Invert 4																
Invert 5																
Invert 6																
Invert 7																
Invert 8																
(P3) (P2) (P1) << RIGHT-SIDE UP VIEW (int. dimensions) Invert: 2 Degree: 90° Horz: 18" Hole: 16" Up(): 0" 24" 36" + 0° Invert: 1 Degree: 230° Horz: 18.048" Hole: 16" Up(): 0" UPSIDE-DOWN VIEW (int. dimenions) Invert: 1 Degree: 230° Horz: 18.048" Hole: 16" Up(): 0" 24" 36" - 0°+ Invert: 2 Degree: 90° Horz: 18" Hole: 16" Up(): 0" INSIDE WALL DIMENSIONS (P1) 0" 1 18.048" Left Back (24") 0" 2 18" Right (36") Front 8" 23" EXT <table><tr><td>Coating (Int): Coating (Ext):</td><td>Seam Up: Flat Seam Dn: n/a</td><td>Wall Thickness: 8" Floor Height: 8"</td><td>Height (Int): 23" Height (Ext): 31"</td><td>Weight (Net): 3432 lb Volume (Net): 0.88cu.yd</td></tr></table>												Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 23" Height (Ext): 31"	Weight (Net): 3432 lb Volume (Net): 0.88cu.yd
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 23" Height (Ext): 31"	Weight (Net): 3432 lb Volume (Net): 0.88cu.yd												

Job Name: 26-3096 Saint Margaret Mary Parish Center

Job Location: Louisville, KY

Contractor: St. Margaret Mary Catholic Church c/o H&W Landwork

Plant: Beaver Dam

7/27/2026 9:05:52 AM

Tech: S. Felletter

PC: T. Lewis

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: PR CB ST-CB

P1 BX2436-08BVF

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

P2) 24" x 36" - CASTING HEIGHT - 4"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 31"

1) CASTING - HOE 518 F/G

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

1) Hole - 16

0 lb

4424 lb

354 lb

0 lb

0 lb

Structure Total: 4778 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE 518 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: 560'

Rim to Invert: 3'

Slack: 2.25"

Sump: 1.25"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌵)	Offset
Invert 1	557'	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. dimenions)

(P2)

(P1) <<

24"

36"

+ 0°-

Invert: 1

Degree: 0°

Horz: 12"

Hole: 16"

Up(⌵): 0"

24"

36"

- 0°+

Invert: 1

Degree: 0°

Horz: 12"

Hole: 16"

Up(⌵): 0"

INSIDE WALL DIMENSIONS

(P1)

Left

Back (24")

Right (36")

Front

8"

31"

EXT

0"

12"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 31"

Height (Ext): 39"

Weight (Net): 4424 lb

Volume (Net): 1.13cu.yd

Job Name: 26-1185 - Wells Fargo Smyrna
Job Location: Smyrna, TN 37167
Contractor: Hayes Pipe Supply

Plant: 100

Tech: Jared - F

7/21/2026 3:56:02 PM

PC: E. Bradley



Structure ID: D3-8 ST-OCS

P1 BX3636-08BA48

BOX BASE 8inW, 8inF F/n

P2) 36" x 36" - CASTING HEIGHT - 0"
P1) 36" x 36" - BOX BASE 8inW, 8inF F/n - 48"
1) 36" x 36" - Conseal CS-102 1.00"
1) Hole - 22
2) Hole - 10

0 lb
7092 lb
0 lb
0 lb
0 lb

7092 lb

Structure Total: 7092 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS.

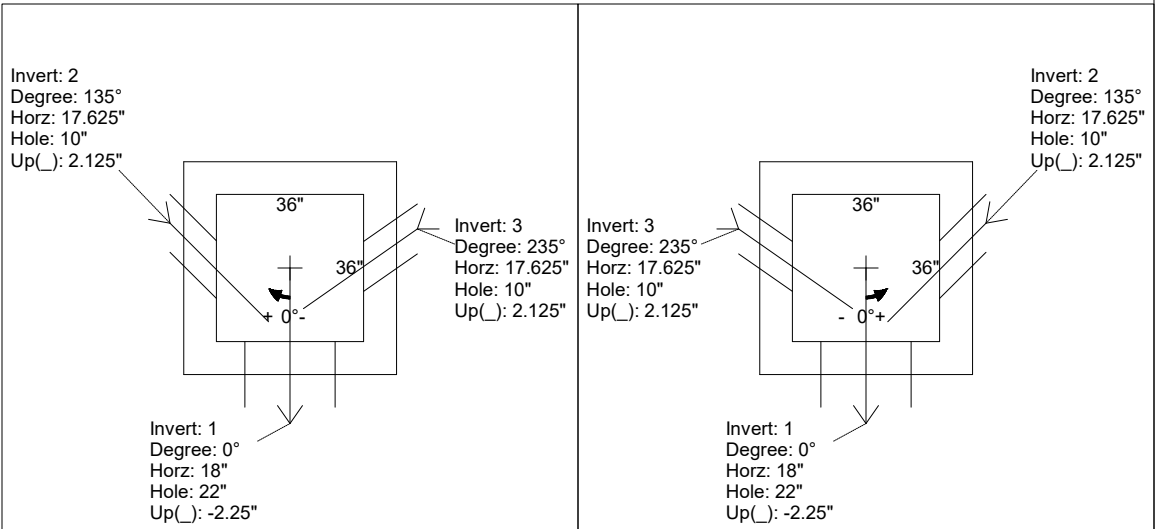
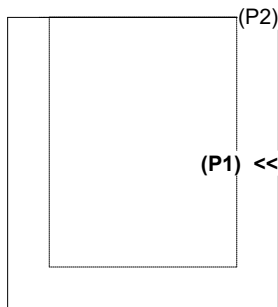
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 588.21' Rim to Invert: 4' Slack: -0.002" Sump: 0" Step Position:

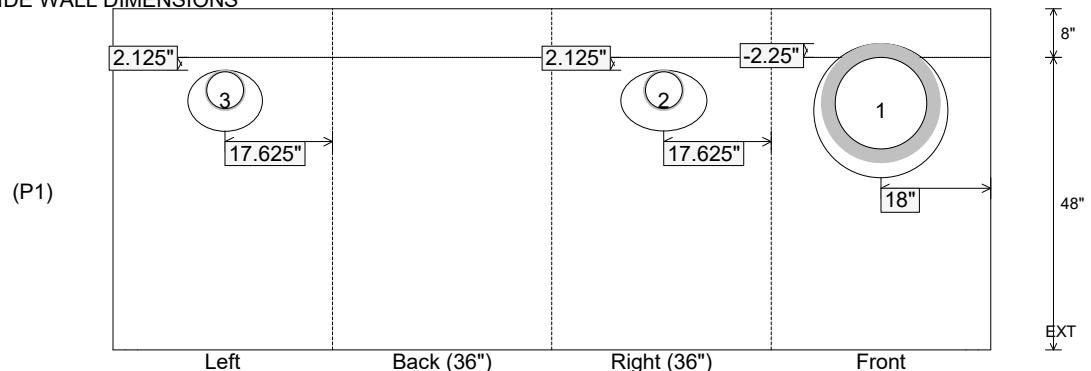
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	584.21'	0°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2	584.41'	135°	33.625"	6" PVC SCH40	6.625"	Hole 10	10"	14.142"	2.125"	-13"
Invert 3	584.41'	235°	20"	6" PVC SCH40	6.625"	Hole 10	10"	12.208"	2.125"	10"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

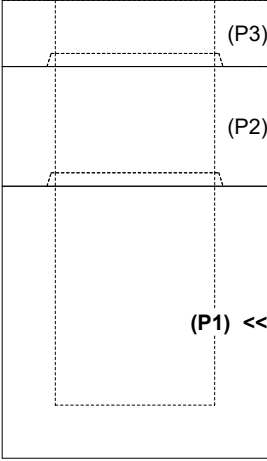
Wall Thickness: 8"
Floor Height: 8"

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

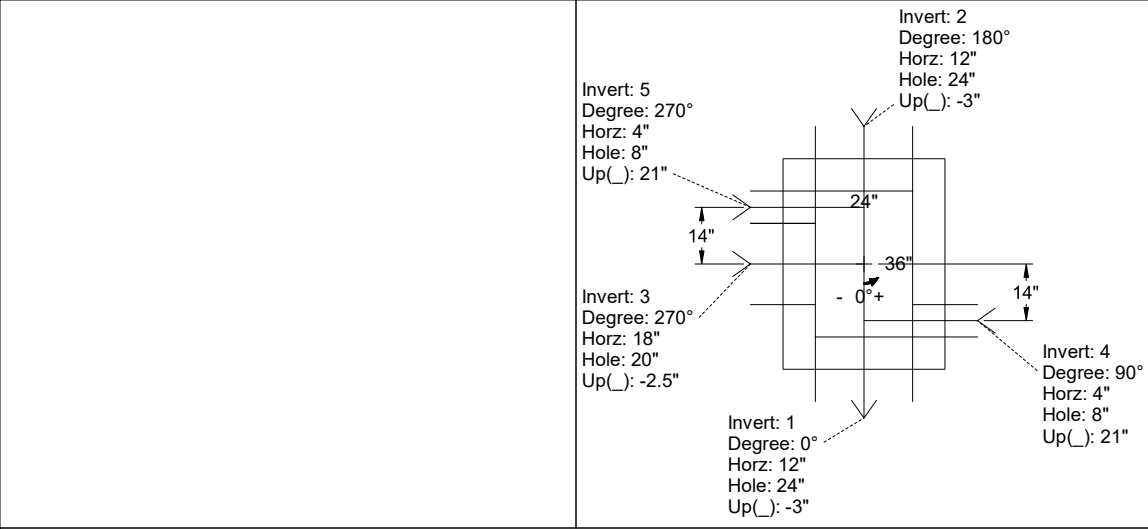
Weight (Net): 7092 lb
Volume (Net): 1.81cu.yd

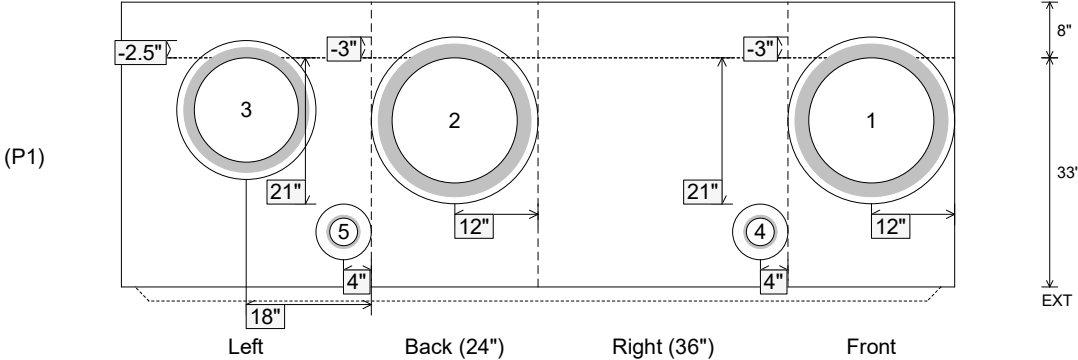
Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/4/2026 4:51:17 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 583											
P1 BX2436-08BVF BOX BASE 8inW, 8inF, Variable Ht T/n											
P3) 24" x 120" - CB INLET KY 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 - 33" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 20 2) Hole - 8						3400 lb 5270 lb 4165 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 13040 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP 7. INVERTS 4 & 5 OFFSET 14" FROM CENTER OF WALL			
Rim: 885.85' Rim to Invert: 5.09' Slack: 0.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	880.76'	0°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	880.76'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 3	880.76'	270°	26"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"	
Invert 4	882.68'	90°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	-14"	
Invert 5	882.68'	270°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	-14"	
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

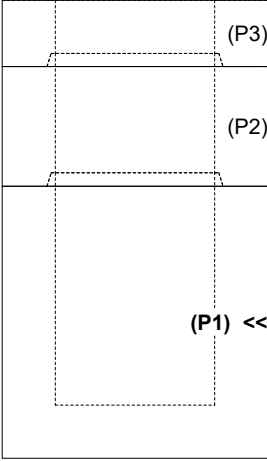


(P1) <<	INSIDE WALL DIMENSIONS			
				

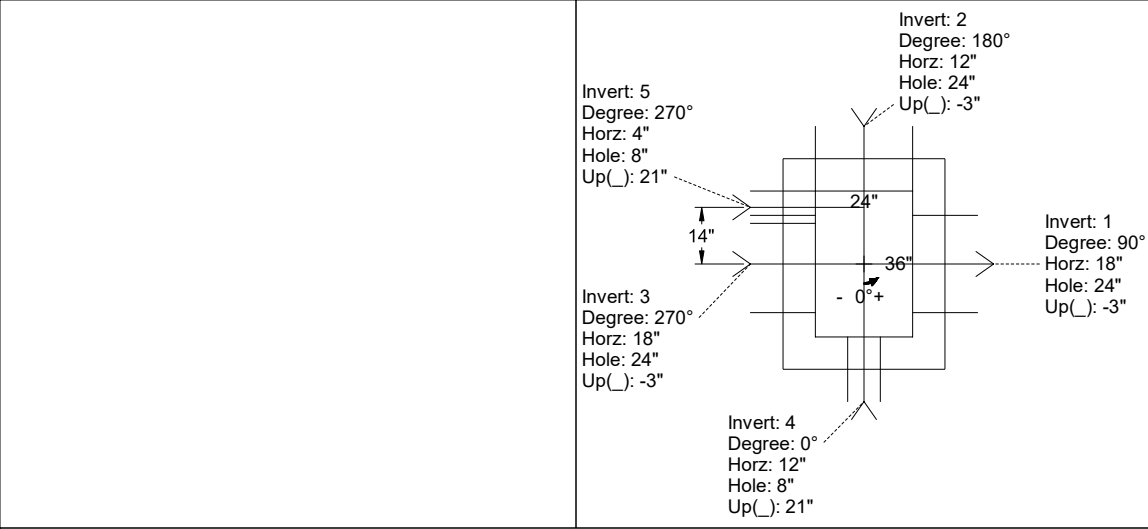
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 33" Height (Ext): 41"	Weight (Net): 4165 lb Volume (Net): 1.06cu.yd
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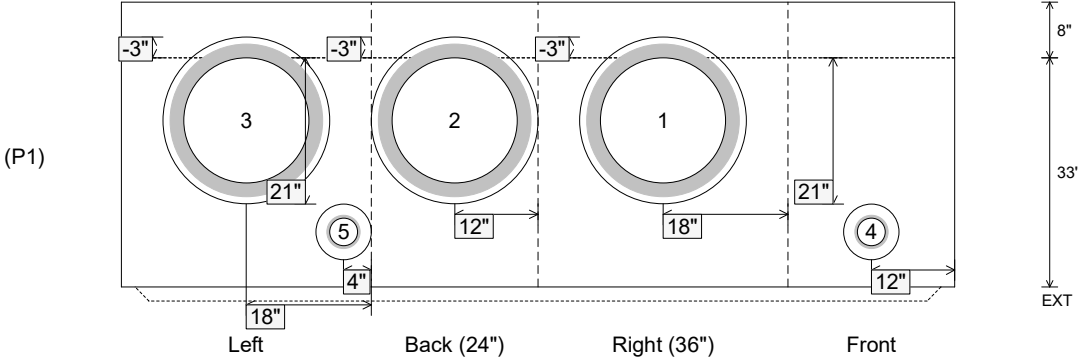
Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt				Plant: 100 6/4/2026 4:51:15 PM		Tech: Jared - A PC: J. Jarvis						
Structure ID: 582												
P1 BX2436-08BVF				BOX BASE 8inW, 8inF, Variable Ht T/n								
P3) 24" x 120" - CB INLET 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 - 33" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 3) Hole - 24 2) Hole - 8						3400 lb 5270 lb 3928 lb 206 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 12804 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY iCAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP 7. INVERT 5 OFFSET 14" FROM CENTER OF WALL				
Rim: 880.45' Rim to Invert: 5.09' Slack: 0.08" Sump: 0" Step Position:												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	875.36'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"		
Invert 2	875.36'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"		
Invert 3	875.36'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"		
Invert 4	877.28'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"		
Invert 5	877.28'	270°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	-14"		
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)

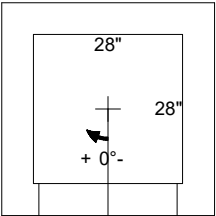


UPSIDE-DOWN VIEW (int. dimensions)

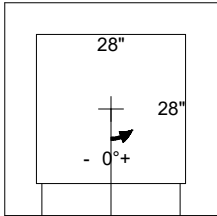


(P1) <<	INSIDE WALL DIMENSIONS				
					
Coating (Int): Coating (Ext):		Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 33" Height (Ext): 41"	Weight (Net): 3928 lb Volume (Net): 1cu.yd

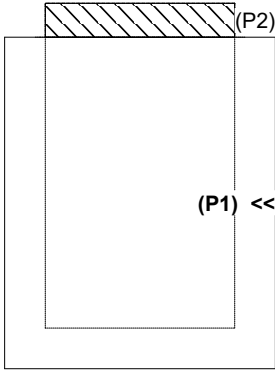
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:21 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R37											
P1 BX28280606VH BOX BASE 6inW, 6inF, Variable Ht F/n											
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 43" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 26"					0 lb 3483 lb 450 lb 250 lb 0 lb 0 lb ----- 4183 lb Structure Total:		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 589.09' Rim to Invert: 3.86' Slack: 0.82" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	585.23'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	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. dimenions)



(P1) <<

INSIDE WALL DIMENSIONS



(P1)

Left Back (28") Right (28") Front

EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 43" Height (Ext): 49"	Weight (Net): 3483 lb Volume (Net): 0.89cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:37:21 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R37

P1 BX28280606VH

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

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

P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 43"

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

1) CASTING - JBS 3104-V SINGLE SET

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

1) Hole - 26

0 lb

3483 lb

450 lb

250 lb

0 lb

0 lb

Structure Total: 4183 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

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

REINFORCING PER ASTM A615 (GRADE 60).

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

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

Invert channel drawing

4" Thick flat storm invert

Rim: 589.09'

Rim to Invert: 3.86'

Slack: 0.82"

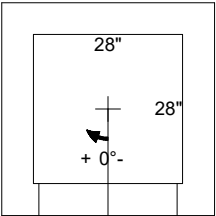
Sump: 2.5"

Step Position:

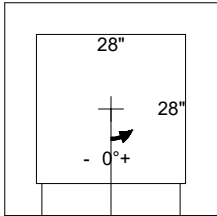
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	585.23'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(_): 0"



Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(_): 0"

INSIDE WALL DIMENSIONS

Left

Back (28")

Right (28")

Front

6"

43"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 6"

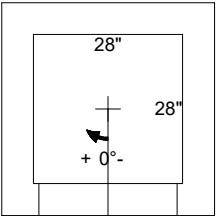
Height (Int): 43"

Height (Ext): 49"

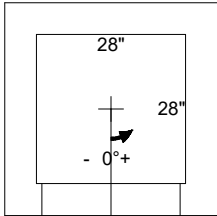
Weight (Net): 3483 lb

Volume (Net): 0.89cu.yd

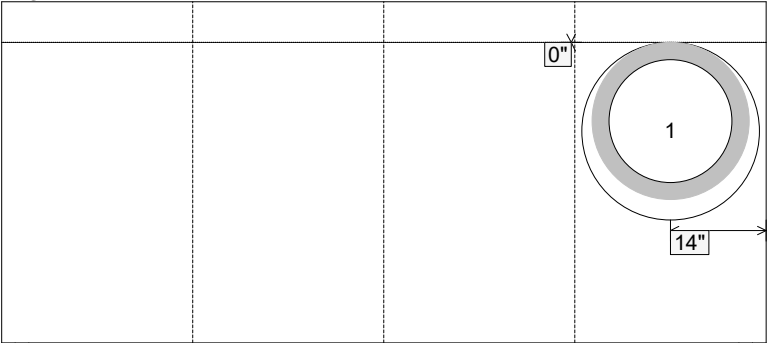
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:19 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R33											
P1 BX28280606VH		BOX BASE 6inW, 6inF, Variable Ht F/n									
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 44" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 26"					0 lb 3551 lb 450 lb 250 lb 0 lb 0 lb ----- 4251 lb Structure Total:		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 590.65' Rim to Invert: 3.9' Slack: 0.3" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	586.75'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



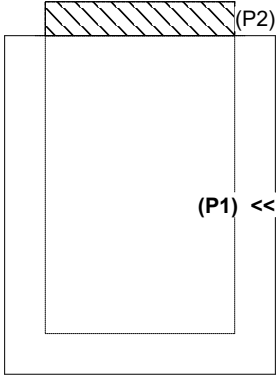
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



(P1) <<

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 44" Height (Ext): 50"	Weight (Net): 3551 lb Volume (Net): 0.91cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:37:19 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R33

P1 BX28280606VH

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

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

P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 44"

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

1) CASTING - JBS 3104-V SINGLE SET

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

1) Hole - 26

0 lb

3551 lb

450 lb

250 lb

0 lb

0 lb

Structure Total: 4251 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

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

REINFORCING PER ASTM A615 (GRADE 60).

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

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

Invert channel drawing

4" Thick flat storm invert

Rim: 590.65'

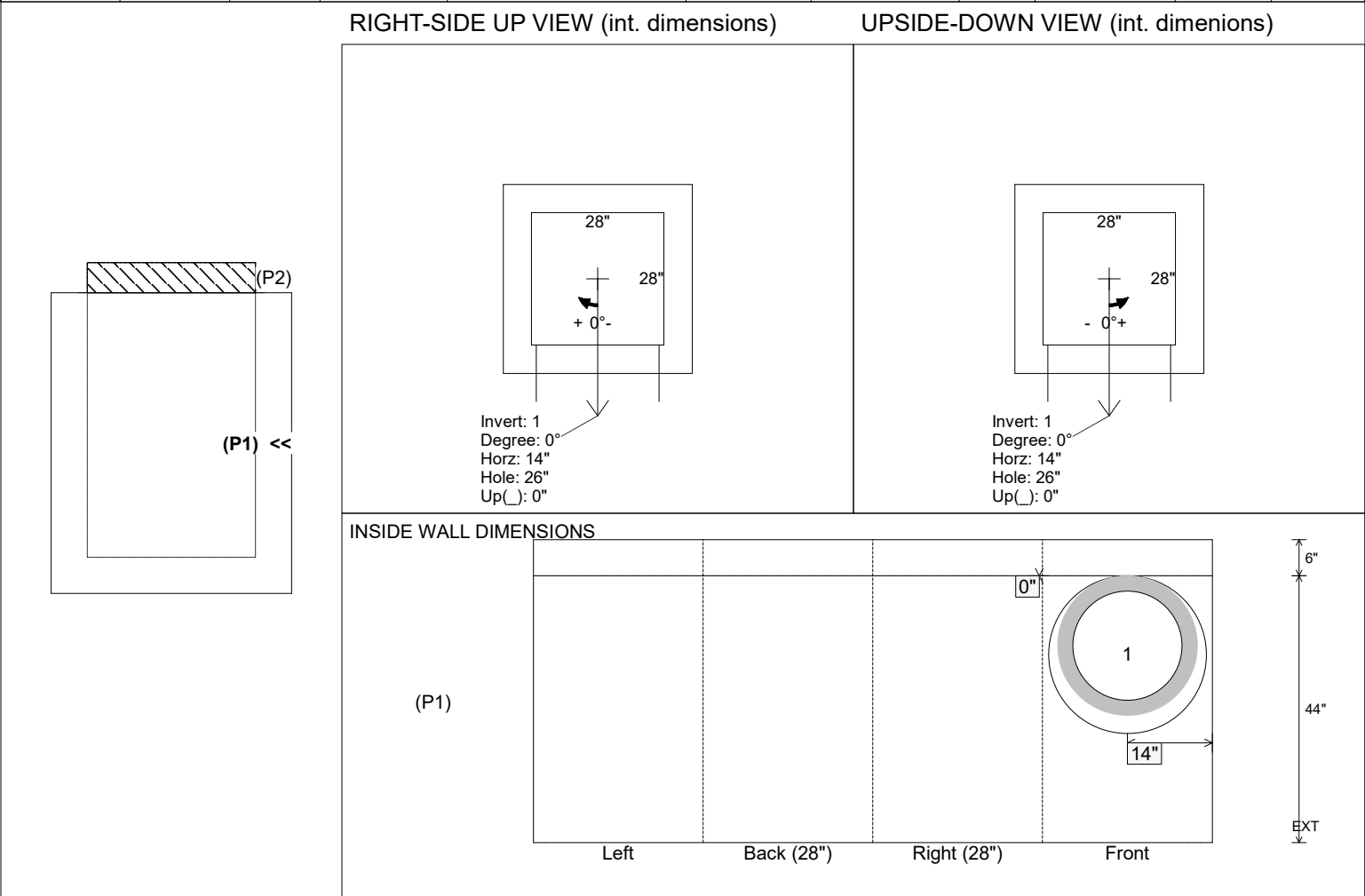
Rim to Invert: 3.9'

Slack: 0.3"

Sump: 2.5"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	586.75'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 44" Height (Ext): 50"	Weight (Net): 3551 lb Volume (Net): 0.91cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)

Job Location: Indiana, KY

Contractor: Louisville Paving and Construction

Plant: 100

6/17/2026 5:40:56 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 135

P1 BX1818-06BA24

BOX BASE 6inW, 6inF F/n

P2) 18" x 18" - CASTING HEIGHT - 4"

P1) 18" x 18" - BOX BASE 6inW, 6inF F/n - 24"

1) 18" x 18" - Conseal CS-102 1.00"

1) Hole - 18

0 lb

1517 lb

0 lb

0 lb

1517 lb

Structure Total:

Structure Notes:

1. PER MSD YARD DRAIN / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS

Rim: 568.75'

Rim to Invert: 2.5'

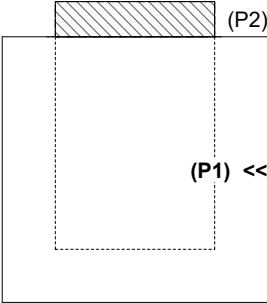
Slack: 2"

Sump: 0"

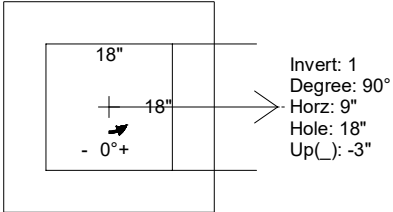
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	566.25'	90°	15"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

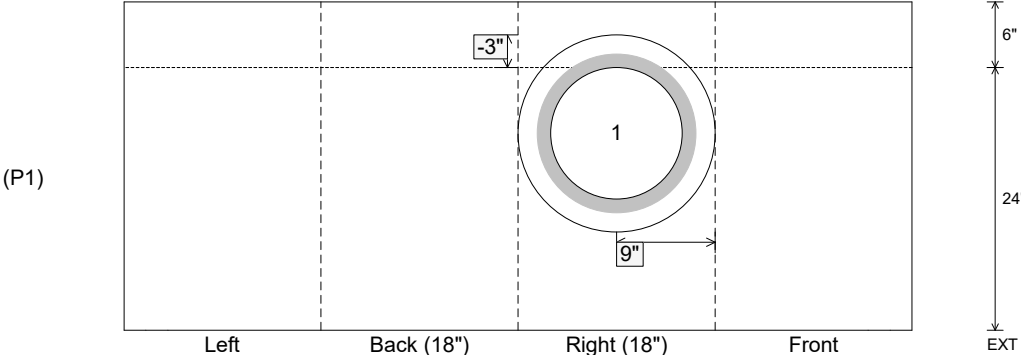
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 6"

Height (Int): 24"

Height (Ext): 30"

Weight (Net): 1517 lb

Volume (Net): 0.39cu.yd

Job Name: 26-2889 - 1605 Seminary Street
Job Location: Nashville, TN 37207
Contractor: Hayes Pipe Supply

Plant: 100

Tech: Jared - F

7/28/2026 5:35:45 PM

PC: E. Bradley



Structure ID: One SS-MH

P3 GR32X8X4CDARED

GRADE RING w/ConBlock-CDA Red F/F

- P4) 32" - CASTING HEIGHT - 6"
P3) 32" - GRADE RING w/ConBlock-CDA Red F/F - 4"
P2) 48" - MH FLAT TOP w/32" Hole CC w/ConBlock-CDA Red F/G - 12"
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 36"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT
1) ADMIXTURE CONBLOCK CDA RED
1) 48" - Conseal CS-102 1.00" (Double)
1) PSX - 12-08 NYLO
3) MH Step ML-10-TDS-NCR - 10"

0 lb
337 lb
1351 lb
3797 lb
0 lb
0 lb
1440 lb
0 lb
0 lb
8 lb
0 lb

Structure Total: 6934 lb

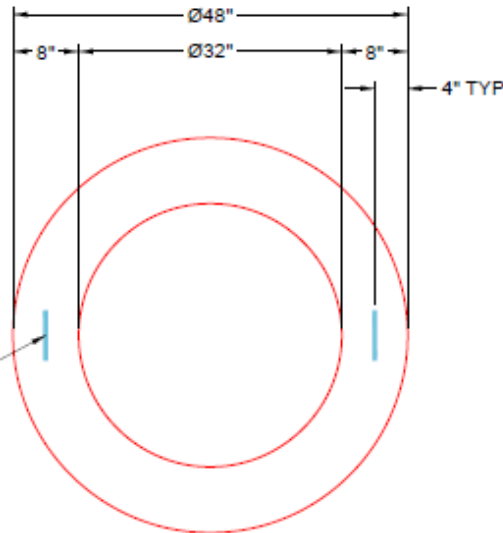
Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. ADMIXTURE = CONBLOCK CDA RED.
 4. CASTING SUPPLIED BY OTHERS (NASH LOGO SAN SEWER F&C).
- 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.

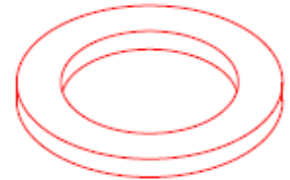
GENERAL NOTES:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: (1) #3 HOOP CENTERED (GRADE 60)
4. WEIGHT: 337 LBS
5. ADMIXTURE: CONBLOCK CDA RED

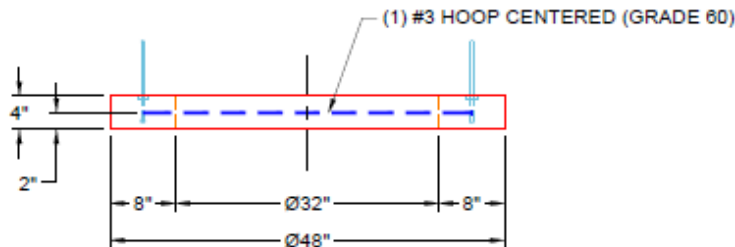
2 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING



PLAN VIEW
(RIGHT SIDE UP)



ISOMETRIC VIEW



FRONT VIEW
(RIGHT SIDE UP)

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 4"

Weight (Net): 337 lb
Volume (Net): 0.09cu.yd

Job Name: 26-3046 903454 2026 Street Reconstruction
Job Location: Elk River, MN
Contractor: Contech Engineering Solutions

Plant: Beaver Dam
7/17/2026 1:18:25 PM

Tech: S. Felletter
PC: C. Goff



Structure ID: Riser Set 3

P3 GR30x5x3

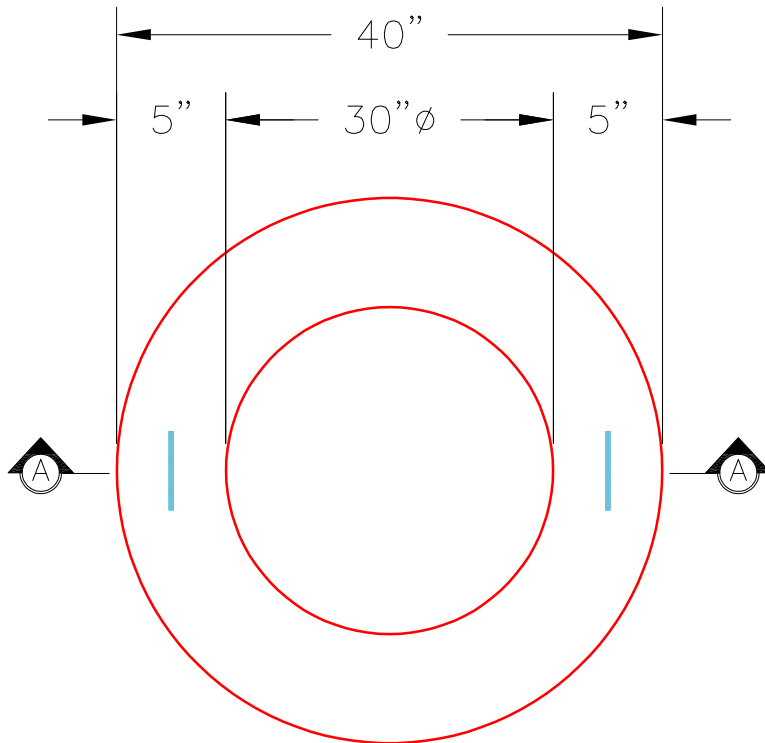
GRADE RING F/F

P4) 30" - CASTING HEIGHT - 4"
P3) 30" - GRADE RING F/F - 3"
P2) 36" - MH FLAT LID w/30in ECC Hole F/G - 10"
P1) 36" - MH RISER T/F - 54"
1) CVSTENCILING
1) 36" - Conseal CS-102 1.00"
5) MH Step ML-10-TDS-NCR - 10"

0 lb
138 lb
683 lb
2278 lb
0 lb
0 lb
0 lb
Structure Total: 3099 lb

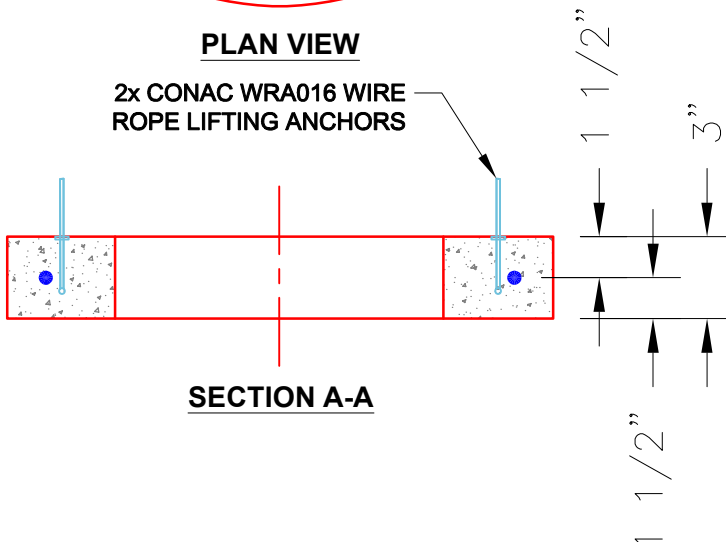
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. 4" CASTING PROVIDED BY OTHERS.
4. CONTECH'S LOGO TO BE STENCILED ONTO THE OUTSIDE OF THE STRUCTURE.

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



PLAN VIEW

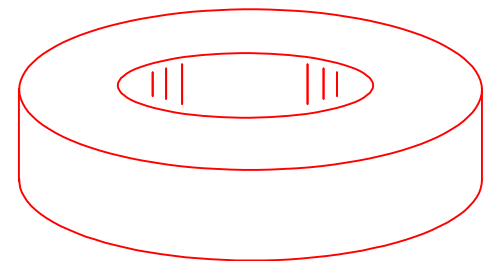
2x CONAC WRA016 WIRE ROPE LIFTING ANCHORS



SECTION A-A

NOTES:

- GRADE RINGS MEET OR EXCEED THE FOLLOWING SPECIFICATIONS
-CONCRETE: 4,000 PSI @ 28 DAYS
-REINFORCING: (1) #3 HOOP CENTERED (GRADE 60)
- WEIGHT: 3" 138 LBS.



ISOMETRIC VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 3"

Weight (Net): 138 lb
Volume (Net): 0.04cu.yd

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

Plant: Beaver Dam
6/9/2026 10:40:26 AM

Tech: S. Felletter
PC: Erica Bradley



Structure ID: R30

P2 GR28x28x6x3

GRADE RING 6"W F/F

P3) 28" x 28" - CASTING HEIGHT - 5"
P2) 28" x 28" - GRADE RING 6"W F/F - 3"
P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48"
1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK
1) CASTING - JBS 3104-V SINGLE SET
2) 28" x 28" - Conseal CS-102 1.00"
1) Hole - 26

0 lb
205 lb
3825 lb
450 lb
250 lb
0 lb
0 lb

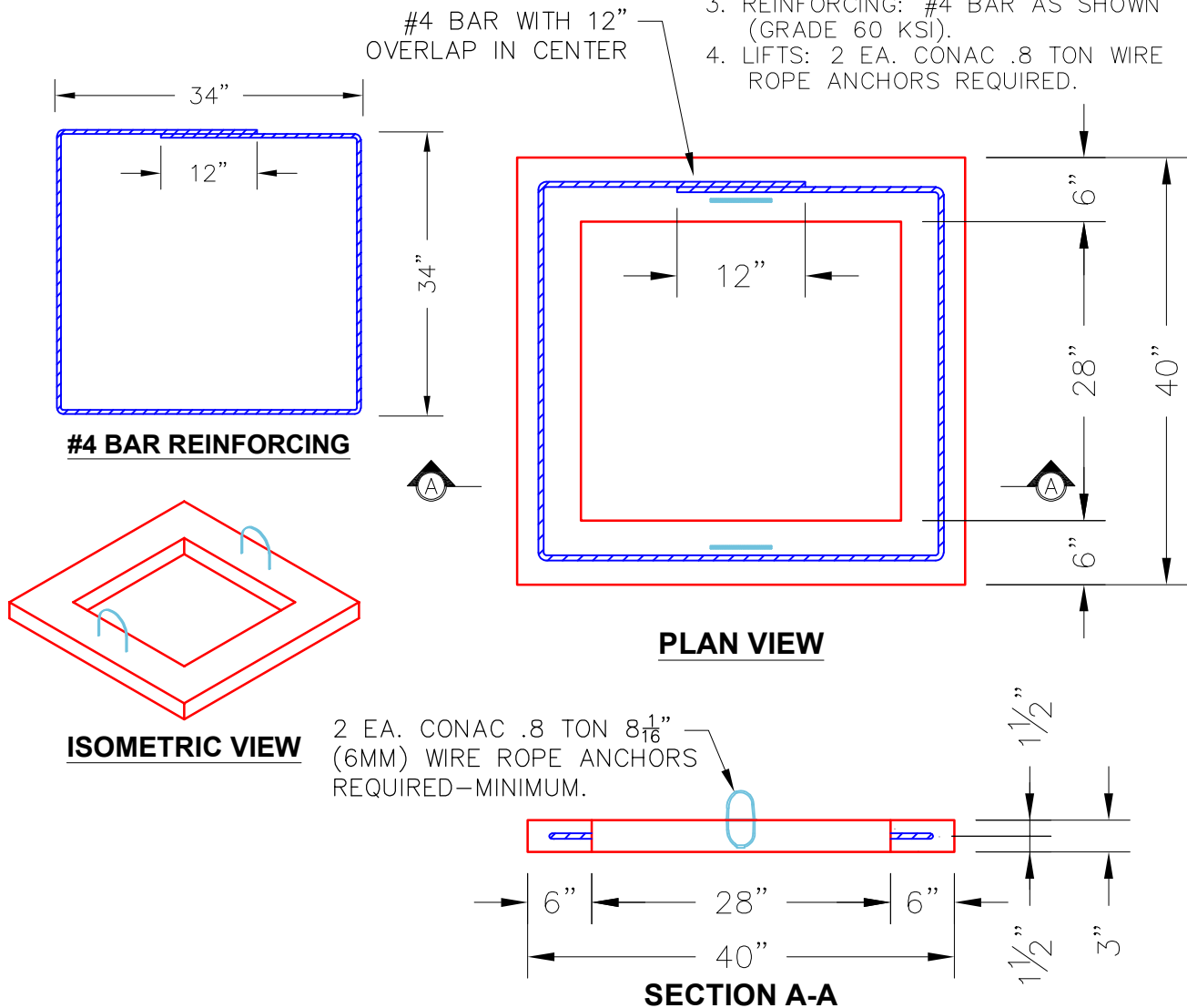
Structure Total: 4730 lb

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

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

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

Weight (Net): 205 lb
Volume (Net): 0.05cu.yd

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

Plant: Beaver Dam

6/9/2026 10:40:25 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R21

P2 GR28x28x6x3

GRADE RING 6"W F/F

P3) 28" x 28" - CASTING HEIGHT - 5"
P2) 28" x 28" - GRADE RING 6"W F/F - 3"
P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48"
1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK
1) CASTING - JBS 3104-V SINGLE SET
2) 28" x 28" - Conseal CS-102 1.00"
2) Hole - 26

Structure Total:

0 lb
205 lb
3558 lb
450 lb
250 lb
0 lb
0 lb

4463 lb

Structure Notes:

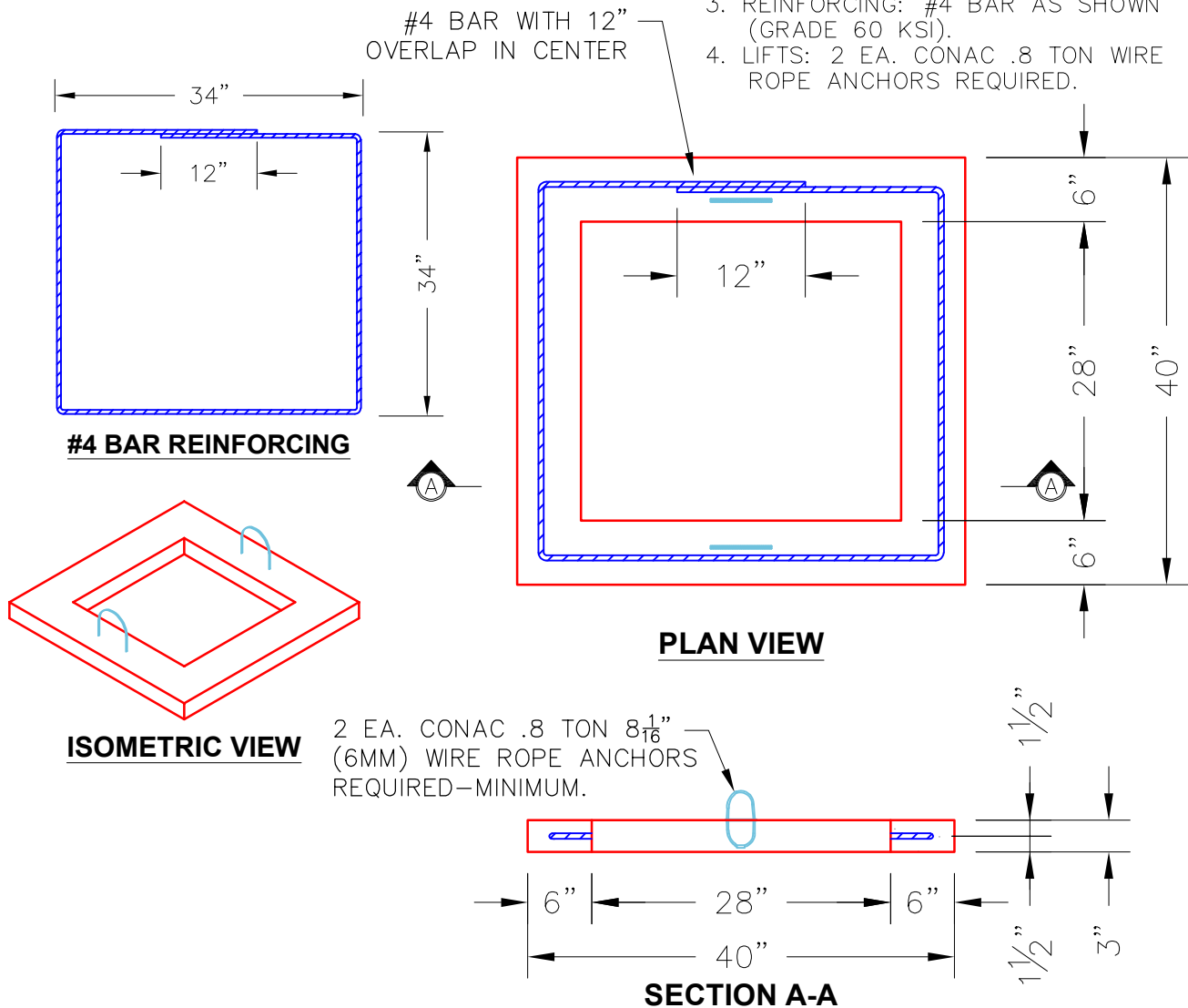
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

REINFORCING PER ASTM A615 (GRADE 60).

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

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

Weight (Net): 205 lb
Volume (Net): 0.05cu.yd

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

Plant: Beaver Dam
6/9/2026 10:40:24 AM

Tech: S. Felletter
PC: Erica Bradley



Structure ID: R20

P2 GR28x28x6x3

GRADE RING 6"W F/F

P3) 28" x 28" - CASTING HEIGHT - 5"
P2) 28" x 28" - GRADE RING 6"W F/F - 3"
P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48"
1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK
1) CASTING - JBS 3104-V SINGLE SET
2) 28" x 28" - Conseal CS-102 1.00"
3) Hole - 26

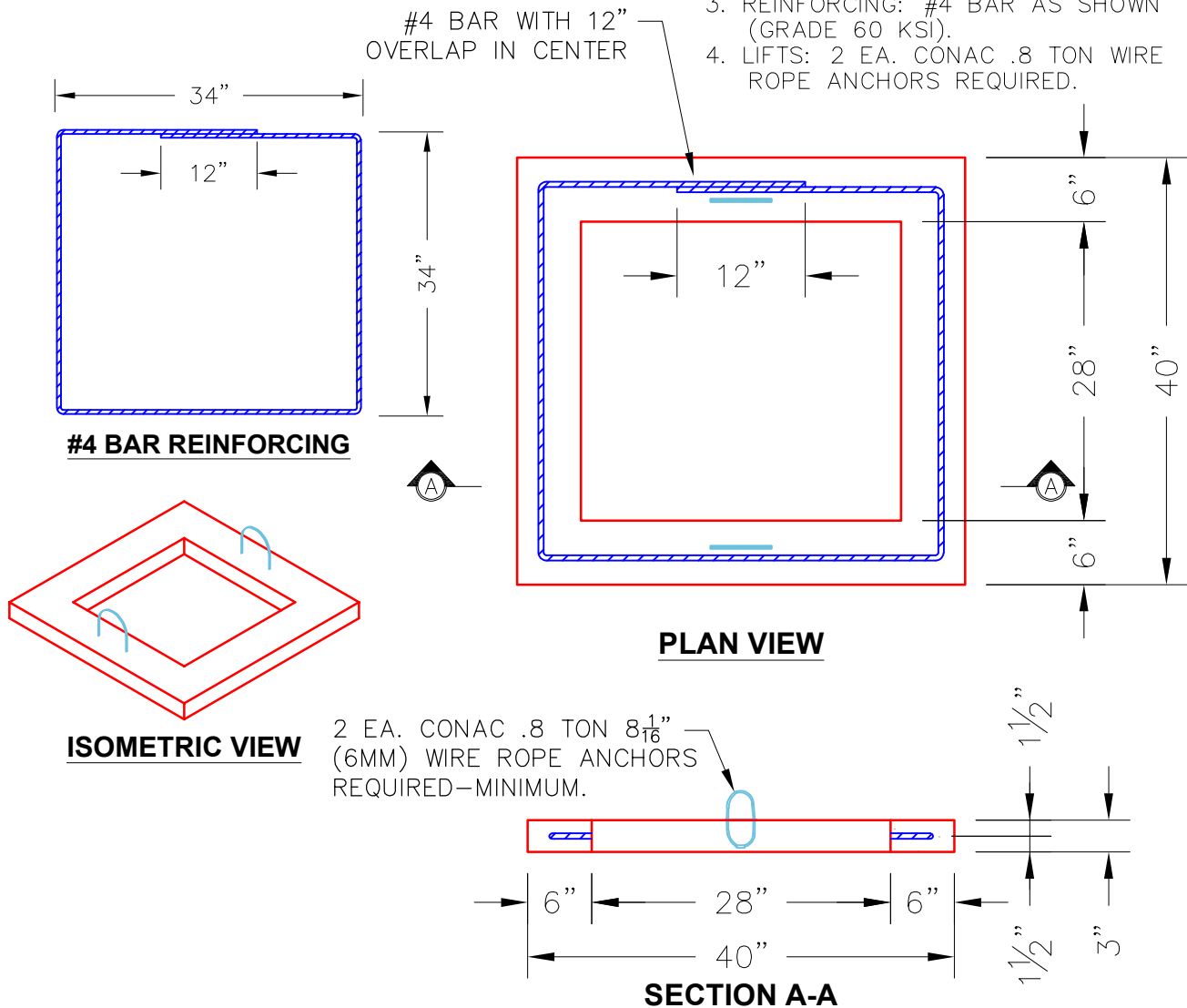
0 lb
205 lb
3290 lb
450 lb
250 lb
0 lb
0 lb

Structure Total: 4196 lb

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

Weight (Net): 205 lb
Volume (Net): 0.05cu.yd



12" - HW AW w/FOOTER

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Job Name: 26-2227 - UK Research and Education Center Entrance
Job Location: Princeton, KY
Contractor: J & J Excavating

Plant: Beaver Dam, KY

Tech: K. Cardwell

7/18/2026 11:10:07 AM

PC: E. Bradley



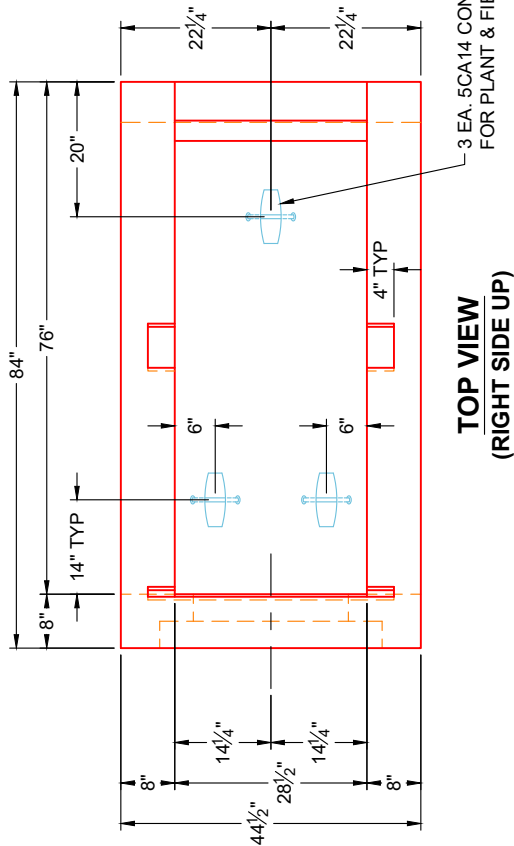
Structure ID: QL2 HW

P1 HWSB02314

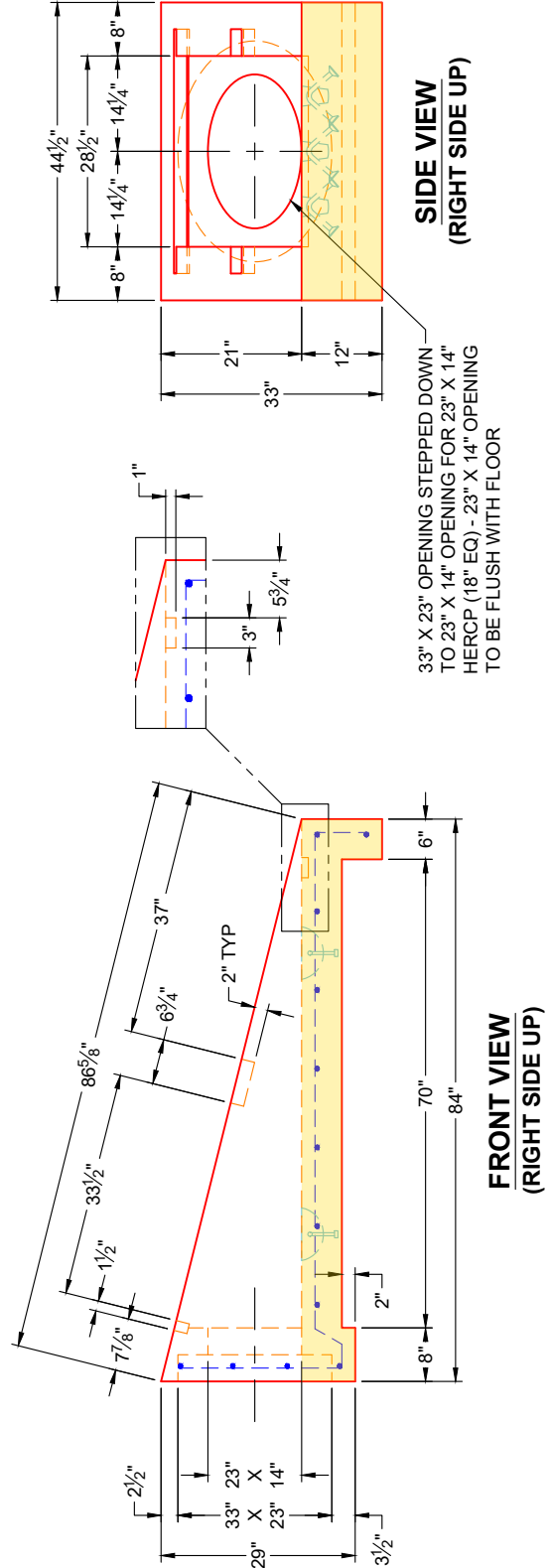
23" x 14" - SLOPED BOX INLET/OUTLET TYPE 1 F/F

GENERAL NOTES:

- THIS DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWING RDH-110-08 & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
- CONCRETE: 4,500 PSI AT 28 DAYS
- REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- REINFORCING BARS TO BE TACK WELDED OR TIED
- $\frac{3}{4}$ " CHAMFER REQUIRED ON ALL EXPOSED EDGES
- PIPE & LIFTING ANCHOR POCKETS TO BE GROUTED BY CONTRACTOR
- TOTAL WEIGHT: 3,358 LBS
- FIRST POUR: 2,076 LBS
- SECOND POUR: 1,282 LBS
- JR HOE KY-298 GRATES SUPPLIED BY ICAST



TOP VIEW
(RIGHT SIDE UP)



Job Name: 26-2227 - UK Research and Education Center Entrance
Job Location: Princeton, KY
Contractor: J & J Excavating

Plant: Beaver Dam, KY

Tech: K. Cardwell

7/18/2026 11:10:07 AM

PC: E. Bradley



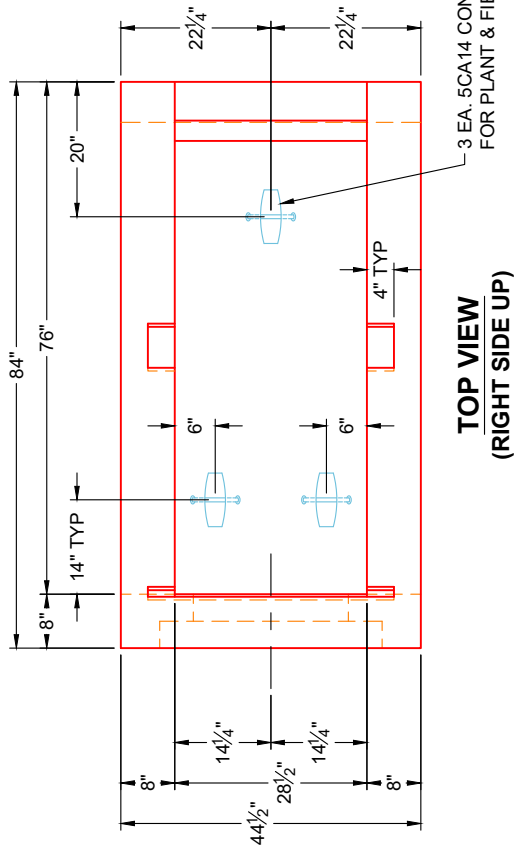
Structure ID: QL2 HW

P1 HWSB02314

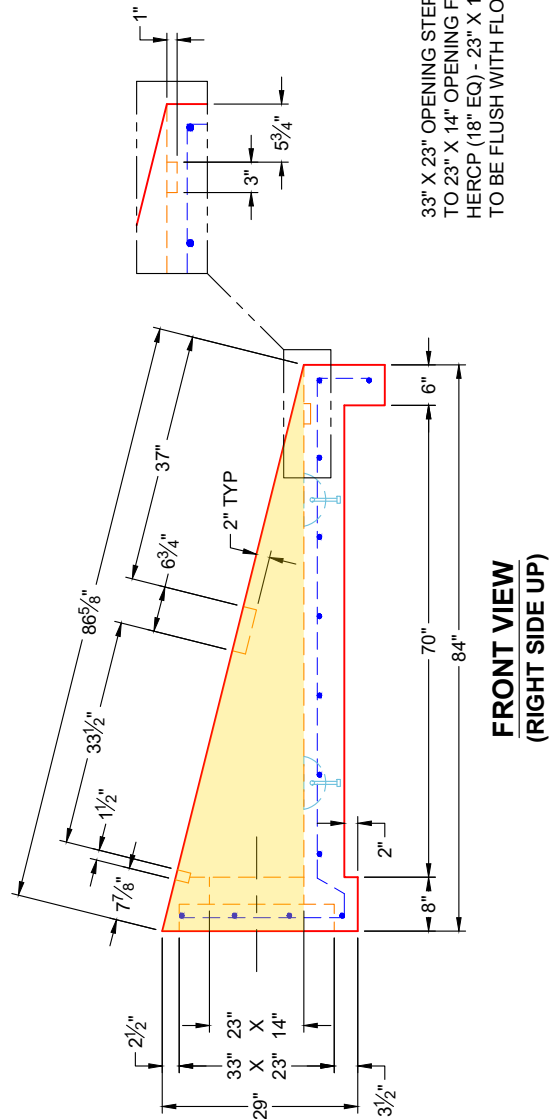
23" x 14" - SLOPED BOX INLET/OUTLET TYPE 1 F/F

GENERAL NOTES:

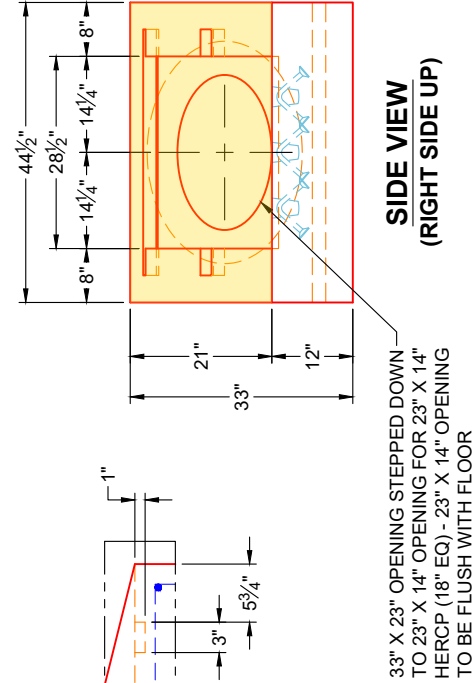
- THIS DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWING RDH-110-08 & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
- CONCRETE: 4,500 PSI AT 28 DAYS
- REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- REINFORCING BARS TO BE TACK WELDED OR TIED
- $\frac{3}{4}$ " CHAMFER REQUIRED ON ALL EXPOSED EDGES
- PIPE & LIFTING ANCHOR POCKETS TO BE GROUTED BY CONTRACTOR
- TOTAL WEIGHT: 3,358 LBS
- FIRST POUR: 2,076 LBS
- SECOND POUR: 1,282 LBS
- JR HOE KY-298 GRATES SUPPLIED BY ICAST



TOP VIEW
(RIGHT SIDE UP)



FRONT VIEW
(RIGHT SIDE UP)



SIDE VIEW
(RIGHT SIDE UP)

Job Name: 26-2227 - UK Research and Education Center Entrance
Job Location: Princeton, KY
Contractor: J & J Excavating

Plant: Beaver Dam, KY
7/18/2026 11:10:07 AM

Tech: K. Cardwell
PC: E. Bradley

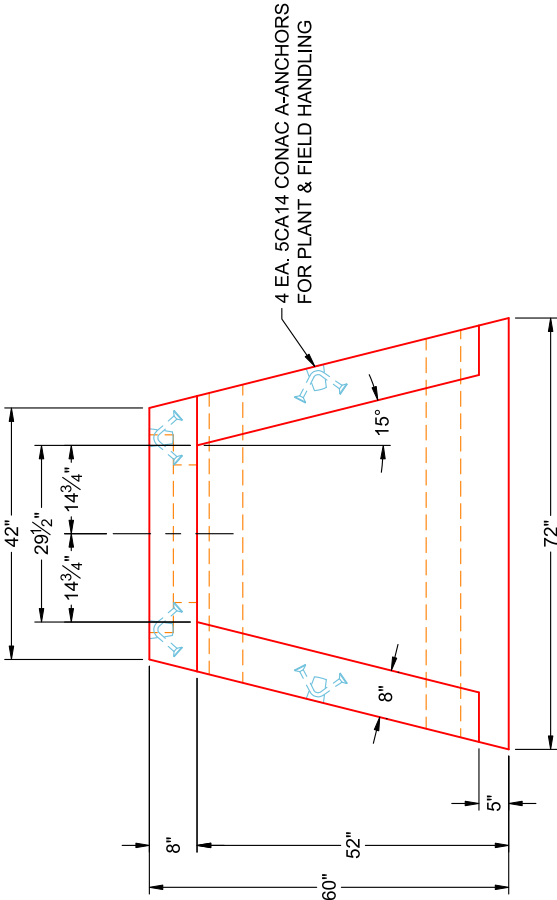


Structure ID: QL1 HW (3)

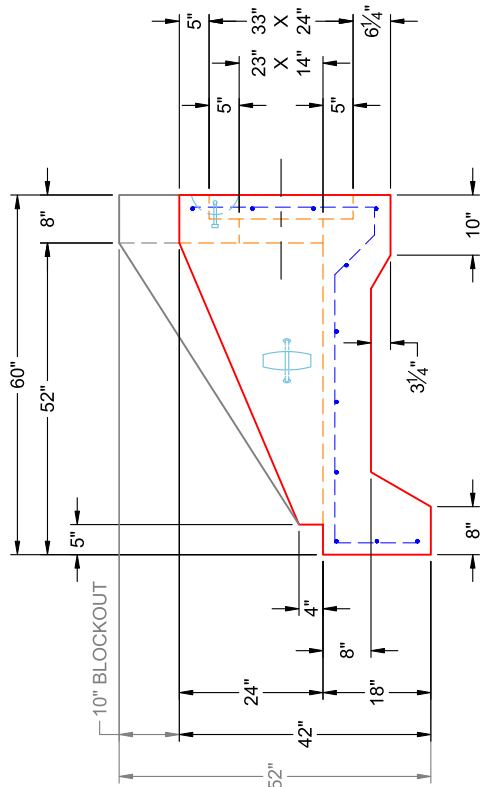
P1 HWPC1423 23" x 14" - SLOPED & FLARED HEADWALL (ELL. RCP) F/F

GENERAL NOTES:

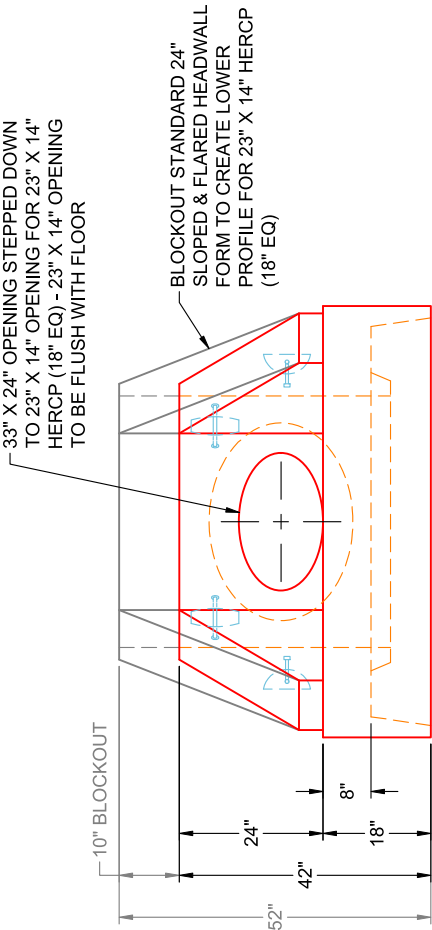
- 1. THIS DRAWING TO BE USED IN CONJUNCTION WITH KYTC STANDARD DRAWING RDH-020-03 & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
- 2. CONCRETE: 4,500 PSI AT 28 DAYS
- 3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
- 4. REINFORCING BARS TO BE TACK WELDED OR TIED
- 5. 3/4" CHAMFER REQUIRED ON ALL EXPOSED EDGES
- 6. PIPE & LIFTING ANCHOR POCKETS TO BE GROUTED BY CONTRACTOR
- 7. WEIGHT: 4,215 LBS



TOP VIEW
(RIGHT SIDE UP)



SIDE VIEW
(RIGHT SIDE UP)



FRONT VIEW
(RIGHT SIDE UP)

Job Name: 26-1185 - Wells Fargo Smyrna
Job Location: Smyrna, TN 37167
Contractor: Hayes Pipe Supply

Plant: 100
7/21/2026 3:56:01 PM

Tech: Jared - F
PC: E. Bradley



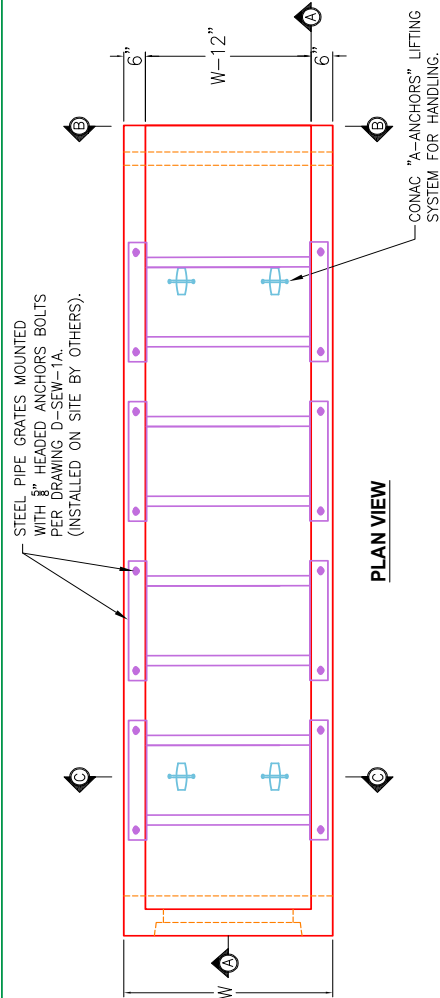
Structure ID: D1-3 HW

P1 HWT DOT6-1SA15C

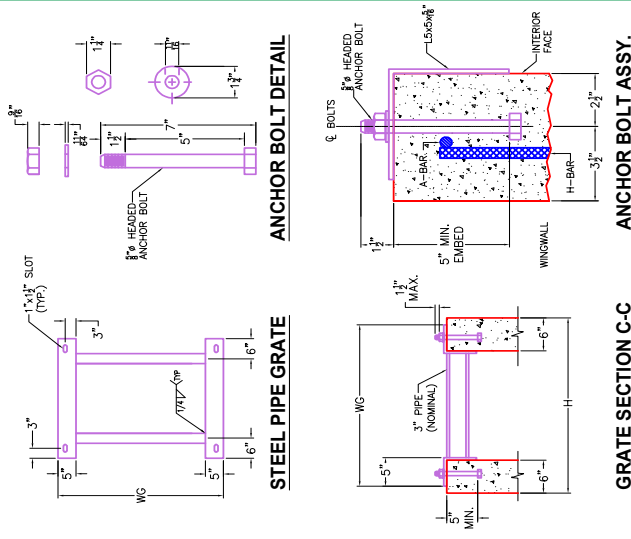
15" - HW TDOT 6:1 Type Safety Side Drain Endwall Custom F/F

GENERAL NOTES

- DRAWING TO BE USED FOR ALL 15" THROUGH 48" SIDE DRAIN CONCRETE ENDWALLS.
- MANUFACTURING, FOR CROSS DRAINS ONLY.
- CONCRETE: $f_c = 4,500$ PSI @ 28 DAYS.
- REINFORCING STEEL: ASTM A615, $F_y = 60,000$ PSI. SEE STD. DWGS: D-PE-15A, D-PE-18, D-PE-24A, D-PE-30A, D-PE-36A, D-PE-42A & D-PE-48A FOR BILL OF STEEL.
- SPLICING OF REINFORCEMENT IS ACCEPTABLE PROVIDED THAT A MINIMUM 21" SPLICE LENGTH IS USED.
- APPROPRIATE SIZING AND LOCATIONS OF THE LIFTING INSERTS WILL BE THE RESPONSIBILITY OF INFRASTRUCTURE PRECAST, INC.
- LIFTING INSERT POCKETS SHALL BE GROUTED ON SITE BY THE CONTRACTOR AFTER THE ENDWALL IS SET AS PER TDOT REQUIREMENTS.
- DIMENSIONAL AND REINFORCING TOLERANCES WILL BE AS SHOWN IN STANDARD OPERATING PROCEDURE (SOP) 5-3.
- PIPE OPENINGS FOR HEADWALLS ARE BASED ON REINFORCED CONCRETE PIPE WITH TYPE "B" WALL AS PER AMERICAN CONCRETE PIPE ASSOCIATION (ACPA). OUTSIDE DIAMETER + 3"-4".
- TOE WALL BACK SLOPE MAY BE CONSTRUCTED VARIABLE FROM VERTICAL UP TO 15°.

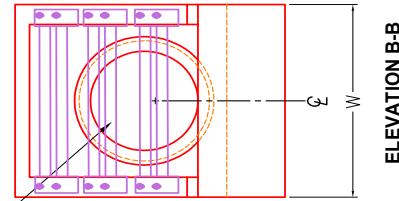


PLAN VIEW



STEEL PIPE GRATE

ANCHOR BOLT DETAIL



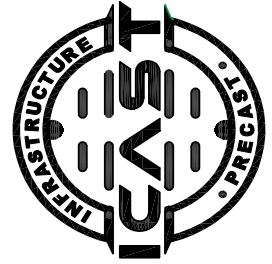
ELEVATION B-B

SECTION A-A

DIMENSIONS AND QUANTITIES FOR ONE ENDWALL 6:1									
SIDE DRAIN DIA. (D)	CONCRETE ENDWALL DIMENSIONS			GRATE DISPLACEMENT DIMENSIONS			STRUCTURAL STEEL GRATE DIMENSIONS AND QUANTITY		WEIGHT
	H	W	L1	L2	L3	L4	L5	WG	
15"	2'-11"	2'-8"	11'-2"	11'-3"	2'-2"	1'-0"	2'-1"	2'-5"	2 172 4,737
18"	3'-2"	2'-11"	12'-8"	12'-10"	10"	1'-0"	1'-0"	2'-8"	3 269 5,833
24"	3'-9"	3'-6"	16'-2"	16'-4"	2'-2"	1'-0"	3'-2"	3'-3"	3 296 8,848
30"	4'-5"	4'-1"	20'-2"	20'-5"	2'-2"	1'-0"	3'-3"	3'-10"	4 694 12,880
36"	5'-0"	4'-8"	23'-8"	23'-11"	2'-2"	1'-0"	2'-9"	4'-5"	5 975 17,186
42"	5'-6"	5'-3"	26'-8"	27'-0"	2'-2"	1'-0"	1'-10"	5'-0"	6 1,300 21,532
48"	6'-1"	5'-10"	30'-2"	30'-7"	2'-2"	1'-0"	1'-5"	5'-7"	7 1,669 27,092

DIMENSIONS AND QUANTITIES FOR ONE ENDWALL 12:1									
PIPE CULV. DIA.	CONCRETE ENDWALL DIMENSIONS			STRUCTURAL STEEL GRATE DIMENSIONS AND QUANTITY			STRUCT. STEEL BAR REINFORC.		WEIGHT
	H	W	L1	L2	L3	L4	L5	WG	
18"	3'-14"	3'-1"	26'-0"	24'-1"	2'-1"	3'-0"	2'-10"	5	480 256 11,119

INFRASTRUCTURE PRECAST, INC.
981 WEST 7TH ST., BEAVER DAM, KY. 42320
PHONE: (270) 363-2238, FAX: (270) 298-7424



TDOT TYPE "SAFETY" SIDE DRAIN ENDWALL WITH STEEL PIPE GRATES FOR 15" THROUGH 48" PIPES (6:1 & 12:1 SLOPES)

DRAWING NO.: ET-TDOT-200
DATE: 10-02-25
REVIEWED BY: J.H. ROSS, PE
DRAWN BY: N. RICHARDS
WEB: WWW.ICASTINC.COM
SCALE: NTS

Job Name: 26-3130 - Boehm's Pit
Job Location: Manchester, TN
Contractor: Robert Boehm

Plant: 100

7/30/2026 7:42:31 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: QL1

P1 BX048144-06BAVF-CDARED

BOX BASE 6inW, 6inF, Variable Ht w/ConBlock-CDA Red

P1) 48" x 144" - BOX BASE 6inW, 6inF, Variable Ht w/ConBlock-CDA Red - 60"

- 1) SUMP DISH
- 1) SECONDARY POUR - WALLS
- 1) 48" x 144" - Con Seal CS-102 1.00" (Double)

Structure Total:

17037 lb

0 lb
0 lb
0 lb

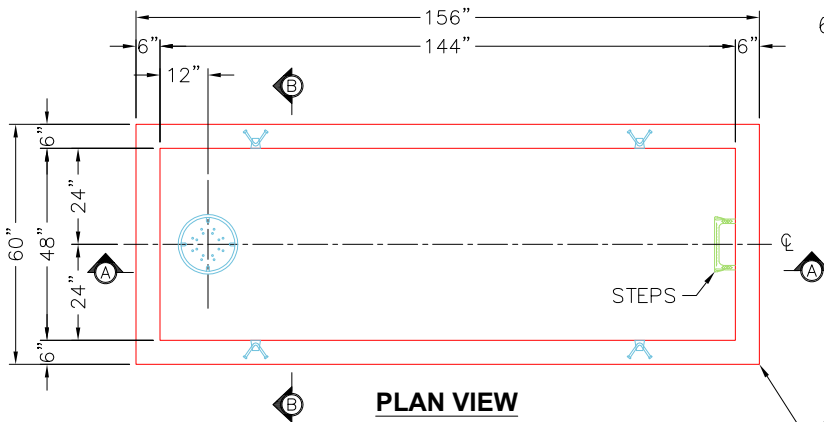
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. ADMIXTURE = CONBLOCK CDA RED.

REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

NOTES:

1. MANUFACTURED PER ASTM C913 (LATEST REVISION).
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING: BASE #5 BARS @ 8" C/C E.W. (GRADE 60)
4. JOINT SEALANT - CONSEAL CS-102 (1") DOUBLE. (SUPPLIED BY ICAST).
5. ALL SECTIONS REQUIRE CONBLOCK CDA RED ADMIXTURE.
6. WEIGHT: 60" BASE.....17,037 LBS

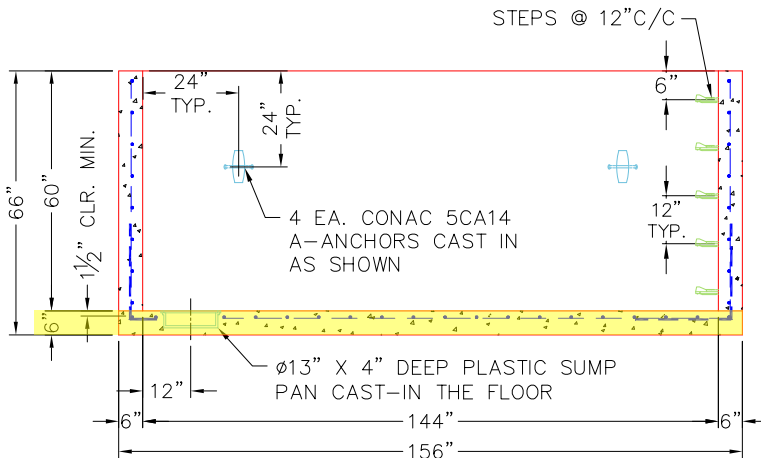


FIRST POUR DRAWING

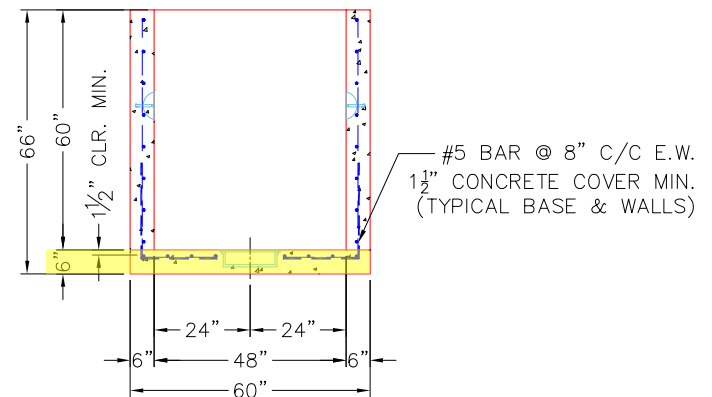
WEIGHTS

FIRST POUR: 4,712 LBS.
SECOND POUR: 12,325 LBS.
TOTAL: 17,037 LBS.

CONBLOCK CDA RED
ADMIXTURE REQUIRED



SECTION A-A



SECTION B-B

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

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

Weight (Net): 17037 lb
Volume (Net): 4.35cu.yd

Job Name: 26-3130 - Boehm's Pit
Job Location: Manchester, TN
Contractor: Robert Boehm

Plant: 100

7/30/2026 7:42:31 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: QL1

P1 BX048144-06BAVF-CDARED

BOX BASE 6inW, 6inF, Variable Ht w/ConBlock-CDA Red

P1) 48" x 144" - BOX BASE 6inW, 6inF, Variable Ht w/ConBlock-CDA Red - 60"

- 1) SUMP DISH
- 1) SECONDARY POUR - WALLS
- 1) 48" x 144" - Con Seal CS-102 1.00" (Double)

Structure Total:

17037 lb

0 lb
0 lb
0 lb

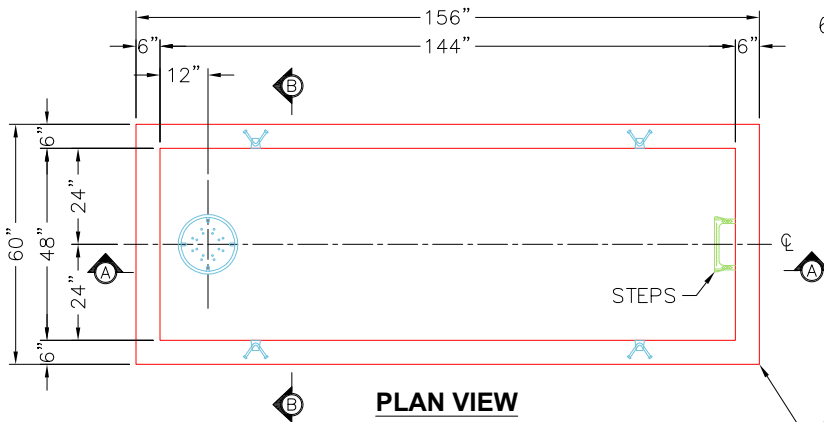
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. ADMIXTURE = CONBLOCK CDA RED.

REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

NOTES:

1. MANUFACTURED PER ASTM C913 (LATEST REVISION).
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING: BASE #5 BARS @ 8" C/C E.W. (GRADE 60)
4. JOINT SEALANT - CONSEAL CS-102 (1") DOUBLE. (SUPPLIED BY ICAST).
5. ALL SECTIONS REQUIRE CONBLOCK CDA RED ADMIXTURE.
6. WEIGHT: 60" BASE.....17,037 LBS

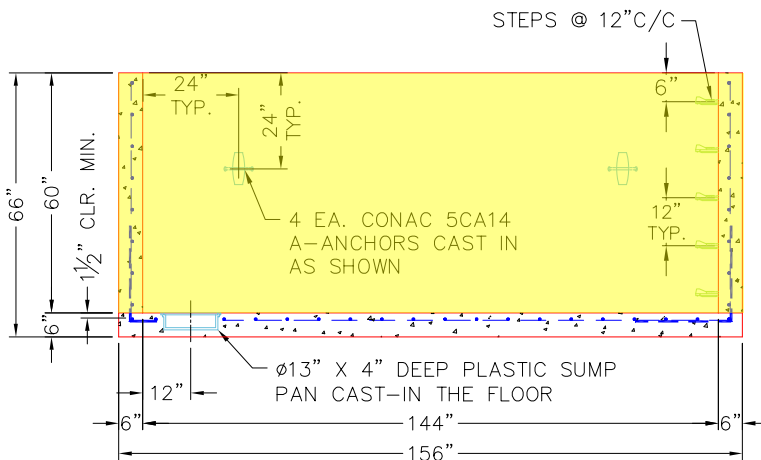


PLAN VIEW

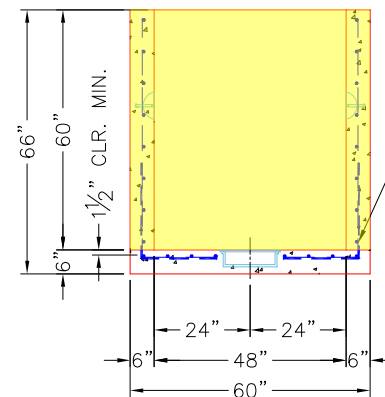
SECOND POUR DRAWING

WEIGHTS
FIRST POUR: 4,712 LBS.
SECOND POUR: 12,325 LBS.
TOTAL: 17,037 LBS.

CONBLOCK CDA RED
ADMIXTURE REQUIRED



SECTION A-A



SECTION B-B

Coating (Int):
Coating (Ext):

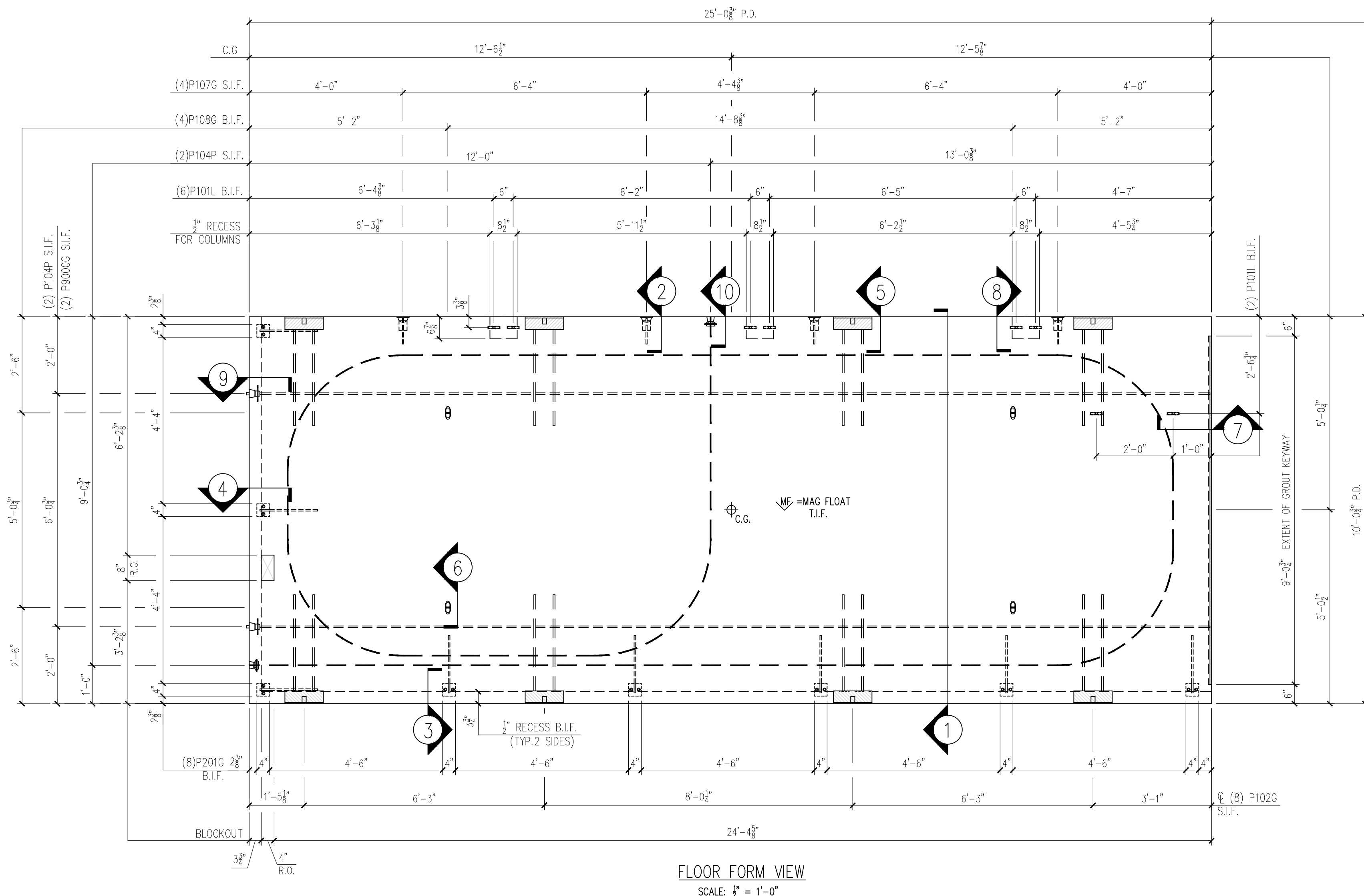
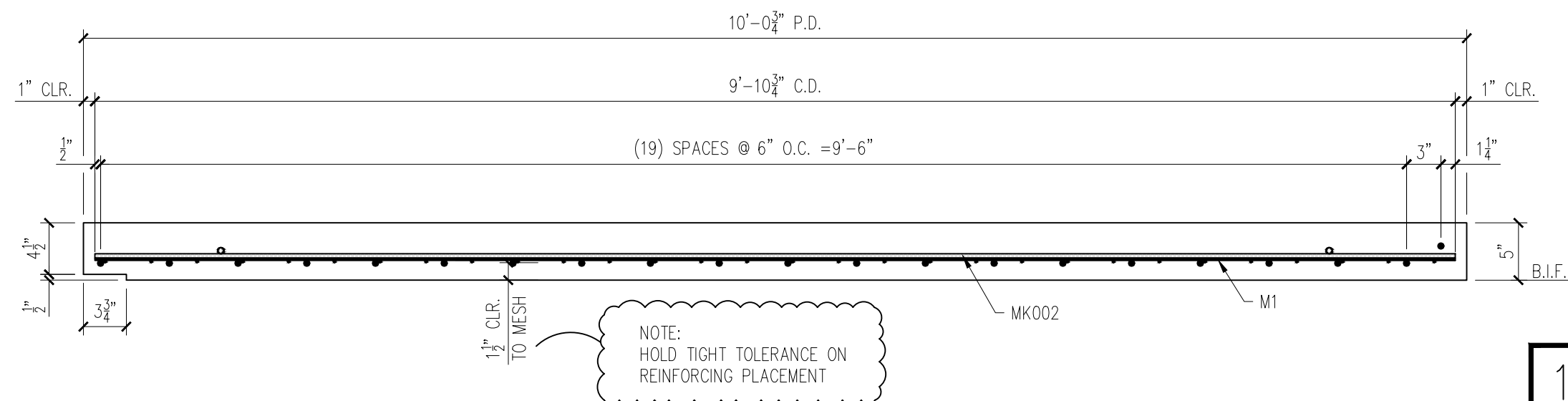
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

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

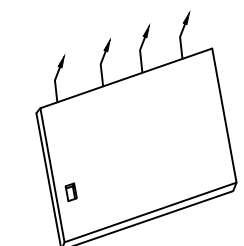
Weight (Net): 17037 lb
Volume (Net): 4.35cu.yd

25-3470
CCHS Precast Buildings
Right Hand Dugout
ID - CVBS
Floor - FP-01
Weight - 15,655
1 Required

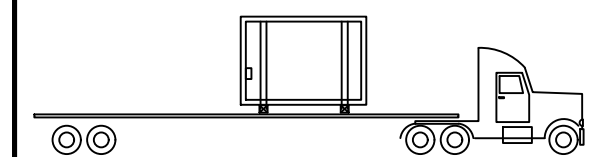
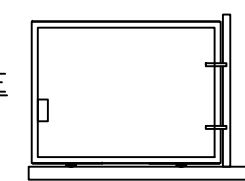


BILL OF MATERIALS		
MARK #	DESCRIPTION	QTY.
P201G	4"x4"x $\frac{3}{8}$ " W/ (2) $\frac{3}{8}$ " ϕ x1 $\frac{1}{2}$ " H.A.S. W/1"-4" BENT REBAR (GALVANIZED)	8
P104P	U-S POST TENSION ANCHOR (PLAIN) WITH PLASTIC POCKET	4
P107G	4 TON RL-4 TECH ERECTION ANCHOR (79548SP) (GALVANIZED)	4
P102G	ESW P-4 LIFTING ANGLE (GALV.)	8
P9000G	1" ϕ E.M.T. TUBE 24'-10 $\frac{3}{8}$ " LONG (GALV.)	2
P108G	4 TON RL-24 PLATE ANCHOR (79128) (GALVANIZED)	4
P101L	$\frac{3}{8}$ " ϕ x 1 $\frac{1}{2}$ " F-63 FLARED THIN SLAB COIL INSERT (ELECTROPLATED)	8

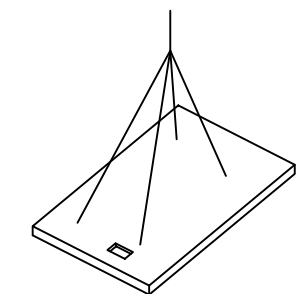
HANDLING INSTRUCTIONS



STRIPPING-TILT TABLE

SHIPPING

YARD STORAGE

ERECTION

CONCRETE INSTRUCTIONS	
CONCRETE @ RELEASE:	2,500 P.S.I.
CONCRETE @ 28 DAYS:	5,000 P.S.I.
POST-TENSION @	3,500 P.S.I.

CONCRETE MIXES	
CONCRETE - GRAY	VOLUME = 3.86 C.Y.
CONCRETE - MIX 1	VOLUME = - C.Y.
CONCRETE - MIX 2	VOLUME = - C.Y.
SOFT SOUND	VOLUME = - C.Y.
TOTALS	VOLUME = 3.86 C.Y.

WEIGHT: 15,655		LBS.	
FINISHING INSTRUCTIONS			

MF = MAG FLOAT FINISH

FF = FORM FINISH

L = 25'-0 3/8"	SQ.FT.(T.I.F.) = 250.44
W = 10'-0 3/4"	SQ.FT.(T.I.F.) = -
D = 5"	SQ.FT.(T.I.F.) = -

CONTROL NUMBERS:

<u>PRODUCT</u>	<u>SALES ORDER NUMBER</u>
BUILDING	-
<u>SHEET NUMBER</u>	<u>NUMBER REQUIRED</u>
1 OF 2	1

MESSAGE CENTER

1. REFER TO DETAILS FOR
REINFORCEMENT/CABLE PLACEMENT

2. SHOP TICKET SHOWS INSIDE
SURFACE OF FLOOR CAST FACE DOWN

CHECKED BY:

DATE:

APPROVED BY:

DATE:

EASI-SET® WORLDWIDE
5119 Catlett Rd. • Midland, VA 22728 • info@EasiSet.com
www.EasiSet.com • 800-547-4045 • Fax 540-439-2541

DATE	DESCRIPTION	INI.	REV.
-		-	Δ_1
-		-	Δ_2
-		-	Δ_3
-		-	Δ_4
-		-	Δ_5

PROJECT: 50'x10'x9'-10" SOFTBALL DUGOUT
5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240
CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

SCALE
NTS

DRAWN BY
FTI

CHECK BY
WCR

ISSUE DATE
07.22.26

PIECE MARK
EP 01

PT Check for Floor Panels FP-01 & 02 (PCI MNL - 1)

Material Data

(7) Wire lo-lax Strand - ASTM A416

Φ_{ps} 0.500 in,

A= 0.153 in²

E= 28500000 psi

f_{pu}= 270 ksi

Strand Length **912 in**

Assume (Info supplied by strand manufacturer)

k= 0.0007 Wobble Friction Coeff.

μ = 0.05 Curvature friction coeff. (Initial tension of 3,000 lbs)

Strand is to be stressed 70% of ultimate

= 28917 lbs

Adjustments to tensioning

1) Dead end anchor wedge seating loss

~ Expected to be 1/8 in

2) Live end anchor wedge seating loss

~ Expected to be 1/8 in, recommend over pull 1/8"

3) Elastic Shortening

Neglect for this pnl

4) Friction Loss

Additional force to overcome frictional forces between strand and sheathing

Tensioning Computations

Basic Elongation = $\frac{(\text{Force required beyond initial tension}) (\text{Length of strand between anchorages})}{(\text{Area of strand}) (\text{Modulus of Elasticity})}$

= 5.42 in

Adjustments

a) Dead end anchor wedge seating: Add 1/8" to elong. No force adjustment req'd

Add 1/8 in

b) Live end seating: over pull by 1/8"

1/8 in

Force adjustment t = 598 lbs lbs α = curvature = $\pi(2.5)$ 7.85 radians

c) Friction losses $\frac{PD}{PS} = e^{-(kL + \mu\alpha)}$

= 0.640

Avg. strand force = 0.820 17.99% Loss

Recommend sequential jacking at both ends of the tendon be used to reduce the overstressing the strand at the live end

Friction loss at mid-point of tendon

$\frac{PD}{PS} = e^{\frac{-(kL + \mu\alpha)}{2}}$

= 0.800

Avg. strand force over

half of tendon = 0.900 9.99% Loss

Total force and elongation at live end must be increased to compensate for friction losses

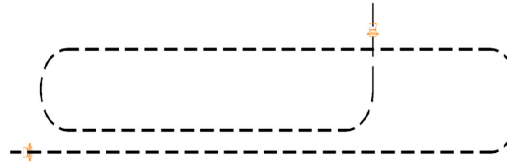
Elong. Adjustment = 0.542 in

Force Adjustment = 2889 lbs

Total Force Required = 32404 lbs **OK**

Elongation Summary:

Gross Theoretical Elongation			
Basic Elongation	5.42 in		
Dead End Seating Loss	0.125 in		
Live End Seating Loss	0.125 in		
Friction Losses	0.542 in		
Total Elongation	6.21 in		
Rounded	6 3/16 in		
Tolerance limits	-7.0%	5.78 in	5 12/16 in
	+7.0%	6.65 in	6 10/16 in



Cable Configuration

**25-3470
CCHS Precast Buildings
Right Hand Dugout
ID - CVBS
Floor - FP-01
Weight - 15,655
1 Required**

Job Name: 26-1787 - Kroger Expansion
Job Location: Murray, KY
Contractor: Parker Excavating, LLC.

Plant: 100

7/22/2026 3:26:56 PM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: C7 ST-CI

P3 BX048072-08LD08-SP

CB FLAT TOP 8"W w/30"x36" HOLE F/F

- P5) 6" x 36" - CASTING - Curb Back/Hood - 3.50"
P4) 30" x 36" - CASTING - Frame&Grate F/F - 6.50"
P3) 48" x 72" - CB FLAT TOP 8"W w/30"x36" HOLE F/F - 8"
P2) 48" x 72" - BOX RISER 8inW, Variable Ht F/G - 72"
P1) 48" x 72" - BOX BASE 8inW, 8inF, Variable Ht T/n - 65"
1) SECONDARY POUR
1) CASTING - JBS 2064-V SET (F/G/H)
2) 48" x 72" - Conseal CS-102 1.00"
2) Hole - 30
1) Hole - 20
4) Hole - 6
11) MH Step ML-10-TDS-NCR - 10"

0 lb
0 lb
3056 lb
12846 lb
14037 lb
0 lb
500 lb
0 lb
0 lb
0 lb
0 lb
0 lb

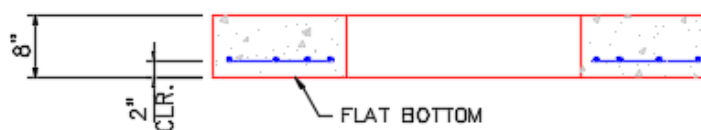
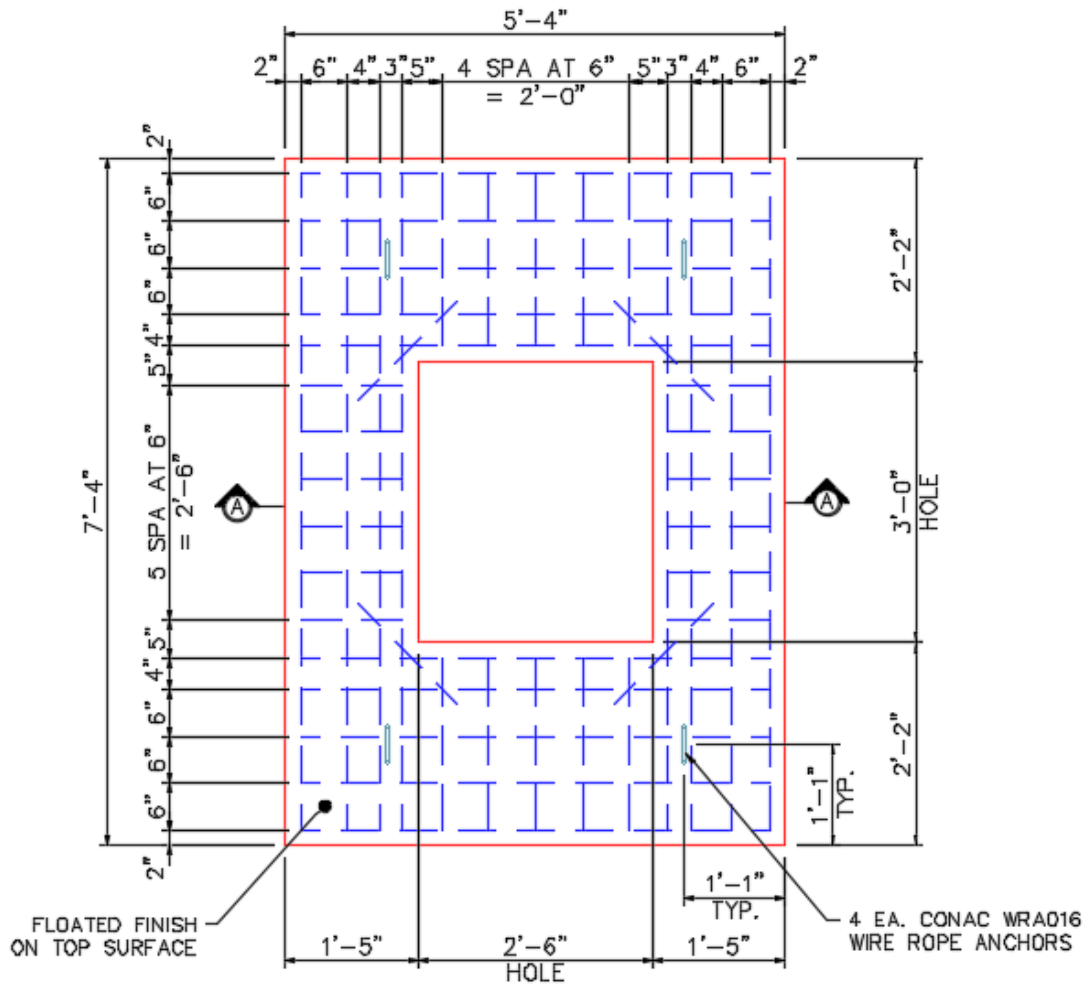
Structure Total: 30439 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS 2064 F/G)

REINFORCING PER ASTM A615 (GRADE 60).

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



#5 BAR CUT LIST

- 8 EA. @ 74" LG.
- 5 EA. @ 22" LG.
- 10 EA. @ 60" LG.
- 12 EA. @ 13" LG.
- 4 EA. @ 16" LG.

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 3056 lb
Volume (Net): 0.78cu.yd



Weight (Net): 3297 lb
Volume (Net): 0.84cu.yd

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

Plant: Beaver Dam

Tech: J. Horsley

6/26/2026 7:44:35 AM

PC: C. Goff



Structure ID: 225

P2 BXLD3636FL-8T8WSP

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

- P3) 24" - CASTING (cast in) - 4"
P2) 36" x 36" - BX FLAT LID 8inW SPEC. (KY JB-B1) F/F - 8"
P1) 36" x 36" - BOX BASE 8inW, 8inF F/n - 60"
1) CASTING - HOE KY-206 F/C (KY TY1)
1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast)
1) 36" x 36" - Con Seal CS-102 1.00"
2) Hole - 30
1) Hole - 20

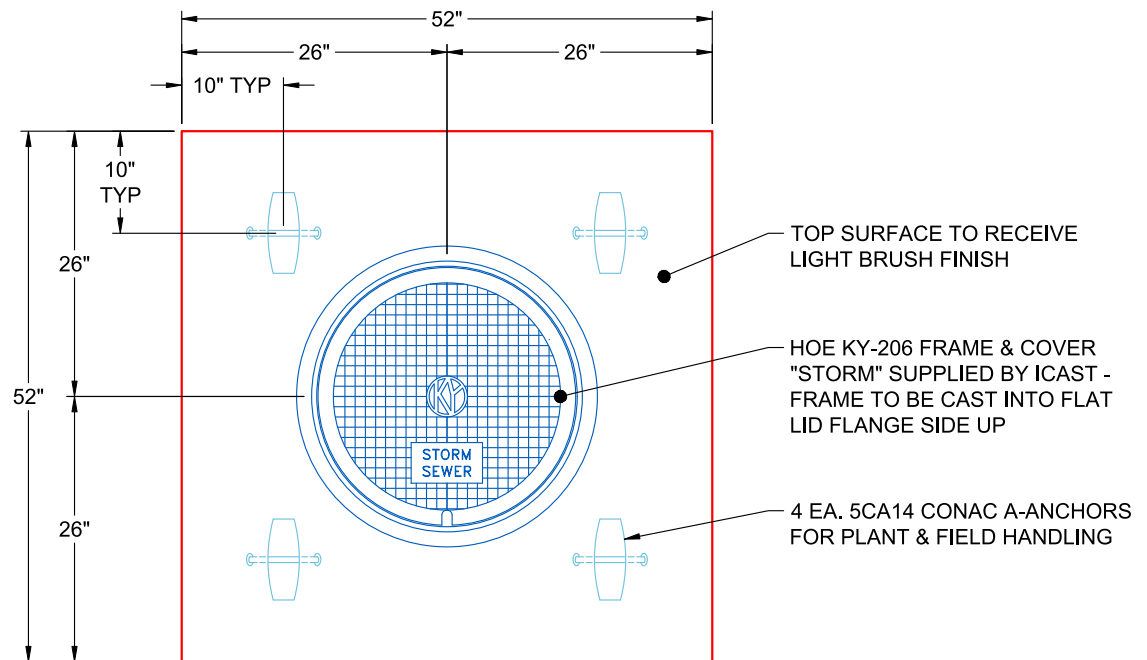
0 lb
1670 lb
7744 lb
206 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 9620 lb

Structure Notes:

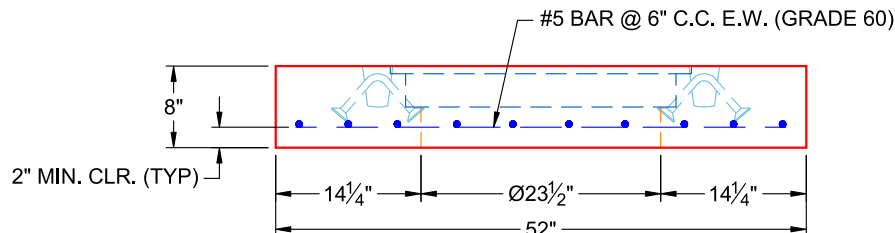
** KYTC STATE PROJECT **

STATION: 421+90 RT

1. PER KYTC JB TYPE B / ASTM C-913 SPECS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO FLAT LID FLANGE SIDE UP
5. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
6. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH



**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 1670 lb
Volume (Net): 0.43cu.yd

Job Number:

24-4208

Job Name:

KYTC Christian Co. Call 100
(241018)

Structure:

225

Note:

HOE KY-206 Frame Supplied By
iCast To Be Cast Into Flat Lid Flange
Side Up

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)
Job Location: Indiana, KY
Contractor: Louisville Paving and Construction

Plant: 100

6/12/2026 3:12:26 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 64

P3 BX024030-08LD08-15X27

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

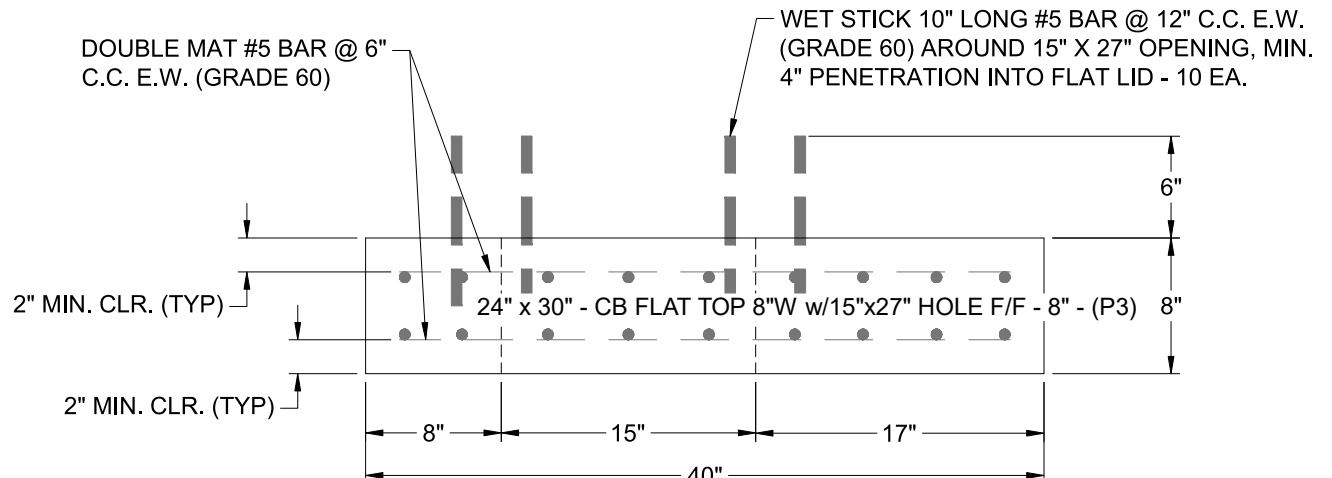
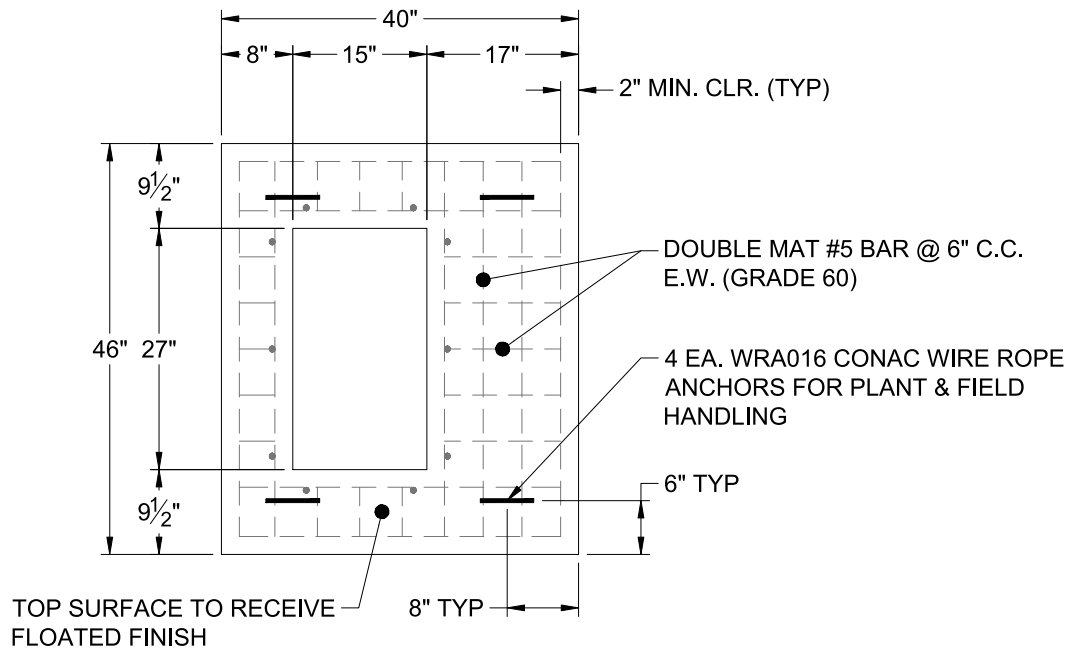
P4) 15" x 27" - P.I.P. - BY OTHERS - 8"
P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"
P2) 24" x 30" - BOX RISER 8inW F/G - 36"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 35"
2) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 24
1) Hole - 18
2) Hole - 4

Structure Total: 8228 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI TYPE 13G / ASTM C-913 SPECS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: DOUBLE MAT #5 BAR @ 6" C.C.
4. HOE KY-230G FRAME & GRATE SUPPLIED BY OTHERS - POURED IN PLACE BY OTHERS
5. WET STICK #5 BAR @ 12" C.C. (GRADE 60) 6" OUT TOP OF FLAT LID AROUND 15" X 27" OPENING FOR FIELD POUR TIE-IN - 4" MIN. PENETRATION INTO FLAT LID
6. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
7. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
Coating (Ext):

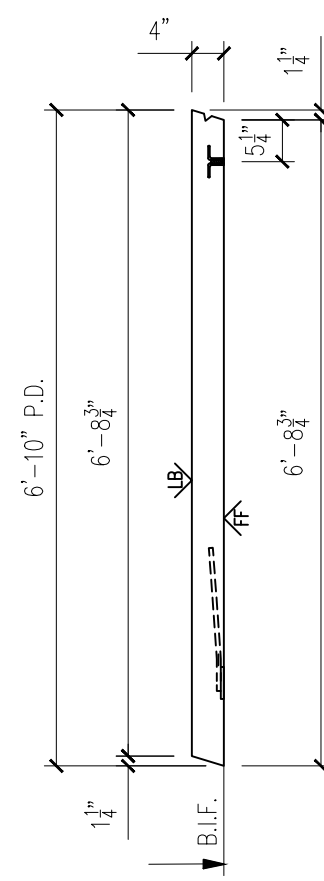
Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

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

1 Required



ROOF FORM VIEW
SCALE: $\frac{1}{2}" = 1'-0"$

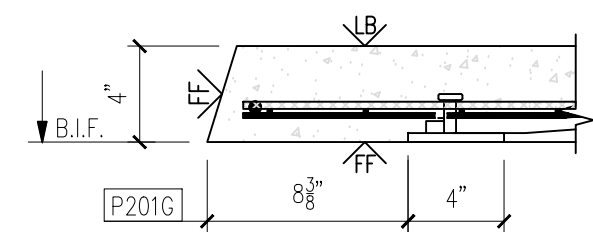
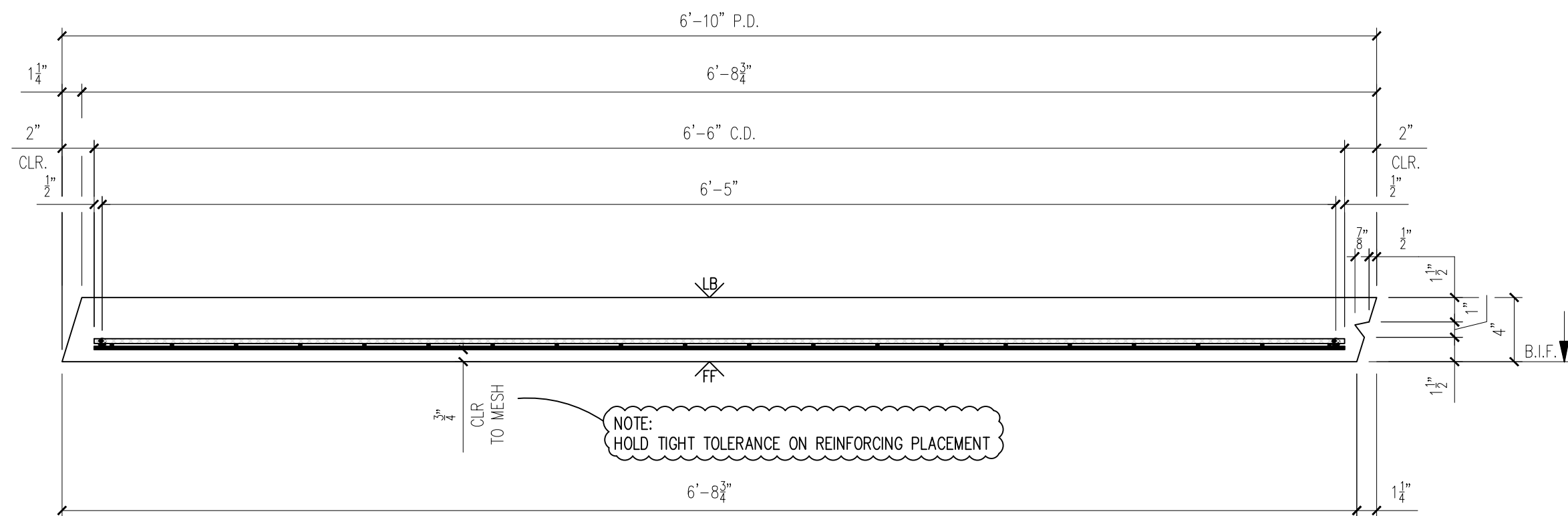


Diagram illustrating the concept of ERECTION, showing a square base with a vertical line extending upwards from its center, representing the axis of erection.

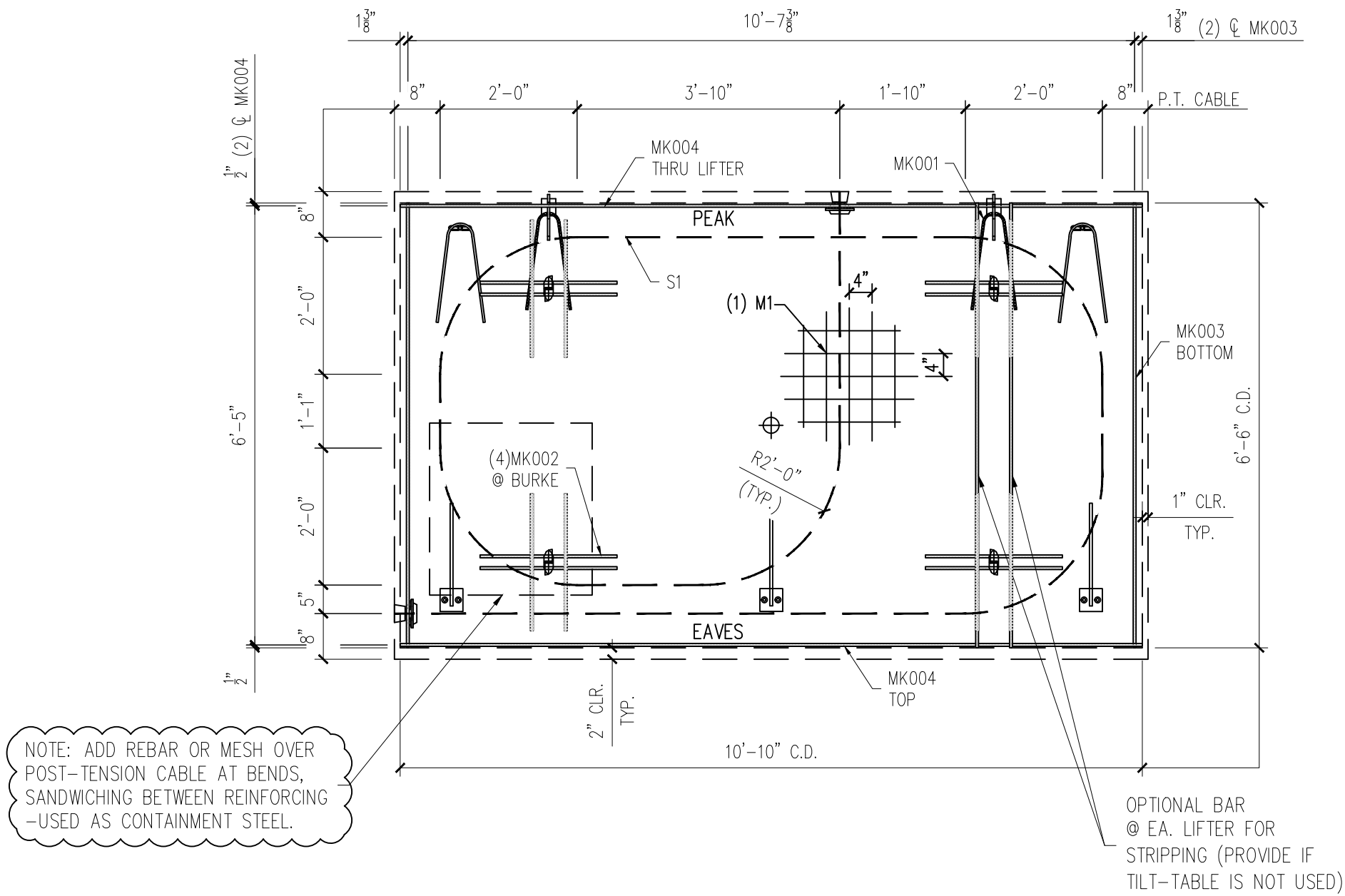
<u>PRODUCT</u>	<u>SALES ORDER NUMBER</u>
BUILDING	STANDARD
<u>SHEET NUMBER</u>	<u>NUMBER REQUIRED</u>
1 OF 2	2

CHECKED BY:	DATE:
APPROVED BY:	DATE:

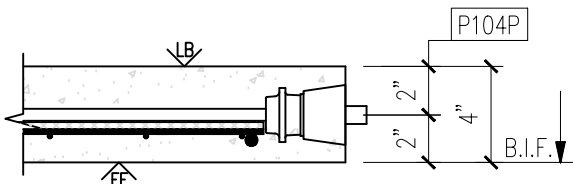
SCALE NTS
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 06.09.26
PIECE MARK BRFG-10B

25-4460
Olin Chemical Building
ID - CVT
ROOF PANEL B - BRFG-10B
Weight - 3,700 LBS Each
1 Required

NOTE:
DIMENSIONS PROVIDED ARE PULLED FROM EDGE OF
CAGE TO CENTERLINE OF REBAR AND TO CENTER
OF REBAR TO CENTER OF REBAR



ROOF REINFORCING VIEW
SCALE: 1/2" = 1'-0"



MESSAGE CENTER

1. REFER TO DETAILS FOR REINFORCEMENT/CABLE PLACEMENT

2. SUPPLEMENTAL STEEL FOR STRIPPING AND HANDLING MAY BE ADDED AS REQUIRED.

CHECKED BY: DATE:
APPROVED BY: DATE:

- NOTES:
1. TRIM PLASTIC SHEATH AT BOTH ENDS OF THE PT CABLE TO FIT BETWEEN U-5 ANCHOR PLATES
 2. CONSTRUCT REBAR-MESH CAGE ACCORDING TO THE DRAWINGS. SECURE LIFTING APPARATUS TO FORM AND ADD PROPER REINFORCEMENT. PLACE REBAR-MESH CAGE AND HAIRPINS AT INSERTS WITH PROPER CLEARANCES (PER DRAWINGS).
 3. PLACE AND SECURE PT CABLE AS INDICATED ON THE DRAWINGS (REINFORCING VIEW)

PRODUCT	SALES ORDER NUMBER
BUILDING	STANDARD
SHEET NUMBER	NUMBER REQUIRED
2 OF 2	2

REINFORCING SCHEDULE		
MARK #	DESCRIPTION	QTY.
MK001	#3 X 3'-0"	4
MK002	#4 X 1'-6"	16
MK003	#3 X 6'-6"	2
MK004	#3 X 10'-10"	2
S1	1/2" X 41'-0" LONG P.T. CABLE	1
MESH SCHEDULE		
MARK #	DESCRIPTION	QTY.
M1	W4XW4 4"X4" WWF 10'-10" X 6'-6"	1

DATE	REV	INI.	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

PROJECT: 10'-0" x 12'-0" x 9'-0"
EASI - SET CABLED BUILDING

CONTRACTOR: -

SCALE NTS

DRAWN BY FTL

CHECK BY WCR

ISSUE DATE 06.09.26

PIECE MARK BRFG-10B

EASI-SET® WORLDWIDE

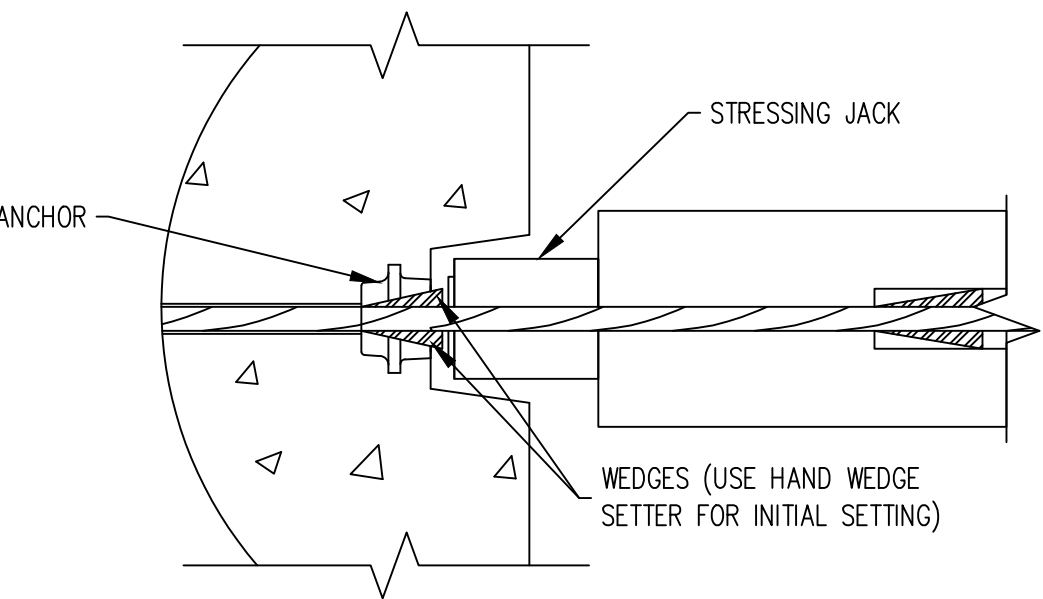
EASI-SET®

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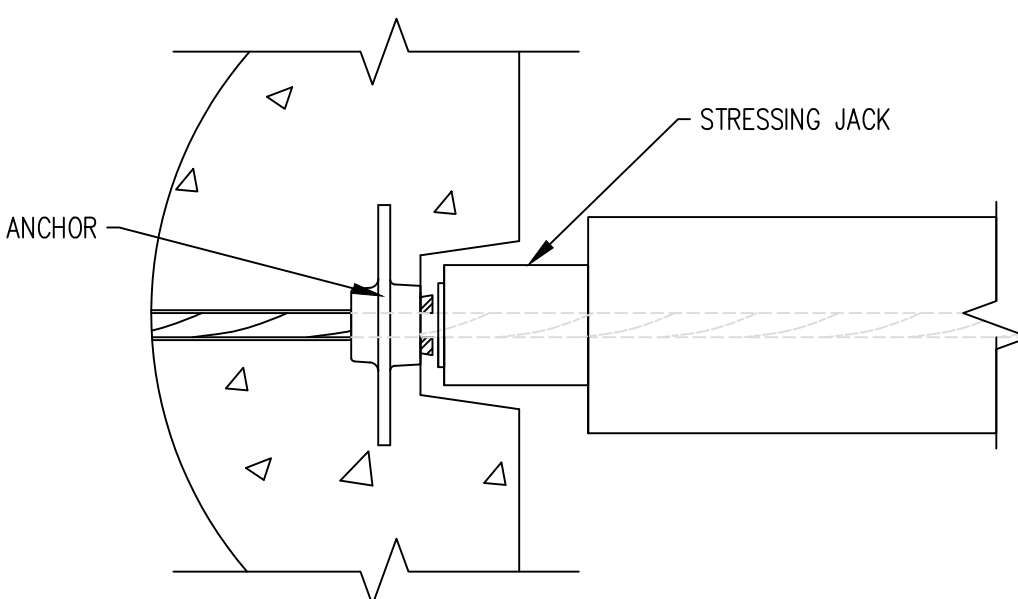
STRESSING PROCEDURES For Roofs and Floors – Model –

1. Remove form rails. Verify concrete strength with Schmidt Hammer or cylinder breaks. Concrete shall be a minimum of 3,750 PSI before cable can be stressed.
2. Remove recessed plastic pocket-formers at the post-tensioning anchor.
3. Remove the plastic sheath from the strand all the way from the base of the anchor to the end of the strand. Clean off grease from exposed portion of cable. Use a suitable solvent. Never heat or use flame on the cable.
4. Insure that the tapered holes in the anchors are cleaned and free of any debris or cement paste, which might interfere with proper wedge seating.
5. Install wedge sets around the strand at each anchor. Press the wedges in with the fingers evenly. Then, using a hand wedge setter, engage the wedges securely so that the stress will be evenly distributed over the wires of the strand.
6. Slide the stressing jack over the cable and place against the wedges installed in the cast-in anchors (see details A & B).
7. Using manufacturer recommendations, properly secure the stressing jack to the strand.
9. Standing back from the system, engage the jack to stress the strands until the pump pressure gauge corresponds to 33 K required tension on the ½” cable and note the elongation achieved. Whenever stressing, be sure to observe safety precautions and operator positioning in anticipation of unexpected failures.
NOTE: Force in the tendons shall always be measured by gauge readings and verified by elongation. Compare the elongation noted during stressing to the theoretical (calculated) elongation to ensure proper pull (tension) is reached. Refer to industry manuals (PCI) for the proper methods of calculating elongation.
10. Release pump pressure slowly and remove the jacking system and temporary stressing anchor. Your post release tension on the cable will be 28.5 K.
11. Cut off strand tails at 1” from the wedge and pack the holes with permanent grout. Repeat procedure for other end of cable

25-4460
Olin Chemical Building
ID - CVT
ROOF PANEL B - BRFG-10B
Weight - 3,700 LBS Each
1 Required



A



B

SAFETY INSTRUCTIONS:

NOTE: Stressing units are calibrated against load cells to determine the gauge pressures for a particular unit which will produce the desired engineering force. Gauge pressure versus actual load calibration should be checked every six months against a load cell. Never use equipment which has not been tested in the last 6 months. The Quality Control Department has the responsibility to insure the stressing unit is calibrated semi-annually. Refer to manufacturer for calibration charts specifically relating to the particular unit (stressing jack).

ROOF AND FLOOR POST-TENSIONING Stressing System Safety Instructions:

This equipment is designed and built to provide safety during equipment operation. It must be operated and maintained by personnel who are trained in and follow safe procedures. Since the forces involved in tendon stressing are in the order of 33 to 46 kips, it is obvious that failure from any cause could be damaging to personnel and property. Accordingly, stressing equipment operators are expected to observe all applicable safety precautions including the following but not limited to:

1. Before activating the pump, visually check all elastomeric tubing for nicks, cracks, or other damage and repair or replace if required.
2. See that all tubing joints are tightly connected.
3. Be sure that pump is supported in a stable manner and positioned to avoid strain on connection lines.
4. Be sure that protective dunnage and appropriate safety barriers are erected to protect the operator and any others in the area.
5. Observe the gauge pressure that will develop the required tensile force as marked on the tag attached to the pump. Locate this reading on gauge face.
6. Be certain that tensioning twin-rams are positively engaged and correctly aligned.
7. Activate pump and observe gauge. If pressure does not build up promptly, check system for leakage and make sure that anchors and wedges on both ends of the POLYSTRAND® tendons are properly engaged. After an initial tension on the strand (5K), stop and check for alignment. Make sure that the strand is at the top of the slot provided in the tension jack cylinder connector plates.
8. Continue pumping until final pressure/force is attained. When stressing long tendons, multiple strokes and resetting the temporary anchor will be required. – – CAUTION – – pressure will build extremely fast if rams are fully extended. Monitor ram extension and gauge readings continuously.
9. When the correct force has been applied to the tendon, stop the pump motor and release the pressure on the pack by opening the hydraulic valve.
10. Use care in moving and storing equipment to insure that gauge and tubing are not damaged.
11. Observe site rules pertaining to frequency of gauge calibration.

DATE	DESCRIPTION	INI.	REV
			△
			△
			△
			△

PROJECT: 10'-0" x 12'-0" x 9'-0"
EASI-SET CABLED BUILDING
-
CONTRACTOR: -

STRESSING PROCEDURES
SCALE NTS
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 06.09.26
SHEET P-02

PT Check for Roof Panel (PCI MNL - 116)

Material Data

(7) Wire lo-lax Strand - ASTM A416

Φ_{ps} 0.500 in,

A= 0.153 in²

E= 28500000 psi

f_{pu} 270 ksi

Strand Length 492 in

Assume (Info supplied by strand manufacturer)

k= 0.0007 Wobble Friction Coeff.

μ = 0.05 Curvature friction coeff. (Initial tension of 3,000 lbs)

Strand is to be stressed 70% of ultimate

= 28917 lbs

Adjustments to tensioning

1) Dead end anchor wedge seating loss

~ Expected to be 1/8 in

2) Live end anchor wedge seating loss

~ Expected to be 1/8 in, recommend over pull 1/8"

3) Elastic Shortening

Neglect for this pnl

4) Friction Loss

Additional force to overcome frictional forces between strand and sheathing



Cable Configuration

25-4460

Olin Chemical Building

ID - CVT

ROOF PANEL B - BRFG-10B

Weight - 3,700 LBS Each

1 Required

Tensioning Computations

Basic Elongation = $\frac{(\text{Force required beyond initial tension}) (\text{Length of strand between anchorages})}{(\text{Area of strand}) (\text{Modulus of Elasticity})}$

= 2.92 in

Adjustments

a) Dead end anchor wedge seating: Add 1/8" to elong. No force adjustment req'd

Add 1/8 in

b) Live end seating: over pull by 1/8"

1/8 in

Force adjustment t = 1108 lbs lbs α = curvature = $\pi(2.5)$ 7.85 radians

c) Friction losses $\frac{PD}{PS} = e^{-\{kL + \mu\alpha\}}$

= 0.656

Avg. strand force = 0.828 17.19% Loss

Recommend sequential jacking at both ends of the tendon be used to reduce the overstressing the strand at the live end

Friction loss at mid-point of tendon

$\frac{PD}{PS} = e^{-\frac{\{kL + \mu\alpha\}}{2}}$

= 0.810

Avg. strand force over

half of tendon = 0.905 9.50% Loss

Total force and elongation at live end must be increased to compensate for friction losses

Elong. Adjustment = 0.278 in

Force Adjustment = 2747 lbs

Total Force Required = 32772 lbs **OK**

Elongation Summary:

	Gross Theoretical Elongation		
Basic Elongation	2.92 in		
Dead End Seating Loss	0.125 in		
Live End Seating Loss	0.125 in		
Friction Losses	0.278 in		
Total Elongation	3.45 in		
Rounded	3	7/16 in	
Tolerance limits	-7.0%	3.21 in	3 3/16 in
	+7.0%	3.69 in	3 11/16 in

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

Plant: 100

6/4/2026 4:39:27 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: QL70-1 POND2

P2 BXLD4848FL-24SQ

BX FLAT LID 8inW w/CC 24"x24" HOLE F/F

P3) 24" x 24" - CASTING HEIGHT - 4"
P2) 48" x 48" - BX FLAT LID 8inW w/CC 24"x24" HOLE F/F - 8"
P1) 48" x 48" - BOX BASE 8inW, 8inF F/n - 36"
1) CASTING - HOE-326-BH F/G
1) 48" x 48" - Conseal CS-102 1.00"
1) 24" x 24" - Conseal CS-102 1.00"
1) Hole - 0

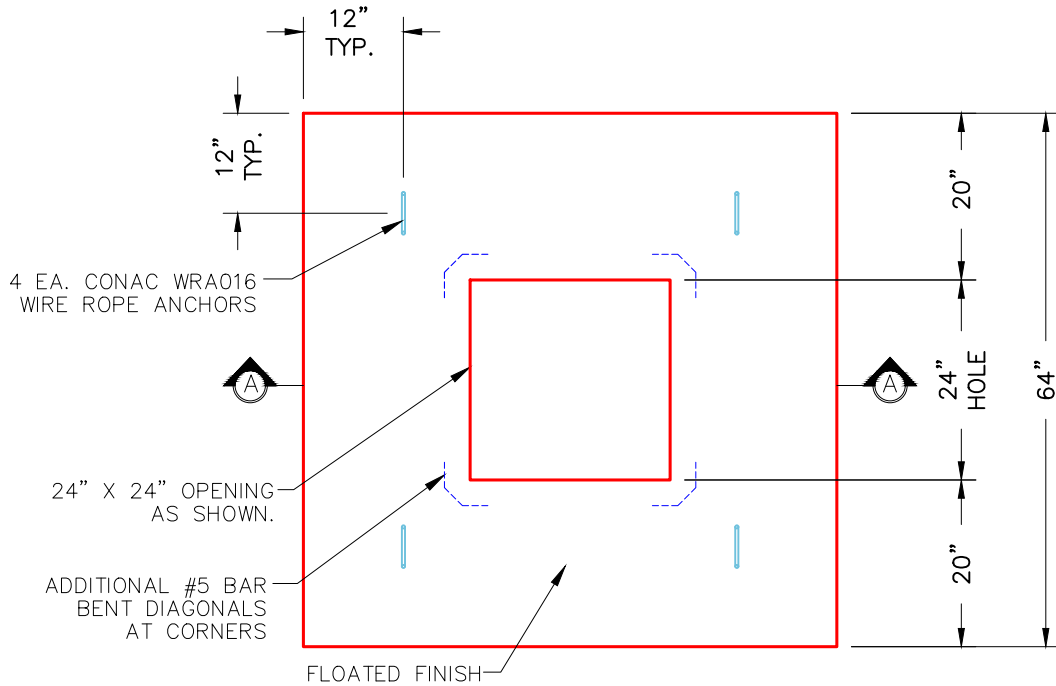
Structure Total:

0 lb
2363 lb
8163 lb
289 lb
0 lb
0 lb
0 lb
10815 lb

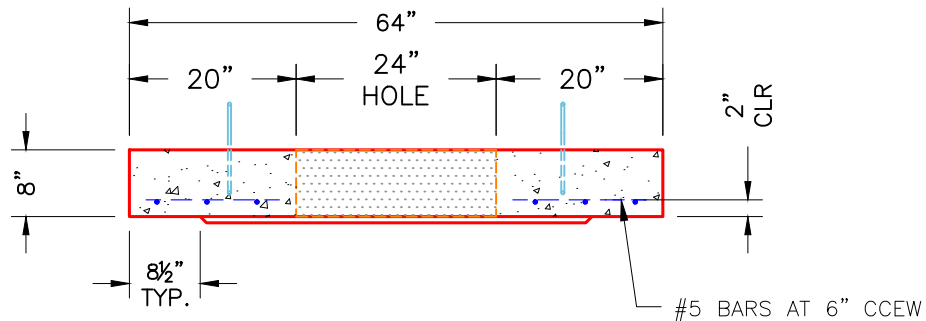
Structure Notes:

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-326-BH F/G OR EJ 6626).

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



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 2363 lb
Volume (Net): 0.6cu.yd



Weight (Net): 12287 lb
Volume (Net): 3.14cu.yd