

Job Name: 26-2692 868541 Georgetown Commons Phase 2
Job Location: Georgetown, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

6/15/2026 3:40:39 PM

Tech: S. Felletter

PC: C. Goff



Structure ID: 10-CS-12

P5 MH144LD18SP

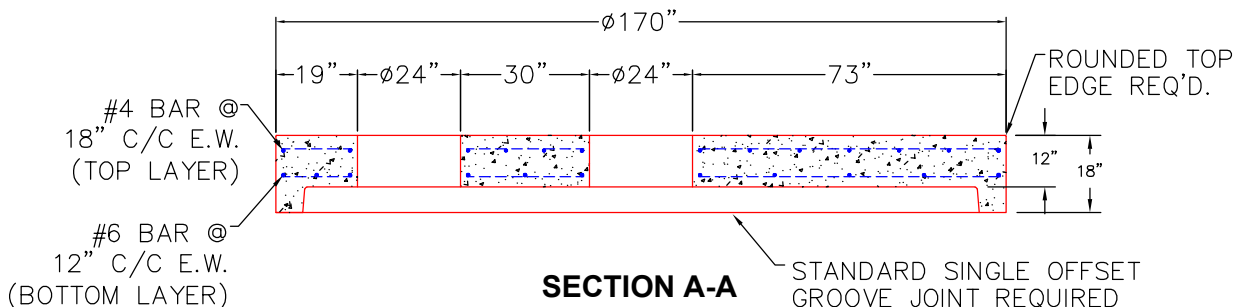
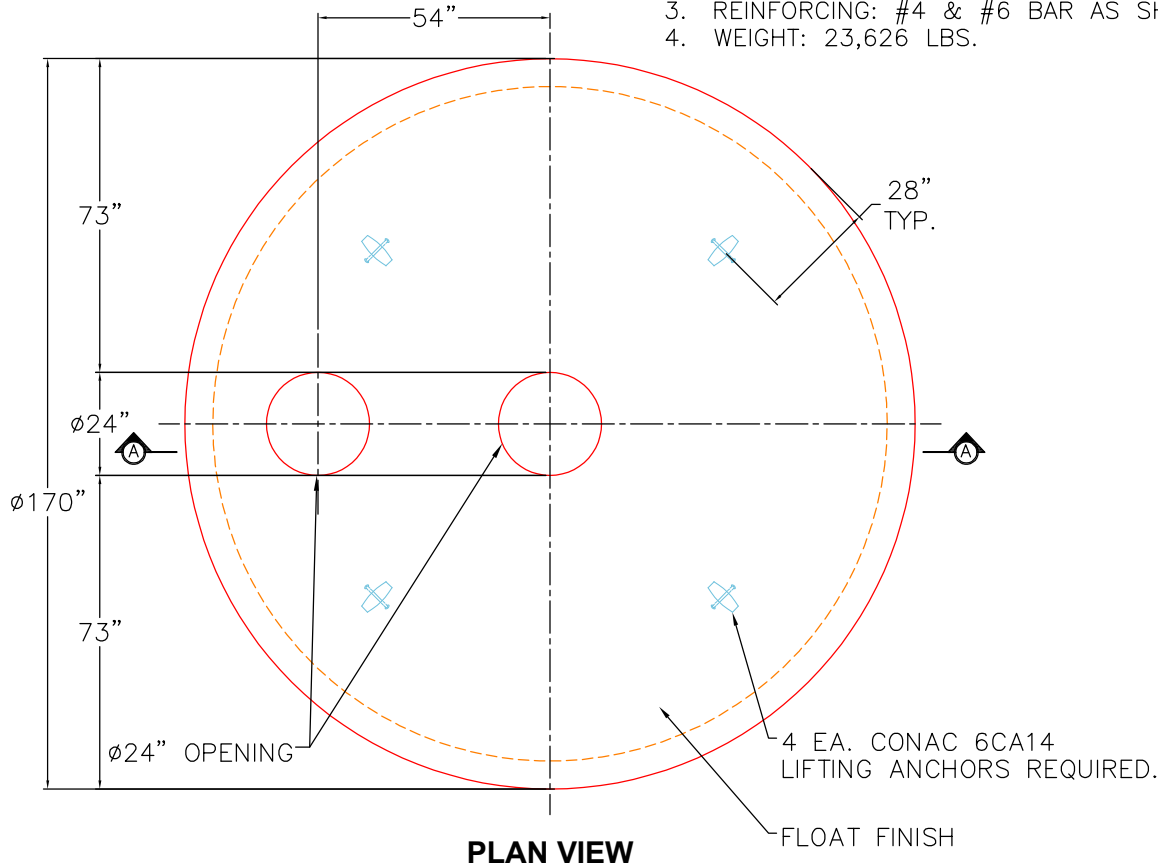
MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G

- P6) 24" - CASTING HEIGHT - 4"
P5) 144" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18"
P4) 144" - MH RISER T/G - 36"
P3) 144" - MH RISER Custom Ht T/G - 64"
P2) 144" - MH RISER T/G - 48"
P1) 144" - MH MONOBASE 14F, Custom Ht T/n - 24"
1) CVSTENCILING
1) ASSEMBLY REQUIRED - BRACKETS ONLY
4) 144" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 32

0 lb Structure Notes:
23623 lb 4" CASTING BY OTHERS
19370 lb
32619 lb
25826 lb LIFTING ANCHORS TO BE INSTALLED
39578 lb ON THE OUTSIDE OF THE STRUCTURE
0 lb
0 lb ICAST TO INSTALL BRACKETS ONLY
0 lb
0 lb
0 lb CONTECH'S LOGO AS WELL AS THE
0 lb INLET AND OUTLET MUST BE
Structure Total: 141015 lb STENCILED ONTO THE STRUCTURE

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 5,000 PSI AT 28 DAYS.
3. REINFORCING: #4 & #6 BAR AS SHOWN (GRADE 60).
4. WEIGHT: 23,626 LBS.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 13"

Height (Ext): 18"

Weight (Net): 23623 lb
Volume (Net): 6.03cu.yd

Job Name: 26-2736 ADS UA Local 52

Job Location: Louisville, KY

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

7/9/2026 9:09:21 AM

Tech: S. Felletter

PC: T. Ryan



Structure ID: S216

P3MH036RS72MH RISER T/G

P7) 24" - CASTING HEIGHT - 7"

P6) 24" - GRADE RING F/F - 4"

P5) 36" - MH FLAT TOP w/ 24" Ctr. Hole F/G - 10"

P4) 36" - MH RISER T/G - 12"

P3) 36" - MH RISER T/G - 72"

P2) 36" - MH RISER T/G - 72"

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

1) ASSEMBLY REQUIRED

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

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

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

4) 36" - Conseal CS-102 1.00" (Double)

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

2) Hole - 12

0 lb

270 lb

896 lb

506 lb

3037 lb

2960 lb

1525 lb

0 lb

0 lb

0 lb

271 lb

0 lb

0 lb

0 lb

Structure Total: 9465 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").

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: 549.59'

Rim to Invert: 11.71'

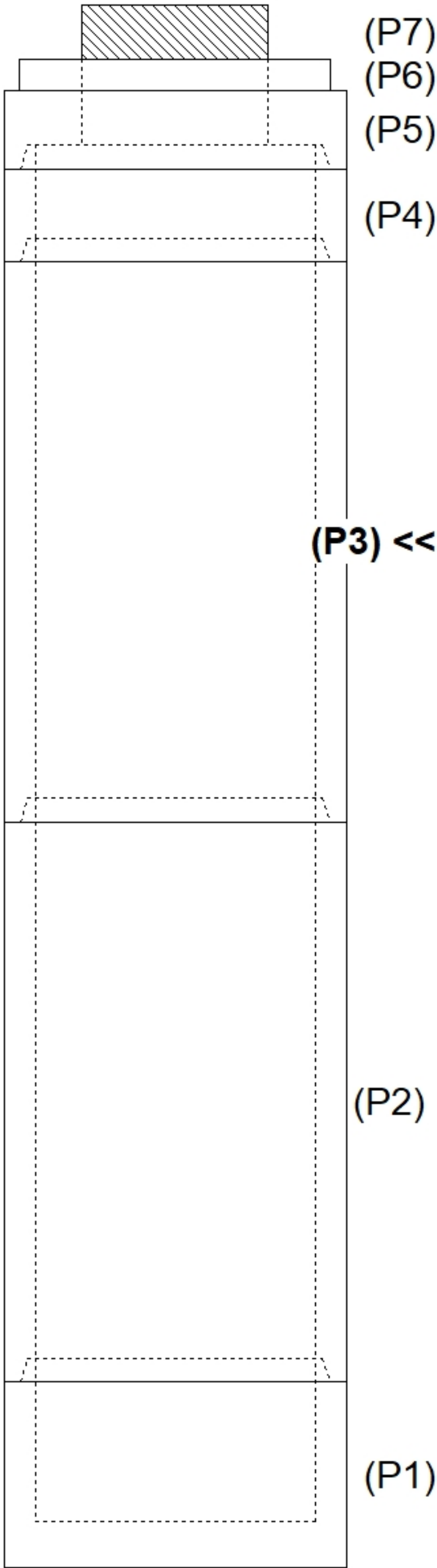
Slack: 0.48"

Sump: 54.96"

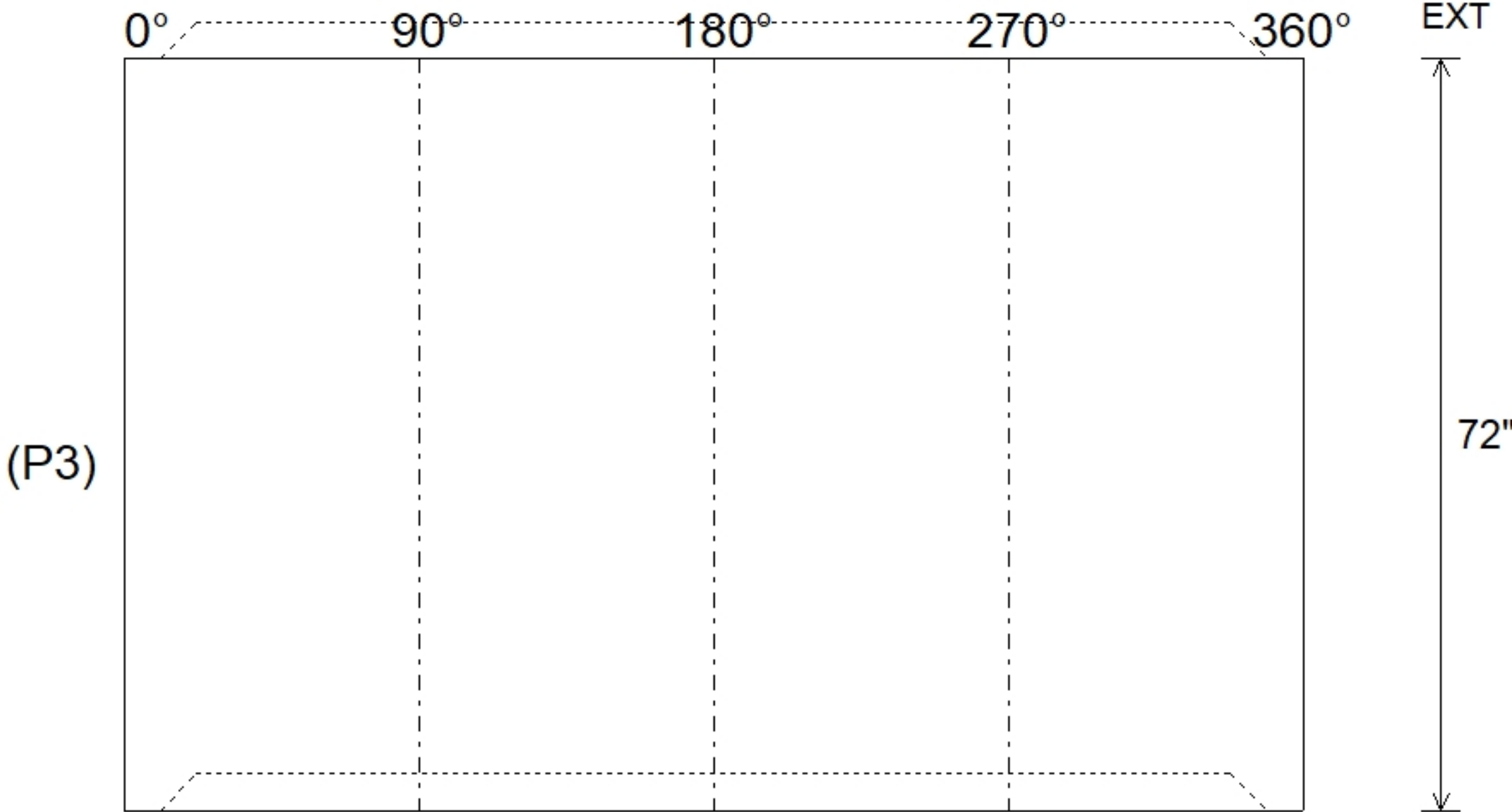
Step Position:

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 4"

Floor Height: 0"

Height (Int): 72"

Height (Ext): 72"

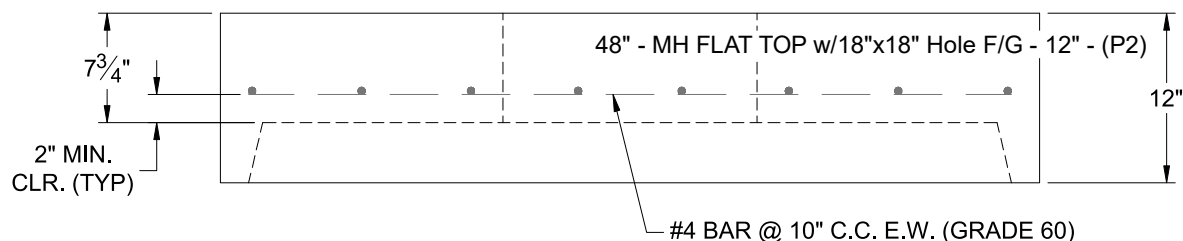
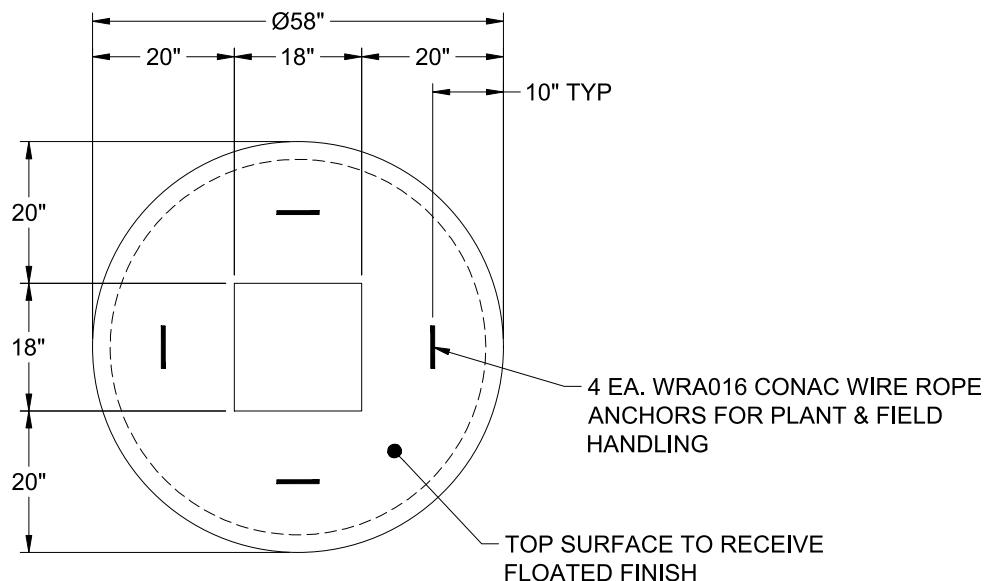
Weight (Net): 3037 lb

Volume (Net): 0.78cu.yd



Structure Notes:

1. PER LOUISVILLE MSD / ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 10" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS
5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Weight (Net): 2334 lb
Volume (Net): 0.6cu.yd

Job Name: 25-4299 - Seneca High School
Job Location: Louisville, KY
Contractor: Dan Cristiani Excavating Co. Inc.

Plant: 100

7/17/2026 12:08:25 PM

Tech: J. Coppage

PC: E. Bradley



Structure ID: A13 Top Slab Remake

P1 MH048LD12-2424 LOUMSD

MH FLAT TOP w/24"x24" Hole LOU-MSD

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

P1) 48" - MH FLAT TOP w/24"x24" Hole LOU-MSD - 12"

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

Structure Total:

0 lb
1500 lb
0 lb

1500 lb

Structure Notes:

1. PER LOUISVILLE MSD / ASTM C-478

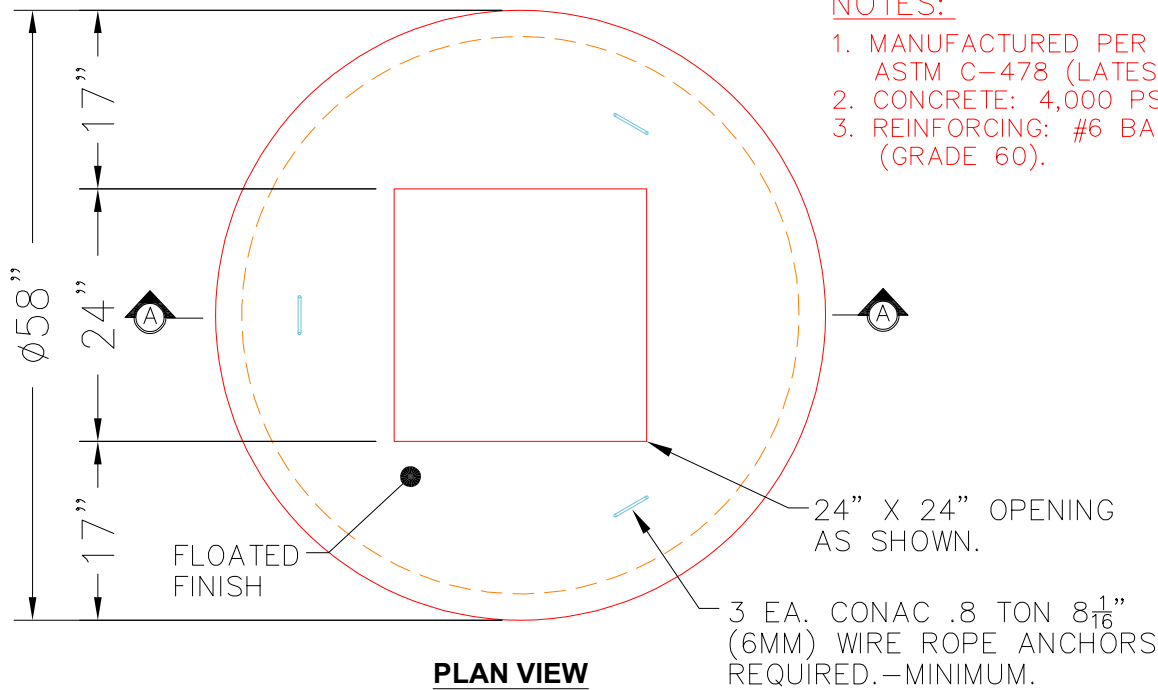
SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT:

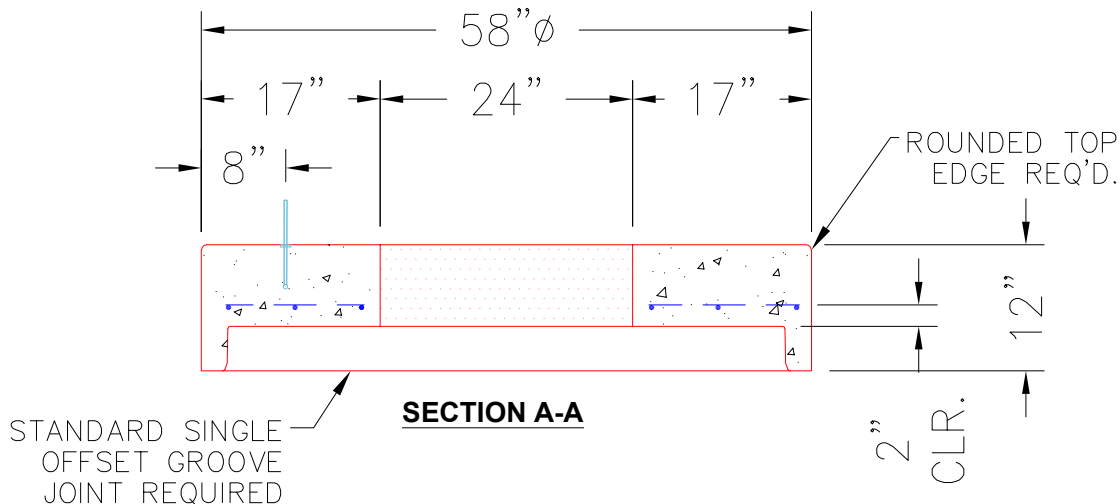
- FLAT LID #6 BAR @ 4" C.C. E.W. (GRADE 60)

4. (JR HOE HOE-280T PROVIDED BY OTHERS)



NOTES:

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



Coating (Int):
Coating (Ext):

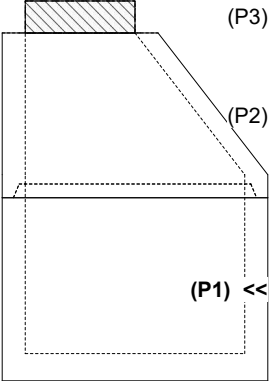
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1500 lb
Volume (Net): 0.37cu.yd

Job Name: 25-1431P5 - Georgetown Commons Job Location: Georgetown, KY Contractor: Winwater Hartford KY Co.					Plant: Beaver Dam 7/18/2026 8:59:22 AM		Tech: J. Horsley PC: A. Chambers				
Structure ID: SSMH-236 (Base Remake)											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE NO STEP F/G - 36" P1) 48" - MH BASE Custom Ht T/n - 34" 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375-SS F/C Self-Sealing Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 0285						0 lb 3000 lb 3642 lb 0 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 2 lb ----- Structure Total: 8355 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STEPS 5. INVERT CHANNEL REQUIRED 6. HOE MC-375 FRAME & SELF-SEALING COVER "SANITARY" SUPPLIED BY ICAST ** BASE REMAKE ONLY **			
Rim: 870.85'		Rim to Invert: 6.25'		Slack: 0"		Sump: 2"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	864.6'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2	864.7'	200°	101.25"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

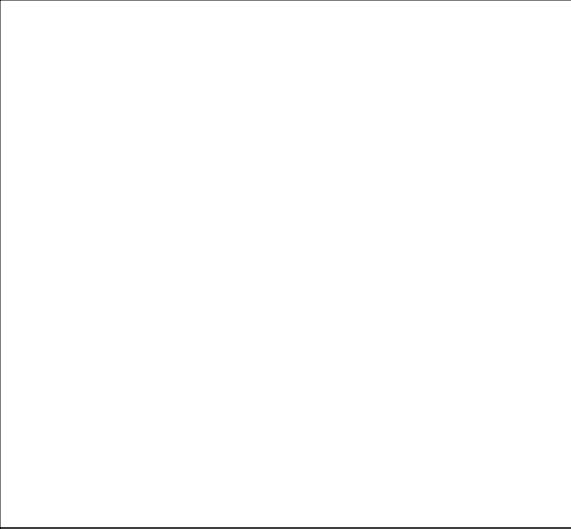


(P3)

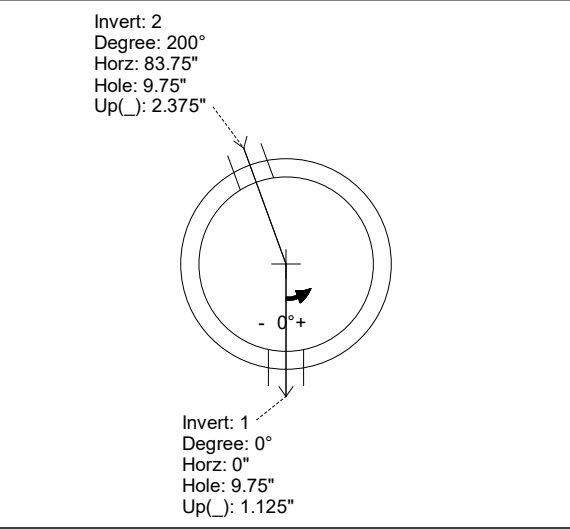
(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



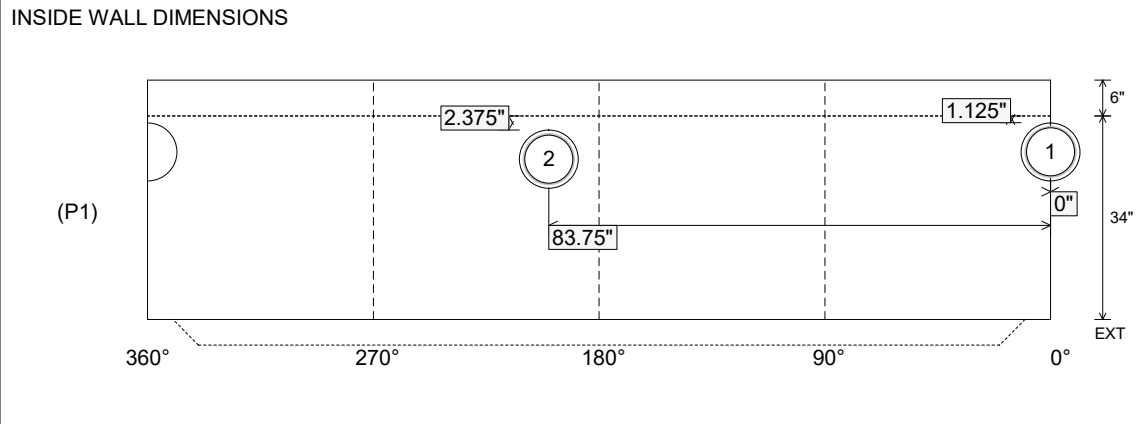
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2
Degree: 200°
Horz: 83.75"
Hole: 9.75"
Up(): 2.375"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 9.75"
Up(): 1.125"

INSIDE WALL DIMENSIONS



(P1)

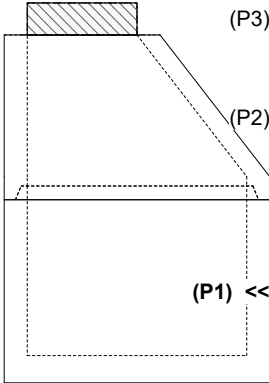
360° 270° 180° 90° 0°

6" 34" EXT

2.375" 1.125" 83.75" 0"

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 34" Height (Ext): 40"	Weight (Net): 3642 lb Volume (Net): 0.93cu.yd
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Job Name: 25-1431P5 - Georgetown Commons Job Location: Georgetown, KY Contractor: Winwater Hartford KY Co.					Plant: Beaver Dam 7/18/2026 8:59:22 AM		Tech: J. Horsley PC: A. Chambers				
Structure ID: SSMH-236 (Base Remake)											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE NO STEP F/G - 36" P1) 48" - MH BASE Custom Ht T/n - 34" 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375-SS F/C Self-Sealing Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 0285						0 lb 3000 lb 3642 lb 0 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 2 lb ----- Structure Total: 8355 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STEPS 5. INVERT CHANNEL REQUIRED 6. HOE MC-375 FRAME & SELF-SEALING COVER "SANITARY" SUPPLIED BY ICAST ** BASE REMAKE ONLY **			
Rim: 870.85'		Rim to Invert: 6.25'		Slack: 0"		Sump: 2"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	864.6'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2	864.7'	200°	101.25"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

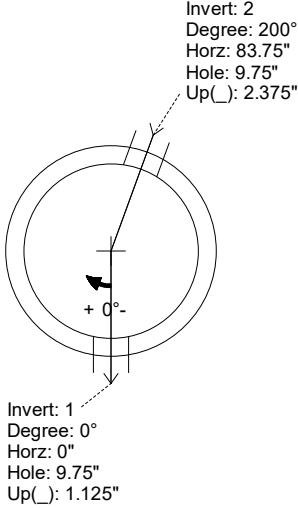


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



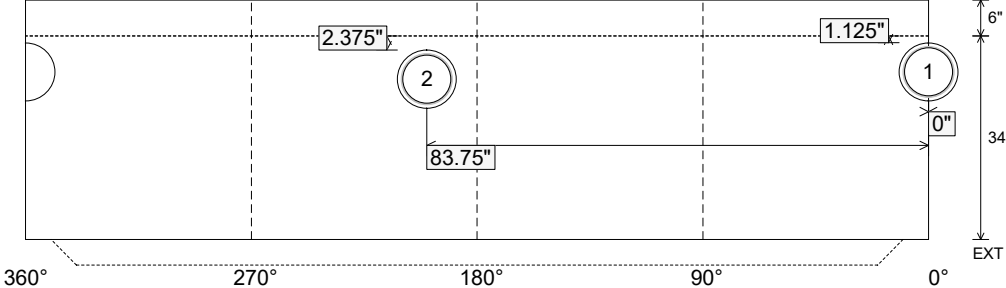
Invert: 2
Degree: 200°
Horz: 83.75"
Hole: 9.75"
Up(): 2.375"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 9.75"
Up(): 1.125"

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



(P1)

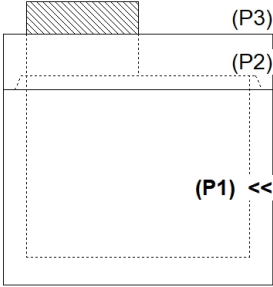
360° 270° 180° 90° 0°

2.375" 83.75" 1.125" 0"

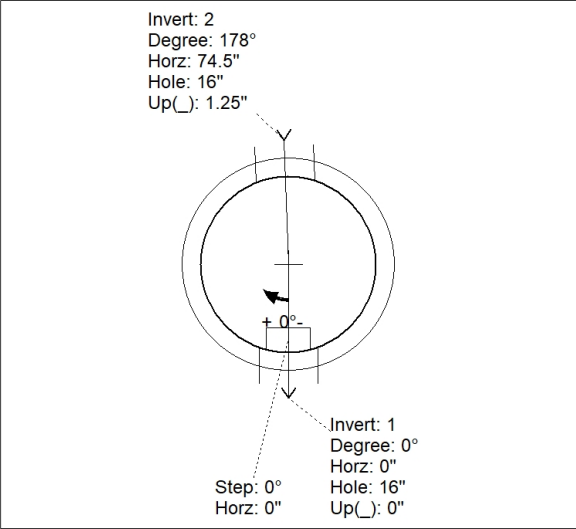
6" 34" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 34" Height (Ext): 40"	Weight (Net): 3642 lb Volume (Net): 0.93cu.yd
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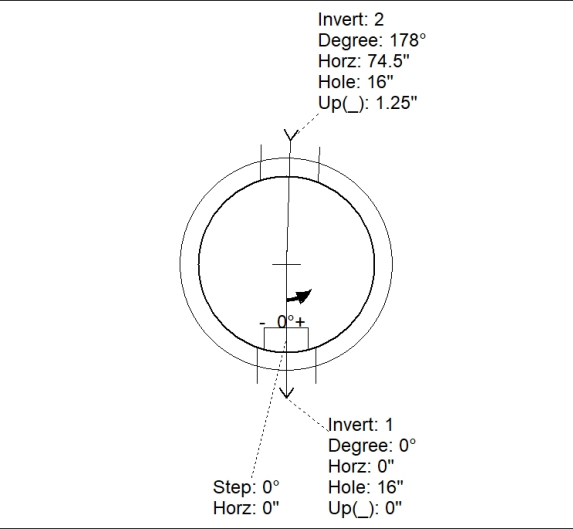
Job Name: 26-2260 - Bowling Green JR High School Job Location: Bowling Green, KY Contractor: Scott & Ritter, Inc.					Plant: 100 7/15/2026 1:37:25 PM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: 4 SS-MH											
P1 MH048BA36		MH BASE T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH BASE T/n - 36" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16Y DD (DBL Bands) 2) MH Step ML-10-TDS-NCR - 10"					0 lb 1561 lb 3674 lb 1440 lb 0 lb 0 lb 0 lb 15 lb 0 lb ----- Structure Total: 6690 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-375 F/C). 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: 519' Rim to Invert: 4.54' Slack: 2.48' Sump: 3" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	514.46'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	0"	0"	
Invert 2	514.56'	178°	90.125"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



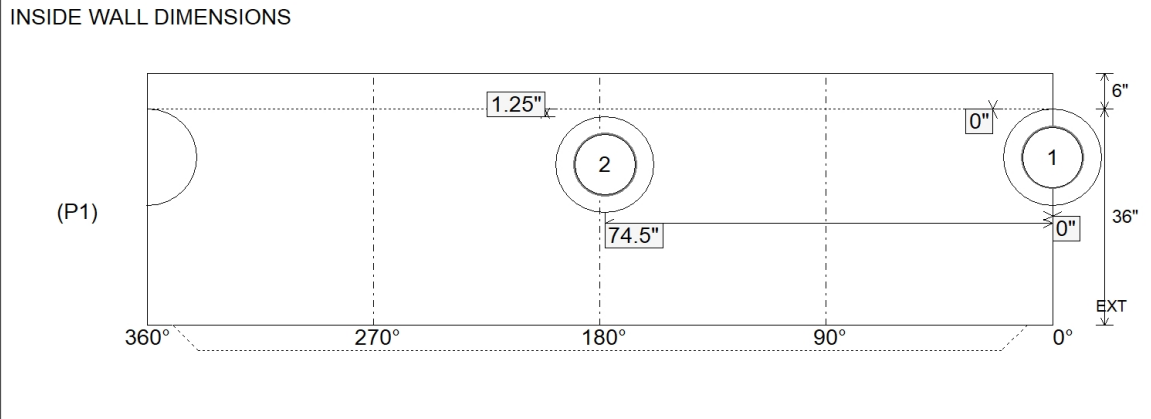
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

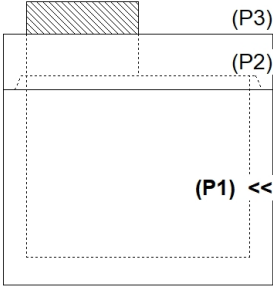


INSIDE WALL DIMENSIONS



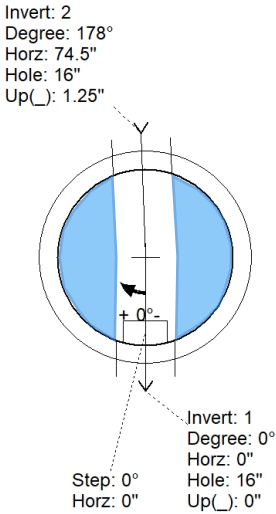
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3674 lb Volume (Net): 0.94cu.yd
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Job Name: 26-2260 - Bowling Green JR High School Job Location: Bowling Green, KY Contractor: Scott & Ritter, Inc.					Plant: 100 7/15/2026 1:37:25 PM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: 4 SS-MH											
P1A		MH048BA36		MH BASE T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH BASE T/n - 36" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16Y DD (DBL Bands) 2) MH Step ML-10-TDS-NCR - 10" Structure Total: 6690 lb					0 lb 1561 lb 3674 lb 1440 lb 0 lb 0 lb 0 lb 15 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-375 F/C). 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: 519'		Rim to Invert: 4.54'		Slack: 2.48"		Sump: 3"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	514.46'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	0"	0"	
Invert 2	514.56'	178°	90.125"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

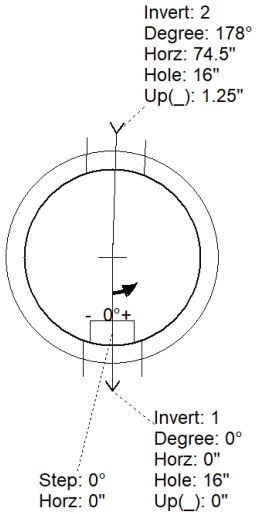


Invert: 2
Degree: 178°
Horz: 74.5"
Hole: 16"
Up(): 1.25"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): 0"

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)



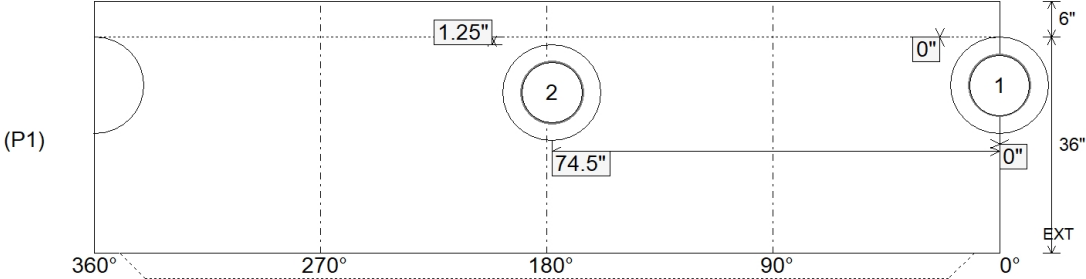
Invert: 2
Degree: 178°
Horz: 74.5"
Hole: 16"
Up(): 1.25"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): 0"

Step: 0°
Horz: 0"

FOR INVERT ONLY

INSIDE WALL DIMENSIONS



(P1)

1.25"

74.5"

36"

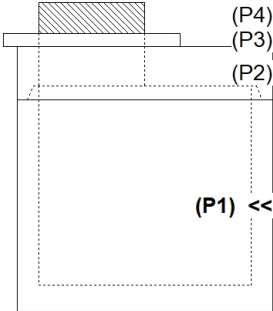
6"

EXT

360° 270° 180° 90° 0°

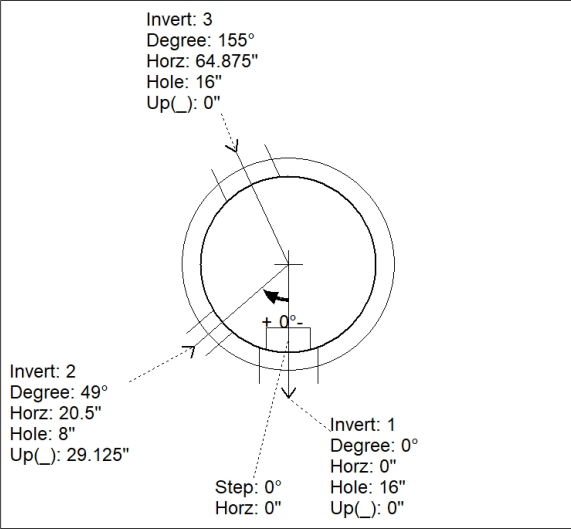
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3674 lb Volume (Net): 0.94cu.yd
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Job Name: 26-2260 - Bowling Green JR High School Job Location: Bowling Green, KY Contractor: Scott & Ritter, Inc.				Plant: 100 7/15/2026 1:37:24 PM		Tech: J. Horsley PC: M. Sullivan						
Structure ID: 3 SS-MH												
P1 MH048BA42				MH BASE T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 3" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH BASE T/n - 42" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16Y DD (DBL Bands) 1) PSX - 8QRS DD (DBL Bands) 2) MH Step ML-10-TDS-NCR - 10"						0 lb 202 lb 1561 lb 4072 lb 1440 lb 0 lb 0 lb 0 lb 15 lb 6 lb 0 lb ----- Structure Total: 7297 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-375 F/C). 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: 520.46'				Rim to Invert: 5.14'		Slack: 0.68"		Sump: 3"		Step Position: 0°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	515.32'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	0"	0"		
Invert 2	517.66'	49°	24.75"	4" PVC SDR35	4.25"	PSX 8QRS DD (DBL Bands)	8"	8.038"	29.125"	0"		
Invert 3	515.32'	155°	78.5"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	0"	0"		
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												



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

RIGHT-SIDE UP VIEW (int. dimensions)



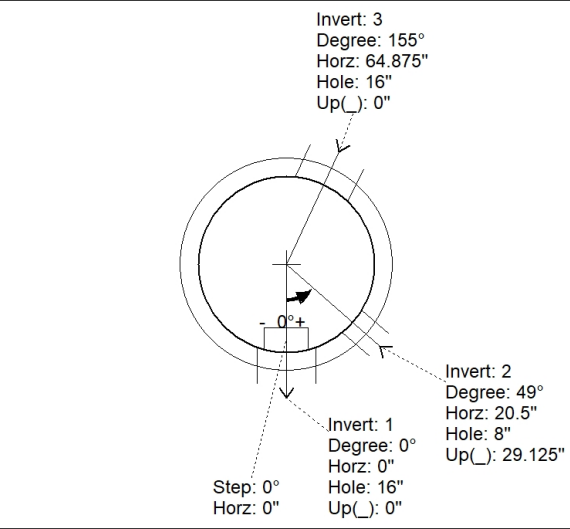
Invert: 3
Degree: 155°
Horz: 64.875"
Hole: 16"
Up(_): 0"

Invert: 2
Degree: 49°
Horz: 20.5"
Hole: 8"
Up(_): 29.125"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(_): 0"

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)



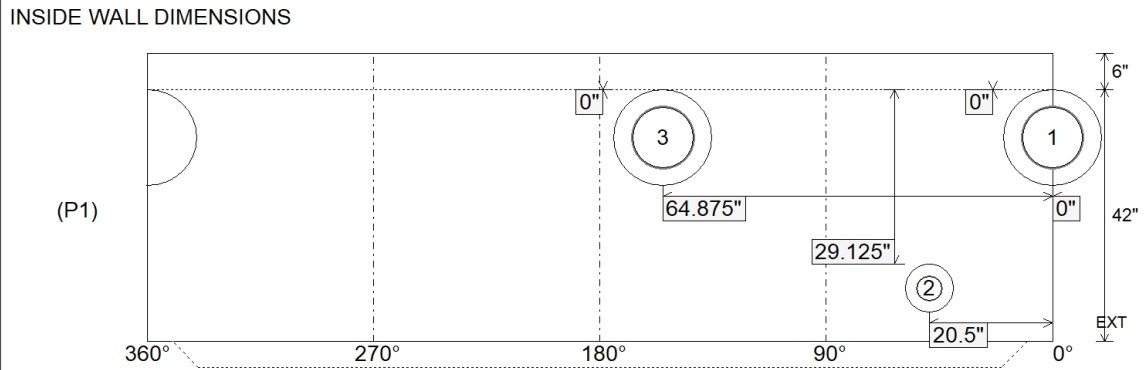
Invert: 3
Degree: 155°
Horz: 64.875"
Hole: 16"
Up(_): 0"

Invert: 2
Degree: 49°
Horz: 20.5"
Hole: 8"
Up(_): 29.125"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(_): 0"

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS

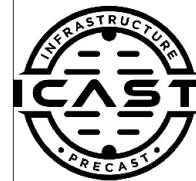


(P1)

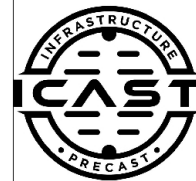
64.875"
29.125"
20.5"
42"
6"
EXT

360° 270° 180° 90° 0°

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 4072 lb Volume (Net): 1.04cu.yd
----------------------------------	---------------------------------	--	--	--



Weight (Net): 4072 lb
Volume (Net): 1.04cu.yd



Weight (Net): 4029 lb
Volume (Net): 1.03cu.yd

Job Name: 26-2260 - Bowling Green JR High School
Job Location: Bowling Green, KY
Contractor: Scott & Ritter, Inc.

Plant: 100

7/15/2026 1:37:24 PM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 2 SS-MH

P1A MH048BA42

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
P3) 24" - GRADE RING F/F - 3"
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
P1) 48" - MH BASE T/n - 42"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - Conseal CS-102 1.00" (Double)
2) PSX - 16Y DD (DBL Bands)
3) PSX - 8QRS DD (DBL Bands)
2) MH Step ML-10-TDS-NCR - 10"

0 lb
202 lb
1561 lb
4029 lb
1440 lb
0 lb
0 lb
0 lb
15 lb
20 lb
0 lb

Structure Total: 7267 lb

Structure Notes:

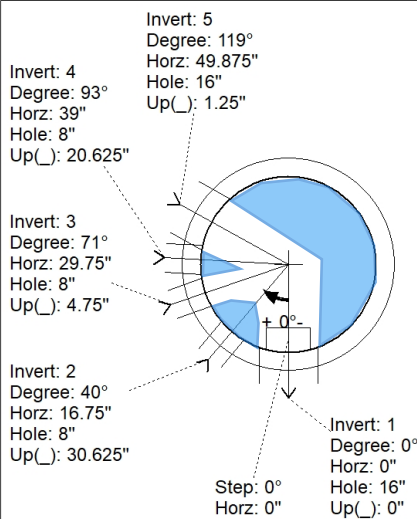
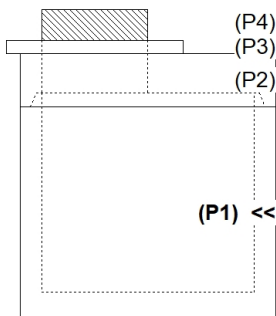
1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY OTHERS (HOE MC-375 F/C).
- REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 521' Rim to Invert: 5.09' Slack: 0.08" Sump: 3" Step Position: 0°

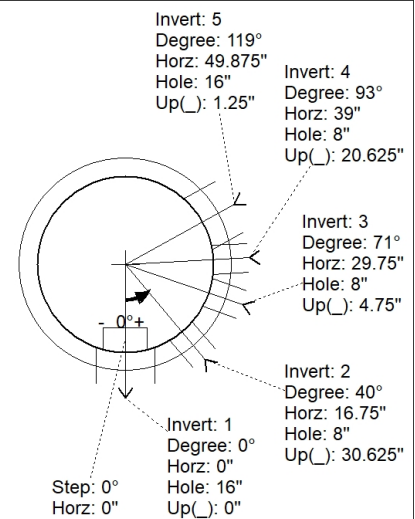
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	515.91'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	0"	0"
Invert 2	518.38'	40°	20.25"	4" PVC SDR35	4.25"	PSX 8QRS DD (DBL Bands)	8"	8.038"	30.625"	0"
Invert 3	516.22'	71°	35.875"	4" PVC SDR35	4.25"	PSX 8QRS DD (DBL Bands)	8"	8.038"	4.75"	0"
Invert 4	517.55'	93°	47.125"	4" PVC SDR35	4.25"	PSX 8QRS DD (DBL Bands)	8"	8.038"	20.625"	0"
Invert 5	516.01'	119°	60.25"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	1.25"	0"
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

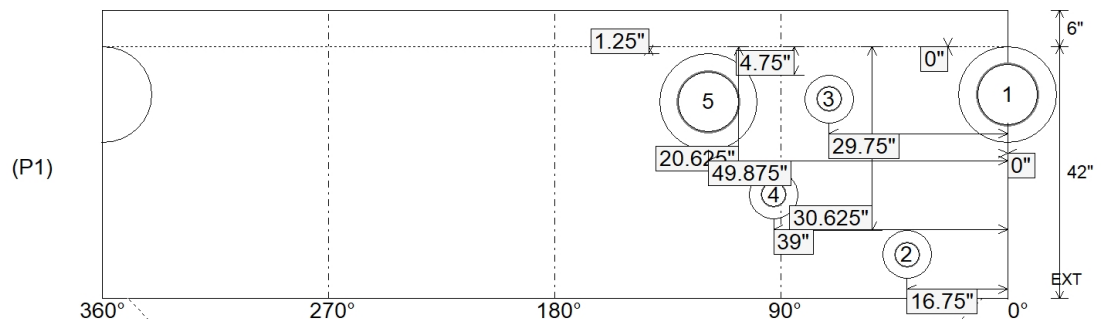
UPSIDE-DOWN VIEW (int. dimensions)



FOR INVERT ONLY



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 42"
Height (Ext): 48"

Weight (Net): 4029 lb
Volume (Net): 1.03cu.yd

Job Name: 26-2260 - Bowling Green JR High School
Job Location: Bowling Green, KY
Contractor: Scott & Ritter, Inc.

Plant: 100

7/15/2026 1:37:24 PM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 1 SS-MH

P1 MH048BA30

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
P3) 24" - GRADE RING F/F - 4"
P2) 48" - ECC CONE w/ 24" HOLE NO STEP F/G - 36"
P1) 48" - MH BASE T/n - 30"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - Conseal CS-102 1.00" (Double)
2) PSX - 16Y DD (DBL Bands)
2) PSX - 8QRS DD (DBL Bands)
4) MH Step ML-10-TDS-NCR - 10"

0 lb
270 lb
3000 lb
3212 lb
1440 lb
0 lb
0 lb
0 lb
15 lb
13 lb
0 lb

Structure Total: 7950 lb

Structure Notes:

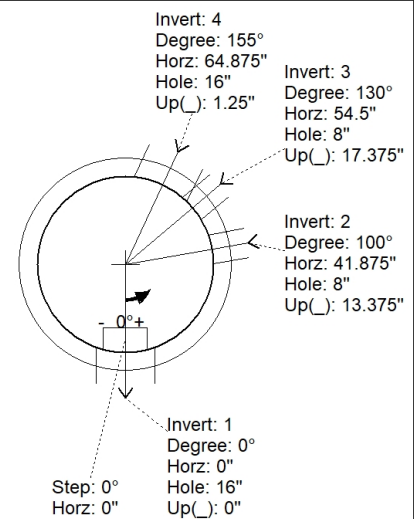
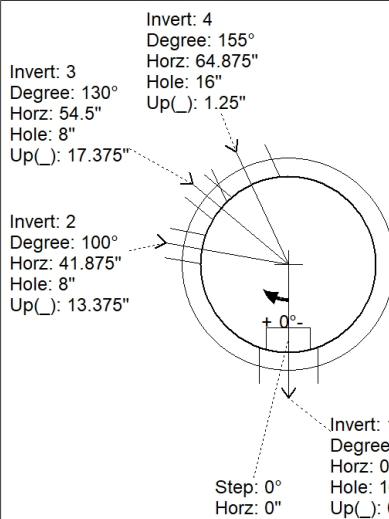
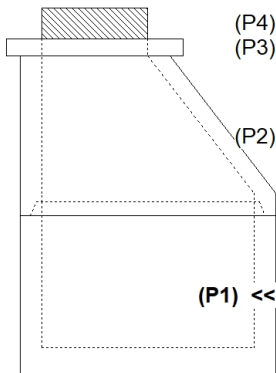
1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY OTHERS (HOE MC-375 F/C).
- REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 522.87' Rim to Invert: 6.29' Slack: 1.48" Sump: 3" Step Position: 0°

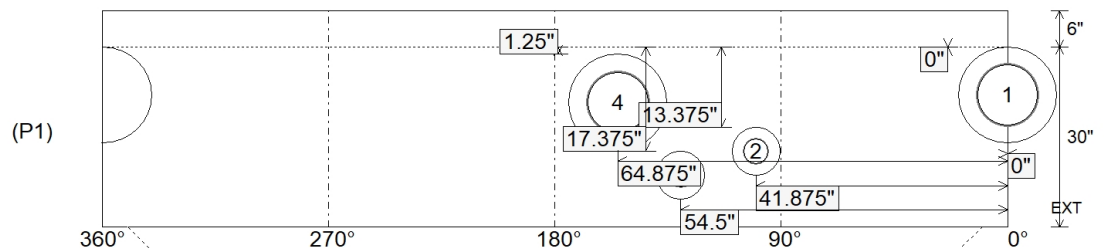
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	516.58'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	0"	0"
Invert 2	517.61'	100°	50.625"	4" PVC SDR35	4.25"	PSX 8QRS DD (DBL Bands)	8"	8.038"	13.375"	0"
Invert 3	517.94'	130°	65.75"	4" PVC SDR35	4.25"	PSX 8QRS DD (DBL Bands)	8"	8.038"	17.375"	0"
Invert 4	516.68'	155°	78.5"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	1.25"	0"
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): 3212 lb
Volume (Net): 0.82cu.yd

Job Name: 26-2260 - Bowling Green JR High School
Job Location: Bowling Green, KY
Contractor: Scott & Ritter, Inc.

Plant: 100

7/15/2026 1:37:24 PM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 1 SS-MH

P1A MH048BA30

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
P3) 24" - GRADE RING F/F - 4"
P2) 48" - ECC CONE w/ 24" HOLE NO STEP F/G - 36"
P1) 48" - MH BASE T/n - 30"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - Conseal CS-102 1.00" (Double)
2) PSX - 16Y DD (DBL Bands)
2) PSX - 8QRS DD (DBL Bands)
4) MH Step ML-10-TDS-NCR - 10"

0 lb
270 lb
3000 lb
3212 lb
1440 lb
0 lb
0 lb
0 lb
15 lb
13 lb
0 lb

Structure Total: 7950 lb

Structure Notes:

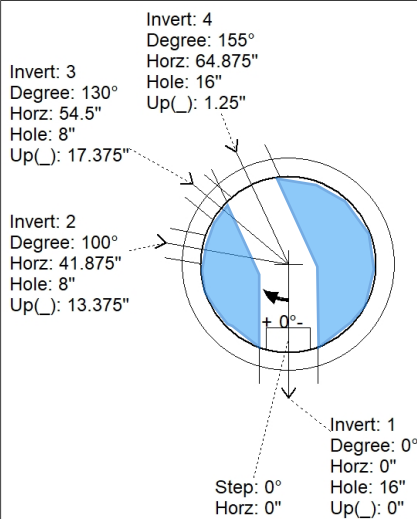
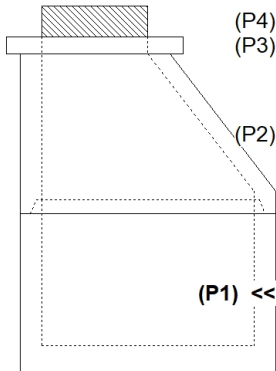
1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY OTHERS (HOE MC-375 F/C).
- REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 522.87' Rim to Invert: 6.29' Slack: 1.48" Sump: 3" Step Position: 0°

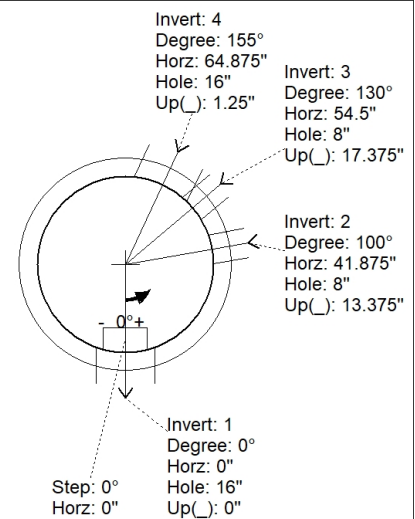
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	516.58'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	0"	0"
Invert 2	517.61'	100°	50.625"	4" PVC SDR35	4.25"	PSX 8QRS DD (DBL Bands)	8"	8.038"	13.375"	0"
Invert 3	517.94'	130°	65.75"	4" PVC SDR35	4.25"	PSX 8QRS DD (DBL Bands)	8"	8.038"	17.375"	0"
Invert 4	516.68'	155°	78.5"	10" PVC SDR35	10.5"	PSX 16Y DD (DBL Bands)	16"	16.312"	1.25"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

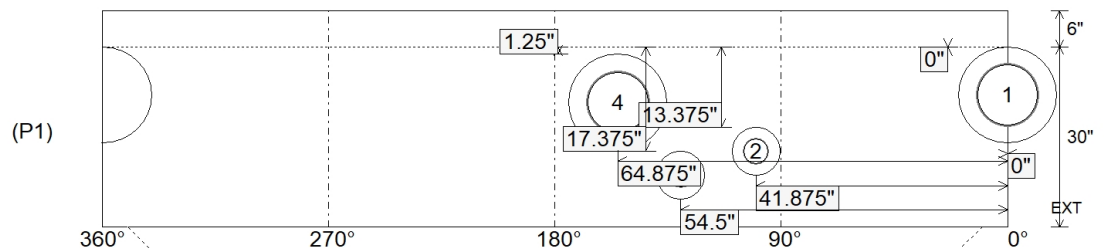
UPSIDE-DOWN VIEW (int. dimensions)



FOR INVERT ONLY



INSIDE WALL DIMENSIONS



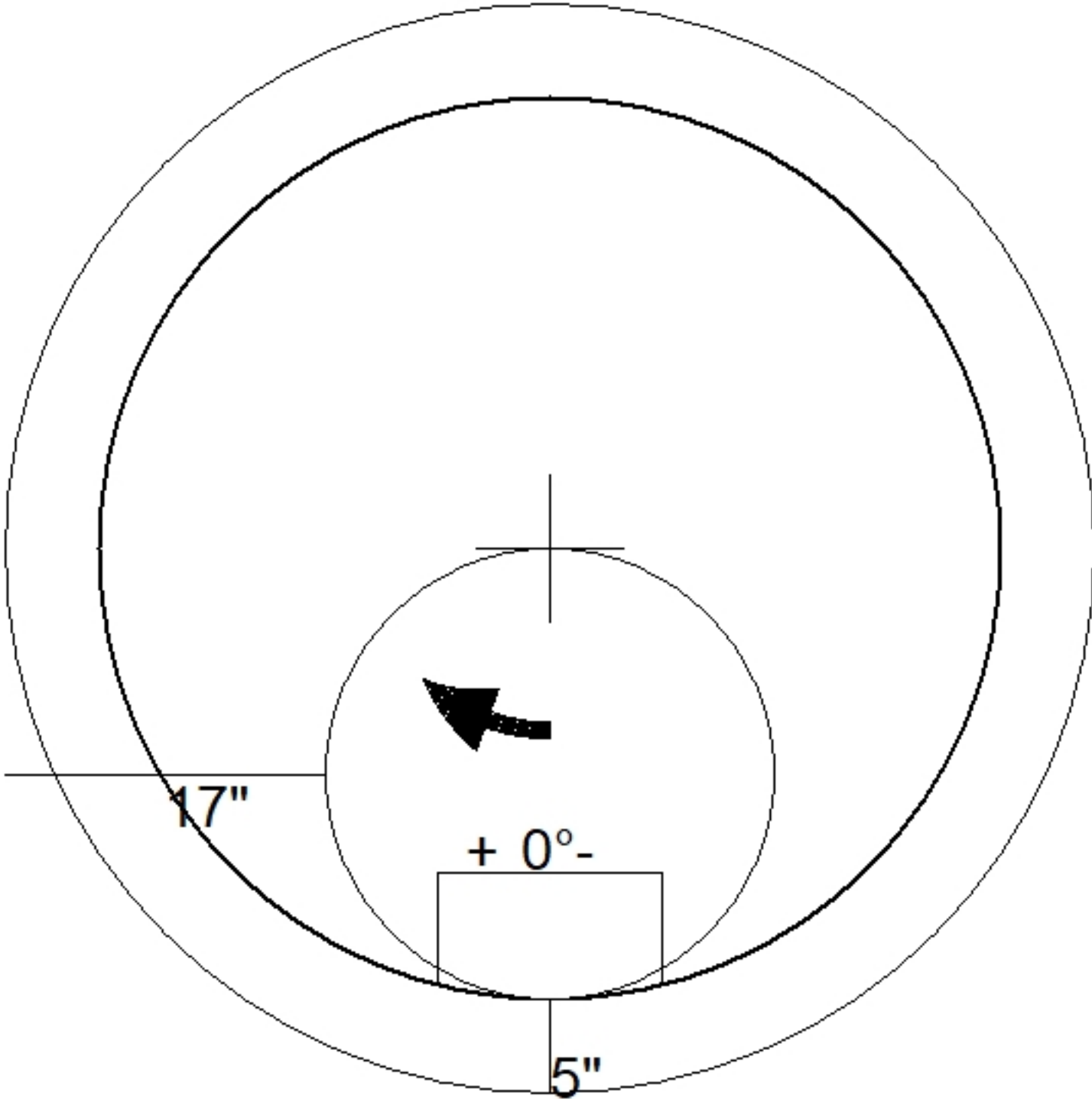
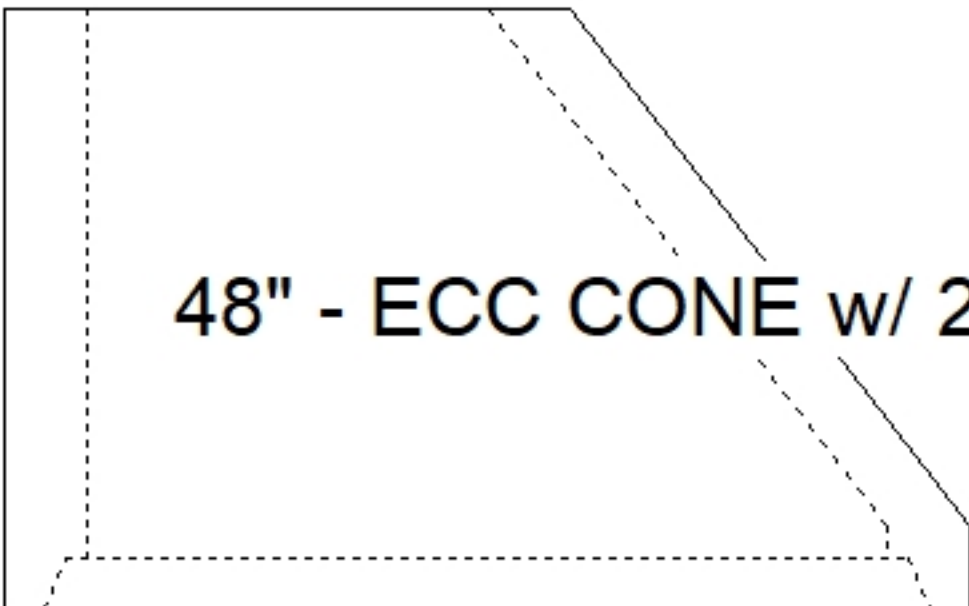
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

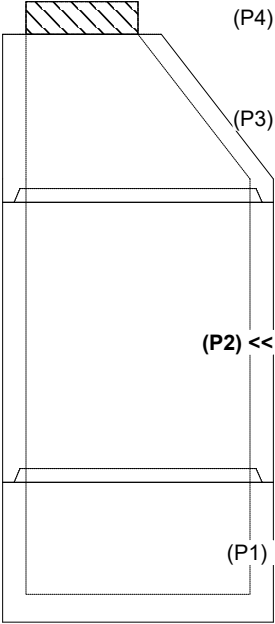
Wall Thickness: 5"
Floor Height: 6"

Height (Int): 30"
Height (Ext): 36"

Weight (Net): 3212 lb
Volume (Net): 0.82cu.yd

Job Name: 26-2260 - Bowling Green JR High School		Plant: 100	Tech: J. Horsley	
Job Location: Bowling Green, KY		7/15/2026 1:38:05 PM	PC: M. Sullivan	
Contractor: Scott & Ritter, Inc.				
Structure ID: 1 SS-MH				
P2 MH048CN36-S		ECC CONE w/ 24" HOLE NO STEP F/G		
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 4" P2) 48" - ECC CONE w/ 24" HOLE NO STEP F/G - 36" P1) 48" - MH BASE T/n - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16Y DD (DBL Bands) 2) PSX - 8QRS DD (DBL Bands) 4) MH Step ML-10-TDS-NCR - 10"		0 lb 270 lb 3000 lb 3212 lb 1440 lb 0 lb 0 lb 0 lb 15 lb 13 lb 0 lb ----- 7950 lb	Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY OTHERS (HOE MC-375 F/C). . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
 48" - ECC CONE w/ 24" HOLE NO STEP F/G - 36" - (P2)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 36"	Weight (Net): 3000 lb Volume (Net): 0.5cu.yd

Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100 7/10/2026 8:14:21 AM		Tech: Jared - A PC: Erica Bradley				
Structure ID: A5.5											
P2 MH048RS60X			MH RISER w/XYPEX								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC XYPEX CONE w/ 24" HOLE - 36" P2) 48" - MH RISER w/XYPEX - 60" P1) 48" - MH BASE w/XYPEX - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - JBS 1150 F/C SANITARY 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 10) MH Step ML-10-TDS-NCR - 10"						0 lb 2251 lb 4192 lb 2911 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: . 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Structure Total: 11060 lb											
Rim: 725.13' Rim to Invert: 10.47' Slack: 0.64" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



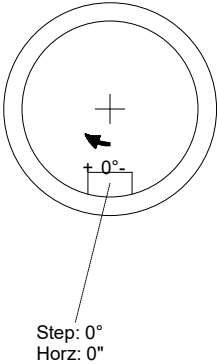
(P4)

(P3)

(P2) <<

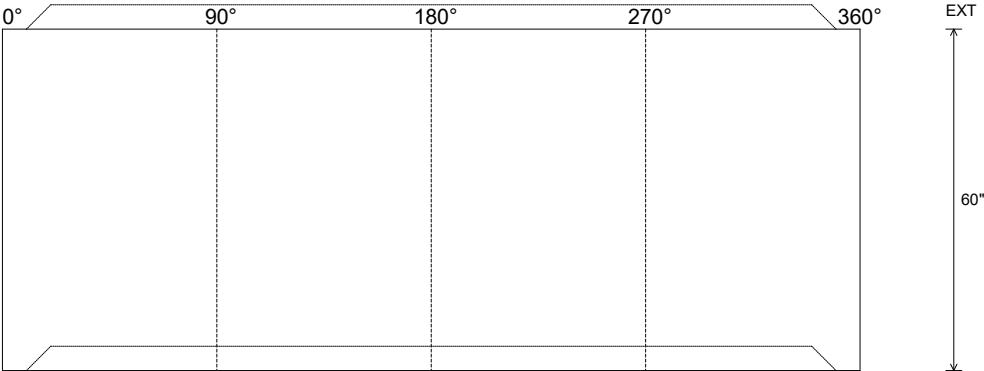
(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



Step: 0°
Horz: 0°

INSIDE WALL DIMENSIONS



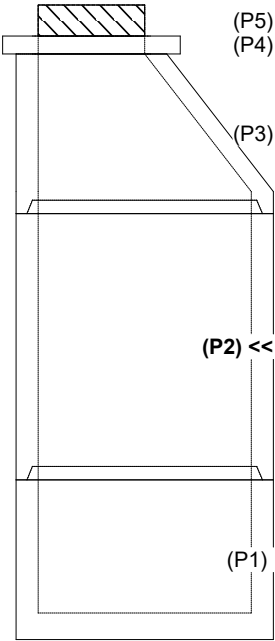
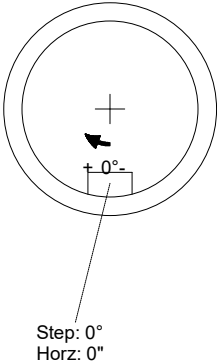
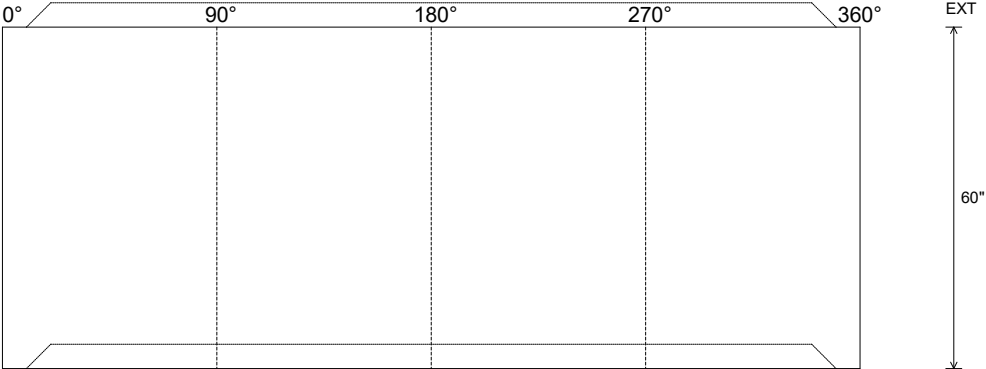
0° 90° 180° 270° 360°

EXT

60"

(P2)

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 60" Height (Ext): 60"	Weight (Net): 4192 lb Volume (Net): 1.07cu.yd
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Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100 7/10/2026 8:14:20 AM		Tech: Jared - A PC: Erica Bradley				
Structure ID: A5.3											
P2		MH048RS60X									
P5) 24" - CASTING HEIGHT - 7" P4) 24" - XYPEX GRADE RING - 4" P3) 48" - ECC XYPEX CONE w/ 24" HOLE - 36" P2) 48" - MH RISER w/XYPEX - 60" P1) 48" - MH BASE w/XYPEX - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - JBS 1150 F/C SANITARY 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 12-06 NYLO 10) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 2251 lb 4192 lb 3330 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 8 lb 8 lb 0 lb		<u>Structure Notes:</u> 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Structure Total:						11749 lb					
Rim: 720.37'		Rim to Invert: 11.25'		Slack: 0"		Sump: 2"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 60" Height (Ext): 60"		Weight (Net): 4192 lb Volume (Net): 1.07cu.yd	

Job Name: 26-2791 788327 2221 Bradford Dr
Job Location: Louisville, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

7/14/2026 1:14:14 PM

Tech: S. Felletter

PC: C. Goff



Structure ID: 10-CS-4

P3 MH048LD12-30

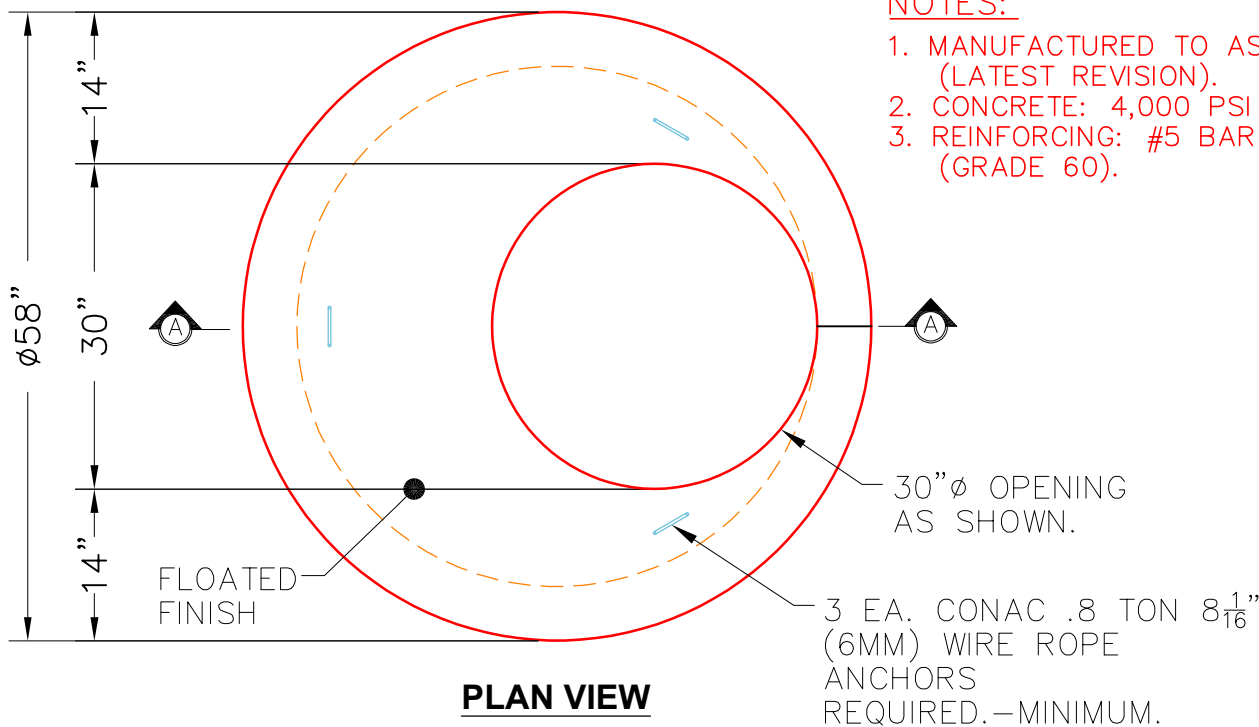
MH FLAT LID w/30in ECC Hole F/G

- P4) 30" - CASTING HEIGHT - 4"
P3) 48" - MH FLAT LID w/30in ECC Hole F/G - 12"
P2) 48" - MH RISER T/G - 72"
P1) 48" - MH BASE T/n - 18"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
2) 48" - Conseal CS-102 1.00"
2) Hole - 16

Structure Total:

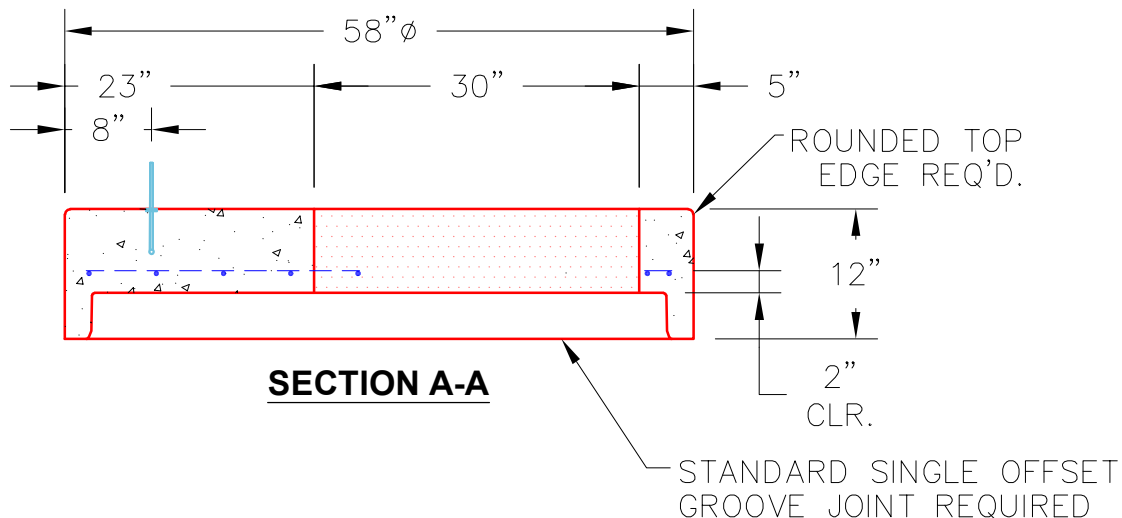
0 lb
1413 lb
4856 lb
2588 lb
0 lb
0 lb
0 lb
0 lb
8857 lb

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



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): 1413 lb
Volume (Net): 0.36cu.yd

Job Name: 26-2920 853382 Urgent Care
Job Location: Radcliff, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

7/14/2026 11:06:04 AM

Tech: S. Felletter

PC: C. Goff



Structure ID: 10-CS-4

P4 MH048LD12-30

MH FLAT LID w/30in ECC Hole F/G

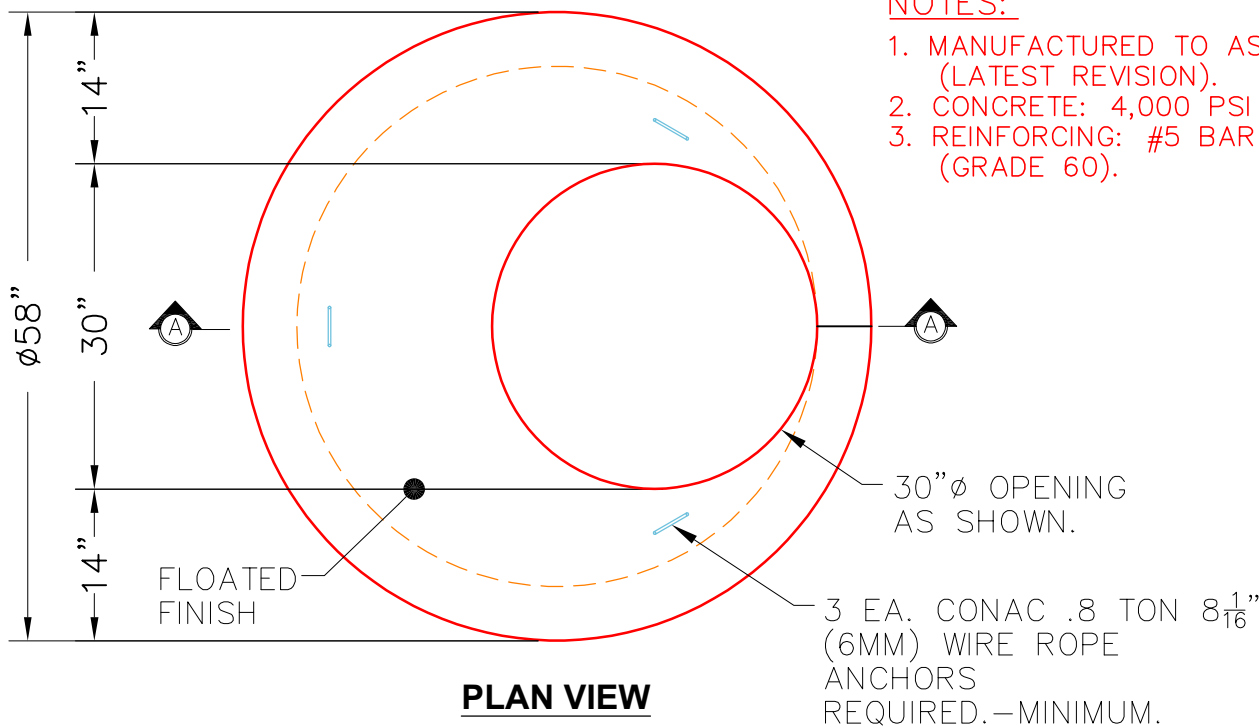
P5) 30" - CASTING HEIGHT - 4"
P4) 48" - MH FLAT LID w/30in ECC Hole F/G - 12"
P3) 48" - MH RISER T/G - 24"
P2) 48" - MH RISER T/G - 72"
P1) 48" - MH BASE T/n - 18"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
3) 48" - Conseal CS-102 1.00"
2) Hole - 16

Structure Total:

0 lb
1413 lb
1677 lb
4845 lb
2588 lb
0 lb
0 lb
0 lb
0 lb

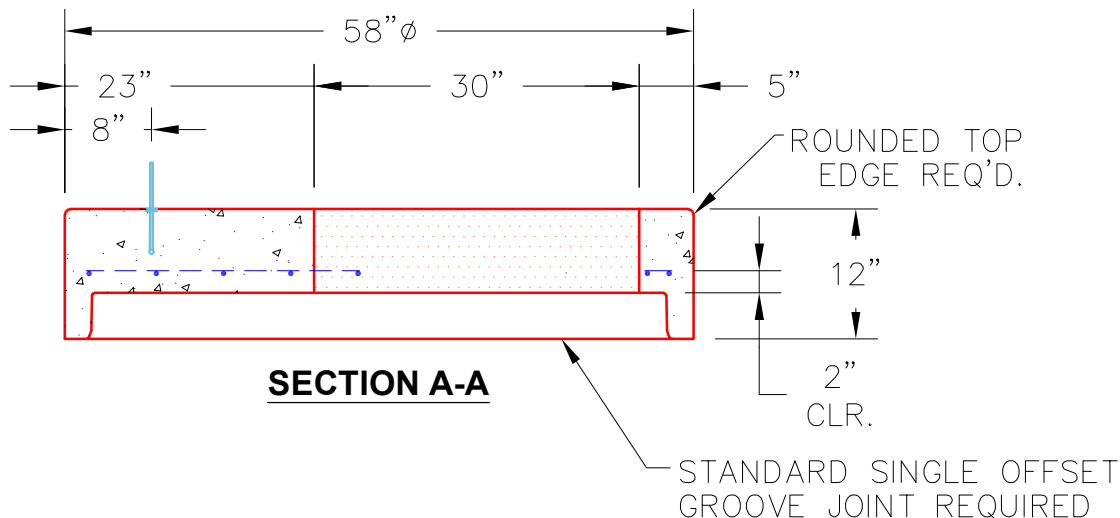
10522 lb

Structure Notes:
4" CASTING BY OTHERS
LIFTNG 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



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): 1413 lb
Volume (Net): 0.36cu.yd

Job Name: 26-2920 853382 Urgent Care
Job Location: Radcliff, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

7/14/2026 11:06:20 AM

Tech: S. Felletter

PC: C. Goff



Structure ID: 10-CS-4

P2 MH048RS72

MH RISER T/G

P5) 30" - CASTING HEIGHT - 4"
P4) 48" - MH FLAT LID w/30in ECC Hole F/G - 12"
P3) 48" - MH RISER T/G - 24"
P2) 48" - MH RISER T/G - 72"
P1) 48" - MH BASE T/n - 18"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
3) 48" - Conseal CS-102 1.00"
2) Hole - 16

0 lb
1413 lb
1677 lb
4845 lb
2588 lb
0 lb
0 lb
0 lb
0 lb

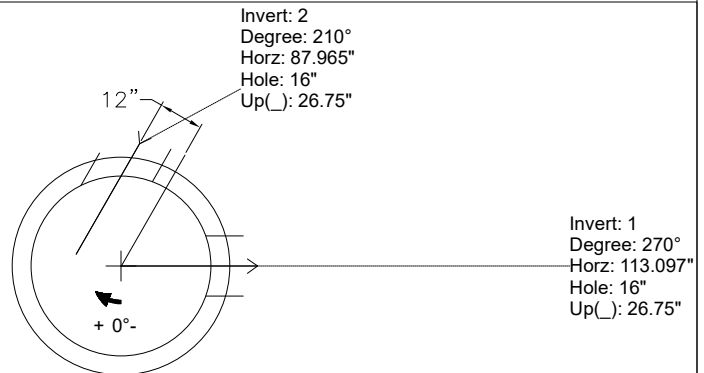
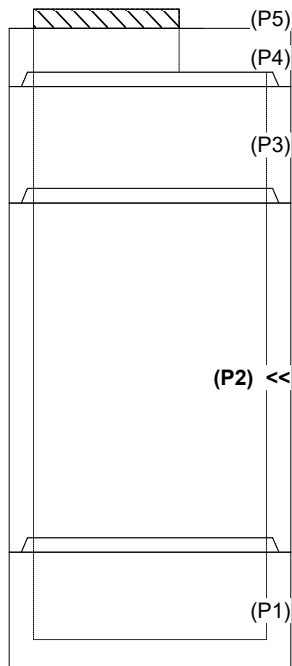
Structure Total: 10522 lb

Structure Notes:
4" CASTING BY OTHERS
LIFTNG 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

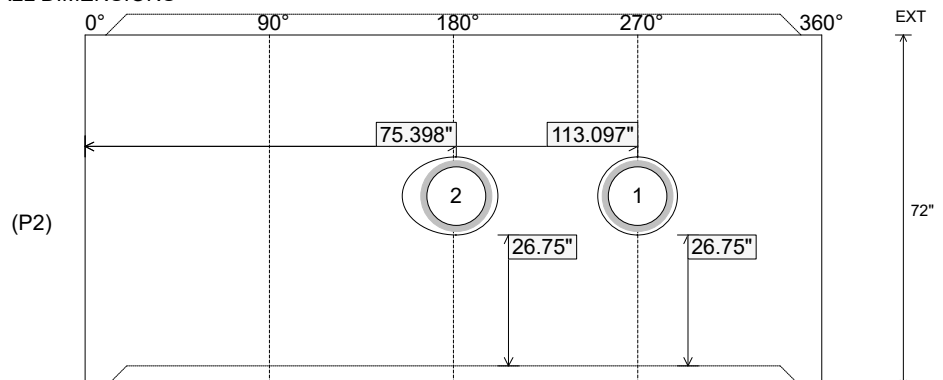
Rim: 729' Rim to Invert: 7.66' Slack: 12.92' Sump: 51" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	721.34'	270°	136.659"	12" HDPE	14.5"	Hole 16	16"	16.312"	26.75"	0"
Invert 2	721.34'	210°	93.919"	12" HDPE	14.5"	Hole 16	16"	19.624"	26.75"	-12"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

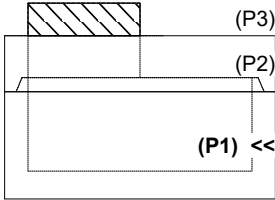
Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 5"
Floor Height: 0"

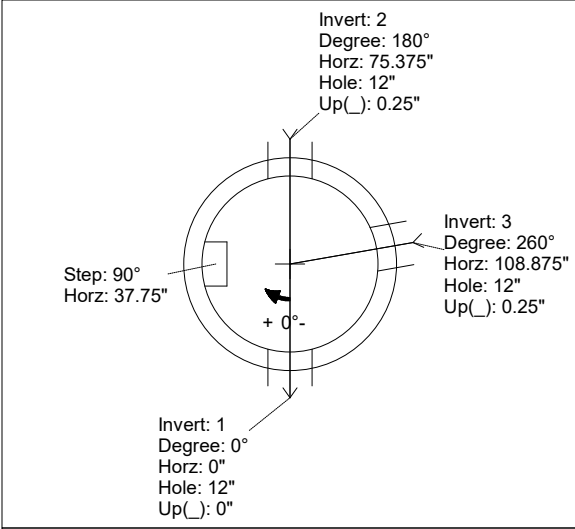
Height (Int): 72"
Height (Ext): 72"

Weight (Net): 4845 lb
Volume (Net): 1.24cu.yd

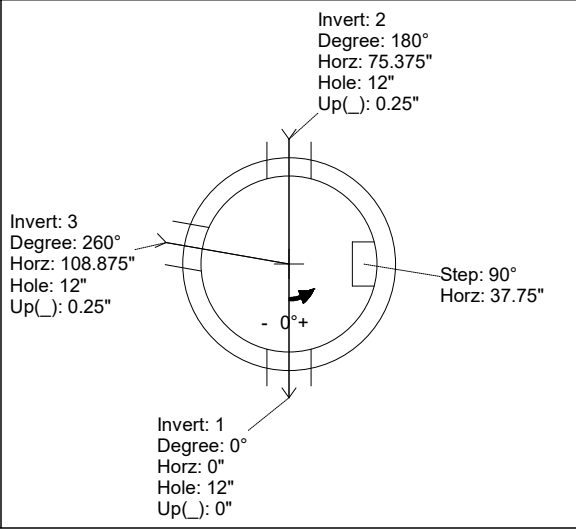
Job Name: 26-2763 - The Flats of Martin Job Location: Paris, TN 38242 Contractor: BTM Excavating, LLC				Plant: 100 7/14/2026 11:10:24 AM		Tech: Jared - F PC: T. Lewis						
Structure ID: MH-2 SS-MH												
P1 MH048BAVFCDARED				MH BASE Custom Ht, w/ConBlock-CDA Red T/n								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/24" Hole ECC w/ConBlock-CDA Red F/G - 12" P1) 48" - MH BASE Custom Ht, w/ConBlock-CDA Red T/n - 17" 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ADMIXTURE CONBLOCK CDA RED 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) CASTING - JBS 1150 F/C SANITARY 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 2) PSX - 12-06 NYLO 1) MH Step ML-10-TDS-NCR - 10"				0 lb 1580 lb 2374 lb 0 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 8 lb 16 lb 0 lb ----- 5668 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (JBS 1150 F/C SANITARY). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.						
Rim: 355.5' Rim to Invert: 2.8' Slack: -0.4" Sump: 2" Step Position: 90°												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	352.7'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"		
Invert 2	352.8'	180°	91.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"		
Invert 3	352.8'	260°	131.625"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"		
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												



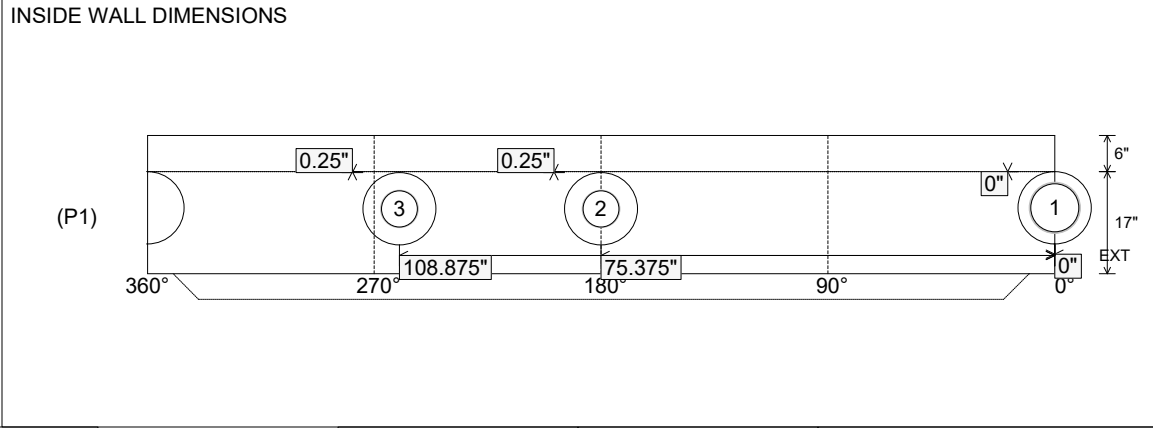
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 17" Height (Ext): 23"	Weight (Net): 2374 lb Volume (Net): 0.61cu.yd
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Job Name: 26-2763 - The Flats of Martin

Job Location: Paris, TN 38242

Contractor: BTM Excavating, LLC

Plant: 100

7/14/2026 11:10:24 AM

Tech: Jared - F

PC: T. Lewis

Structure ID: MH-2 SS-MH

P1 MH048BAVFCDARED

MH BASE Custom Ht, w/ConBlock-CDA Red T/n

P3) 24" - CASTING HEIGHT - 7"

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

P1) 48" - MH BASE Custom Ht, w/ConBlock-CDA Red T/n - 17"

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

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

1) ADMIXTURE CONBLOCK CDA RED

1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT

1) CASTING - JBS 1150 F/C SANITARY

1) 48" - Conseal CS-102 1.00" (Double)

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

1) PSX - 12-08 NYLO

2) PSX - 12-06 NYLO

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

0 lb

1580 lb

2374 lb

0 lb

0 lb

0 lb

1440 lb

250 lb

0 lb

0 lb

8 lb

16 lb

0 lb

Structure Total: 5668 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. ADMIXTURE = CONBLOCK CDA RED.

4. CASTING BY ICAST (JBS 1150 F/C SANITARY).

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB = H20 LOADING.

- RISER/WALLS (As .12)

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

Rim: 355.5'

Rim to Invert: 2.8'

Slack: -0.4"

Sump: 2"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	352.7'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	352.8'	180°	91.125"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"
Invert 3	352.8'	260°	131.625"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

FOR INVERT ONLY

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 17"

Height (Ext): 23"

Weight (Net): 2374 lb

Volume (Net): 0.61cu.yd

Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100 7/10/2026 8:12:59 AM		Tech: Jared - A PC: Erica Bradley			
Structure ID: A9										
P1 MH048BA24X		MH BASE w/XYPEX								
P6) 24" - CASTING HEIGHT - 7" P5) 24" - XYPEX GRADE RING - 3" P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 30" P3) 48" - MH RISER w/XYPEX - 72" P2) 48" - MH RISER w/XYPEX - 72" P1) 48" - MH BASE w/XYPEX - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - JBS 1150 F/C SANITARY 3) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 17) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 1981 lb 5030 lb 5030 lb 2911 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 16860 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Rim: 726.26' Rim to Invert: 17.19' Slack: 0.28" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	709.07'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	709.17'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P6)

(P5)

(P4)

(P3)

(P2)

(P1) <<

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

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

Step: 0°
Horz: 0"

RIGHT-SIDE UP VIEW (int. dimensions)

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

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

1.2"

75.398"

0"

0"

6"

24"

EXT

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 24"
Height (Ext): 30"

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

Job Name: 25-4288 - Project Wave

Job Location: Franklin, KY 42134

Contractor: Cumberland Pipeline LLC

Plant: 100

7/10/2026 8:12:59 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: A9

P1 MH048BA24X

MH BASE w/XYPEX

P6) 24" - CASTING HEIGHT - 7"

P5) 24" - XYPEX GRADE RING - 3"

P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"

P3) 48" - MH RISER w/XYPEX - 72"

P2) 48" - MH RISER w/XYPEX - 72"

P1) 48" - MH BASE w/XYPEX - 24"

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

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

1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT

1) CASTING - JBS 1150 F/C SANITARY

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

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

2) PSX - 12-08 NYLO

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

0 lb

202 lb

1981 lb

5030 lb

5030 lb

2911 lb

0 lb

0 lb

1440 lb

250 lb

0 lb

0 lb

16 lb

0 lb

Structure Total: 16860 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. INVERT CHANNEL REQUIRED

5. STEPS AT 0 DEGREES

6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

INVERT CHANNEL DRAWING

FULL HEIGHT INVERT

Rim: 726.26'

Rim to Invert: 17.19'

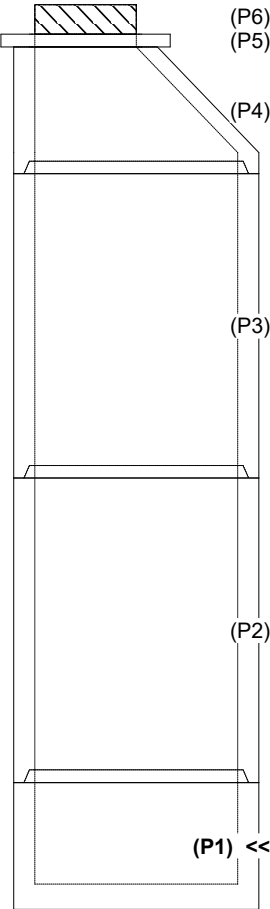
Slack: 0.28"

Sump: 2"

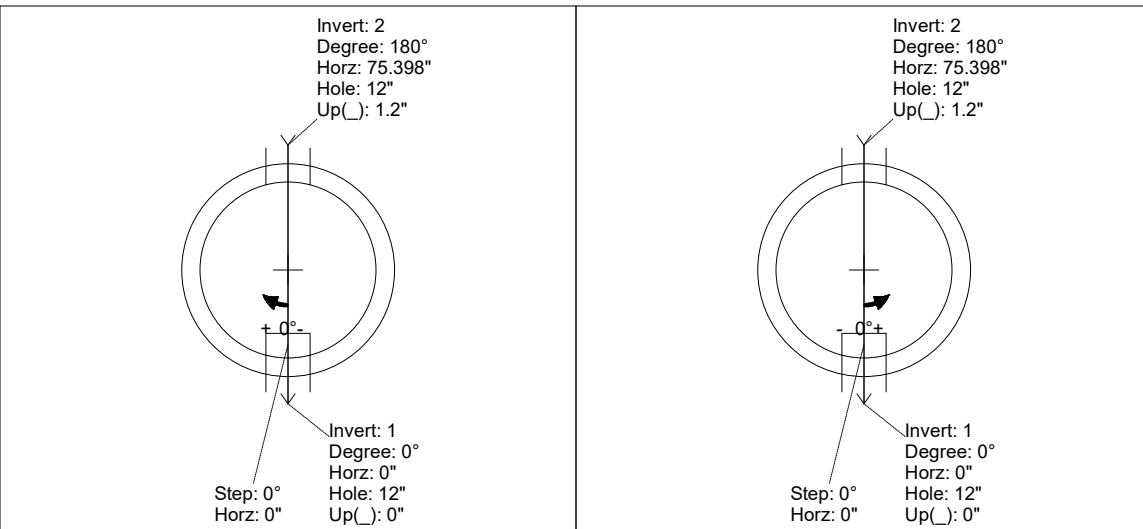
Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	709.07'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	709.17'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

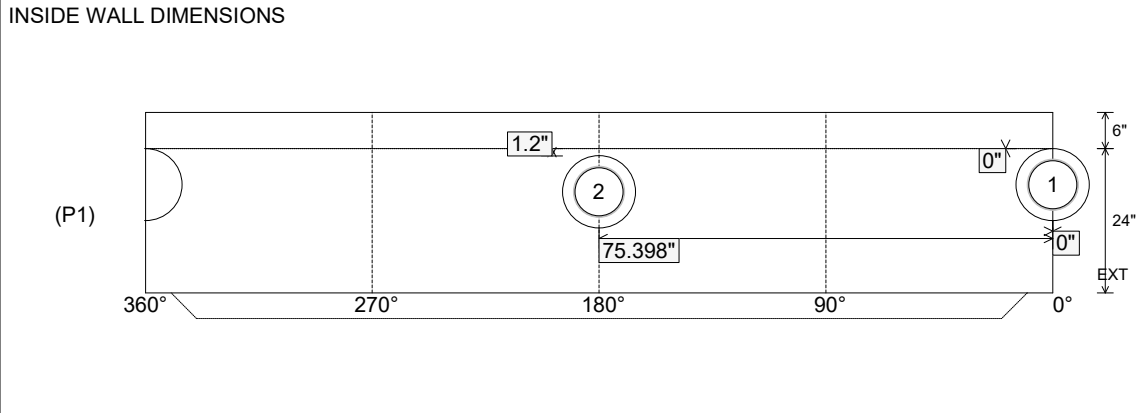
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

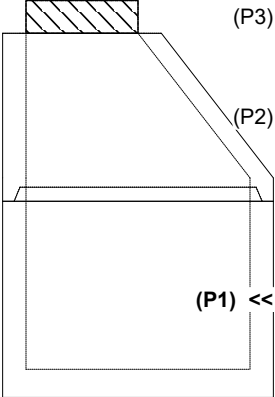
Height (Int): 24"

Height (Ext): 30"

Weight (Net): 2911 lb

Volume (Net): 0.74cu.yd

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC					Plant: 100 5/29/2026 3:21:15 PM		Tech: Jared - F PC: J Jarvis				
Structure ID: MH-13											
P1 MH048BA36		MH BASE T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE T/n - 36" 1) Chimney Seal - Cretex Chimney Seal 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375-WT F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-06 NYLO 5) MH Step ML-10-TDS-NCR - 10"					0 lb 3000 lb 3749 lb 10 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 16 lb 0 lb ----- Structure Total: 8486 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY). 4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST. . 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: 449.1' Rim to Invert: 6.4' Slack: 0.8" Sump: 3" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	442.7'	0°	0"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	0"	0"	
Invert 2	442.8'	255°	129.125"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

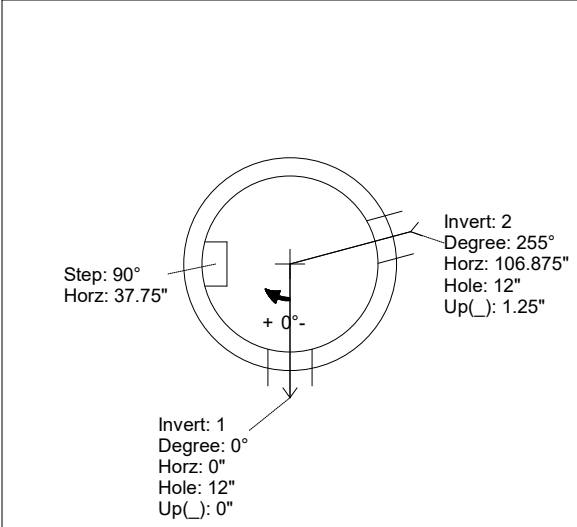


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

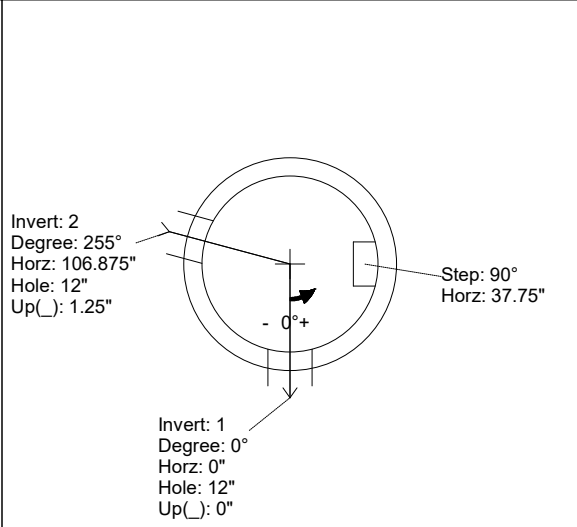


Invert: 2
Degree: 255°
Horz: 106.875"
Hole: 12"
Up(): 1.25"

Step: 90°
Horz: 37.75"

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

UPSIDE-DOWN VIEW (int. dimensions)

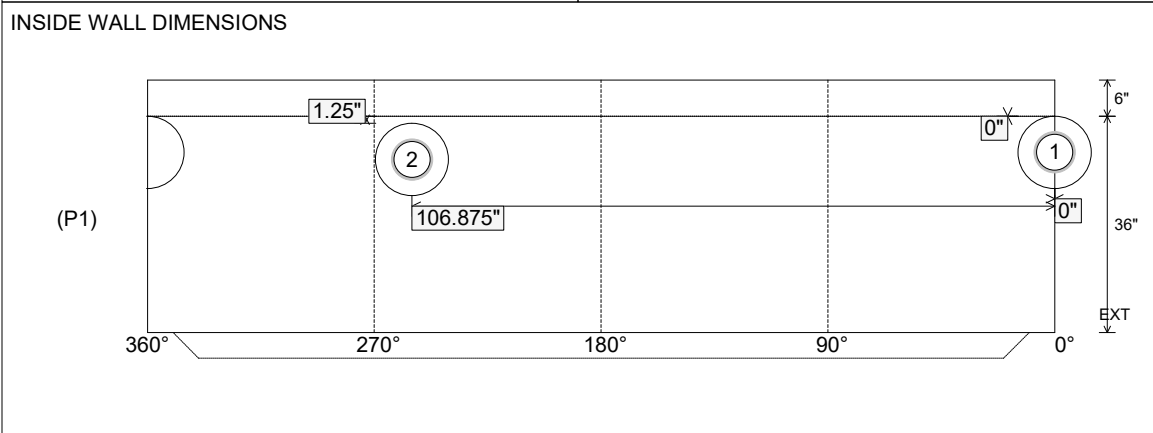


Invert: 2
Degree: 255°
Horz: 106.875"
Hole: 12"
Up(): 1.25"

Step: 90°
Horz: 37.75"

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

INSIDE WALL DIMENSIONS



(P1)

1.25"

106.875"

360° 270° 180° 90° 0°

6"

36"

EXT

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: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC					Plant: 100		Tech: Jared - F					
					5/29/2026 3:21:15 PM		PC: J Jarvis					
Structure ID: MH-13												
P1 MH048BA36			MH BASE T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" P1) 48" - MH BASE T/n - 36" 1) Chimney Seal - Cretex Chimney Seal 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375-WT F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-06 NYLO 5) MH Step ML-10-TDS-NCR - 10"						0 lb 3000 lb 3749 lb 10 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 16 lb 0 lb ----- Structure Total: 8486 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY). 4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST. . 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: 449.1' Rim to Invert: 6.4' Slack: 0.8" Sump: 3" Step Position: 90°												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	442.7'	0°	0"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	0"	0"		
Invert 2	442.8'	255°	129.125"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	1.25"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC					Plant: 100		Tech: Jared - F			
					6/3/2026 5:59:54 PM		PC: J Jarvis			
Structure ID: MH-11										
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 - 27" 1) Chimney Seal - Cretex Chimney Seal 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-06 NYLO 2) MH Step ML-10-TDS-NCR - 10"					0 lb 1561 lb 3121 lb 10 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 6419 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY I-CAST (HOE MC-375 F/C SANITARY). 4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST. . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 450' Rim to Invert: 3.6' Slack: 0.2" Sump: 3" Step Position: 90										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	446.4'	0°	0"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	0"	0"
Invert 2	446.5'	243°	123"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

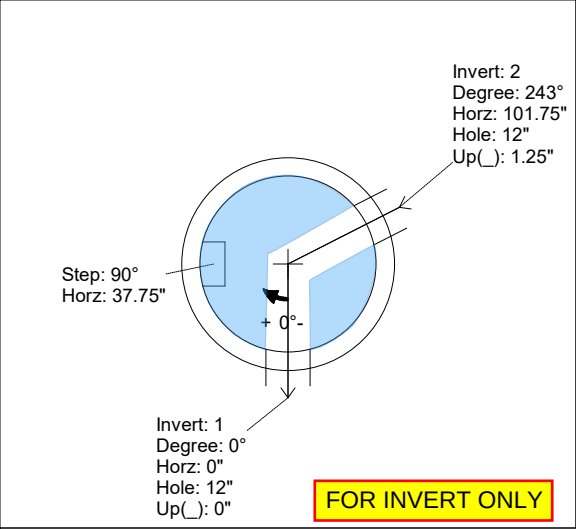
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

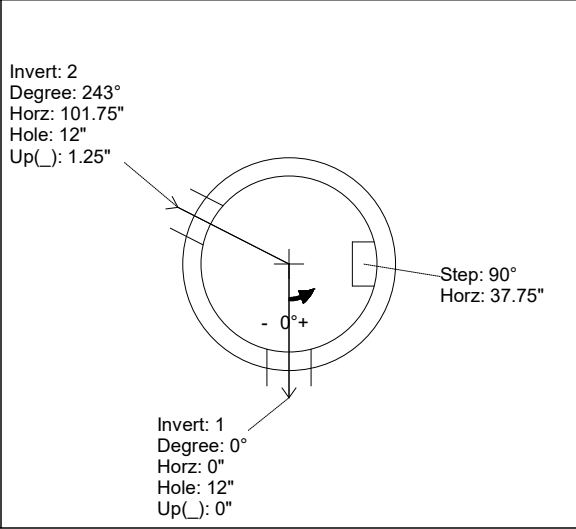
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 27" Height (Ext): 33"	Weight (Net): 3121 lb Volume (Net): 0.8cu.yd
----------------------------------	---------------------------------	--	--	---

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC					Plant: 100 6/3/2026 5:59:54 PM		Tech: Jared - F PC: J Jarvis				
Structure ID: MH-11											
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 - 27" 1) Chimney Seal - Cretex Chimney Seal 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-06 NYLO 2) MH Step ML-10-TDS-NCR - 10"					0 lb 1561 lb 3121 lb 10 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- 6419 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY I-CAST (HOE MC-375 F/C SANITARY). 4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 450' Rim to Invert: 3.6' Slack: 0.2" Sump: 3" Step Position: 90											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	446.4'	0°	0"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	0"	0"	
Invert 2	446.5'	243°	123"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

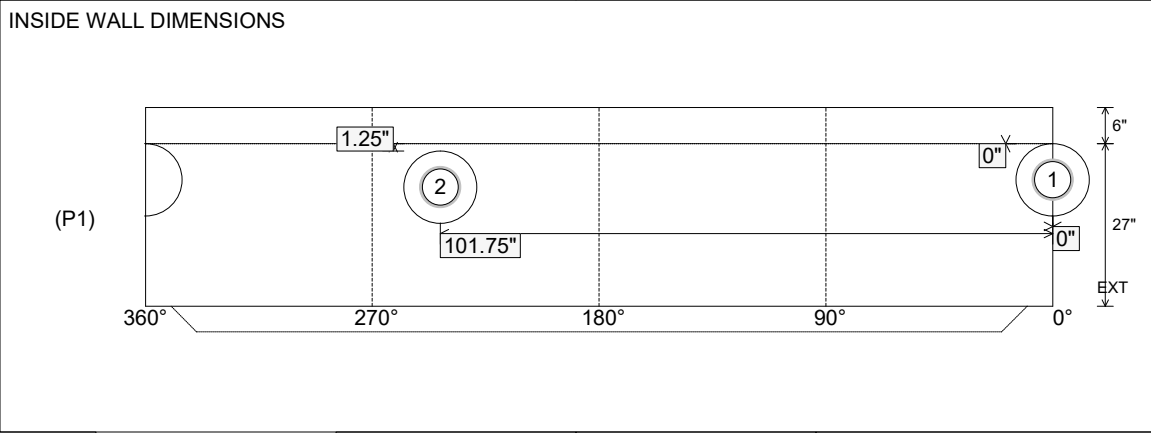
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 27" Height (Ext): 33"	Weight (Net): 3121 lb Volume (Net): 0.8cu.yd
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Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion

Job Location: Shepherdsville, KY

Contractor: Pace Contracting, LLC

Plant: 100

5/29/2026 3:21:13 PM

Tech: Jared - F

PC: J Jarvis

Structure ID: MH-10

P1 MH048BA30

MH BASE T/n

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - ECC CONE w/ 24" HOLE F/G - 42"

P3) 48" - MH RISER T/G - 60"

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

P1) 48" - MH BASE T/n - 30"

1) Chimney Seal - Cretex Chimney Seal

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

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

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

2) PSX - 12M NYLO

1) Drop Tee - 6" PVC

1) Drop Elbow - 6" PVC

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

0 lb

3200 lb

4178 lb

5030 lb

3316 lb

10 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

16 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 SUPPLIED BY I-CAST (HOE MC-375 F/C SANITARY).

4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST.

5. EXTERIOR DROP ASSEMBLY @166.

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: 453.9'

Rim to Invert: 17.5'

Slack: 1"

Sump: 2"

Step Position: 90°

Structure Total: 17461 lb

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	436.4'	0°	0"	8" DI	9"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3	436.5'	228°	115.375"	8" DI	9"	PSX 12M NYLO	12"	12.129"	1.25"	0"
Invert 4	436.7'	166°	84"	6" PVC SDR35	6.25"	Drop Elbow 6" PVC	6.5"	6.52"	5.375"	0"
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): 3316 lb

Volume (Net): 0.85cu.yd

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

Job Location: Shepherdsville, KY

Contractor: Pace Contracting, LLC

Plant: 100

5/29/2026 3:21:13 PM

Tech: Jared - F

PC: J Jarvis

Structure ID: MH-10

P1 MH048BA30

MH BASE T/n

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - ECC CONE w/ 24" HOLE F/G - 42"

P3) 48" - MH RISER T/G - 60"

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

P1) 48" - MH BASE T/n - 30"

1) Chimney Seal - Cretex Chimney Seal

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

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

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

2) PSX - 12M NYLO

1) Drop Tee - 6" PVC

1) Drop Elbow - 6" PVC

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

0 lb

3200 lb

4178 lb

5030 lb

3316 lb

10 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

0 lb

16 lb

0 lb

0 lb

0 lb

0 lb

17461 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

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

4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST.

5. EXTERIOR DROP ASSEMBLY @166.

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: 453.9'

Rim to Invert: 17.5'

Slack: 1"

Sump: 2"

Step Position: 90°

Structure Total:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	436.4'	0°	0"	8" DI	9"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3	436.5'	228°	115.375"	8" DI	9"	PSX 12M NYLO	12"	12.129"	1.25"	0"
Invert 4	436.7'	166°	84"	6" PVC SDR35	6.25"	Drop Elbow 6" PVC	6.5"	6.52"	5.375"	0"
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): 3316 lb

Volume (Net): 0.85cu.yd

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

Job Location: Shepherdsville, KY

Contractor: Pace Contracting, LLC

Plant: 100

5/29/2026 6:46:25 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: MH-10

P2 MH048RS72-D

MH RISER T/G

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - ECC CONE w/ 24" HOLE F/G - 42"

P3) 48" - MH RISER T/G - 60"

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

P1) 48" - MH BASE T/h - 30"

1) Chimney Seal - Cretex Chimney Seal

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

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

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

2) PSX - 12M NYLO

1) Drop Tee - 6" PVC

1) Drop Elbow - 6" PVC

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

0 lb

3200 lb

4178 lb

5030 lb

3316 lb

10 lb

1440 lb

0 lb

0 lb

271 lb

0 lb

0 lb

16 lb

0 lb

0 lb

0 lb

17461 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

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

4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST.

5. EXTERIOR DROP ASSEMBLY @166.

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: 453.9'

Rim to Invert: 17.5'

Slack: 1"

Sump: 2"

Step Position: 90°

Structure Total:

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)

Step: 90°

Horz: 37.75"

+ 0°-

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

(P2)

EXT

72"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

Floor Height: 0"

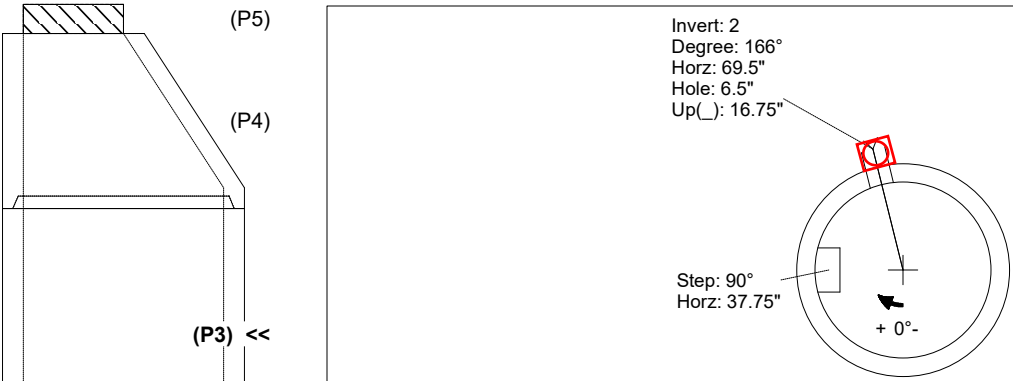
Height (Int): 72"

Height (Ext): 72"

Weight (Net): 5030 lb

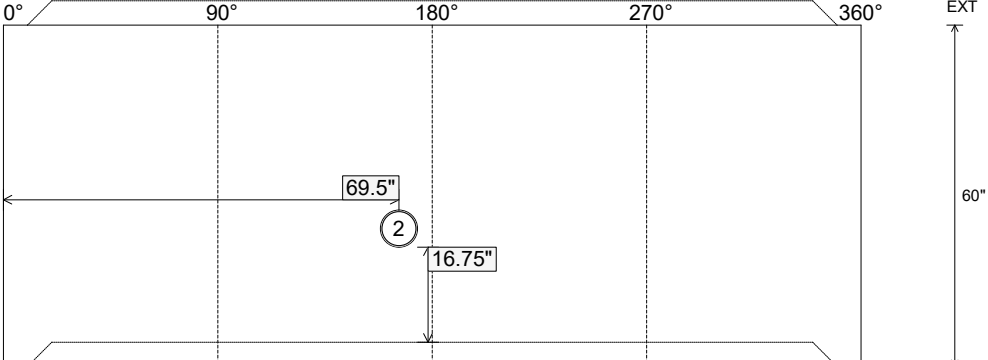
Volume (Net): 1.28cu.yd

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC				Plant: 100 5/29/2026 3:22:50 PM		Tech: Jared - F PC: J Jarvis				
Structure ID: MH-10										
P3 MH048RS60S-D MH RISER T/G										
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC CONE w/ 24" HOLE F/G - 42" P3) 48" - MH RISER T/G - 60" P2) 48" - MH RISER T/G - 72" P1) 48" - MH BASE T/h - 30" 1) Chimney Seal - Cretex Chimney Seal 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Sanitary 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12M NYLO 1) Drop Tee - 6" PVC 1) Drop Elbow - 6" PVC 17) MH Step ML-10-TDS-NCR - 10" Rim: 453.9' Rim to Invert: 17.5' Slack: 1" Sump: 2" Step Position: 90° Structure Total: 17461 lb						0 lb 3200 lb 4178 lb 5030 lb 3316 lb 10 lb 1440 lb 0 lb 0 lb 271 lb 0 lb 0 lb 16 lb 0 lb 0 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY I-CAST (HOE MC-375 F/C SANITARY). 4. 8.5" EXTERNAL CHIMNEY SEAL BY I-CAST. 5. EXTERIOR DROP ASSEMBLY @166. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	446.5'	166°	84"	6" PVC SDR35	6.25"	Drop Tee 6" PVC	6.5"	6.52"	16.75"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



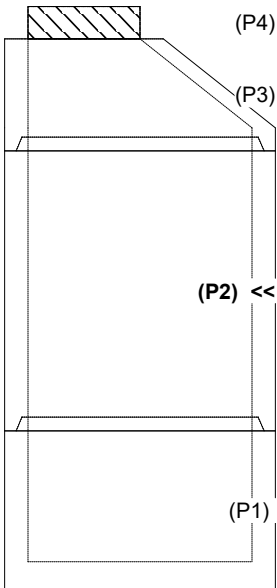
RIGHT-SIDE UP VIEW (int. dimensions)

INSIDE WALL DIMENSIONS



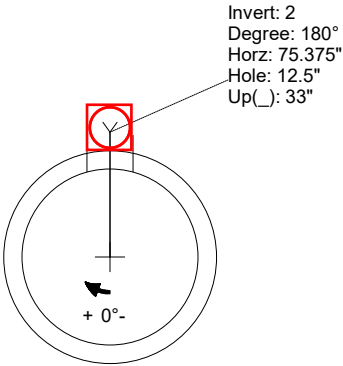
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 60" Height (Ext): 60"	Weight (Net): 4178 lb Volume (Net): 1.07cu.yd
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Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:56:54 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A7 (11)											
P2 MH048RS60S-D				MH RISER T/G							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE Custom Ht T/n - 28" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 16M DD 1) Drop Tee - 12" PVC 1) Drop Elbow - 12" PVC					0 lb 1550 lb 4140 lb 3149 lb 1440 lb 0 lb 0 lb 8 lb 0 lb 0 lb ----- Structure Total: 10286 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. EXTERIOR DROP ASSEMBLY PROVIDED BY ICAST. 6. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. . 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: 556.7' Rim to Invert: 9.81' Slack: 0.72' Sump: 2" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2	552.18'	180°	91.125"	12" PVC SDR35	12.5"	Drop Tee 12" PVC	12.5"	12.646"	33"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

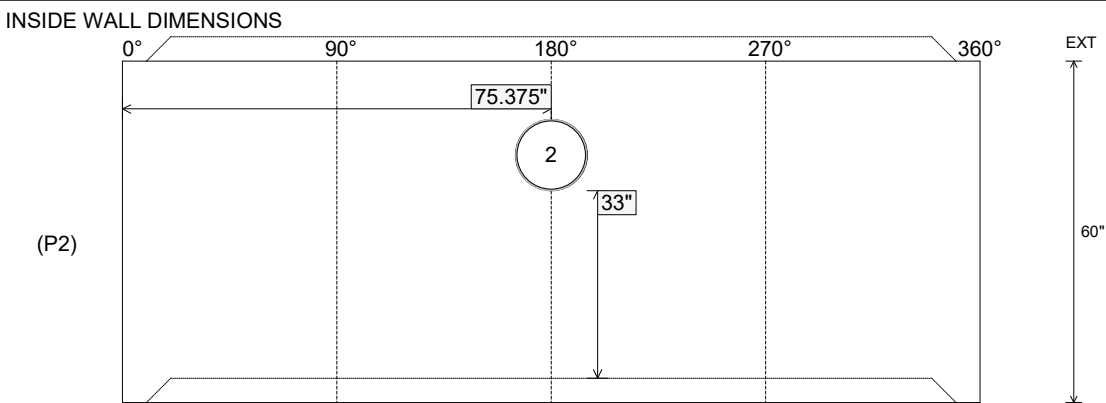
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 12.5"
Up(): 33"

+ 0°-

INSIDE WALL DIMENSIONS



0° 90° 180° 270° 360°
75.375"
2
33"
60"
EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 60" Height (Ext): 60"	Weight (Net): 4140 lb Volume (Net): 1.06cu.yd
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Job Name: 26-1394 - TMMI Ryder Lift Station

Job Location: Princeton, IN

Contractor: Koberstein Contracting, Inc.

Plant: 100

7/16/2026 2:28:13 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: 5 MV (1)

P1 MH060BAEVF

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

P4) 37" x 36" - HATCH (CAST FLUSH) - 3"

P3) 60" - MH FLAT TOP w/37"x36" Hatch F/G - 13"

P2) 60" - MH RISER Custom Ht T/G - 46"

P1) 60" - MH BASE w/FLANGE (08F/08EF) T/n - 36"

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

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

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

1) SECONDARY POUR - Extended Base Flange

2) 60" - Conseal CS-102 1.00" (Double)

3) PSX - 8QRS-S NYLO

0 lb

2305 lb

4802 lb

7765 lb

0 lb

0 lb

0 lb

0 lb

0 lb

20 lb

Structure Total: 14891 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):

- WALLS: PER ASTM A615

- FLOOR: #5 BAR @ 10" C.C. E.W. (GRADE 60)

4. NO STEPS

5. FLOOR GROUTING BY OTHERS

6. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AT 45°, 135°, 225°, & 315°, MIN. 12" FROM TOP OF WALLS

FIRST POUR (BASE): 6,415 LBS

SECOND POUR (8" EXT. FLANGE): 1,350 LBS

Rim: 464.81'

Rim to Invert: 7.63'

Slack: 0.4"

Sump: 3.84"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	458.81'	0°	0"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	21.375"	0"
Invert 2	458.81'	180°	113.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	21.375"	0"
Invert 3	457.18'	180°	113.125"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8.024"	1.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 3
Degree: 180°
Horz: 94.25"
Hole: 8"
Up(⌋): 1.25"

Invert: 2
Degree: 180°
Horz: 94.25"
Hole: 8"
Up(⌋): 21.375"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 8"
Up(⌋): 21.375"

+ 0°-

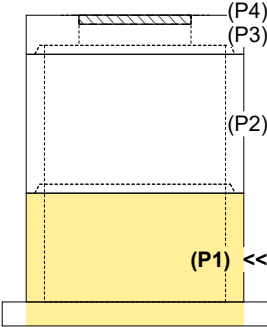
UPSIDE-DOWN VIEW (int. dimensions)

Invert: 3
Degree: 180°
Horz: 94.25"
Hole: 8"
Up(⌋): 1.25"

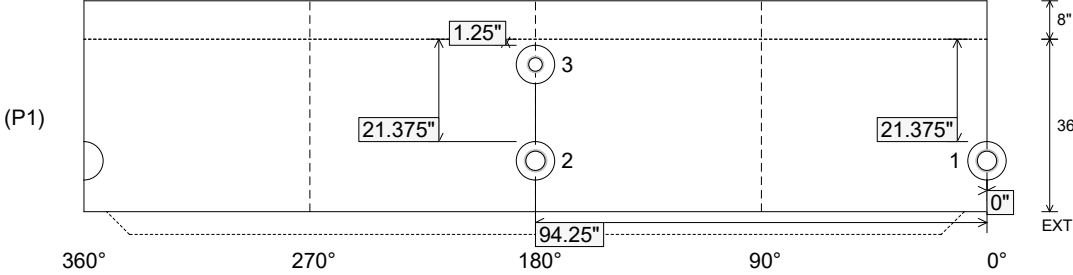
Invert: 2
Degree: 180°
Horz: 94.25"
Hole: 8"
Up(⌋): 21.375"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 8"
Up(⌋): 21.375"

- 0°+



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 8"

Height (Int): 36"

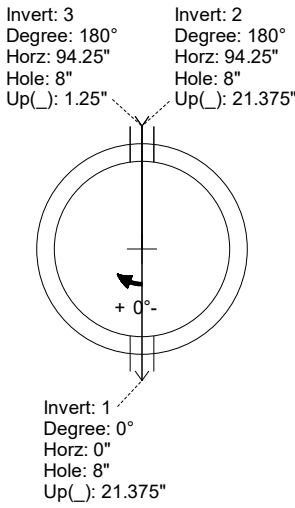
Height (Ext): 44"

Weight (Net): 7765 lb

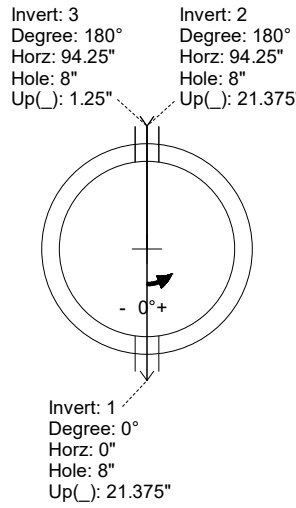
Volume (Net): 1.98cu.yd

Job Name: 26-1394 - TMMI Ryder Lift Station Job Location: Princeton, IN Contractor: Koberstein Contracting, Inc.					Plant: 100 7/16/2026 2:28:13 PM		Tech: Jared - A PC: A. Chambers				
Structure ID: 5 MV (1)											
P1 MH060BAEVF		MH BASE w/FLANGE (08F/08EF) T/n									
P4) 37" x 36" - HATCH (CAST FLUSH) - 3" P3) 60" - MH FLAT TOP w/37"x36" Hatch F/G - 13" P2) 60" - MH RISER Custom Ht T/G - 46" P1) 60" - MH BASE w/FLANGE (08F/08EF) T/n - 36" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) This Structure Includes a Cast-in Item - 37" x 36" Hatch (Supplied by Others) 1) SECONDARY POUR - Extended Base Flange 2) 60" - Conseal CS-102 1.00" (Double) 3) PSX - 8QRS-S NYLO						0 lb 2305 lb 4802 lb 7765 lb 0 lb 0 lb 0 lb 0 lb 0 lb 20 lb ----- Structure Total: 14891 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: DRILL & DOWEL #5 BAR @ 8" C.C. E.W. (GRADE 60) OUT OF BASE FLOOR FOR EXT. FLANGE POUR TIE-IN - 4" MIN. PENETRATION INTO BASE FLOOR & 2" MIN. REBAR CLEARANCE FROM TOP OF FLOOR (TYP)			
FIRST POUR (BASE): 6,415 LBS SECOND POUR (8" EXT. FLANGE): 1,350 LBS											
Rim: 464.81' Rim to Invert: 7.63' Slack: 0.4" Sump: 3.84" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	458.81'	0°	0"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	21.375"	0"	
Invert 2	458.81'	180°	113.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	21.375"	0"	
Invert 3	457.18'	180°	113.125"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8.024"	1.25"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

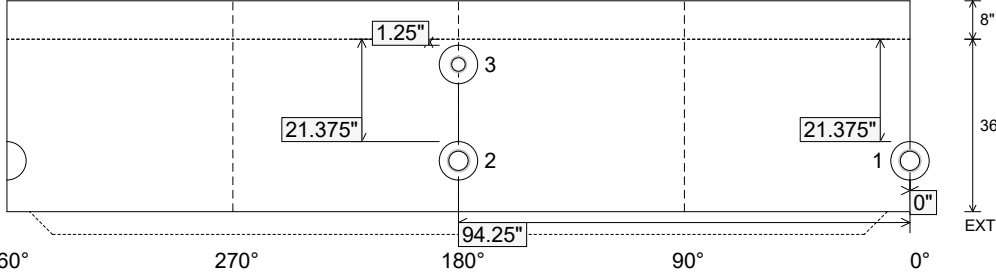
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



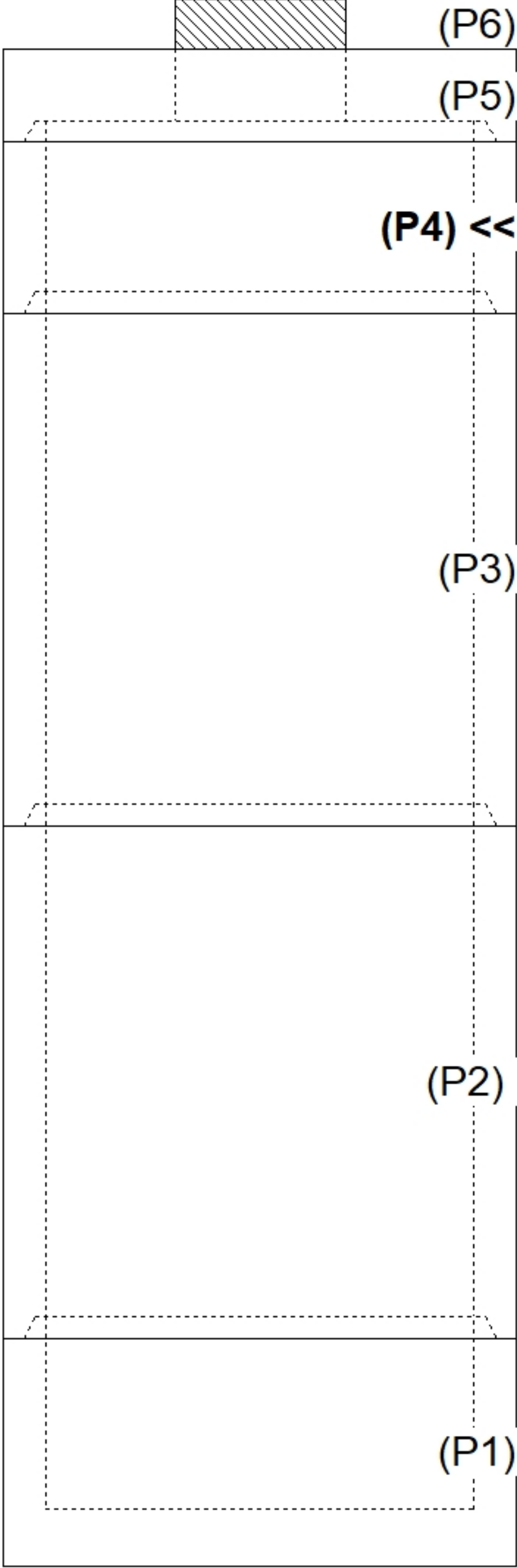
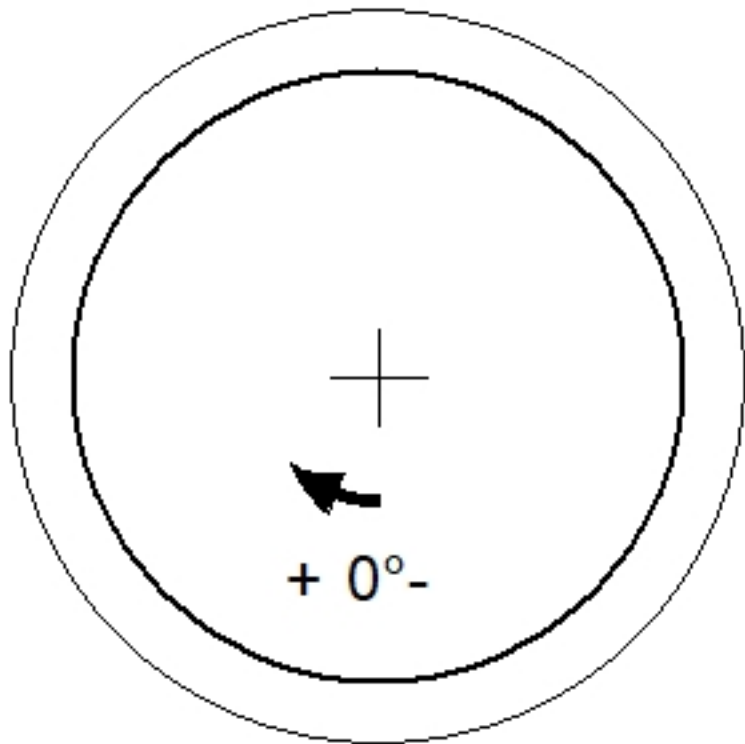
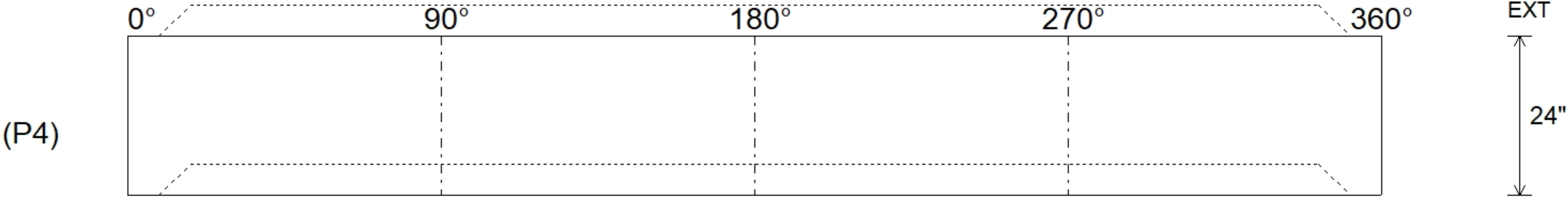
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

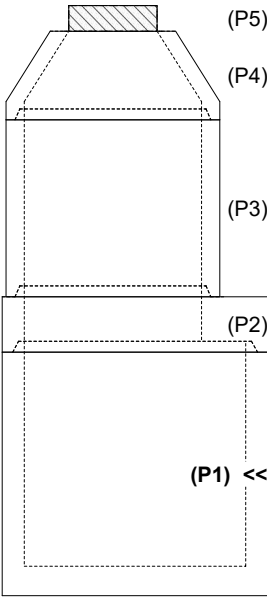
Height (Int): 36"
Height (Ext): 44"

Weight (Net): 7765 lb
Volume (Net): 1.98cu.yd

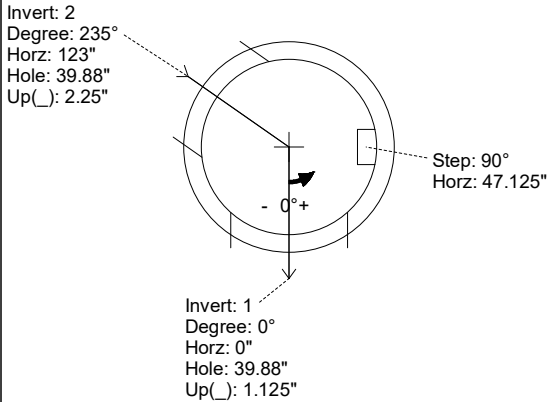
Job Name: 26-2736 ADS UA Local 52 Job Location: Louisville, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 7/9/2026 9:09:21 AM		Tech: S. Felletter PC: T. Ryan						
Structure ID: S110													
P4		MH060RS24		MH RISER T/G									
P6) 24" - CASTING HEIGHT - 7" P5) 60" - MH FLAT TOP w/24" Ctr. Hole F/G - 13" P4) 60" - MH RISER T/G - 24" P3) 60" - MH RISER T/G - 72" P2) 60" - MH RISER T/G - 72" P1) 60" - MH BASE T/n - 24" 1) ASSEMBLY REQUIRED 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Storm 4) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Hole - 12						0 lb 2674 lb 2505 lb 7516 lb 7402 lb 5239 lb 0 lb 0 lb 0 lb 271 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"). . 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: 549.66' Rim to Invert: 11.04' Slack: 1.48" Sump: 81" Step Position:						Structure Total: 25607 lb							
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)													
													
INSIDE WALL DIMENSIONS													
													
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 6" Floor Height: 0"		Height (Int): 24" Height (Ext): 24"		Weight (Net): 2505 lb Volume (Net): 0.64cu.yd				

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/20/2026 1:21:52 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301564											
P1 MH060BAVF			MH BASE Custom Ht T/n								
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 48" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 58" 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 11) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 3353 lb 2204 lb 7434 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 17937 lb Structure Total:		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS				
Rim: 757.07' Rim to Invert: 12.63' Slack: 2.56" Sump: 3" Step Position: 90°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	744.44'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"	
Invert 2	744.54'	235°	147.625"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

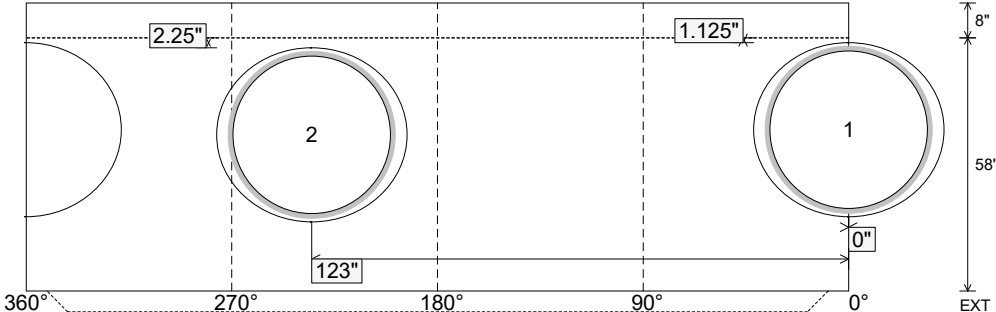
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



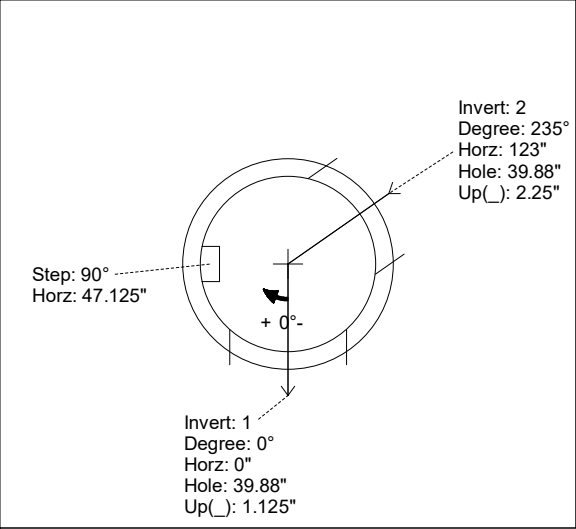
INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 58" Height (Ext): 66"	Weight (Net): 7434 lb Volume (Net): 1.9cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting				Plant: 100 3/20/2026 1:21:52 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301564										
P1 MH060BAVF				MH BASE Custom Ht T/n						
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 48" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE Custom Ht T/n - 58" 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 11) MH Step ML-10-TDS-NCR - 10"				0 lb 2252 lb 3353 lb 2204 lb 7434 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- 17937 lb Structure Total:		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS				
Rim: 757.07' Rim to Invert: 12.63' Slack: 2.56" Sump: 3" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	744.44'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	744.54'	235°	147.625"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

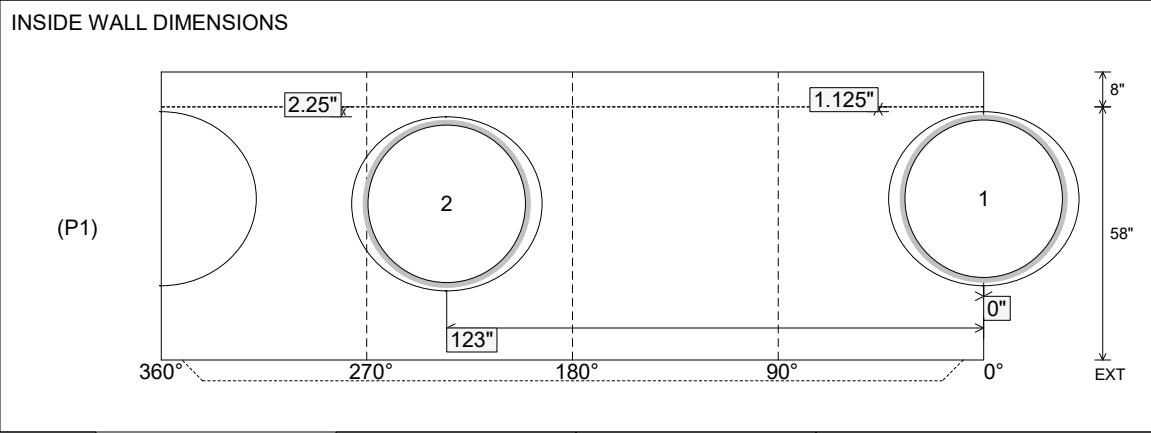
RIGHT-SIDE UP VIEW (int. dimensions)



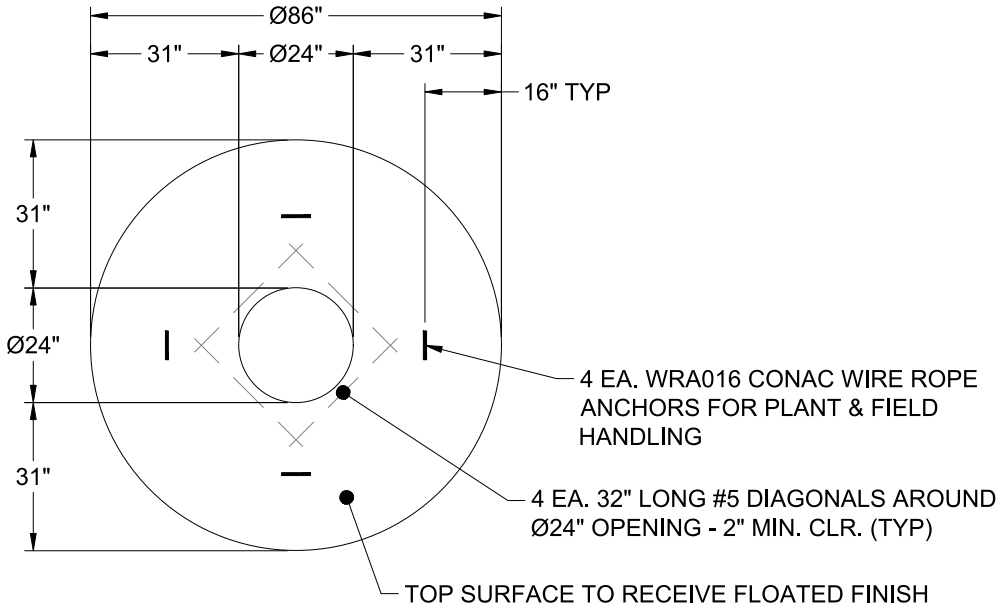
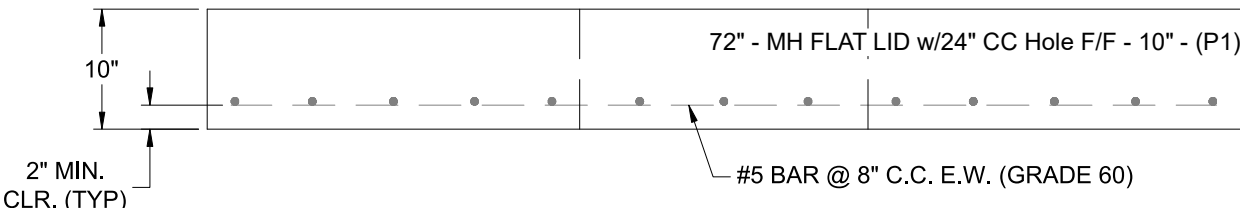
UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 58" Height (Ext): 66"	Weight (Net): 7434 lb Volume (Net): 1.9cu.yd
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Job Name: 26-1394 - TMMI Ryder Lift Station Job Location: Princeton, IN Contractor: Koberstein Contracting, Inc.		Plant: 100 7/16/2026 2:28:58 PM	Tech: Jared - A PC: A. Chambers	
Structure ID: 2 Top Slab				
P1 MH072LD10-24CC		MH FLAT LID w/24" CC Hole F/F		
P2) 24" - CASTING HEIGHT - 4" P1) 72" - MH FLAT LID w/24" CC Hole F/F - 10" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) CASTING - HOE MC-260 F/C Sanitary 1) 24" - Conseal CS-102 1.00" (Double)		0 lb 4496 lb 0 lb 0 lb 230 lb 0 lb ----- Structure Total: 4726 lb	<u>Structure Notes:</u> 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE MC-260 FRAME & COVER "SANITARY" SUPPLIED BY ICAST 5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN 6. TOP SURFACE TO RECEIVE FLOATED FINISH	
				
				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 7"	Height (Ext): 10"	Weight (Net): 4496 lb Volume (Net): 1.15cu.yd

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

Plant: 100

5/29/2026 3:22:04 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: MH-14

P3 MH084LD17-24ECC

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

- P4) 24" - CASTING HEIGHT - 7"
P3) 84" - MH FLAT TOP w/24" ECC Hole F/G - 17"
P2) 84" - MH RISER Custom Ht T/G - 15"
P1) 84" - MH BASE T/n - 96"
1) Chimney Seal - Cretex Chimney Seal
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 84" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375-WT F/C Sanitary
2) 84" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) Kor-N-Seal2 - S206-42
8) MH Step ML-10-TDS-NCR - 10"

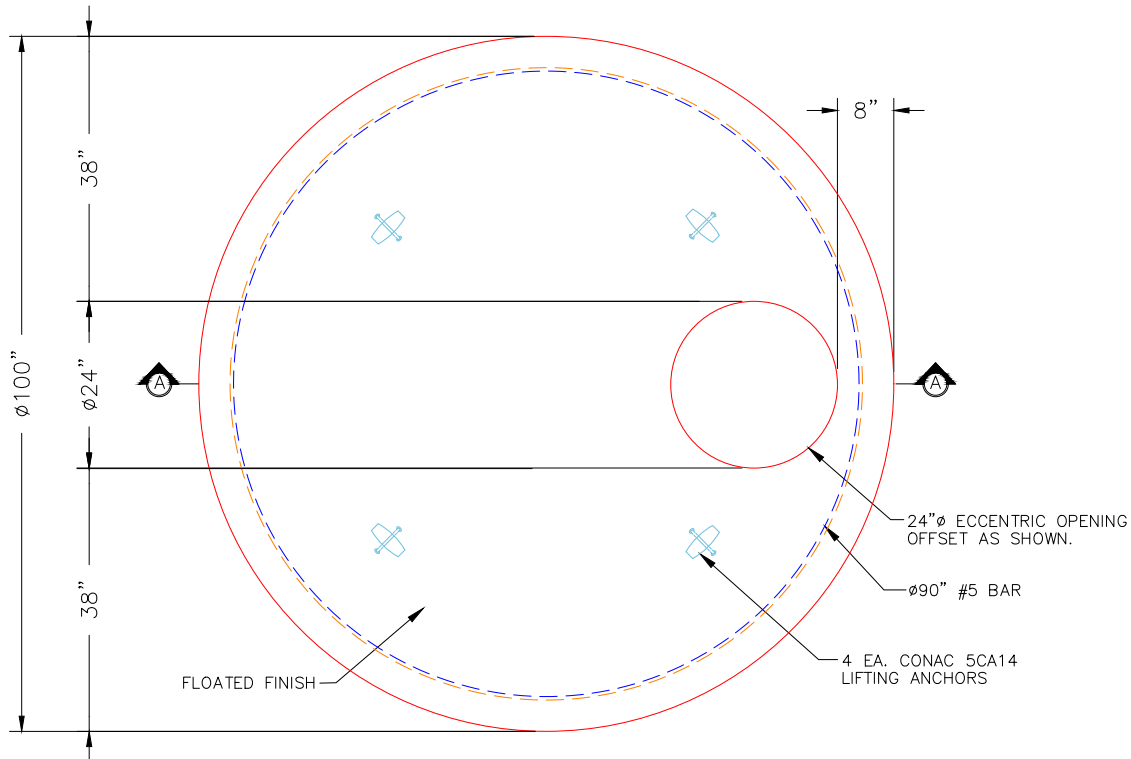
0 lb
7959 lb
2910 lb
21965 lb
10 lb
0 lb
0 lb
5422 lb
271 lb
0 lb
0 lb
13 lb
0 lb

Structure Total: 38550 lb

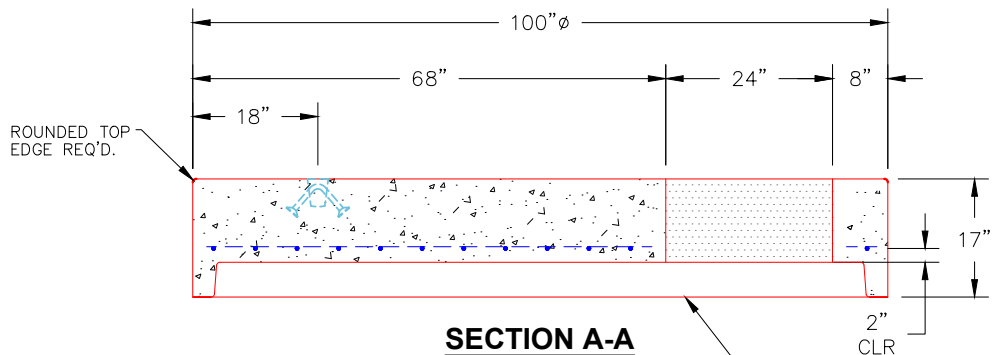
Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY).

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.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 8"

Height (Ext): 17"

Weight (Net): 7959 lb
Volume (Net): 2.03cu.yd

Job Name: 26-1394 - TMMI Ryder Lift Station
Job Location: Princeton, IN
Contractor: Koberstein Contracting, Inc.

Plant: 100

7/16/2026 2:28:11 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: 3

P1 MH096SB12

MH SEPARATE BASE-T EXT. 14" (142" OD) T/n

- P6) 40" x 66" - HATCH (CAST FLUSH) - 3"
P5) 96" - MH FLAT TOP w/40"x66" Hatch F/G - 17"
P4) 96" - MH RISER T/G - 24"
P3) 96" - MH RISER T/G - 96"
P2) 96" - MH RISER T/G - 96"
P1) 96" - MH SEPARATE BASE-T EXT. 14" (142" OD) T/n - 12"
4) JOINT WRAP - 12" WD x 096" MAC WRAP
1) This Structure Includes a Cast-in Item - 40" x 66" Hatch (Supplied by Others)
4) 96" - Conseal CS-231 1.00" (Double)
3) PSX - 8QRS-S NYLO
1) PSX - 16M NYLO
1) PSX - 12-06 NYLO

100 lb
8422 lb
5979 lb
23561 lb
23915 lb
19580 lb
0 lb
0 lb
0 lb
20 lb
8 lb
8 lb

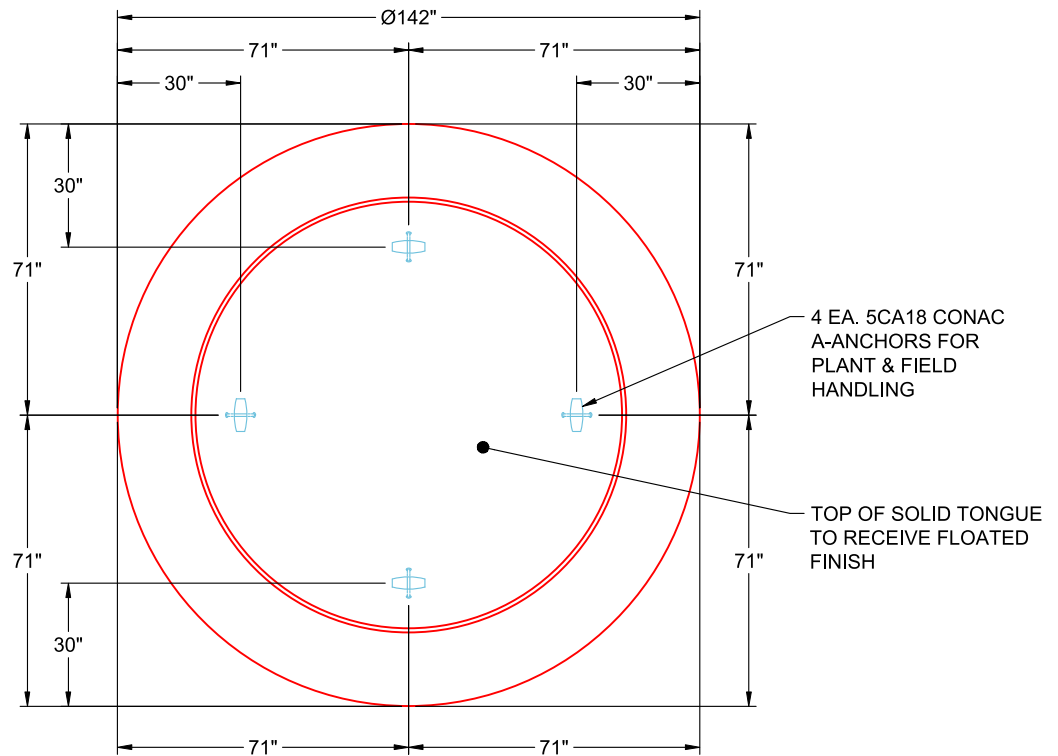
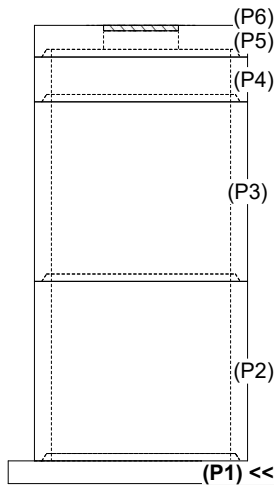
Structure Total: 81592 lb

Structure Notes:

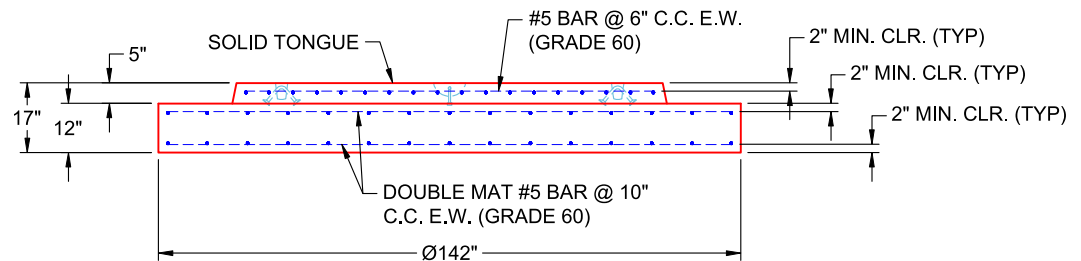
- PER ASTM C-478 SPECIFICATIONS
- CONCRETE: 4,500 PSI AT 28 DAYS
- REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):
 - SOLID TONGUE: #5 BAR @ 6" C.C. E.W. (GRADE 60)
 - MAT: DOUBLE MAT #5 BAR @ 10" C.C. E.W. (GRADE 60)
- LIFTERS: 4 EA. 5CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
- TOP OF SOLID TONGUE TO RECEIVE FLOATED FINISH

Rim: 464.5' Rim to Invert: 10' Slack: 0" Sump: 113" Step Position:

RIGHT-SIDE UP VIEW (int. dimensions)



**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 9"
Floor Height: 12"

Height (Int): 0"
Height (Ext): 0"

Weight (Net): 19580 lb
Volume (Net): 5cu.yd

Job Name: 26-1394 - TMMI Ryder Lift Station

Job Location: Princeton, IN

Contractor: Koberstein Contracting, Inc.

Plant: 100

7/16/2026 2:28:38 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: 3

P2 MH096RS96

MH RISER T/G

P6) 40" x 66" - HATCH (CAST FLUSH) - 3"

P5) 96" - MH FLAT TOP w/40"x66" Hatch F/G - 17"

P4) 96" - MH RISER T/G - 24"

P3) 96" - MH RISER T/G - 96"

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

P1) 96" - MH SEPARATE BASE-T EXT. 14" (142" OD) T/n - 12"

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

1) This Structure Includes a Cast-in Item - 40" x 66" Hatch (Supplied by Others)

4) 96" - Conseal CS-231 1.00" (Double)

3) PSX - 8QRS-S NYLO

1) PSX - 16M NYLO

1) PSX - 12-06 NYLO

0 lb

8422 lb

5979 lb

23561 lb

23915 lb

19580 lb

0 lb

0 lb

0 lb

20 lb

8 lb

8 lb

81492 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,500 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. NO STEPS

5. LIFTERS: 4 EA. 6CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AT 0°, 90°, 180°, & 270°, MIN. 24" FROM TOP OF WALLS

Rim: 464.5'

Rim to Invert: 10'

Slack: 0"

Sump: 113"

Step Position:

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

RIGHT-SIDE UP VIEW (int. dimensions)

(P6)

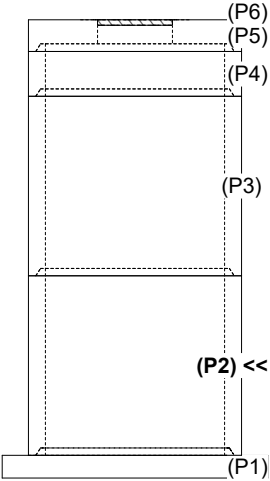
(P5)

(P4)

(P3)

(P2) <<

(P1)



INSIDE WALL DIMENSIONS

0°

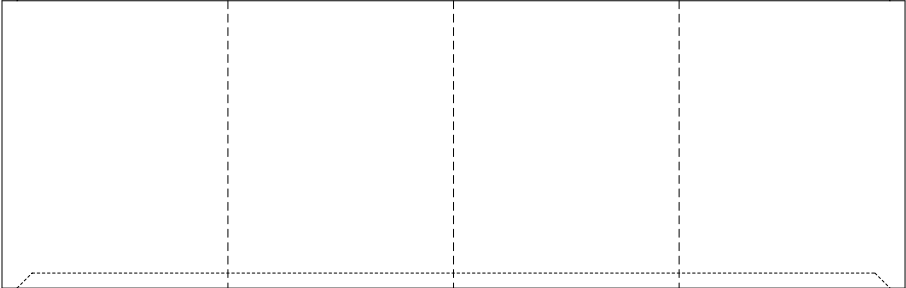
90°

180°

270°

360°

(P2)



EXT

96"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 9"

Floor Height: 0"

Height (Int): 96"

Height (Ext): 96"

Weight (Net): 23915 lb

Volume (Net): 6.11cu.yd

Job Name: 26-2254 - Wilder Box Culvert
Job Location: Wilder, KY
Contractor: Eaton Asphalt

Plant: 100
7/6/2026 1:23:22 PM

Tech: Jared - A
PC: E. Bradley

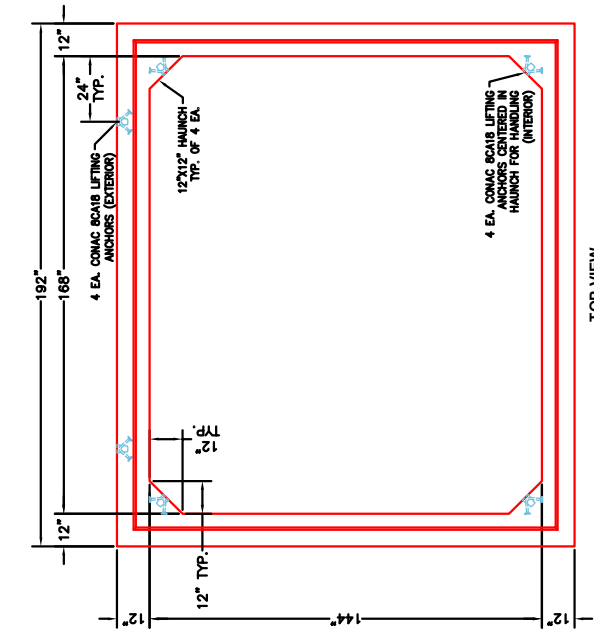


Structure ID: Box Culvert

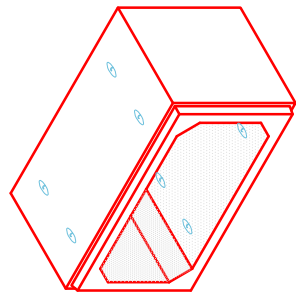
P21 BC168144-12W12T12F-12H

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

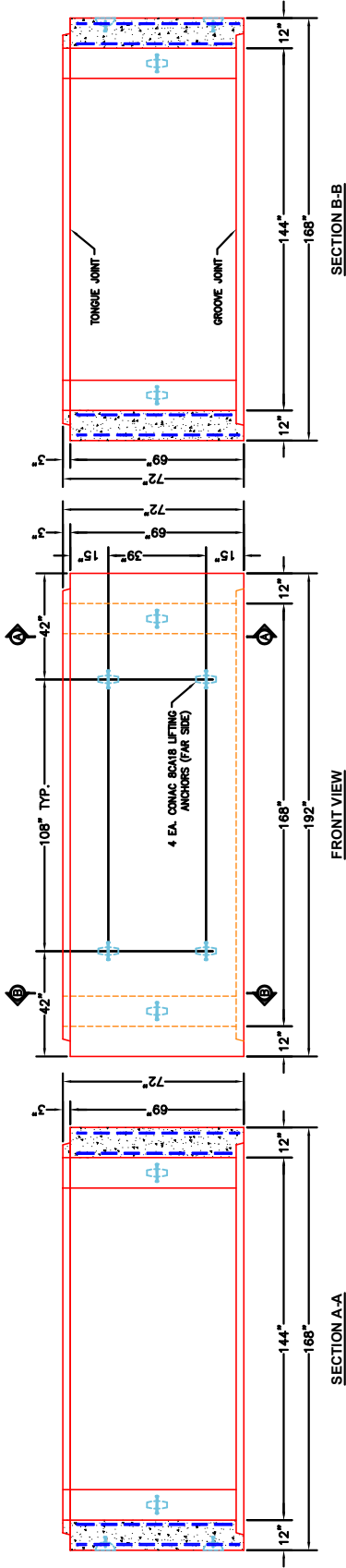
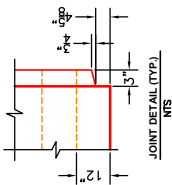
- NOTES:
- 1. BOX CULVERT IS DESIGNED PER ATTACHED PE STAMPED DRAWINGS & CALCULATIONS.
 - 2. LOAD REQUIREMENTS PER KY-HL93 (KY TABLE 1)
 - 3. COVER DEPTH = 15' - 0"
 - 4. CONCRETE: 5,000 PSI AT 28 DAYS.
 - 5. REINFORCING: AS SHOWN BY MATT CHILDS ENGINEERING.
 - 6. BOX CULVERT TO BE SEALED WITH CS-102 ROLL BUTYL MASTIC & CS-212 12" WRAP. (SUPPLIED BY ICAST).
 - 7. WEIGHT: 48,363 LBS.



TOP VIEW



COMPONENT ISOMETRIC VIEW



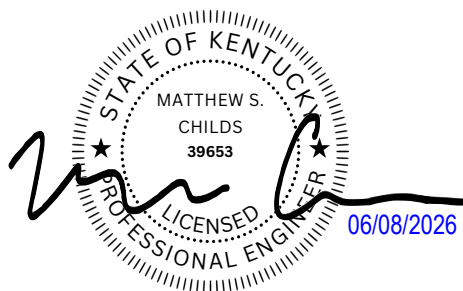
FRONT VIEW

SECTION B-B

SECTION A-A

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 12" Floor Height: 0"	Height (Int): 69" Height (Ext): 69"	Weight (Net): 48363 lb Volume (Net): 12.35cu.yd
----------------------------------	------------------------------------	---	--	--

Project: Mooch Road
Product: 14' x 12' Box Culvert
Job: 26-2254
Design No.:
Location: Wilder, KY
Reference #:



MATT CHILDS ENGINEERING, PLLC

Project : City of Wilder
Task : 14x12 15' Fill
Job No. :

Client: ICast
File: 20260605-ICast-CityofWilder-14x12(15'Fill).etcx

Sht ____ of ____
By:MBJ
Ck:
6/5/2026 4:35:08 PM
p. 1 of 2

Spec.: LRFD 9th ed.
Type of Culvert: Precast

Physical Dimensions

Clear Span:	14'-0"
Clear Height:	12'-0"
Top Slab:	1'-0"
Bottom Slab:	1'-0"
Ext. Wall:	1'-0"
Fill Depth:	15.00 ft
Length:	4'-0"
Skew Angle:	0.00 deg
Bottom Slab Support:	Full Slab
Top Haunch, Width:	1'-0"
Top Haunch, Height:	1'-0"
Bottom Haunch, Width:	1'-0"
Bottom Haunch, Height:	1'-0"

Material Properties

Concrete	
Strength, f _c :	5.000 ksi
Density:	0.150 kcf
Elasticity, E _c :	3834 ksi
Type:	Normal wt
Steel	
Yield, f _y :	65 ksi
Allow Stress:	39 ksi
Elasticity, E _s :	29000 ksi
Soil	
Density:	0.120 kcf
Exposure Factor	
Class 2 Exposure	
Reinforcement Covers	
Ext. Cover Top Slab:	1"
Ext. Cover Bottom Slab	1"
Ext. Cover Walls	1"
Int. Cover Walls	1"
Int. Cover Top Slab	1"
Int. Cover Bottom Slab	1"

Controlling Ratings

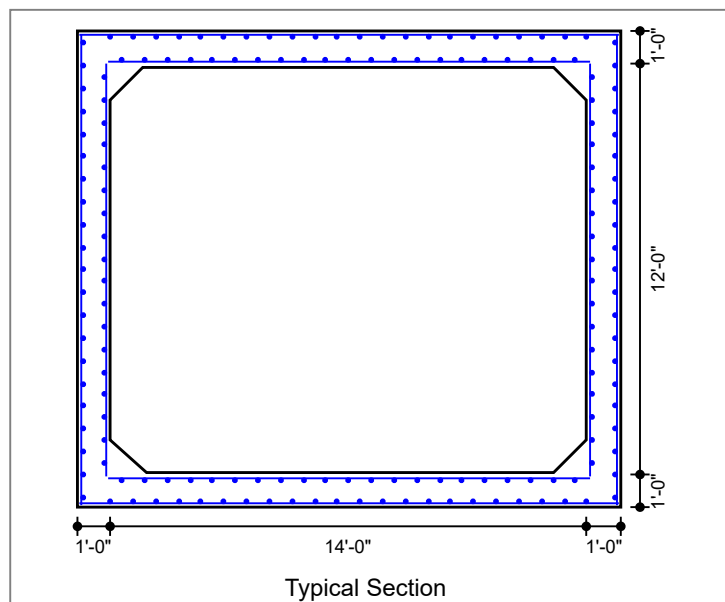
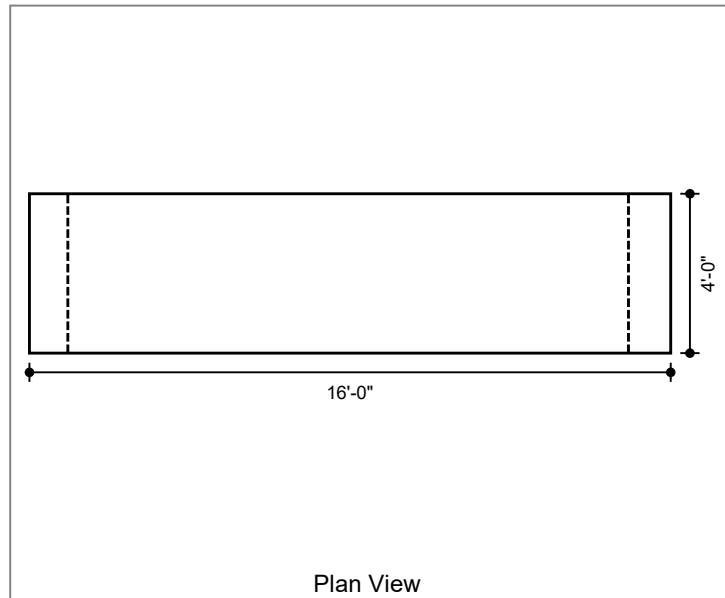
Inventory Rating: 5.85
Operating Rating: 7.59

Loads

Live Load	
Vehicle Names:	HL-93
Traffic Direction:	Parallel
Eq. Height of Soil:	2.00 ft (Calc'd)
Dead Load	
Future Wearing Surface:	0.000 klf
Additional Dead Load:	0.000 klf
Concentrated Loads:	none

Lateral Soil Loads	
Eq. Fluid Press. Max:	60.00 pcf
Eq. Fluid Press. Min:	30.00 pcf

Interior Water Pressure:	yes, head pressure = 0 ft
Exterior Water Pressure:	no



MATT CHILDS ENGINEERING, PLLC

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

File: 20260605-ICast-CityofWilder-14x12(15'Fill).etcx

Sht ____ of ____

By:MBJ

Ck: _____

6/5/2026 4:35:09 PM

p. 2 of 2

Concrete Summary

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

Reinforcing Steel Bar Schedule (lb)

Location	Mark	Sheets Included	As Provided
Top Slab(Int)	A100 (AS2)	Top	1.200
Bot Slab(Int)	A200 (AS3)	Bot	1.290
Top Slab(Ext)	A300 (AS7)	Top	0.300
Bot Slab(Ext)	A400 (AS8)	Bot	0.300
Corner(Top)	A1 (AS1)	Top	0.780
Corner(Bot)	A2 (AS1)	Bot	0.780
Wall(Int)	B1 (AS4)	L&R	0.300
Wall(Ext)	B2 (AS1)	L&R	0.780
Longit. Top (Int)	C100 (AS5)	Top	0.150
Longit. Bot (Int)	C200	Bot	0.150
Longit. Top (Ext)	C1 (AS6)	Top	0.150
Longit. Bot (Ext)	C1 (AS6)	Bot	0.150
Longit. Wall (Ext)	C1 (AS6)	L&R	0.150
Longit. Wall (Int)	C1 (AS6)	L&R	0.150

Job Name: 24-1643B - KYTC McCracken Co. Call 200 (ID 241301)
Job Location: Paducah, KY
Contractor: Jim Smith Contracting Co, LLC

Plant: 100

5/28/2026 7:52:50 AM

Tech: J. Horsley

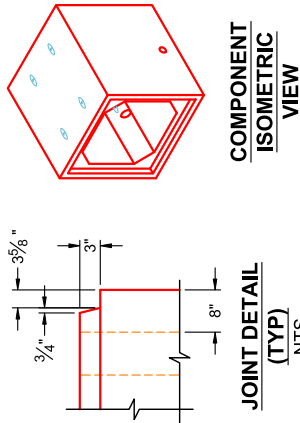
PC: C. Goff



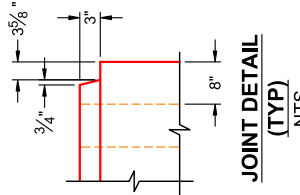
Structure ID: St. 45+00 (PC 12)

P1 BC048048-08WLF-9H

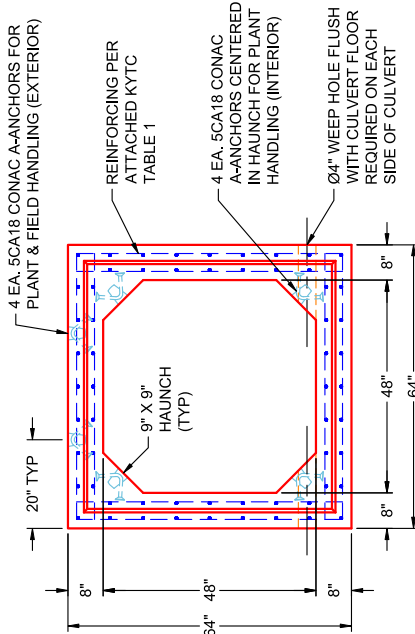
BOX CULVERT (08W/08F/08T) G/T



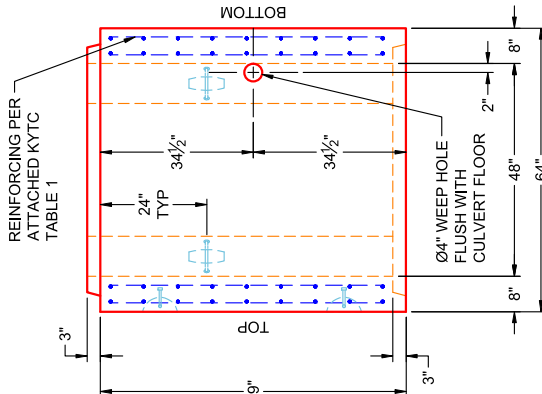
COMPONENT
ISOMETRIC
VIEW



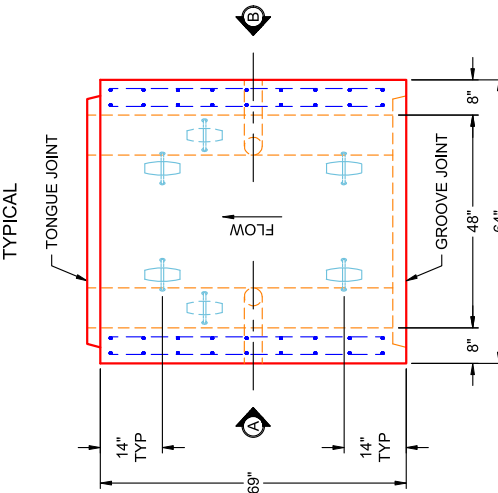
JOINT DETAIL
(TYP)
NTS



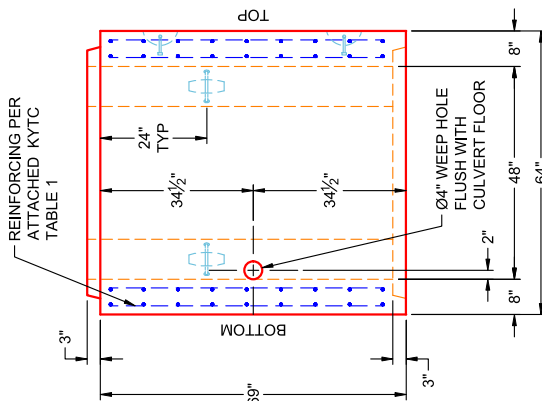
END VIEW
TYPICAL



VIEW B
PC 12
(UPRIGHT IN MOLD)



PLAN VIEW
PC 12
(UPRIGHT IN MOLD)



VIEW A
PC 12
(UPRIGHT IN MOLD)

GENERAL NOTES:

- PER SECTION 605 OF KYTC STANDARD SPECS FOR ROAD & BRIDGE CONSTRUCTION
- KYTC STAMP REQUIRED
- WEEP HOLES REQUIRED
- LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
- REINFORCEMENT PER ATTACHED KYTC TABLE 1
- COVER DEPTH: 0' - 7'
- CONCRETE: 5,000 PSI AT 28 DAYS
- JOINT SEALANT: 1" BUTYL MASTIC (CS-102)
EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
- WEIGHT: 4' X 4' RCBC = 1,968 LBS / LF
(5-9" LONG SECTION = 11,314 LBS)

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

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

PRODUCT I.D.: BC048048-08WLF-9H

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 11,314 LBS

TOP SECTION JOINT: TONGUE

BASE SECTION JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 48" X 48" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)

CUSTOMER: JIM SMITH CONTRACTING

PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)

STRUCTURE: ST. 45+00 (PC 12)

ORDER NO: 24-1643B

PE: J.H. ROSS

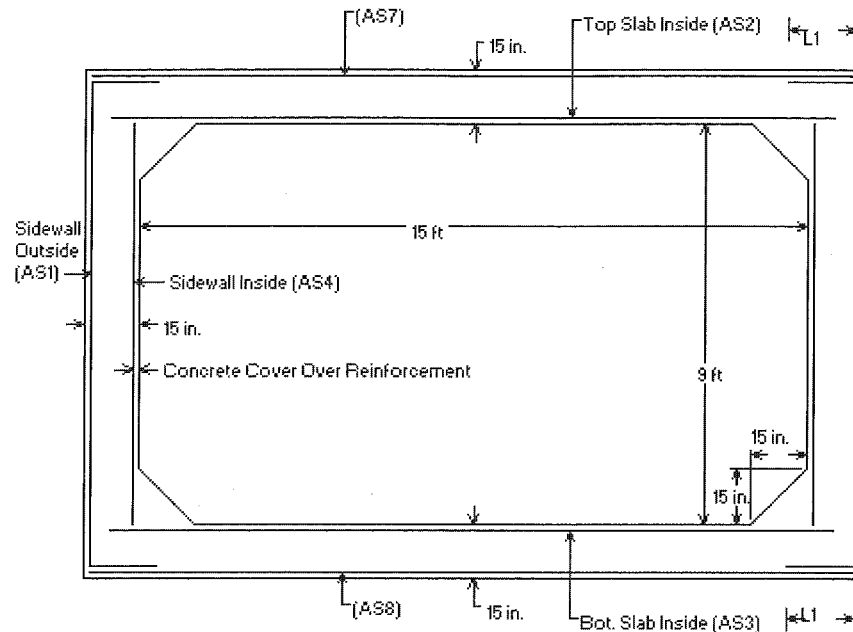
DRAWING: K. CARDWELL

DATE: 05/28/26

SCALE: NTS

PG. 1 OF 1

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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
4x3x5	0<2*	0.18	0.705	0.199	0.12	0.18	0.144	0.18	0.18
	2<3	0.198	0.309	0.27	0.12	0.12	0.12		
	3-5	0.123	0.191	0.193	0.12	0.12	0.12		
	10	0.12	0.142	0.146	0.12	0.12	0.12		
	15	0.12	0.193	0.197	0.12	0.12	0.12		
	20	0.152	0.249	0.253	0.12	0.12	0.12		
	25	0.187	0.306	0.31	0.12	0.12	0.12		
	30	0.225	0.366	0.37	0.12	0.12	0.12		
	35	0.263	0.428	0.432	0.12	0.12	0.12		

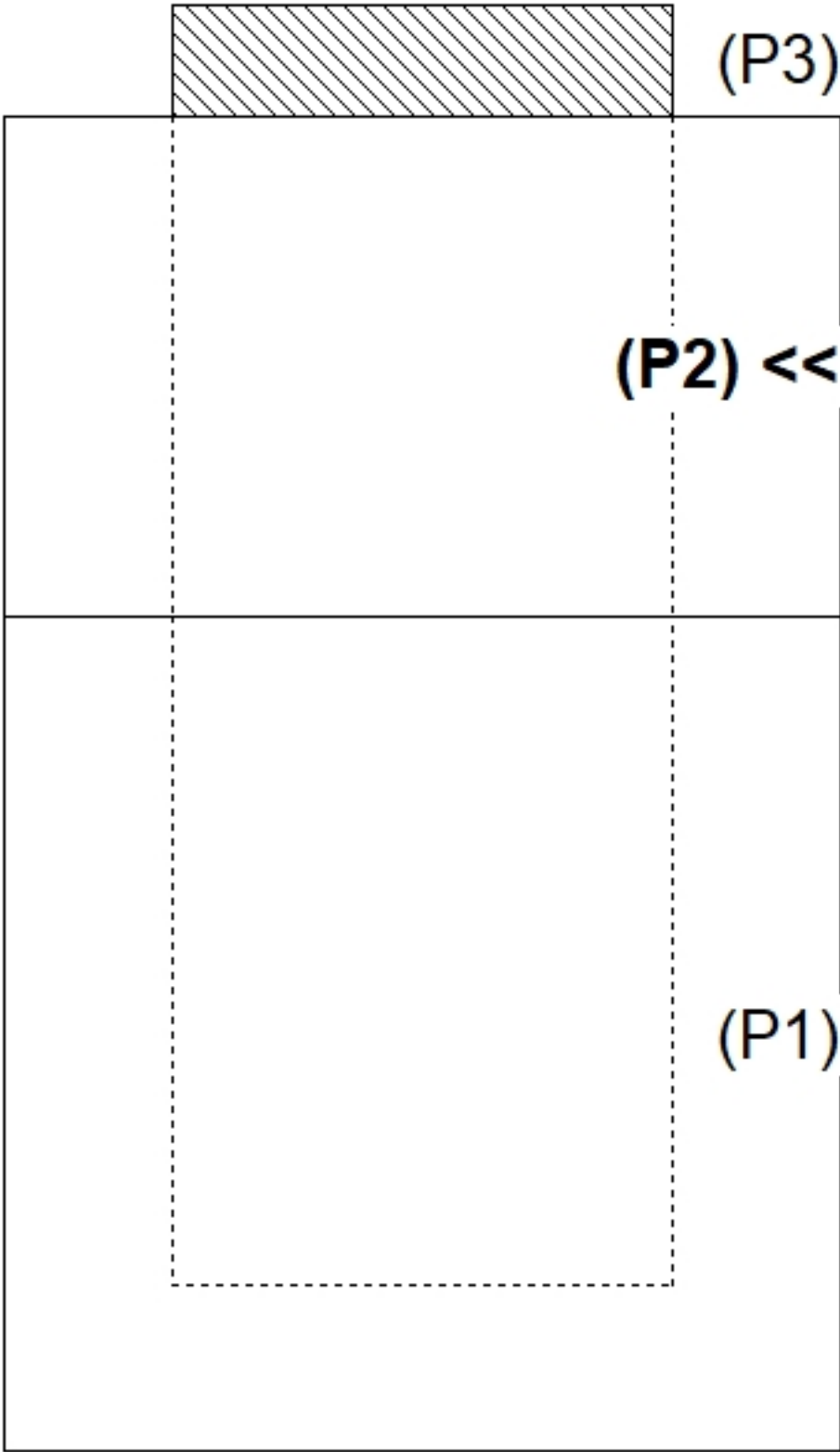
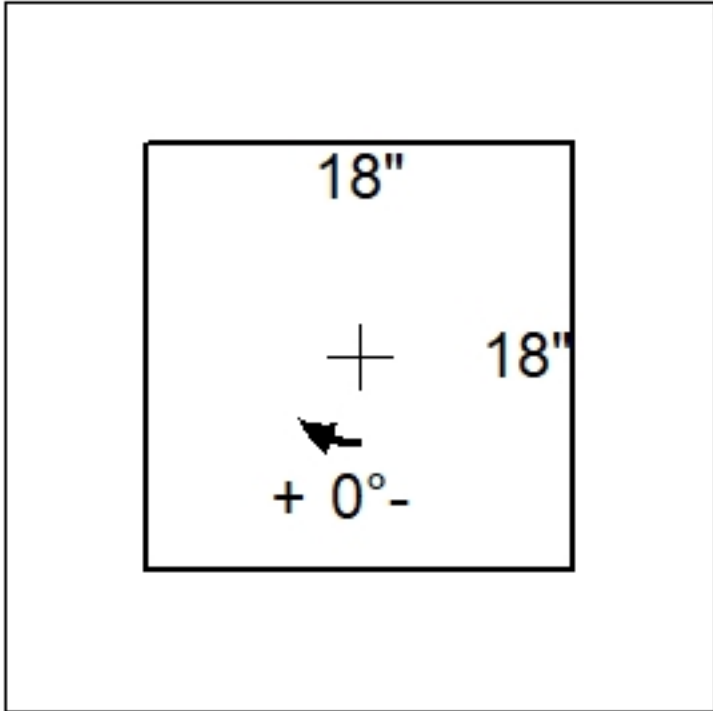
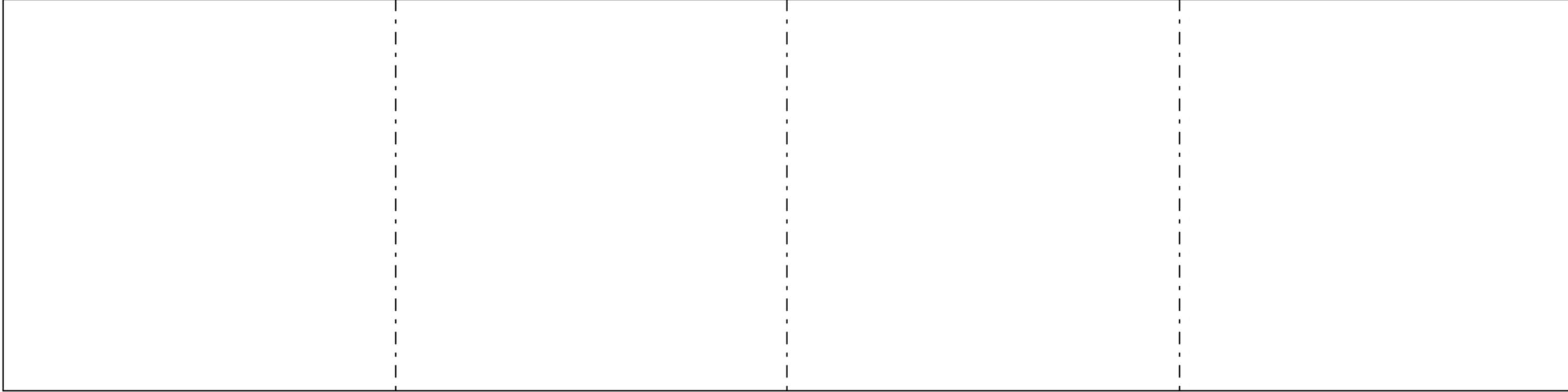
*top slab 7.5", bottom slab 6"

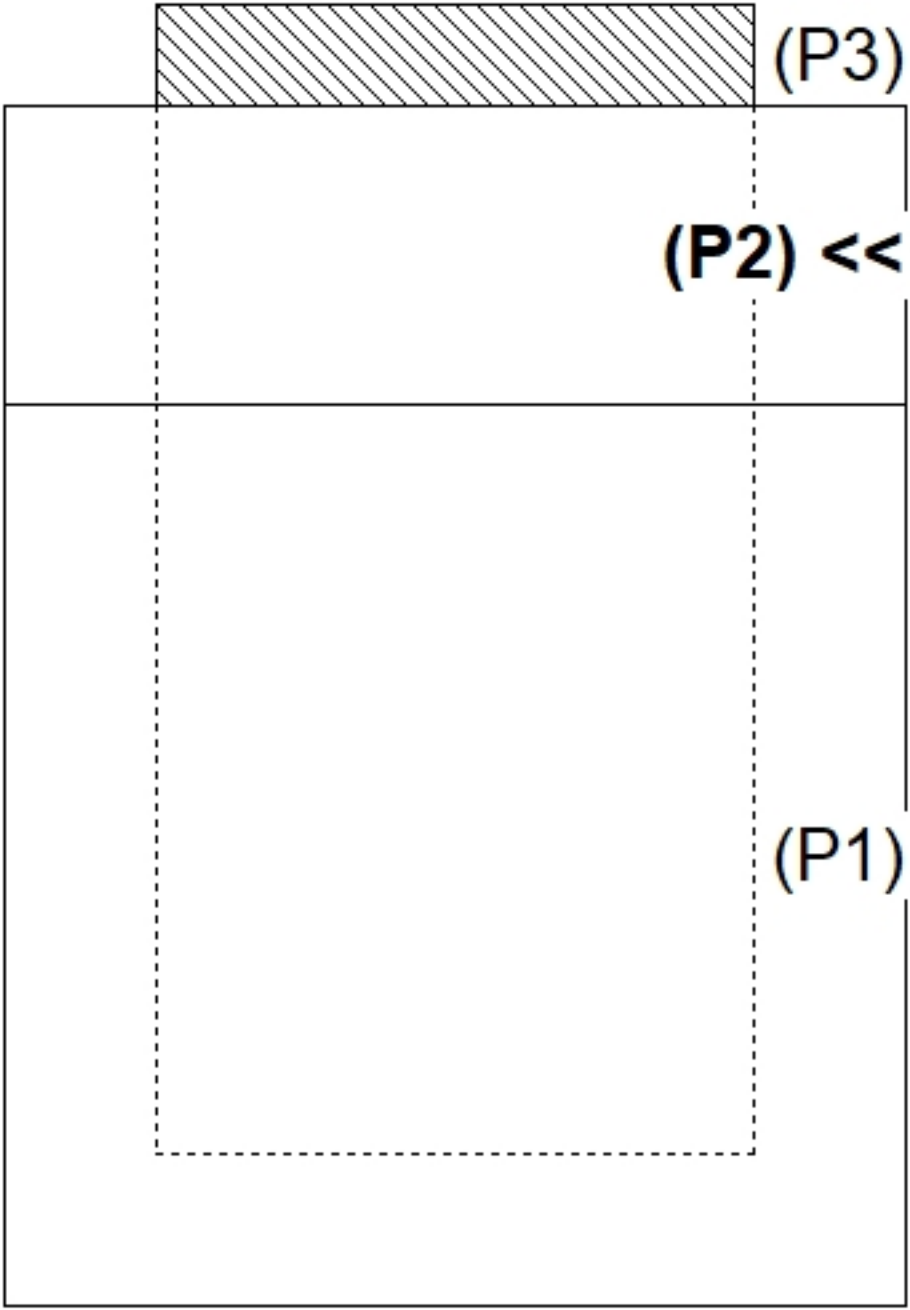
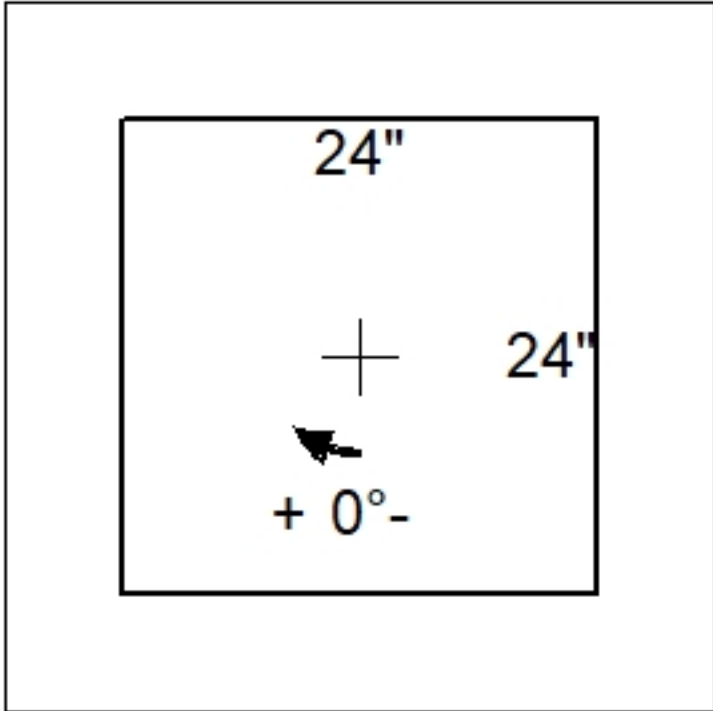
Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
4x4x5	0<2*	0.18	0.745	0.22	0.12	0.18	0.144	0.18	0.18
	2<3	0.154	0.314	0.276	0.12	0.12	0.12		
	3-5	0.12	0.215	0.219	0.12	0.12	0.12		
	10	0.12	0.155	0.162	0.12	0.12	0.12		
	15	0.12	0.21	0.217	0.12	0.12	0.12		
	20	0.124	0.269	0.276	0.12	0.12	0.12		
	25	0.152	0.331	0.339	0.12	0.12	0.12		
	30	0.182	0.396	0.403	0.12	0.12	0.12		
	35	0.213	1.205	0.471	0.12	0.12	0.12		

*top slab 7.5", bottom slab 6"

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
5x3x6	0<2*	0.192	0.726	0.201	0.144	0.6	0.168	0.192	0.192
	2<3	0.224	0.288	0.232	0.144	0.144	0.144		
	3-5	0.16	0.205	0.19	0.144	0.144	0.144		
	10	0.144	0.164	0.168	0.144	0.144	0.144		
	15	0.174	0.224	0.228	0.144	0.144	0.144		
	20	0.223	0.288	0.292	0.144	0.144	0.144		
	25	0.276	0.354	0.359	0.144	0.144	0.144		
	30	0.331	0.423	0.427	0.144	0.144	0.144		
	35	0.389	1.349	1.168	0.144	0.144	0.144		

*top slab 8", bottom slab 7"

Job Name: 26-2119 512 W Kingston Ave MSD Job Location: Louisville, KY Contractor: TRC, LLC					Plant: Beaver Dam 7/16/2026 3:43:37 PM		Tech: S. Felletter PC: T. Lewis				
Structure ID: QL3 ST-CB 1											
P2		BX1818-06R18			BOX RISER 6inW F/F						
P3) 18" x 18" - CASTING HEIGHT - 4" P2) 18" x 18" - BOX RISER 6inW F/F - 18" P1) 18" x 18" - KNOCKOUT BASE 6"W/F - STOCK F/n - 24" 1) CASTING - HOE 165A F/G 2) 18" x 18" - Conseal CS-102 1.00"						0 lb 870 lb 1613 lb 138 lb 0 lb ----- 2621 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 165-A 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: 3.833' Rim to Invert: 0' Slack: 0" Sump: 46" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (┘)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
(P2)		FrontRight (18")Back (18")Left				EXT 18"					
											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 18" Height (Ext): 18"		Weight (Net): 870 lb Volume (Net): 0.22cu.yd	

Job Name: 26-2119 512 W Kingston Ave MSD Job Location: Louisville, KY Contractor: TRC, LLC					Plant: Beaver Dam 7/16/2026 3:43:37 PM		Tech: S. Felletter PC: T. Lewis				
Structure ID: QL2 ST-CB 2											
P2		BX2424-06R12		BOX RISER 6inW F/F							
P3) 24" x 24" - CASTING HEIGHT - 4" P2) 24" x 24" - BOX RISER 6inW F/F - 12" P1) 24" x 24" - KNOCKOUT BASE 6"W/F - STOCK F/n - 30" 1) CASTING - HOE 280T F/G 2) 24" x 24" - Conseal CS-102 1.00"						0 lb 725 lb 2465 lb 182 lb 0 lb ----- 3372 lb Structure Total:		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 280T F/G). . REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.			
Rim: 3.833'		Rim to Invert: 0'		Slack: 0"		Sump: 46"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌵)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
(P2)		Front Right (24") Back (24") Left EXT 12"									
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 12" Height (Ext): 12"		Weight (Net): 725 lb Volume (Net): 0.18cu.yd	

Job Name: 26-2119 512 W Kingston Ave MSD Job Location: Louisville, KY Contractor: TRC, LLC					Plant: Beaver Dam 7/16/2026 3:43:36 PM		Tech: S. Felletter PC: T. Lewis				
Structure ID: QL2 ST-CB 1											
P2		BX2424-06R12		BOX RISER 6inW F/F							
P3) 24" x 24" - CASTING HEIGHT - 4" P2) 24" x 24" - BOX RISER 6inW F/F - 12" P1) 24" x 24" - KNOCKOUT BASE 6"W/F - STOCK F/n - 30" 1) CASTING - HOE 280T F/G 2) 24" x 24" - Conseal CS-102 1.00"						0 lb 725 lb 2465 lb 182 lb 0 lb ----- 3372 lb Structure Total:		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 280T F/G). . REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.			
Rim: 3.833'		Rim to Invert: 0'		Slack: 0"		Sump: 46"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (┘)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) (P3) (P2) << (P1) 24" + 24" + 0°-											

INSIDE WALL DIMENSIONS

(P2)

Front

Right (24")

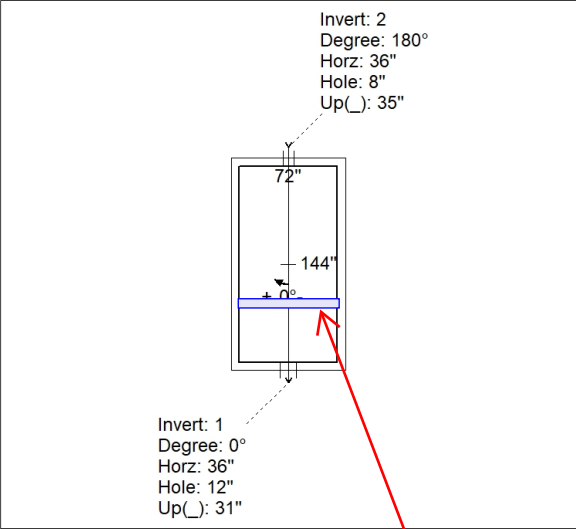
Back (24")

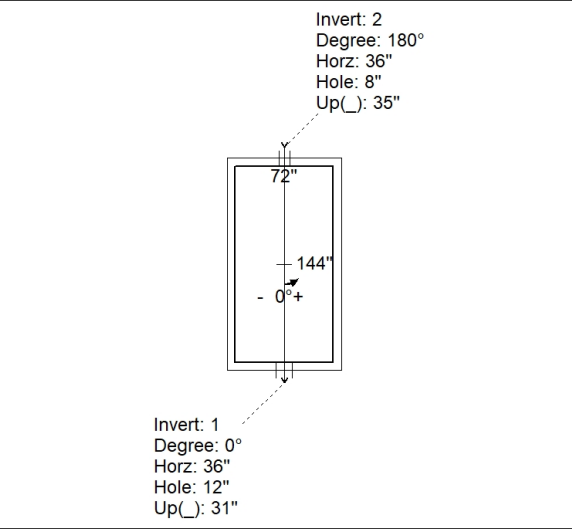
Left

EXT

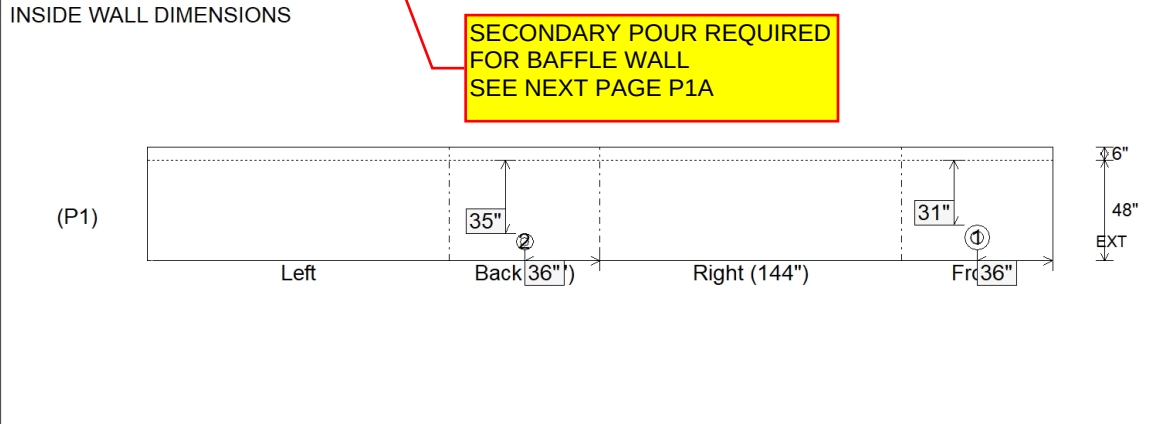
12"

Job Name: 26-2260 - Bowling Green JR High School Job Location: Bowling Green, KY Contractor: Scott & Ritter, Inc.				Plant: 100 7/15/2026 1:37:25 PM		Tech: J. Horsley PC: M. Sullivan				
Structure ID: QL7 GT1500										
P1 BX072144-06W06F-VF				BOX BASE 6inW, 6inF, Variable Ht F/n						
P3) 24" - CASTING HEIGHT - 7" P2) 72" x 144" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8" P1) 72" x 144" - BOX BASE 6inW, 6inF, Variable Ht F/n - 48" 1) 72" x 46" - BAFFLE WALL (GT-1500 GAL.) - 4" 1) 72" x 144" - Conseal CS-102 1.00" 1) PSX - 12-06 DD 1) PSX - 8QRS DD						0 lb 8190 lb 17535 lb 1073 lb 0 lb 8 lb 6 lb ----- Structure Total: 26813 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO FLOW CHANNEL. 4. HOE MC-315 F/C - SHIPPED LOOSE. 5. SECONDARY POUR REQ'D - BAFFLE WALL. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .47) #5 BARS AT 8" C.C.E.W. - WALLS (As .47) #5 BARS AT 8" C.C.E.W. - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.		
Rim: 5.25' Rim to Invert: 2.417' Slack: 0" Sump: 34" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	2.833'	0°	42"	6" PVC SDR35	6.25"	PSX 12-06 DD	12"	12"	31"	0"
Invert 2	3.083'	180°	42"	4" PVC SDR35	4.25"	PSX 8QRS DD	8"	8"	35"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										





INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 48" Height (Ext): 54"	Weight (Net): 17535 lb Volume (Net): 4.48cu.yd
----------------------------------	-------------------------------	--	--	---

Job Name: 26-2260 - Bowling Green JR High School
Job Location: Bowling Green, KY
Contractor: Scott & Ritter, Inc.

Plant: 100

Tech: J. Horsley

7/15/2026 1:55:25 PM

PC: M. Sullivan



Structure ID: QL7 GT1500

P1A BX072144-06W06F-VF

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

- P3) 24" - CASTING HEIGHT - 7"
P2) 72" x 144" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"
P1) 72" x 144" - BOX BASE 6inW, 6inF, Variable Ht F/n - 48"
1) 72" x 46" - BAFFLE WALL (GT-1500 GAL.) - 4"
1) 72" x 144" - Conseal CS-102 1.00"
1) PSX - 12-06 DD
1) PSX - 8QRS DD

0 lb
8190 lb
17535 lb
1073 lb
0 lb
8 lb
6 lb

26813 lb

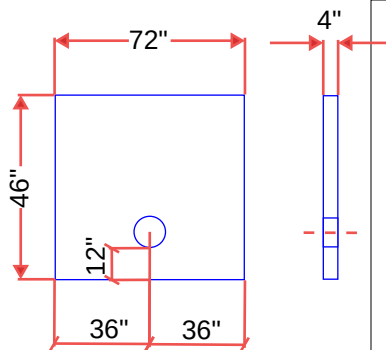
Structure Total:

Structure Notes: 1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO FLOW CHANNEL.
4. HOE MC-315 F/C - SHIPPED LOOSE.
5. SECONDARY POUR REQ'D - BAFFLE WALL.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .47) #5 BARS AT 8" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

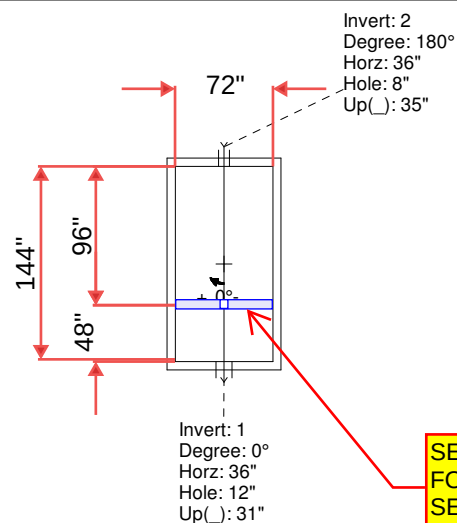
Rim: 5.25' Rim to Invert: 2.417' Slack: 0" Sump: 34" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	2.833'	0°	42"	6" PVC SDR35	6.25"	PSX 12-06 DD	12"	12"	31"	0"
Invert 2	3.083'	180°	42"	4" PVC SDR35	4.25"	PSX 8QRS DD	8"	8"	35"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

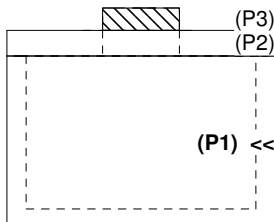
RIGHT-SIDE UP VIEW (int. dimensions) - - SECONDARY POUR



BAFFLE WALL

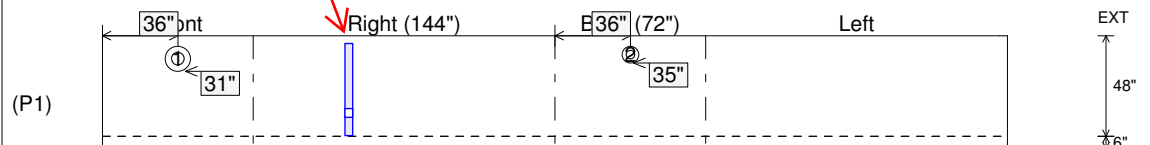


**SECONDARY POUR
FOR BAFFLE WALL
SEE DETAIL**



INSIDE WALL DIMENSIONS

**2" AIR GAP
ABOVE BAFFLE WALL**



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 48"
Height (Ext): 54"

Weight (Net): 17535 lb
Volume (Net): 4.48cu.yd

Job Name: 26-1852 - Oakland City CCMG Job Location: Oakland City, IN Contractor: SAMM Trucking & Excavating, Inc.							Plant: 100 7/15/2026 12:46:33 PM		Tech: J. Horsley PC: J. Jarvis			
Structure ID: QL6 INJ10 RT - Mill & Jackson Street												
P1		BX2436-06W08F-BAVF			BOX BASE 6inW, 8inF, Variable Ht F/n							
P2) 24" x 36" - CASTING HEIGHT - 8" P1) 24" x 36" - BOX BASE 6inW, 8inF, Variable Ht F/n - 29" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 20							0 lb 2815 lb 0 lb 0 lb ----- Structure Total: 2815 lb		Structure Notes: 1. INDOT INLET TYPE J / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING (HOE R-3827-10V F/G/H) SUPPLIED BY ICAST. 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: 3'		Rim to Invert: 3'		Slack: 0.296"		Sump: 1.296"		Step Position:				
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	0'	225°	34.875"	15" HDPE	17.6"	Hole 20	20"	15.213", 13.071"	0"	-5"		
Invert 2	0'	315°	1.125"	15" HDPE	17.6"	Hole 20	20"	15.213", 13.071"	0"	5"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												
RIGHT-SIDE UP VIEW (int. dimensions)						UPSIDE-DOWN VIEW (int. dimenions)						
INSIDE WALL DIMENSIONS												
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 6" Floor Height: 8"		Height (Int): 29" Height (Ext): 37"		Weight (Net): 2815 lb Volume (Net): 0.72cu.yd			

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

Plant: 100

6/30/2026 2:45:57 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 606

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT - 10"
P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT - 18"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 33"
1) CASTING - HOE KY-206 F/C (KY TY1)
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 20
2) Hole - 8

Structure Notes:

- ** KYTC STATE PROJECT **
1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST.
2. CONCRETE = 4,000 PI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

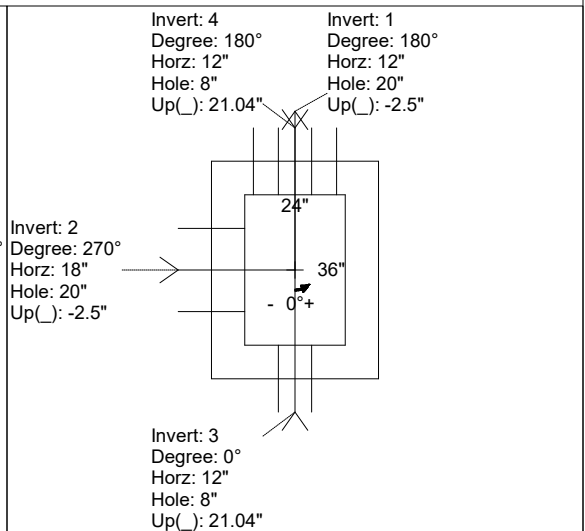
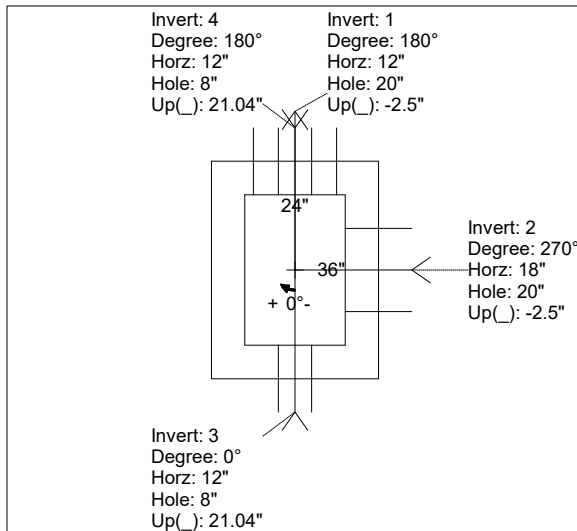
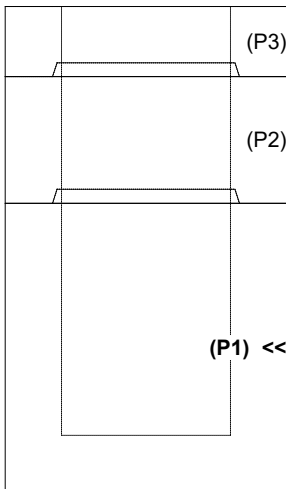
Structure Total: 3398 lb
5270 lb
4274 lb
206 lb
0 lb
0 lb
0 lb
13148 lb

Rim: 933.86' Rim to Invert: 5.09' Slack: 0.08" Sump: 0" Step Position:

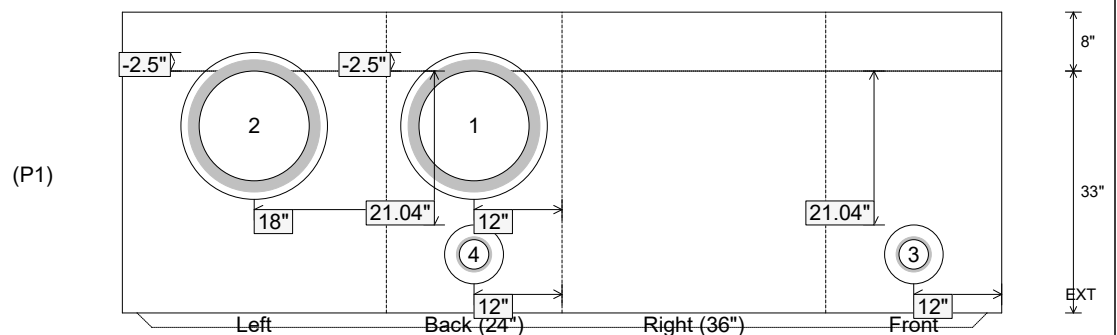
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	928.77'	180°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	928.77'	270°	26"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 3	930.69'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 4	930.69'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

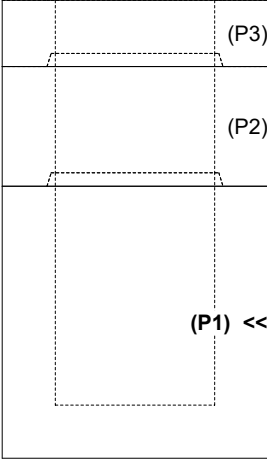
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 33"
Height (Ext): 41"

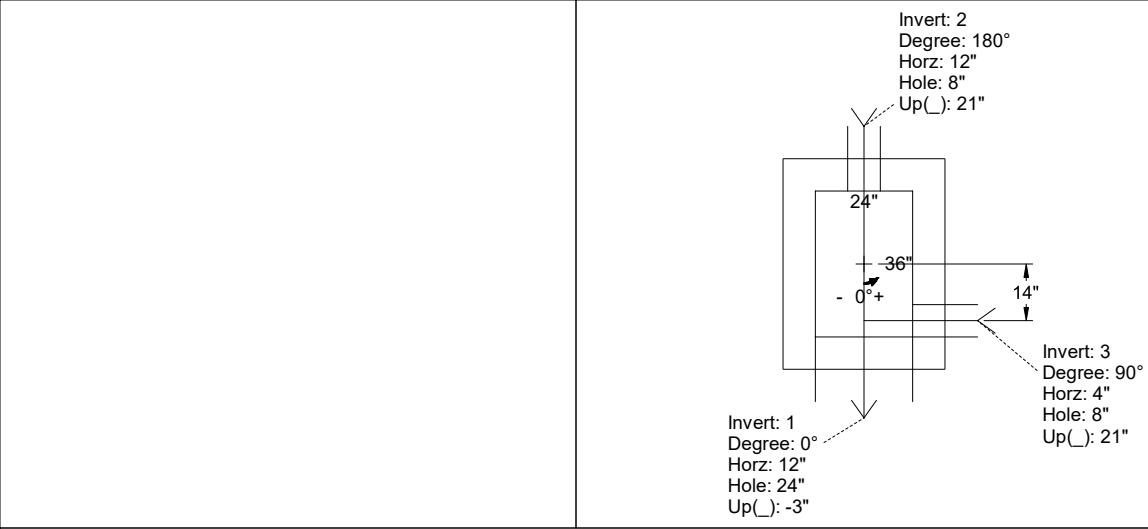
Weight (Net): 4274 lb
Volume (Net): 1.09cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt				Plant: 100 6/4/2026 4:50:52 PM		Tech: Jared - A PC: J. Jarvis					
Structure ID: 553											
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" 1) Hole - 24 2) Hole - 8				3400 lb 5270 lb 4536 lb 206 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 13411 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 3 OFFSET 14" FROM CENTER OF WALL					
Rim: 828.39'				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	823.3'	0°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	825.22'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"	
Invert 3	825.22'	90°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	-14"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



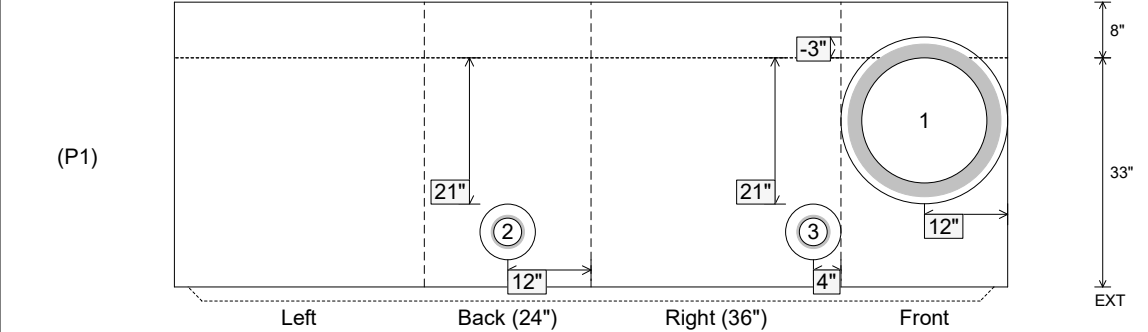
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Upside-down view (int. dimensions)

INSIDE WALL DIMENSIONS



(P1)

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): 4536 lb Volume (Net): 1.16cu.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 4:51:55 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 526

P1 BX2436-08BVF

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

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

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

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

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"

1) Hole - 20

2) Hole - 8

3398 lb

5270 lb

4144 lb

206 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 13018 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 3 OFFSET 14" FROM CENTER OF WALL

Rim: 835.65'

Rim to Invert: 4.75'

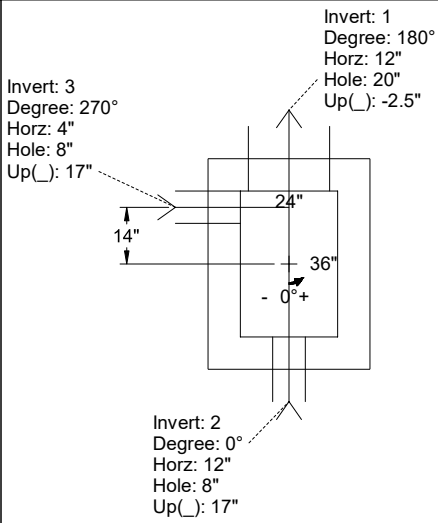
Slack: 0"

Sump: 0"

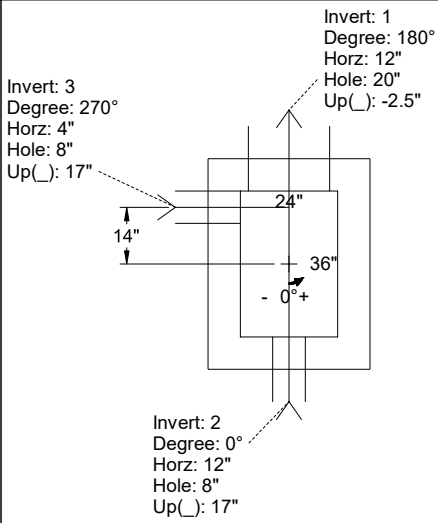
Step Position:

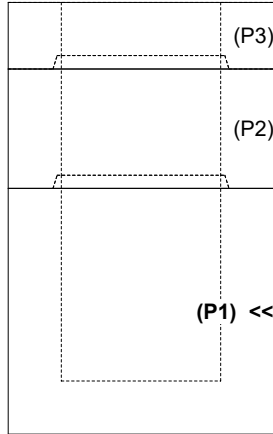
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	830.9'	180°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	832.48'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	17"	0"
Invert 3	832.48'	270°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	17"	-14"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

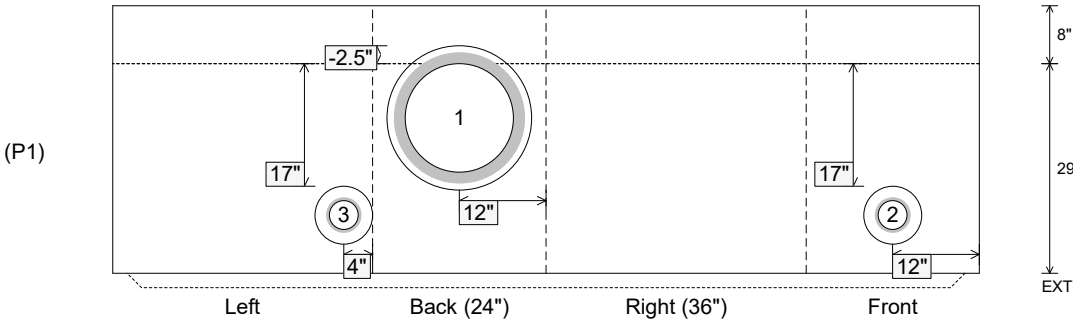


UPSIDE-DOWN VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 29"

Height (Ext): 37"

Weight (Net): 4144 lb

Volume (Net): 1.06cu.yd

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

Plant: Beaver Dam
6/1/2026 8:24:54 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-39

P2 BX3648-08R-VH

BOX RISER 8inW, Variable Ht

P4) 28" x 34" - CASTING HEIGHT - 7"
P3) 36" x 48" - BX FLAT LID 8"W - TDOT 12P (28"x34" Hole) - 10"
P2) 36" x 48" - BOX RISER 8inW, Variable Ht - 23"
P1) 36" x 48" - BOX BASE 8inW, 8inF - 48"
1) CASTING - JBS-3123 MODIFIED SET
2) 36" x 48" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
2) Hole - 26
1) Hole - 6

0 lb
2044 lb
3074 lb
7966 lb
250 lb
0 lb
0 lb
0 lb
0 lb

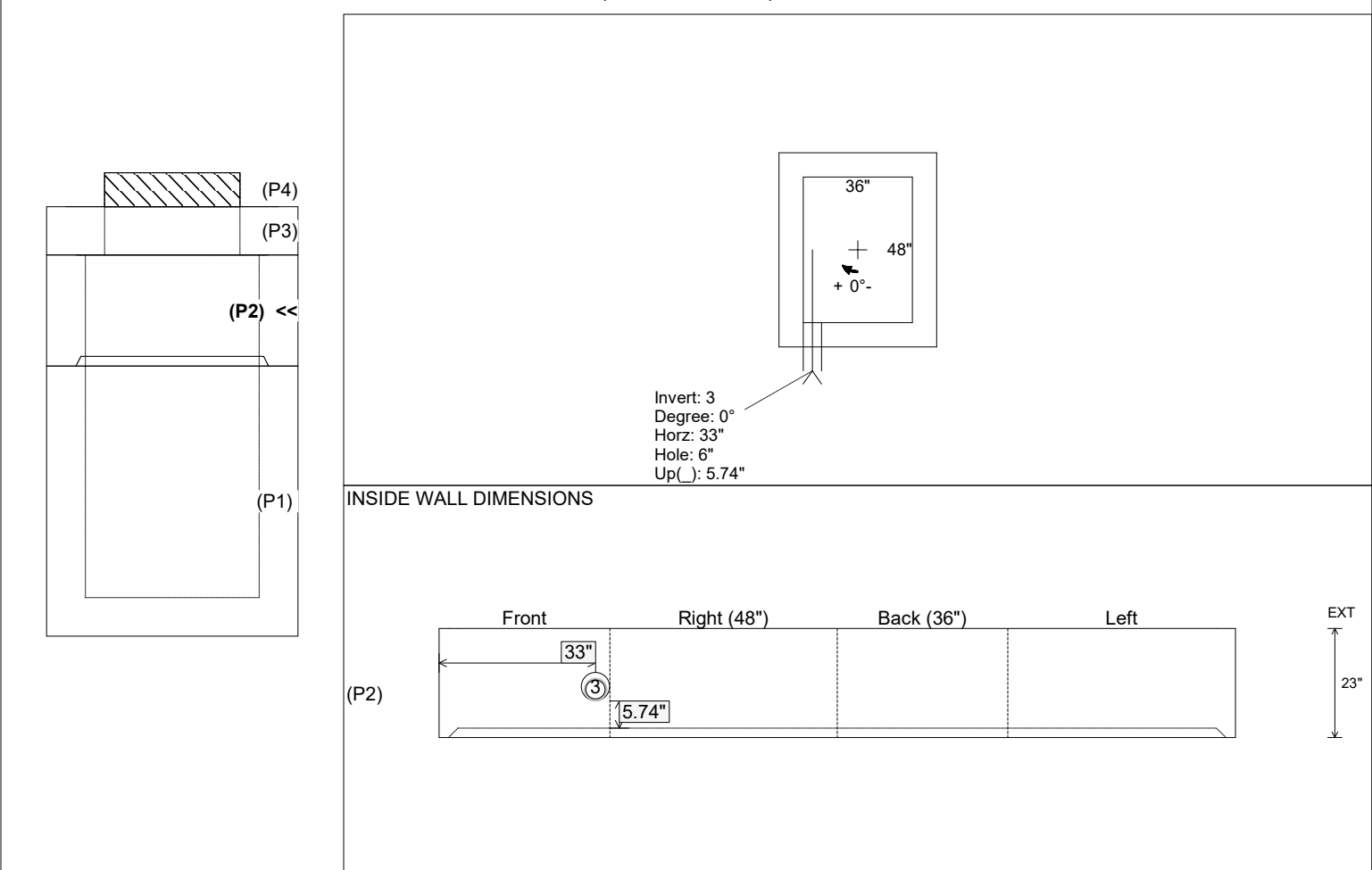
Structure Total: 13333 lb

Structure Notes:
1. PER TDOT D-CB-12S / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. JBS 3123 MOD SINGLE SET BY ICAST
5. REINFORCING PER ASTM A615 (GRADE 60).
** SEE TDOT STD DRAWING D-CB-12S **
- TOP SLAB - DBL MAT #5 BARS.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Rim: 813.65' Rim to Invert: 7.14' Slack: 0.18" Sump: 2.5" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3	810.98'	0°	41"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	5.74"	15"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 23" Height (Ext): 23"	Weight (Net): 3074 lb Volume (Net): 0.78cu.yd
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Job Name: 25-3062 Portland Bypass
Job Location: Portland, TN
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam
6/1/2026 8:23:10 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-36

P1 BX3232-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P2) 32" x 32" - CASTING HEIGHT - 7"
P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 35"
1) CASTING - JBS-3123 MODIFIED SET
1) 32" x 32" - Conseal CS-102 1.00"
1) Hole - 26
1) Hole - 6

- Structure Notes:
1. PER TDOT D-CB-12LP / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 3123 MOD SINGLE SET BY ICAST
4. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

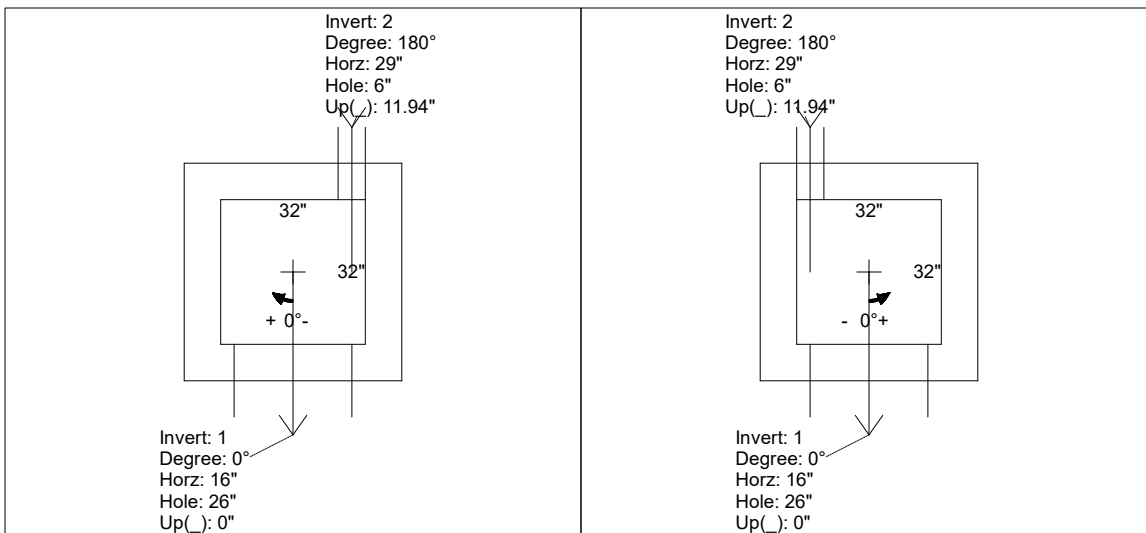
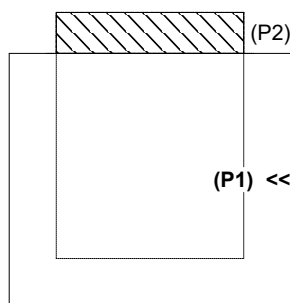
Structure Total: 5185 lb

Rim: 811.43' Rim to Invert: 3.32' Slack: 0.34" Sump: 2.5" Step Position:

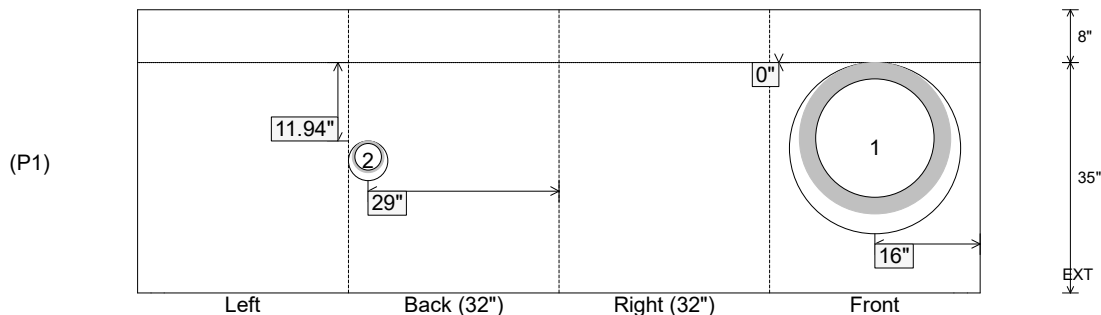
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	808.11'	0°	24"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2	808.93'	180°	37"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	11.94"	13"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



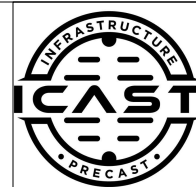
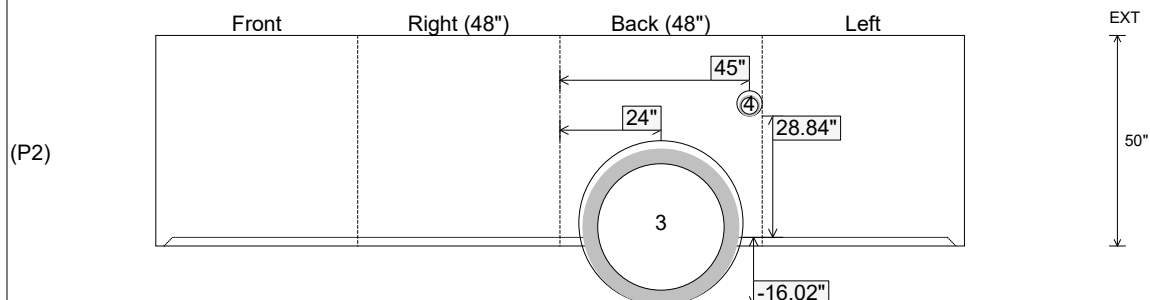
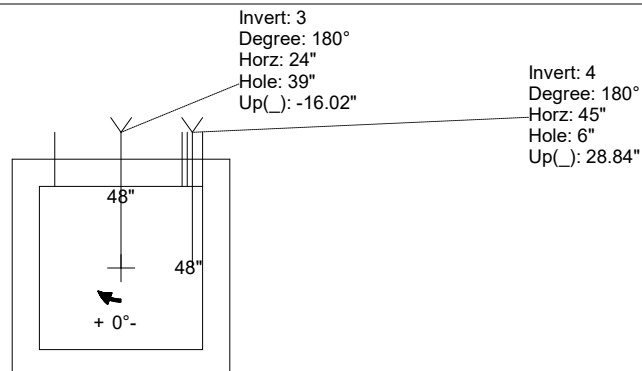
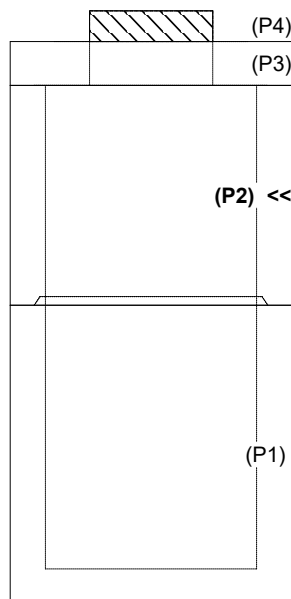
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 35"
Height (Ext): 43"

Weight (Net): 4935 lb
Volume (Net): 1.26cu.yd

[illegible]

Weight (Net): 6962 lb
Volume (Net): 1.78cu.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 4:44:40 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 57

P2 BX2430-08R30

BOX RISER 8inW F/G

P3) 24" x 30" - P.I.P. - BY OTHERS - 8"

P2) 24" x 30" - BOX RISER 8inW F/G - 30"

P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 31"

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

2) Hole - 24

1) Hole - 16

2) Hole - 4

0 lb

2668 lb

3693 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 6361 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI TYPE 16G / 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. HOE KY-230G FRAME & GRATE SUPPLIED BY OTHERS - POURED IN PLACE BY OTHERS

5. WET STICK #5 BAR @ 12" C.C. (GRADE 60) 12" OUT TOP OF RISER WALLS FOR FIELD POUR TIE-IN - 4" MIN. PENETRATION INTO WALLS

Rim: 551.84'

Rim to Invert: 5.75'

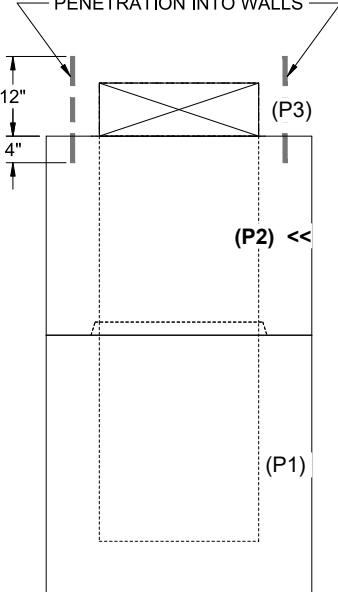
Slack: 0"

Sump: 0"

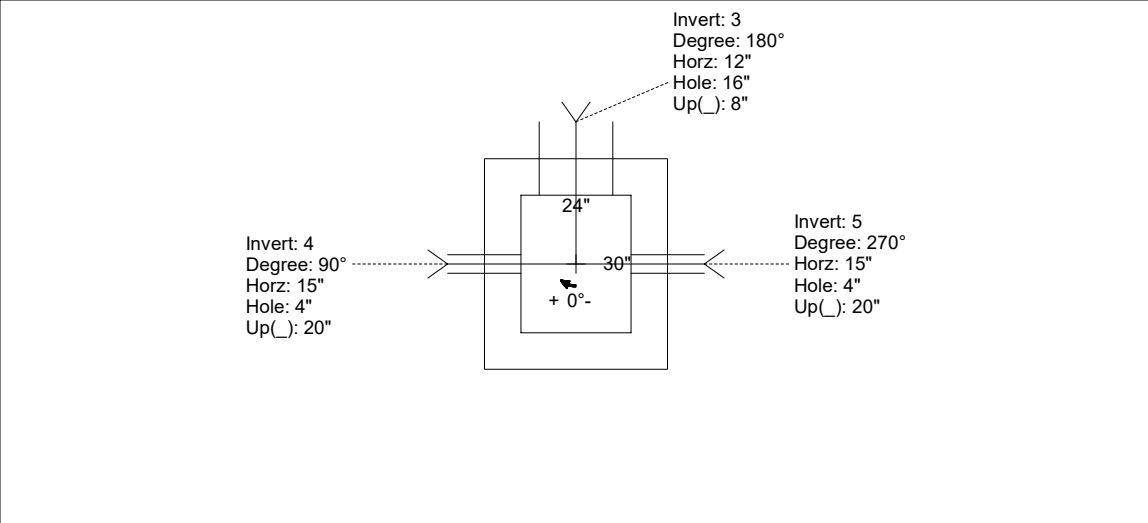
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2										
Invert 3	549.67'	180°	20"	12" CMP	13"	Hole 16	16"	16"	8"	0"
Invert 4	550.51'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	20"	0"
Invert 5	550.51'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	20"	0"
Invert 6										
Invert 7										
Invert 8										

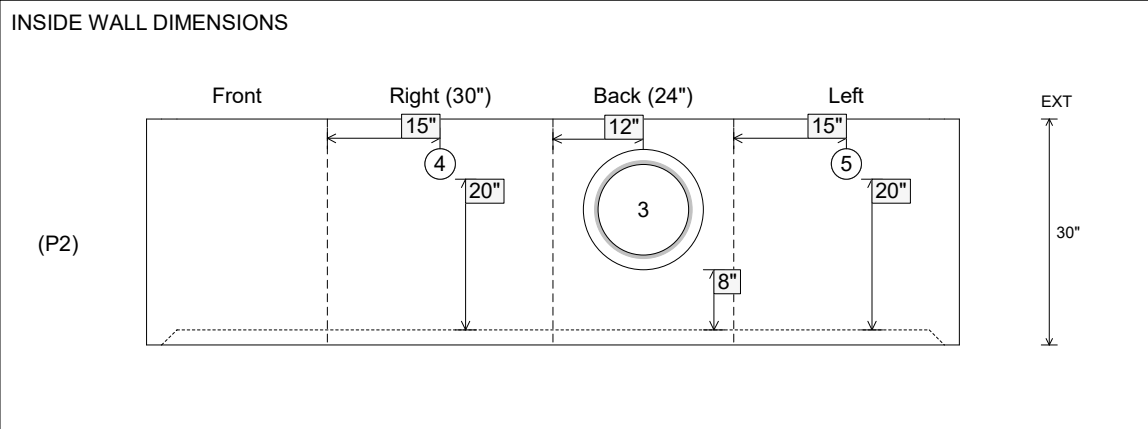
WET STICK 16" LONG #5 BAR @ 12" C.C. E.W. (GRADE 60) 12" OUT TOP OF RISER WALLS FOR FIELD POUR TIE-IN - 4" MIN. PENETRATION INTO WALLS



RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 8"

Floor Height: 0"

Height (Int): 30"

Height (Ext): 30"

Weight (Net): 2668 lb

Volume (Net): 0.68cu.yd

Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1
Job Location: Nashville, TN 37208
Contractor: Hayes Pipe Supply

Plant: 100

6/15/2026 10:58:57 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: B1 ST-CB

P1 BX2828-06BA48

BOX BASE 6inW, 6inF T/n

P3) 28" x 28" - CASTING HEIGHT - 6"
P2) 28" x 28" - BOX RISER 6inW F/G - 12"
P1) 28" x 28" - BOX BASE 6inW, 6inF T/n - 48"
2) 28" x 28" - Conseal CS-102 1.00"
1) Hole - 16
1) Hole - 14

0 lb
822 lb
3913 lb
0 lb
0 lb
0 lb

Structure Total: 4735 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 SUPPLIED BY OTHERS (JBS 4300 F/G).

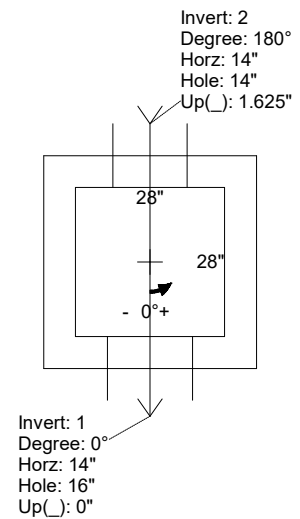
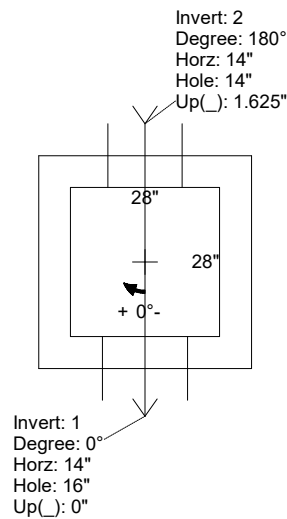
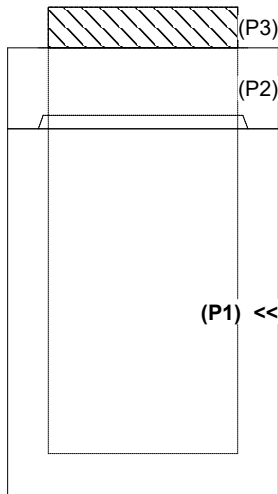
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 427.47' Rim to Invert: 5.56' Slack: 1.97' Sump: 1.25' Step Position:

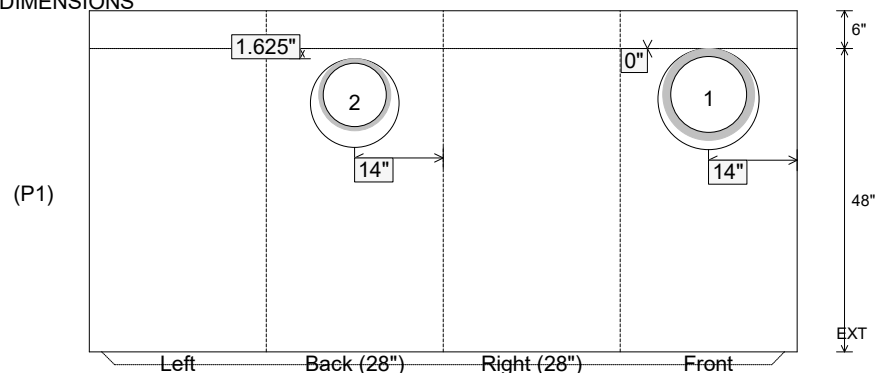
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	421.91'	0°	20"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 2	422'	180°	20"	10" HDPE	11.4"	Hole 14	14"	14"	1.625"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

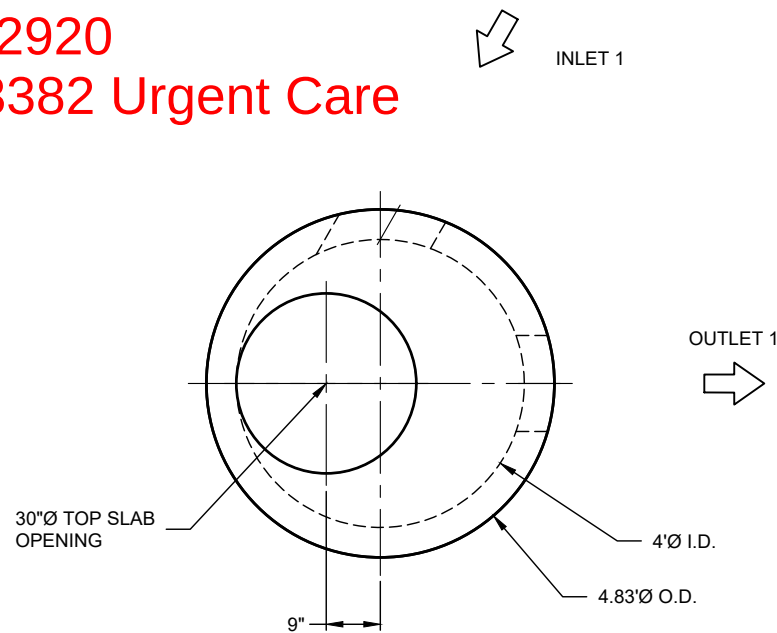
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 48"
Height (Ext): 54"

Weight (Net): 3913 lb
Volume (Net): 1cu.yd

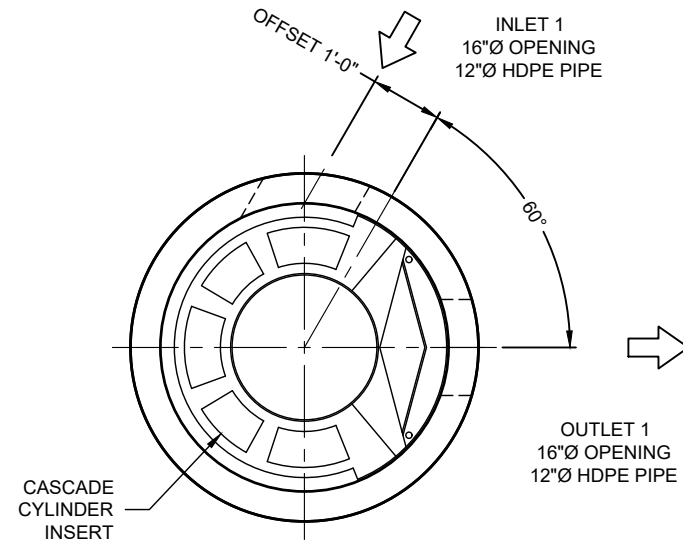
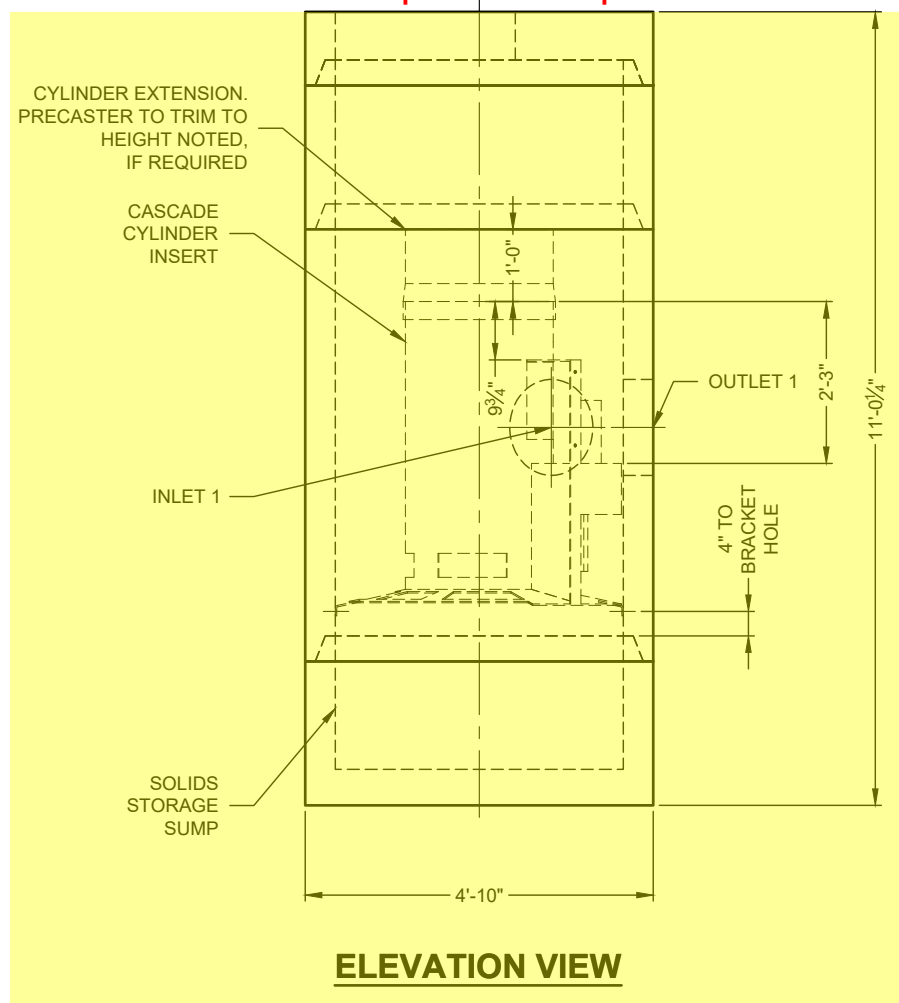
26-2920
853382 Urgent Care



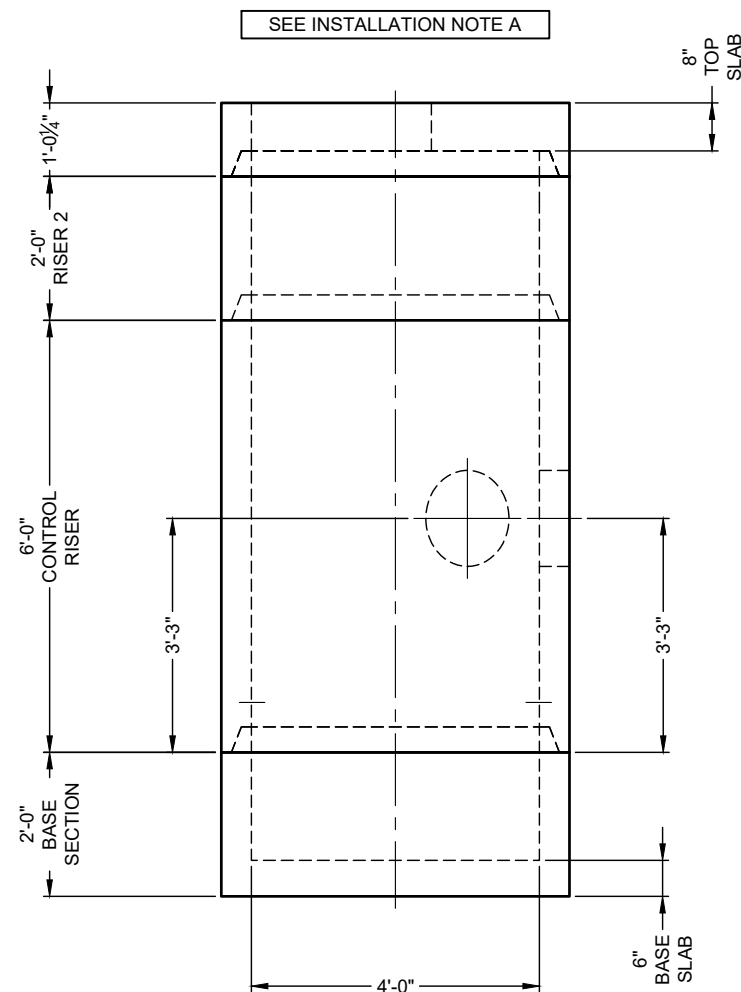
PLAN VIEW
INTERNALS NOT SHOWN

10-CS-4

ICAST to fully pre-assemble internal materials prior to shipment



PLAN VIEW FOR PIPE ORIENTATION
TOP SLAB NOT SHOWN



PRECAST COMPONENTS
INTERNALS NOT SHOWN

ICAST
5888 / 757440
LAYOUT 1A
5.55TS

MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-4 CYLINDER INSERT, STD.	325-003949	CONTECH	PRECASTER
4	CS-4 ALUMINUM INSTALLATION BRACKETS	325-003956	CONTECH	PRECASTER
1	CS-4 HARDWARE KIT	325-003955	CONTECH	PRECASTER
1	CS-4 FIBERGLASS CYLINDER EXTENSION, 1 FT.	325-003957	CONTECH	CONTRACTOR
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
1	30"Ø X 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR

GENERAL NOTES

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

INSTALLATION NOTES

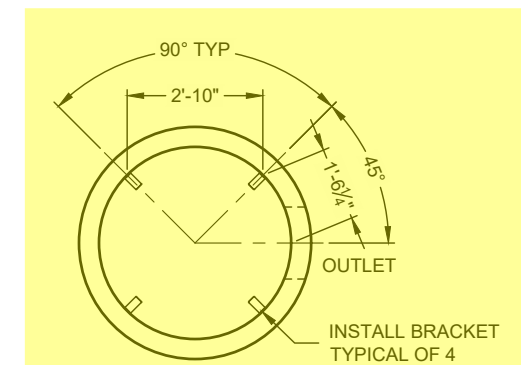
- A. PRECASTER TO SHIP ACCESS CASTINGS WITH STRUCTURE
- B. REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- C. PRECASTER TO INSTALL INTERNAL COMPONENTS PRIOR TO SHIPPING UNLESS INSTRUCTED OTHERWISE BY CONTECH
- D. PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE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

SITE INFORMATION

RIM ELEV. = 729+/-
TOP OF STRUCTURE = 727.61
INLET PIPE 1 INVERT ELEV. = 721.34
INLET PIPE 1 DIAMETER AND MATERIAL = 12"Ø HDPE
OUTLET PIPE INVERT ELEV. = 721.34
OUTLET PIPE DIAMETER AND MATERIAL = 12"Ø HDPE
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 716.59

STRUCTURE WEIGHT
APPROXIMATE HEAVIEST PICK = 5500 LBS.
STRUCTURE IS DELIVERED IN 4 PIECES

TOP SLAB = 2000 LBS.
RISER 2 = 2000 LBS.
CONTROL RISER = 5500 LBS.
BASE SECTION = 3000 LBS.



SUPPORT BRACKET LAYOUT PLAN VIEW

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BY

REVISION DESCRIPTION

DAIE

MARK

CS-4 - 853382-10
URGENT CARE - BAPTIST RADCLIFF
RADCLIFF, KY
SITE DESIGNATION: STM-11

CONTECH.
ENGINEERED SOLUTIONS LLC
A CONTECH COMPANY

Centre-Pointe Dr., Suite 400, West Chester, OH 45381
588-1122 513-645-7000 513-645-7993 FAX

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RECEIVED: 10/1/01

DATE: 6/22/2026

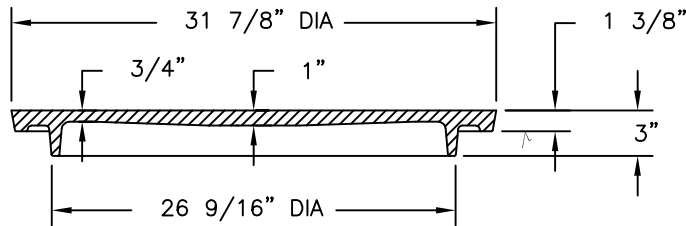
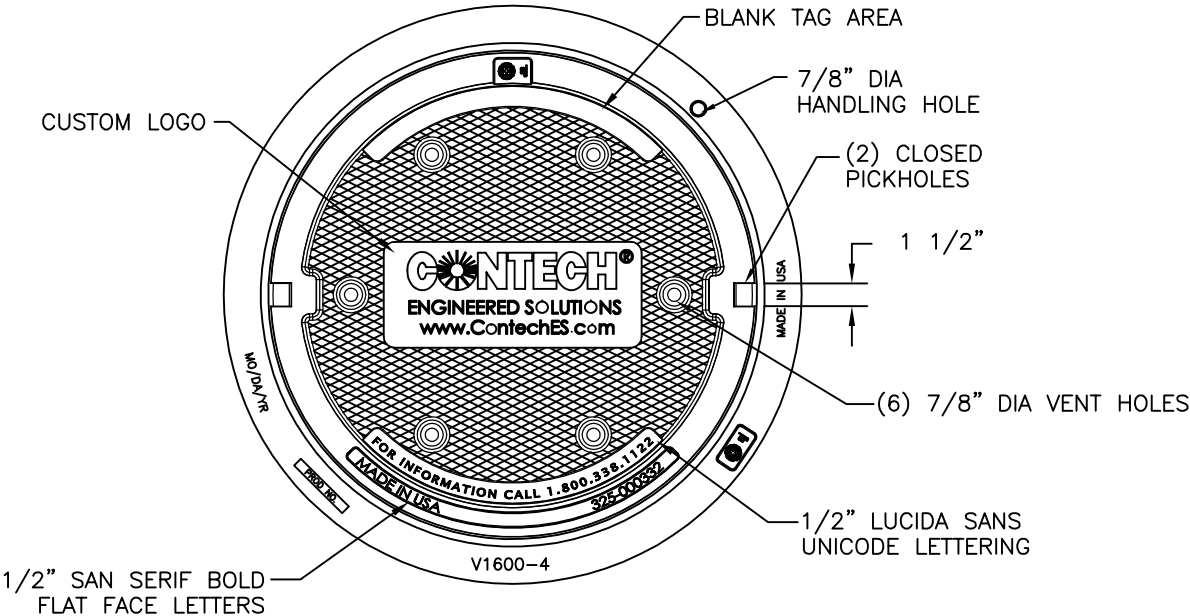
DESIGNED: MDB	DRAWN: MDB
------------------	---------------

CHECKED: CEU	APPROVED: MDB
-----------------	------------------

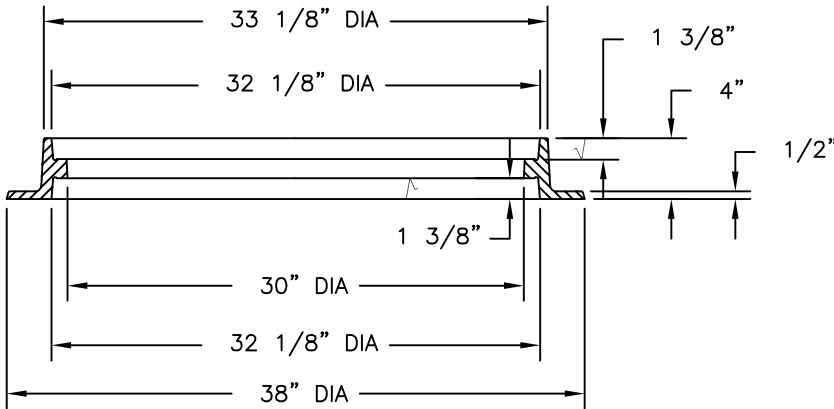
PROJECT No.:	SEQUENCE No.
853382	10

SHEET: 1 OF 1

26-2920 853382 Urgent Care
1810B4 V1600-4 Assembly



COVER SECTION



FRAME SECTION

Product Number
41600483

Design Features

- Materials
 - Cover
 - Gray Iron (CL35B)
 - Frame
 - Gray Iron (CL35B)
- Design Load
 - Heavy Duty
- Open Area
 - n/a
- Coating
 - Undipped
- √ Designates Machined Surface

Certification

- ASTM A48
- Country of Origin: USA

Major Components

00180783
41600410

Drawing Revision

05/09/2007 Designer: SMH
6/26/2017 Revised By: DAE

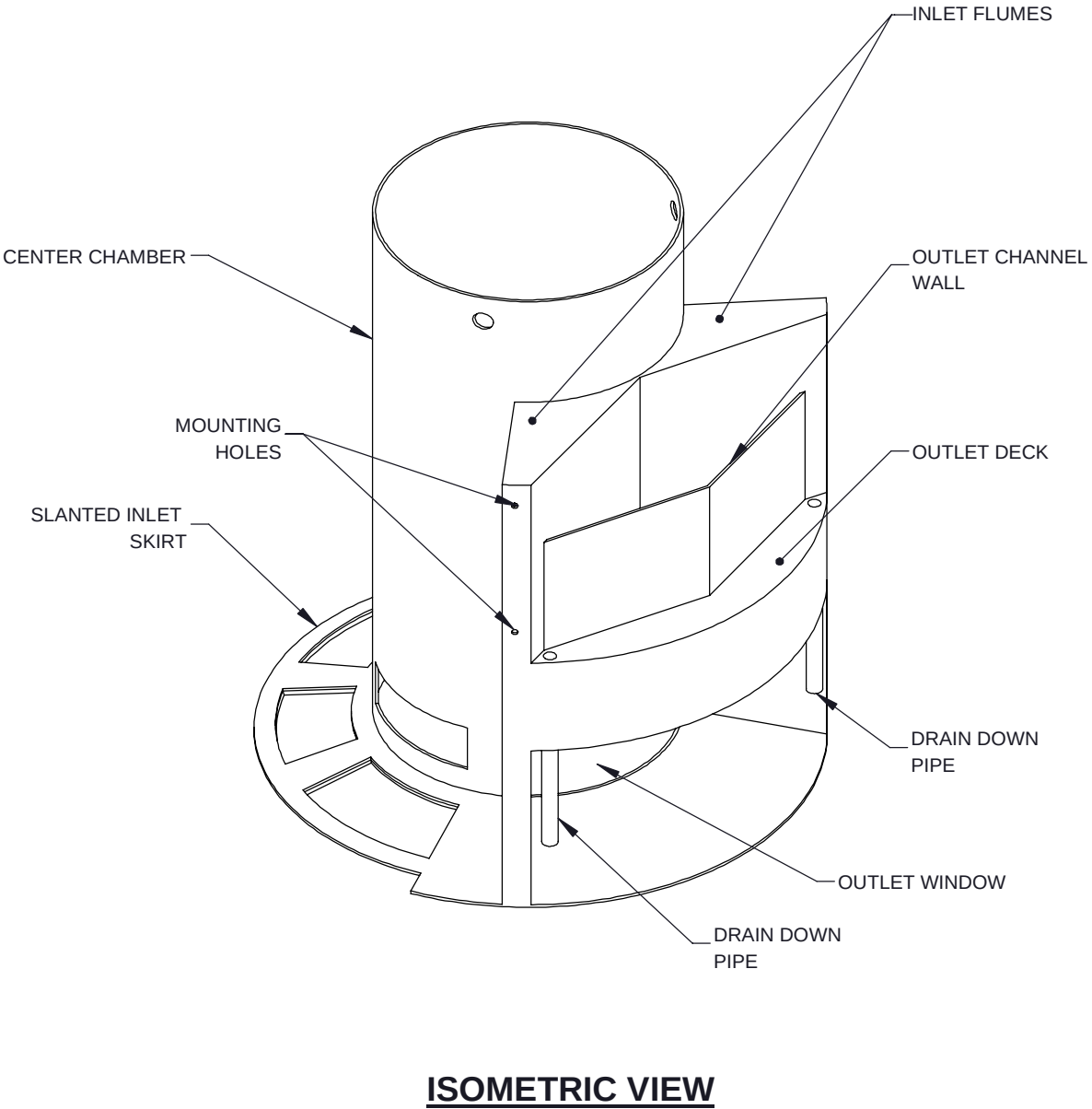
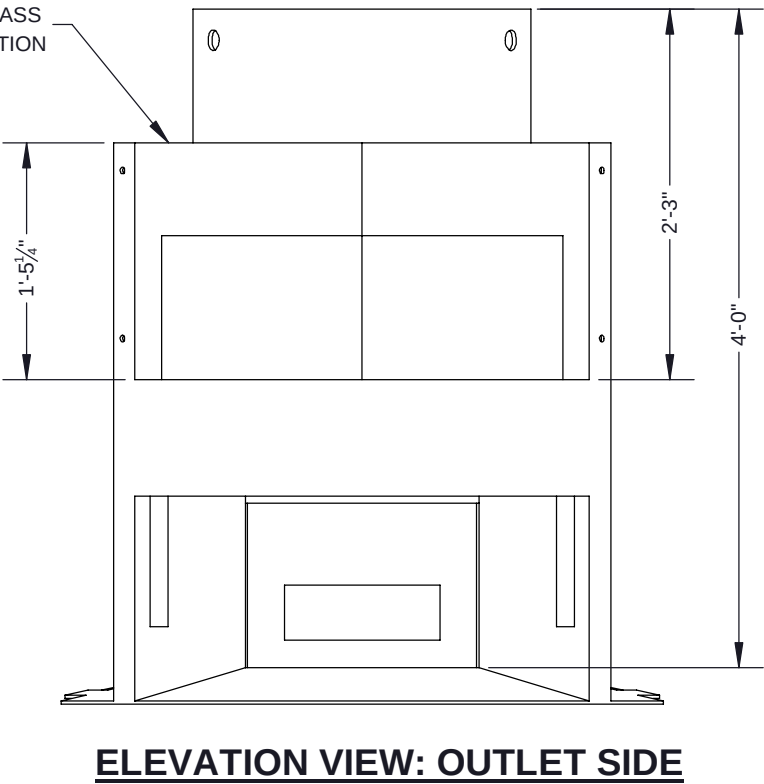
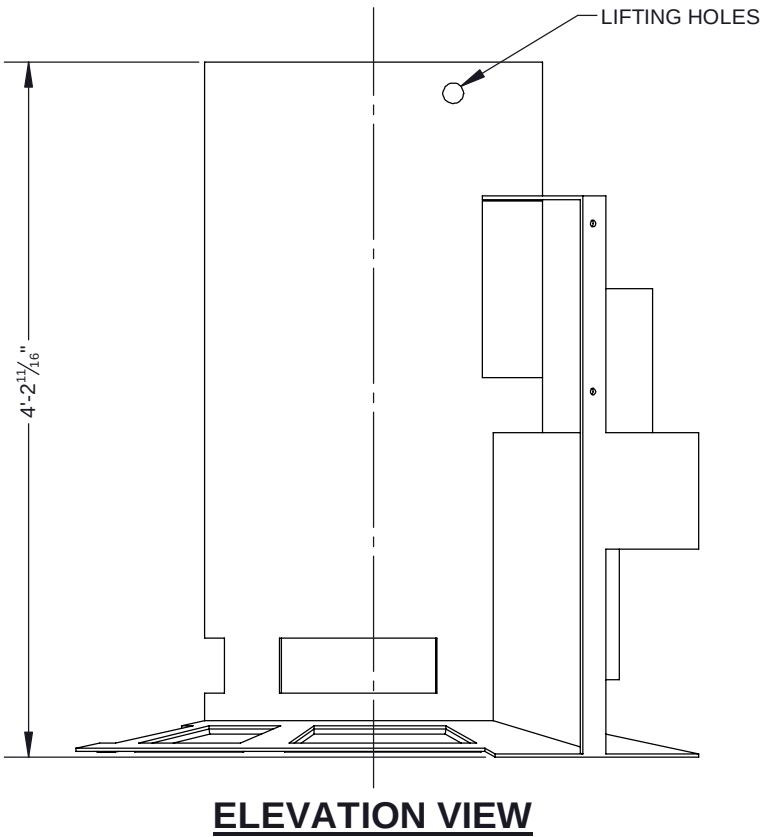
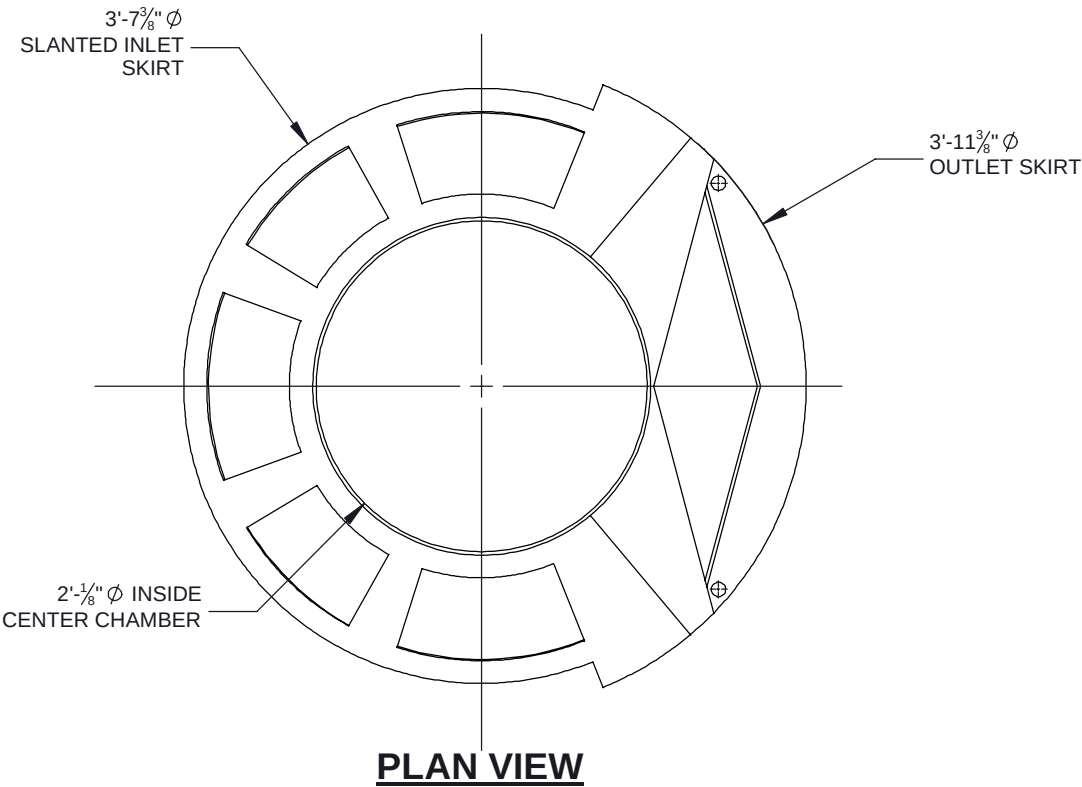
Disclaimer

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

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Contact

800 626 4653
ejco.com



- NOTES:
- SEE CASCADE SEPARATOR INSTALLATION GUIDE FOR ADDITIONAL INFORMATION

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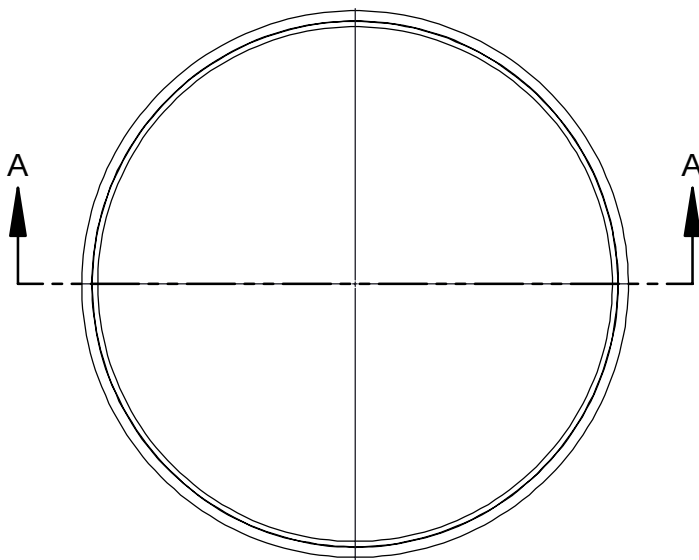
REFERENCE DETAIL
INTERNALS CS-4
CASCADE SEPARATOR

THIRD ANGLE PROJECTION

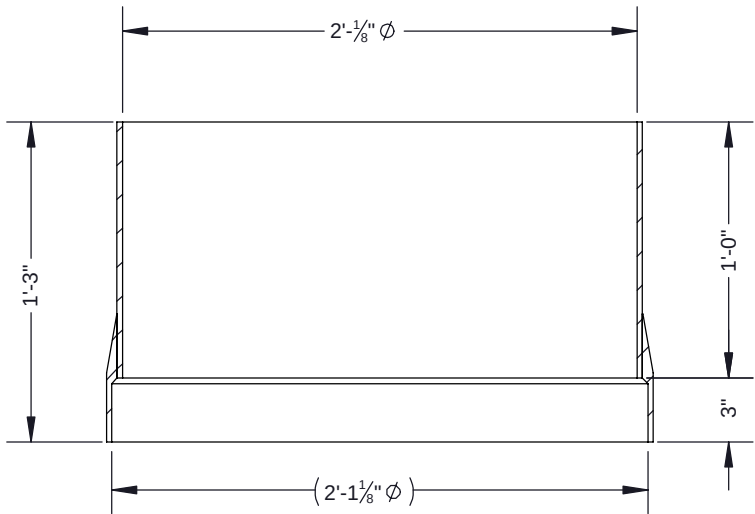
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

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

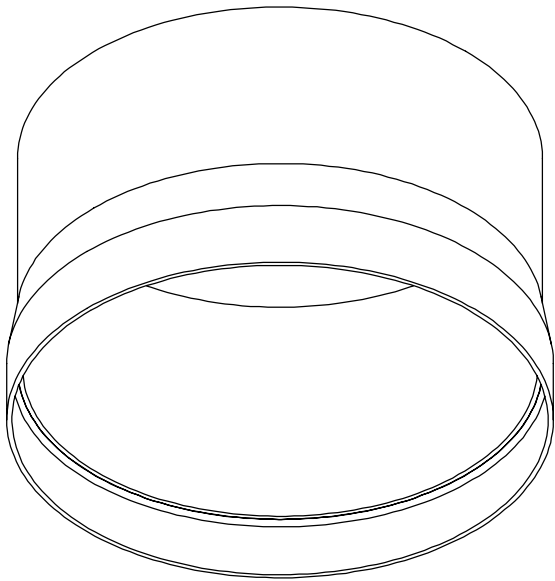
PART NUMBER: 325-003949		
APPROVED BY: M. BROOKS	DRAWN BY: M. BROOKS	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.14	REV: B
SCALE: N/A	SHEET 1 OF 1	



PLAN VIEW



SECTION A-A



ISOMETRIC VIEW

- NOTES:
- 1. SEE SITE SPECIFIC DRAWINGS FOR REQUIRED CYLINDER EXTENSION HEIGHT
 - 2. SEE CYLINDER EXTENSION INSTALLATION GUIDE FOR ADDITIONAL INFORMATION

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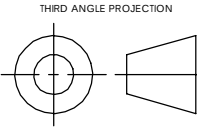
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REFERENCE DETAIL
1 FT CYLINDER EXTENSION CS-4
CASCADE SEPARATOR



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES:
FRACTIONAL ± 1/16
ANGLES ± 1 DEGREE
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.030

PART NUMBER: 325-003957		
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL	
APPROVED BY DATE: 2022.02.14	DRAWN BY DATE: 2022.02.10	REV: A
SCALE: N/A	SHEET 1 OF 1	

Arcadia™ Hydrodynamic Separator Installation Guide

Concrete Manhole Installation

This installation guide is a reference for installing the Arcadia Water Quality unit into a precast concrete structure. These directions assume the manhole base and riser have been assembled, and that the top slab has not been set.

Note: Do not insert the inlet or outlet pipes until after the Arcadia internals have been installed. All pipes should sit flush inside the manhole. If pipes must be inserted in advance, the pipes should not protrude into the structure as they can interfere with installation of the Arcadia Internals.

Content

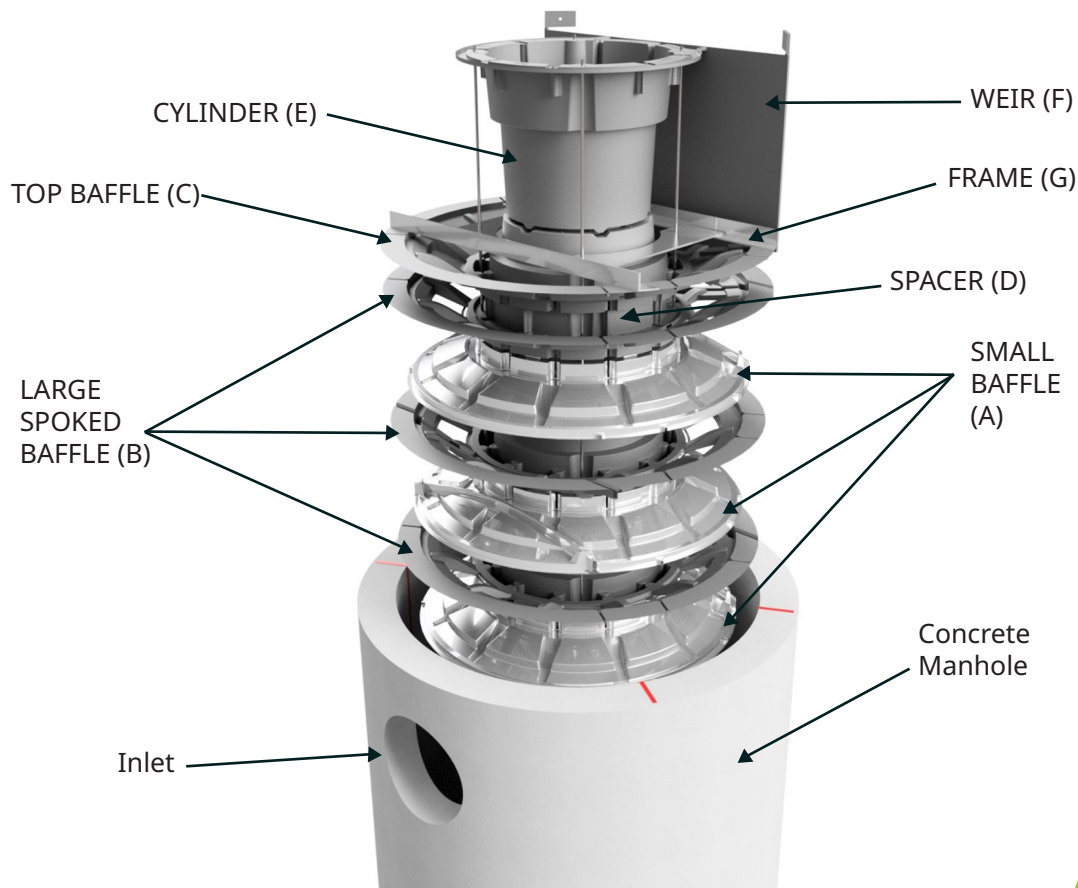
Section 1: Internal Components, Hardware & Tools

Section 2: Assembling Internal Components

Section 3: Mounting Brackets within Concrete Manhole Riser

Section 4: Transporting Assembled Arcadia Internals

Section 5: Installing Arcadia Internals into the Manhole – For Contactor/Jobsite



Section 1: Internal Components, Hardware and Tools



SMALL BAFFLE (A) Qty: 3



**LARGE SPOKED BAFFLE (B)
Qty: 3**



TOP BAFFLE (C) Qty: 1



SPACER (D) Qty: 1



CYLINDER (E) Qty: 1



WEIR (F) Qty: 1



FRAME (G) Qty: 1

Note: To separate baffles in shipping stack, pull from center of each baffle.

Hardware Provided by ADS



**Threaded Rod
(4 long and 4
short) Qty: 8**



**Washers
Qty: 12**



**Nuts
Qty: 12**



**Threaded
Coupling
Qty: 4**



Screws



**Bolts for frame
Assembly**



**Rod Caps
Qty: 4**



**Threadlocker
Capsules
Qty: 2**

Please set aside the following items that will later be delivered to the jobsite along with the assembled Arcadia Unit.

- Small Hardware package marked "Arcadia Installation, For Jobsite Contractor (Not for Precaster)".
- Conseal Roll(s).
- Copy of the Installation Guide

Other Tools Needed

- $\frac{9}{16}$ " (14.28 mm) or $\frac{3}{4}$ " (19.05 mm) Hand Wrench, depending on model size
- Phillips screwdriver or screw gun with Phillips bit
- 4 small hand clamps
- Pair of sawhorses

Section 2: Assembling Internal Components

1. Suggested procedure to facilitate assembly:
 - Utilize a set of sawhorses to support the initial assembly.
 - Set the spacing between the sawhorses (outside distance, see **figure 1**) according to the table below.

Arcadia Model	Spacing in (mm)
AR3	10 (250)
AR4	15 (375)
AR5	17 (425)
AR6	19 (475)
AR8	25 (625)

2. Place one SMALL BAFFLE (A) on the saw horses with the molded word "UP" readable and facing upward."

*Note: Throughout this procedure, as you stack up the baffles, make sure to align the molded word UP for each layer. For each baffle, UP should be readable and aligned with previous layers shown in **figure 2**.*

3. Rotate the baffle as needed to ensure the word UP is aligned with that of the previous baffle, then slide one LARGE SPOKED BAFFLE (B) down the threaded rods until it rests on the previous part, as shown in **figure 3**. Each part mates with the previous part in only one orientation.
4. Place another SMALL BAFFLE (A) on top of the previous part, as shown in **figure 4**. There should now be a total of three (3) baffles in place (two SMALL BAFFLES (A) and one LARGE SPOKED BAFFLE (B)).

Note: The long threaded rods will not reach up to the third baffle yet.

5. One at a time, grasp each of the long threaded rods and feed / pull up through the three baffles until the washer end is tight against the underside of the bottom baffle. Place a hand clamp on each long threaded rod against the top-most baffle to hold it in position, as shown in **figures 5 and 6**.
6. Carefully lower the entire assembly to floor level. If picking up by hand, this is most easily done by grasping two of the long threaded rods in between baffles.
7. Once on the floor, remove all 4 clamps and allow long threaded rods to rest on the floor.

Scan the QR Code
to watch the
Arcadia
installation video



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

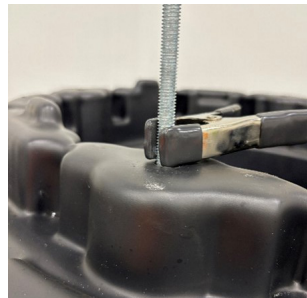


Figure 6



8. Repeat steps 2 & 3 once, then step 2 once more, such that two more LARGE SPOKED BAFFLE (B) and one more SMALL BAFFLE (A) have been added, for a total of six baffles, as shown in **figure 7**.
9. If SPACER (D) is supplied, slide it down the long threaded rods until it rests on the previous part. The SPACER (D) flange should be oriented down, as shown in **figure 8**.

Note: there is no SPACER (D) provided for the 3' (0.9 m) diameter unit (AR3) and the 6' (1.8 m) diameter unit (AR6). For these two sizes, skip this step.

10. Slide TOP BAFFLE (C) down the long threaded rods until it rests on the previous part, as shown in **figure 9**. Each part mates with the previous part in only one orientation. Check that the molded word UP, on the outer edge is readable, facing upward, and aligned with the word UP on the previous part before sliding down the rods into position.
11. Grasping each long threaded rod between baffles, push each rod up until the washer is once again snug at the bottom of the stack, as shown in **figure 10**. Hand snug a washer and nut to each long threaded rod with a wrench.

Note: Recommended to hold the nut with the wrench and turn the threaded rod to snug.

12. **Two people are needed for this step.** Assemble FRAME (G) by bolting the 4 metal pieces with provided short bolts, nuts & washers. As shown in **figure 11 and 12**.
13. Slide FRAME (G) onto the threaded rods until it rests flat on TOP BAFFLE (C). Orient FRAME (G) so that it aligns parallel to the flat portion of TOP BAFFLE (C), as shown in **figure 13**.

Note: Make sure the frame is installed upright, with the angled bends pointing upward, as shown in figure 13.

14. Add another washer and nut to each of the long threaded rods above FRAME (G). Do not screw the nut all the way down. Then, attach a threaded coupling at the top end of each long threaded rod. Screw it down until the top of the coupling is flush with the top of the threaded rod. Leave the nut just below the coupling, as shown in **figure 14**. (This is to facilitate step 17.)

Figure 7



Figure 8

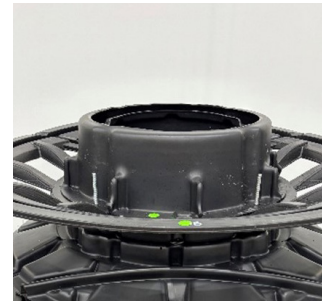


Figure 9



Figure 10



Figure 11



Figure 12

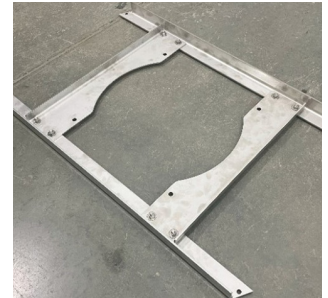


Figure 13

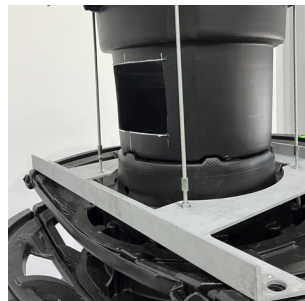


Figure 14



15. Place a washer and nut onto the end of the four short threaded rods, screwing about 3" (75 mm) down. Orient CYLINDER (E) with the flange facing up, feed the rods from the top through the holes in the CYLINDER (E) until the nuts rest on top of the CYLINDER, as shown in **figure 15**.
16. Place CYLINDER (E) assembly on top of TOP BAFFLE (C). Each part mates with the previous part in only one orientation. Check that flat side of the flange of CYLINDER (E) is aligned with the flat side of the TOP BAFFLE (C) as shown in **figure 16**. Attach the bottom end of the 4 short threaded rods to each threaded coupling at the top of the 4 long threaded rods. Hand tighten snug by twisting the long and short threaded rods in opposite directions.
17. Secure CYLINDER (E) onto each of the 4 short threaded rods with a washer and nut at the top. Hand snug with wrench.
18. Slide WEIR (F) into top slot with the curved edge down. Ensure WEIR (F) is centered in the slot. To easily insert WEIR (F), push one end home and secure lower corner of WEIR (F) to TOP BAFFLE (C) with a screw, as shown in **figures 17 and 18**; then push the other end home and secure with screw. For the 8' (2.4 m) diameter unit (AR8), add additional screws into the slot and through the bottom of the weir at approximately the middle, 1/4, and 3/4 positions.
19. Screw down and hand snug the nuts to the steel FRAME (G) with a wrench. Also hand snug the nuts to the top of the CYLINDER (E), and to the top of the TOP BAFFLE (C) if they have loosened. Add a drop of Threadlocker to the rod threads near each nut before final tightening.
20. Secure the top of WEIR (F) with three screws into CYLINDER (E), as shown in **figure 19**.
21. Attach Rod Caps to the top of each threaded rod, on top of the unit.
22. The finished assembly should appear as shown in **figure 20**.

Figure 15



Figure 16



Figure 17



Figure 18



Figure 19



Figure 20



Section 3: Mounting Brackets within Concrete Manhole Riser

Materials provided by ADS

- Mounting Template (Qty: 1)
- Brackets (Qty: 4)
- ¼" (6.35 mm) Diameter 20 thread size,
3 ¼" (82.55 mm) wedge anchors (Qty: 4)

Other Tools Needed

- Drill
 - ¼" (6.35mm) Masonry drill bit
 - Hammer
 - 7/16" (11.11 mm) socket or wrench
 - Masking Tape
 - Rigging
1. Use one of the 3 methods below to locate and mark the elevation and center line for each of the 4 brackets.
 - a. Mounting Template Method:
 1. Position top of template to match the outlet pipe invert elevation.
 2. Align centerline of template with the center of the outlet pipe hole.
 3. Spread template along inner circumference of the manhole wall, maintaining level. Affix with tape as you proceed. Check level as you proceed.
 4. Mark bracket elevations and centerlines at bottom of template.
 5. Remove template.
 - b. Angular Dimensions Method:
 1. From the outlet invert, measure depth A (Table 1) and around B° and C° in each direction to locate the top of each bracket. Mark top of bracket.
 - c. Linear Dimensions Method:
 1. From the outlet invert, measure depth A (Table 2) and around the inside arc B" and C" in each direction to locate the top of each bracket. Mark top of bracket. Crosscheck outlet invert elevations from approved job specific drawings.

Figure 22

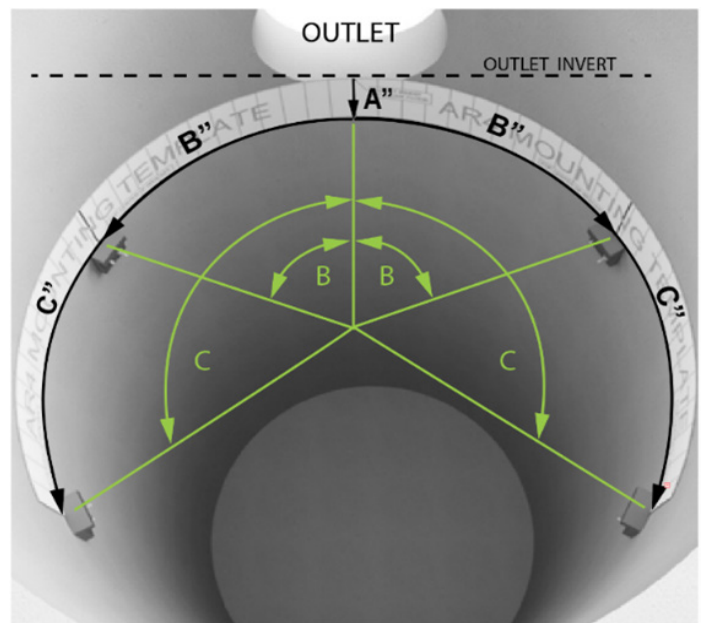


Table 1: Angular Measurements

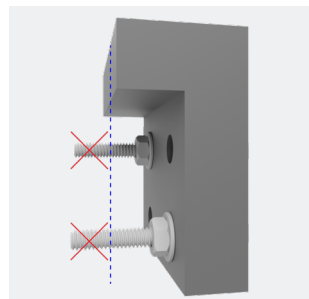
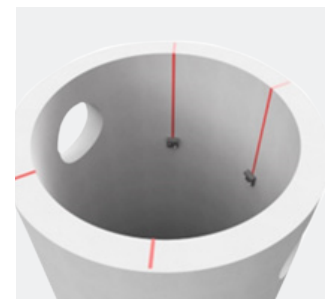
Arcadia Model	A. Depth from Outlet Invert in (mm)	B. Angle from Outlet Center	C. Angle from Outlet Center
AR3	4 1/2 (114.3)	65°	115°
AR4	5 1/2 (139.7)	60°	120°
AR5	6 (150)	65°	115°
AR6	6 1/2 (165.1)	60°	120°
AR8	8 (200)	60°	120°

Table 2: Linear Measurements

Arcadia Model	A. Depth from Outlet Invert in (mm)	B. Measurement from Outlet Center in (mm)	C. Measurement from Outlet Center in (mm)
AR3	4 1/2 (114.3)	20 3/8 (517.5)	36 1/8 (917.6)
AR4	5 1/2 (139.7)	25 1/8 (638.1)	50 1/4 (1276.3)
AR5	6 (150)	34 (850)	60 1/8 (1527.2)
AR6	6 1/2 (165.1)	37 3/4 (958.8)	75 1/2 (1917.7)
AR8	8 (200)	50 1/4 (1276.3)	100 1/2 (2552.7)

- Hold bracket in position in manhole at locations indicated. Mark anchor holes for each bracket as shown in **figure 23**.
- Drill two 1/4" (6.35 mm) holes per bracket, 2 1/2" (63.5 mm) deep. Diagonal holes are recommended. Extra holes provided if needed as shown in **figure 24**.
- Attach 4 brackets to manhole at positions marked, aligned with top of bracket. Lightly hammer the anchors in place. Tighten the locking nuts to firmly secure brackets to the concrete. Trim any excess anchor that extends beyond the bracket edge as shown in **figure 25**.
- Extend center lines up the manhole wall to the top. Also extend lines across top edge. These center lines will be used by installers at the jobsite to align the unit during installation as shown in **figure 26**.

Note: These center lines are part of the bracket installation and should be made with a suitable marking device that can be easily seen, such as a level and marker, or chalk line.

Figure 23**Figure 24****Figure 25****Figure 26**

Section 4: Transporting Assembled Arcadia Internals

Placing assembled Arcadia inside concrete manhole riser section; Most common.

1. Choosing a segment of precast concrete manhole riser or base.
 - For transport, choose a riser section that does not contain the mounting brackets, with the following minimum riser depths. This riser section will serve as shipping containment for the internals.
 - The Arcadia internals will be permanently installed onto the mounting brackets at the jobsite. See Section 5.
2. Rigging Arcadia Internals for lifting.
 - Use the stainless-steel frame arms as pick points for straps, chains or other qualified rigging. It is recommended to attach at diagonally opposite arms.
 - Appropriate rigging examples shown in **figures 27 and 28**.
3. Place Arcadia Internals within the riser segment using hoisting equipment.
4. Secure with strapping.
5. Along with the internals, be sure to also deliver the 3 additional items listed in the note below and seen in **figures 29 and 30**.

Minimum Depth Transport Riser Section ft (m)	Arcadia Model
3 (0.9)	AR3
4 (1.2)	AR4, AR5, AR6
5 (1.5)	AR8
6 (1.8)	AR10

Figure 27



Figure 28



Figure 29



Figure 30



Note: Please deliver the following additional items to the jobsite along with the assembled Arcadia unit.

- Small hardware package marked "Arcadia Installation, For Jobsite Contractor (NOT FOR PRECASTER)"
- Con Seal roll(s)
- Copy of the Installation Guide

Transporting without a concrete riser?
Contact ADS for guidance.

Table 4: Arcadia Separator Internals Weight Once Assembled

Arcadia Model	AR3	AR4	AR5	AR6	AR8	AR10
lbs (kg)	82 (37.1)	165 (74.8)	252 (411.3)	356 (161.4)	882 (400)	1306 (592.3)

Section 5: Installing Arcadia Internals into the Manhole

These directions assume the manhole base and riser have not been assembled, and that the top slab has not been set.

Note: Do not insert the inlet or outlet pipes until after the Arcadia internals have been installed. If pipes must be inserted in advance, the pipes should not protrude into the structure as they can interfere with installation of the Arcadia Internals.

Materials provided by ADS

- Arcadia Internals (Qty: 1)
- ¼" (6.35 mm) Diameter 20 thread count, 3 ¼" (82.55 mm) wedge anchors (Qty: 2)
- ⅝" (7.93 mm) Diameter 1 ½" (38.1 mm) hex head lag screws and washers (Qty: 4)
- ¼" (6.35 mm) high speed drill bit for drilling into steel brackets (only for AR8 model)
- Conseal Roll(s)

Other Tools Needed

- Drill
 - ¼" (6.35 mm) Masonry Drill Bit
 - ⅜" (4.76 mm) Multi-Purpose Drill Bit
 - Hammer
 - ⅞" (11.11 mm) socket or wrench
 - Rigging
1. Before assembling the manhole base and riser(s), remove the assembled Arcadia unit from the precast segment that was used for protection during transport, if applicable. Rig the Arcadia internals for overhead lifting. Use the stainless-steel frame arms as pick points for straps, chains or other qualified rigging. It is recommended to attach diagonally to opposite arms. See **figures 31 and 32**. Set the Arcadia unit on level ground.
 2. Locate the concrete riser section with Arcadia Mounting Brackets installed.
 3. Check for bracket centerline markings inside and on top edge of the manhole. If no markings are present, find and extend the centerlines of each bracket along the inside of the riser all the way to the riser top edge as shown. These centerlines will be used to align the unit during installation. See **figure 33**.
 4. Rig Arcadia internals for overhead lifting. Use the stainless-steel frame arms as pick points for straps, chains or other qualified rigging. It is recommended to attach diagonally to opposite arms. See **figures 31 and 32**.

Figure 31



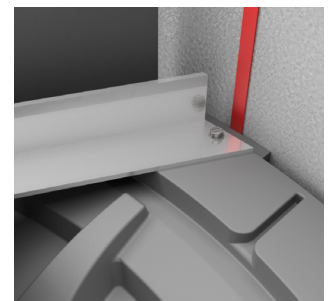
Figure 32



Figure 33



Figure 34



- a. Keep the WEIR (F) centered above the outlet pipe opening. See **figure 35**.
 - b. Keep frame arms aligned with bracket centerlines during the entire lowering process. Failure to maintain alignment could result in damage to the unit. See **figure 36**.
5. Lift Arcadia internals at slow speed. Before lowering the unit into the manhole, check for proper alignment with the mounting brackets inside the manhole. Orientation is important throughout the entire installation process.
6. Once aligned, slowly lower Arcadia internals into manhole. Utilize a spotter to guide the alignment of the unit with tagline. Proceed until the stainless-steel frame arms are resting on the pre-installed mounting brackets within the manhole.
7. Affix Arcadia internals with provided lag screws and washers through the holes in the ends of the stainless-steel frame arms, through the top plastic of the unit and into the plastic brackets beneath. First pre-drill each with a 3/16" (4.76 mm) drill bit, or for AR8 use the provided 1/4" (6.35 mm) drill bit into steel brackets below. Use 7/16" (11.11 mm) socket to drive in lag screws until snug.
8. Affix WEIR (F) edges to manhole walls using concrete anchors. See **figures 37 and 38**.
 - a. Bend WEIR (F) installation tabs to the manhole wall as shown in **figure 37**.
 - b. Mark holes for anchors, one hole per tab.
 - c. Drill a 1/4" (6.35 mm) hole 2 1/2" (63.5 mm) deep at each marked hole.
 - d. Bend WEIR (F) installation tabs to manhole wall.
 - e. Insert anchors and lightly hammer in place to secure WEIR (F) to manhole wall.
 - f. Tighten the locking nuts to firmly secure brackets to the manhole wall as shown in **figure 38**.
9. Finally, seal WEIR (F) & TOP BAFFLE (C) edges to manhole wall using conseal to fill any gaps. See **figure 35**.

Figure 35

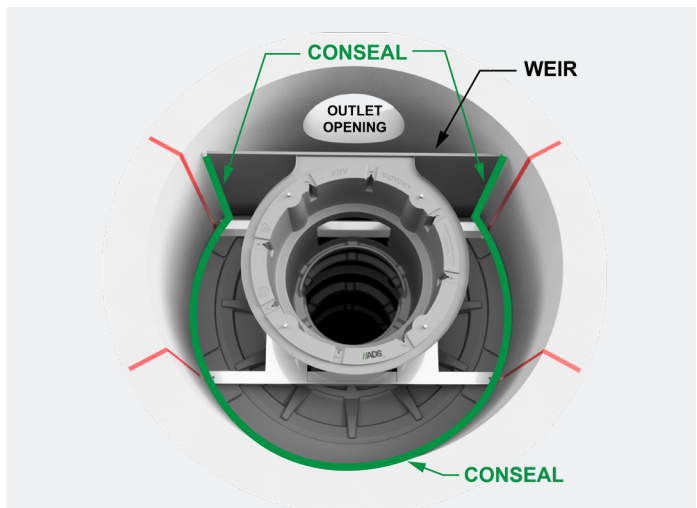


Figure 36

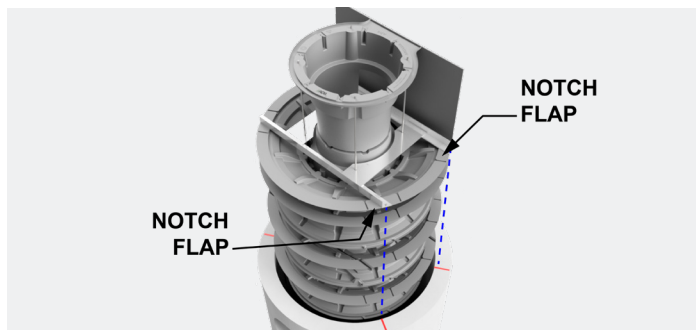
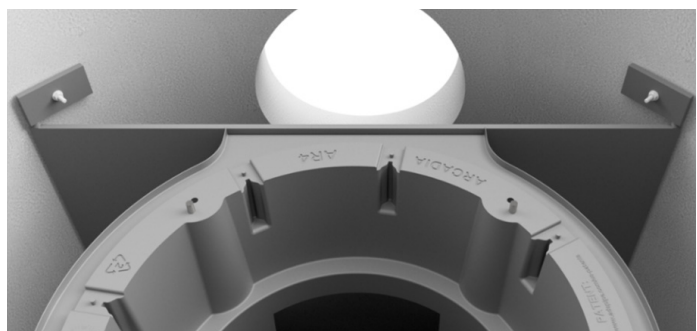


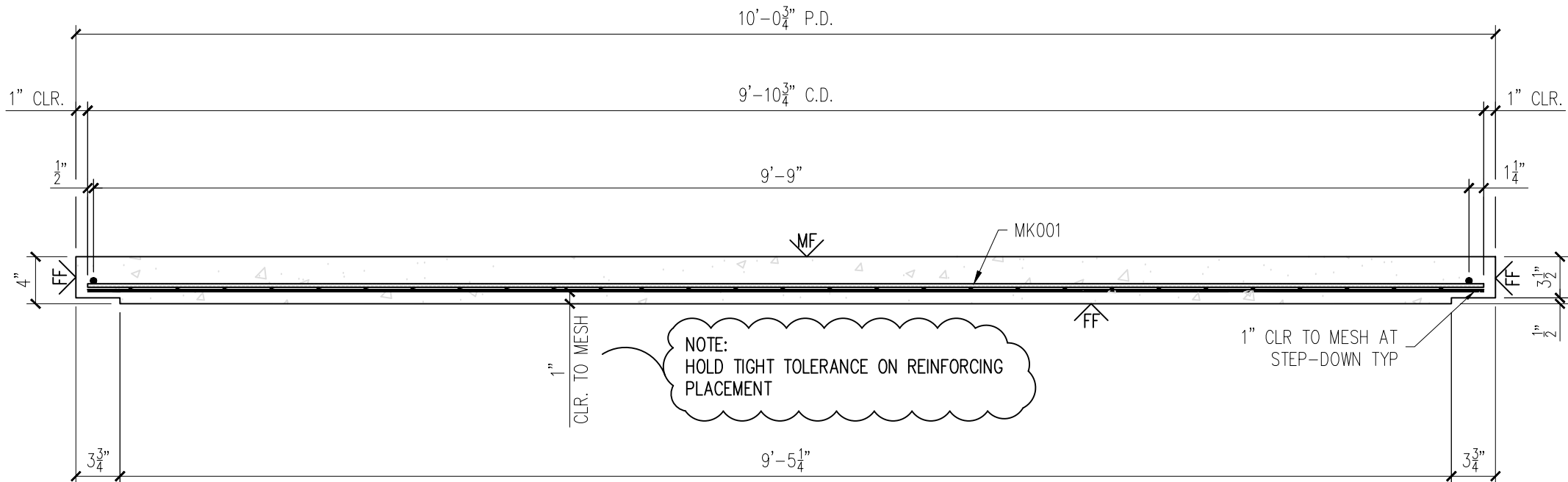
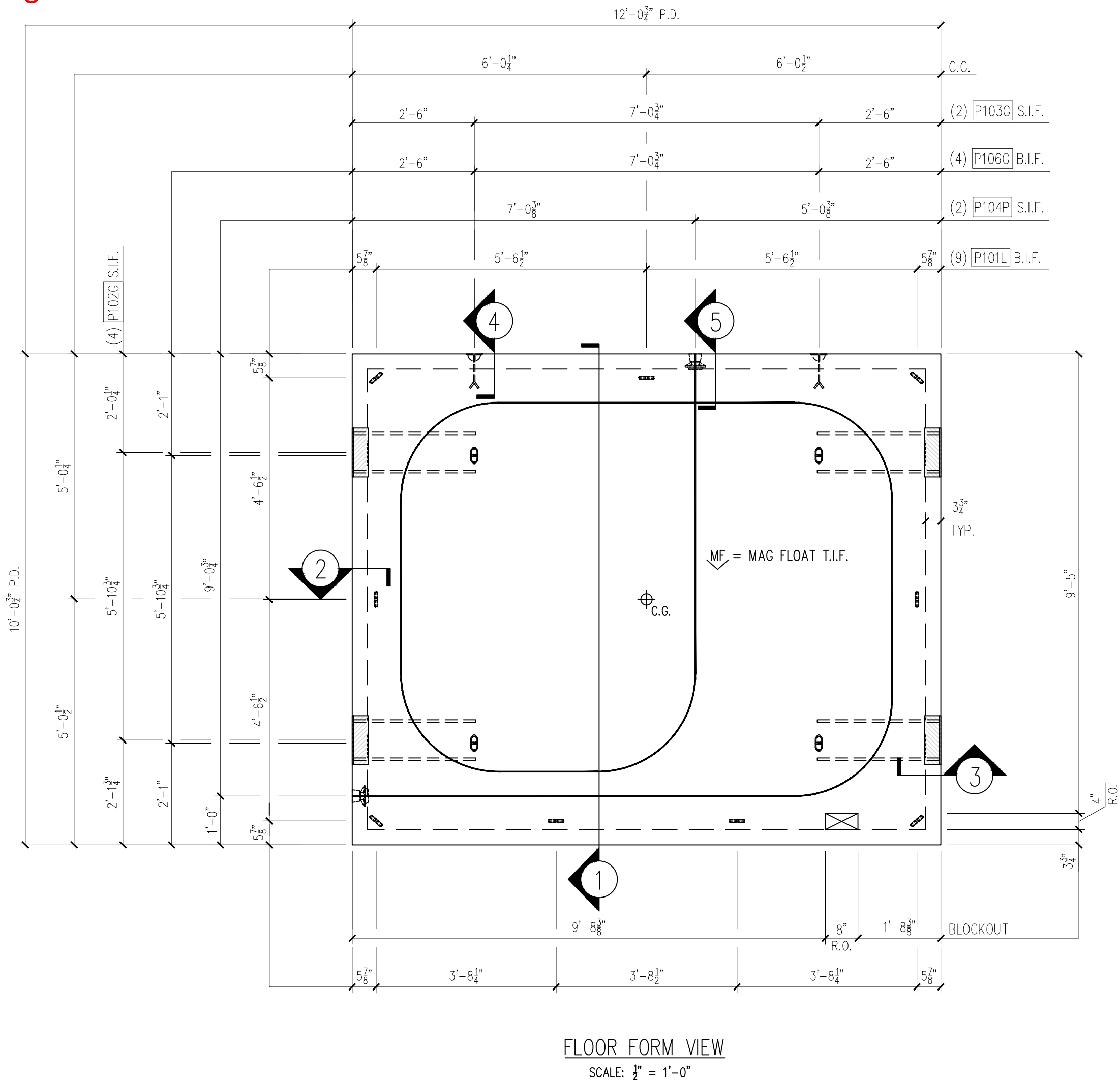
Figure 37



Figure 38



25-3470
CCHS Precast Buildings
ID - CVBS
Floor - FP-01
Weight - 5,975
1 Required



5

4

3

2

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:

BILL OF MATERIALS		
MARK #	DESCRIPTION	QTY.
P101L	3/8" X 1 3/4" F-63 FLARED THIN SLAB COIL INSERT (ELECTROPLATED)	9
P102G	ESW P-4 LIFTING ANGLE (GALV.)	4
P103G	2 TON RL-4 TECH ERECTION ANCHOR (79527) (GALV.)	2
P104P	U-5 POST TENSION ANCHOR (PLAIN) WITH PLASTIC POCKET	2
P106G	2 TON PLATE ANCHOR QL128G OR EQUAL (GALV.)	4
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 = 1.47	C.Y.
CONCRETE - MIX 1	VOLUME = -	C.Y.
CONCRETE - MIX 2	VOLUME = -	C.Y.
SOFT SOUND	VOLUME = -	C.Y.
TOTALS	VOLUME = 1.47	C.Y.
WEIGHT: 5,975 LBS.		
FINISHING INSTRUCTIONS		
MF = MAG FLOAT FINISH		
FF = FORM FINISH		
L = 12'-0 3/4"	SQ.FT.(T.I.F.) = 119.46	
W = 10'-0 3/4"	SQ.FT.(T.I.F.) = -	
D = 4"	SQ.FT.(T.I.F.) = -	
CONTROL NUMBERS:		
-		
PRODUCT		
BUILDING	101208C	
SHEET NUMBER		
1 OF 2	NUMBER REQUIRED	1

PROJECT: 10'X12'X8' GATE HOUSE BUILDING

5185 FORT CAMPBELL BOULEVARD

HOPKINSVILLE, KY 42240

CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

SCALE NTS

DRAWN BY FTL

CHECK BY WCR

ISSUE DATE 07.01.26

PIECE MARK FP-01

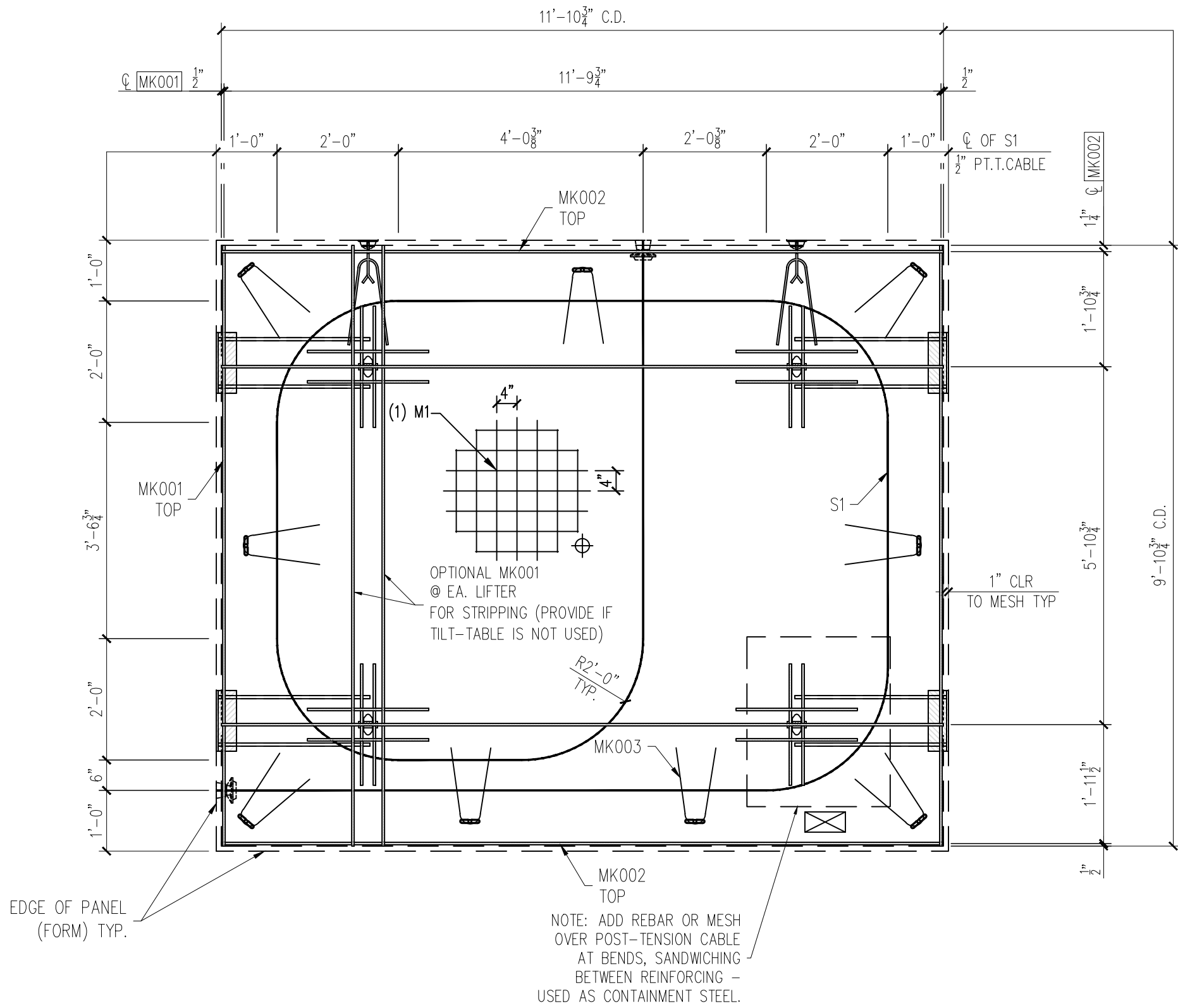
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25-3470
CCHS Precast Buildings
ID - CVBS
Floor - FP-01
Weight - 5,975
1 Required

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



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

REINFORCING SCHEDULE		
MARK #	DESCRIPTION	QTY.
MK001	#3 X 9'-10 3/4"	2
MK002	#3 X 11'-10 3/4"	4
MK003	#3 X 3'-0"	11
S1	1/2" Ø X 50'-0" LONG P.T. CABLE	1
MESH SCHEDULE		
MARK #	DESCRIPTION	QTY.
M1	W4XW4 4"X4" WWF 9'-10 3/4" X 11'-10 3/4"	1

- 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)

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:

PRODUCT	SALES ORDER NUMBER
BUILDING	101208C
SHEET NUMBER	NUMBER REQUIRED
2 OF 2	1

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www.EasiSet.com • 800-547-4045 • Fax 540-439-2541

DATE	REV	DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

PROJECT: 10'X12'X8' GATE HOUSE BUILDING
5185 FORT CAMPBELL BOULEVARD
HOPKINSVILLE, KY 42240
CONTRACTOR: CHRISTIAN COUNTY SCHOOLS

SCALE NTS
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 07.01.26
PIECE MARK FP-01

PT Check for Gate House Floor FP-01 (PCI MNL - 1)

Material Data

(7) Wire lo-lax Strand - ASTM A416

Φ_{ps} 0.500 in,

A_s 0.153 in²

E 28500000 psi

f_{pu} 270 ksi

Strand Length **564 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 = $\frac{(\text{Force required beyond initial tension}) (\text{Length of strand between anchorages})}{(\text{Area of strand}) (\text{Modulus of Elasticity})}$

= 3.35 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 $t = \frac{966 \text{ lbs}}{966 \text{ lbs}} \alpha = \text{curvature} = \pi(2.5) = 7.85 \text{ radians}$

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

= 0.653

Avg. strand force = 0.827 17.33% 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

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

= 0.808

Avg. strand force over

half of tendon = 0.904 9.58% Loss

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

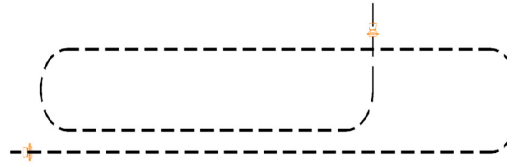
Elong. Adjustment = 0.321 in

Force Adjustment = 2771 lbs

Total Force Required = 32655 lbs **OK**

Elongation Summary:

Gross Theoretical Elongation			
Basic Elongation	3.35 in		
Dead End Seating Loss	0.125 in		
Live End Seating Loss	0.125 in		
Friction Losses	0.321 in		
Total Elongation	3.92 in		
Rounded	3 15/16 in		
Tolerance limits	-7.0%	3.65 in	3 10/16 in
	+7.0%	4.20 in	4 3/16 in



Cable Configuration

25-3470

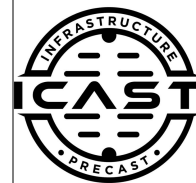
CCHS Precast Buildings

ID - CVBS

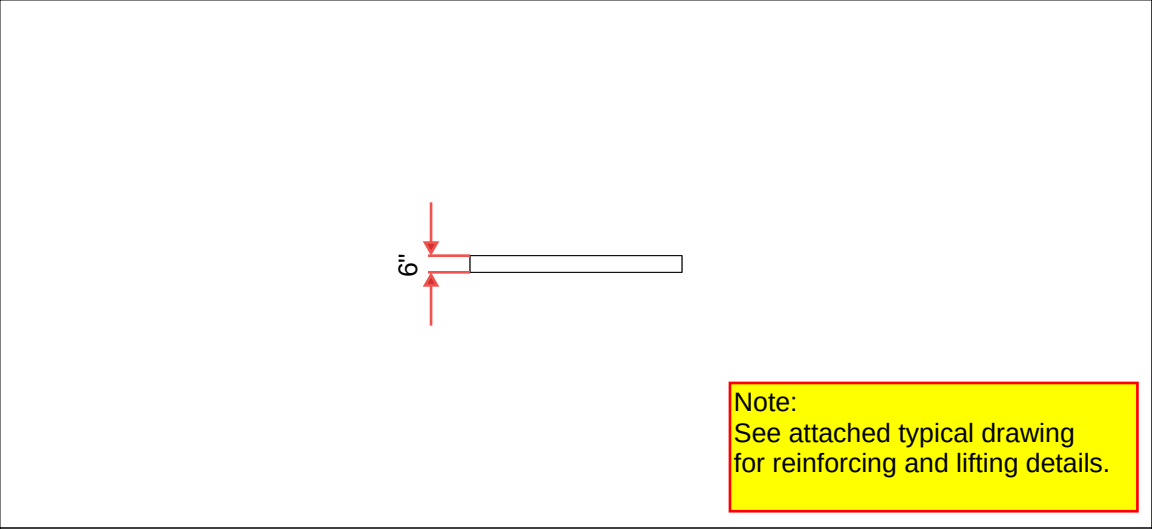
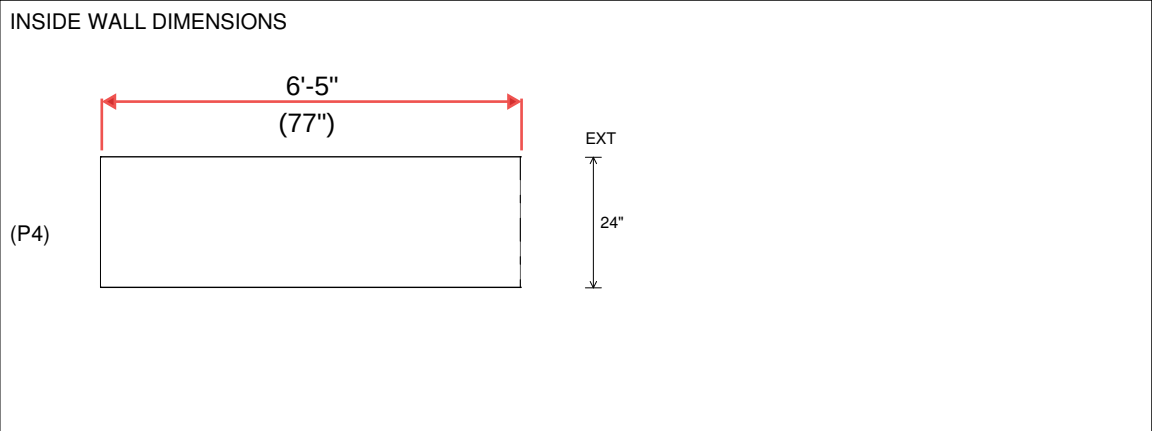
Floor - FP-01

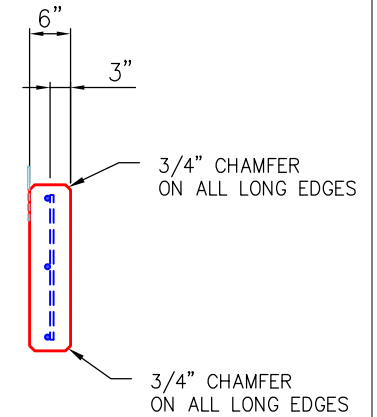
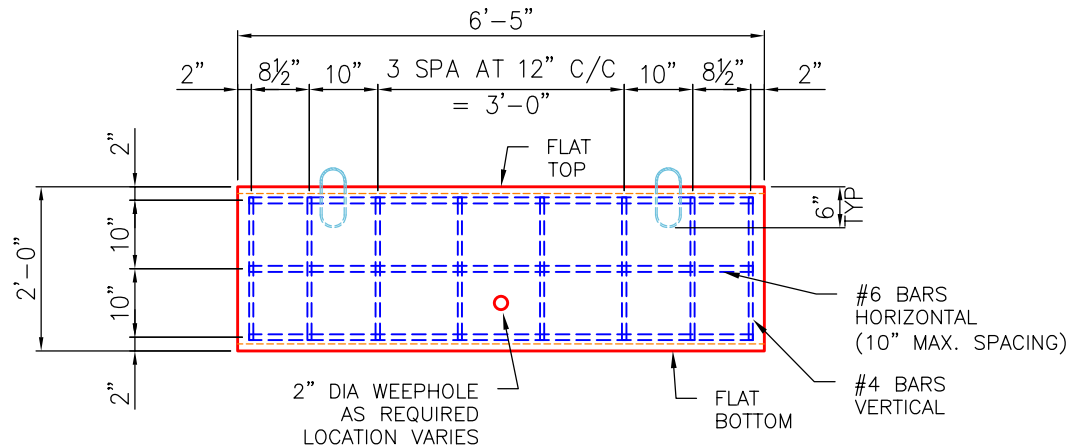
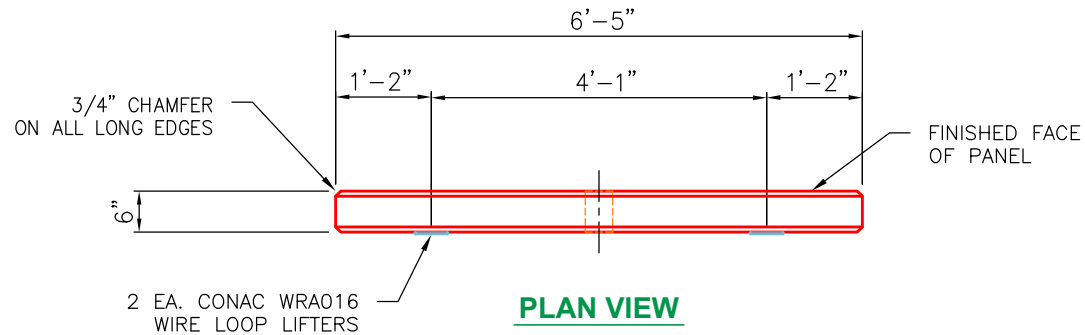
Weight - 5,975

1 Required



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

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:27 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P11-P12											
P4 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P5) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG P4) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG Hole - 2						932 lb 932 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 6057 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 697' Rim to Invert: 8' Slack: 0" Sump: 60" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) (P5) (P4) << (P3) (P2) (P1)  INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 24" Height (Ext): 24"		Weight (Net): 932 lb Volume (Net): 0.24cu.yd	



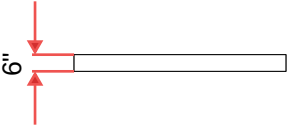
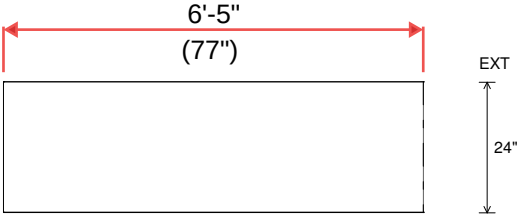
SIDE VIEW

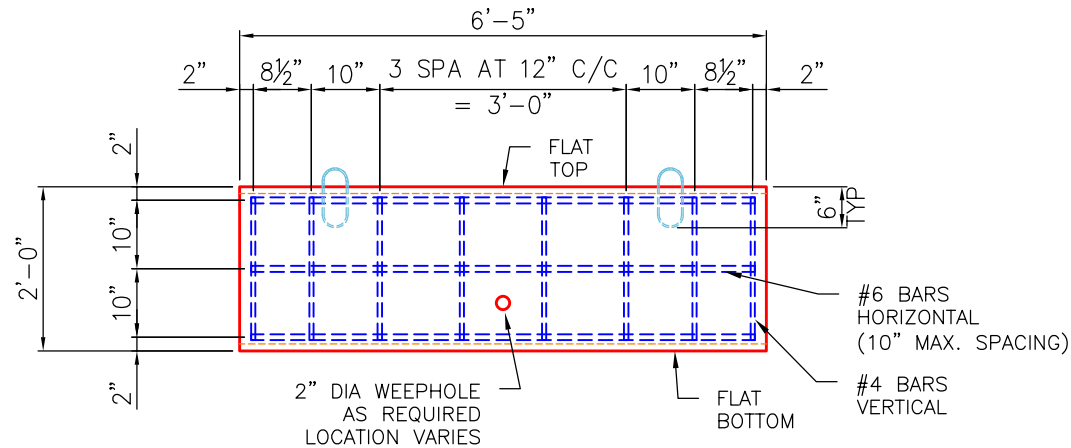
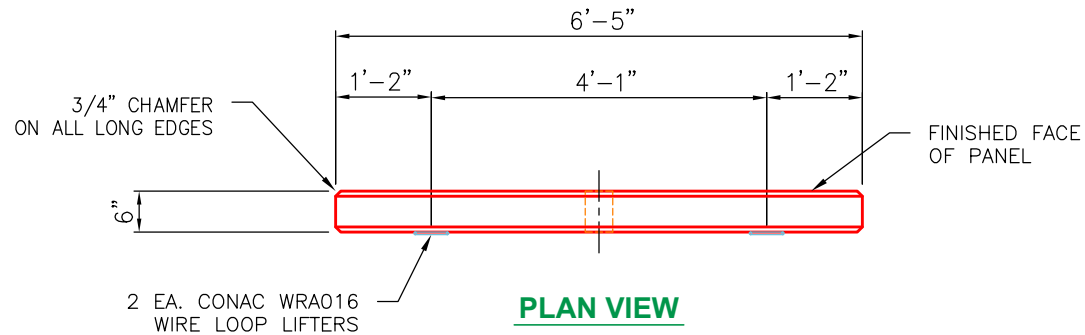
END VIEW

GENERAL NOTES:

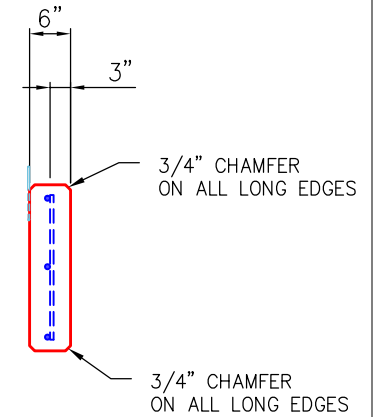
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 914 LBS
6. 21 REQUIRED.

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

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:30 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P14-P15											
P4 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2						932 lb 932 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 4659 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 695'		Rim to Invert: 5'		Slack: 0"		Sump: 60"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
(P4) << (P3) (P2) (P1)		 Note: See attached typical drawing for reinforcing and lifting details.									
INSIDE WALL DIMENSIONS											
(P4)											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 24" Height (Ext): 24"		Weight (Net): 932 lb Volume (Net): 0.24cu.yd	



SIDE VIEW



END VIEW

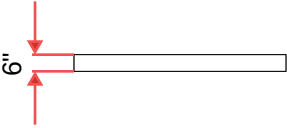
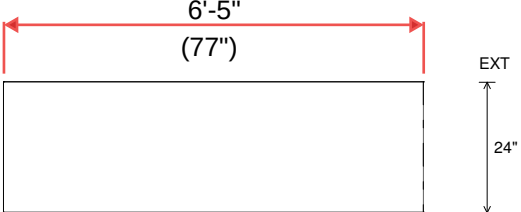
GENERAL NOTES:

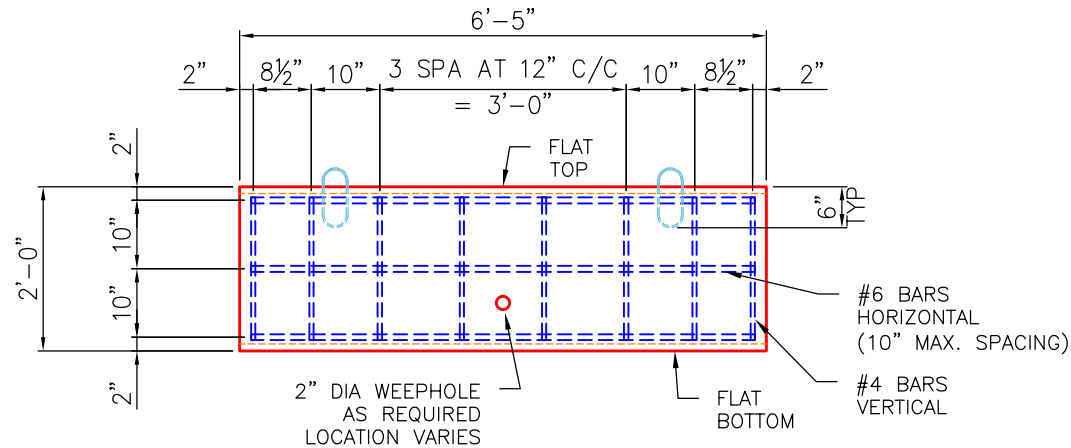
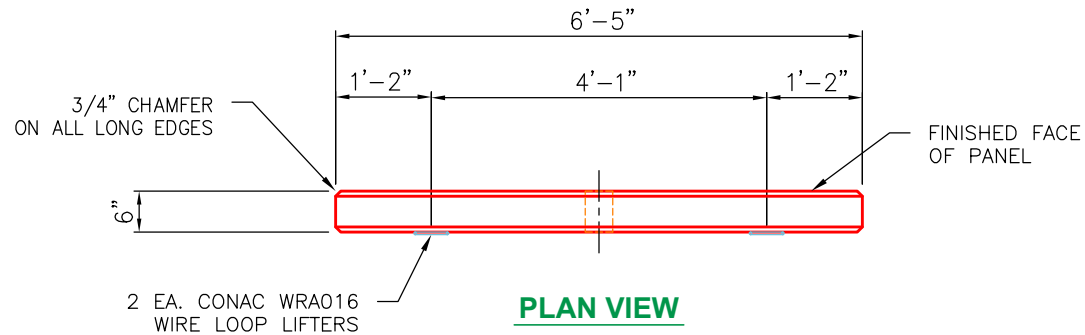
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 914 LBS
6. 21 REQUIRED.

REVISION INFORMATION	
REV.  DATE:	NO REVISIONS TO DATE

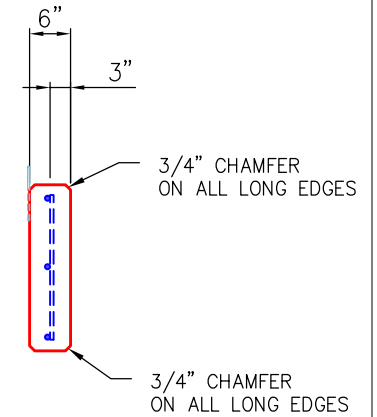


SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.		
CUSTOMER: HALL CONTRACTING OF KY INC.		
PROJECT: MITCHELL HILL ROAD PROJECT		
STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 24" HT)		
SALES ORDER NO: 26-1333		
CHECK: B. SMITH	DRAWN BY: J. HORSLEY	
DATE: 04/20/26	SCALE: NTS	PG. 1 of 1

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:27 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P11-P12											
P5 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P5) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG P4) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG Hole - 2						932 lb 932 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 6057 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 697' Rim to Invert: 8' Slack: 0" Sump: 60" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) (P5) << (P4) (P3) (P2) (P1)  INSIDE WALL DIMENSIONS (P5) 											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 24" Height (Ext): 24"		Weight (Net): 932 lb Volume (Net): 0.24cu.yd	



SIDE VIEW



END VIEW

GENERAL NOTES:

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

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



Weight (Net): 2638 lb
Volume (Net): 0.67cu.yd

Job Name: 26-2466 - Second Look Meter Vault
Job Location: CPU
Contractor: Second Look Lawn & Landscape

Plant: 100

Tech: J. Horsley

6/22/2026 2:44:10 PM

PC: T. Lewis



Structure ID: QL1

P2 BX048072-06WLD08-SP

CB FLAT TOP 6"W w/36"x36" HATCH F/F

- P3) 36" x 36" - CASTING (cast in) - 3"
P2) 48" x 72" - CB FLAT TOP 6"W w/36"x36" HATCH F/F - 8"
P1) 48" x 72" - BOX BASE 6inW, 6inF, Variable Ht F/n - 48"
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
1) This Structure Includes a Cast-in Item - Halliday W1S 36" x 36" Hatch (Supplied by iCast)
1) SECONDARY POUR
1) 48" x 72" - Conseal CS-102 1.00"
2) PSX - 8QRS-S NYLO

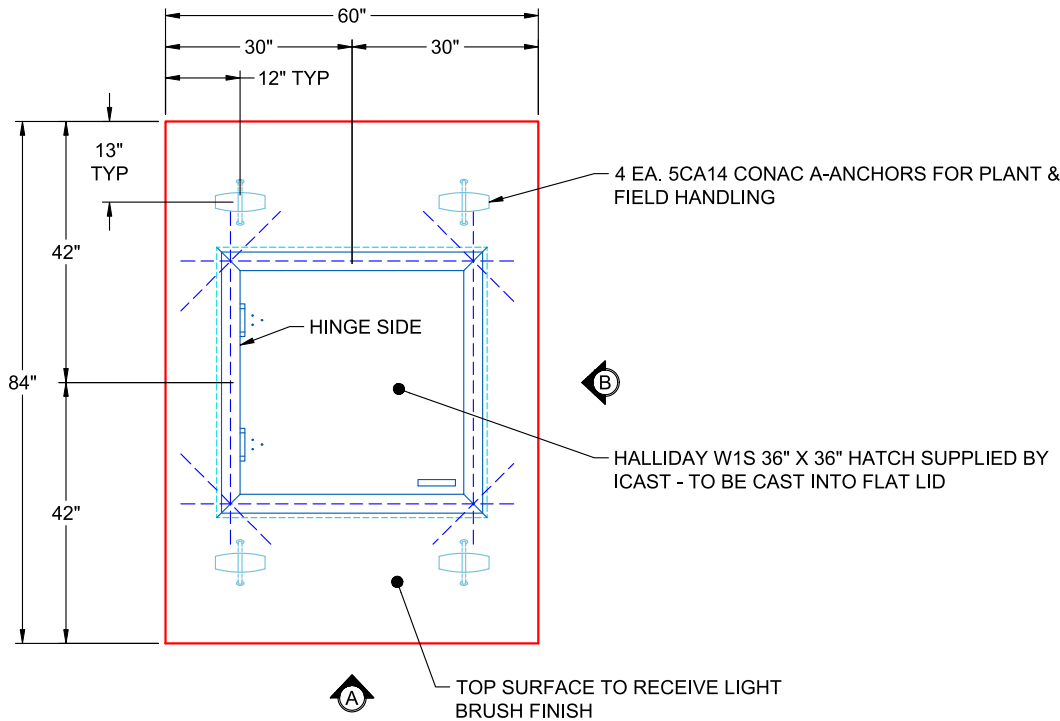
Structure Total:

0 lb
2591 lb
8867 lb
78 lb
0 lb
0 lb
0 lb
13 lb

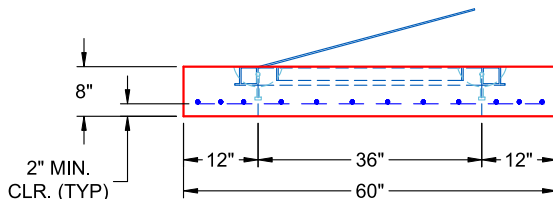
11549 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HALLIDAY W1S 36" X 36" HATCH SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID
5. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH

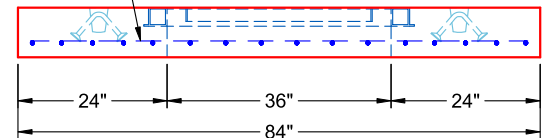


**PLAN VIEW
(RIGHT SIDE UP)**



**VIEW A
(RIGHT SIDE UP)**

#5 BAR @ 6" C.C.
E.W. (GRADE 60)



**VIEW B
(RIGHT SIDE UP)**

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2591 lb
Volume (Net): 0.66cu.yd

Job Number:

26-2466

Job Name:

Second Look Meter Vault

Structure:

QL1

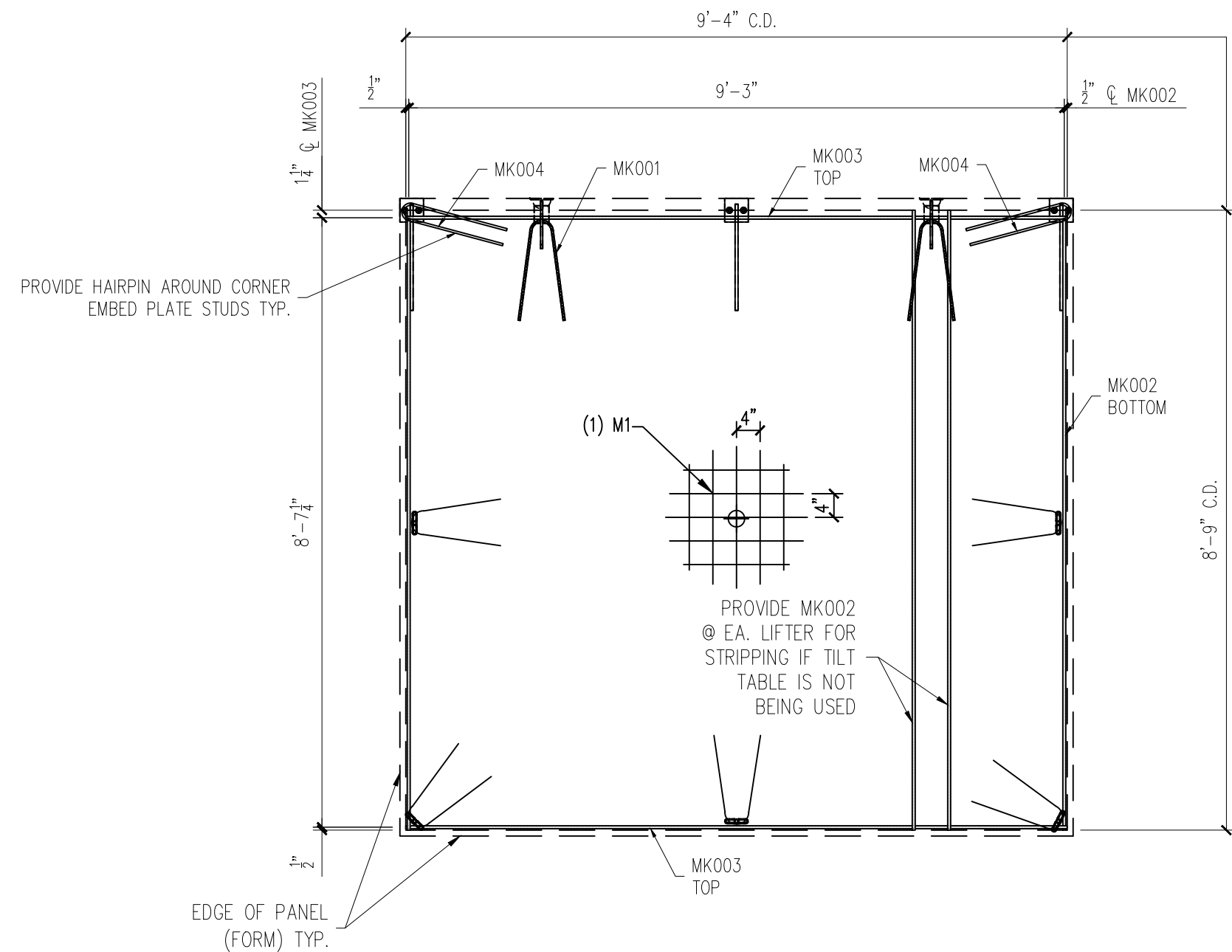
Note:

Halliday W1S 36" x 36" Hatch
Supplied By iCast To Be Cast Into
Flat Lid

1 Required

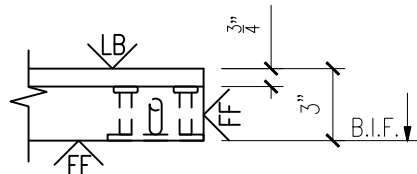
SCALE NTS
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 06.09.26
PIECE MARK BSDG-10B

25-4460
Olin Chemical Building
ID - CVW
SIDE WALL B - BSDG-10B
Weight - 3,185 LBS Each
1 Required



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

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



MESSAGE CENTER

1. REFER TO DETAILS AND SECTION FOR REINFORCEMENT PLACEMENT

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

CHECKED BY: DATE: APPROVED BY: DATE:

NOTE:
1. 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).

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

REINFORCING SCHEDULE		
MARK #	DESCRIPTION	QTY
MK001	#3 X 3'-0"	7
MK002	#3 X 8'-9"	2
MK003	#3 X 9'-4"	2
MK004	#3 X 3'-1"	2
MESH SCHEDULE		
MARK #	DESCRIPTION	QTY
M1	W4XW4 4"X4" WWF 9'-4" X 8'-9"	1

EASI-SET® WORLDWIDE

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

REV	INI.	Δ	Δ	Δ	Δ
	-	-	-	-	-

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 BSDG-10B