

Job Name: 25-4665 - Buckhorn WTP

Job Location: Hazard, KY

Contractor: Smith Contractors, Inc.

Plant: 100

7/14/2026 8:08:37 PM

Tech: J. Horsley

PC: E. Bradley



Structure ID: 54665 (4)

P9 MH144RSVF

MH RISER Custom Ht T/G

P11) 48" x 36" - HATCH (CAST FLUSH) - 0"	0 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. 2 EA. HALLIDAY W1R 48" X 36" HATCHES & 1 EA. HALLIDAY W1R 30" X 30" HATCH SUPPLIED BY OTHERS - TO BE CAST INTO FLAT LID 6. LADDER SUPPLIED BY OTHERS 7. 4 EA. 3"W X 24"L STAINLESS STEEL STRAPS SUPPLIED BY ICAST
P10) 144" - MH FLAT TOP w/(2) 48"x36" & (1) 30"x30" Hatches F/G - 18"	19644 lb	
P9) 144" - MH RISER Custom Ht T/G - 67"	36049 lb	
P8) 144" - MH RISER Custom Ht T/G - 67"	36049 lb	
P7) 144" - MH RISER Custom Ht T/G - 67"	36049 lb	
P6) 144" - MH RISER Custom Ht T/G - 67"	36049 lb	
P5) 144" - MH RISER Custom Ht T/G - 56"	30130 lb	
P4) 144" - MH RISER Custom Ht T/G - 74"	39815 lb	
P3) 144" - MH RISER Custom Ht T/G - 74"	39815 lb	
P2) 144" - MH RISER Custom Ht T/F - 74"	39445 lb	
P1) 144" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"	0 lb	Structure Total: 326546 lb
8) JOINT WRAP - 12" WD x 144" MAC WRAP	0 lb	
1) SECONDARY POUR - Intermediate Slab (In Riser P5)	0 lb	
1) This Structure Includes a Cast-in Item - Hatches (Supplied by Others)	13500 lb	
4) Stainless Steel Strap - 3"W x 24"L Stainless Steel Strap	0 lb	
9) 144" - Conseal CS-231 1.00" (Double)	0 lb	
1) A-Lok - 0630	1 lb	

Rim: 755'		Rim to Invert: 46'	Slack: 0"	Sump: 12"	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										

(P11)

(P10)

(P9) <<

(P8)

(P7)

(P6)

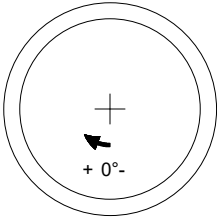
(P5)

(P4)

(P3)

(P2)

(P1)



INSIDE WALL DIMENSIONS

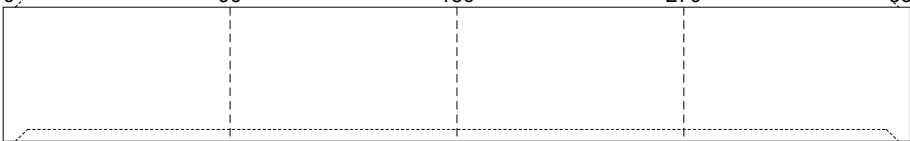
0°

90°

180°

270°

360°



EXT 67"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 13"

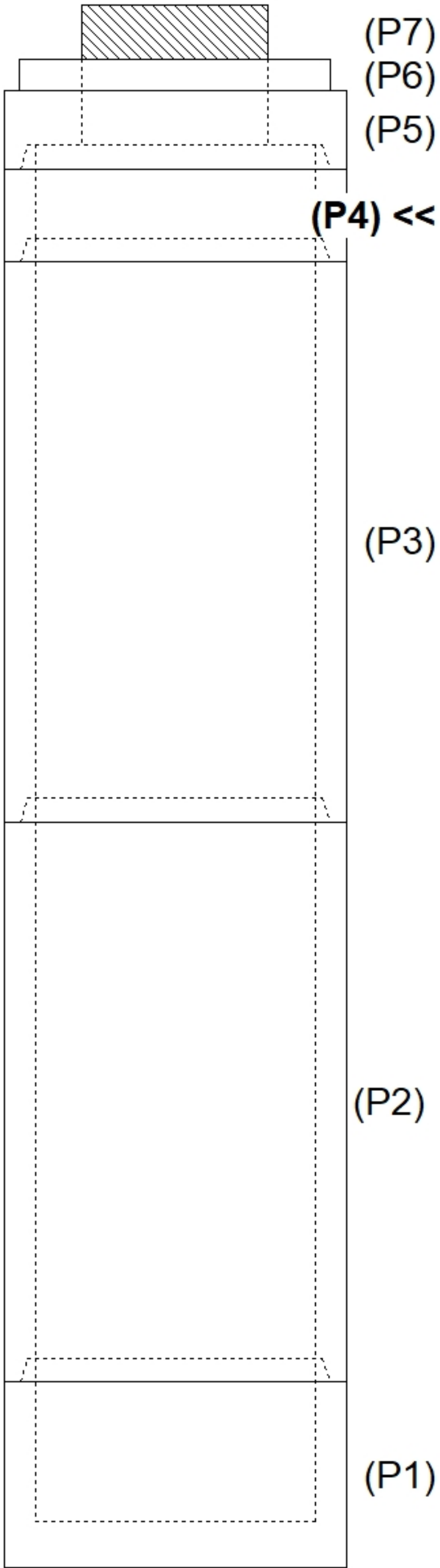
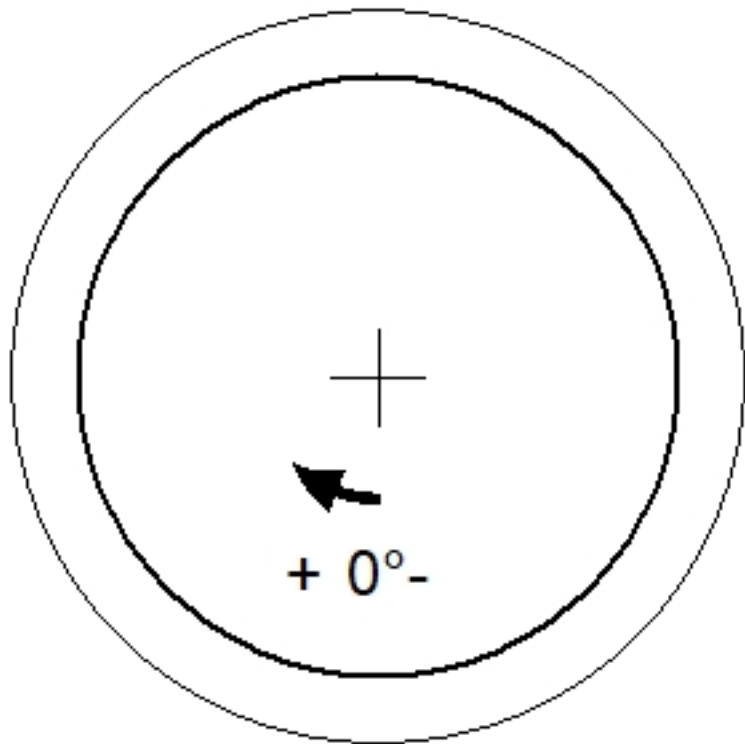
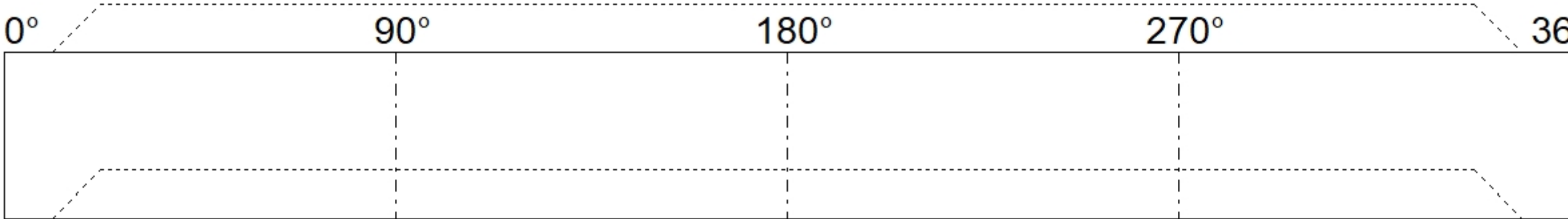
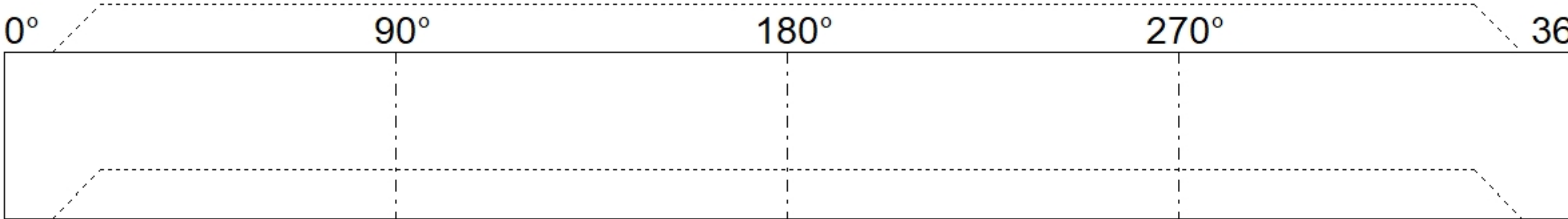
Floor Height: 0"

Height (Int): 67"

Height (Ext): 67"

Weight (Net): 36049 lb

Volume (Net): 9.21cu.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 9:09:22 AM		Tech: S. Felletter PC: T. Ryan						
Structure ID: S216												
P4		MH036RS12		MH 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): 12" Height (Ext): 12"		Weight (Net): 506 lb Volume (Net): 0.13cu.yd		

Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100
7/20/2026 8:30:34 AM

Tech: Jared - F
PC: T. Ryan



Structure ID: MH-2

P2 MH048CN24

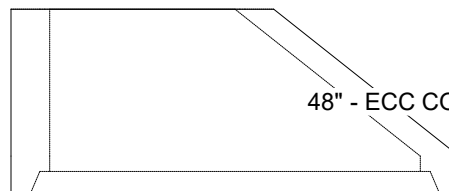
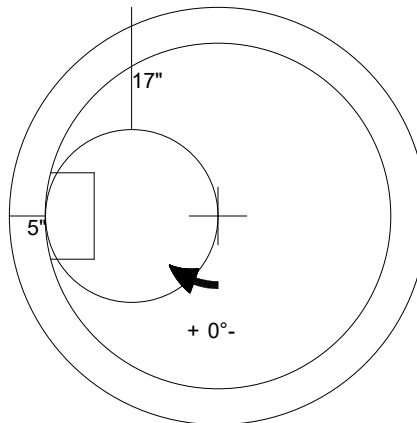
ECC CONE w/ 24" HOLE

- P3) 24" - CASTING HEIGHT - 5"
P2) 48" - ECC CONE w/ 24" HOLE - 24"
P1) 48" - MH BASE Custom Ht - 40"
1) 48" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 32
5) MH Step ML-10-TDS-NCR - 10"

0 lb
1550 lb
3398 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 4948 lb

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIES BY OTHERS.
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.



48" - ECC CONE w/ 24" HOLE - 24" - (P2)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 1550 lb Volume (Net): 0.33cu.yd
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Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

7/20/2026 8:30:33 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: CB-37

P2 MH048LD12CC

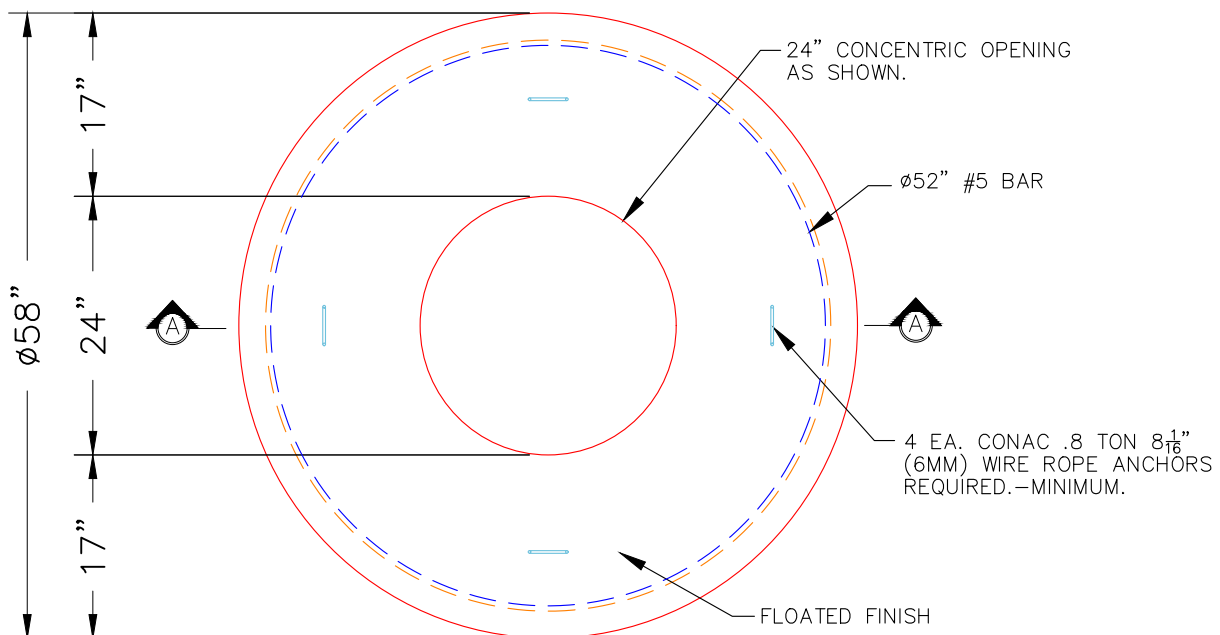
MH FLAT TOP w/ 24" Center Hole

- P3) 24" - CASTING HEIGHT - 4"
P2) 48" - MH FLAT TOP w/ 24" Center Hole - 12"
P1) 48" - MH BASE Custom Ht - 53"
1) 48" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 32
4) MH Step ML-10-TDS-NCR - 10"

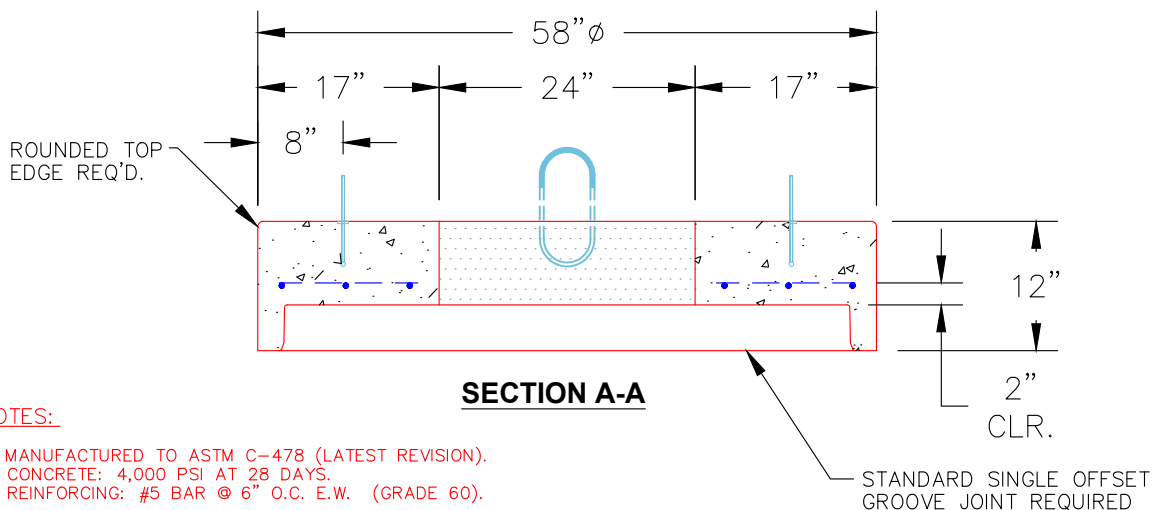
Structure Total:

- 0 lb
1580 lb
4306 lb
0 lb
0 lb
0 lb
0 lb

5886 lb
- Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.



PLAN VIEW



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

7/20/2026 8:29:55 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: MH-2

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 5"
P2) 48" - ECC CONE w/ 24" HOLE - 24"
P1) 48" - MH BASE Custom Ht - 40"
1) 48" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 32
5) MH Step ML-10-TDS-NCR - 10"

0 lb
1550 lb
3398 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 4948 lb

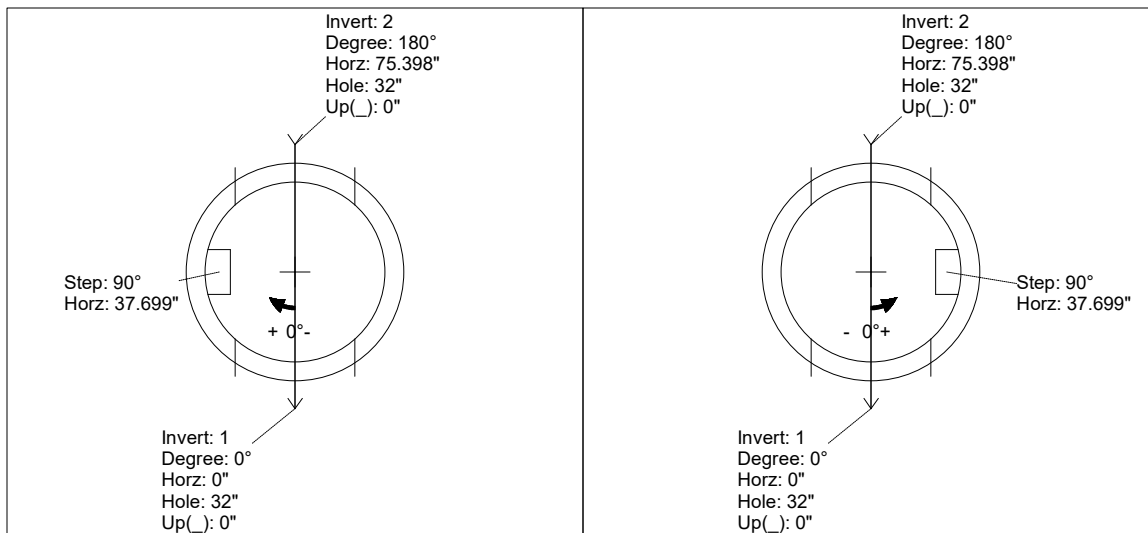
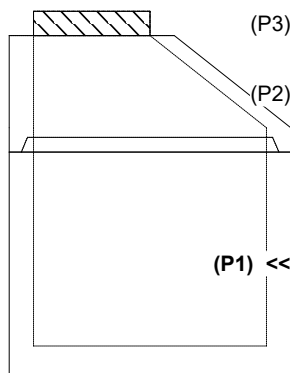
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIES BY OTHERS.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 1076.5' Rim to Invert: 5.55' Slack: 0.6" Sump: 3" Step Position: 90°

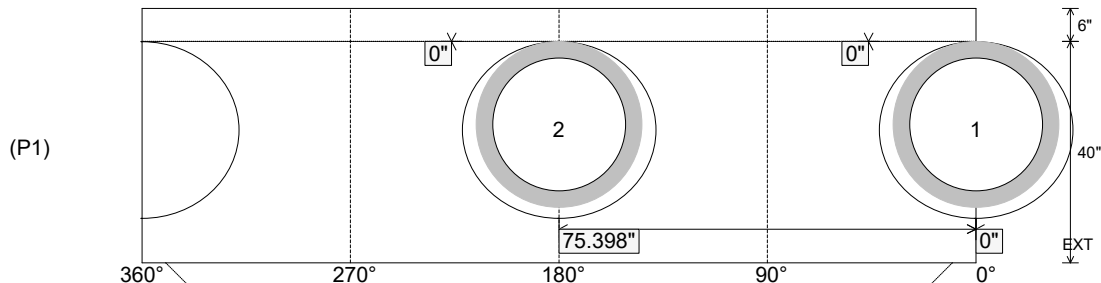
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	1070.95'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 2	1070.95'	180°	91.106"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 40"
Height (Ext): 46"

Weight (Net): 3398 lb
Volume (Net): 0.87cu.yd

Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

7/20/2026 8:29:51 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: CB-37

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 4"
P2) 48" - MH FLAT TOP w/ 24" Center Hole - 12"
P1) 48" - MH BASE Custom Ht - 53"
1) 48" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 32
4) MH Step ML-10-TDS-NCR - 10"

- 0 lb
1580 lb
4306 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 5886 lb
- Structure Notes:**
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS.

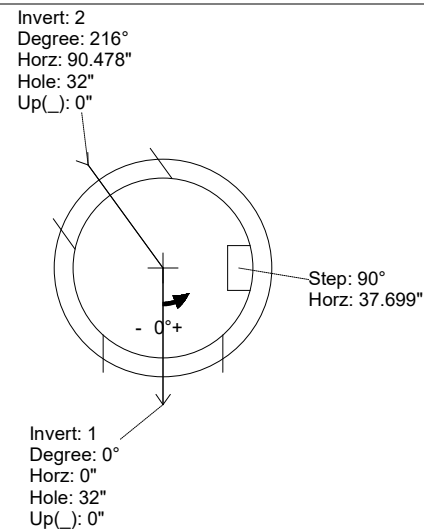
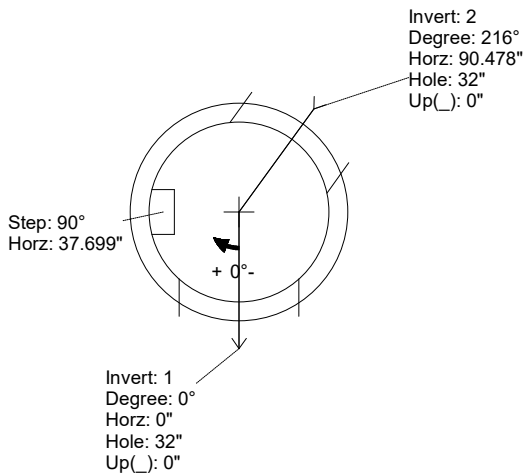
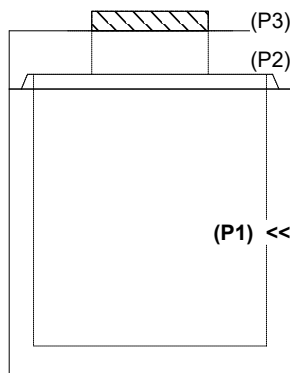
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 1076' Rim to Invert: 5.53' Slack: 0.36" Sump: 3" Step Position: 90

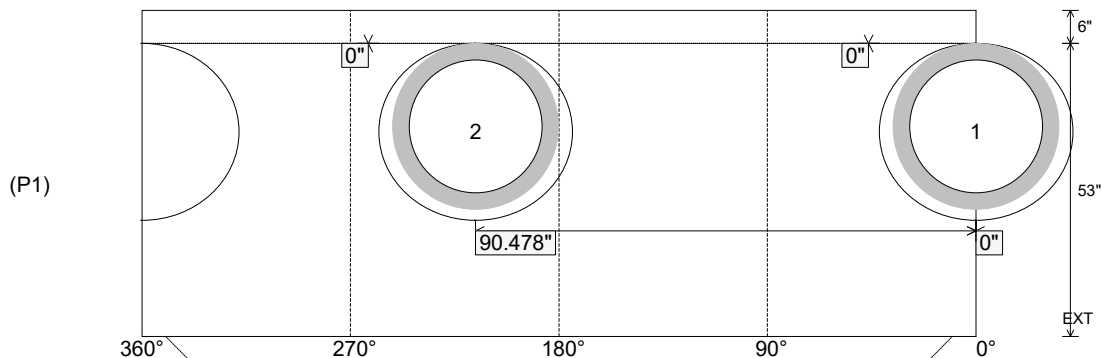
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	1070.47'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 2	1070.47'	216°	109.327"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 53"
Height (Ext): 59"

Weight (Net): 4306 lb
Volume (Net): 1.1cu.yd

Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

7/20/2026 8:29:49 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: CB-33

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 4"
P2) 48" - MH FLAT TOP w/ 24" Center Hole - 12"
P1) 48" - MH BASE Custom Ht - 46"
1) 48" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 32
4) MH Step ML-10-TDS-NCR - 10"

0 lb
1580 lb
3817 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 5397 lb

Structure Notes:

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

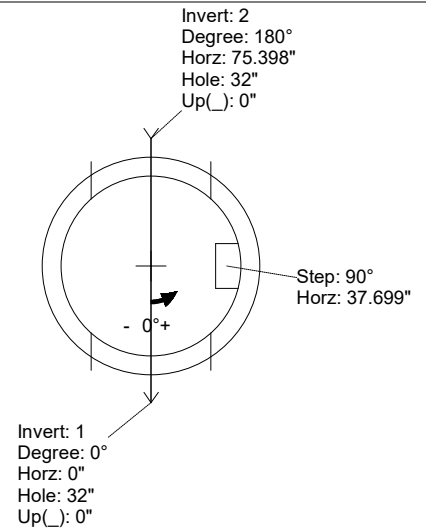
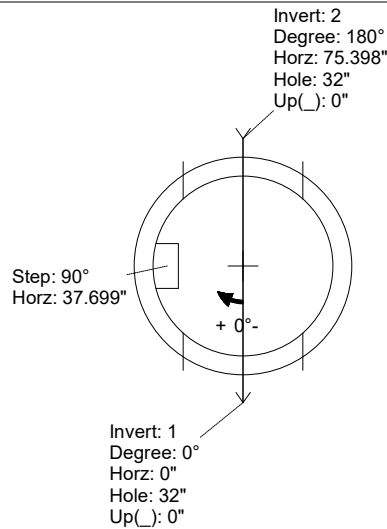
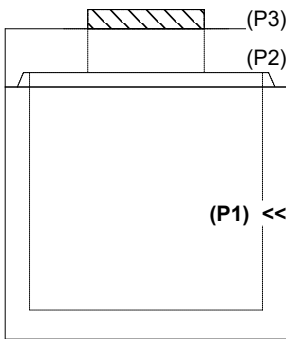
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 1076' Rim to Invert: 4.95' Slack: 0.4" Sump: 3" Step Position: 90°

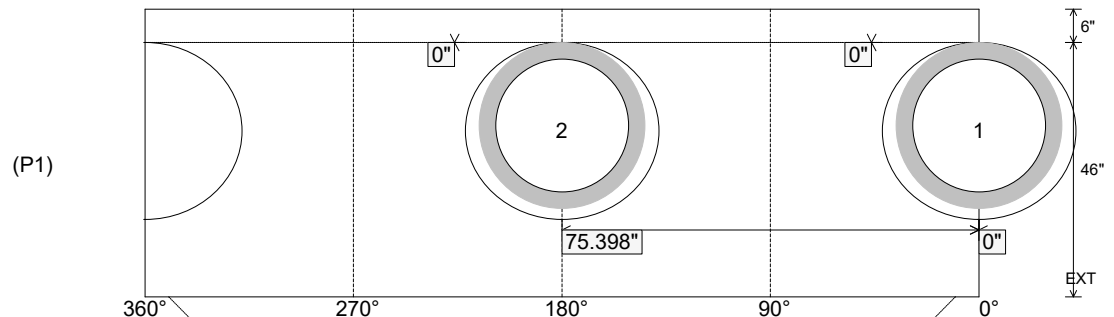
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	1071.05'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 2	1071.05'	180°	91.106"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

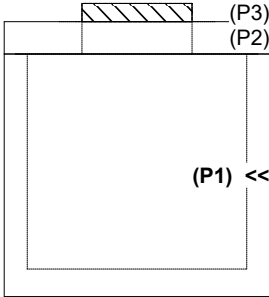
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

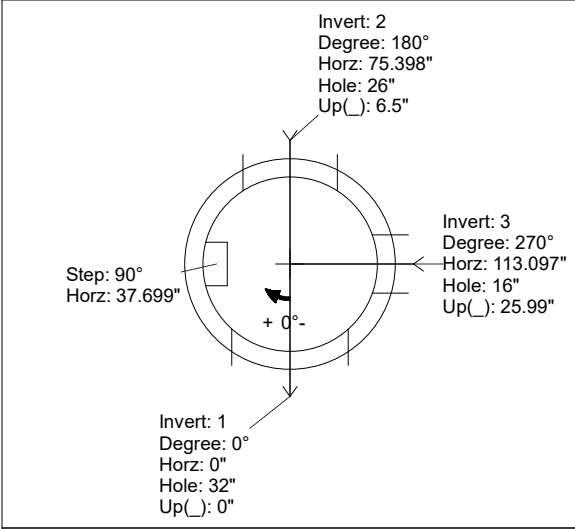
Height (Int): 46"
Height (Ext): 52"

Weight (Net): 3817 lb
Volume (Net): 0.98cu.yd

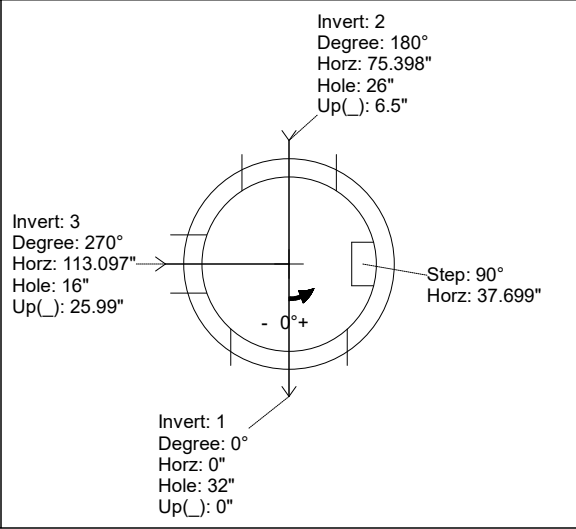
Job Name: 26-1733 - Liberty Power Station Job Location: Liberty, KY Contractor: Weddle Enterprises, Inc					Plant: 100 7/20/2026 2:23:22 PM		Tech: Jared - F PC: T. Ryan			
Structure ID: CB-31										
P1 MH048BAVF MH BASE Custom Ht										
P3) 24" - CASTING HEIGHT - 4" P2) 48" - MH FLAT TOP w/ 24" Center Hole - 7" P1) 48" - MH BASE Custom Ht - 47" 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) Hole - 32 1) Hole - 26 1) Hole - 16 4) MH Step ML-10-TDS-NCR - 10"					0 lb 1700 lb 3931 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 5631 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING SUPPLIED BY OTHERS. 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: 1076' Rim to Invert: 4.64' Slack: 0.68" Sump: 3" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	1071.36'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 2	1071.86'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	6.5"	0"
Invert 3	1073.38'	270°	136.659"	12" HDPE	14.5"	Hole 16	16"	16.312"	25.99"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



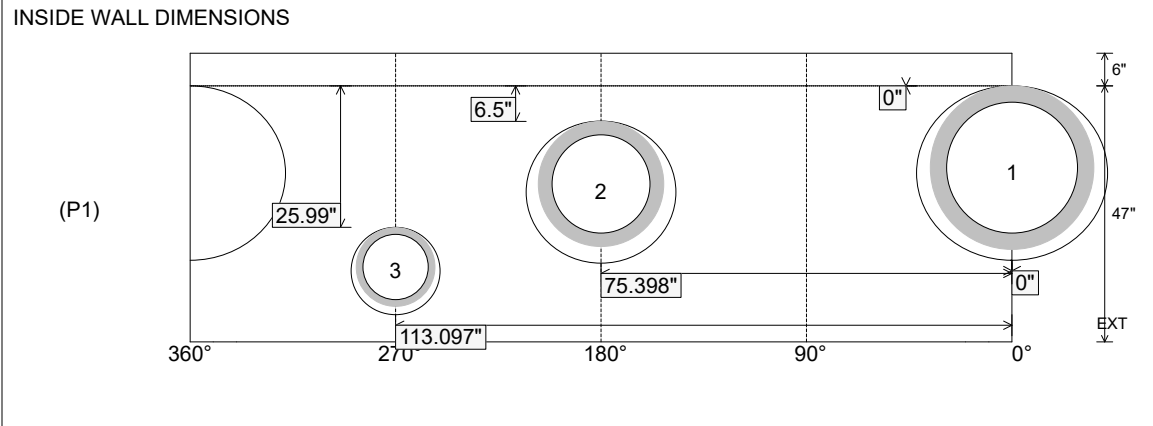
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 47" Height (Ext): 53"	Weight (Net): 3931 lb Volume (Net): 1cu.yd
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Job Name: 26-1733 - Liberty Power Station Job Location: Liberty, KY Contractor: Weddle Enterprises, Inc					Plant: 100		Tech: Jared - F			
					7/20/2026 2:23:21 PM		PC: T. Ryan			
Structure ID: CB-28										
P1 MH048BAVF			MH BASE Custom Ht							
P3) 24" - CASTING HEIGHT - 4" P2) 48" - MH FLAT TOP w/ 24" Center Hole - 7" P1) 48" - MH BASE Custom Ht - 34" 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 26 1) Hole - 16 3) MH Step ML-10-TDS-NCR - 10"					0 lb 1700 lb 3153 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4853 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING SUPPLIED BY OTHERS. 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: 1076' Rim to Invert: 3.81' Slack: 0.72" Sump: 0" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1072.19'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 2	1072.19'	180°	91.106"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 3	1073.43'	270°	136.659"	12" HDPE	14.5"	Hole 16	16"	16.312"	13.63"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

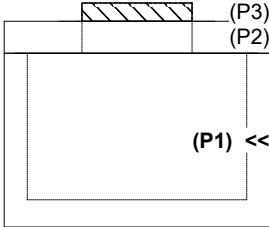
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

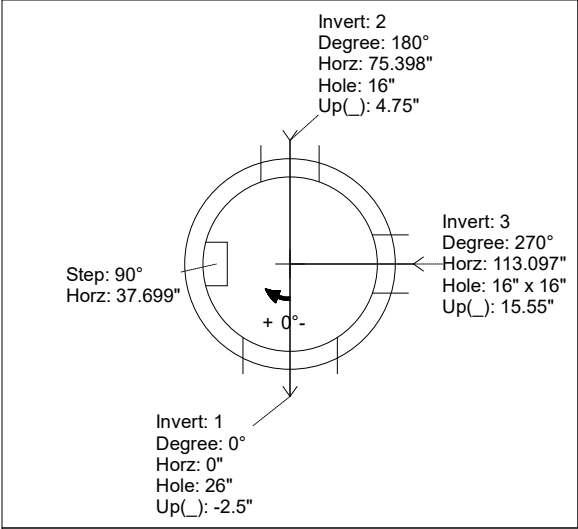
INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 34" Height (Ext): 40"	Weight (Net): 3153 lb Volume (Net): 0.8cu.yd
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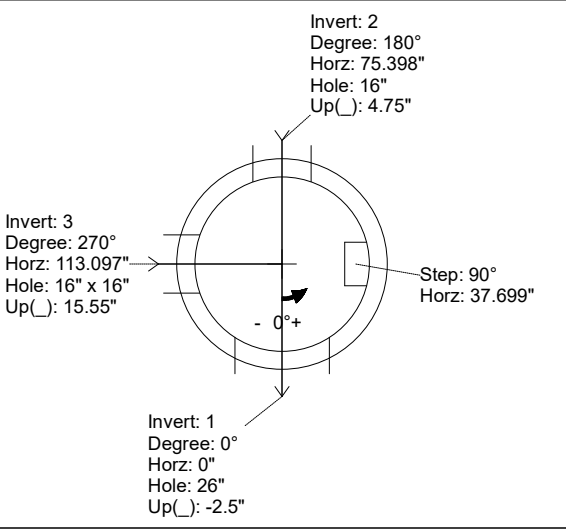
Job Name: 26-1733 - Liberty Power Station Job Location: Liberty, KY Contractor: Weddle Enterprises, Inc				Plant: 100 7/20/2026 2:23:20 PM		Tech: Jared - F PC: T. Ryan				
Structure ID: CB-26										
P1		MH048BAVF		MH BASE Custom Ht						
P3) 24" - CASTING HEIGHT - 4" P2) 48" - MH FLAT TOP w/ 24" Center Hole - 7" P1) 48" - MH BASE Custom Ht - 32" 1) 48" - Conseal CS-102 1.00" 1) Hole - 26 1) Hole - 16 1) DOGHOUSE INVRTD - 16"x16" 3) MH Step ML-10-TDS-NCR - 10"				0 lb 1700 lb 3146 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 4846 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING SUPPLIED BY OTHERS. 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: 1076'		Rim to Invert: 3.6'		Slack: 0.2"		Sump: 0"		Step Position: 90°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1072.4'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	-2.5"	0"
Invert 2	1072.9'	180°	91.106"	12" HDPE	14.5"	Hole 16	16"	16.312"	4.75"	0"
Invert 3	1073.8'	270°	136.659"	12" HDPE	14.5"	DOGHOUSE INVRTD 16"x16"	16" x 16"	16.312"	15.55"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



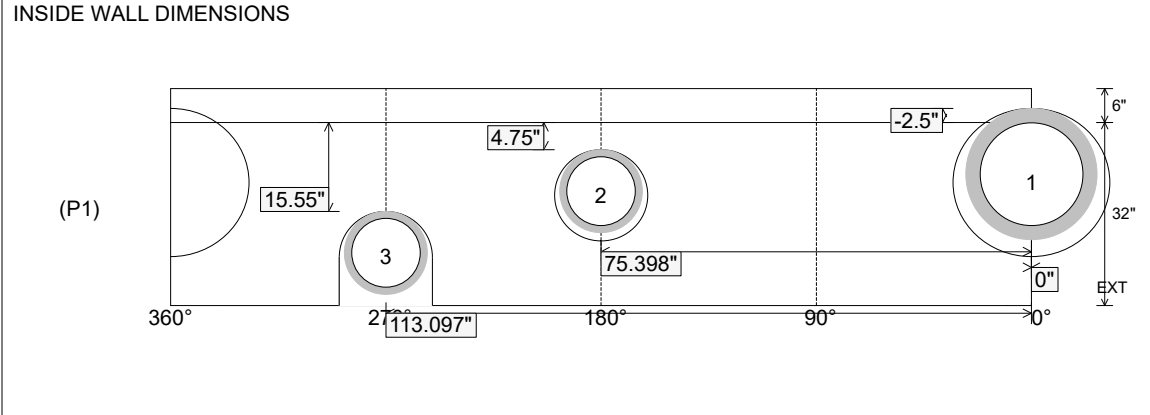
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

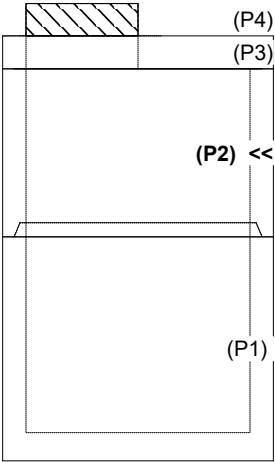


INSIDE WALL DIMENSIONS



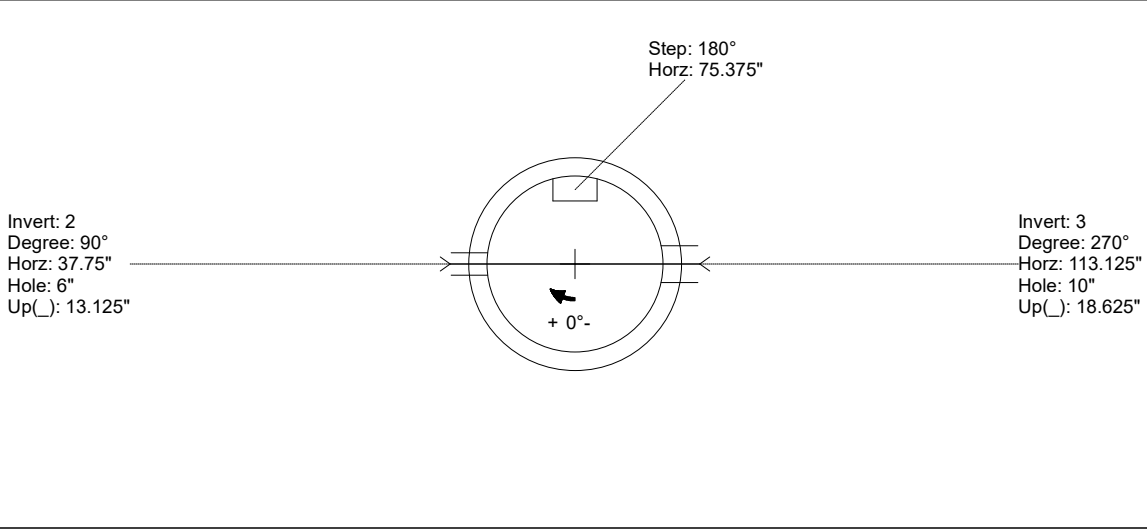
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 32" Height (Ext): 38"	Weight (Net): 3146 lb Volume (Net): 0.8cu.yd
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Job Name: 26-2090 - Monroe Co Area Tech Center Renovation Job Location: Tompkinsville, KY Contractor: Lindsey's Dirt Works LLC					Plant: 100 7/20/2026 6:19:57 PM		Tech: Jared - F PC: M. Sullivan				
Structure ID: 3 ST-MH											
P2 MH048RS36S		MH RISER F/G									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - MH FLAT TOP w/ 24" ECC Hole F/F - 7" P2) 48" - MH RISER F/G - 36" P1) 48" - MH BASE T/n - 42" 1) CASTING - HOE MC-375 F/C Storm 2) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) Hole - 16 1) Hole - 6 1) Hole - 10 7) MH Step ML-10-TDS-NCR - 10"					0 lb 1286 lb 2470 lb 4179 lb 271 lb 0 lb 0 lb 0 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. NO INVERT CHANNEL. 4. 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.				
Structure Total: 8206 lb											
Rim: 863.04' Rim to Invert: 7.69' Slack: 0.28" Sump: 0" Step Position: 180°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2	860.33'	90°	45.5"	4" HDPE	4.8"	Hole 6	6"	6.016"	13.125"	0"	
Invert 3	860.79'	270°	136.625"	6" HDPE	6.9"	Hole 10	10"	10.074"	18.625"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)



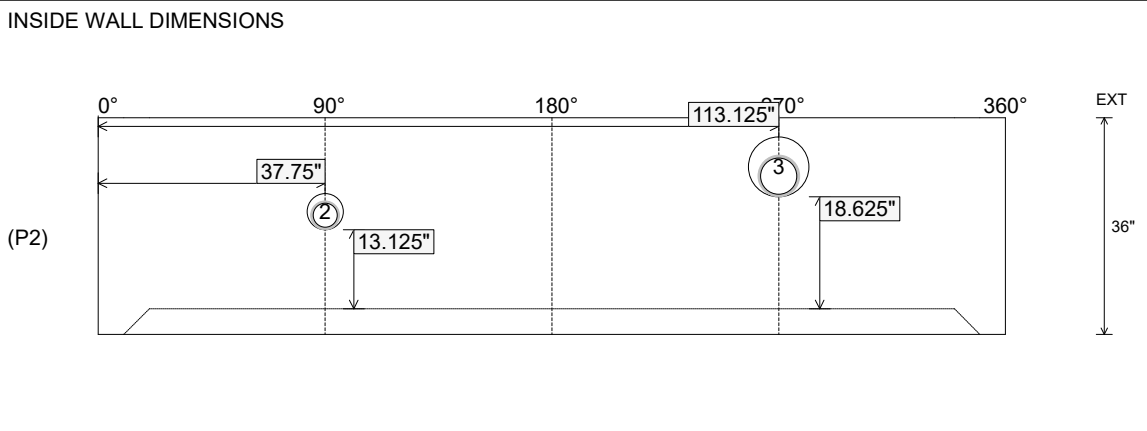
Step: 180°
Horz: 75.375"

Invert: 2
Degree: 90°
Horz: 37.75"
Hole: 6"
Up(): 13.125"

Invert: 3
Degree: 270°
Horz: 113.125"
Hole: 10"
Up(): 18.625"

+ 0°

INSIDE WALL DIMENSIONS



(P2)

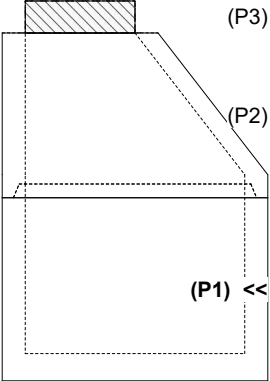
0° 90° 180° 270° 360°

37.75" 13.125" 113.125" 18.625" 36" EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 2470 lb Volume (Net): 0.63cu.yd
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Weight (Net): 5376 lb
Volume (Net): 1.37cu.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											

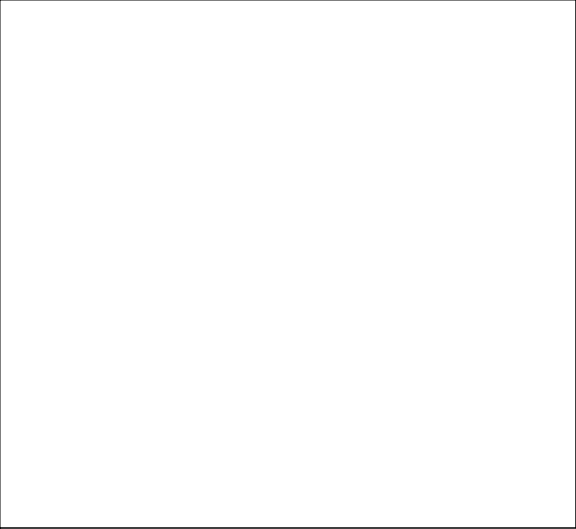


(P3)

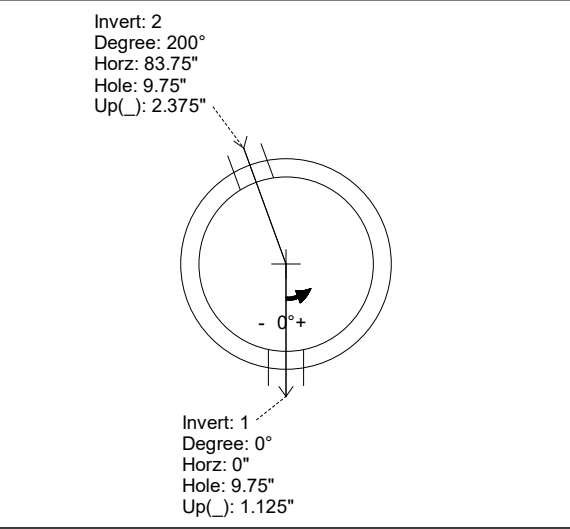
(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



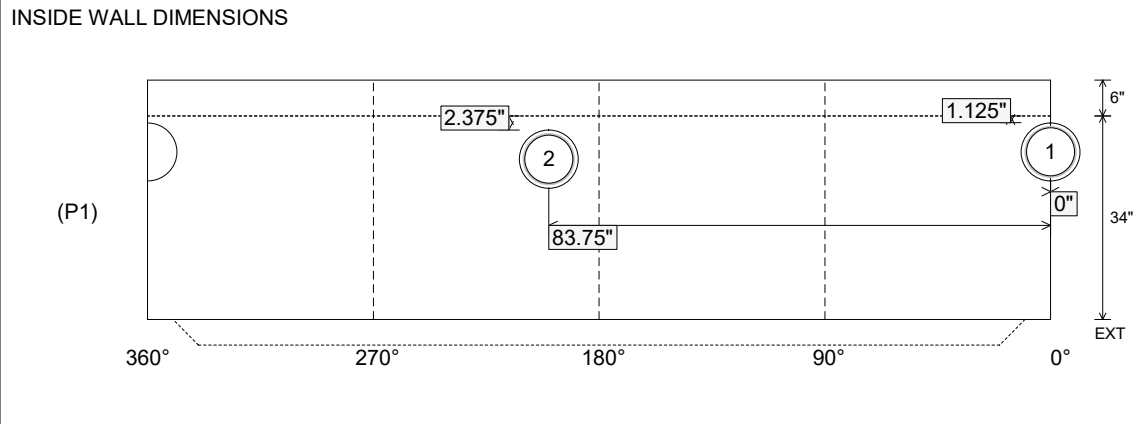
UPSIDE-DOWN VIEW (int. dimensions)



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"

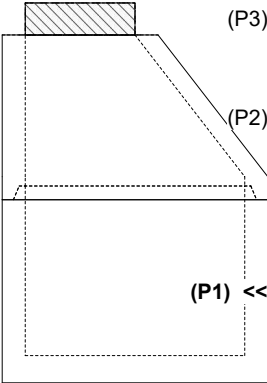
1.125"

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											

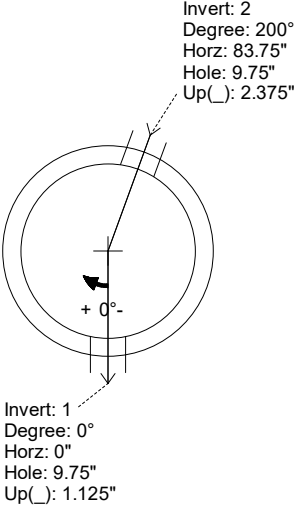


(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



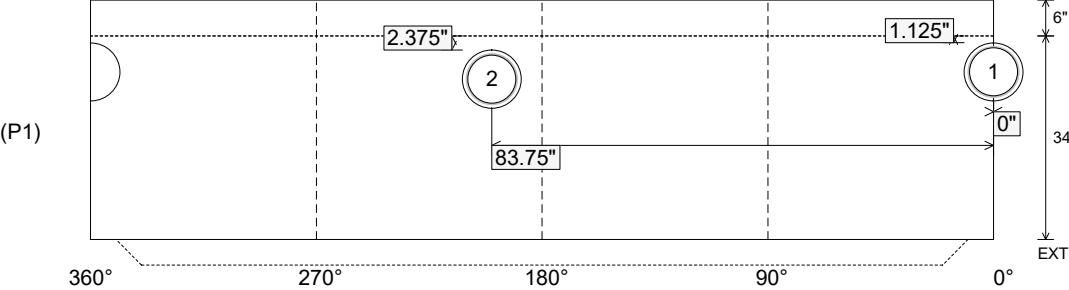
Invert: 2
Degree: 200°
Horz: 83.75"
Hole: 9.75"
Up(): 2.375"

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: 26-2763 - The Flats of Martin
Job Location: Paris, TN 38242
Contractor: BTM Excavating, LLC

Plant: 100

7/14/2026 11:10:43 AM

Tech: Jared - F

PC: T. Lewis



Structure ID: MH-2 SS-MH

P2 MH048LD12CDARED

MH FLAT TOP w/24" Hole ECC w/ConBlock-CDA Red F/G

- 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"

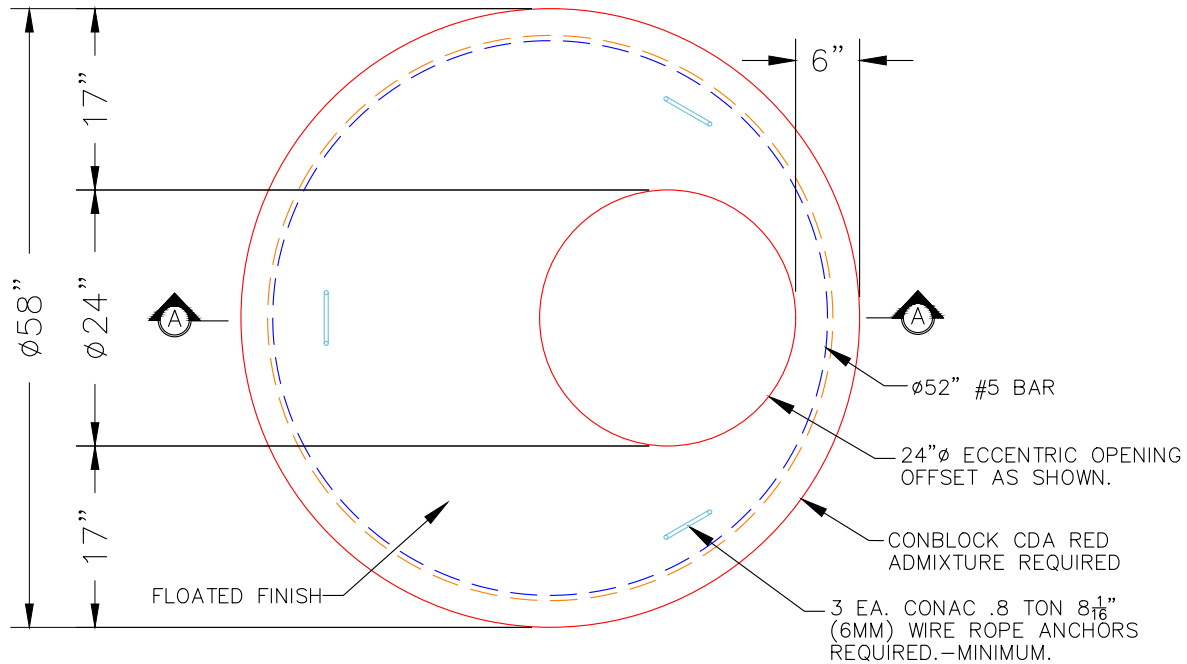
0 lb
1580 lb
2374 lb
0 lb
0 lb
0 lb
1440 lb
250 lb
0 lb
0 lb
8 lb
16 lb
0 lb

Structure Total: 5668 lb

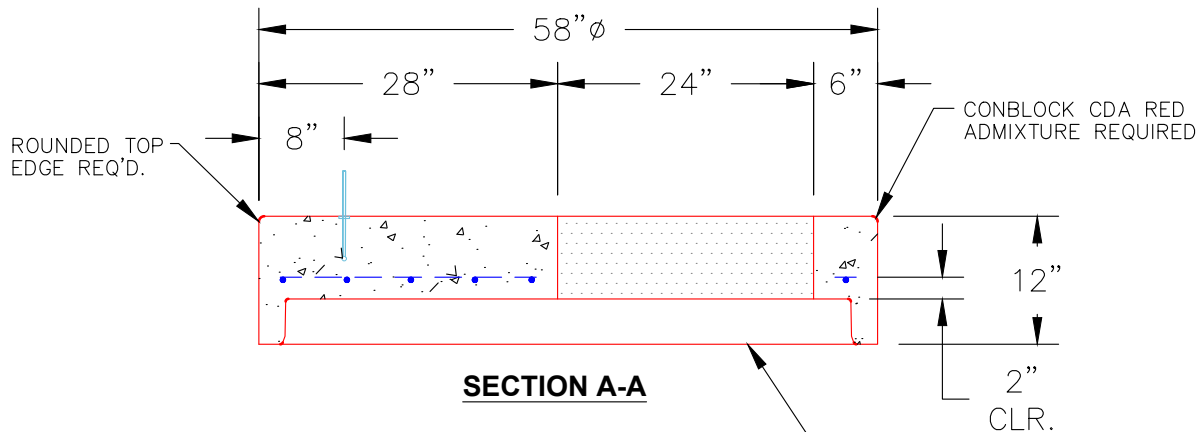
Structure Notes:

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.



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

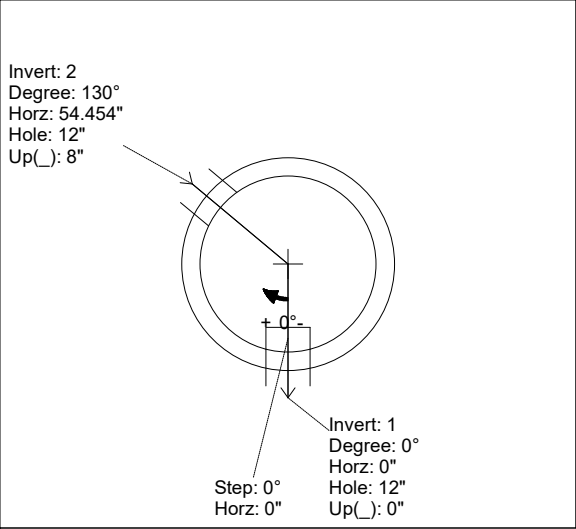
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

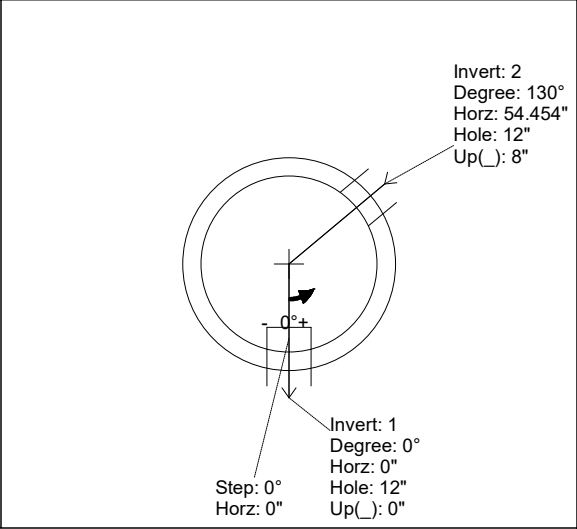
Height (Ext): 12"

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

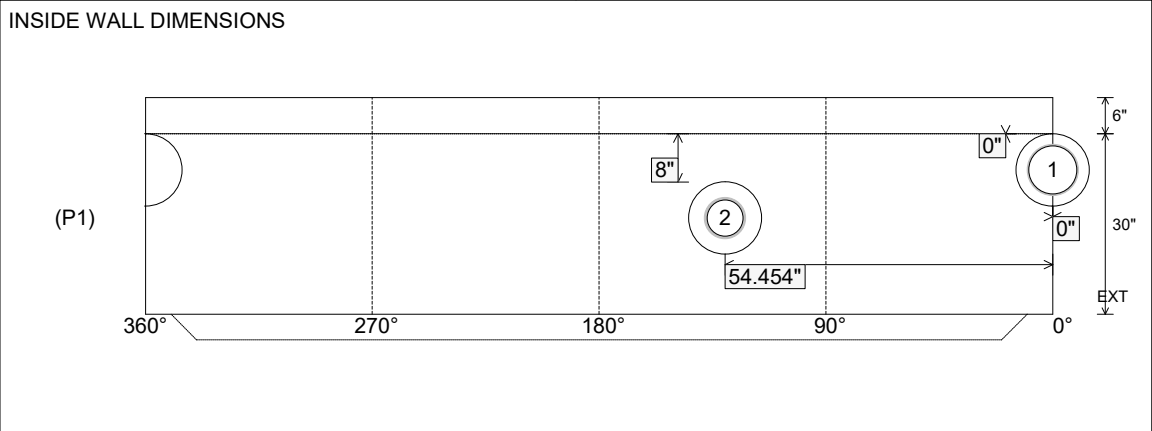
Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100 7/10/2026 8:12:55 AM		Tech: Jared - A PC: Erica Bradley			
Structure ID: A5.3										
P1		MH048BA30X		MH BASE w/XYPEX						
P5) 24" - CASTING HEIGHT - 7" P4) 24" - XYPEX GRADE RING - 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		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:					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	709.12'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	709.87'	130°	65.799"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	8"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

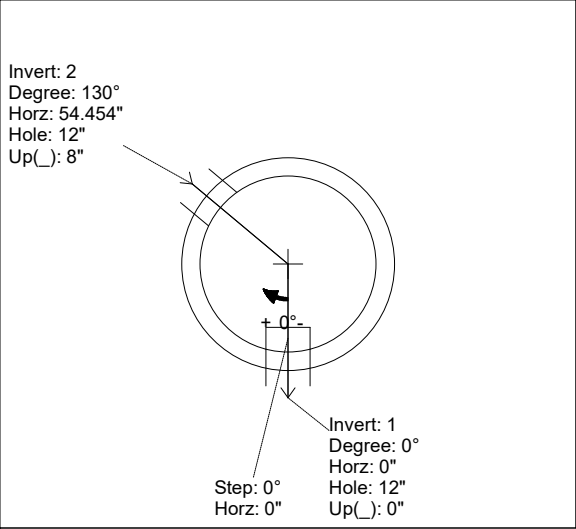


INSIDE WALL DIMENSIONS

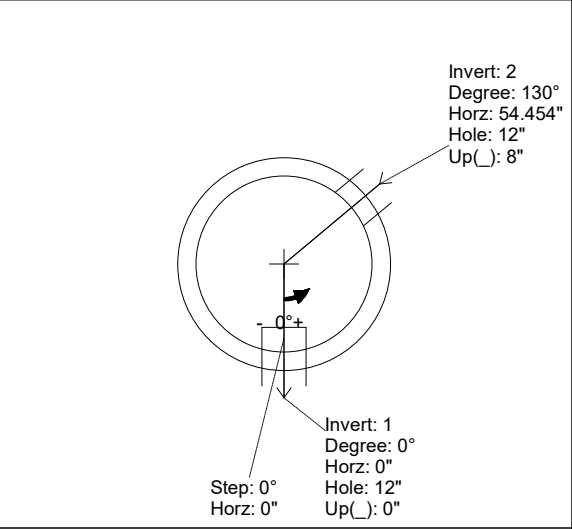
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
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Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100 7/10/2026 8:12:55 AM		Tech: Jared - A PC: Erica Bradley			
Structure ID: A5.3										
P1 MH048BA30X		MH BASE w/XYPEX								
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		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: 720.37' Rim to Invert: 11.25' Slack: 0" Sump: 2" Step Position: 0°					Structure Total: 11749 lb					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	709.12'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	709.87'	130°	65.799"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.129"	8"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

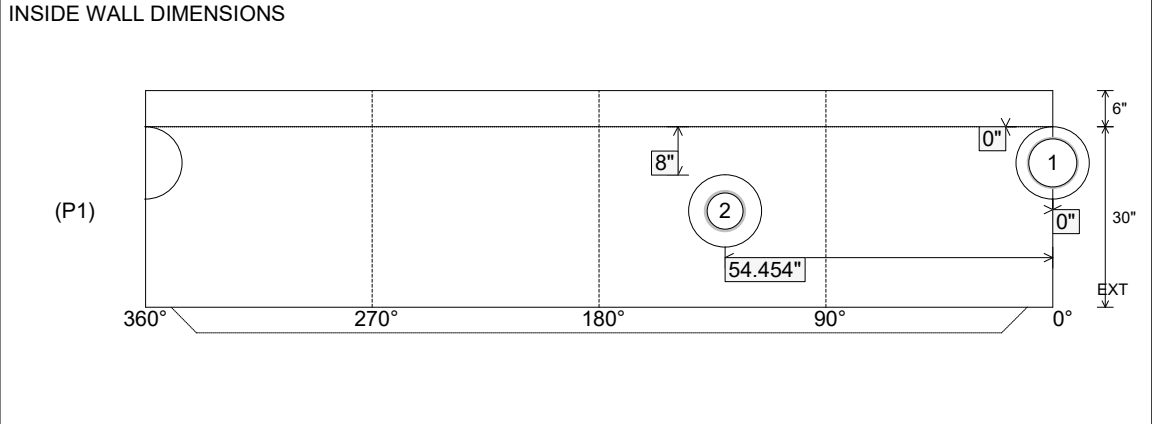
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.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 8:13:00 AM		Tech: Jared - A PC: Erica Bradley			
Structure ID: A10										
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 - 36" P3) 48" - MH RISER w/XYPEX - 60" 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 3) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 15) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 2251 lb 4192 lb 4192 lb 2911 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 15454 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: 15.74' Slack: 0.88" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	710.52'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	710.62'	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) <<

RIGHT-SIDE UP VIEW (int. dimensions)

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

+ 0°-

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

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

- 0°+

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

1.2"

75.398"

0"

0"

6"

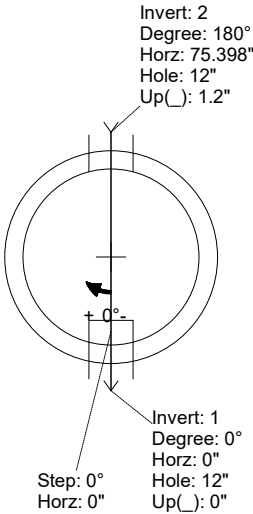
24"

EXT

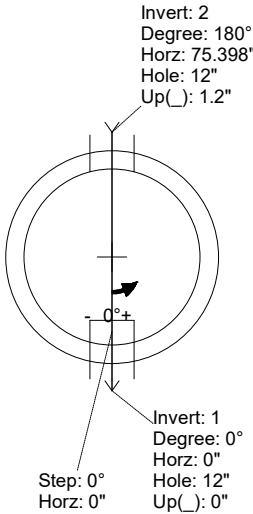
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2911 lb Volume (Net): 0.74cu.yd
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Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100 7/10/2026 8:13:00 AM		Tech: Jared - A PC: Erica Bradley			
Structure ID: A10										
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 - 36" P3) 48" - MH RISER w/XYPEX - 60" 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 3) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 15) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 2251 lb 4192 lb 4192 lb 2911 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 16 lb 0 lb Structure Total: 15454 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: 15.74' Slack: 0.88" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	710.52'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	710.62'	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										

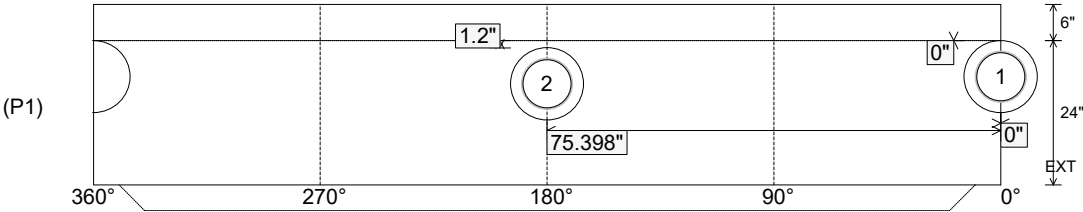
RIGHT-SIDE UP VIEW (int. dimensions)



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
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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 3:22:02 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: MH-7

P2 MH048LD12ECC

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

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
P1) 48" - MH BASE 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-WT F/C Sanitary
1) 48" - Conseal CS-102 1.00" (Double)
2) PSX - 12M NYLO
2) MH Step ML-10-TDS-NCR - 10"

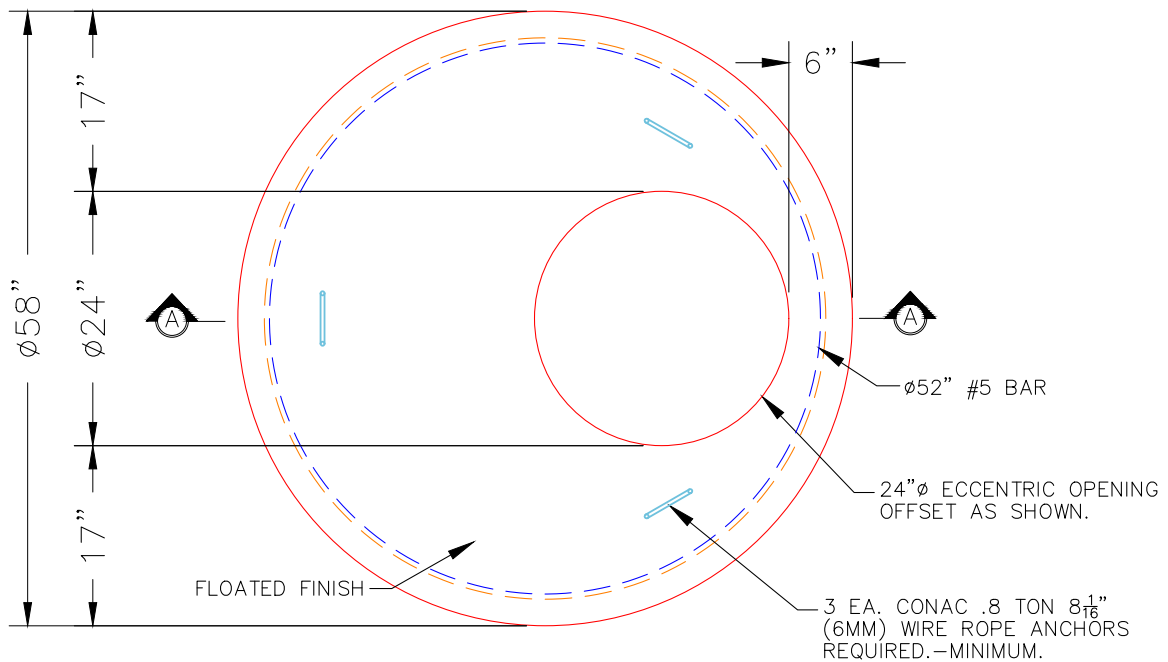
Structure Total:

0 lb
1561 lb
3330 lb
10 lb
1440 lb
0 lb
0 lb
271 lb
0 lb
16 lb
0 lb

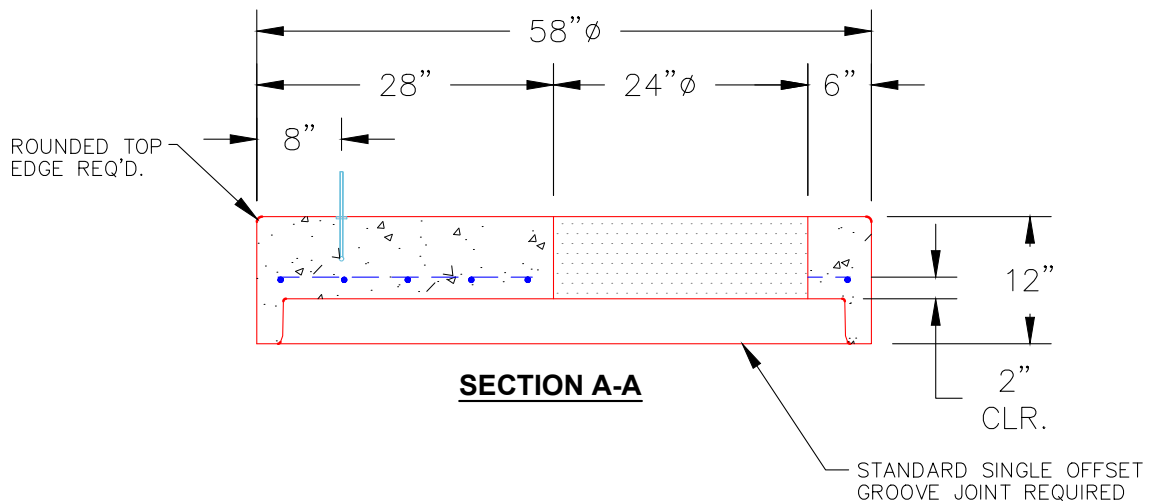
6628 lb

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



PLAN VIEW



SECTION A-A

NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

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

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100		Tech: Jared - F			
					6/2/2026 10:54:40 AM		PC: E. Bradley			
Structure ID: A8 (12)										
P1 MH048BAVF-D					MH BASE T/n					
P4) 24" - CASTING HEIGHT - 7" P3) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P2) 48" - MH RISER Custom Ht T/G - 56" P1) 48" - MH BASE T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16M DD 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC					0 lb 1561 lb 3888 lb 2811 lb 1440 lb 0 lb 0 lb 16 lb 0 lb 0 lb ----- Structure Total: 9717 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 @ 85°, 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: 560.41' Rim to Invert: 8.09' Slack: 0.08" Sump: 2" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	552.32'	0°	0"	12" DI	13"	PSX 16M DD	16"	16.312"	0"	0"
Invert 2	552.42'	265°	134.125"	12" DI	13"	PSX 16M DD	16"	16.312"	1.25"	0"
Invert 3										
Invert 4	552.52'	85°	43"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	4.125"	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): 24" Height (Ext): 30"	Weight (Net): 2811 lb Volume (Net): 0.72cu.yd
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Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100		Tech: Jared - F				
					6/2/2026 10:54:40 AM		PC: E. Bradley				
Structure ID: A8 (12)											
P1 MH048BAVF-D					MH BASE T/n						
P4) 24" - CASTING HEIGHT - 7" P3) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P2) 48" - MH RISER Custom Ht T/G - 56" P1) 48" - MH BASE T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16M DD 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC					0 lb 1561 lb 3888 lb 2811 lb 1440 lb 0 lb 0 lb 16 lb 0 lb 0 lb ----- Structure Total: 9717 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 @ 85°, 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: 560.41' Rim to Invert: 8.09' Slack: 0.08" Sump: 2" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	552.32'	0°	0"	12" DI	13"	PSX 16M DD	16"	16.312"	0"	0"	
Invert 2	552.42'	265°	134.125"	12" DI	13"	PSX 16M DD	16"	16.312"	1.25"	0"	
Invert 3											
Invert 4	552.52'	85°	43"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	4.125"	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): 24" Height (Ext): 30"	Weight (Net): 2811 lb Volume (Net): 0.72cu.yd
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Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

7/20/2026 8:30:33 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: CB-38

P2 MH060LD13CC

MH FLAT TOP w/24" Ctr. Hole

- P3) 24" - CASTING HEIGHT - 4"
P2) 60" - MH FLAT TOP w/24" Ctr. Hole - 13"
P1) 60" - MH BASE - 72"
1) 60" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 46
6) MH Step ML-10-TDS-NCR - 10"

Structure Total:

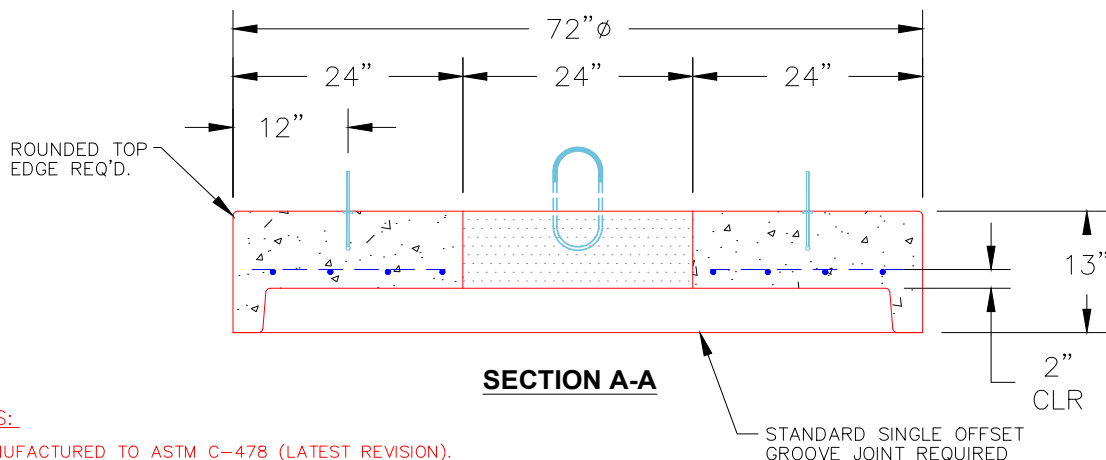
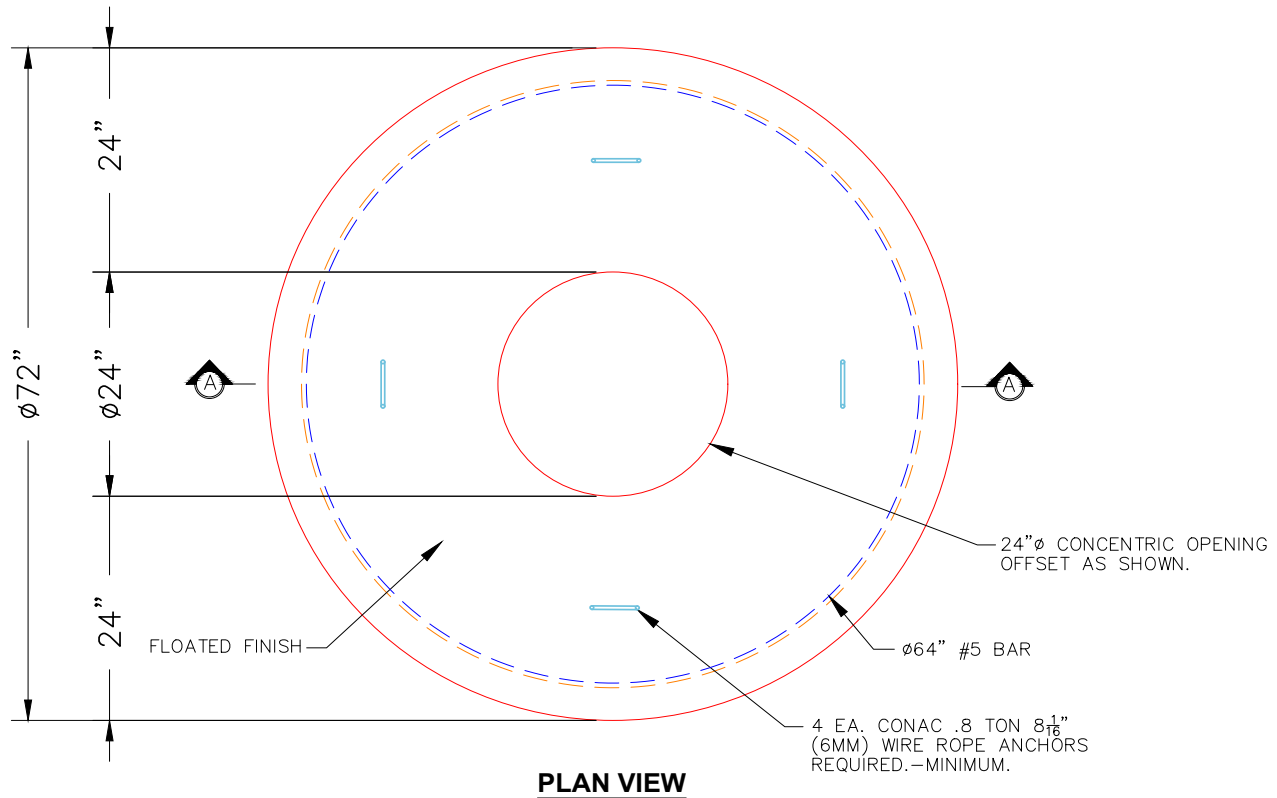
0 lb
2674 lb
8388 lb
0 lb
0 lb
0 lb
0 lb
11062 lb

Structure Notes:

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

REINFORCING PER ASTM A615 (GRADE 60).

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



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

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

Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

Tech: Jared - F

7/20/2026 8:37:18 AM

PC: T. Ryan



Structure ID: CB-38

P1 MH060BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 4"
P2) 60" - MH FLAT TOP w/24" Ctr. Hole - 13"
P1) 60" - MH BASE Custom Ht - 72"
1) 60" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 46
6) MH Step ML-10-TDS-NCR - 10"

0 lb
2674 lb
8388 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 11062 lb

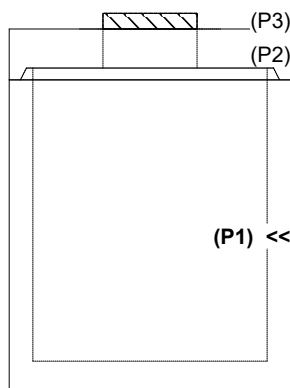
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 1076' Rim to Invert: 7.19' Slack: 1.28" Sump: 4" Step Position: 270

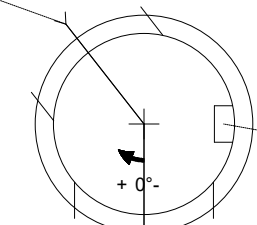
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1068.81'	0°	0"	36" RCP B WALL	44"	Hole 46	46"	52.418"	0"	0"
Invert 2	1068.81'	142°	89.221"	36" RCP B WALL	44"	Hole 46	46"	52.418"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



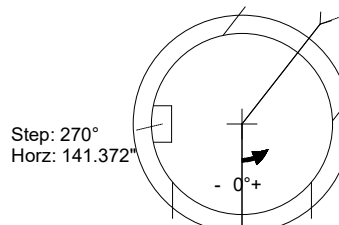
Invert: 2
Degree: 142°
Horz: 74.351"
Hole: 46"
Up(): 0"



Invert: 1
Degree: 0°
Horz: 0"
Hole: 46"
Up(): 0"

Step: 270°
Horz: 141.372"

Invert: 2
Degree: 142°
Horz: 74.351"
Hole: 46"
Up(): 0"

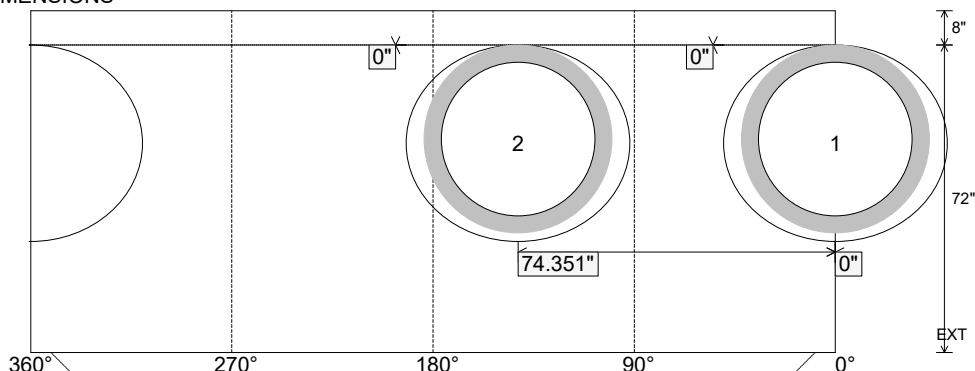


Invert: 1
Degree: 0°
Horz: 0"
Hole: 46"
Up(): 0"

Step: 270°
Horz: 141.372"

INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

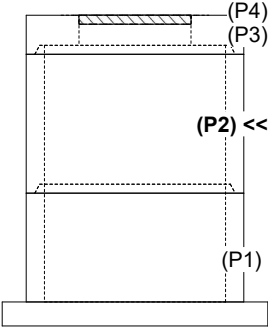
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

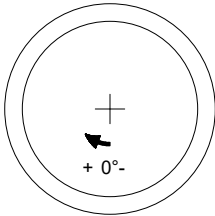
Height (Int): 72"
Height (Ext): 80"

Weight (Net): 8388 lb
Volume (Net): 2.14cu.yd

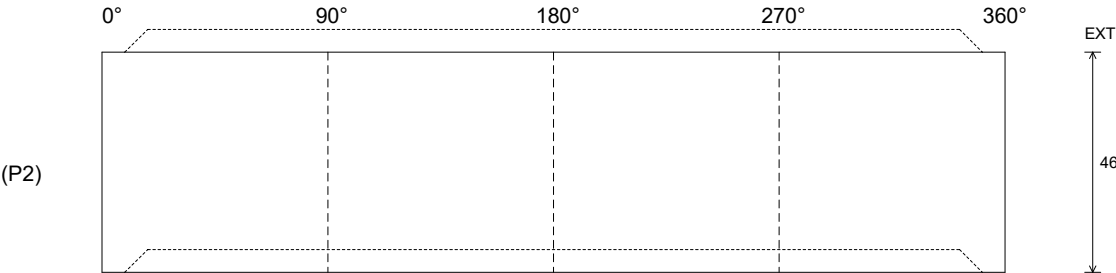
Job Name: 26-1394 - TMMI Ryder Lift Station Job Location: Princeton, IN Contractor: Koberstein Contracting, Inc.					Plant: 100 7/16/2026 2:28:40 PM		Tech: Jared - A PC: A. Chambers				
Structure ID: 5 MV (1)											
P2 MH060RSVF			MH RISER Custom Ht T/G								
P4) 37" x 36" - HATCH (CAST FLUSH) - 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 ----- 14891 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. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AT 0°, 90°, 180°, & 270°, MIN. 12" FROM TOP OF WALLS			
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											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



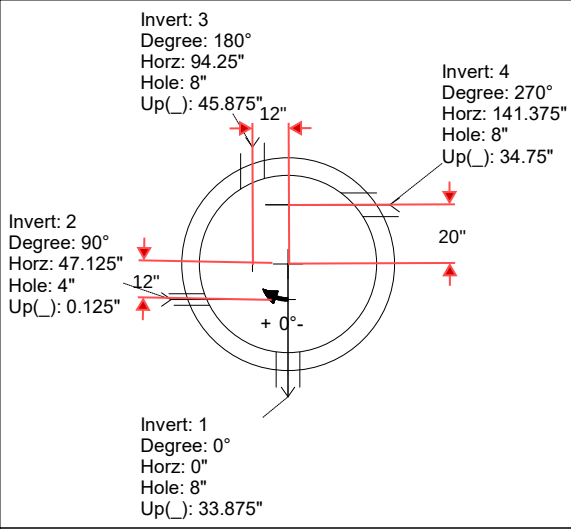
INSIDE WALL DIMENSIONS



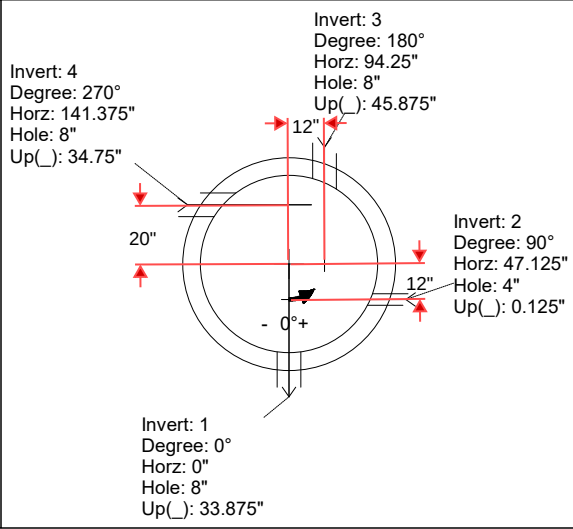
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 6" Floor Height: 0"	Height (Int): 46" Height (Ext): 46"	Weight (Net): 4802 lb Volume (Net): 1.23cu.yd
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Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC				Plant: 100 6/4/2026 5:54:14 PM		Tech: Jared - F PC: J Jarvis				
Structure ID: SAMPLER MH										
P1 MH060BAVF		MH BASE Custom Ht T/n								
P4) 36" x 36" - CASTING HEIGHT - 0" P3) 60" - MH FLAT TOP w/36"x36" Hatch F/G - 13" P2) 60" - MH RISER T/G - 24" P1) 60" - MH BASE Custom Ht T/n - 60" 1) HATCH (Alum.) - HALLIDAY W1S 36"x36" 2) 60" - Conseal CS-102 1.00" (Double) 1) 36" x 36" - Conseal CS-102 1.00" (Double) 3) Hole - 8 1) Hole - 4						0 lb 2132 lb 2505 lb 8905 lb 78 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 13620 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HATCH SUPPLIED BY I-CAST (HALLIDAY W1S 36"X36") REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .18) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Rim: 450.92'		Rim to Invert: 7.99'		Slack: -0.006"		Sump: 1.116"		Step Position:		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	445.83'	0°	0"	4" DI	4.75"	Hole 8	8"	8.024"	33.875"	0"
Invert 2	442.93'	90°	44.375"	2" DI	2.5"	Hole 4	4"	4.37"	0.125"	-12"
Invert 3	446.83'	180°	100.875"	4" DI	4.75"	Hole 8	8"	8.778"	45.875"	-12"
Invert 4	445.9'	270°	148.5"	4" DI	4.75"	Hole 8	8"	10.943"	34.75"	-20"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

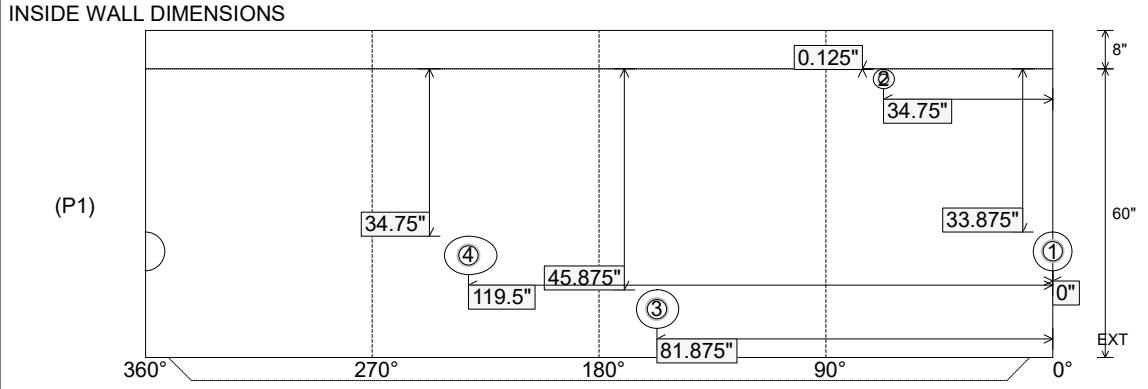
RIGHT-SIDE UP VIEW (int. dimensions)



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): 60" Height (Ext): 68"	Weight (Net): 8905 lb Volume (Net): 2.27cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
Job Location: Fort Mitchell, KY 41017
Contractor: Lykins Contracting

Plant: 100

3/27/2026 11:40:48 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301563

P3 MH060TS15-48ECC

MH Transition Slab 48" Hole T/G

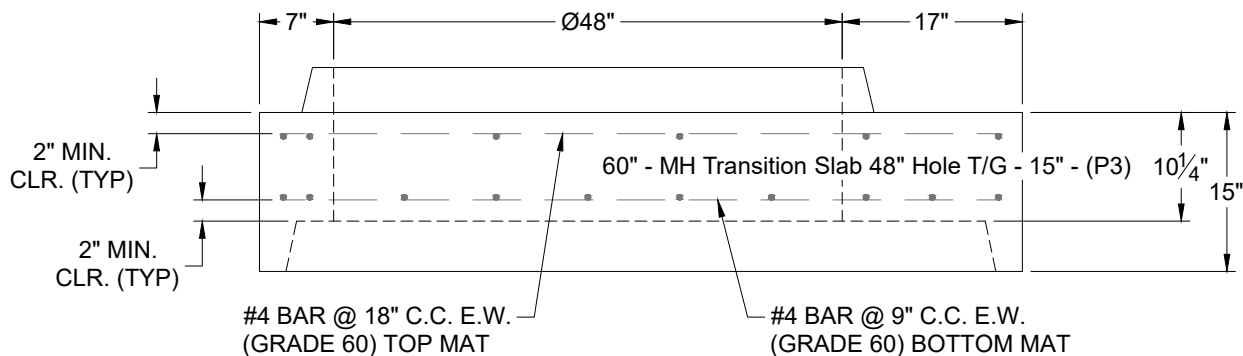
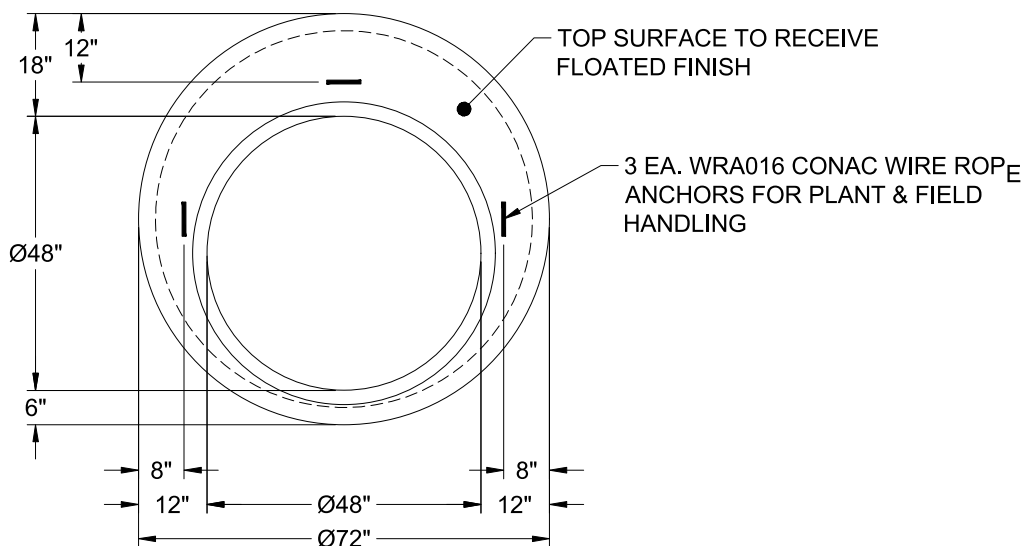
P5) 24" - CASTING HEIGHT - 7"
P4) 48" - CON CONE w/24" HOLE F/G - 36"
P3) 60" - MH Transition Slab 48" Hole T/G - 15"
P2) 60" - MH RISER w/DROP Custom Ht T/G - 51"
P1) 60" - MH BASE w/DROP T/n - 48"
1) 60" - MH INVERT CHANNEL - FULL HEIGHT
1) SECONDARY POUR - Add Exterior Drop to Base (P1)
1) SECONDARY POUR - Add Exterior Drop to Riser (P2)
2) 60" - Conseal CS-102 1.00" (Double)
1) 48" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1235
1) Drop Tee - 8" PVC
1) Drop Elbow - 8" PVC
11) MH Step ML-10-TDS-NCR - 10"

0 lb
2252 lb
2204 lb
5295 lb
6361 lb
2692 lb
2408 lb
2193 lb
0 lb
0 lb
2 lb
0 lb
0 lb
0 lb

Structure Total: 23408 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):
 - TOP MAT: #4 BAR @ 18" C.C. E.W. (GRADE 60)
 - BOTTOM MAT: #4 BAR @ 9" C.C. E.W. (GRADE 60)
4. 7" CASTING SUPPLIED BY OTHERS
5. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 15"

Weight (Net): 2204 lb
Volume (Net): 0.56cu.yd

Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

7/20/2026 8:29:52 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: CB-39

P1 MH072BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 4"
P2) 72" - MH FLAT LID w/24" CC Hole - 15"
P1) 72" - MH BASE Custom Ht - 61"
1) 72" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 46
5) MH Step ML-10-TDS-NCR - 10"

Structure Total: 15800 lb

Structure Notes:

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

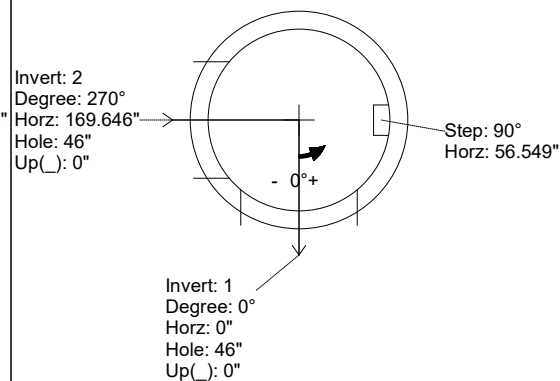
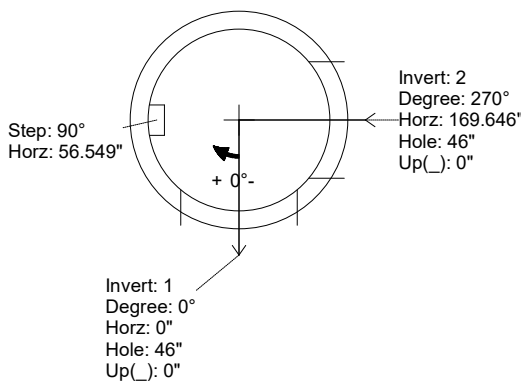
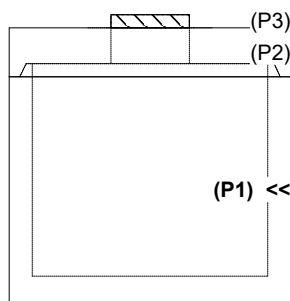
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 1074.75' Rim to Invert: 6.34' Slack: 0.08" Sump: 4" Step Position: 90°

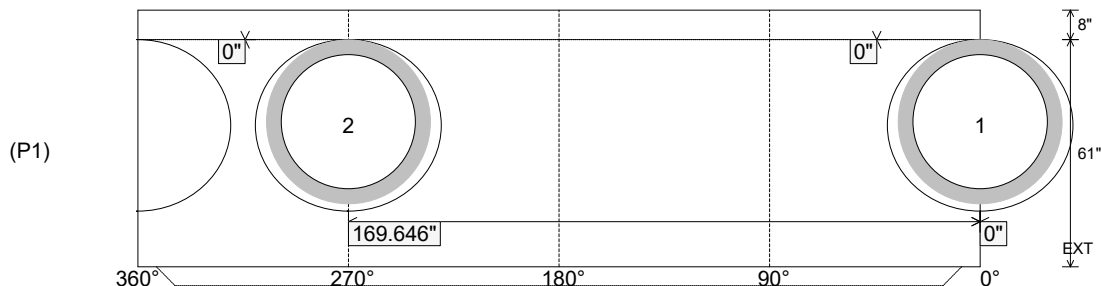
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1068.41'	0°	0"	36" RCP B WALL	44"	Hole 46	46"	49.9"	0"	0"
Invert 2	1068.41'	270°	202.633"	36" RCP B WALL	44"	Hole 46	46"	49.9"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 7"
Floor Height: 8"

Height (Int): 61"
Height (Ext): 69"

Weight (Net): 10703 lb
Volume (Net): 2.73cu.yd

Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

7/20/2026 8:30:34 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: CB-39

P2 MH072LD15-24CC

MH FLAT LID w/24" CC Hole

- P3) 24" - CASTING HEIGHT - 4"
P2) 72" - MH FLAT LID w/24" CC Hole - 15"
P1) 72" - MH BASE Custom Ht - 61"
1) 72" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 46
5) MH Step ML-10-TDS-NCR - 10"

Structure Total:

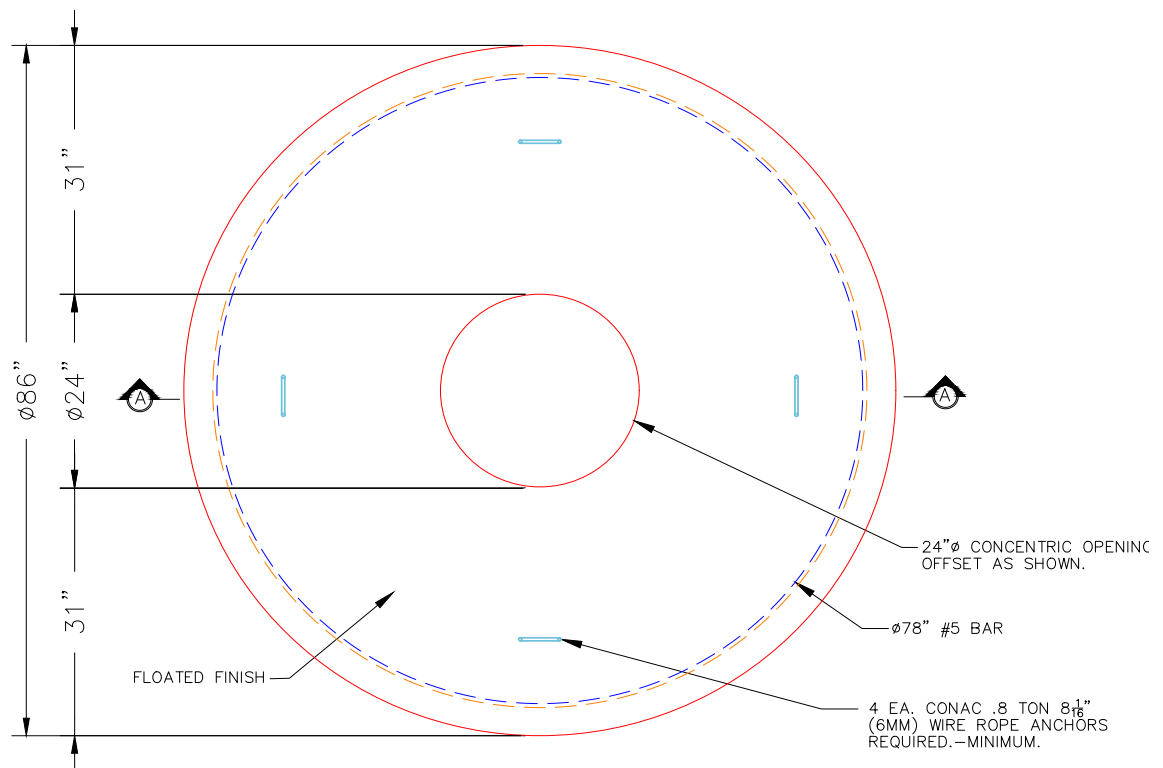
0 lb
5097 lb
10703 lb
0 lb
0 lb
0 lb
0 lb
15800 lb

Structure Notes:

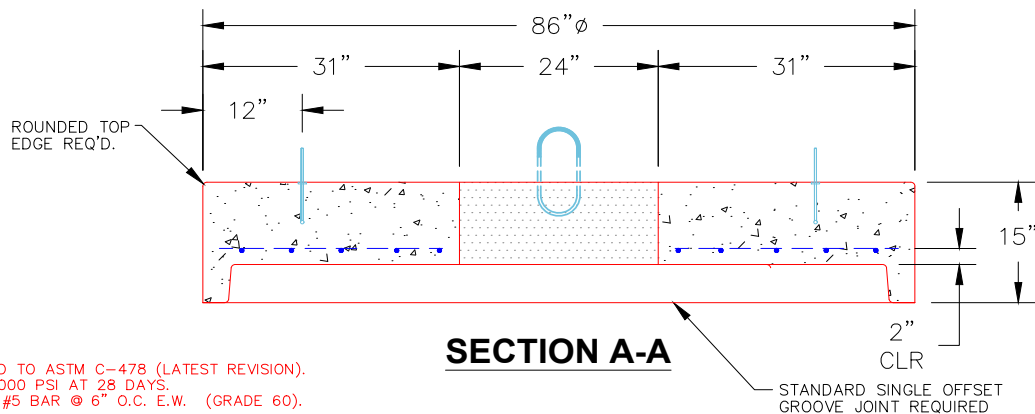
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS.

REINFORCING PER ASTM A615 (GRADE 60).

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



PLAN VIEW



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).

SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 7"

Height (Ext): 15"

Weight (Net): 5097 lb
Volume (Net): 1.3cu.yd

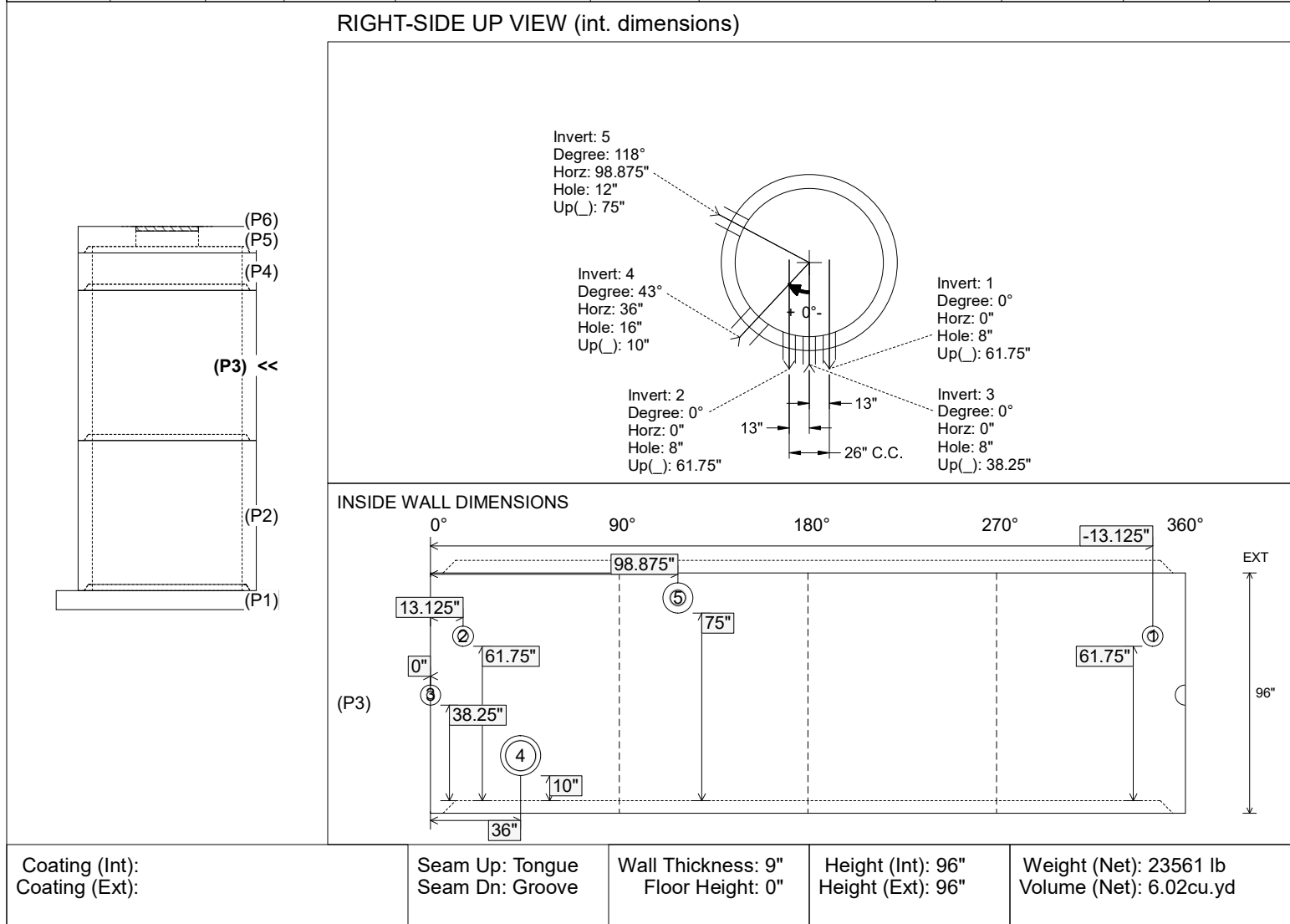
Job Name: 26-1394 - TMMI Ryder Lift Station Job Location: Princeton, IN Contractor: Koberstein Contracting, Inc.	Plant: 100 7/16/2026 2:28:39 PM	Tech: Jared - A PC: A. Chambers	
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Structure ID: 3
P3 MH096RS96

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 ----- Structure Total: 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 45°, 135°, 225°, & 315°, 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	458.81'	0°	-13.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.324"	61.75"	-13"
Invert 2	458.81'	0°	13.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.324"	61.75"	13"
Invert 3	456.9'	0°	0"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8.009"	38.25"	0"
Invert 4	454.5'	43°	42.75"	12" PVC SDR26	12.5"	PSX 16M NYLO	16"	16.075"	10"	0"
Invert 5	460'	118°	117.375"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.031"	75"	0"
Invert 6										
Invert 7										
Invert 8										



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

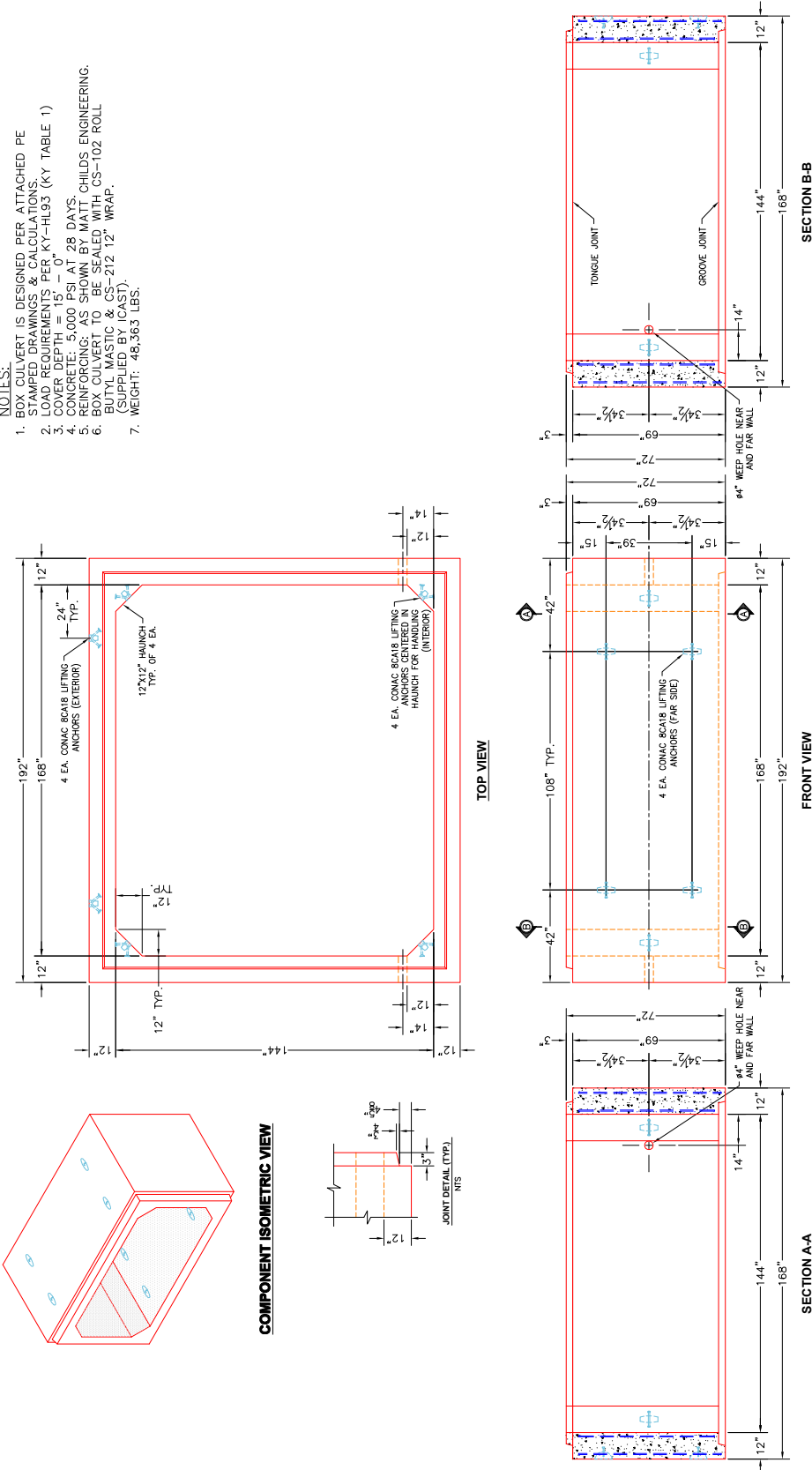
Plant: 100
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Tech: Jared - A
PC: E. Bradley



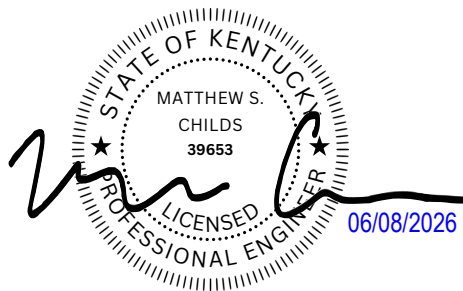
Structure ID: Box Culvert
P20 BC168144-12W12T12F-12H BOX CULVERT (12W/12F/12T) T/G

- 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.



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

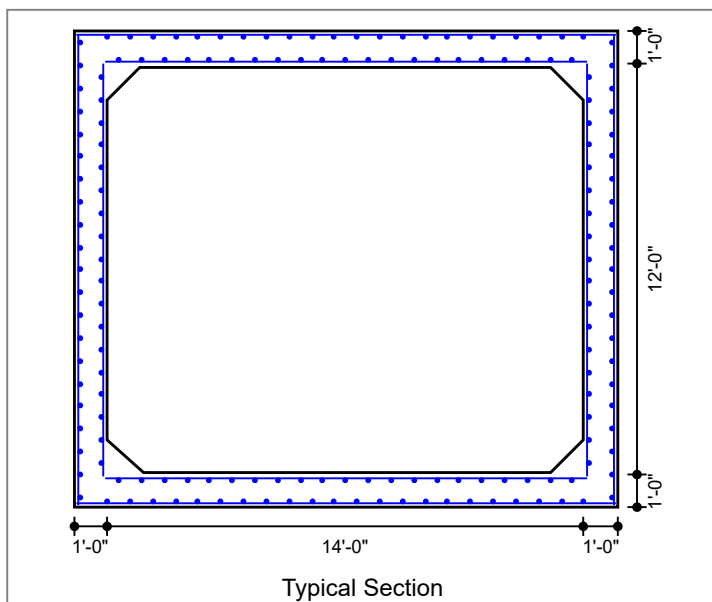
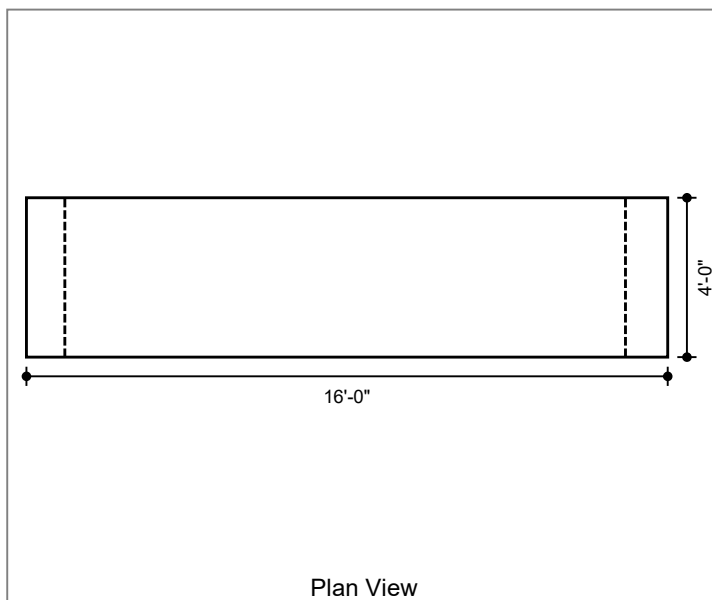
Loads

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

Sht ____ of ____

By:MBJ

Ck: _____

6/5/2026 4:35:09 PM

p. 2 of 2

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

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

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

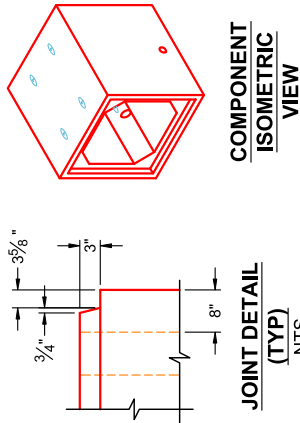
PC: C. Goff



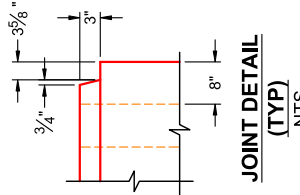
Structure ID: St. 45+00 (PC 13)

P1 BC048048-08WLF-9H

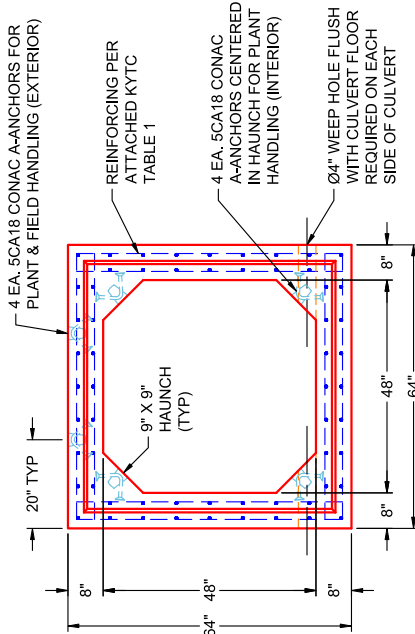
BOX CULVERT (08W/08F/08T) G/T



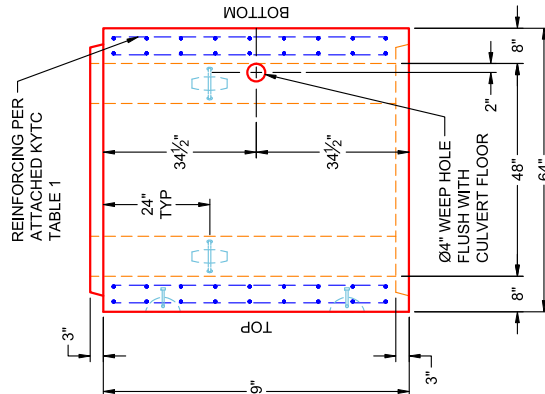
COMPONENT
ISOMETRIC
VIEW



JOINT DETAIL
(TYP)
NTS

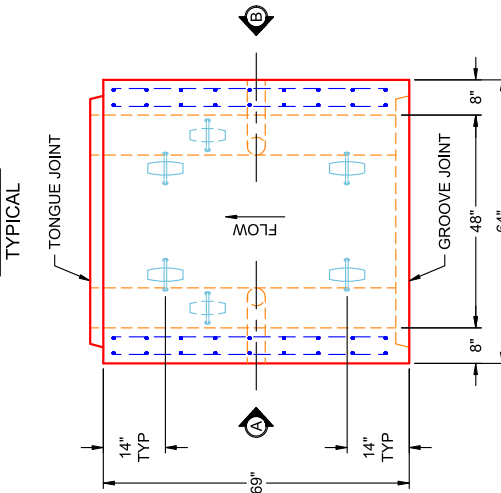


END VIEW
TYPICAL



VIEW B
PC 13

(UPRIGHT IN MOLD)



PLAN VIEW
PC 13

(UPRIGHT IN MOLD)

VIEW A
PC 13

(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 13)

ORDER NO: 24-1643B

PE: J.H. ROSS

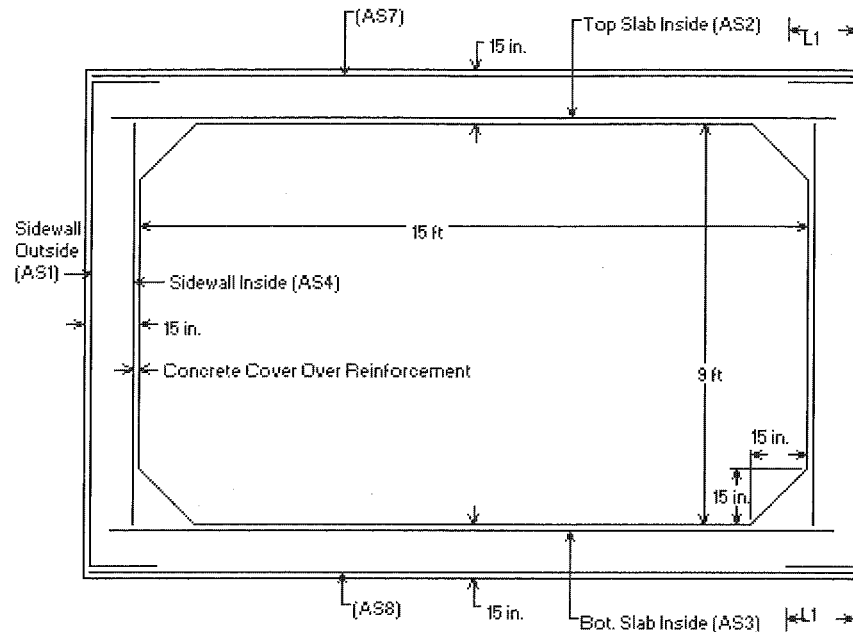
DRAWING: K. CARDWELL

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"

Strength Reduction Factors

Design Code

flexure

Partial Factor	User Specified	Shear	0.9
Load Factor			
Reinforcement Diameter		Crack Width (CHBDC 04w)	0.25 mm
	Diameter		Maximum Spacing

Thickness	+	n	in.
-----------	---	---	-----

	Top Inside	Bottom Inside	Sidewall Inside	Top Outside	Bottom Outside
Top Slab Thickness	{A5-2}	{A5-3}	{A5-4}	{A5-7}	{A5-8}
Bottom Slab Thickness		{0.05}		{0.05}	
Sidewall Thickness			{0.05}		
Top Slab Thickness				{0.05}	
Bottom Slab Thickness					{0.05}
in.	4	in.	4	in.	4

pdf

Maximum Lateral Pressure Coefficient
Vertical Arching Factor

0.5

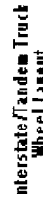
Embankment/Compacted

<< Previous Page Next Page >>

Return to Main Menu

100

pool/print	Length	Width
By Code	10	in.
By Code	10	in.
By Code	0	in.
By Code	10	in.
By Code	10	in.
By Code	10	in.



Wheel Layout

14 ft.

0.67 m

5 ft.

0.5 m

4 ft.

A=Kyle Load

Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100
7/20/2026 8:29:54 AM

Tech: Jared - F
PC: T. Ryan



Structure ID: OCS

P1 BX4848-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P4) 48" x 48" - CASTING HEIGHT - 0"
P3) 48" x 48" - BOX RISER 8inW - 12"
P2) 48" x 48" - BOX RISER 8inW, Variable Ht - 60"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 36"
3) 48" x 48" - Conseal CS-102 1.00"
1) Hole - 26
2) Orifice - 5"

0 lb
1804 lb
8996 lb
7807 lb
0 lb
0 lb
0 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.
5. TRASHRACK SUPPLIED BY OTHERS.

Structure Total: 18607 lb

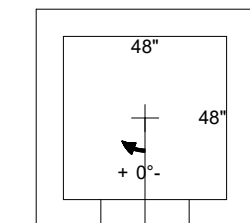
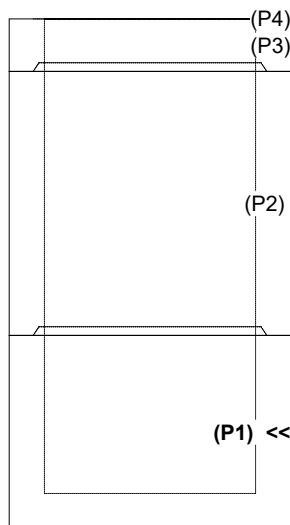
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 1073' Rim to Invert: 8.5' Slack: 0" Sump: 6" Step Position:

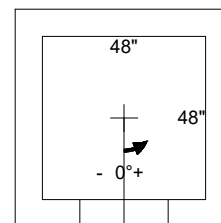
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	1064.5'	0°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	3.5"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



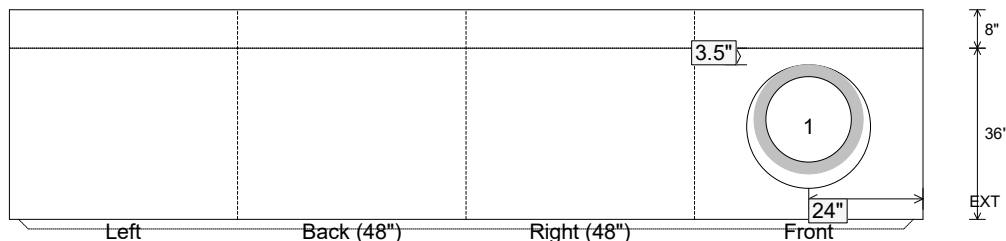
Invert: 1
Degree: 0°
Horz: 24"
Hole: 26"
Up(_): 3.5"



Invert: 1
Degree: 0°
Horz: 24"
Hole: 26"
Up(_): 3.5"

INSIDE WALL DIMENSIONS

(P1)



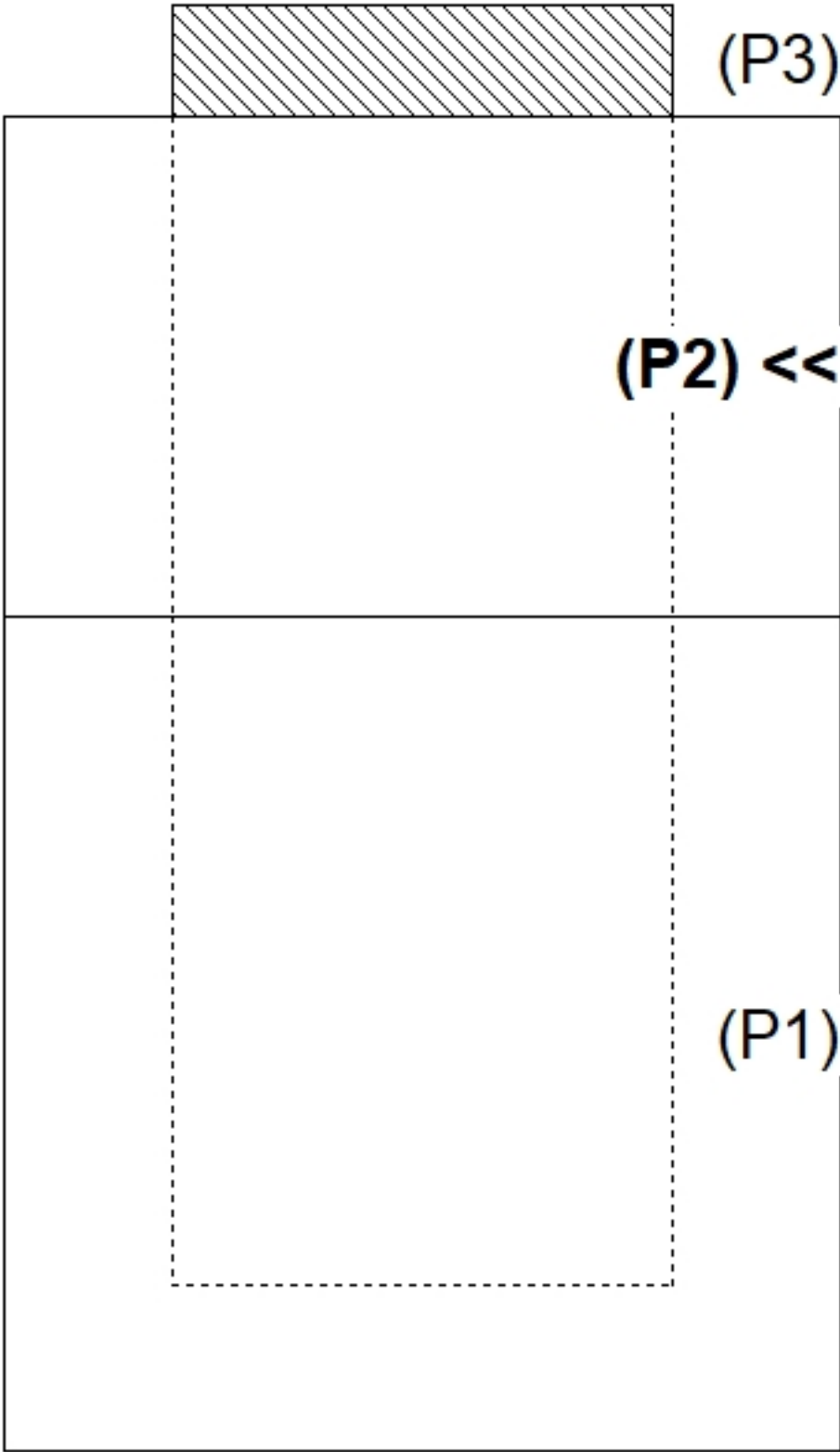
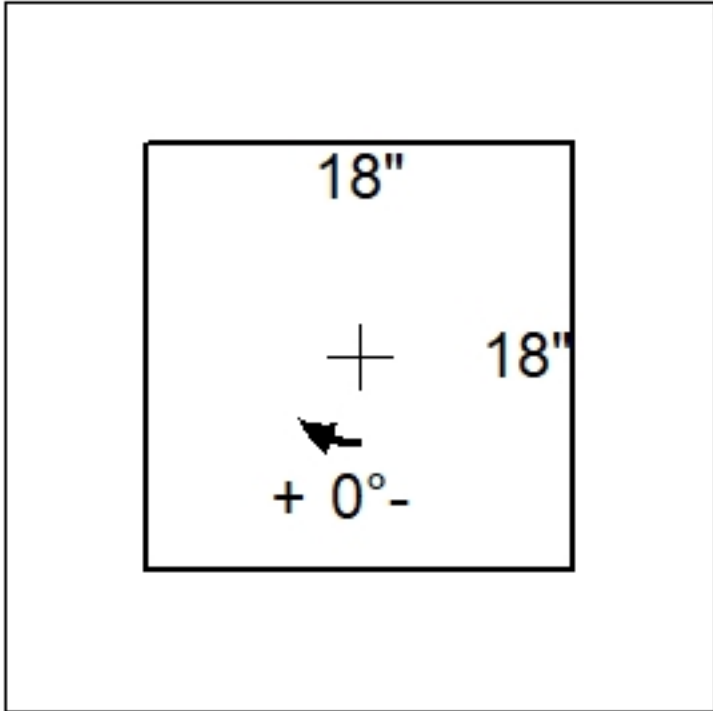
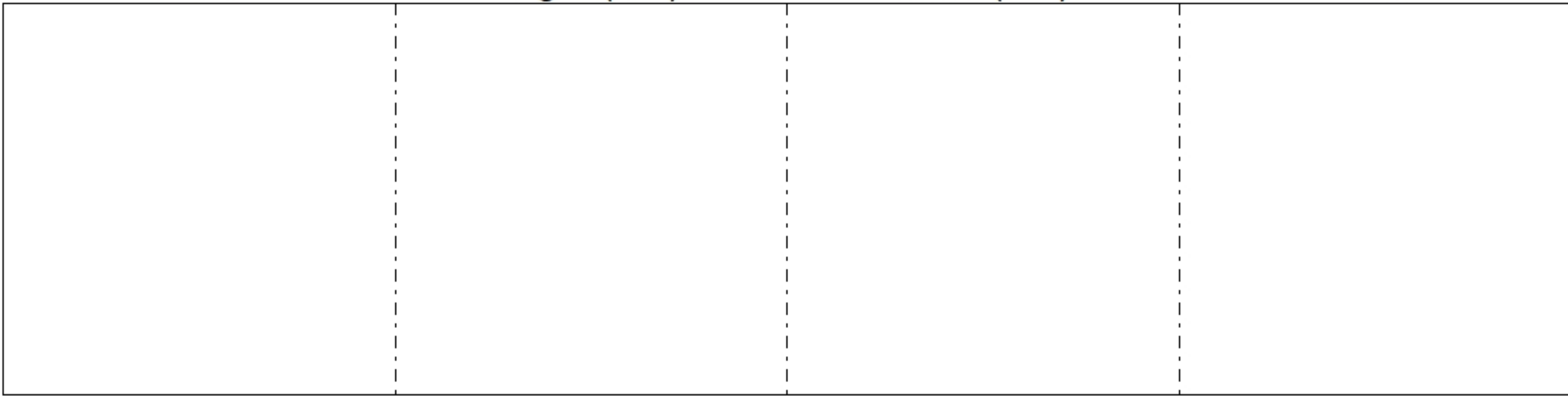
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

Weight (Net): 7807 lb
Volume (Net): 1.99cu.yd

Job Name: 26-2119 512 W Kingston Ave MSD Job Location: Louisville, KY Contractor: TRC, LLC					Plant: Beaver Dam 7/16/2026 3:43:38 PM		Tech: S. Felletter PC: T. Lewis				
Structure ID: QL3 ST-CB 2											
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: 26-1852 - Oakland City CCMG

Job Location: Oakland City, IN

Contractor: SAMM Trucking & Excavating, Inc.

Plant: 100

7/15/2026 12:46:34 PM

Tech: J. Horsley

PC: J. Jarvis

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: QL8 INJ10 - Harrison 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 - 41"

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

1) Hole - 24

0 lb

3905 lb

0 lb

0 lb

Structure Total: 3905 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: 4'

Rim to Invert: 4'

Slack: 0.752"

Sump: 1.752"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	0'	270°	24"	18" VCP	21.5"	Hole 24	24"	24"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

24"

36"

+ 0°-

Invert: 1

Degree: 270°

Horz: 18"

Hole: 24"

Up(): 0"

UPSIDE-DOWN VIEW (int. dimensions)

24"

36"

- 0°+

Invert: 1

Degree: 270°

Horz: 18"

Hole: 24"

Up(): 0"

INSIDE WALL DIMENSIONS

0"

1

18"

Left

Back (24")

Right (36")

Front

8"

41"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 8"

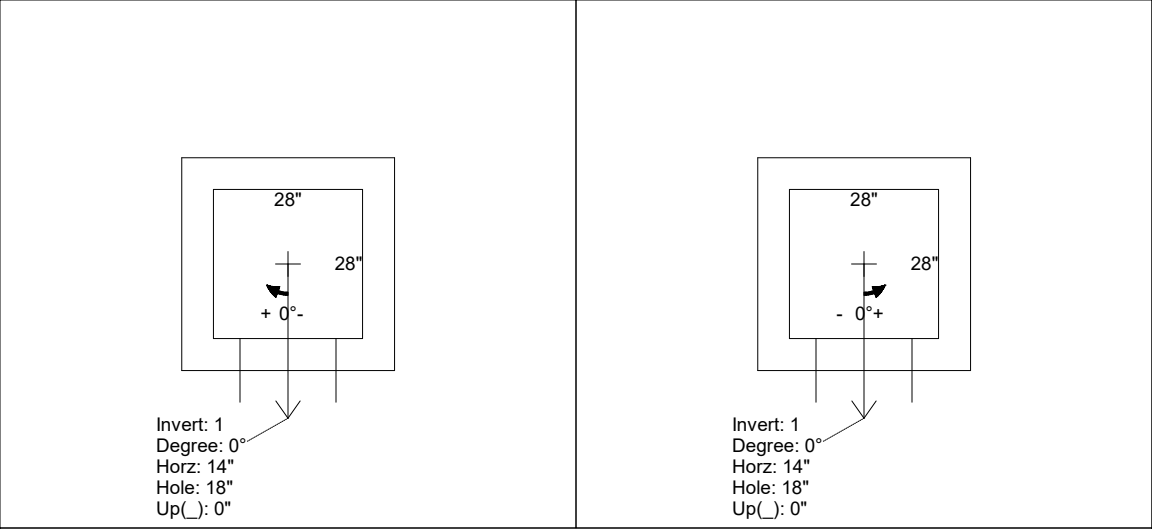
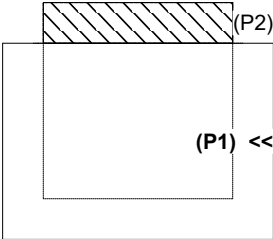
Height (Int): 41"

Height (Ext): 49"

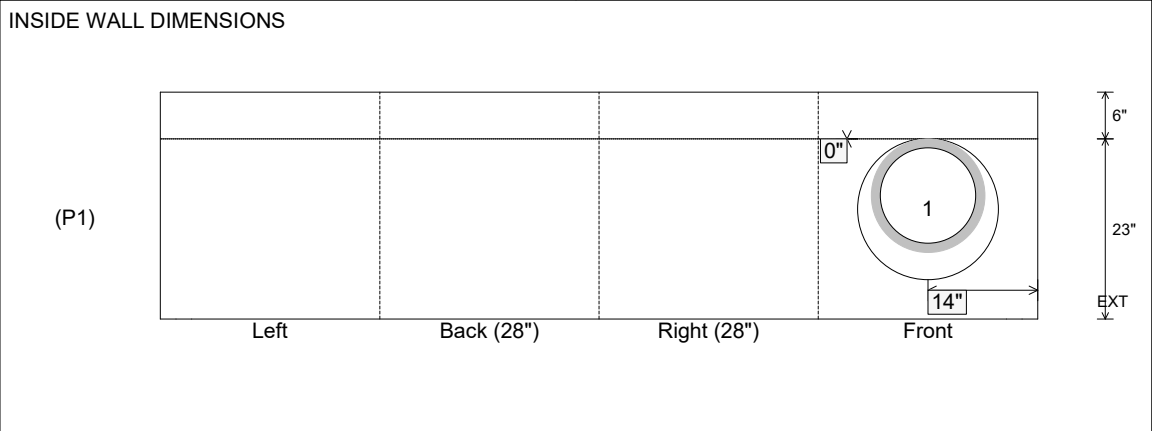
Weight (Net): 3905 lb

Volume (Net): 1cu.yd

Job Name: 26-2763 - The Flats of Martin Job Location: Paris, TN 38242 Contractor: BTM Excavating, LLC				Plant: 100 7/14/2026 11:10:25 AM		Tech: Jared - F PC: T. Lewis				
Structure ID: 1 ST-AD										
P1 BX28280606VH				BOX BASE 6inW, 6inF, Variable Ht F/n						
P2) 28" x 28" - CASTING HEIGHT - 6" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 23" 1) CASTING - JBS 4310 F/G 2) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 18				0 lb 2252 lb 500 lb 0 lb 0 lb ----- Structure Total: 2752 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (JBS 4310 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: 354.5' Rim to Invert: 2.4' Slack: 0.925" Sump: 1.125" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	352.1'	0°	20"	12" HP STORM	14.5"	Hole 18	18"	18"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



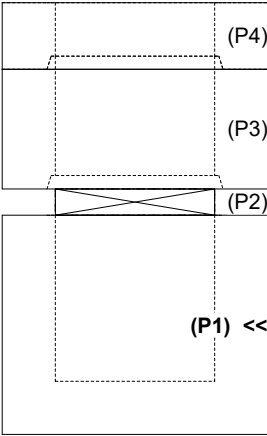
INSIDE WALL DIMENSIONS



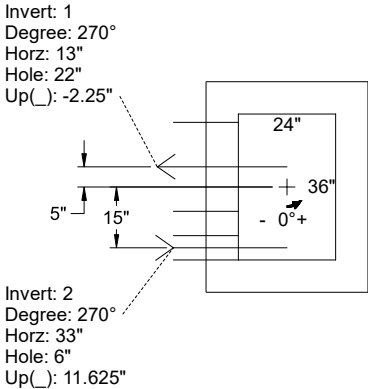
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 23" Height (Ext): 29"	Weight (Net): 2252 lb Volume (Net): 0.57cu.yd
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Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 6/26/2026 7:35:51 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 212											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P4) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18" P2) 24" x 36" - FIELD ADJUSTMENT - 4" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 2) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22 1) Hole - 6					3398 lb 5270 lb 0 lb 3678 lb 206 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: ** KYTC STATE PROJECT ** STATION: 416+00 LT 1. PER KYTC CBI TYPE 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. HOE KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP				
Rim: 558.18' 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	553.43'	270°	21"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	-5"	
Invert 2	554.43'	270°	41"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	11.625"	15"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

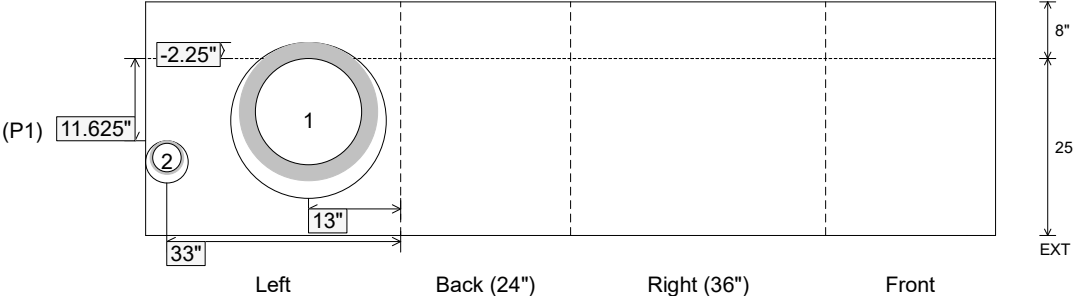
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



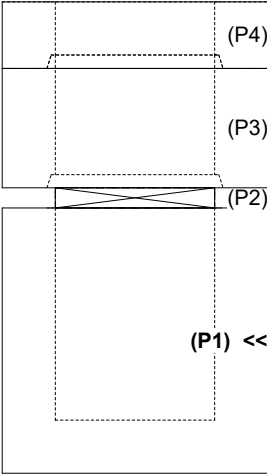
INSIDE WALL DIMENSIONS



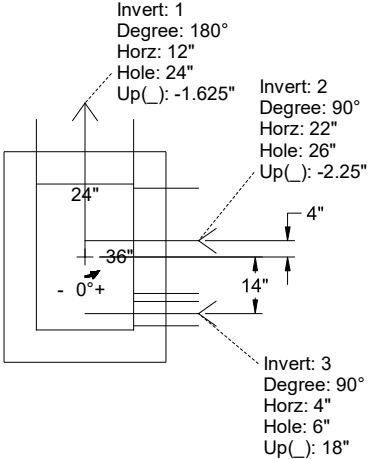
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 3678 lb Volume (Net): 0.94cu.yd
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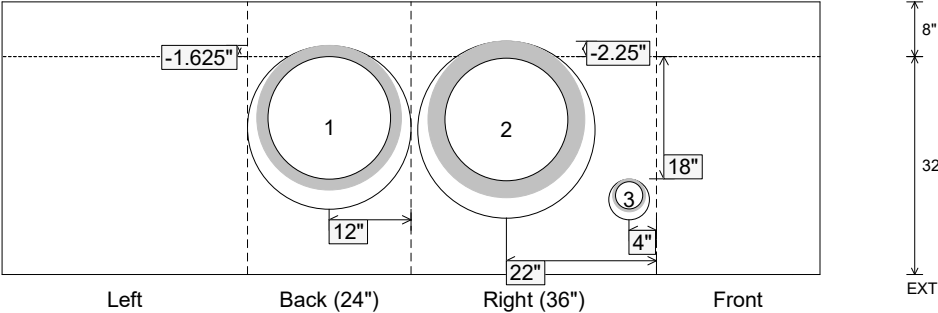
Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 6/26/2026 7:35:38 AM		Tech: J. Horsley PC: C. Goff						
Structure ID: 201													
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n									
P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P2) 24" x 36" - FIELD ADJUSTMENT - 3" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 32" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 2) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 24 1) Hole - 26 1) Hole - 6						3400 lb 5270 lb 0 lb 4058 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 12934 lb		Structure Notes: ** KYTC STATE PROJECT ** STATION: 410+10 RT 1. PER KYTC CBI TYPE 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. HOE KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP					
Rim: 565.82' Rim to Invert: 5.28' Slack: 0.36" Sump: 0" Step Position:													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1	560.54'	180°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"			
Invert 2	560.56'	90°	30"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.25"	4"			
Invert 3	562.07'	90°	12"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	18"	-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: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 32" Height (Ext): 40"	Weight (Net): 4058 lb Volume (Net): 1.04cu.yd
----------------------------------	-------------------------------	--	--	--

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

Plant: 100

6/30/2026 2:46:08 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 610

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: .1

3398 lb

5270 lb

4274 lb

206 lb

0 lb

0 lb

0 lb

Structure Total:

13148 lb

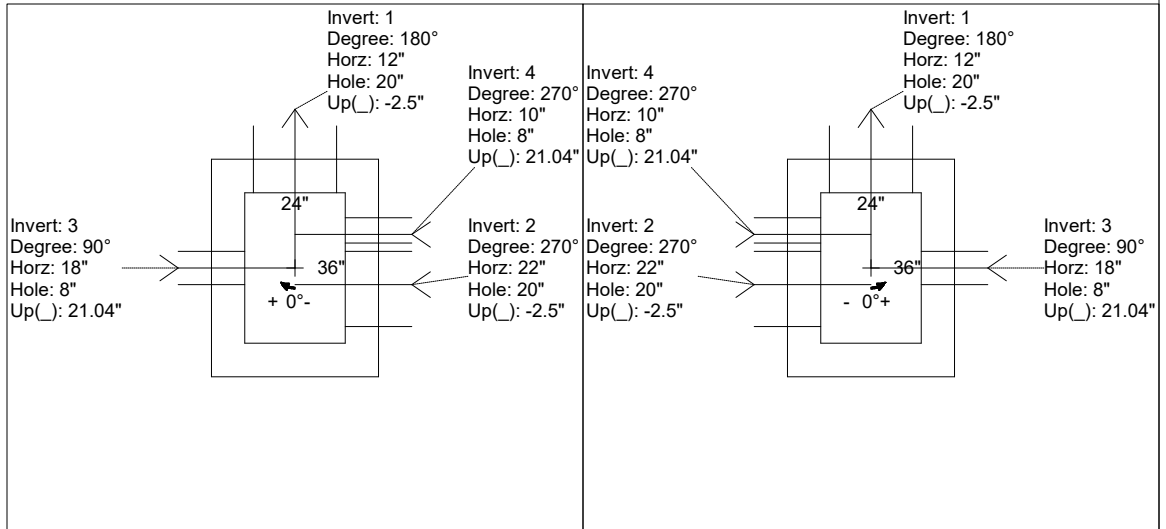
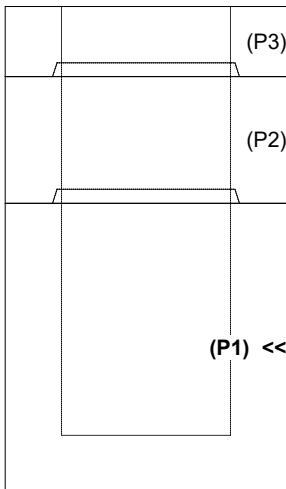
- ** KYTC STATE PROJECT ****
1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST.
2. CONCRETE = 4,000 PI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 933.05' Rim to Invert: 5.09' Slack: 0.08" Sump: 0" Step Position:

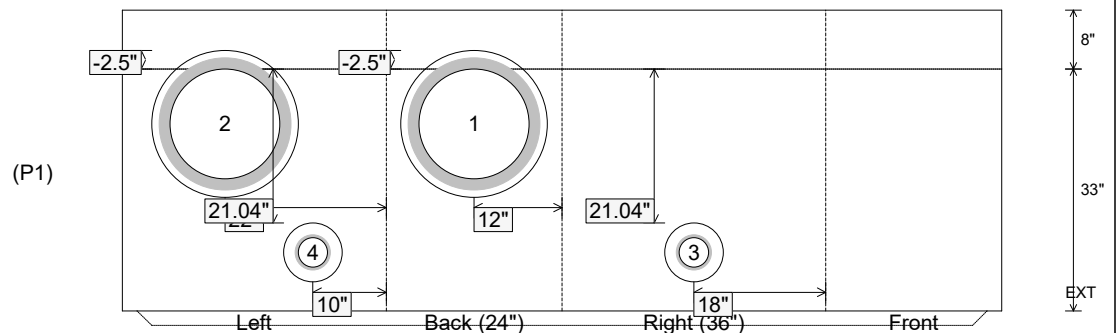
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	927.96'	180°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	927.96'	270°	30"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	4"
Invert 3	929.88'	90°	26"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 4	929.88'	270°	18"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	-8"
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

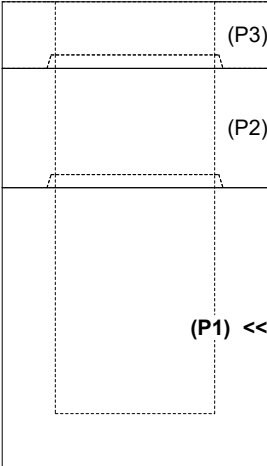
Wall Thickness: 8"
Floor Height: 8"

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

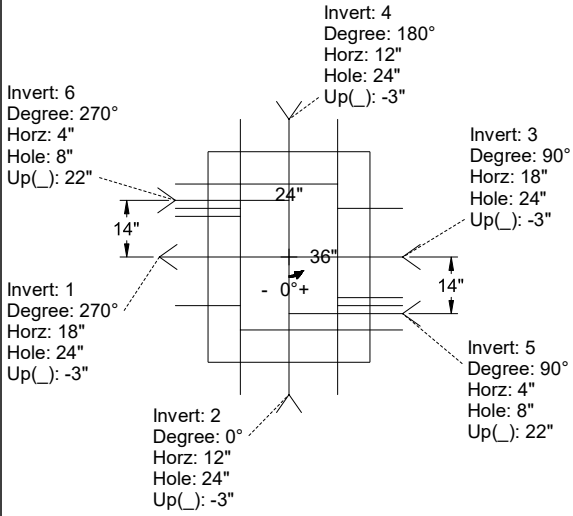
Weight (Net): 4274 lb
Volume (Net): 1.09cu.yd

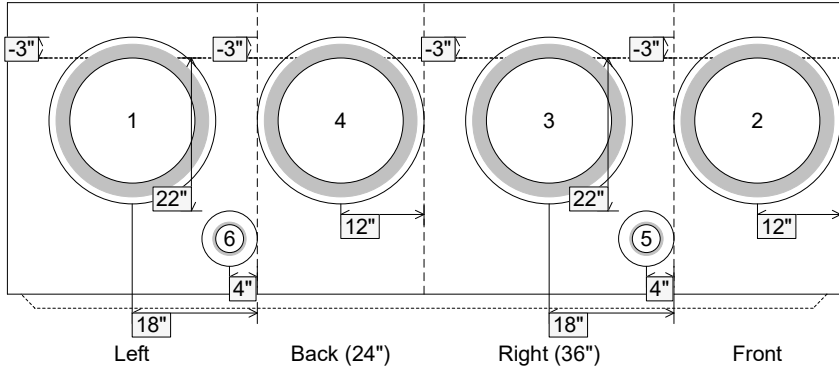
Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/4/2026 4:50:54 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 554											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht T/n							
P3) 24" x 120" - CB INLET KY A 10' TOP SAG F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM SAG T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 34" 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" 4) Hole - 24 2) Hole - 8					3398 lb 5270 lb 3870 lb 206 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 12744 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP 7. INVERTS 5 & 6 OFFSET 14" FROM CENTER OF WALL				
Rim: 828.12' Rim to Invert: 5.22' Slack: 0.64" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	822.9'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	822.9'	0°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 3	822.9'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 4	822.9'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 5	824.9'	90°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	22"	-14"	
Invert 6	824.9'	270°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	22"	-14"	
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS				
				
Left Back (24") Right (36") Front				

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 34" Height (Ext): 42"	Weight (Net): 3870 lb Volume (Net): 0.99cu.yd
----------------------------------	---------------------------------	--	--	--

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

Plant: Beaver Dam
6/1/2026 8:23:14 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: AD-1

P1 BX3232-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P2) 32" x 32" - RECESS/GRATE SEAT - 2"
P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 46"
1) CASTING - JBS 4200 Grate
1) 32" x 32" - Conseal CS-102 1.00"
1) Hole - 25

Structure Total: 6583 lb

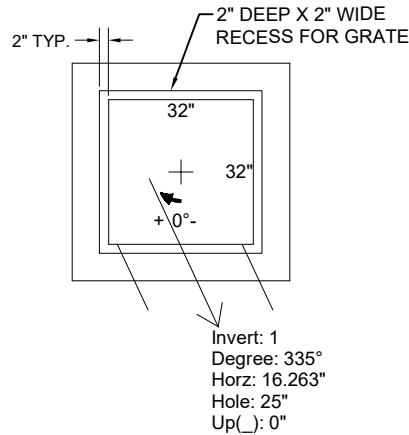
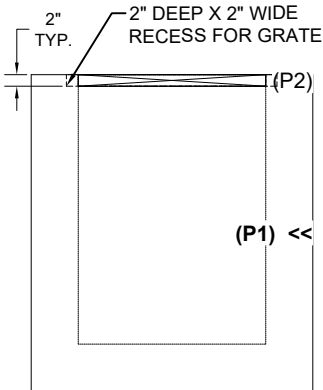
- Structure Notes:
1. PER TDOT D-CB-42S / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 4200 GRATE BY ICAST
4. 2" WD x 2" DEEP GRATE SEAT/RECESS IN TOP OF WALLS.
5. REINFORCING PER ASTM A615 (GRADE 60).
** SEE TDOT STD DRAWING D-CB-42S **
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

Rim: 788' Rim to Invert: 3.63' Slack: 0.06" Sump: 2.5" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	784.37'	335°	20.532"	18" RCP B WALL	23"	Hole 25	25"	27.584"	0"	7"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

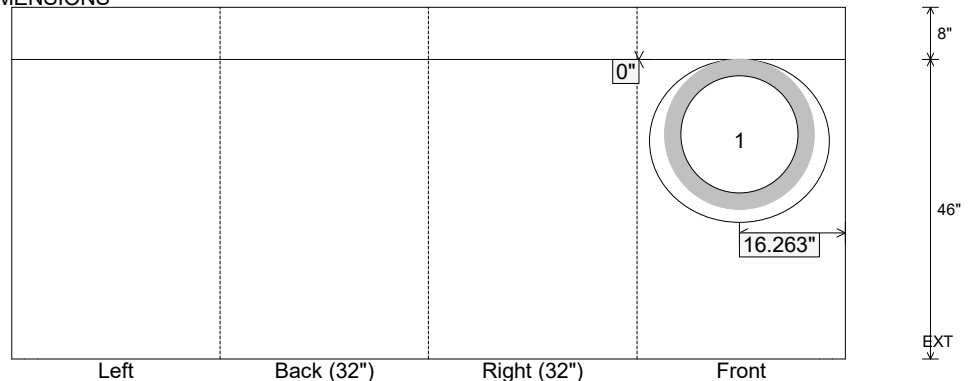
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 46"
Height (Ext): 54"

Weight (Net): 6124 lb
Volume (Net): 1.56cu.yd

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

Plant: 100

6/15/2026 10:58:58 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: B2 ST-CB

P1 BX28280606VH

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

P3) 28" x 28" - CASTING HEIGHT - 6"
P2) 28" x 28" - BOX RISER 6inW F/G - 24"
P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht T/n - 34"
2) 28" x 28" - Conseal CS-102 1.00"
2) Hole - 14"

0 lb
1643 lb
2979 lb
0 lb
0 lb

Structure Total: 4622 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).

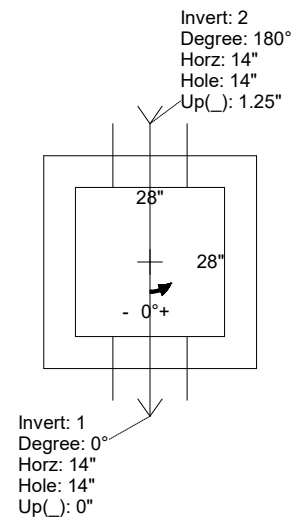
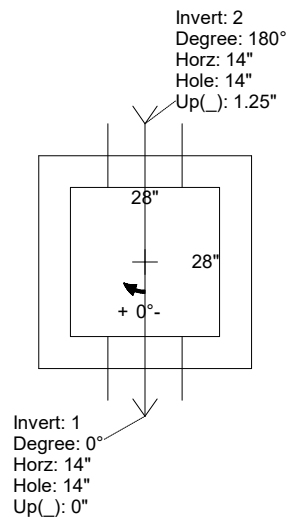
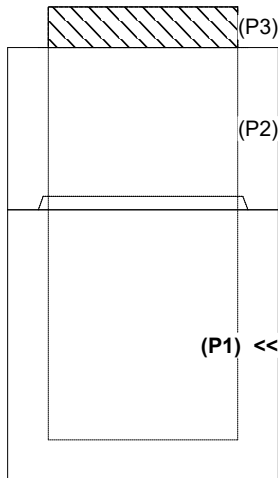
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 427.64' Rim to Invert: 5.28' Slack: 0.11" Sump: 0.75" Step Position:

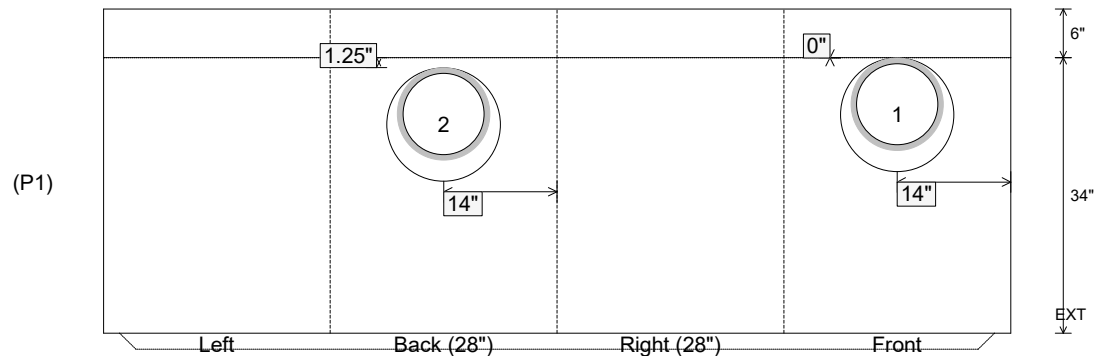
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	422.36'	0°	20"	10" HDPE	11.4"	Hole 14	14"	14"	0"	0"
Invert 2	422.46'	180°	20"	10" HDPE	11.4"	Hole 14	14"	14"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



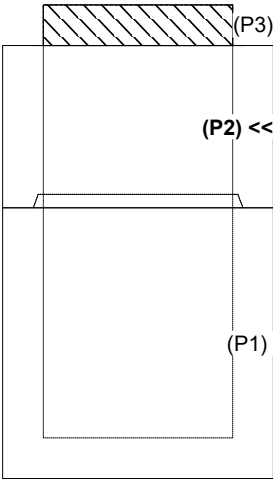
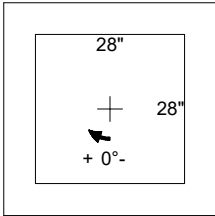
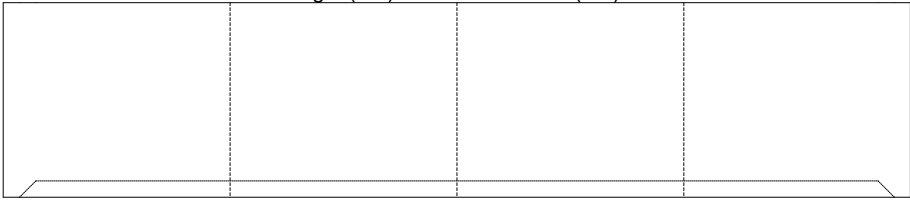
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 34"
Height (Ext): 40"

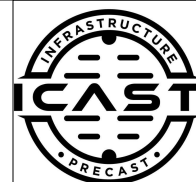
Weight (Net): 2979 lb
Volume (Net): 0.76cu.yd

Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1 Job Location: Nashville, TN 37208 Contractor: Hayes Pipe Supply					Plant: 100 6/15/2026 10:59:50 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: B2 ST-CB											
P2		BX2828-06R24		BOX RISER 6inW F/G							
P3) 28" x 28" - CASTING HEIGHT - 6" P2) 28" x 28" - BOX RISER 6inW F/G - 24" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht T/n - 34" 2) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 14						0 lb 1643 lb 2979 lb 0 lb 0 lb ----- 0 lb Structure Total: 4622 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: 427.64' Rim to Invert: 5.28' Slack: 0.11" Sump: 0.75" 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 (28") Back (28") Left 				EXT 24"					
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: Groove		Wall Thickness: 6" Floor Height: 0"		Height (Int): 24" Height (Ext): 24"		Weight (Net): 1643 lb Volume (Net): 0.42cu.yd		

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

Plant: 100
7/14/2026 1:03:47 PM

Tech: J. Coppage
PC: E. Bradley



Structure ID: MH 128764 Base

P1 MH048BA30

MH BASE

- P1) 48" - MH BASE - 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) Chimney Seal - Cretex Chimney Seal
1) 48" - Conseal CS-102 1.00" (Double)
2) PSX - 16Y NYLO
1) MH Step ML-10-TDS-NCR - 10"

- 3255 lb
1440 lb
0 lb
0 lb
10 lb
0 lb
16 lb
0 lb

4721 lb
- Structure Notes:**
1. PER LOUISVILLE MSD / ASTM C-478
SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. CRETEX CHIMNEY SEAL SUPPLIED BY ICAST
6. STEPS AT 111 DEGREES
7. HOE MC-420 FRAME & COVER "SANITARY LOU-MSD" SUPPLIED BY OTHERS
8. BASE ONLY RISER AND CONE/TOP SLAB WILL BE PROVIDED AT A LATER DATE.

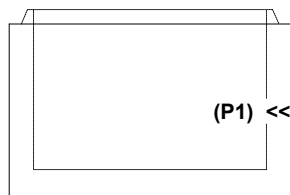
Structure Total:

Rim: 482.01' Rim to Invert: 8.12' Slack: 70.44" Sump: 3" Step Position: 111°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	473.89'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	0"	0"
Invert 2	473.99'	222°	112.364"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

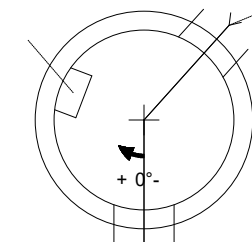
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



(P1) <<

Step: 111°
Horz: 46.496"

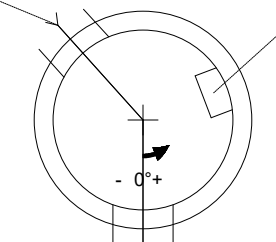


Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): 0"

Invert: 2
Degree: 222°
Horz: 92.991"
Hole: 16"
Up(): 1.2"

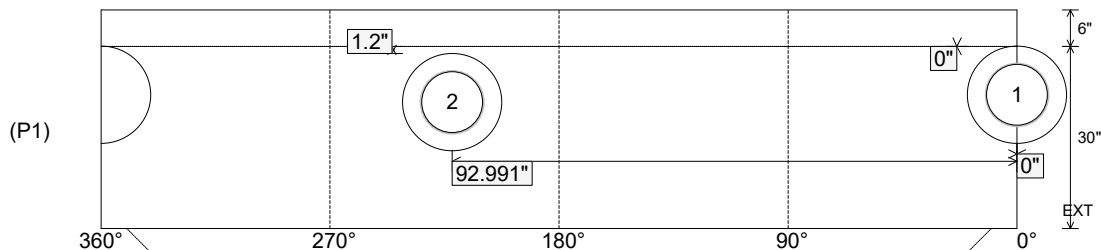
Invert: 2
Degree: 222°
Horz: 92.991"
Hole: 16"
Up(): 1.2"

Step: 111°
Horz: 46.496"



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

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

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

Weight (Net): 3255 lb
Volume (Net): 0.83cu.yd

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

Plant: 100
7/14/2026 1:03:47 PM

Tech: J. Coppage
PC: E. Bradley



Structure ID: MH 128764 Base

P1 MH048BA30

MH BASE

- P1) 48" - MH BASE - 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) Chimney Seal - Cretex Chimney Seal
1) 48" - Conseal CS-102 1.00" (Double)
2) PSX - 16Y NYLO
1) MH Step ML-10-TDS-NCR - 10"

- 3255 lb
1440 lb
0 lb
0 lb
10 lb
0 lb
16 lb
0 lb

4721 lb
- Structure Notes:**
1. PER LOUISVILLE MSD / ASTM C-478
SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: PER ASTM A615
4. INVERT CHANNEL REQUIRED
5. CRETEX CHIMNEY SEAL SUPPLIED BY ICAST
6. STEPS AT 111 DEGREES
7. HOE MC-420 FRAME & COVER "SANITARY LOU-MSD" SUPPLIED BY OTHERS
8. BASE ONLY RISER AND CONE/TOP SLAB WILL BE PROVIDED AT A LATER DATE.

Structure Total:

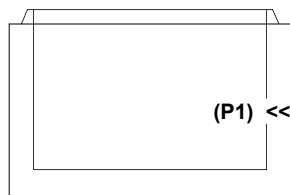
**INVERT CHANNEL DRAWING
FULL HEIGHT INVERT**

Rim: 482.01' Rim to Invert: 8.12' Slack: 70.44" Sump: 3" Step Position: 111°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	473.89'	0°	0"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	0"	0"
Invert 2	473.99'	222°	112.364"	10" PVC SDR35	10.5"	PSX 16Y NYLO	16"	16.312"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

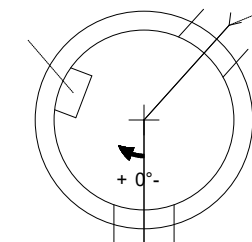
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



(P1) <<

Step: 111°
Horz: 46.496"

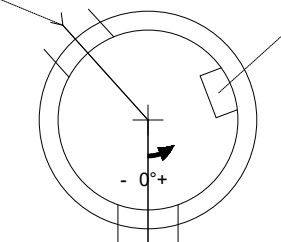


Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): 0"

Invert: 2
Degree: 222°
Horz: 92.991"
Hole: 16"
Up(): 1.2"

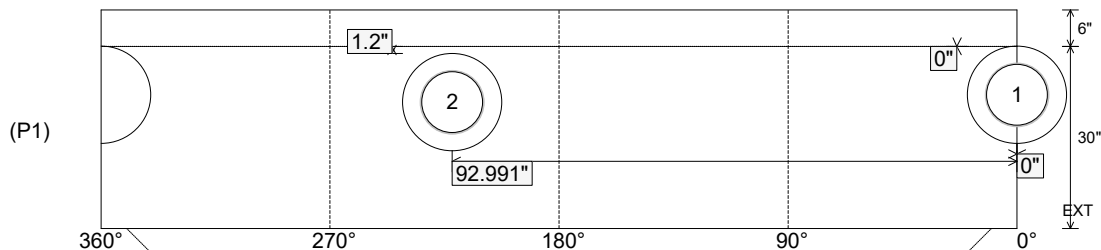
Invert: 2
Degree: 222°
Horz: 92.991"
Hole: 16"
Up(): 1.2"

Step: 111°
Horz: 46.496"



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

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

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

Weight (Net): 3255 lb
Volume (Net): 0.83cu.yd

Structure ID: 1 (2)

P1 HWA15F

15" - HW AW w/FLAT BOTTOM F/F

TYPE

PIPE Ø

AW

15"

A

2'-8"

B

4'-0"

C

2'-6"

D

2'-2"

E

2'-0"

F

6"

G

2'-8"

WEIGHT

1,285 LBS

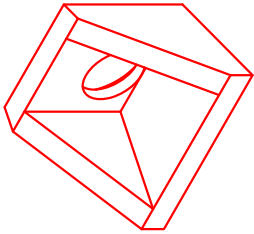
GENERAL NOTES:

1. CONCRETE: 4,500 PSI AT 28 DAYS

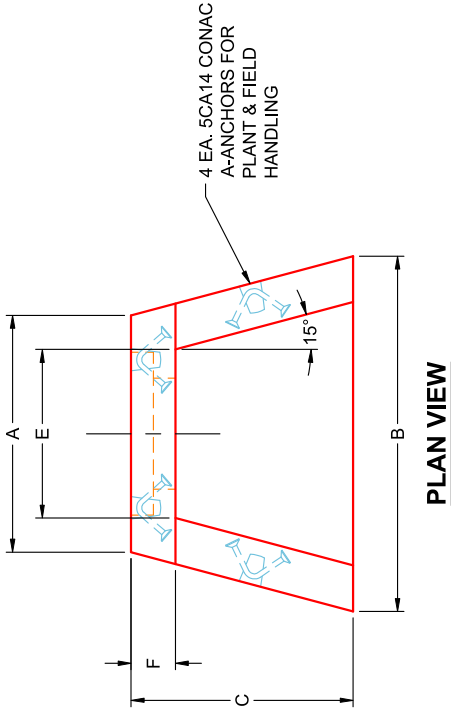
2. REINFORCING: #4 BAR @ 12" C.C. E.W.
(GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

3. REINFORCING BARS TO BE TACK WELDED OR TIED

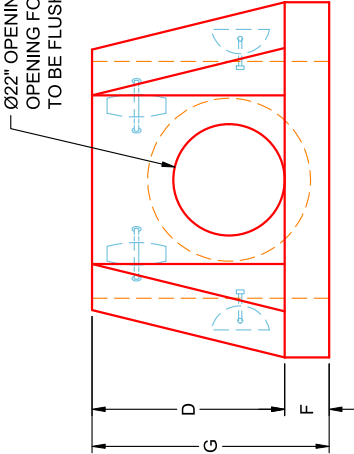
ISOMETRIC VIEW



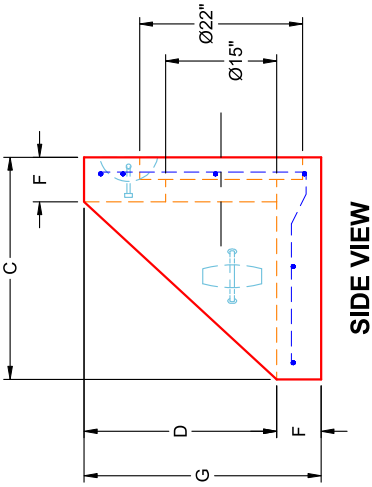
PLAN VIEW



FRONT VIEW



SIDE VIEW



PRODUCTION WORK ORDER

QUALITY CONTROL CHECKLIST

☐ ALL DIMENSIONS CORRECT.

☐ LIFTERS INSTALLED.

☐ STEPPED HOLE FORMER CORRECT SIZE.

☐ REINFORCING CORRECT.

☐ CLEARANCE ON REINFORCING CORRECT.

☐ EDGES CHAMFERED.

☐ ALL PATCHWORK ACCEPTABLE.



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PRODUCT I.D.: HWA15F

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 1,285 LBS

TOP SECTION JOINT: N / A

BASE SECTION JOINT: N / A

QC CHECK INITIALS:

DESCRIPTION: 15" AW HEADWALL W/ FLAT BOTTOM

CUSTOMER: HAYES PIPE SUPPLY

PROJECT: 314 OLD NASHVILLE HWY

STRUCTURE: 1 (2)

ORDER NO: 25-4694

PE: J.H. ROSS

DATE: 07/14/26

DRAWING: K. CARDWELL

SCALE: NTS

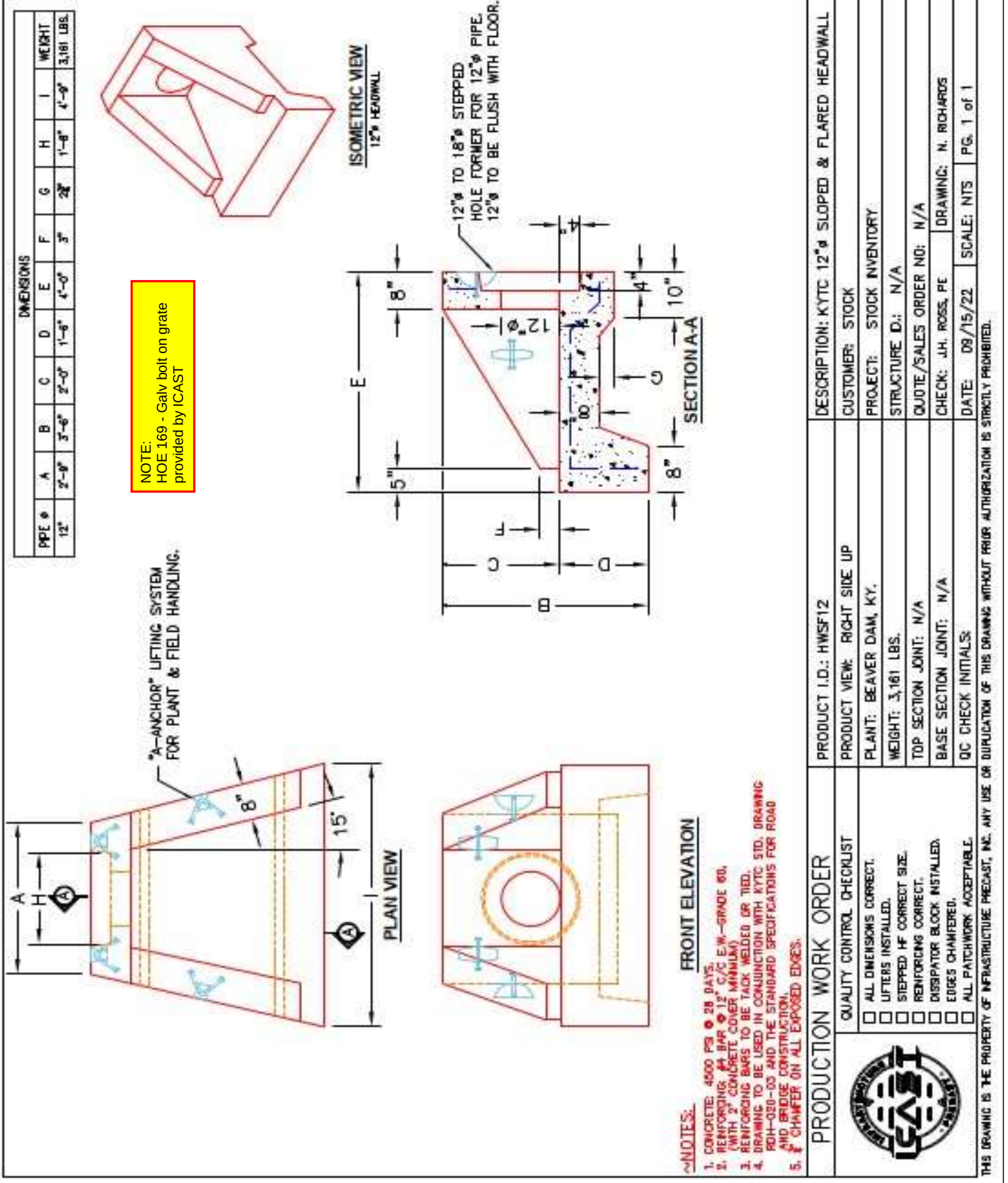
PG. 1 OF 1



Structure ID: QL1 HW 2

P1 HWSF12

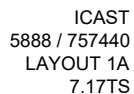
12" - SLOPED & FLARED HEADWALL F/F



DIMENSIONS									
PPE Ø	A	B	C	D	E	F	G	H	WEIGHT
12"	2'-8"	3'-6"	2'-0"	1'-8"	4'-0"	3"	2"	1'-8"	3,161 LBS.



PRECAST COMPONENTS
INTERNALS NOT SHOWN



SUPPORT BRACKET LAYOUT PLAN VIEW

[illegible]



CONTECH[®]
ENGINEERED SOLUTIONS LLC
A CASCADÉ COMPANY

9101 Centre Pointe Dr., Suite 400 West Chester, OH 45386
800.338-1122 513.645-7000 513.645-7993 FAX

DATE: _____

6/16/2026

FOR PATENT INFORMATION, GO TO www.conteches.com/ip

DESIGNED: MDB	DRAWN: MDB
CHECKED: MSB	APPROVED: MDB
PROJECT No.: 839248	SEQUENCE No.: 25

SHEET: _____

1
OF
1

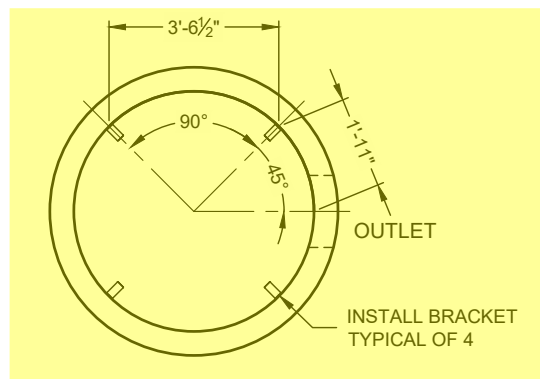
1. DESIGN LOADING - AASHTO HS-20
2. ALL PRECAST CONCRETE MANUFACTURED PARTS SHALL CONFORM TO ASTM C-478, WITH MINIMUM CONCRETE STRENGTH OF 4000 PSI AT 28 DAYS
3. JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
4. GROUND WATER ELEVATION ASSUMED AT OUTLET INVERT
5. MANUFACTURING TOLERANCE = +/-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

- 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

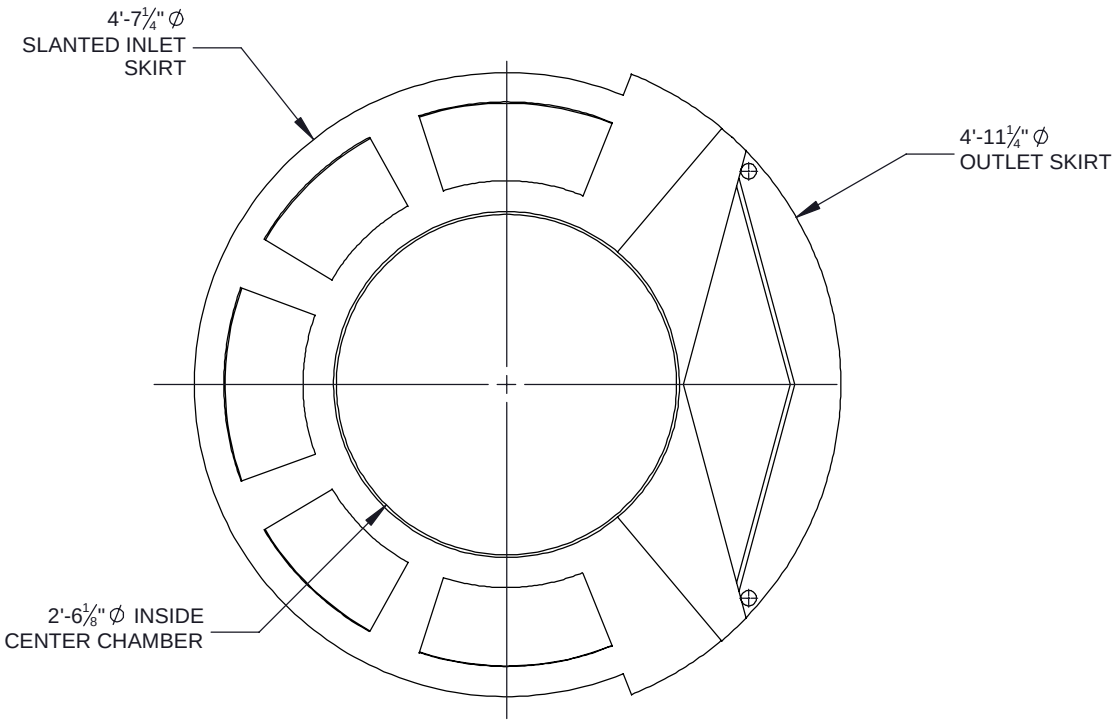
RIM ELEV. = 335.66+/-
TOP OF STRUCTURE = 335.32
INLET PIPE 1 INVERT ELEV. = 331.60
INLET PIPE 1 DIAMETER AND MATERIAL = 24"Ø RCP
OUTLET PIPE INVERT ELEV. = 331.60
OUTLET PIPE DIAMETER AND MATERIAL = 24"Ø RCP
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 326.09

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

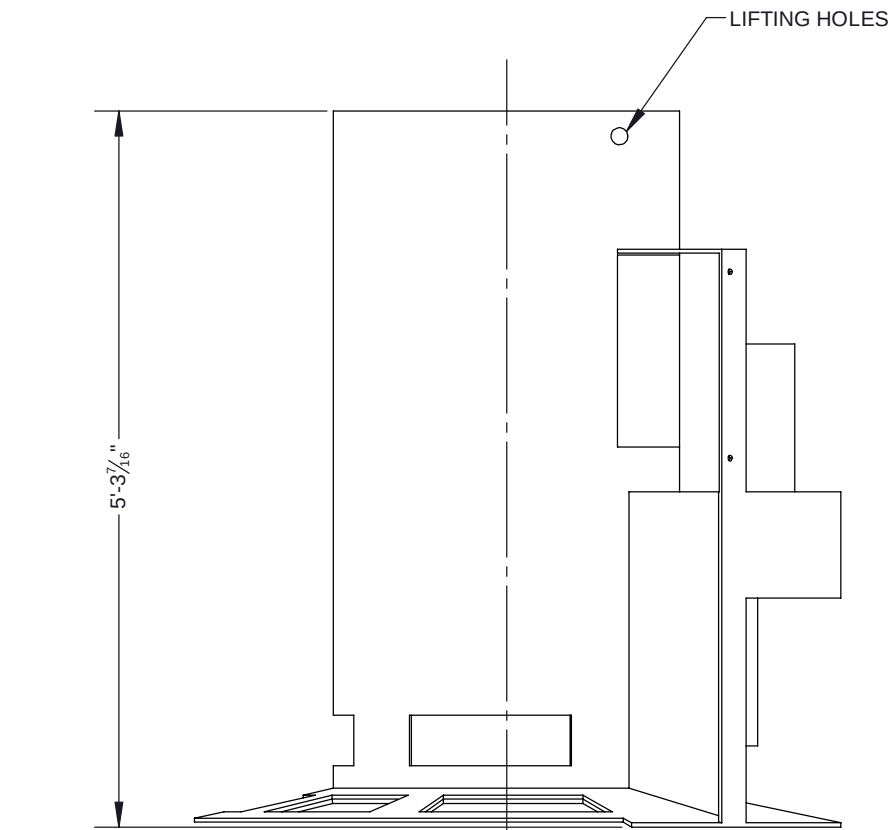
TOP SLAB = 3000 LBS.
CONTROL RISER = 8000 LBS.
BASE SECTION = 5500 LBS.



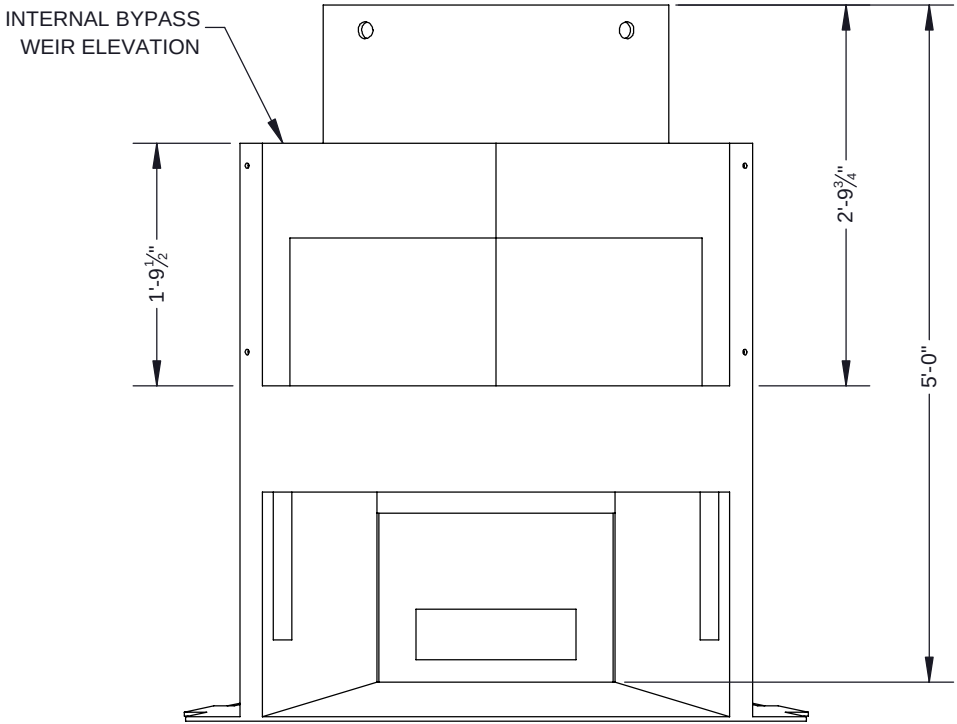




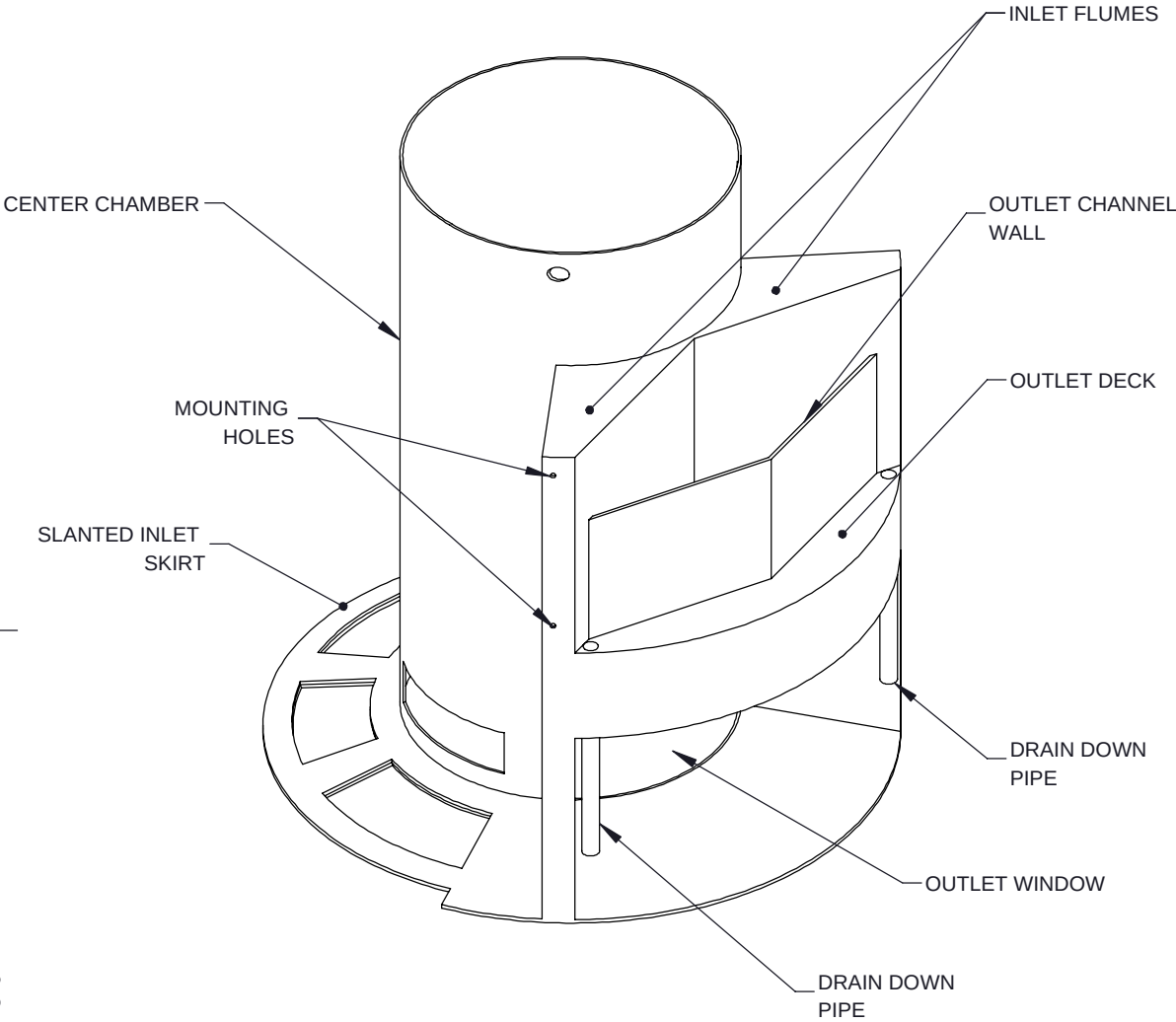
PLAN VIEW



ELEVATION VIEW



ELEVATION VIEW: OUTLET SIDE



ISOMETRIC VIEW

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

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ENGINEERED SOLUTIONS LLC
www.ContechES.com
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800-338-1122 513-645-7000 513-645-7993 FAX

REFERENCE DETAIL
INTERNALS CS-5
CASCADE SEPARATOR

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

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

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



ICAST to fully pre-assemble internal materials prior to shipment



CONTECH
FABRICATION
DRAWING

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	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
1	30"Ø X 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR

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

- 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

RIM ELEV. = 336+/-
TOP OF STRUCTURE = 335.42
INLET PIPE 1 INVERT ELEV. = 331.15
INLET PIPE 1 DIAMETER AND MATERIAL = 18"Ø HDPE
OUTLET PIPE INVERT ELEV. = 331.15
OUTLET PIPE DIAMETER AND MATERIAL = 18"Ø HDPE
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 326.40

TOP SLAB = 2000 LBS.
CONTROL RISER = 5500 LBS.
BASE SECTION = 2500 LBS.

[illegible]

CS-4 - 839248-20
ALOFT - PADUCAH
PADUCAH, KY
SITE DESIGNATION: C

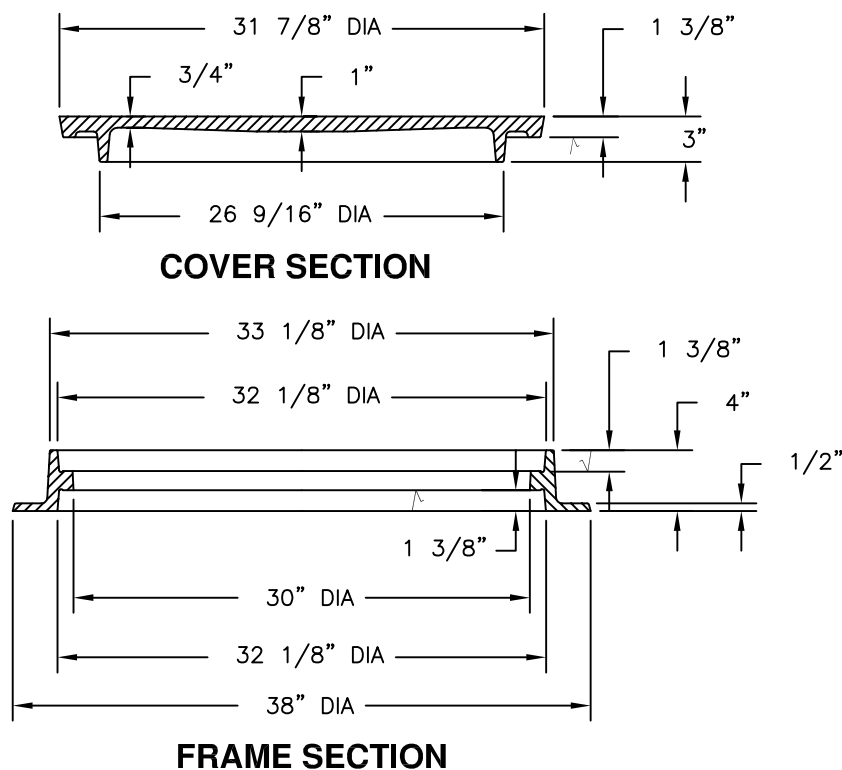
CONTECH®
ENGINEERED SOLUTIONS LLC
A **CONTECH COMPANY**

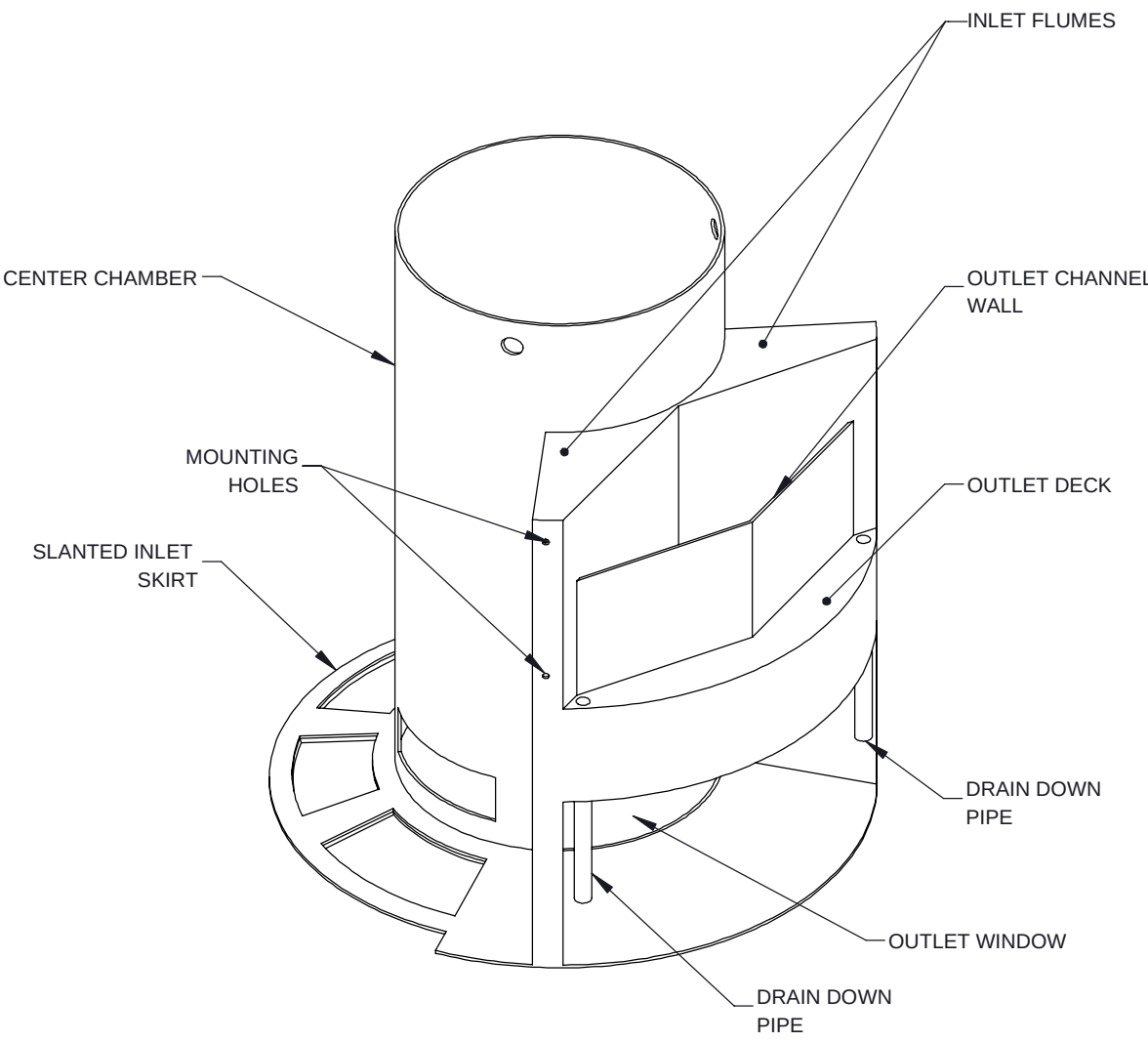
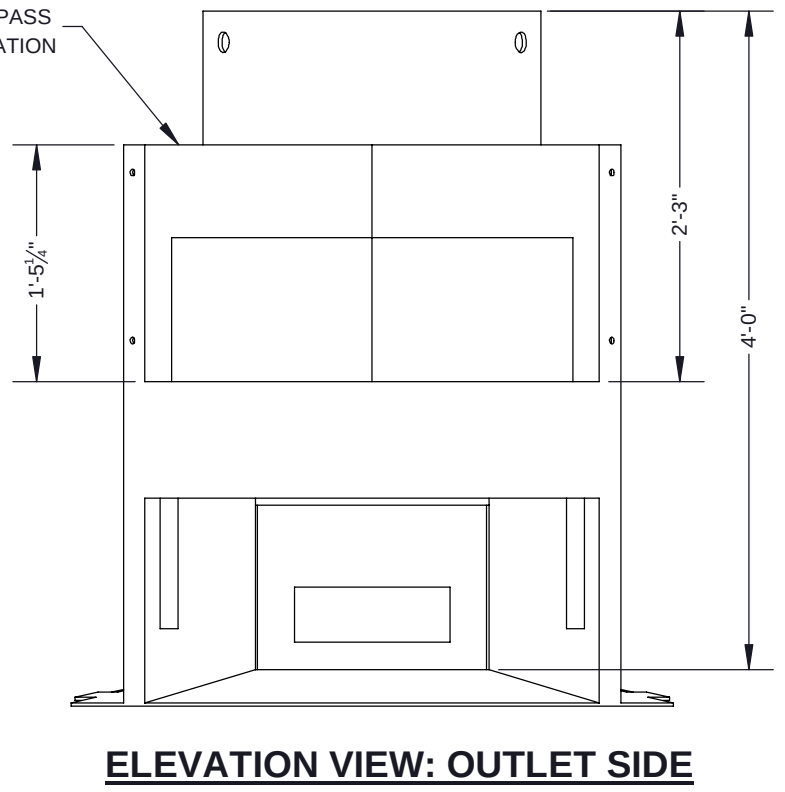
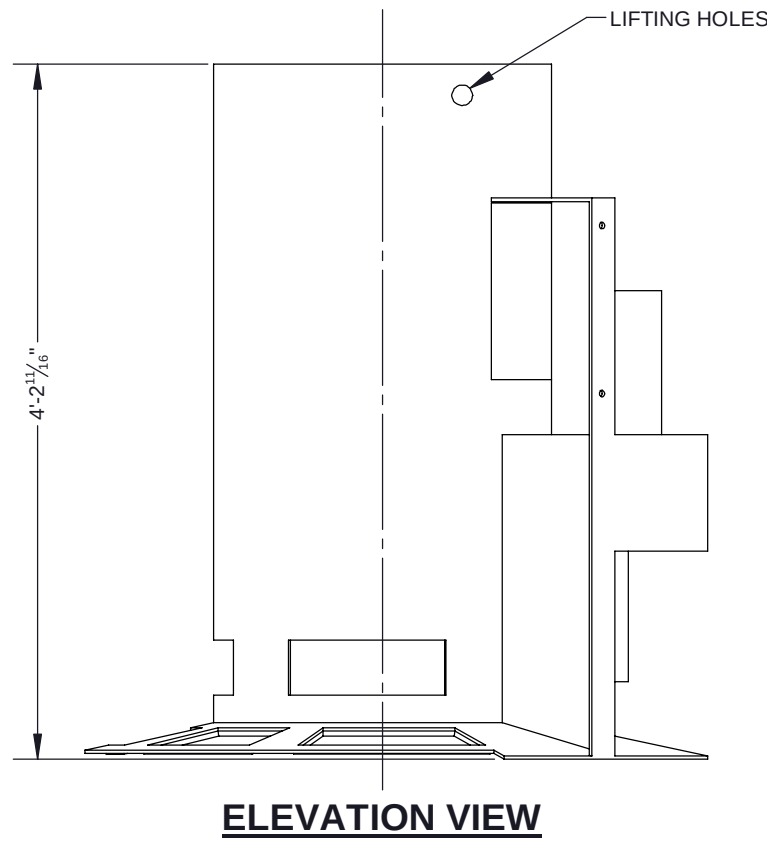
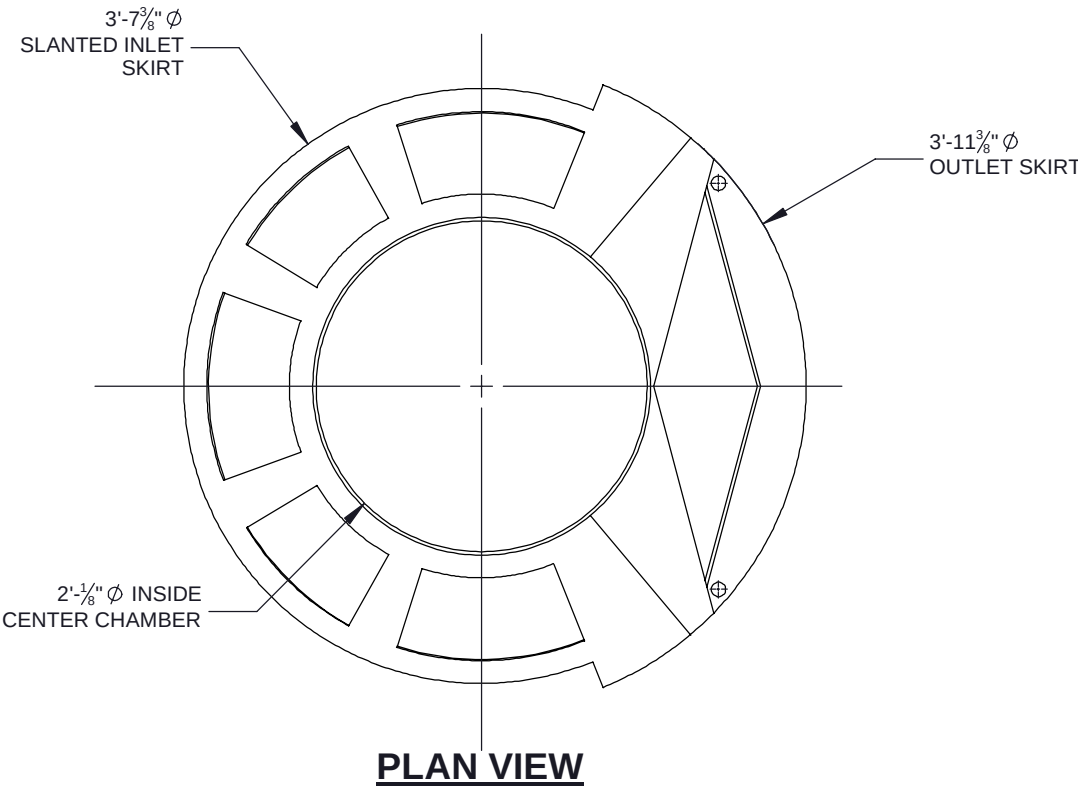
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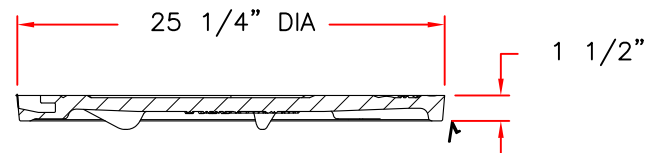
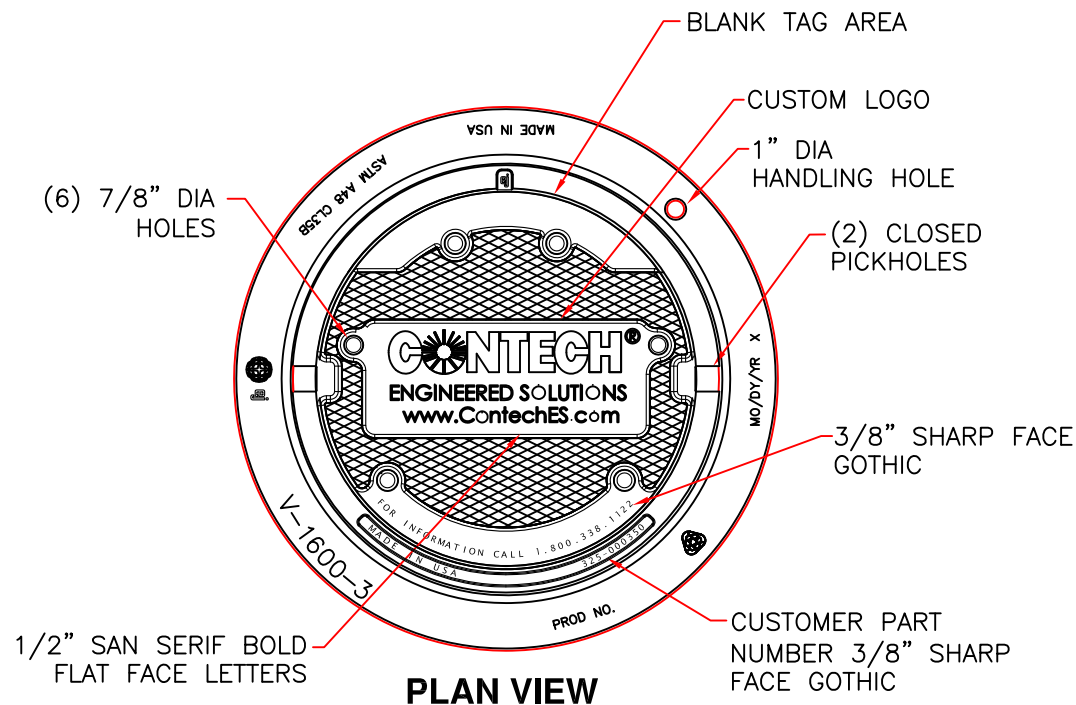
DATE: 6/16/2026	
DESIGNED: MDB	DRAWN: MDB
CHECKED: MSB	APPROVED: MDB
PROJECT No.: 839248	SEQUENCE No.: 20
SHEET: 1 OF 1	



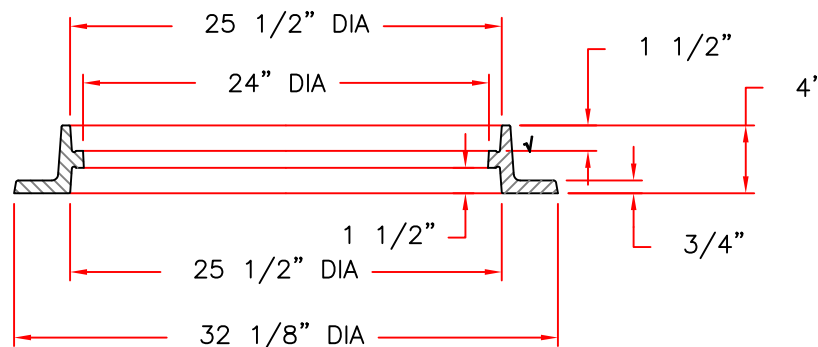


NOTES:
1. SEE CASCADE SEPARATOR INSTALLATION GUIDE FOR ADDITIONAL INFORMATION

V1600-3 V1610-3 Assembly



COVER SECTION



RING SECTION

Product Number

41600389

Design Features

- Materials
 - Frame
 - Gray Iron (CL35B)
 - Cover
 - 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

41600310
41600374

Drawing Revision

05/02/2008 Designer: DEW
6/20/2017 Revised By: DAE

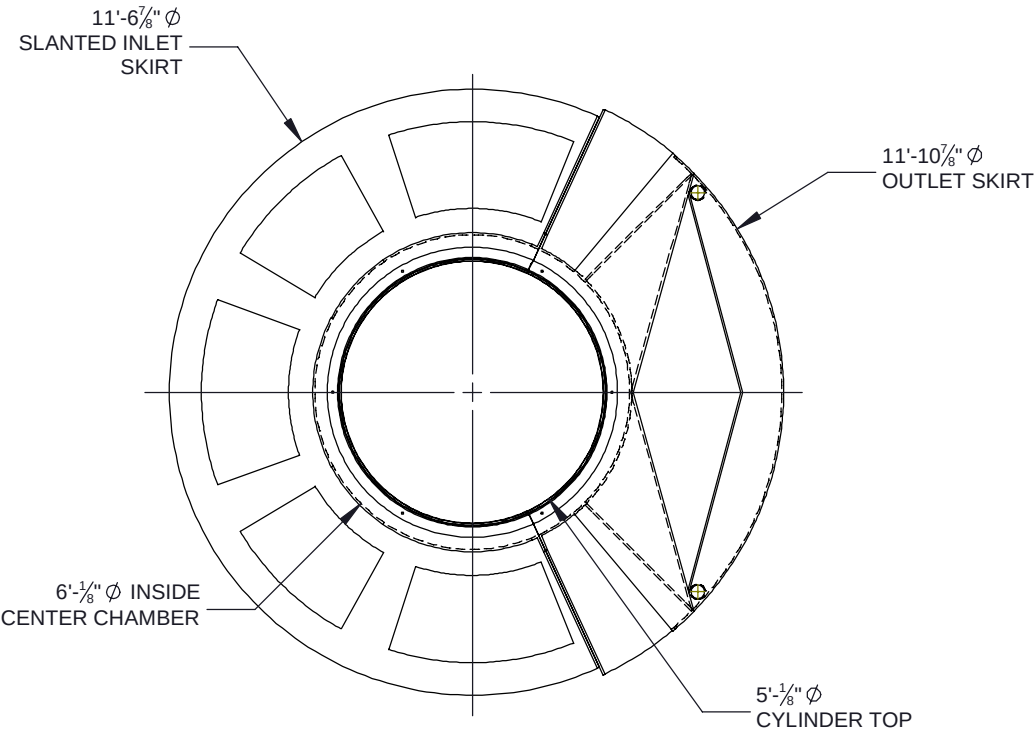
Disclaimer

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

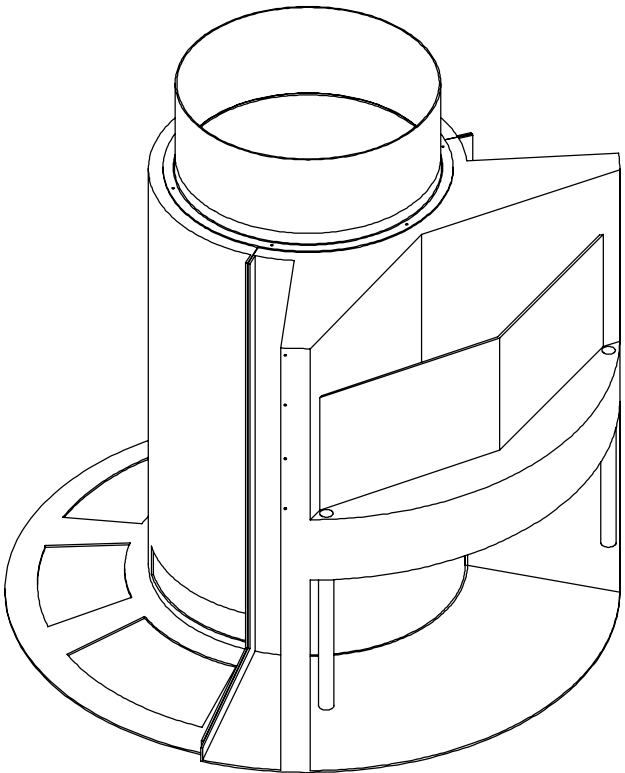
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Contact

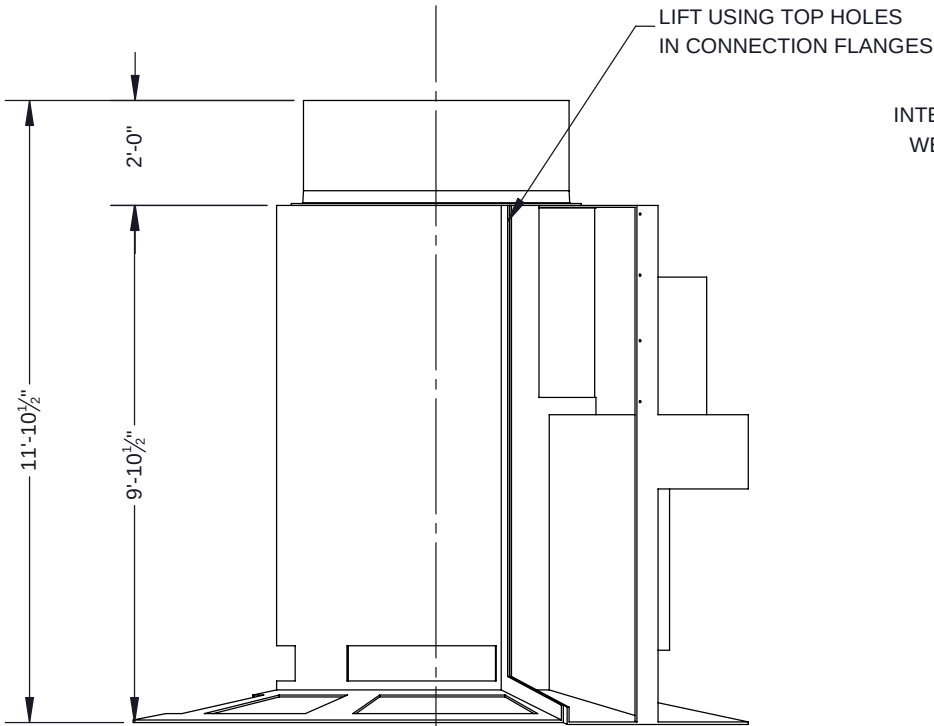
800 626 4653
ejco.com



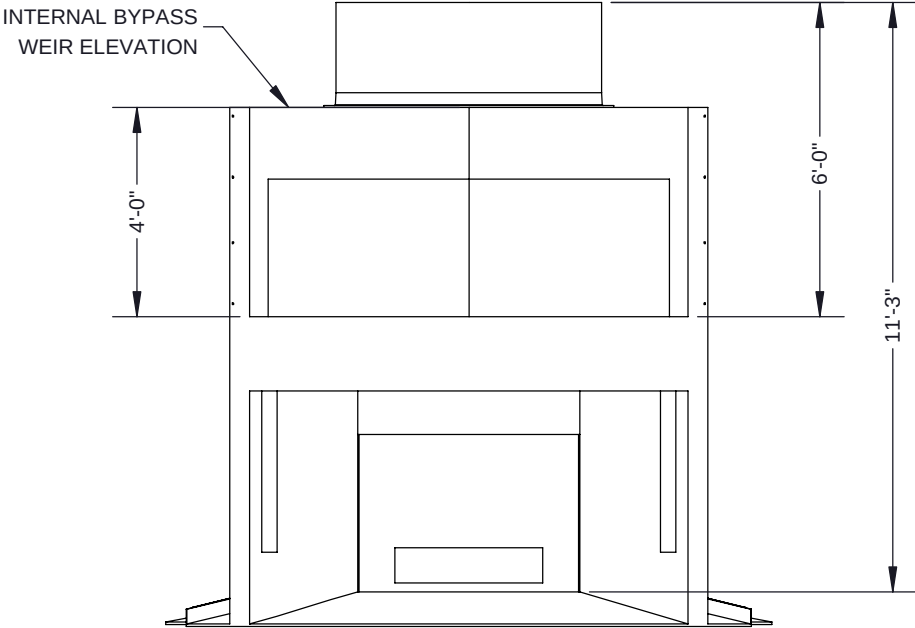
PLAN VIEW



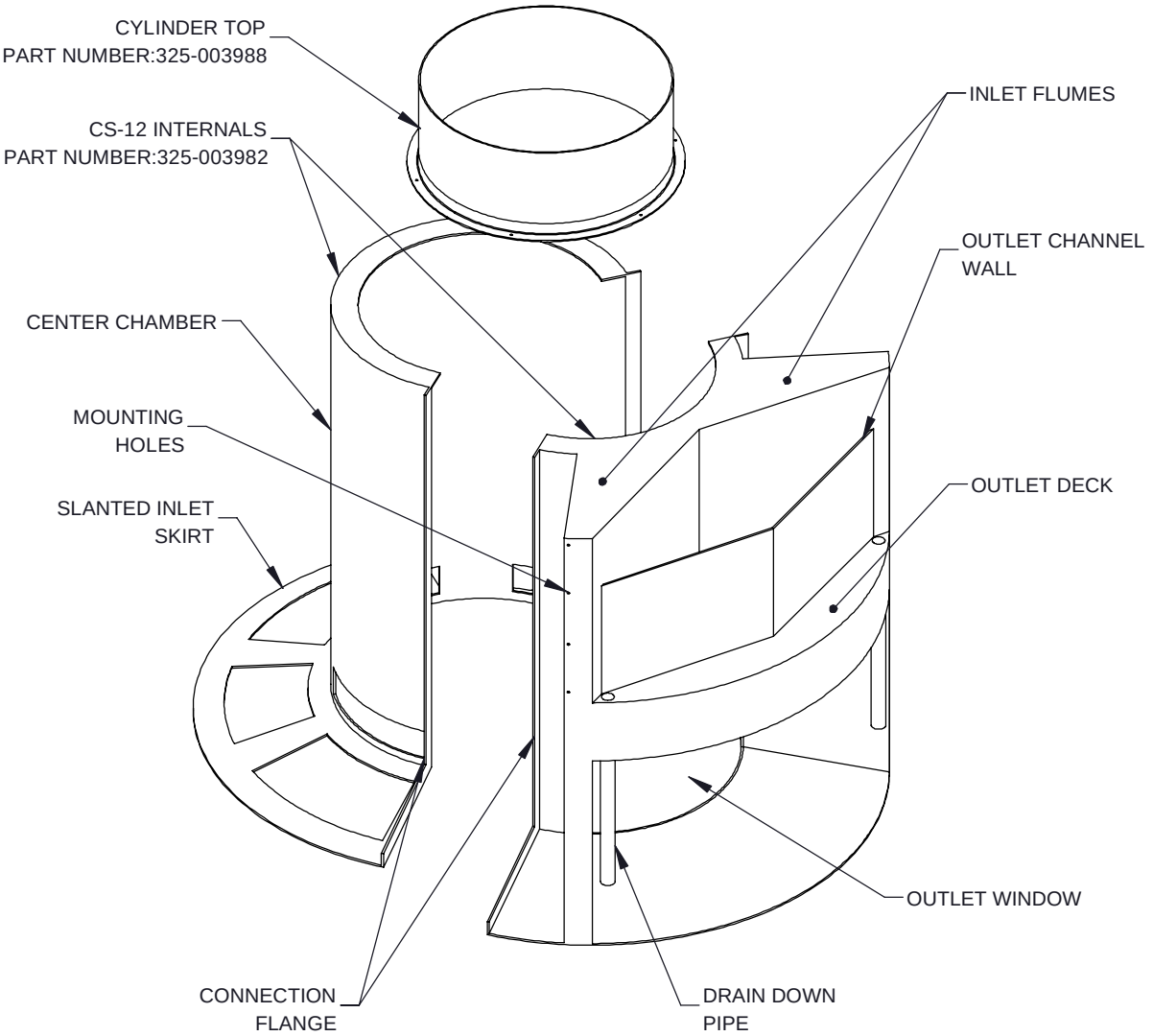
ISOMETRIC VIEW



ELEVATION VIEW



ELEVATION VIEW: OUTLET SIDE



EXPLODED ISOMETRIC VIEW

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

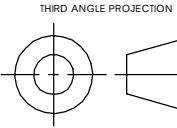
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REFERENCE DETAIL
INTERNALS CS-12 &
CYLINDER TOP
CASCADE SEPARATOR



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: 325-003982 & 003988		
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.16	REV: C
SCALE: N/A	SHEET 1 OF 1	

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°-

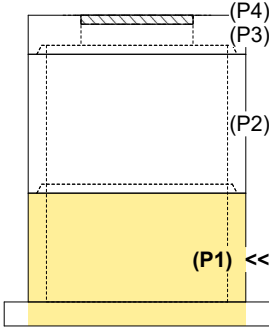
UPSIDE-DOWN VIEW (int. dimensions)

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

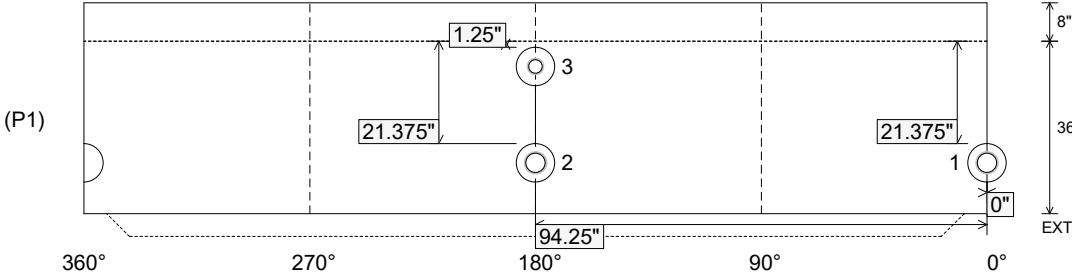
Invert: 2
Degree: 180°
Horz: 94.25"
Hole: 8"
Up(⌋): 21.375"

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:

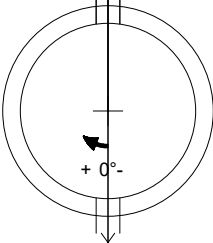
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	458.81'	0°	0"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	21.375"	0"
Invert 2	458.81'	180°	113.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	21.375"	0"
Invert 3	457.18'	180°	113.125"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"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

RIGHT-SIDE UP VIEW (int. dimensions)

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"

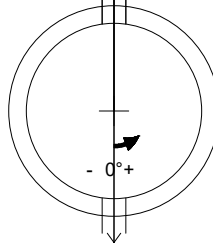


UPSIDE-DOWN VIEW (int. dimensions)

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"



(P4)

(P3)

(P2)

(P1) <<

8"

8"

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

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

1.25"

21.375"

94.25"

21.375"

0"

36"

8"

EXT

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

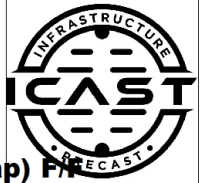
Job Name: 26-2260 - Bowling Green JR High School
Job Location: Bowling Green, KY
Contractor: Scott & Ritter, Inc.

Plant: 100

7/15/2026 1:38:07 PM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: QL7 GT1500

P2 BX072144-08LD06S

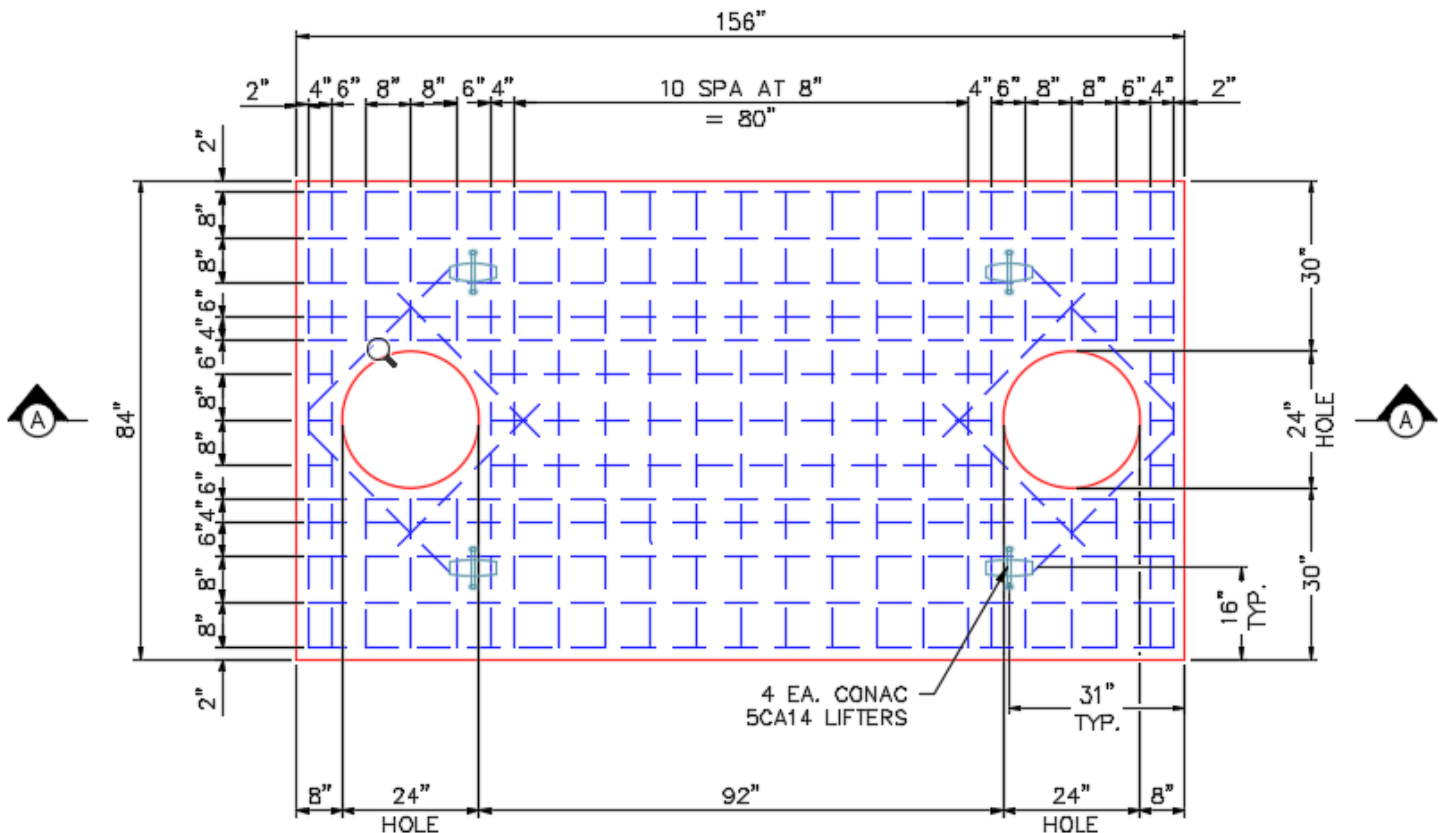
CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F

- 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

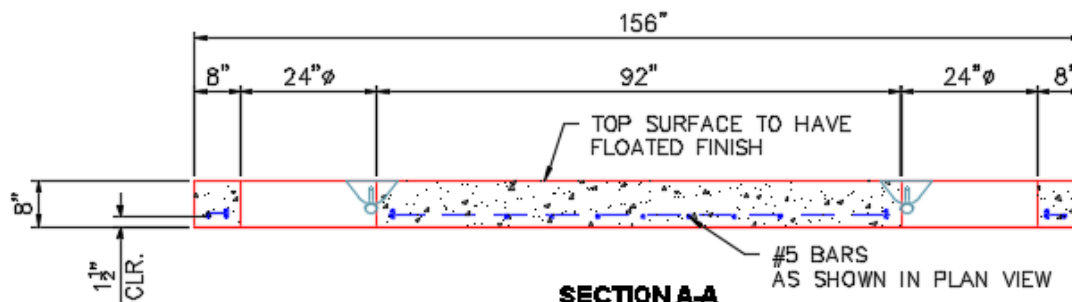
0 lb
8190 lb
17535 lb
1073 lb
0 lb
8 lb
6 lb

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.



PLAN VIEW



SECTION A-A

#BAR LIST

- 17 ea @ 80" LONG
- 10 ea @ 152" LONG
- 3 ea @ 84" LONG
- 8 ea @ 36" LONG

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 8190 lb
Volume (Net): 2.09cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)

Job Location: Hopkinsville, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

6/26/2026 7:35:30 AM

Tech: J. Horsley

PC: C. Goff



Structure ID: 107

P1 BX24300808VF

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

P2) 24" x 30" - CASTING HEIGHT - 3.75"

P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht F/n - 35"

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

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

2) Hole - 24

0 lb

3898 lb

421 lb

0 lb

0 lb

Structure Total: 4319 lb

Structure Notes:

** KYTC STATE PROJECT **

STATION: 402+25 RT

1. PER KYTC DBI TYPE 11 / ASTM C-913 SPECS

2. CONCRETE: 4,000 PSI AT 28 DAYS

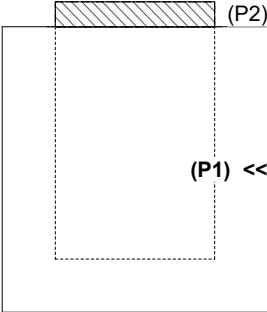
3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. HOE KY-460-11 FRAME & GRATE SUPPLIED BY ICAST

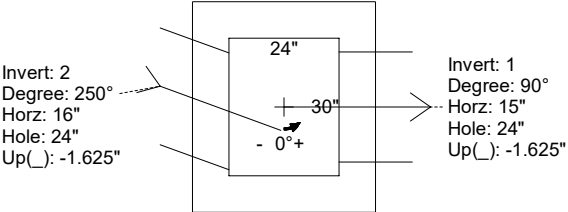
Rim: 543.14' Rim to Invert: 3.25' Slack: 0.25" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	539.89'	90°	23"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"
Invert 2	539.89'	250°	21"	18" HDPE	21.2"	Hole 24	24"	25.54"	-1.625"	5"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

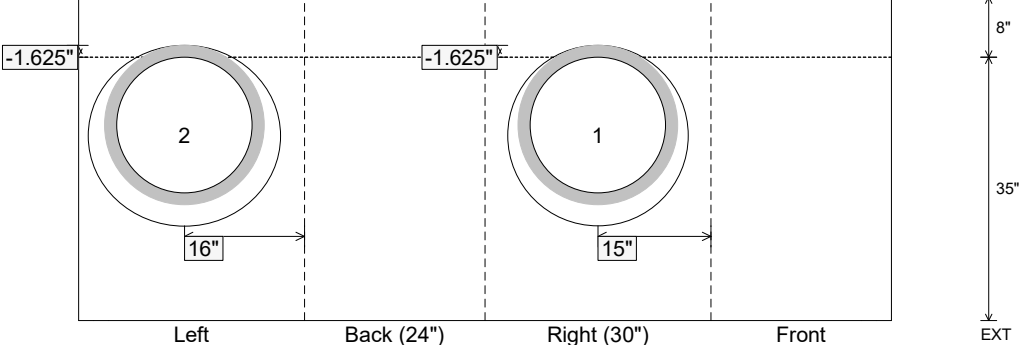
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

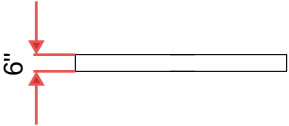
Floor Height: 8"

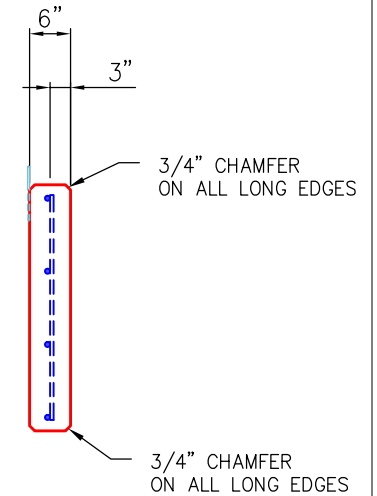
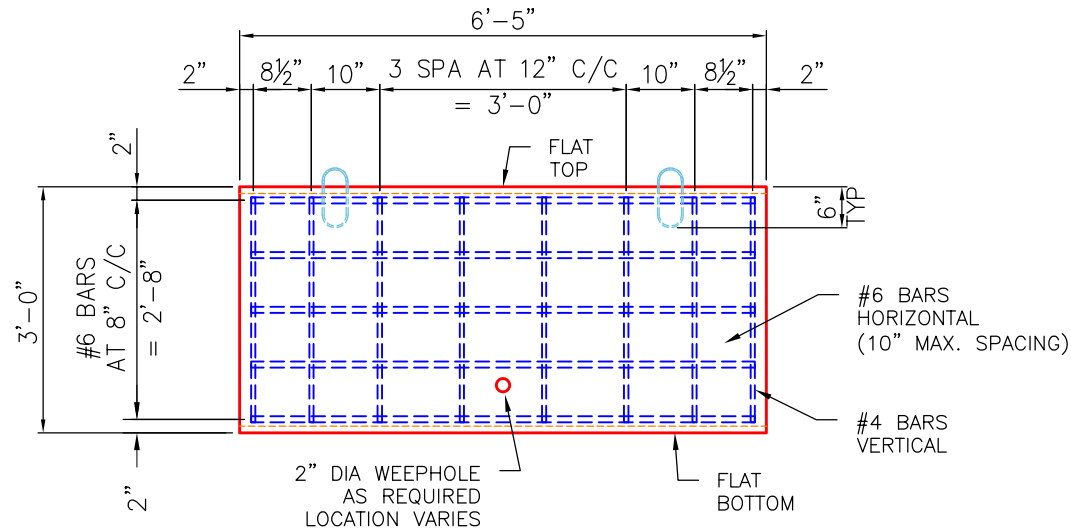
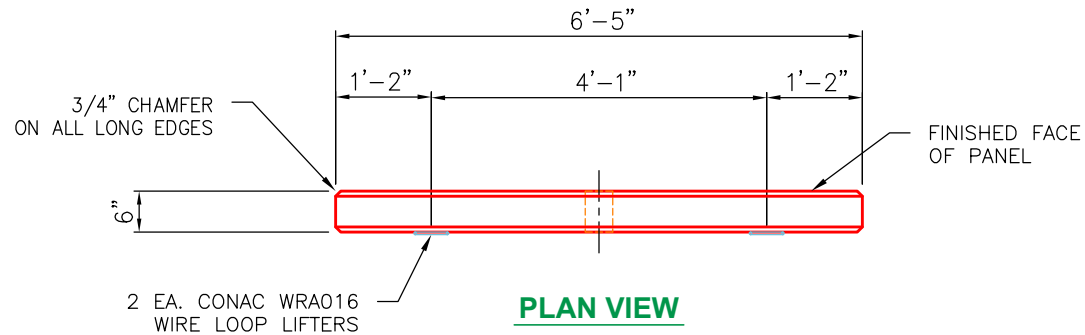
Height (Int): 35"

Height (Ext): 43"

Weight (Net): 3898 lb

Volume (Net): 1cu.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 1:22:05 PM		Tech: J. Horsley PC: J. Jarvis																
Structure ID: WALL P11-P12																							
P1 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) 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) <<  UPSIDE-DOWN VIEW (int. dimensions) Note: See attached typical drawing for reinforcing and lifting details. INSIDE WALL DIMENSIONS 6'-5" (77") EXT 36" <tr><td colspan="3">Coating (Int): Coating (Ext):</td><td colspan="2">Seam Up: Flat Seam Dn: Flat</td><td colspan="2">Wall Thickness: 0" Floor Height: 0"</td><td colspan="2">Height (Int): 36" Height (Ext): 36"</td><td colspan="3">Weight (Net): 1398 lb Volume (Net): 0.36cu.yd</td></tr>												Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd		
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd														



GENERAL NOTES:

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

SIDE VIEW

END VIEW

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

Job Name: 26-1333 - Mitchell Hill Road Project

Job Location: Louisville, KY 40118

Contractor: Hall Contracting of Kentucky Inc

Plant: 100

6/16/2026 1:23:26 PM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: WALL P11-P12

P2 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'

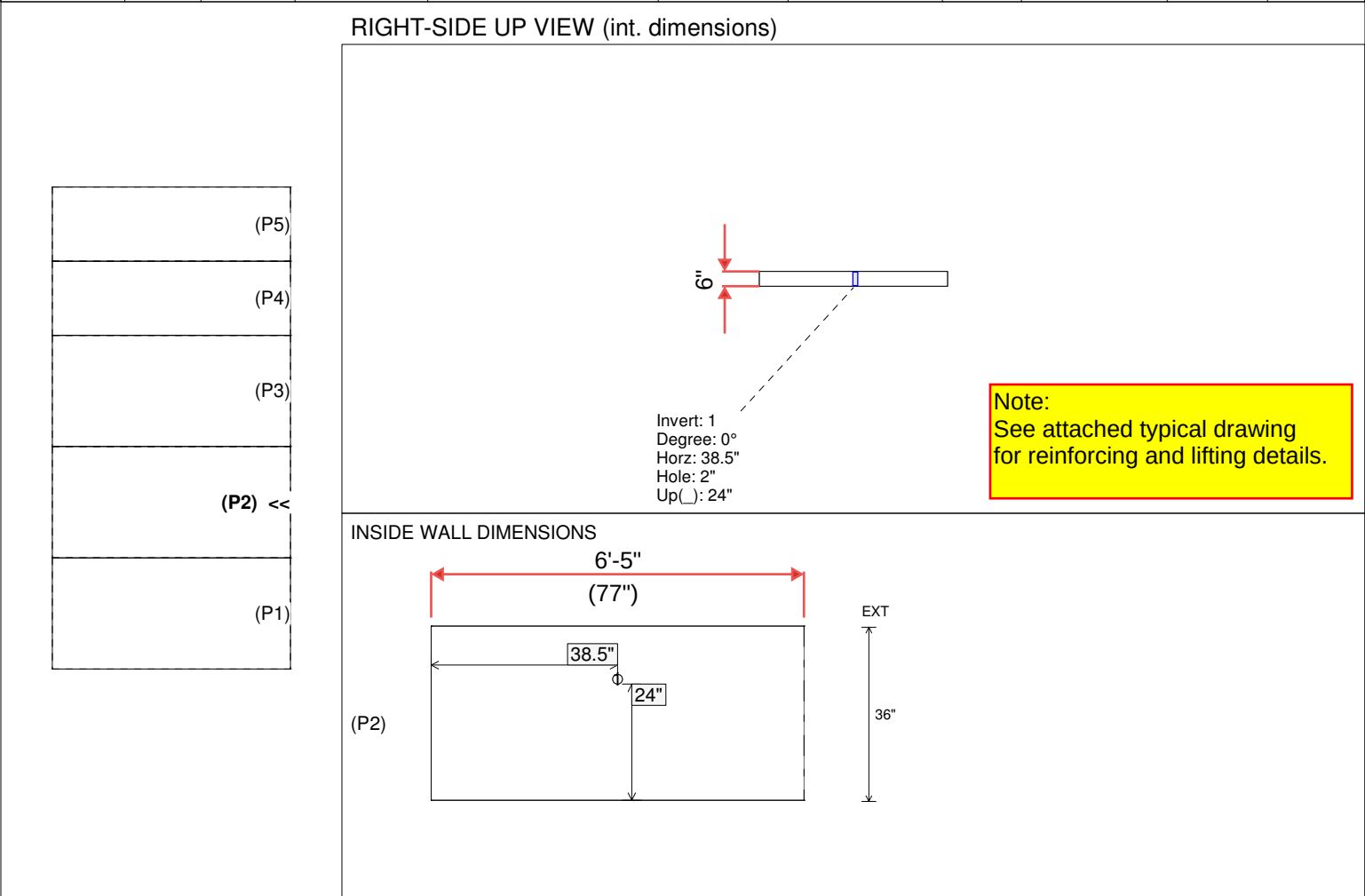
Rim to Invert: 8'

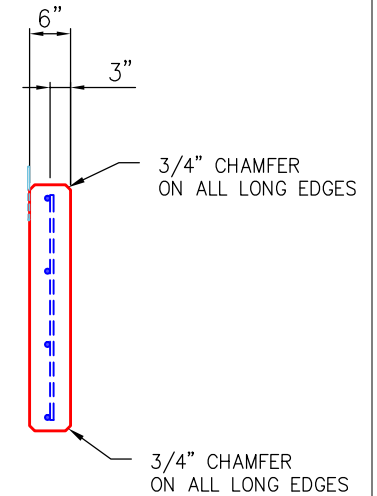
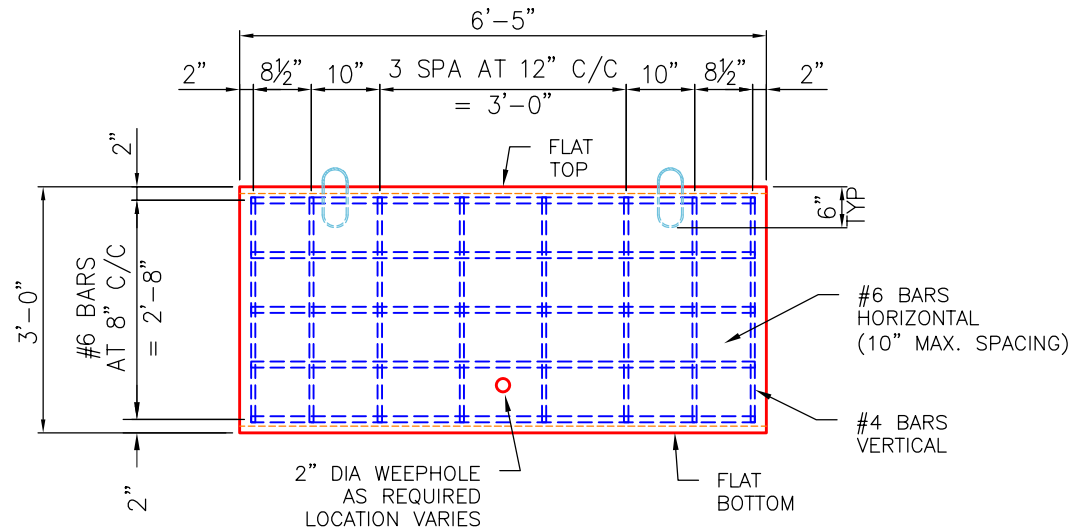
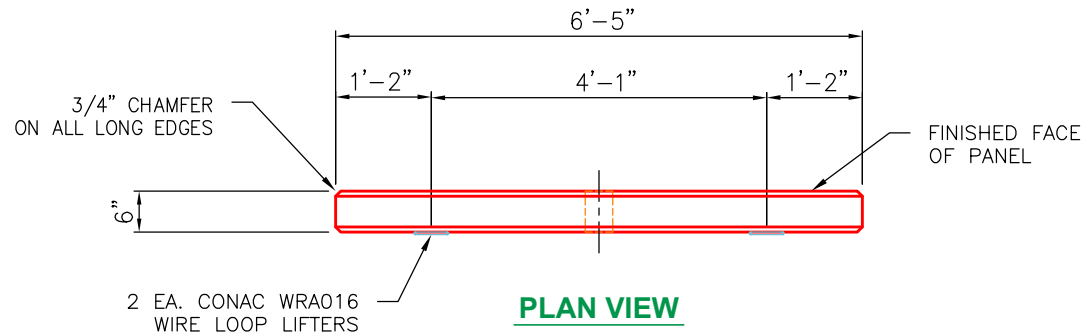
Slack: 0"

Sump: 60"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	689'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	24"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										





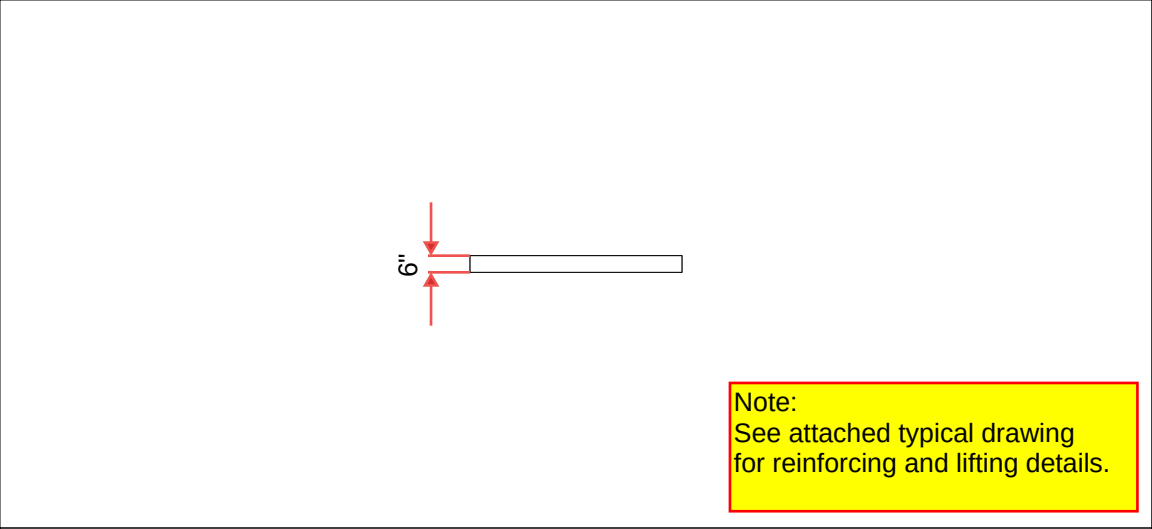
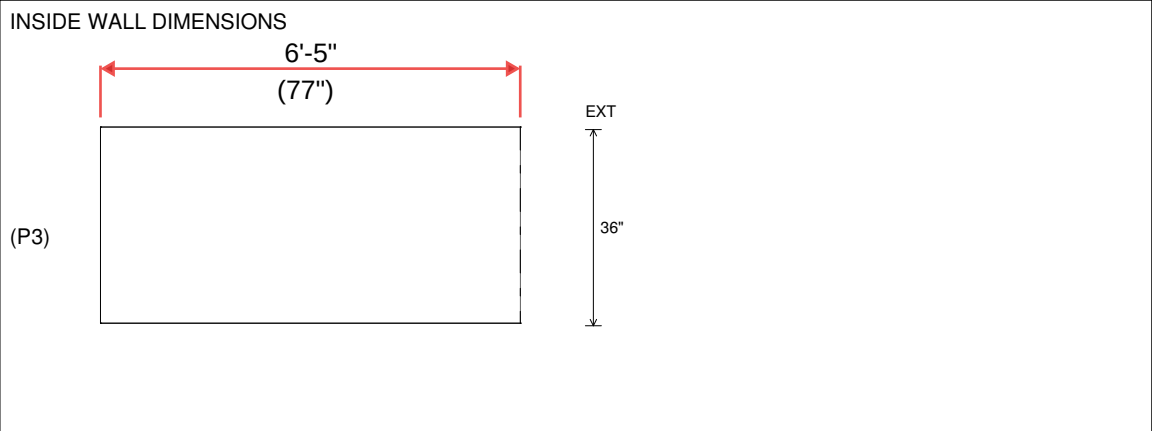
GENERAL NOTES:

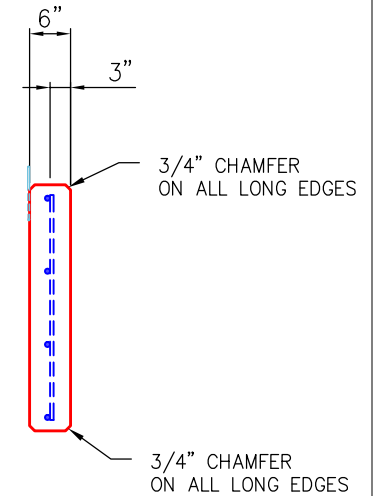
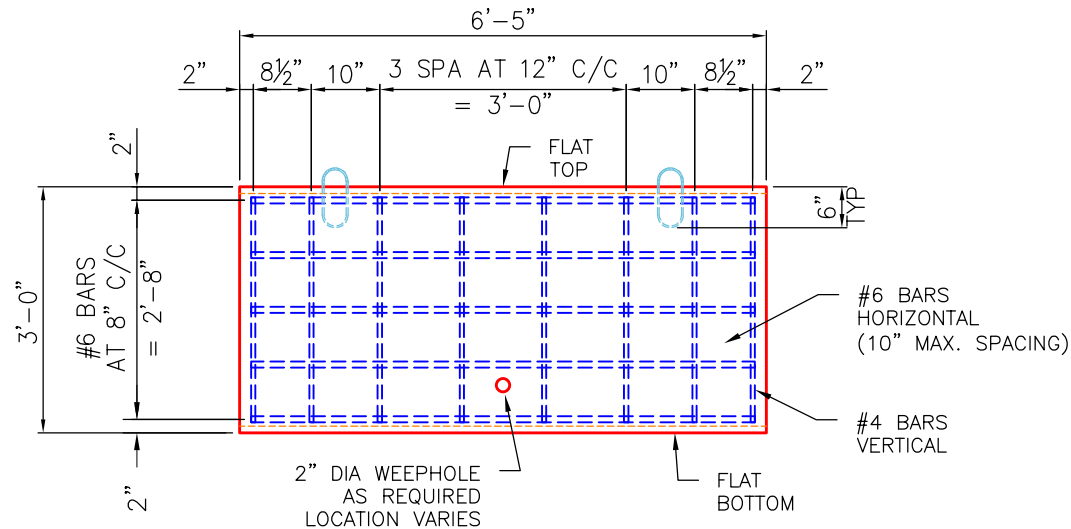
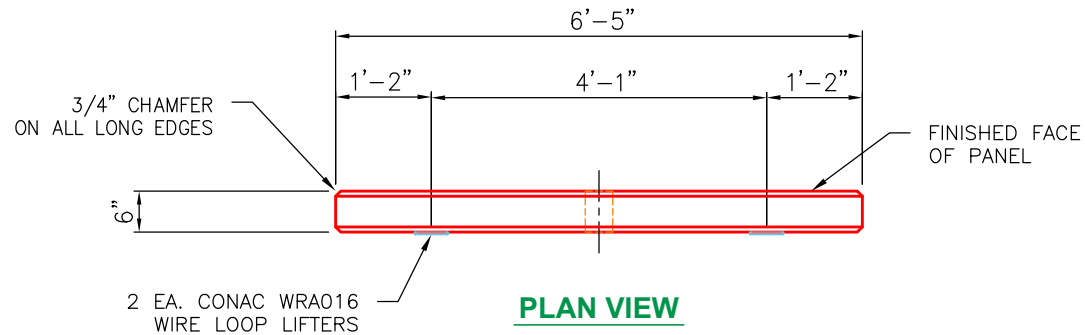
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

SIDE VIEW

END VIEW

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

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:27 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P11-P12											
P3 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): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd	



GENERAL NOTES:

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

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 36" HT)

SALES ORDER NO: 26-1333

CHECK: B. SMITH

DRAWN BY: J. HORSLEY

DATE: 04/20/26

SCALE: NTS

PG. 1 of 1

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

Plant: Beaver Dam
6/1/2026 8:24:19 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-39

P3 BX036048-10LD08W-SP

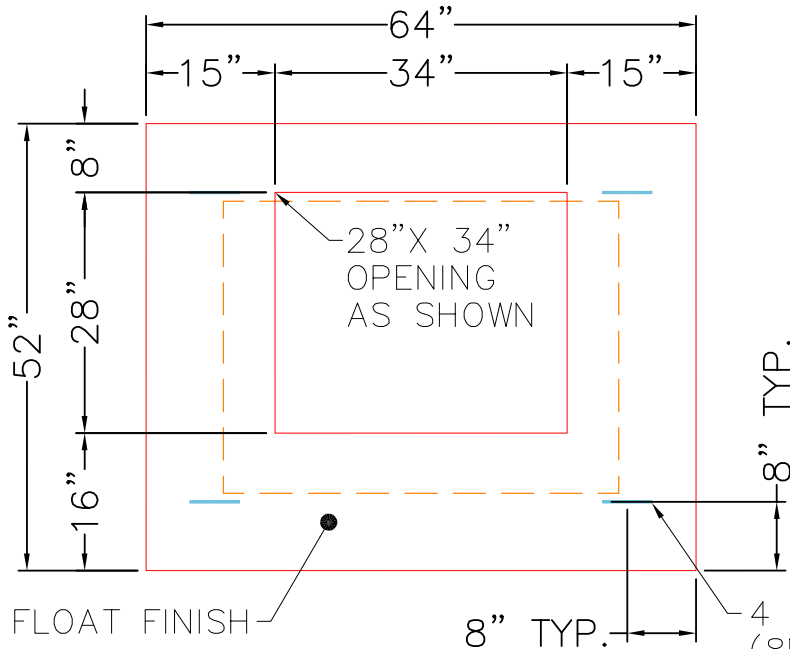
BX FLAT LID 8"W - TDOT 12P (28"x34" Hole)

- 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

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.

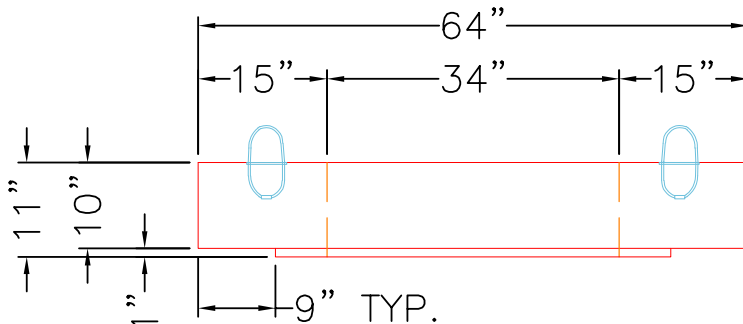
Structure Total:



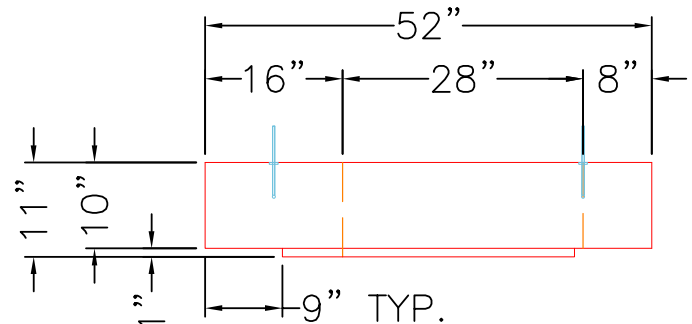
TOP VIEW

GENERAL NOTES:

1. MANUFACTURED TO TDOT D-CB-12 / ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,500 PSI AT 28 DAYS.
3. REINFORCING: PER TDOT DRAWING D-CB-12S MODIFIED (GRADE 60).
4. WEIGHT: 2,044 LBS
5. JOINT SEALANT TO BE CONSEAL CS-102, 1".



FRONT VIEW



RIGHT VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 10"

Weight (Net): 2044 lb
Volume (Net): 0.52cu.yd