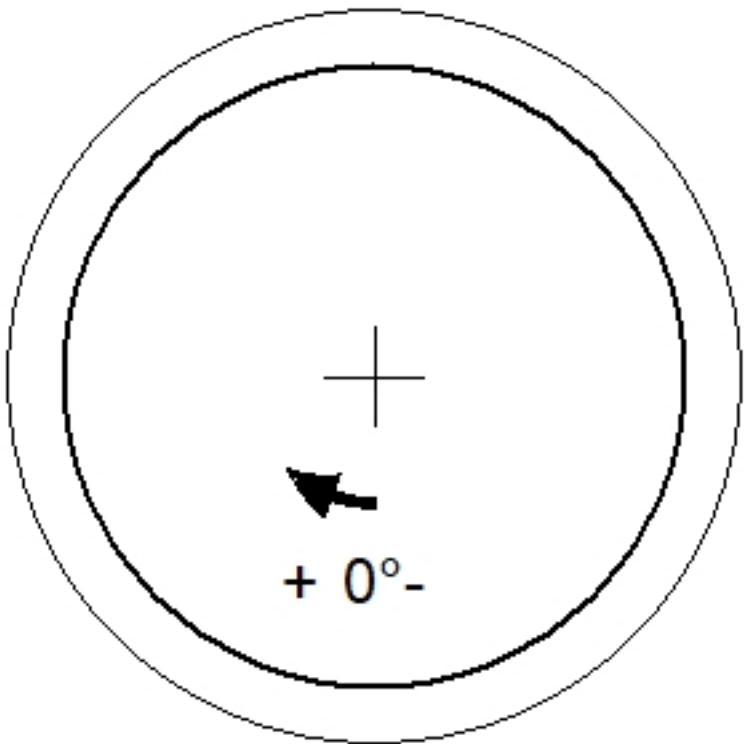
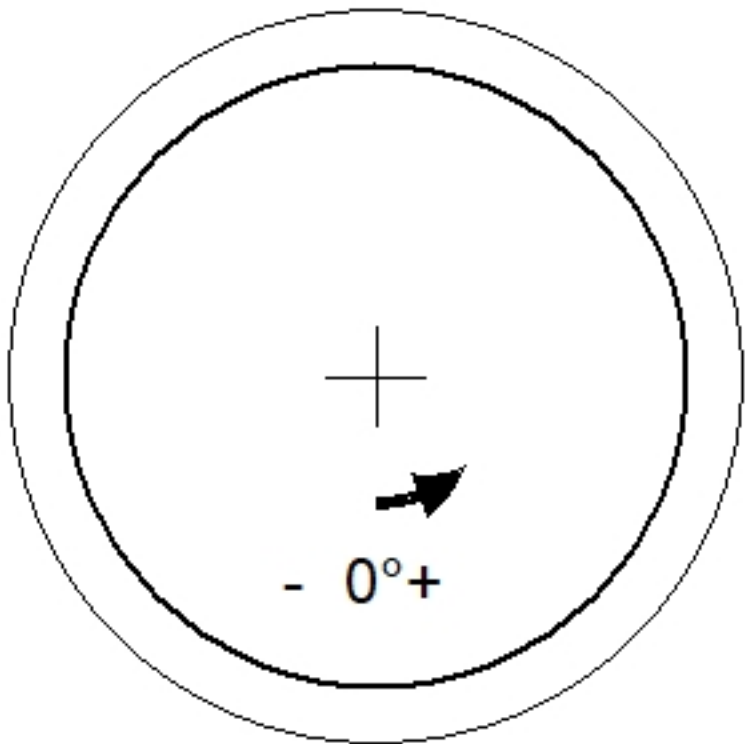
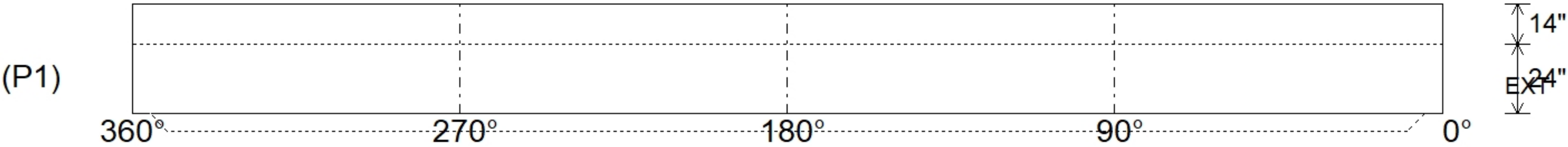


Job Name: 26-2722 863539 South Oldham High School					Plant: Beaver Dam		Tech: S. Felletter							
Job Location: Crestwood, KY					7/8/2026 9:13:38 AM		PC: C. Goff							
Contractor: Contech Engineering Solutions														
Structure ID: 30-CS-12														
P1		MH144BVF		MH MONOBASE 14F, Custom Ht T/n										
P6) 24" - CASTING HEIGHT - 4" P5) 144" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18" P4) 144" - MH RISER Custom Ht T/G - 50" P3) 144" - MH RISER Custom Ht T/G - 69" P2) 144" - MH RISER T/G - 48" P1) 144" - MH MONOBASE 14F, Custom Ht T/n - 24" 1) ASSEMBLY REQUIRED - BRACKETS ONLY 1) CVSTENCILING 4) 144" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) Hole - 36 1) Hole - 24 2) Hole - 20 1) Hole - 8					0 lb 23623 lb 25664 lb 36004 lb 25826 lb 39578 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 150696 lb		Structure Notes: 4" CASTING BY OTHERS LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE ICAST TO INSTALL BRACKETS ONLY CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE							
Rim: 754.15'					Rim to Invert: 9.06'		Slack: 3.756"		Sump: 108.036"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset				
Invert 1														
Invert 2														
Invert 3														
Invert 4														
Invert 5														
Invert 6														
Invert 7														
Invert 8														
					RIGHT-SIDE UP VIEW (int. dimensions)					UPSIDE-DOWN VIEW (int. dimenions)				
														
					INSIDE WALL DIMENSIONS									
														
Coating (Int):			Seam Up: Tongue		Wall Thickness: 13"		Height (Int): 24"		Weight (Net): 39578 lb					
Coating (Ext):			Seam Dn: n/a		Floor Height: 14"		Height (Ext): 38"		Volume (Net): 10.11cu.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 9:09:11 AM

Tech: S. Felletter
PC: T. Ryan



Structure ID: S216

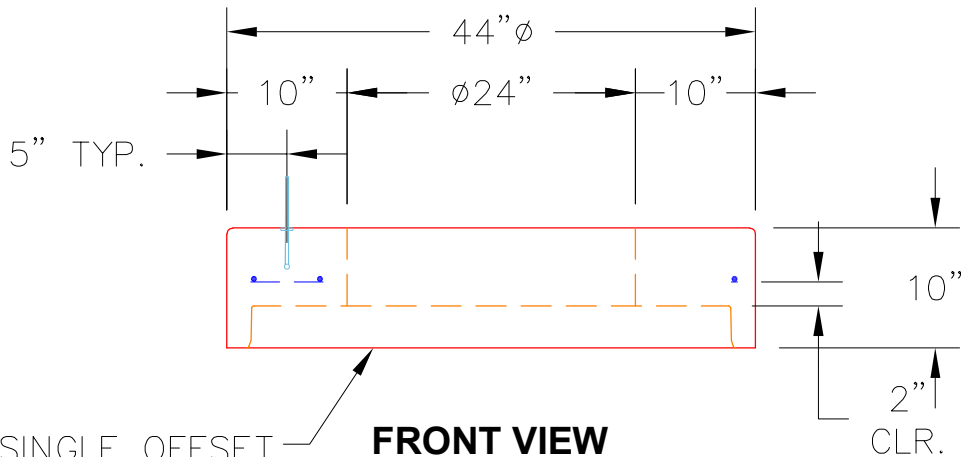
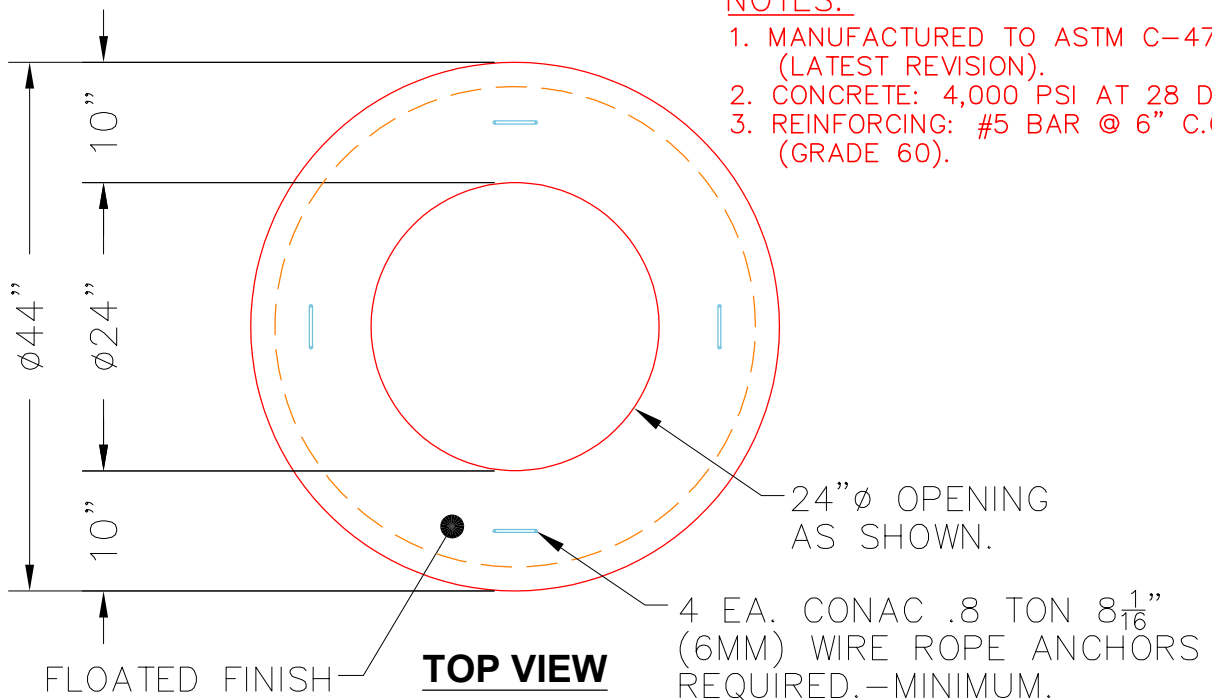
P5 MH036LD10

MH FLAT TOP w/ 24" Ctr. Hole F/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" - Con seal CS-102 1.00" (Double)
2) 24" - Con seal 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
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.



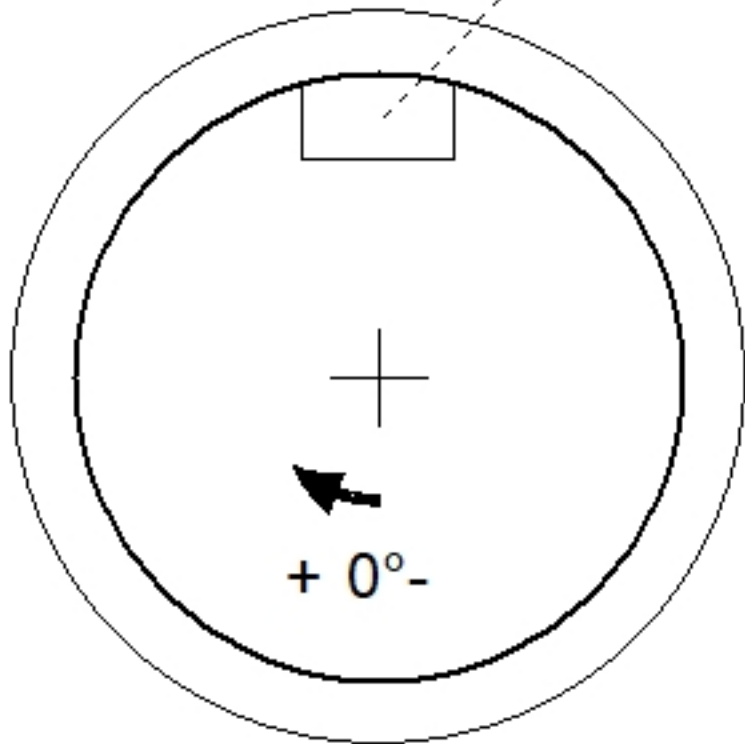
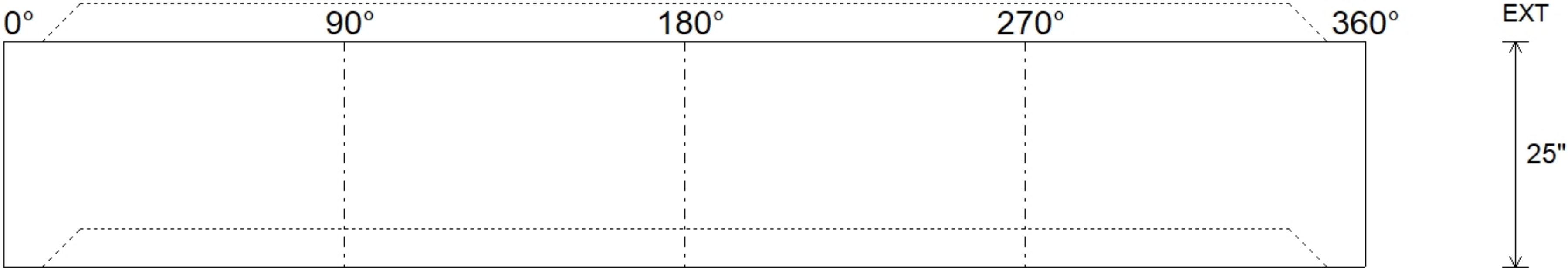
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 4"

Height (Ext): 10"

Weight (Net): 896 lb
Volume (Net): 0.23cu.yd

Job Name: 25-2284C Parks at Cane Ridge Ph.2B Job Location: Antioch, TN Contractor: Josh King Excavating					Plant: Beaver Dam 7/21/2026 8:41:53 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: E7.0											
P1		MH048RSVF		MH RISER Custom Ht T/G							
P1) 48" - MH RISER Custom Ht T/G - 25" 2) MH Step ML-10-TDS-NCR - 10"						1746 lb 0 lb ----- Structure Total: 1746 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. REINFORCING PER ASTM A615 (GRADE 60). - RISER/WALLS (As .12)			
Rim: 2.083'		Rim to Invert: 0'		Slack: 0"		Sump: 0"		Step Position: 180			
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									
(P1)											
		Coating (Int): Coating (Ext):		Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 25" Height (Ext): 25"		Weight (Net): 1746 lb Volume (Net): 0.45cu.yd	

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

Plant: 100

7/20/2026 8:29:50 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: CB-36

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 - 49"
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: 5607 lb

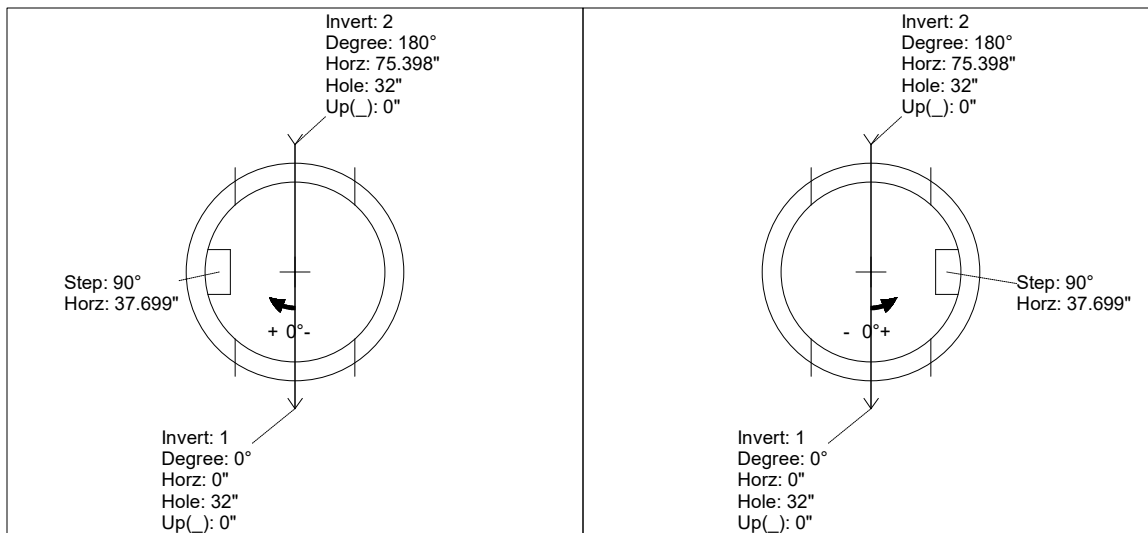
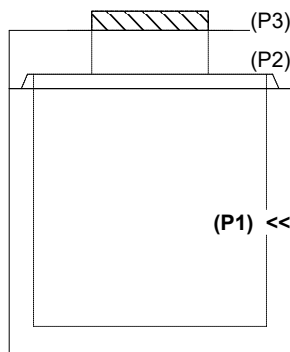
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 1076' Rim to Invert: 5.2' Slack: 0.4' Sump: 3' Step Position: 90°

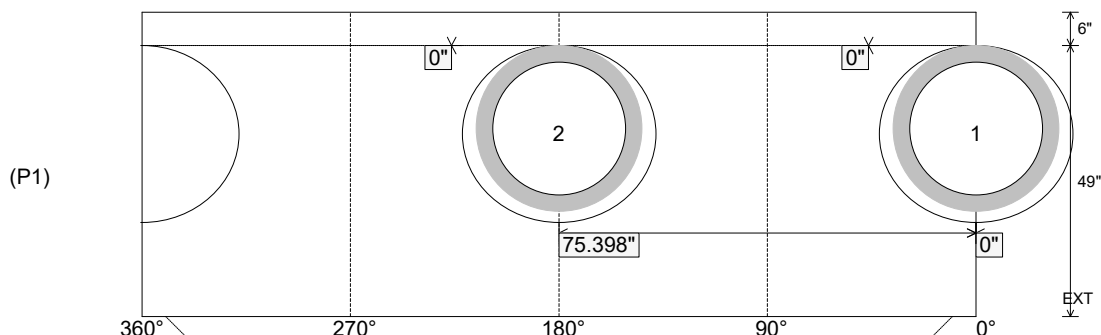
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	1070.8'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 2	1070.8'	180°	91.106"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
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

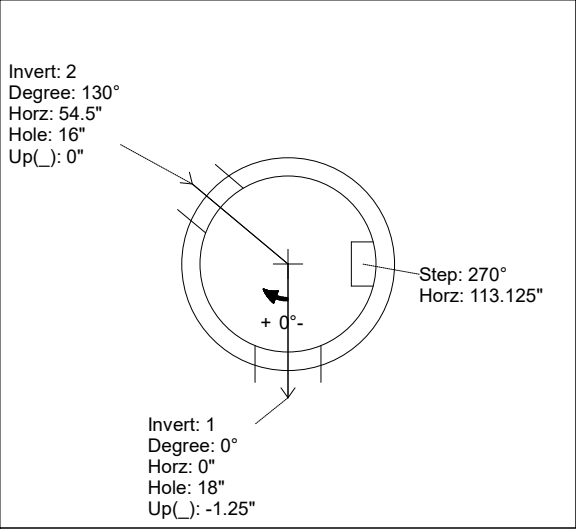
Wall Thickness: 5"
Floor Height: 6"

Height (Int): 49"
Height (Ext): 55"

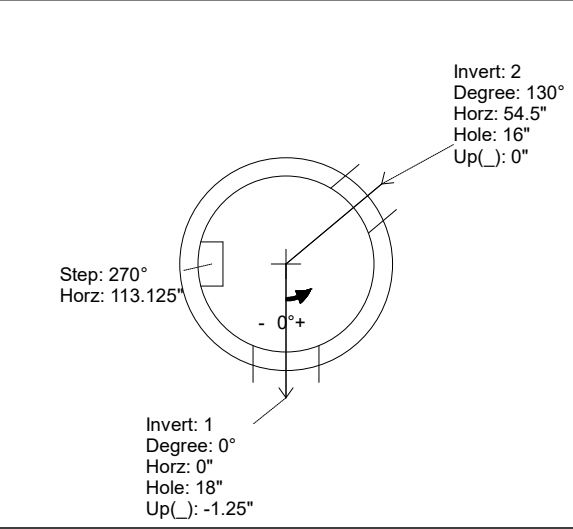
Weight (Net): 4027 lb
Volume (Net): 1.03cu.yd

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 6:19:38 PM		Tech: Jared - F PC: M. Sullivan						
Structure ID: 6 ST-MH													
P1 MH048BA24		MH BASE T/n											
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 4" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH BASE T/n - 24" 1) CASTING - HOE MC-375 F/C Storm 1) 48" - Con Seal CS-102 1.00" 2) 24" - Con Seal CS-102 1.00" 1) Hole - 18 1) Hole - 16 2) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 1561 lb 2812 lb 271 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 4914 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.					
Rim: 861.84' Rim to Invert: 4.02' Slack: 1.24" Sump: 0" Step Position: 270°													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1	857.82'	0°	0"	12" HDPE	14.5"	Hole 18	18"	18.451"	-1.25"	0"			
Invert 2	857.92'	130°	65.75"	12" HDPE	14.5"	Hole 16	16"	16.312"	0"	0"			
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													

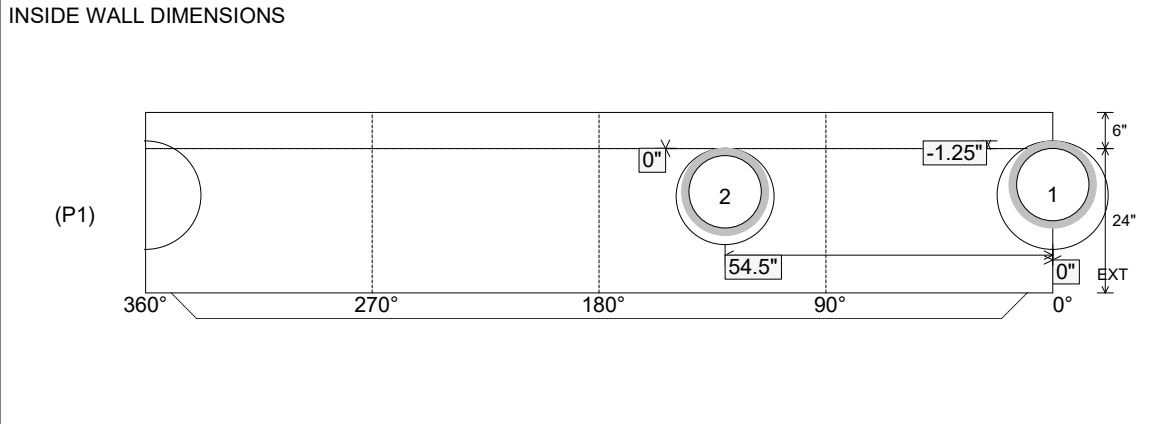
RIGHT-SIDE UP VIEW (int. dimensions)



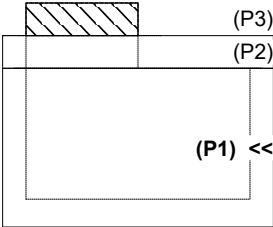
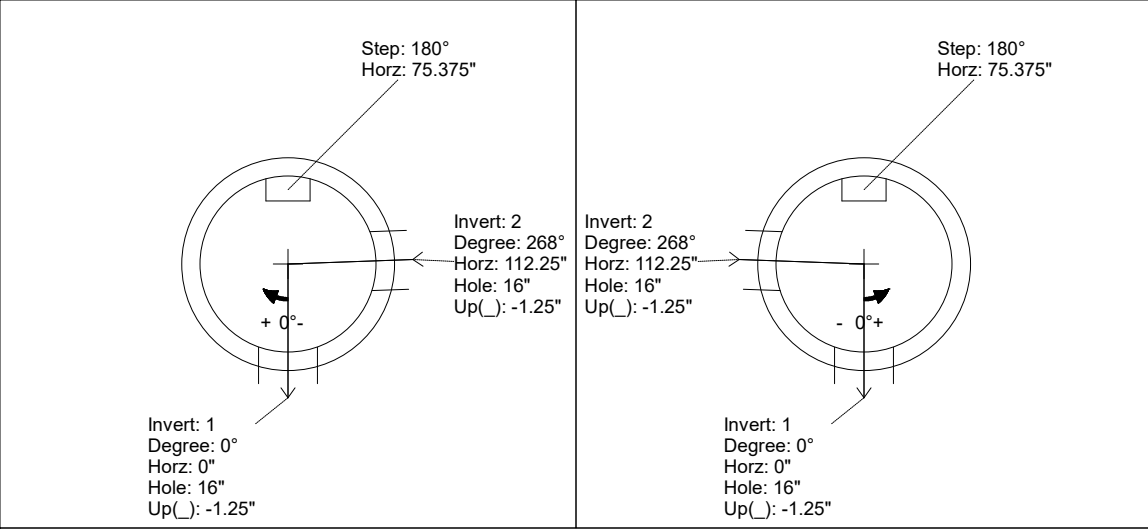
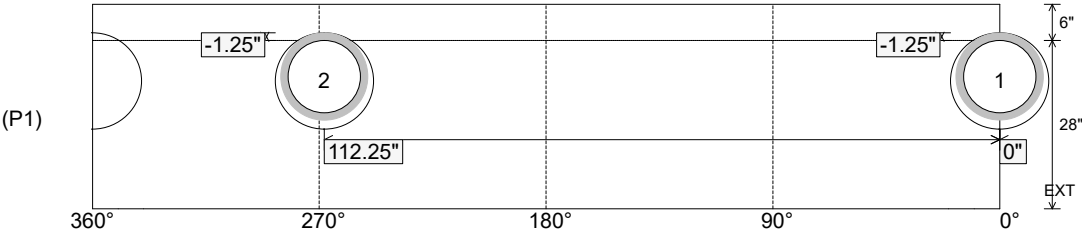
UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

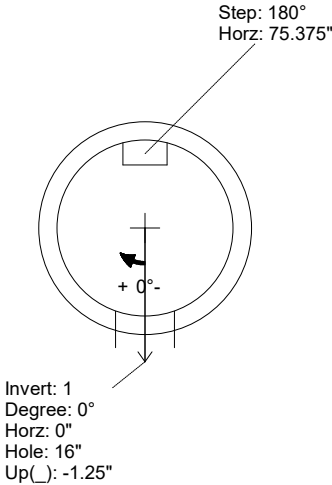


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2812 lb Volume (Net): 0.72cu.yd
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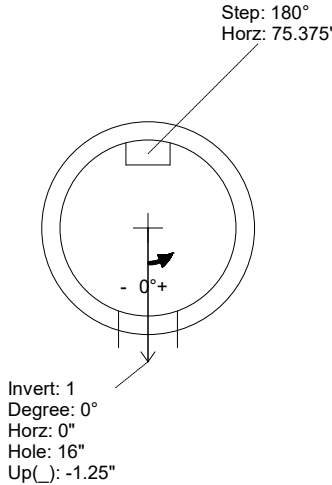
Job Name: 26-2090 - Monroe Co Area Tech Center Renovation Job Location: Tompkinsville, KY Contractor: Lindsey's Dirt Works LLC					Plant: 100 7/20/2026 6:19:37 PM		Tech: Jared - F PC: M. Sullivan			
Structure ID: 5 ST-MH										
P1 MH048BAVF		MH BASE Custom Ht F/n								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/F - 7" P1) 48" - MH BASE Custom Ht F/n - 28" 1) CASTING - HOE MC-375 F/C Storm 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 16 2) MH Step ML-10-TDS-NCR - 10"					0 lb 1286 lb 3115 lb 271 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4672 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.			
Rim: 862'		Rim to Invert: 3.54'		Slack: 0.48"		Sump: 0"		Step Position: 180°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	858.46'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 2	858.46'	268°	135.625"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimensions) INSIDE WALL DIMENSIONS										
		 								
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 28" Height (Ext): 34"		Weight (Net): 3115 lb Volume (Net): 0.8cu.yd	

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 6:19:37 PM		Tech: Jared - F PC: M. Sullivan				
Structure ID: 3 ST-MH											
P1 MH048BA42		MH BASE T/n									
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.			
Rim: 863.04' Rim to Invert: 7.69' Slack: 0.28" Sump: 0" Step Position: 180°						Structure Total: 8206 lb					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	855.35'	0°	0"	12" HP-PP	14.5"	Hole 16	16"	16.312"	-1.25"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

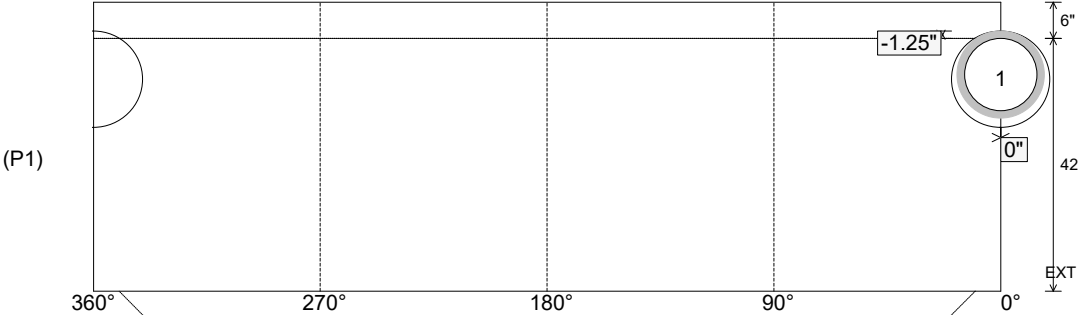
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 4179 lb Volume (Net): 1.07cu.yd
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Job Name: 25-2397 Sandy Springs Sec. 2
Job Location: Elizabethtown, KY 42701
Contractor: Dirt Works Unlimited, LLC.

Plant: 100

7/10/2026 2:51:50 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: F

P1 MH048BA36

MH BASE

- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 48" - MH FLAT TOP w/24"x36" Hole - 12"
P1) 48" - MH BASE - 36"
1) CASTING - HOE 525 SET (F/G/H)
1) 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 30
1) Hole - 32
3) MH Step ML-10-TDS-NCR - 10"

- 0 lb
1300 lb
3166 lb
442 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

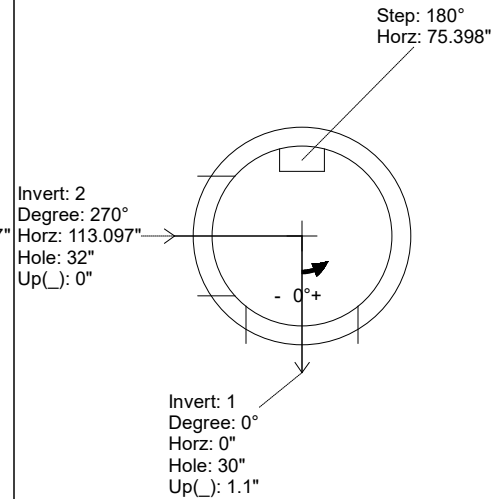
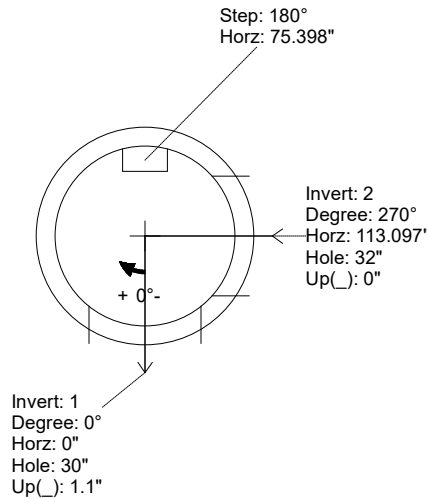
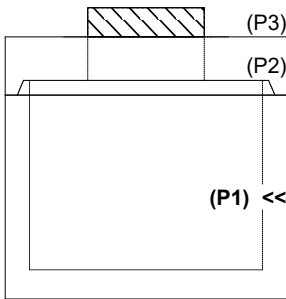
Structure Total: 4908 lb
- Structure Notes: PLAN LABEL: F**
1. HOE 525 SET (F/G/H) PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 692.1' Rim to Invert: 4.26' Slack: 0.12' Sump: 3' Step Position: 135°

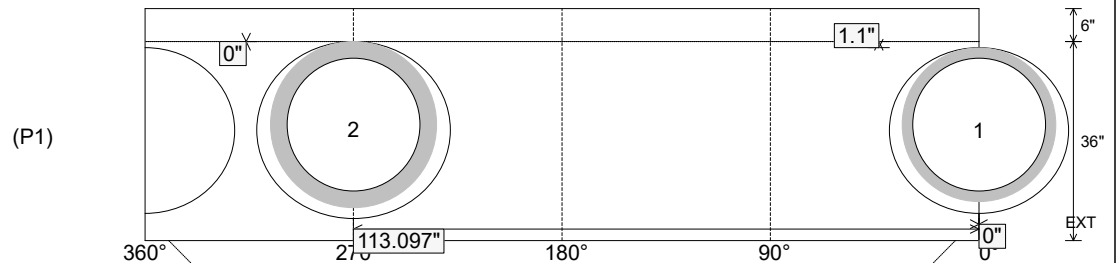
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	687.84'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	1.1"	0"
Invert 2	687.84'	270°	136.659"	24" RCP B WALL	30"	Hole 32	32"	35.027"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 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): 36"
Height (Ext): 42"

Weight (Net): 3166 lb
Volume (Net): 0.81cu.yd

Job Name: 25-2397 Sandy Springs Sec. 2
Job Location: Elizabethtown, KY 42701
Contractor: Dirt Works Unlimited, LLC.

Plant: 100

7/9/2026 2:51:26 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: B

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 48" - MH FLAT TOP w/24"x36" Hole - 7"
P1) 48" - MH BASE Custom Ht - 38"
1) CASTING - HOE 525 SET (F/G/H)
1) 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 30
1) Hole - 18
3) MH Step ML-10-TDS-NCR - 10"

- 0 lb
1044 lb
3244 lb
442 lb
0 lb
0 lb
0 lb
0 lb
0 lb

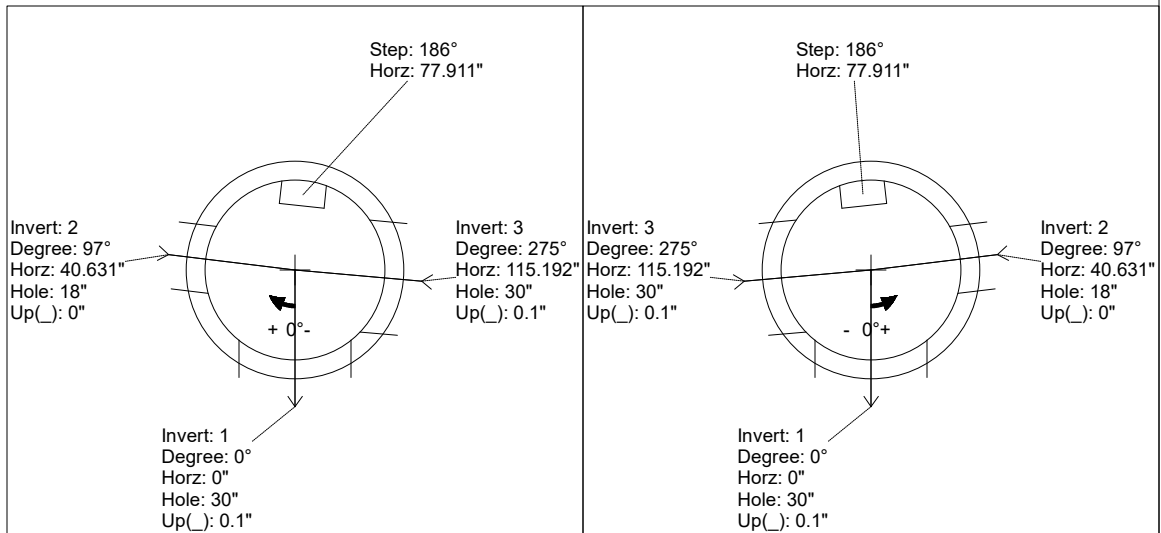
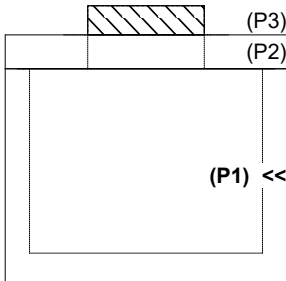
Structure Total: 4730 lb
- Structure Notes:**
PLAN LABEL: B
1. HOE 525 SET (F/G/H) PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 693.25' Rim to Invert: 4.1' Slack: 0.2" Sump: 2" Step Position: 186°

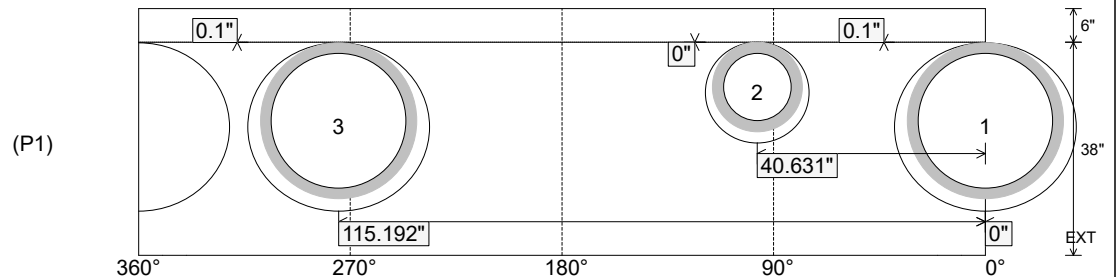
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	689.15'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0.1"	0"
Invert 2	689.15'	97°	49.096"	12" RCP B WALL	16"	Hole 18	18"	18.451"	0"	0"
Invert 3	689.15'	275°	139.19"	24" HDPE	27.8"	Hole 30	30"	32.406"	0.1"	0"
Invert 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): 38"
Height (Ext): 44"

Weight (Net): 3244 lb
Volume (Net): 0.83cu.yd

Job Name: 26-2119 512 W Kingston Ave MSD
Job Location: Louisville, KY
Contractor: TRC, LLC

Plant: Beaver Dam
7/16/2026 3:43:12 PM

Tech: S. Felletter
PC: T. Lewis



Structure ID: QL1 CB1

P2 MH048LD12S

MH FLAT TOP w/34"x34" Hole F/G

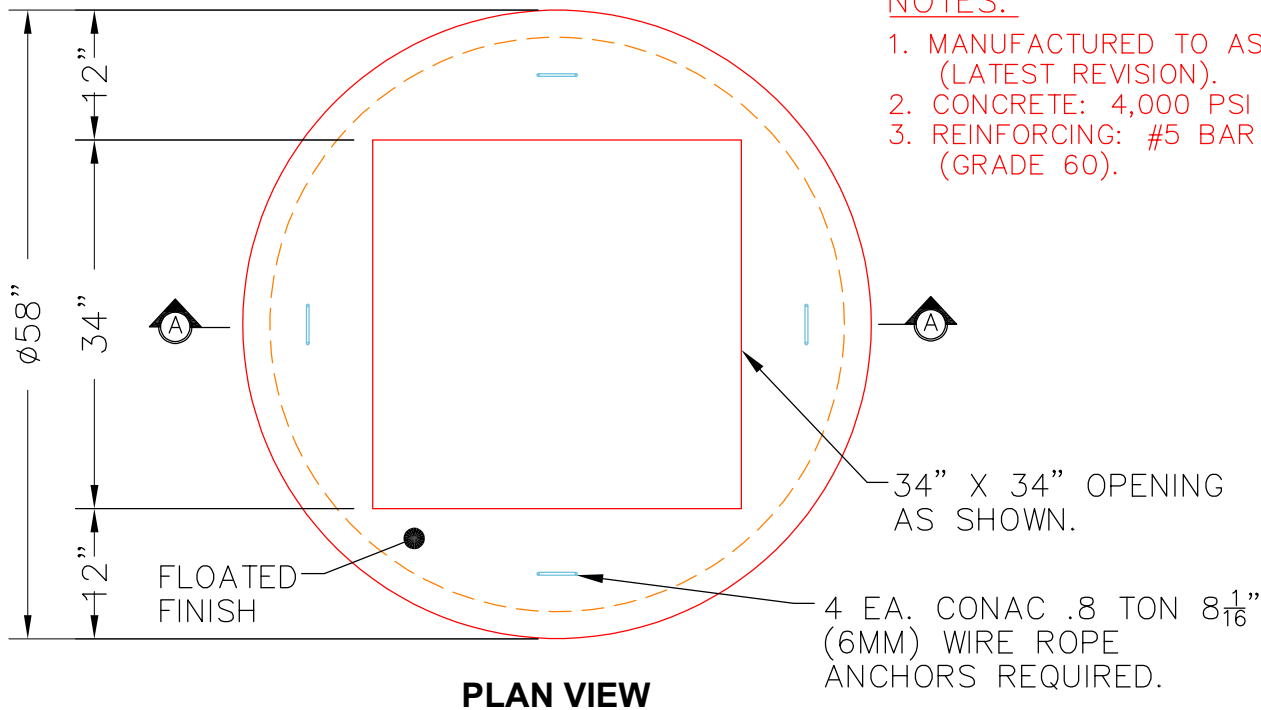
P3) 34" x 34" - CASTING HEIGHT - 3"
P2) 48" - MH FLAT TOP w/34"x34" Hole F/G - 12"
P1) 48" - KO MH 48"Dia X 36" Tall 3 Panel - STOCK T/n - 36"
1) CASTING - HOE 595 F/G
1) SNOUT - BMP SNOUT 18R w/ KIT
1) 48" - Conseal CS-102 1.00"

0 lb
1194 lb
2564 lb
376 lb
25 lb
0 lb

Structure Total: 4159 lb

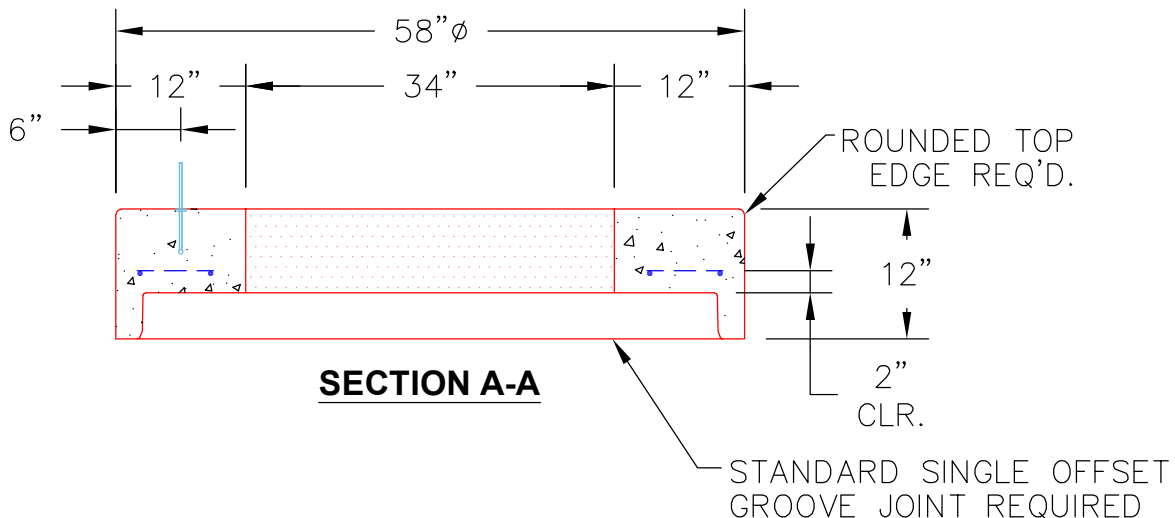
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 595 F/G).

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



NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1194 lb
Volume (Net): 0.3cu.yd

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



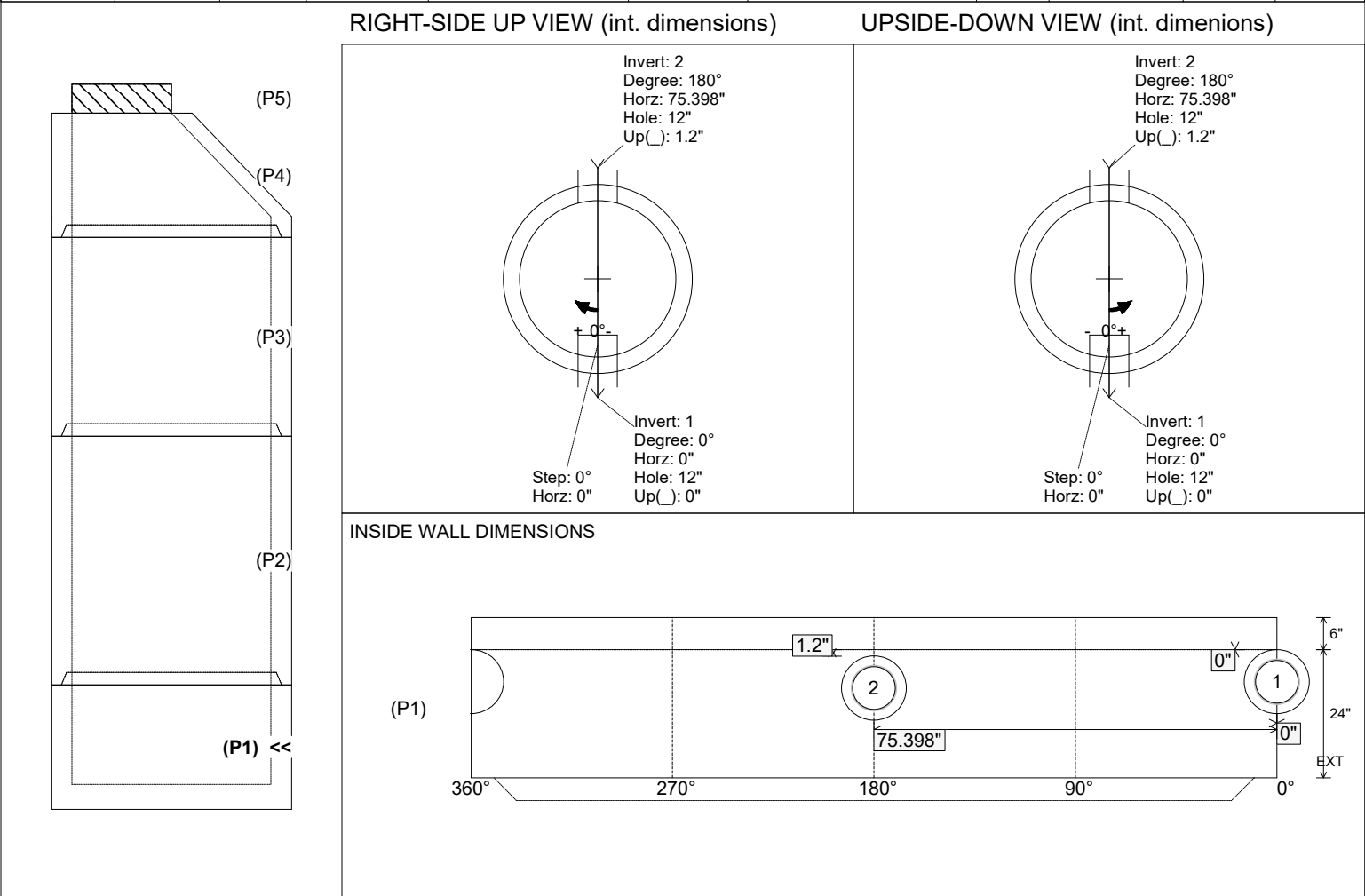
Structure ID: A11

P1 MH048BA24X

MH BASE w/XYPEX

P5) 24" - CASTING HEIGHT - 7"					0 lb	<u>Structure Notes:</u> 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST
P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 30"					1981 lb	
P3) 48" - MH RISER w/XYPEX - 48"					3353 lb	
P2) 48" - MH RISER w/XYPEX - 60"					4192 lb	
P1) 48" - MH BASE w/XYPEX - 24"					2911 lb	
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212					0 lb	
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)					0 lb	
1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT					1440 lb	
1) CASTING - JBS 1150 F/C SANITARY					250 lb	
3) 48" - Conseal CS-102 1.00" (Double)					0 lb	
1) 24" - Conseal CS-102 1.00" (Double)					0 lb	
2) PSX - 12-08 NYLO					16 lb	
14) MH Step ML-10-TDS-NCR - 10"					0 lb	
Structure Total:					14143 lb	
Rim: 726.26'	Rim to Invert: 14.14'	Slack: 2.68"	Sump: 2"	Step Position: 0°		

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	712.12'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	712.22'	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										



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: A11										
P1 MH048BA24X		MH BASE w/XYPEX								
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 30" P3) 48" - MH RISER w/XYPEX - 48" 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) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 14) MH Step ML-10-TDS-NCR - 10"					0 lb 1981 lb 3353 lb 4192 lb 2911 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 16 lb 0 lb ----- 14143 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: 14.14' Slack: 2.68" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	712.12'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	712.22'	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: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100		Tech: Jared - A			
					7/10/2026 8:12:58 AM		PC: Erica Bradley			
Structure ID: A8										
P1 MH048BA36X					MH BASE w/XYPEX					
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 42" P3) 48" - MH RISER w/XYPEX - 72" P2) 48" - MH RISER w/XYPEX - 72" P1) 48" - MH BASE w/XYPEX - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - JBS 1150 F/C SANITARY 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 19) MH Step ML-10-TDS-NCR - 10"					0 lb 3116 lb 5030 lb 5030 lb 3749 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 0 lb 16 lb 0 lb ----- Structure Total: 18631 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: 19.04' Slack: 1.48" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	707.22'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	707.32'	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)

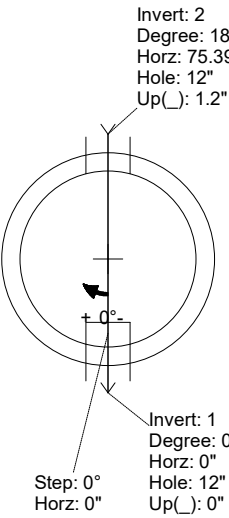
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

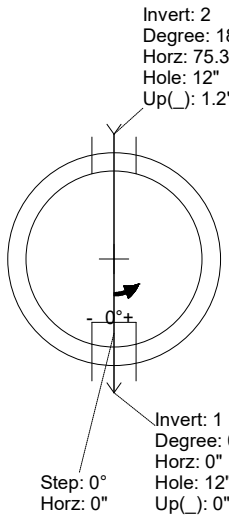
Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 36"	Weight (Net): 3749 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 42"	Volume (Net): 0.96cu.yd

Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100 7/10/2026 8:12:58 AM		Tech: Jared - A PC: Erica Bradley			
Structure ID: A8										
P1 MH048BA36X			MH BASE w/XYPEX							
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 42" P3) 48" - MH RISER w/XYPEX - 72" P2) 48" - MH RISER w/XYPEX - 72" P1) 48" - MH BASE w/XYPEX - 36" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - JBS 1150 F/C SANITARY 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 19) MH Step ML-10-TDS-NCR - 10"					0 lb 3116 lb 5030 lb 5030 lb 3749 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 0 lb 16 lb 0 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Structure Total: 18631 lb					INVERT CHANNEL DRAWING FULL HEIGHT INVERT					
Rim: 726.26' Rim to Invert: 19.04' Slack: 1.48" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	707.22'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	707.32'	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										

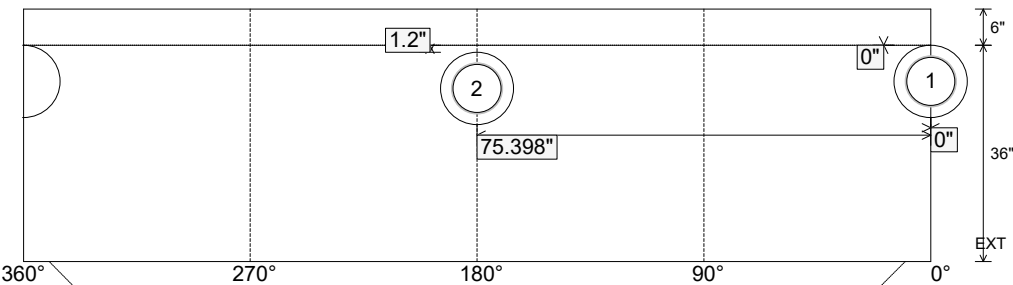
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



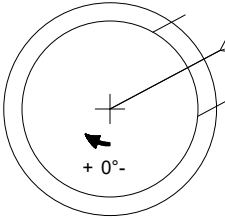
INSIDE WALL DIMENSIONS



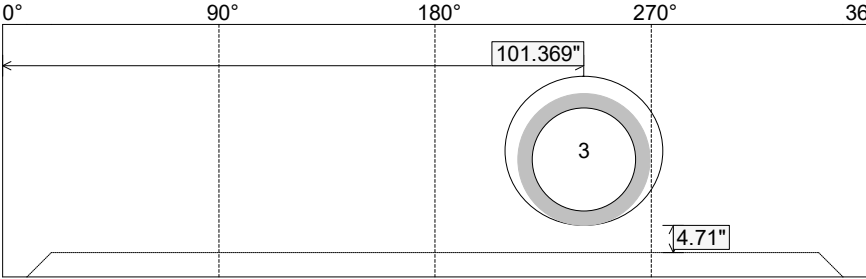
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3749 lb Volume (Net): 0.96cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:46:25 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R53											
P2 MH048RSVF		MH RISER Custom Ht F/G									
P3) 48" - MH FLAT TOP - TDOT D-RJB-1 (SOLID) F/F - 8" P2) 48" - MH RISER Custom Ht F/G - 44" P1) 48" - MH BASE Custom Ht T/n - 34" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 2) 48" - Conseal CS-102 1.00" 3) Hole - 26					1774 lb 2841 lb 3239 lb 1075 lb 0 lb 0 lb ----- Structure Total: 8928 lb		Structure Notes: 1. PER TDOT D-RJB-1 / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. REINFORCING PER ASTM A615 (GRADE 60). ** SEE TDOT STD DRAWING D-RJB-1 ** - TOP SLAB (As .42) #5 BARS AT 10" C.C.E.W. - WALLS (As .47) #5 BARS AT 8" C.C.E.W. - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.				
Rim: 568.97' Rim to Invert: 8.21' Slack: 15.02" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3	564.34'	242°	122.487"	18" RCP B WALL	23"	Hole 26	26"	27.476"	4.71"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 44" Height (Ext): 44"	Weight (Net): 2841 lb Volume (Net): 0.73cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1
Job Location: Murfreesboro, TN
Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:40:31 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R53

P3 MH048LD08SP

MH FLAT TOP - TDOT D-RJB-1 (SOLID) F/F

P3) 48" - MH FLAT TOP - TDOT D-RJB-1 (SOLID) F/F - 8"
P2) 48" - MH RISER Custom Ht F/G - 44"
P1) 48" - MH BASE Custom Ht T/n - 34"
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT
2) 48" - Conseal CS-102 1.00"
3) Hole - 26

Structure Total:

1774 lb
2841 lb
3239 lb
1075 lb
0 lb
0 lb

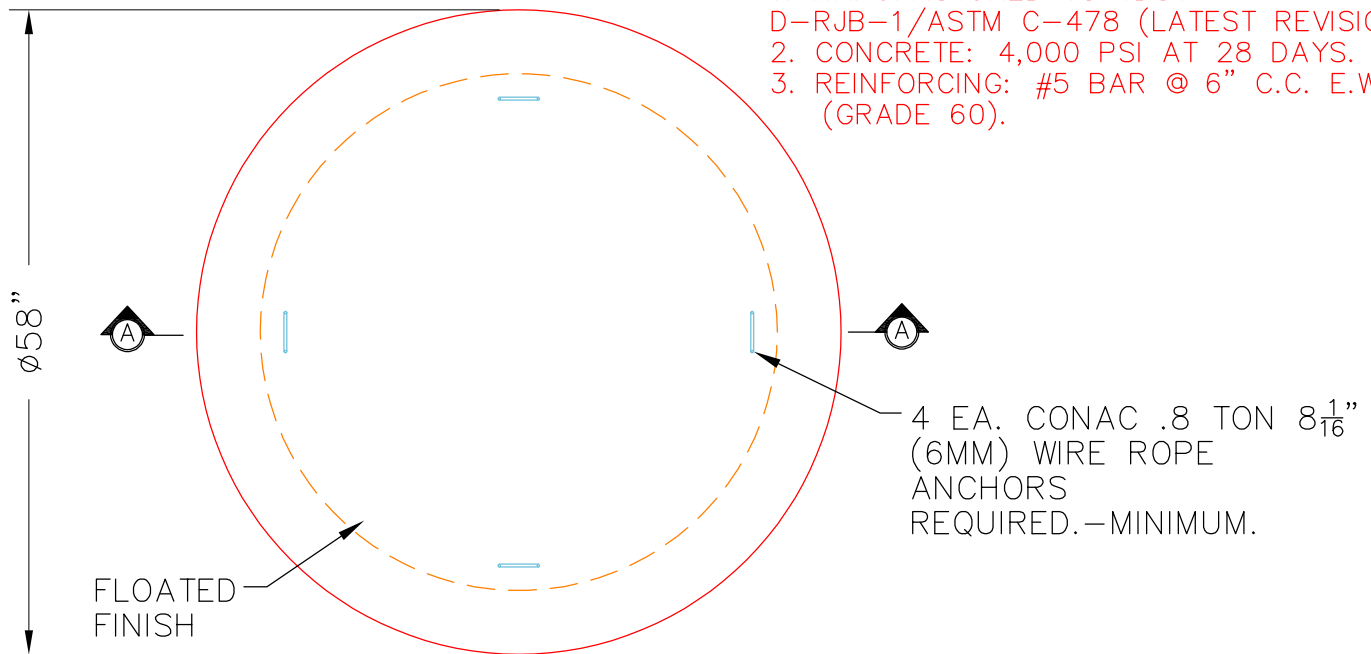
8928 lb

Structure Notes:

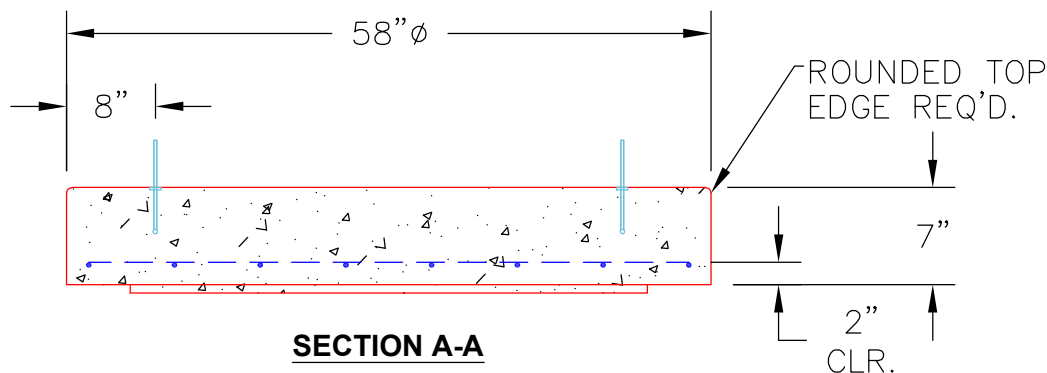
1. PER TDOT D-RJB-1 / ASTM C913 SPEC'S.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
- REINFORCING PER ASTM A615 (GRADE 60).
** SEE TDOT STD DRAWING D-RJB-1 **
- TOP SLAB (As .42) #5 BARS AT 10" C.C.E.W.
 - WALLS (As .47) #5 BARS AT 8" C.C.E.W.
 - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

NOTES:

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



PLAN VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

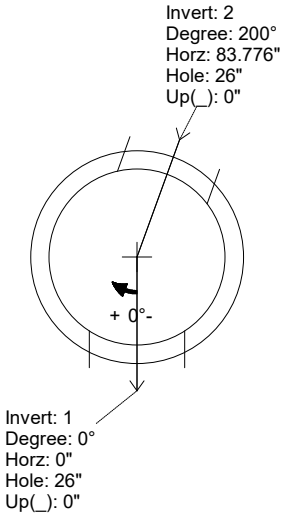
Seam Up: Flat
Seam Dn: Flat

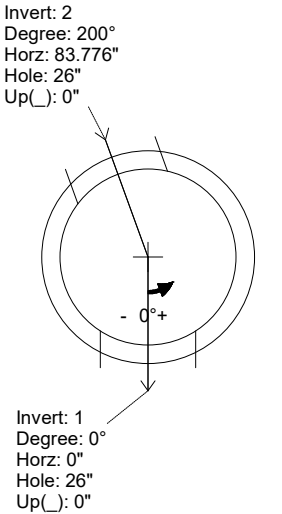
Wall Thickness: 5"

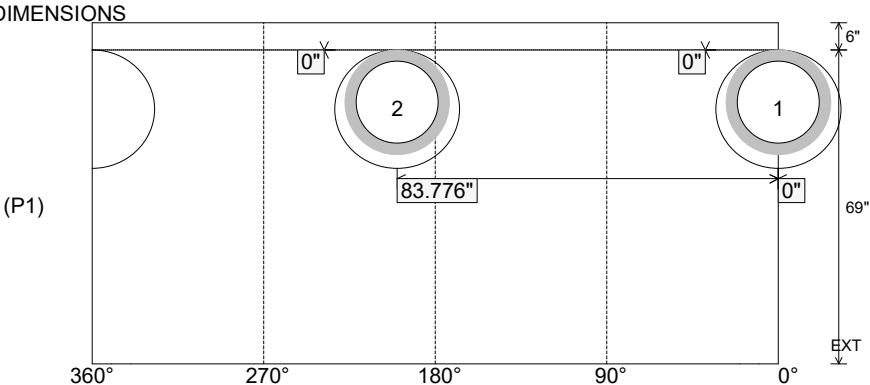
Height (Ext): 8"

Weight (Net): 1774 lb
Volume (Net): 0.45cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:26 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R51											
P1		MH048BAVF		MH BASE Custom Ht F/n							
P3) 20" x 34" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP - TDOT NO 10 (20"x34" Hole) F/F - 10" P1) 48" - MH BASE Custom Ht F/n - 69" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3123 MODIFIED SET 1) 48" - SGL 1"x14.5' Butyl (2x) 2) Hole - 26					0 lb 1646 lb 5684 lb 1075 lb 250 lb 0 lb 0 lb ----- Structure Total: 8655 lb		Structure Notes: . 1. PER TDOT D-CB-10RA / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (JBS-3123 MOD SET). REINFORCING PER ASTM A615 (GRADE 60). ** PER TDOT STD DRAWING D-CB-10RA ** - TOP SLAB - DBL MAT #5 BARS. - RISER (As .24) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.				
Rim: 568.01' Rim to Invert: 6.96' Slack: 0.02" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	561.05'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	561.05'	200°	101.229"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



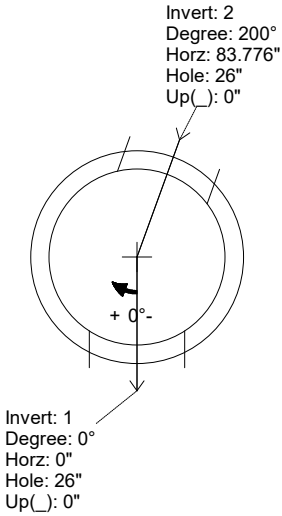




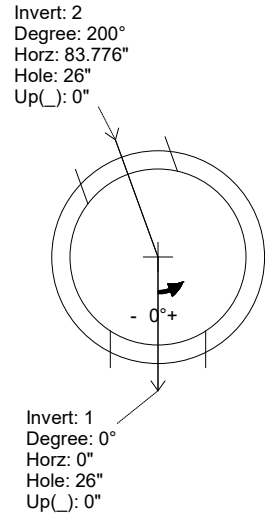
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 69" Height (Ext): 75"	Weight (Net): 5684 lb Volume (Net): 1.45cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:26 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R51											
P1 MH048BAVF		MH BASE Custom Ht F/n									
P3) 20" x 34" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP - TDOT NO 10 (20"x34" Hole) F/F - 10" P1) 48" - MH BASE Custom Ht F/n - 69" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3123 MODIFIED SET 1) 48" - SGL 1"x14.5' Butyl (2x) 2) Hole - 26					0 lb 1646 lb 5684 lb 1075 lb 250 lb 0 lb 0 lb ----- Structure Total: 8655 lb		Structure Notes: . 1. PER TDOT D-CB-10RA / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (JBS-3123 MOD SET). REINFORCING PER ASTM A615 (GRADE 60). ** PER TDOT STD DRAWING D-CB-10RA ** - TOP SLAB - DBL MAT #5 BARS. - RISER (As .24) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.				
Rim: 568.01' Rim to Invert: 6.96' Slack: 0.02" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	561.05'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	561.05'	200°	101.229"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

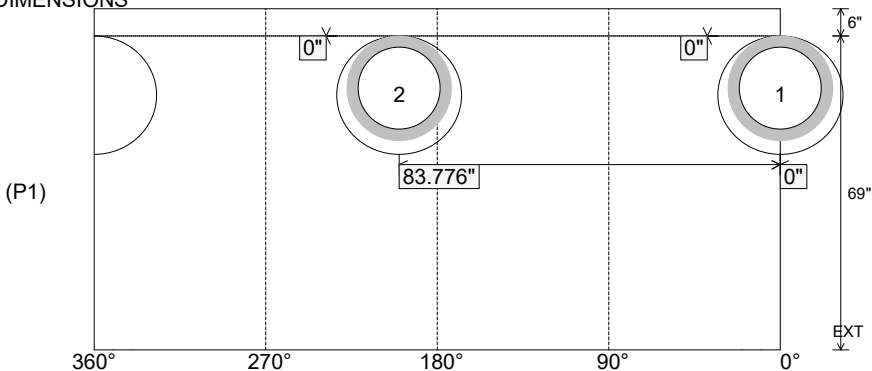
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 69" Height (Ext): 75"	Weight (Net): 5684 lb Volume (Net): 1.45cu.yd
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Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/12/2026 3:10:16 PM		Tech: J. Horsley - A PC: J. Jarvis			
Structure ID: 139										
P1 MH048BAVF			MH BASE Custom Ht T/n							
P3) 24" - CASTING HEIGHT - 4" P2) 48" - MH FLAT LID w/24in ECC Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 59" 1) 48" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 2) Hole - 20 1) Hole - 16 5) MH Step ML-10-TDS-NCR - 10"					0 lb 1561 lb 5096 lb 0 lb 0 lb 0 lb 0 lb 0 lb 6657 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC MANHOLE TYPE A / ASTM C-478 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STORM INVERT 5. STEPS AT 70 DEGREES 6. HOE KY-206 FRAME & COVER "STORM" SUPPLIED BY OTHERS			
Rim: 566.75' Rim to Invert: 6.05' Slack: 0.1" Sump: 2.5" Step Position: 70°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	560.7'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"
Invert 2	560.7'	139°	70.375"	12" PVC SDR35	12.5"	Hole 16	16"	16.312"	0.5"	0"
Invert 3	560.7'	227°	114.875"	15" HDPE	17.6"	Hole 20	20"	20.629"	0"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 59" Height (Ext): 65"	Weight (Net): 5096 lb Volume (Net): 1.3cu.yd
----------------------------------	---------------------------------	--	--	---

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

Plant: 100

7/20/2026 8:30:29 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: MH-3

P2 MH060LD13

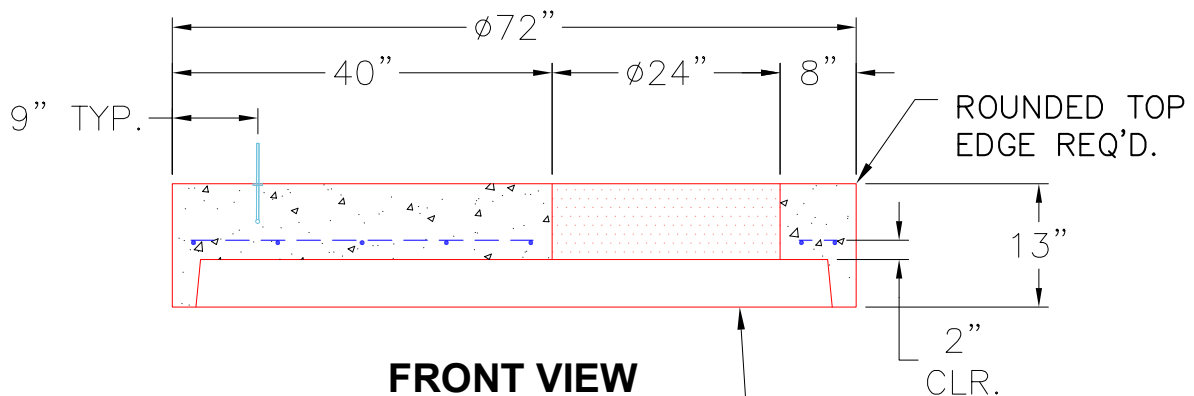
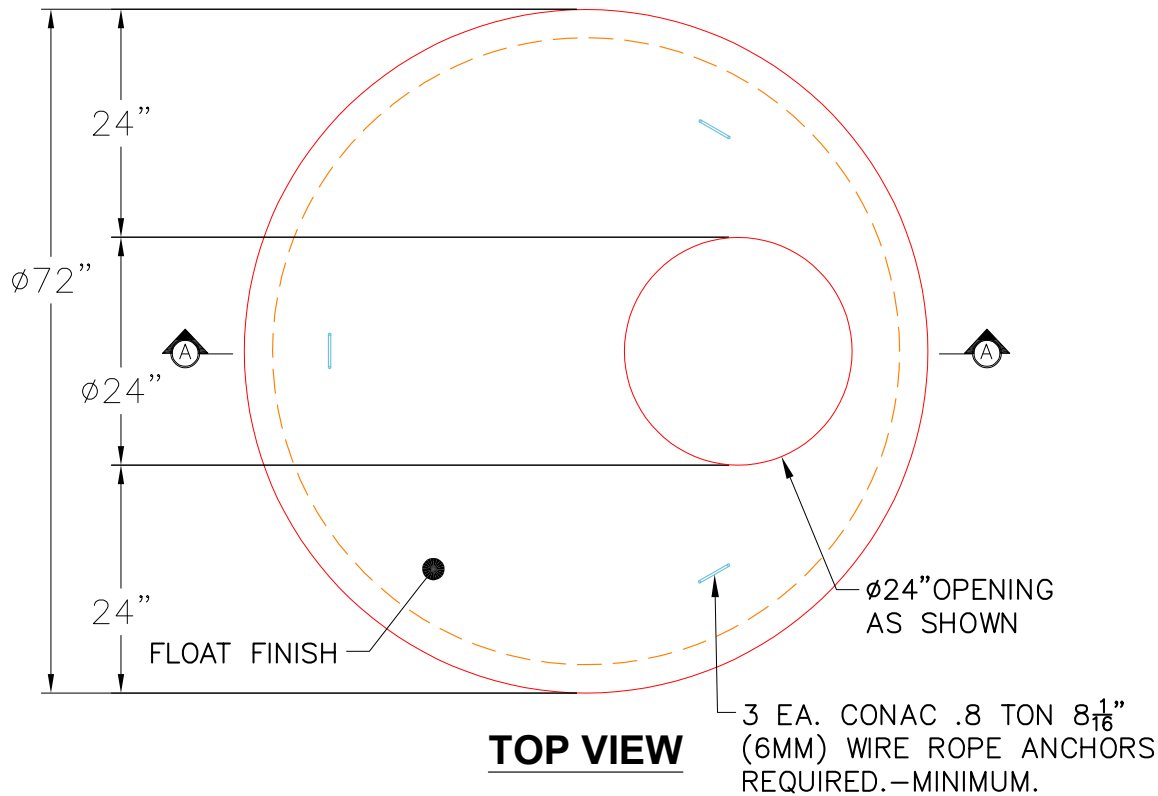
MH FLAT TOP w/ 24" ECC Hole

- P3) 24" - CASTING HEIGHT - 5"
P2) 60" - MH FLAT TOP w/ 24" ECC Hole - 13"
P1) 60" - MH BASE Custom Ht - 70"
1) 60" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
1) Hole - 48
1) Hole - 34
1) Hole - 40
6) MH Step ML-10-TDS-NCR - 10"

Structure Total:

0 lb
2869 lb
7850 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
10719 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: #4 BAR @ 6" O.C. E.W. (GRADE 60).

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

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

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

Plant: 100

7/20/2026 8:29:44 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: MH-3

P1 MH060BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 5"
P2) 60" - MH FLAT TOP w/ 24" ECC Hole - 13"
P1) 60" - MH BASE Custom Ht - 70"
1) 60" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
1) Hole - 48
1) Hole - 34
1) Hole - 40
6) MH Step ML-10-TDS-NCR - 10"

0 lb
2869 lb
7850 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 10719 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.

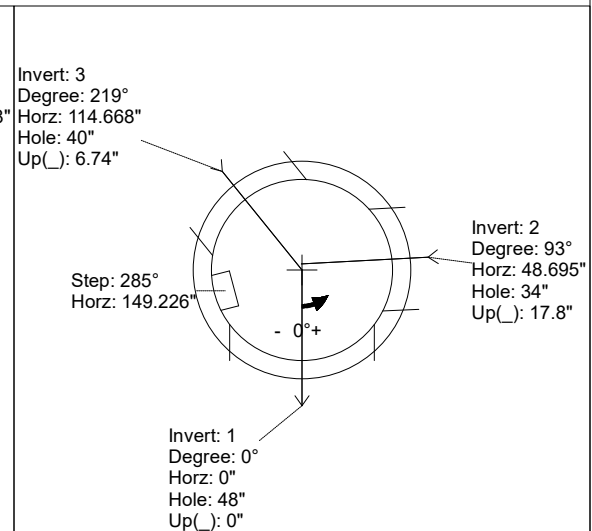
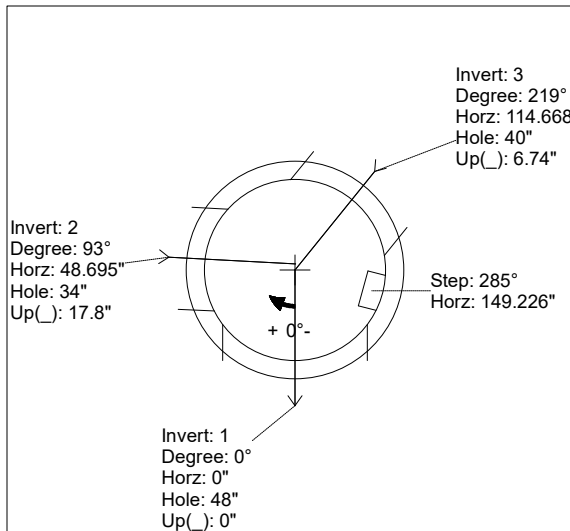
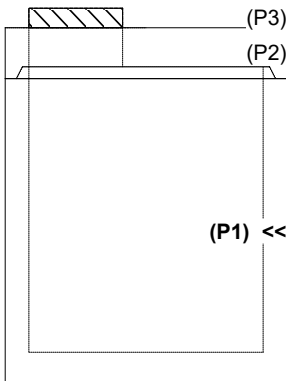
Structure Total:

Rim: 1076' Rim to Invert: 7.01' Slack: 0.12' Sump: 4" Step Position: 285°

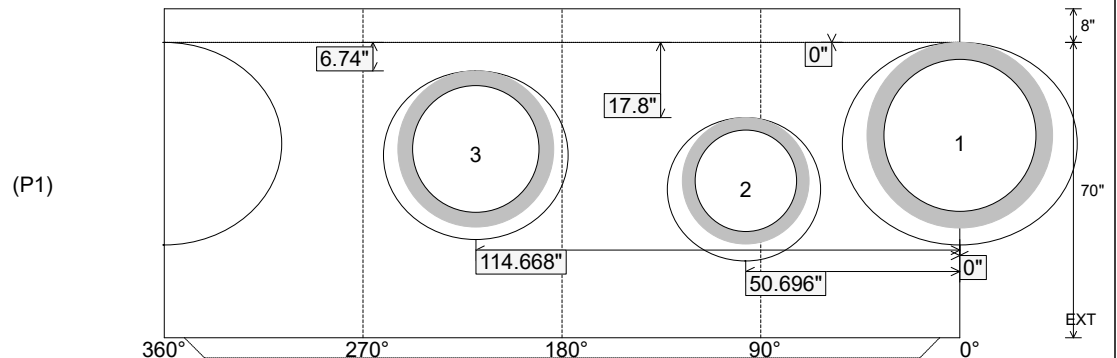
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1068.99'	0°	0"	36" RCP B WALL	44"	Hole 48	48"	55.638"	0"	0"
Invert 2	1070.39'	93°	60.435"	24" RCP B WALL	30"	Hole 34	34"	36.284"	17.8"	2"
Invert 3	1069.51'	219°	137.602"	30" RCP B WALL	37"	Hole 40	40"	43.784"	6.74"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

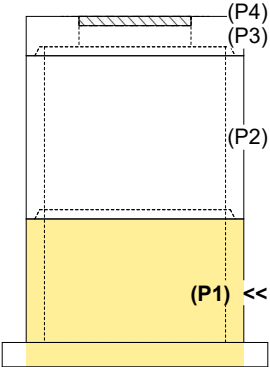
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 70"
Height (Ext): 78"

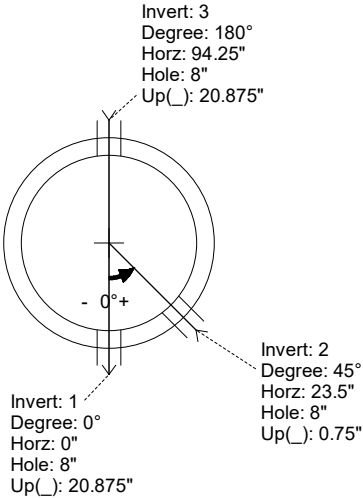
Weight (Net): 7850 lb
Volume (Net): 2cu.yd

Job Name: 26-1394 - TMMI Ryder Lift Station Job Location: Princeton, IN Contractor: Koberstein Contracting, Inc.					Plant: 100 7/16/2026 2:28:14 PM		Tech: Jared - A PC: A. Chambers						
Structure ID: 5 MV (2)													
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 T/G - 54" P1) 60" - MH BASE w/FLANGE (08F/08EF) T/n - 41" 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 5637 lb 8287 lb 0 lb 0 lb 0 lb 0 lb 0 lb 20 lb ----- 16249 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					
Structure Total:													
FIRST POUR (BASE): 6,937 LBS SECOND POUR (8" EXT. FLANGE): 1,350 LBS													
Rim: 464.81' Rim to Invert: 8.76' Slack: 0.48" Sump: 3.36" Step Position:													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset			
Invert 1	457.68'	0°	0"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	20.875"	0"			
Invert 2	456.05'	45°	28.25"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8.024"	0.75"	0"			
Invert 3	457.68'	180°	113.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	20.875"	0"			
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													



RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

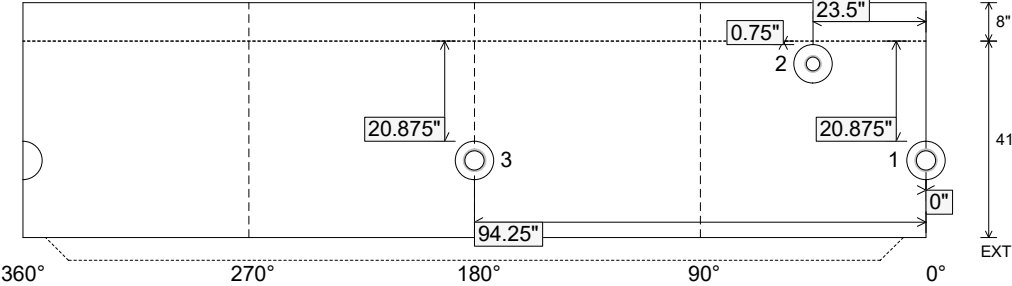


Invert: 3
Degree: 180°
Horz: 94.25"
Hole: 8"
Up(_): 20.875"

Invert: 2
Degree: 45°
Horz: 23.5"
Hole: 8"
Up(_): 0.75"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 8"
Up(_): 20.875"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

20.875" 20.875" 0.75" 23.5" 8" 41" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 41" Height (Ext): 49"	Weight (Net): 8287 lb Volume (Net): 2.12cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1394 - TMMI Ryder Lift Station

Job Location: Princeton, IN

Contractor: Koberstein Contracting, Inc.

Plant: 100

7/16/2026 2:28:14 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: 5 MV (2)

P1MH060BAEVF

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 T/G - 54"

P1) 60" - MH BASE w/FLANGE (08F/08EF) T/n - 41"

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

5637 lb

8287 lb

0 lb

0 lb

0 lb

0 lb

0 lb

20 lb

Structure Total: 16249 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):6,937 LBS

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

Rim: 464.81'

Rim to Invert: 8.76'

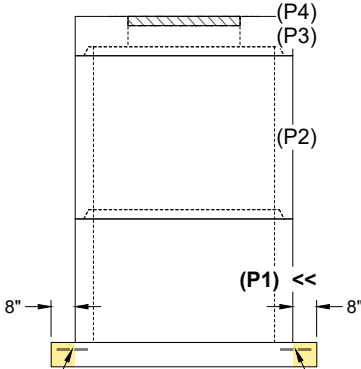
Slack: 0.48"

Sump: 3.36"

Step Position:

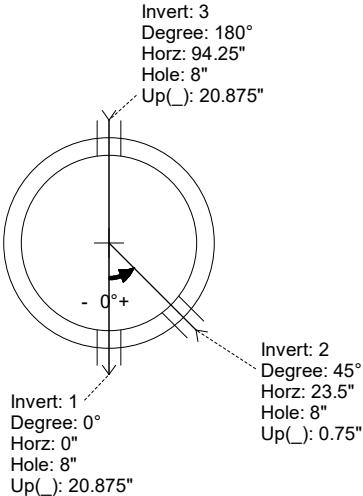
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	457.68'	0°	0"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	20.875"	0"
Invert 2	456.05'	45°	28.25"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8.024"	0.75"	0"
Invert 3	457.68'	180°	113.125"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8.024"	20.875"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

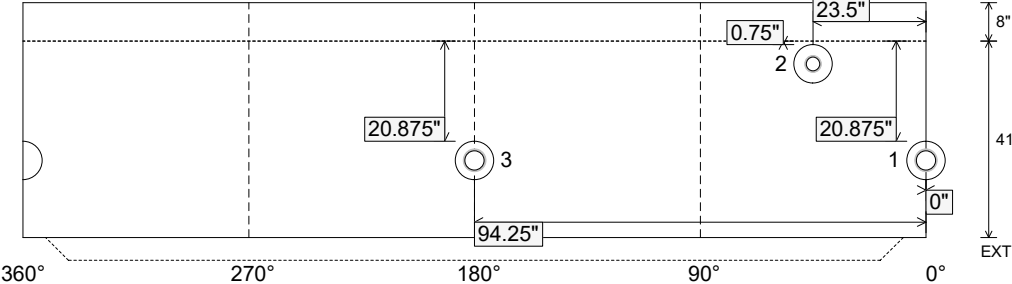


DRILL & DOWEL #5 BAR @ 8" C.C. E.W. (GRADE 60) FOR FLANGE POUR TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR & 2" MIN. REBAR CLEARANCE FROM TOP OF FLOOR (TYP)

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): 41"

Height (Ext): 49"

Weight (Net): 8287 lb

Volume (Net): 2.12cu.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 9:09:11 AM

Tech: S. Felletter
PC: T. Ryan



Structure ID: S110

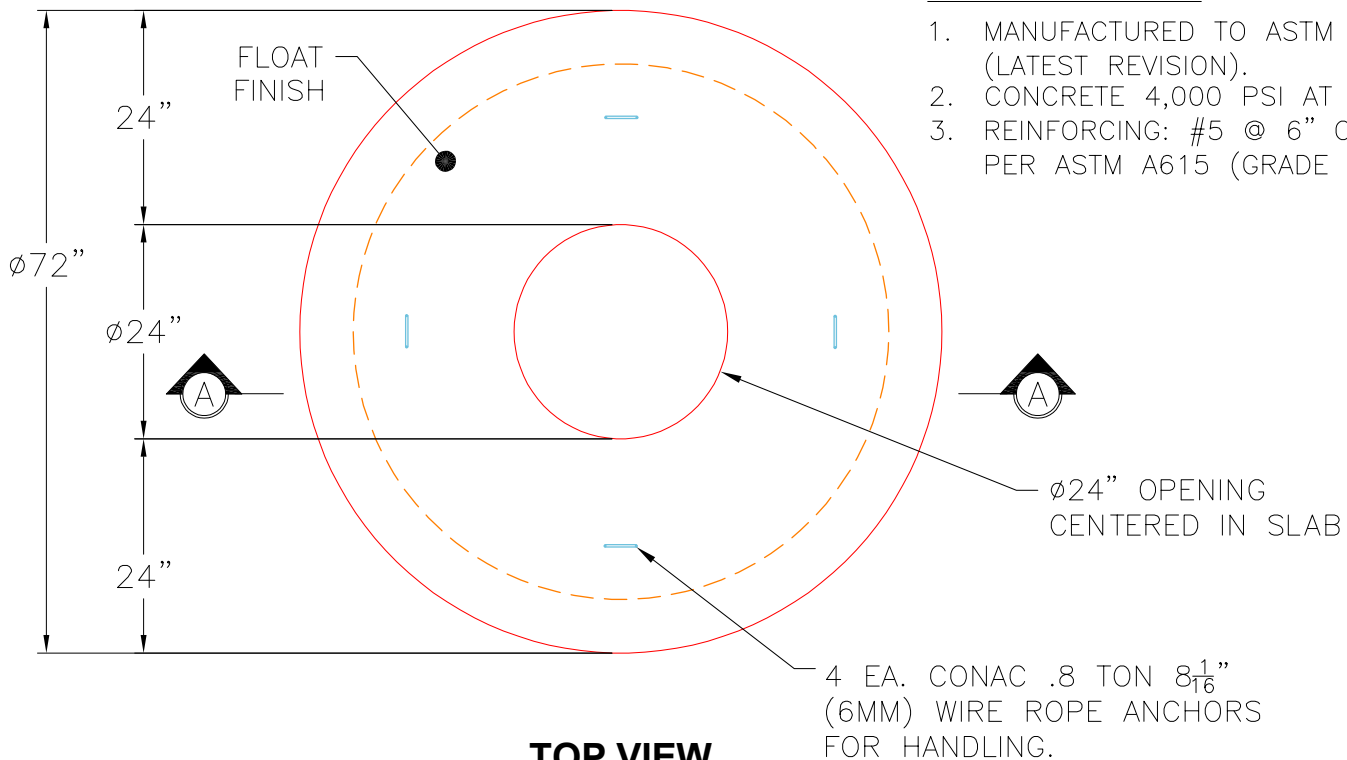
P5 MH060LD13CC

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

- P6) 24" - CASTING HEIGHT - 7"
P5) 60" - MH FLAT TOP w/24" Ctr. Hole F/G - 13"
P4) 60" - MH RISER T/G - 24"
P3) 60" - MH RISER T/G - 72"
P2) 60" - MH RISER T/G - 72"
P1) 60" - MH BASE T/n - 24"
1) ASSEMBLY REQUIRED
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) CASTING - HOE MC-375 F/C Storm
4) 60" - Con seal CS-102 1.00" (Double)
1) 24" - Con seal CS-102 1.00" (Double)
2) Hole - 12

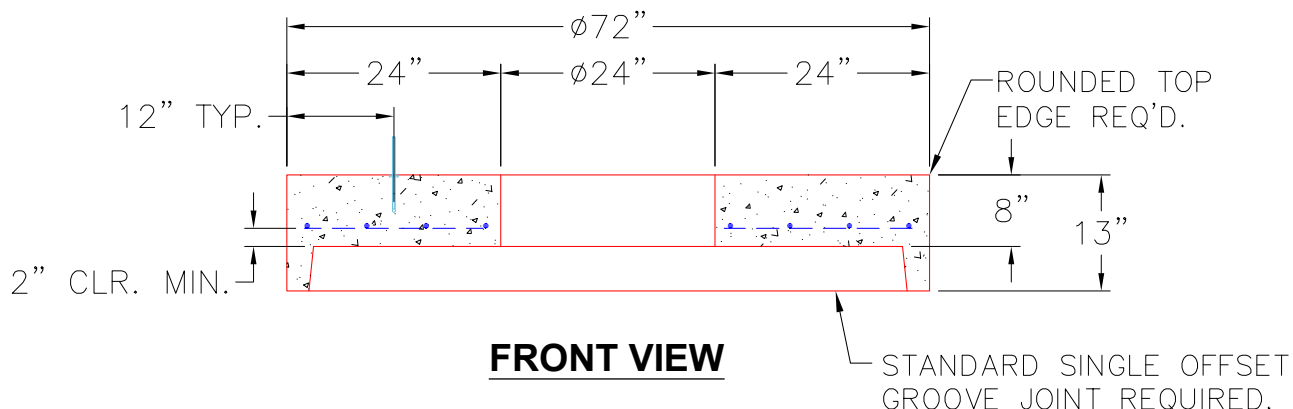
0 lb
2674 lb
2505 lb
7516 lb
7402 lb
5239 lb
0 lb
0 lb
0 lb
271 lb
0 lb
0 lb
0 lb
Structure Total: 25607 lb

Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-375 F/C "STORM").
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 6" C.C. E.W. PER ASTM A615 (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
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Weight (Net): 8840 lb
Volume (Net): 2.26cu.yd

Job Name: 25-2397 Sandy Springs Sec. 2
Job Location: Elizabethtown, KY 42701
Contractor: Dirt Works Unlimited, LLC.

Plant: 100

7/9/2026 2:52:14 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: O

P2 MH072LD08S

MH FLAT TOP SPEC. HT. (8") w/24" ECC Hole

- P3) 24" - CASTING HEIGHT - 4"
P2) 72" - MH FLAT TOP SPEC. HT. (8") w/24" ECC Hole - 8"
P1) 72" - MH BASE - 54"
1) CASTING - HOE MC-285 F/C Storm
1) 72" - Conseal CS-102 1.00"
2) Hole - 50
1) Hole - 30
4) MH Step ML-10-TDS-NCR - 10"

0 lb
3596 lb
8840 lb
284 lb
0 lb
0 lb
0 lb
0 lb

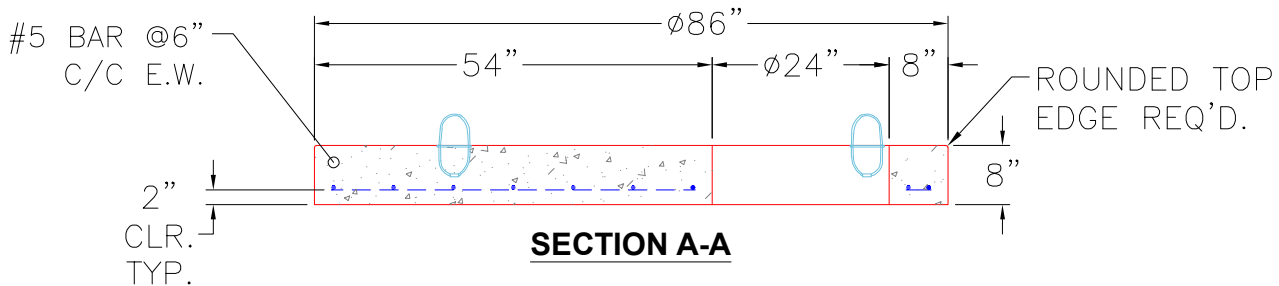
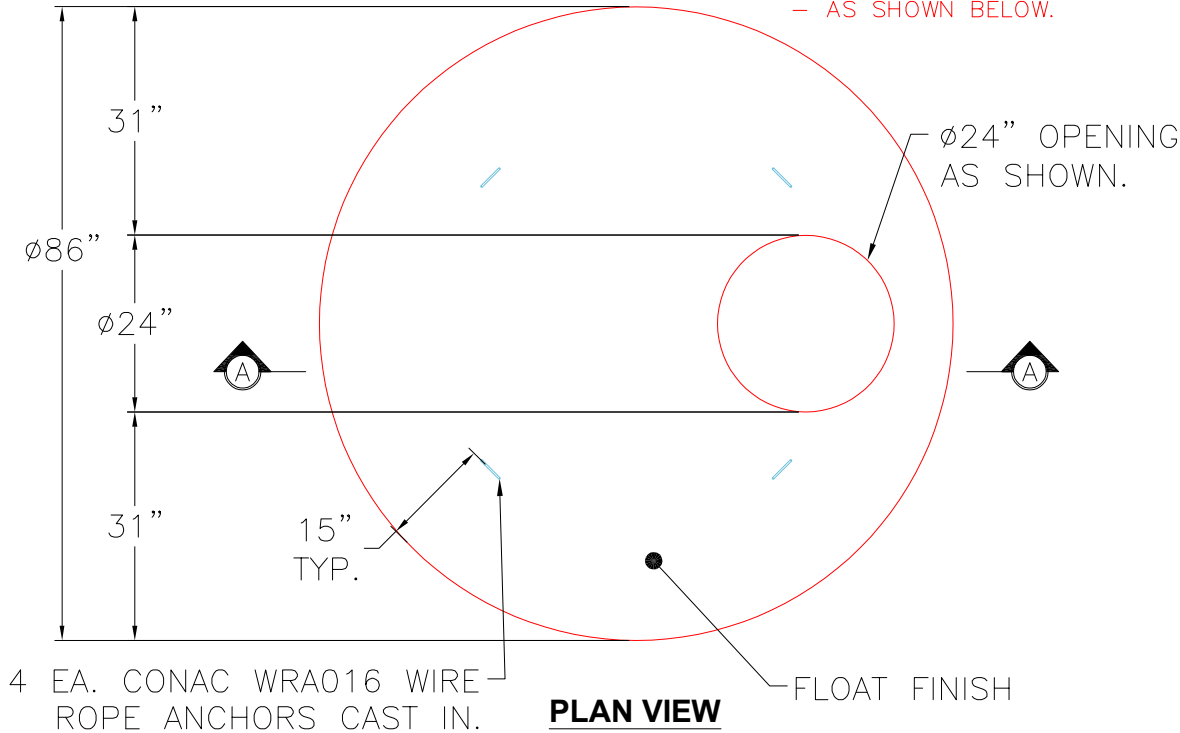
12719 lb

Structure Notes:
PLAN LABEL: O
1. HOE MC-285 F/C "STORM" PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Structure Total:

NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: PER ASTM A615 (GRADE 60)
- AS SHOWN BELOW.



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 7"

Height (Ext): 8"

Weight (Net): 3596 lb
Volume (Net): 0.92cu.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: 3

P4 MH096RS24

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. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AT 0°, 90°, 180°, & 270°, MIN. 10" FROM TOP OF WALLS

Rim: 464.5'

Rim to Invert: 10'

Slack: 0"

Sump: 113"

Step Position:

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

(P6)

(P5)

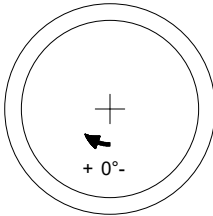
(P4) <<

(P3)

(P2)

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P4)

0°

90°

180°

270°

360°

EXT

24"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 9"

Floor Height: 0"

Height (Int): 24"

Height (Ext): 24"

Weight (Net): 5979 lb

Volume (Net): 1.53cu.yd

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

Plant: 100
7/6/2026 1:23:21 PM

Tech: Jared - A
PC: E. Bradley

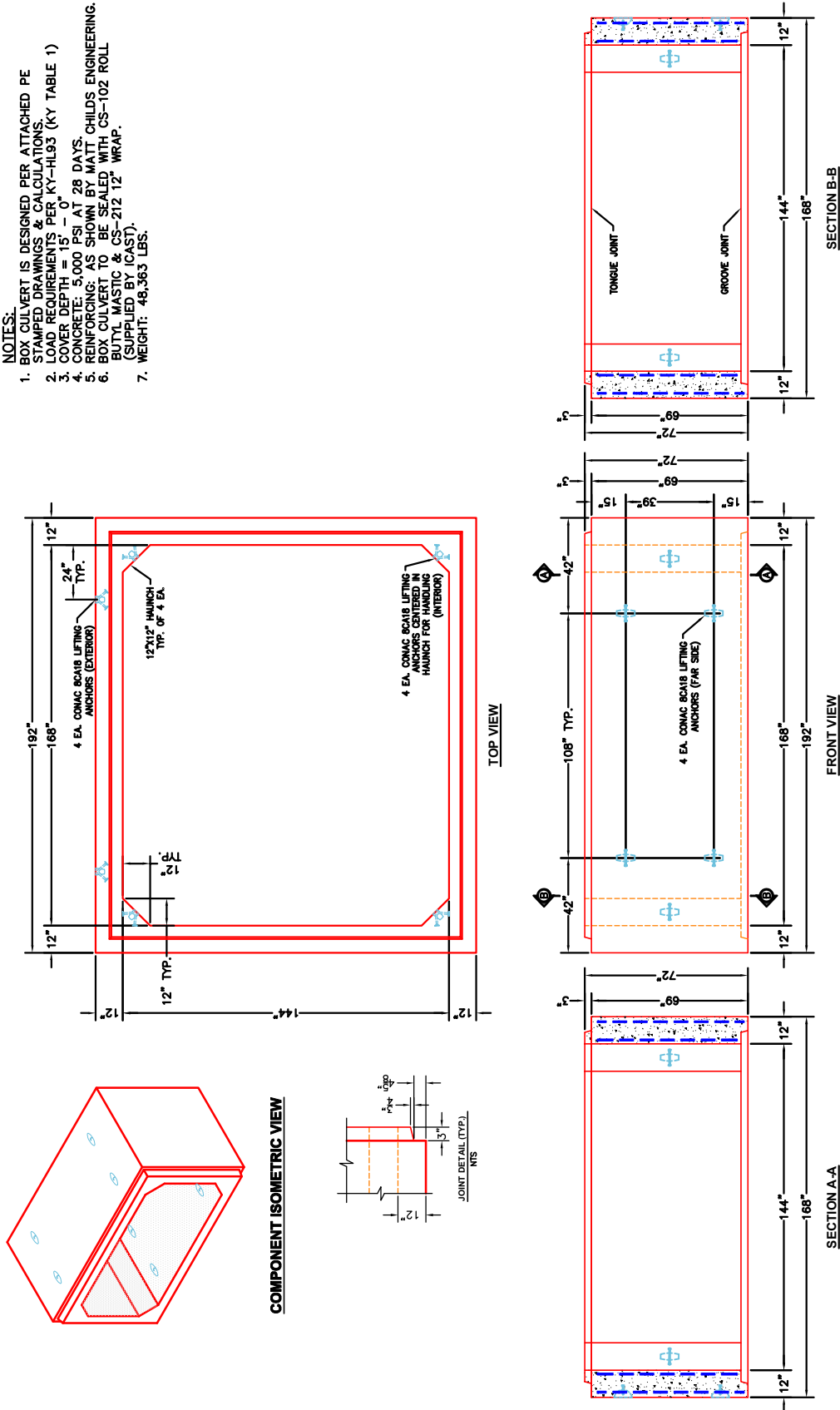


Structure ID: Box Culvert

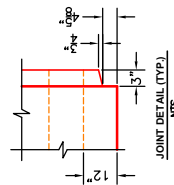
P19 BC168144-12W12T12F-12H

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.



COMPONENT ISOMETRIC VIEW



Coating (Int):
Coating (Ext):

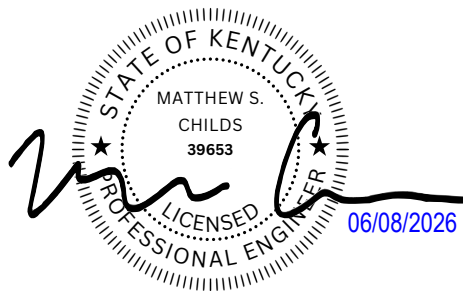
Seam Up: Tongue
Seam Dn: Groove

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

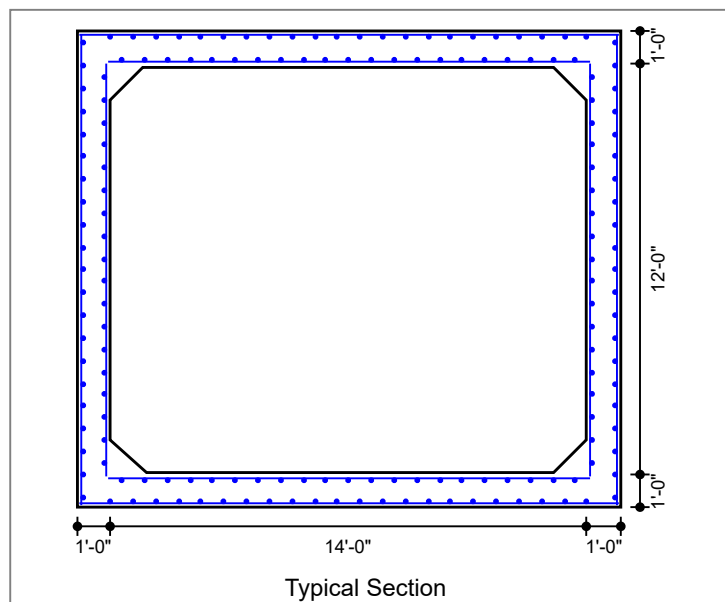
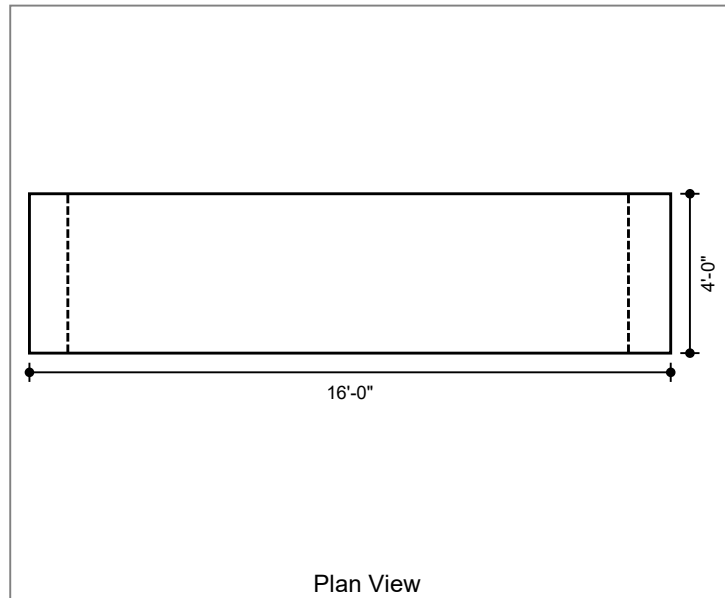
Inventory Rating: 5.85
Operating Rating: 7.59

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 7:52:51 AM

Tech: J. Horsley

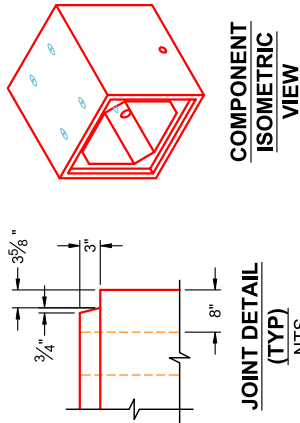
PC: C. Goff



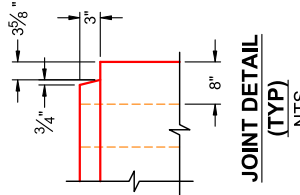
Structure ID: St. 45+00 (PC 14)

P1 BC048048-08WLF-9H

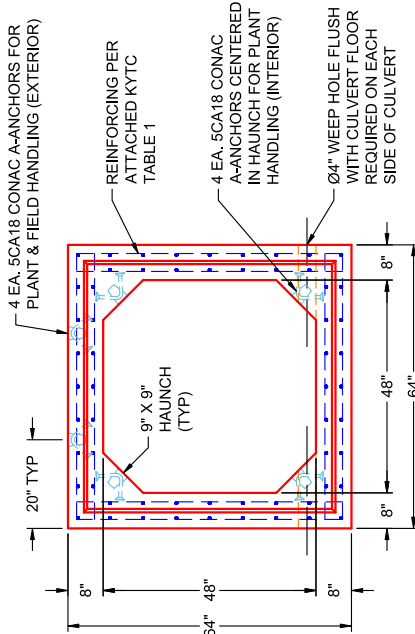
BOX CULVERT (08W/08F/08T) G/T



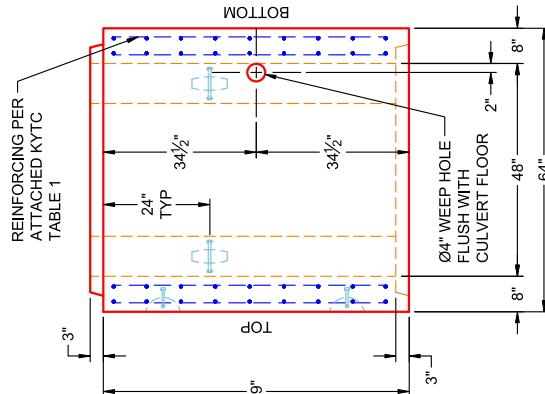
COMPONENT
ISOMETRIC
VIEW



JOINT DETAIL
(TYP)
NTS

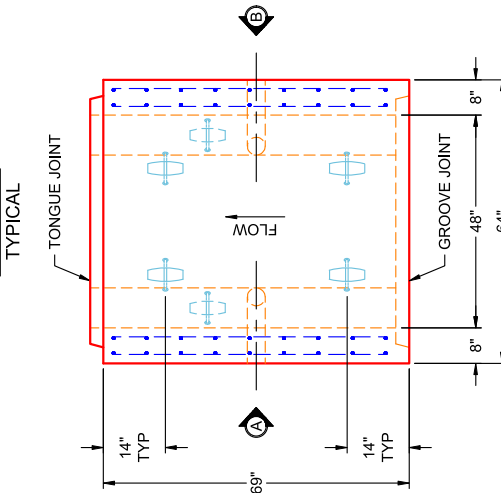


END VIEW
TYPICAL



VIEW B
PC 14

(UPRIGHT IN MOLD)



PLAN VIEW
PC 14

(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 14)

ORDER NO: 24-1643B

PE: J.H. ROSS

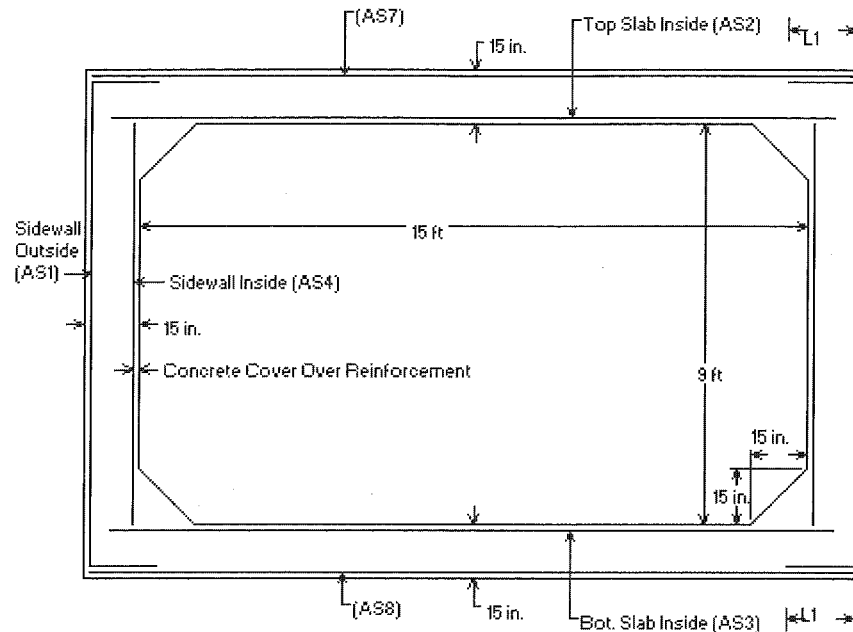
DRAWING: K. CARDWELL

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"

User Specified (Not by Code)	
Length	Width

Interstate Tandem Truck Wheel Layout

14 ft
 5 ft
 $0.5A$
 4 ft

A = Axle Load

By Code	lb/ft

Vehicle Loads

Vertical

Top of Culvert (LLTC) Bottom of Culvert (LLBC)

By Code	lb/ft

[Return to Main Menu](#)

Job Name: 26-2884 - Toyota Boshoku Parking Lot
Job Location: Lebanon, KY 40033
Contractor: McCain Bros Excavating LLC

Plant: 100

7/21/2026 11:12:56 AM

Tech: Jared - F
PC: M. Sullivan



Structure ID: KY-S-7 MHA

P1 BX2424-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 24" x 24" - CB FLAT TOP 8"W SOLID - 8"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 21"

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

1) DOGHOUSE INVRTD - 24"x22"

1) DOGHOUSE INVRTD - 20"x21"

1) Hole - 12

1074 lb

2295 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 3369 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. SOLID TOP SLAB - NO CASTING.

REINFORCING PER ASTM A615 (GRADE 60).

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

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

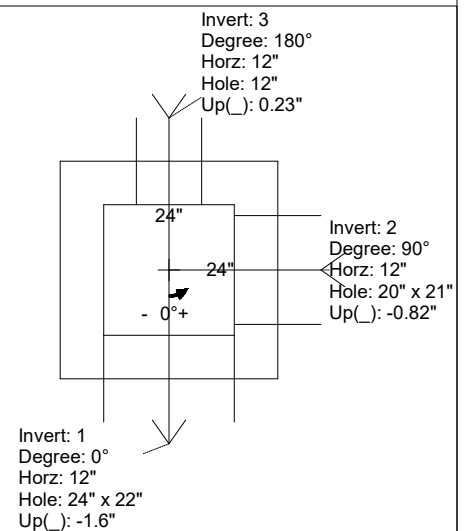
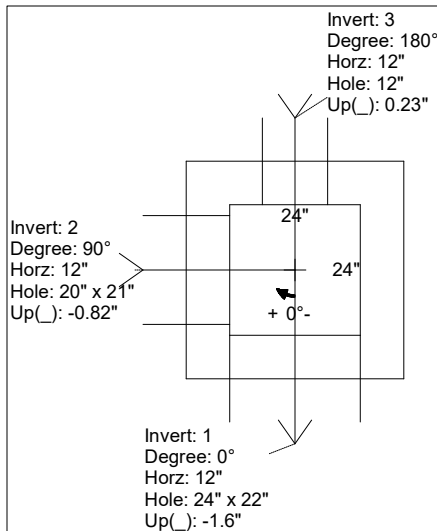
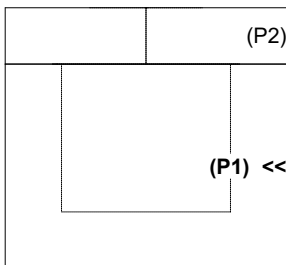
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 803.12' Rim to Invert: 2.14' Slack: -3.32' Sump: 0" Step Position:

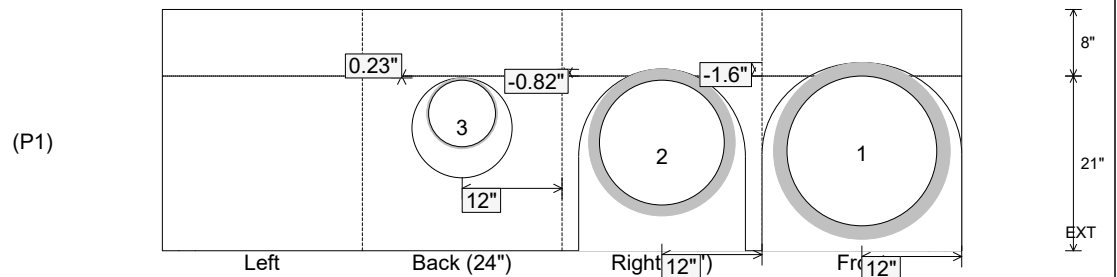
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	800.98'	0°	20"	18" HDPE	21.2"	DOGHOUSE INVRTD 24"x22"	24" x 22"	24"	-1.6"	0"
Invert 2	801.02'	90°	20"	15" HDPE	17.6"	DOGHOUSE INVRTD 20"x21"	20" x 21"	20"	-0.82"	0"
Invert 3	801.02'	180°	20"	8" PVC SDR35	8.5"	Hole 12	12"	12"	0.23"	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



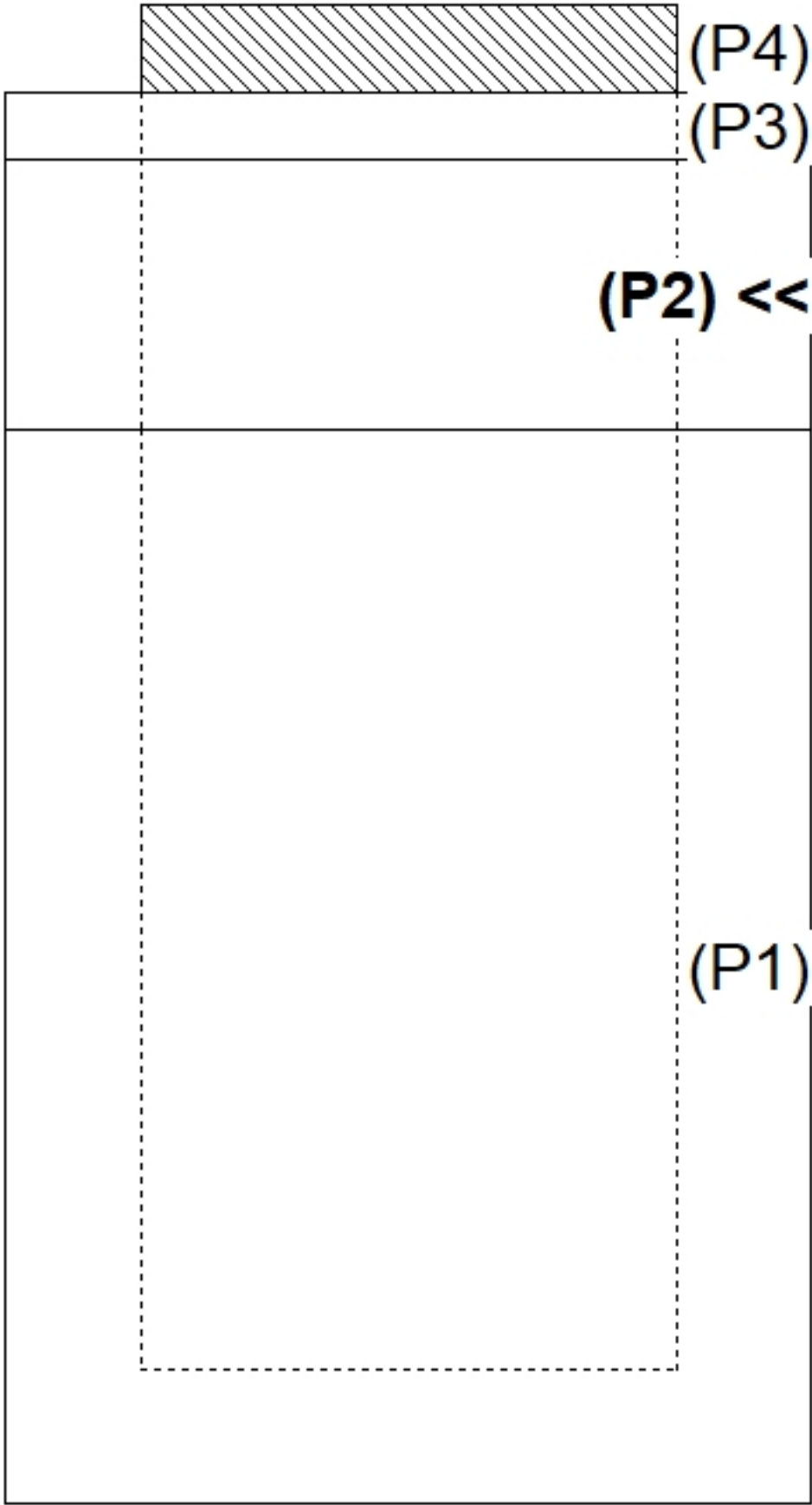
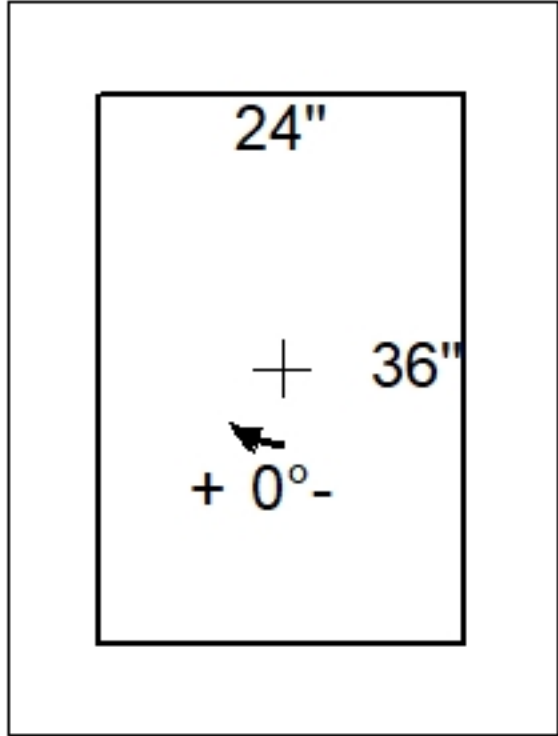
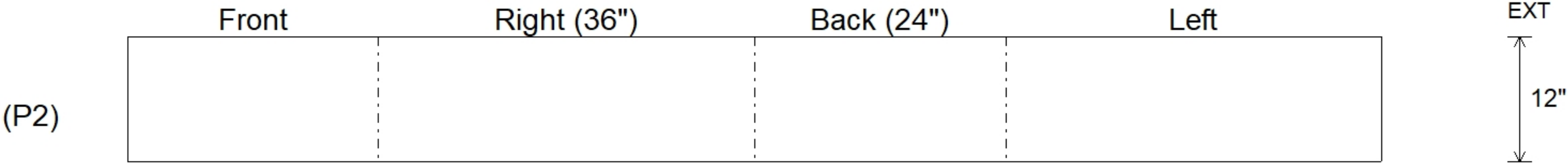
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 21"
Height (Ext): 29"

Weight (Net): 2295 lb
Volume (Net): 0.59cu.yd

Job Name: 26-3040 Shun Pike Storm Job Location: Nicholasville, KY Contractor: PECCO Eng					Plant: Beaver Dam 7/20/2026 10:23:29 AM		Tech: S. Felletter PC: E. Bradley				
Structure ID: 3											
P2		BX2436-06R12		BOX RISER 6inW F/F							
P4) 24" x 36" - CASTING HEIGHT - 4" P3) 24" x 36" - GRADE RING 6"W F/F - 3" P2) 24" x 36" - BOX RISER 6inW F/F - 12" P1) 24" x 36" - KNOCKOUT BASE 6"W/F - STOCK F/n - 42" 1) CASTING - HOE 518 F/G 3) 24" x 36" - Conseal CS-102 1.00"						0 lb 218 lb 870 lb 2466 lb 354 lb 0 lb ----- Structure Total: 3908 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.			
Rim: 5.083'		Rim to Invert: 0'		Slack: 0"		Sump: 61"		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: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 12" Height (Ext): 12"		Weight (Net): 870 lb Volume (Net): 0.22cu.yd	

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

Plant: 100
7/20/2026 8:31:22 AM

Tech: Jared - F
PC: T. Ryan



Structure ID: OCS

P2 BX4848-08RVF

BOX RISER 8inW, 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"

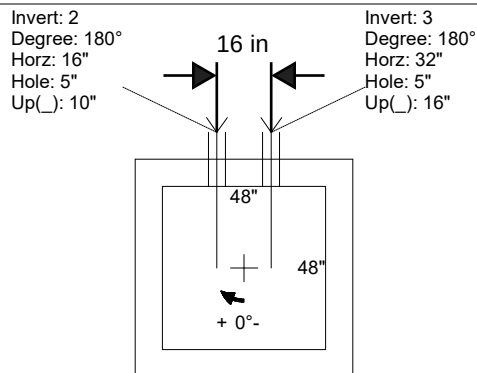
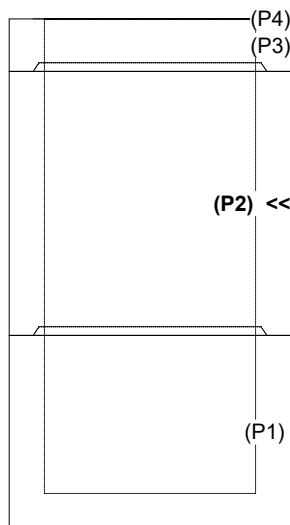
- Structure Notes: .
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS.
5. TRASHRACK SUPPLIED BY OTHERS.

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.

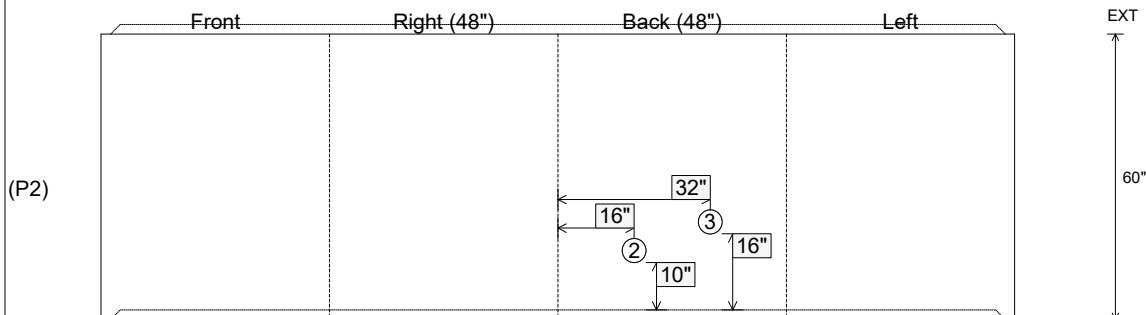
Rim: 1073' Rim to Invert: 8.5' Slack: 0" Sump: 6" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2	1068'	180°	24"	5" Orifice	5"	Orifice 5"	5"	5"	10"	-8"
Invert 3	1068.5'	180°	40"	5" Orifice	5"	Orifice 5"	5"	5"	16"	8"
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: 8"
Floor Height: 0"

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

Weight (Net): 8996 lb
Volume (Net): 2.3cu.yd

Job Name: 26-1394 - TMMI Ryder Lift Station

Job Location: Princeton, IN

Contractor: Koberstein Contracting, Inc.

Plant: 100

7/16/2026 2:28:13 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: 4 VV

P1 BX6096-08BAVF-EB

BX BASE w/FLANGE 08W/08F/06EF F/n

P3) 37" x 36" - HATCH (CAST FLUSH) - 3"

P2) 60" x 96" - BX FLAT LID 8"W w/37"x36" HATCH F/F - 8"

P1) 60" x 96" - BX BASE w/FLANGE 08W/08F/06EF F/n - 85"

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

1) LADDER (Alum.) - HALLIDAY L1D 84in Floor-Ceiling Mount Ladder

1) 60" x 96" - Conseal CS-102 1.00" (Double)

8) PSX - 8QRS-S NYLO

0 lb

4820 lb

26684 lb

0 lb

0 lb

0 lb

0 lb

65 lb

0 lb

52 lb

Structure Total: 31621 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. WET STICK 24" X 42" #5 L-BARS @ 12" C.C. (GRADE 60) OUT OF FLOOR FOR WALL POUR TIE-IN (SEE L-BAR DETAIL)

FIRST POUR (FLOOR): 7,325 LBS

SECOND POUR (WALLS): 19,359 LBS

Rim: 464.5'

Rim to Invert: 7.4'

Slack: 0.24"

Sump: 4.44"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	458.81'	90°	31"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-25"
Invert 2	458.81'	90°	61"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	5"
Invert 3	458.81'	90°	87"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	31"
Invert 4	457.1'	90°	74"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8"	1.875"	18"
Invert 5	458.81'	270°	25"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-31"
Invert 6	458.81'	270°	51"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-5"
Invert 7	457.13'	270°	38"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8"	2.25"	-18"
Invert 8	458.81'	270°	81"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	25"

42"

24"

#5 L-BAR DETAIL

44 EA. REQUIRED

(P3)

(P2)

(P1) <<

8" (TYP)

2" MIN. CLR. (TYP)

6"

8"

88" X 124"

WET STICK #5 L-BARS @ 8" C.C. (GRADE 60) OUT OF FLOOR FOR WALL POUR TIE-IN (SEE L-BAR DETAIL)

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 3
Degree: 90°
Horz: 79"
Hole: 8"
Up(): 23"

Invert: 5
Degree: 270°
Horz: 17"
Hole: 8"
Up(): 23"

Invert: 7
Degree: 270°
Horz: 30"
Hole: 8"
Up(): 2.25"

Invert: 6
Degree: 270°
Horz: 43"
Hole: 8"
Up(): 23"

Invert: 8
Degree: 270°
Horz: 73"
Hole: 8"
Up(): 23"

Invert: 4
Degree: 90°
Horz: 66"
Hole: 8"
Up(): 1.875"

Invert: 2
Degree: 90°
Horz: 53"
Hole: 8"
Up(): 23"

Invert: 1
Degree: 90°
Horz: 23"
Hole: 8"
Up(): 23"

60"

96"

+0° -

INSIDE WALL DIMENSIONS

Front

Right (96")

Back (60")

Left

79"

53"

23"

23"

1

2

3

4

66"

1.875"

73"

43"

17"

5

6

8

7

30"

2.25"

(P1)

85"

8"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 85"

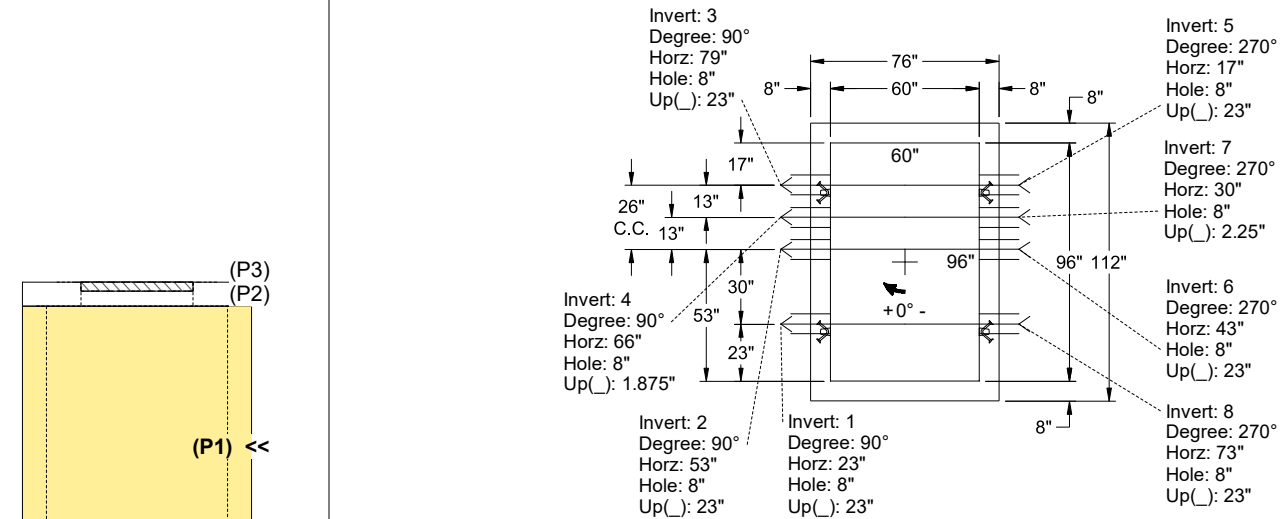
Height (Ext): 93"

Weight (Net): 26684 lb

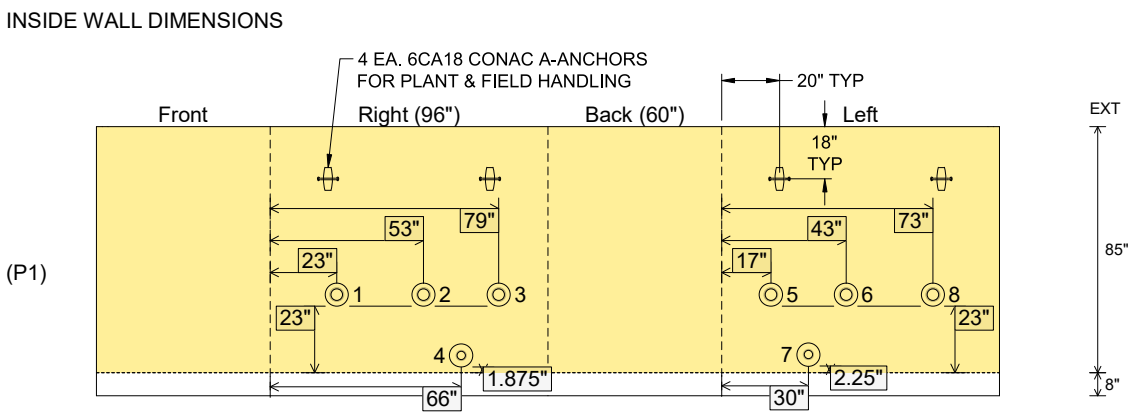
Volume (Net): 6.82cu.yd

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: 4 VV											
P1 BX6096-08BAVF-EB			BX BASE w/FLANGE 08W/08F/06EF F/n								
P3) 37" x 36" - HATCH (CAST FLUSH) - 3" P2) 60" x 96" - BX FLAT LID 8"W w/37"x36" HATCH F/F - 8" P1) 60" x 96" - BX BASE w/FLANGE 08W/08F/06EF F/n - 85" 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 1) LADDER (Alum.) - HALLIDAY L1D 84in Floor-Ceiling Mount Ladder 1) 60" x 96" - Conseal CS-102 1.00" (Double) 8) PSX - 8QRS-S NYLO						0 lb 4820 lb 26684 lb 0 lb 0 lb 0 lb 0 lb 65 lb 0 lb 52 lb Structure Total: 31621 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HALLIDAY 7' FLOOR & CEILING MOUNT LADDER SUPPLIED BY ICAST 5. FLOOR GROUTING BY OTHERS 6. LIFTERS: 4 EA. 6CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN 7. PRIOR TO WALL POUR, PLACE STRIP OF CS-231 1" BUTYL BETWEEN WALLS & FLOOR TO CREATE WATERTIGHT SEAL			
FIRST POUR (FLOOR): 7,325 LBS SECOND POUR (WALLS): 19,359 LBS											
Rim: 464.5' Rim to Invert: 7.4' Slack: 0.24" Sump: 4.44" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	458.81'	90°	31"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-25"	
Invert 2	458.81'	90°	61"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	5"	
Invert 3	458.81'	90°	87"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	31"	
Invert 4	457.1'	90°	74"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8"	1.875"	18"	
Invert 5	458.81'	270°	25"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-31"	
Invert 6	458.81'	270°	51"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-5"	
Invert 7	457.13'	270°	38"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8"	2.25"	-18"	
Invert 8	458.81'	270°	81"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	25"	

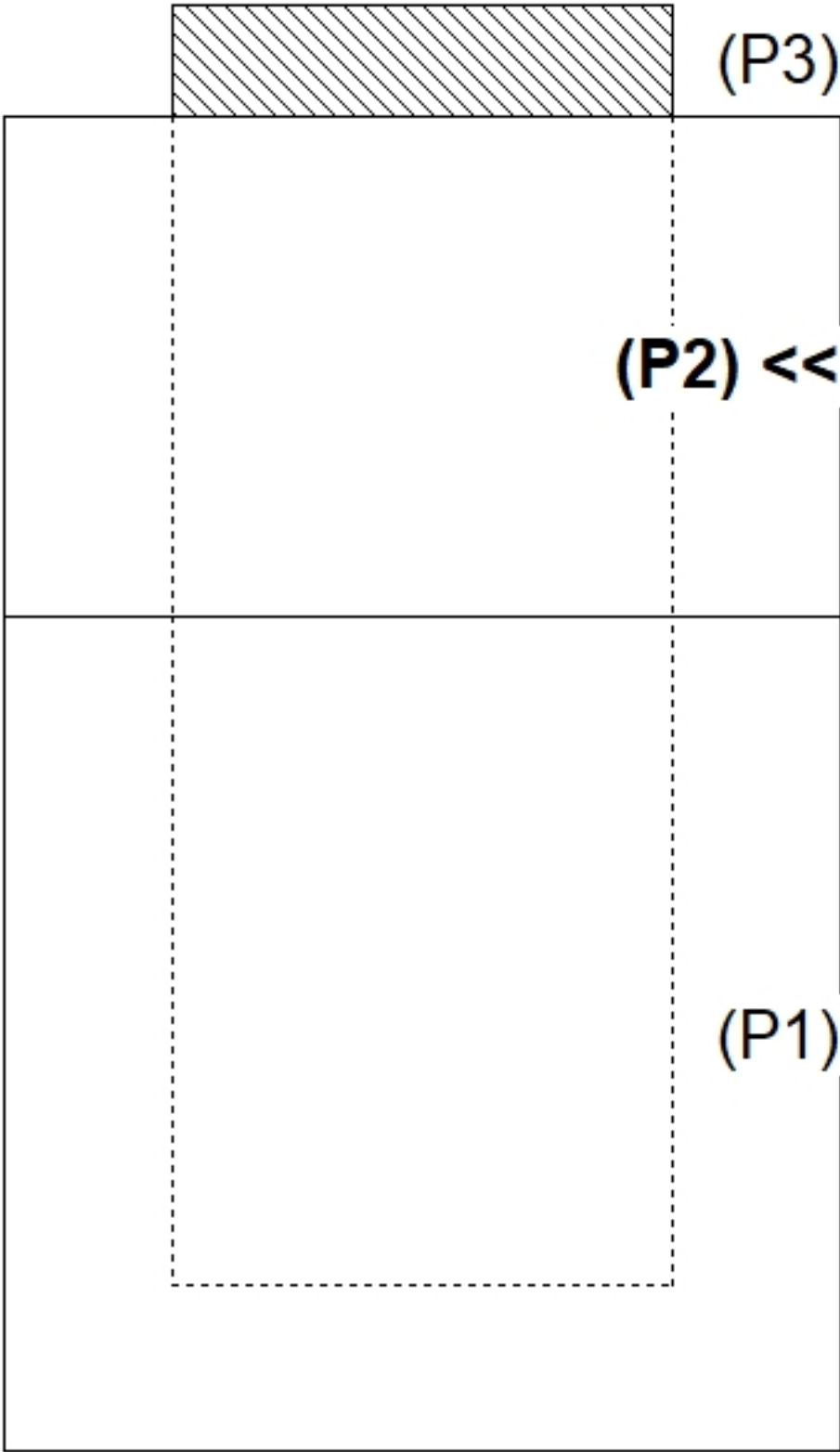
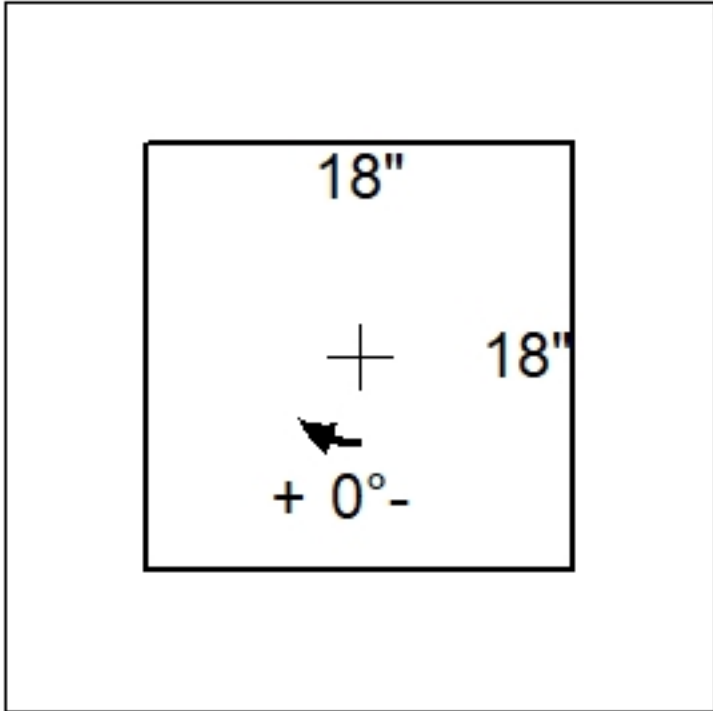
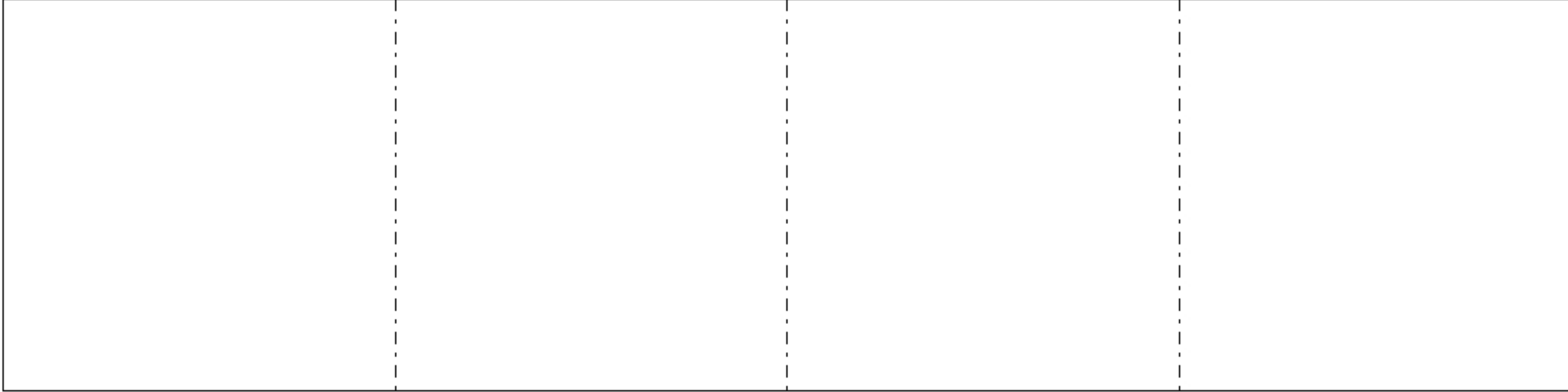
RIGHT-SIDE UP VIEW (int. dimensions)

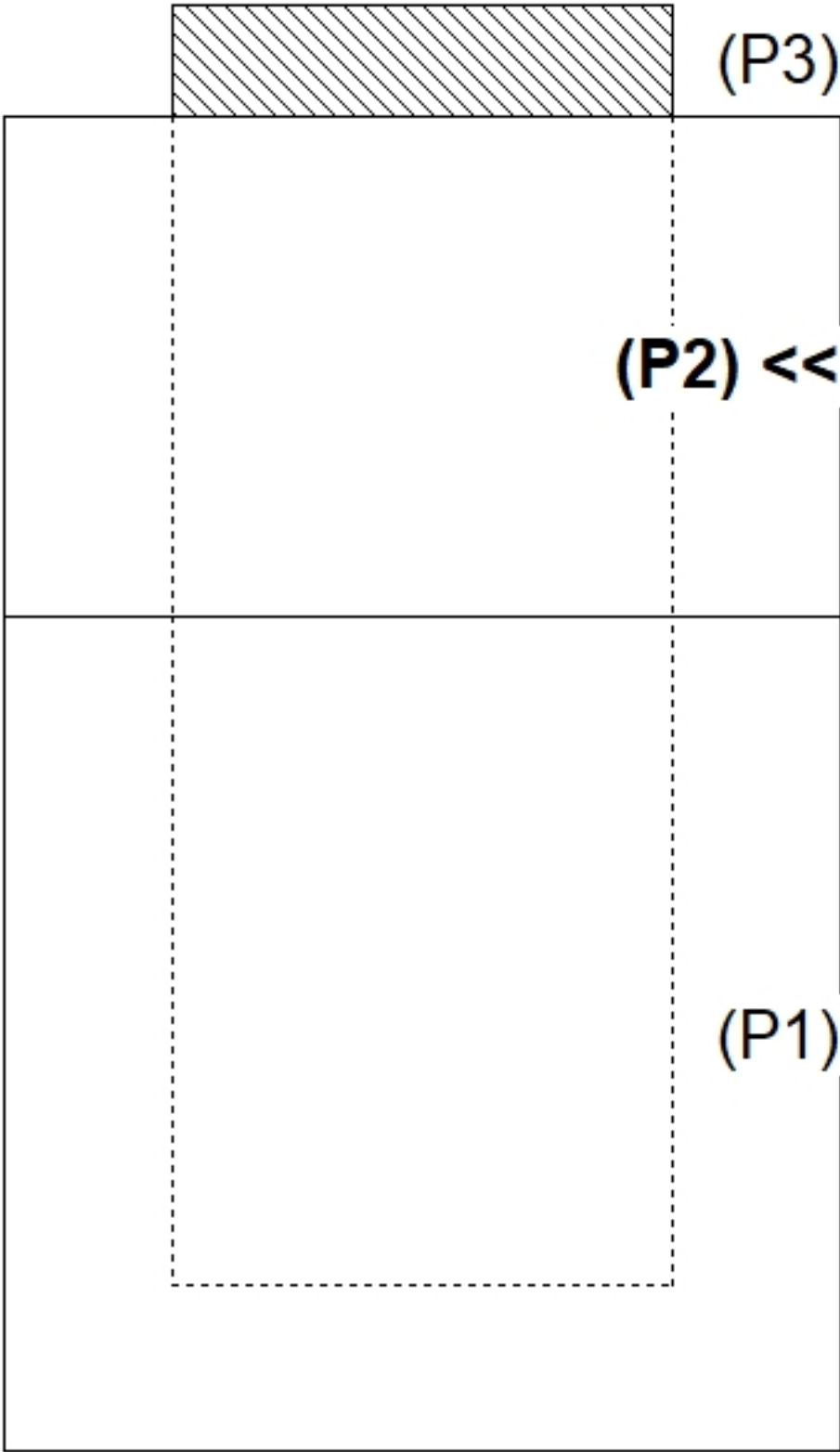
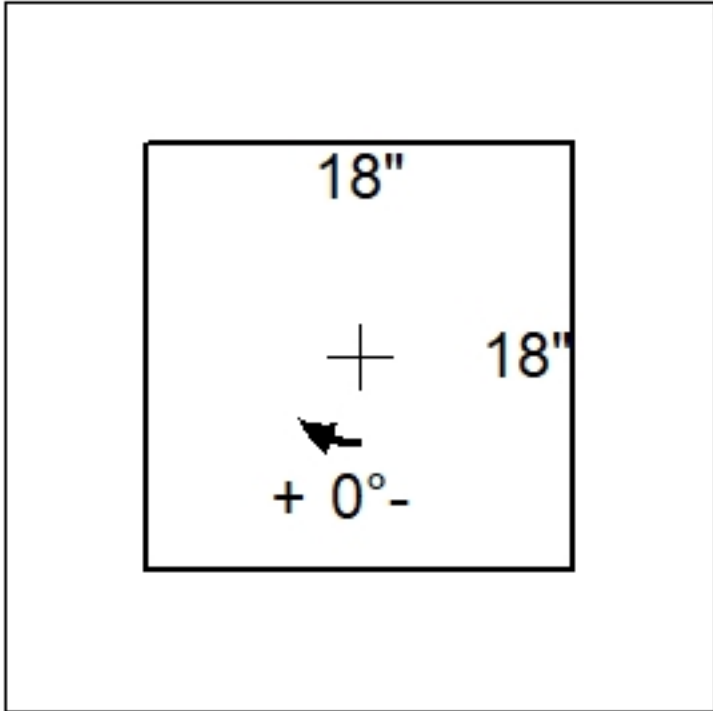
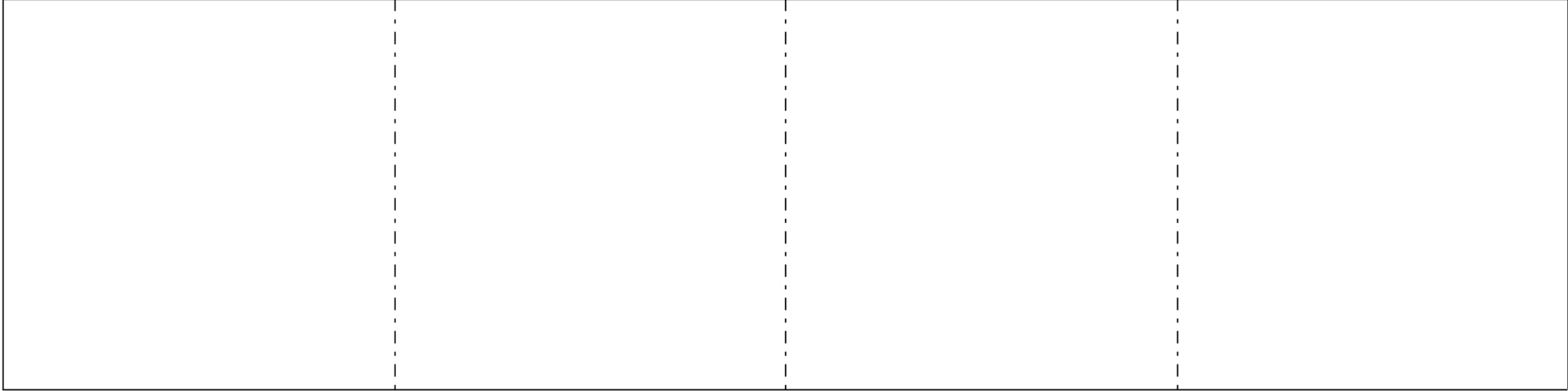


INSIDE WALL DIMENSIONS



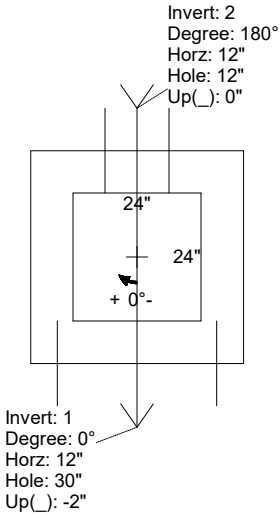
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 85" Height (Ext): 93"	Weight (Net): 26684 lb Volume (Net): 6.82cu.yd
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Job Name: 26-2119 512 W Kingston Ave MSD Job Location: Louisville, KY Contractor: TRC, LLC					Plant: Beaver Dam 7/16/2026 3:43:38 PM		Tech: S. Felletter PC: T. Lewis				
Structure ID: QL3 ST-CB 4											
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				18"					
											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 18" Height (Ext): 18"		Weight (Net): 870 lb Volume (Net): 0.22cu.yd	

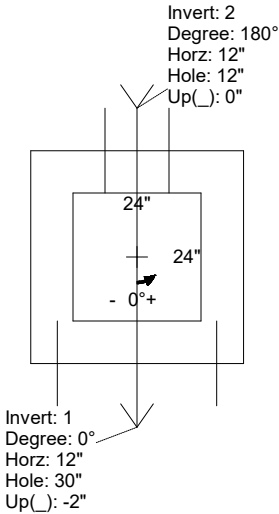
Job Name: 26-2119 512 W Kingston Ave MSD Job Location: Louisville, KY Contractor: TRC, LLC					Plant: Beaver Dam 7/16/2026 3:43:38 PM		Tech: S. Felletter PC: T. Lewis				
Structure ID: QL3 ST-CB 3											
P2		BX1818-06R18		BOX RISER 6inW F/F							
P3) 18" x 18" - CASTING HEIGHT - 4" P2) 18" x 18" - 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: 26-2763 - The Flats of Martin Job Location: Paris, TN 38242 Contractor: BTM Excavating, LLC					Plant: 100 7/14/2026 11:10:26 AM		Tech: Jared - F PC: T. Lewis				
Structure ID: 4 ST-OCS											
P1 BX2424-08BAVF BOX BASE 8inW, 8inF, Variable Ht F/n											
P2) 24" x 24" - CASTING HEIGHT - 3" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 32" 1) CASTING - TRASHRACKS LSQ-24 Sq. Top Mount Trash Rack 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 30 1) Hole - 12						0 lb 3392 lb 108 lb 0 lb 0 lb 0 lb Structure Total: 3500 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY ICAST (TRASHRACKS LSQ-24 SQ. TOP MOUNT TRASH RACK)). 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: 352.95' Rim to Invert: 2.95' Slack: 0.4" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	350'	0°	20"	24" HP STORM	28"	Hole 30	30"	27"	-2"	0"	
Invert 2	350'	180°	20"	12" Orifice	12"	Hole 12	12"	12"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

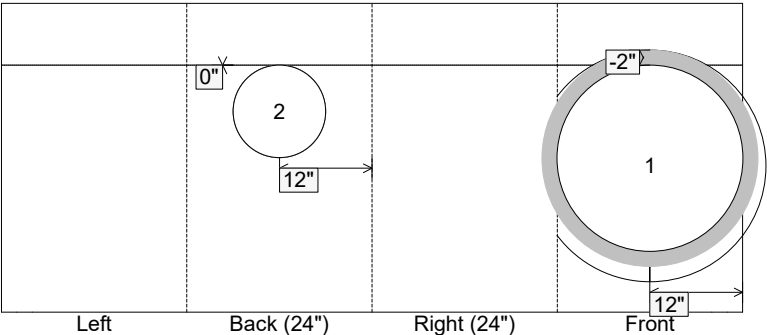
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

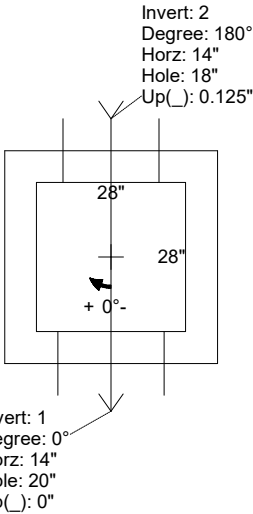


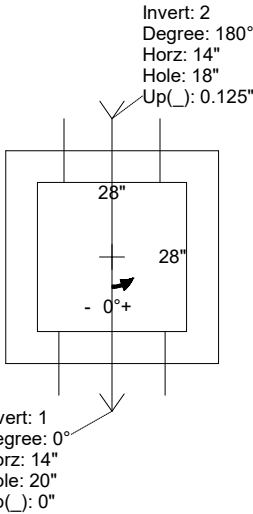
INSIDE WALL DIMENSIONS

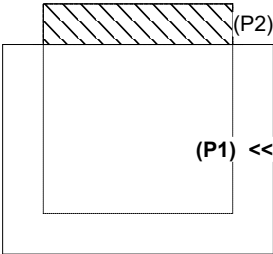


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 32" Height (Ext): 40"	Weight (Net): 3392 lb Volume (Net): 0.87cu.yd
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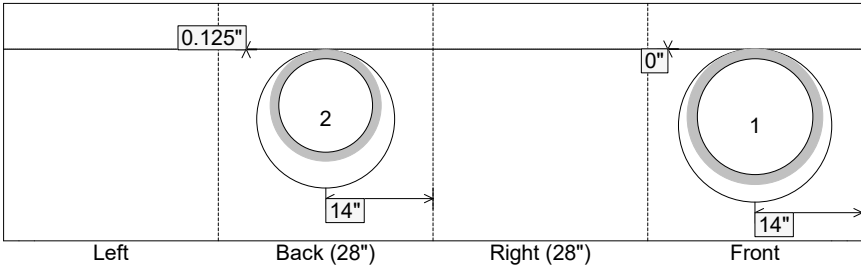
Job Name: 26-2763 - The Flats of Martin Job Location: Paris, TN 38242 Contractor: BTM Excavating, LLC					Plant: 100 7/14/2026 11:10:25 AM		Tech: Jared - F PC: T. Lewis				
Structure ID: 2 ST-AD											
P1 BX28280606VH		BOX BASE 6inW, 6inF, Variable Ht F/n									
P2) 28" x 28" - CASTING HEIGHT - 6" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 25" 1) CASTING - JBS 4310 F/G 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 20 1) Hole - 18					0 lb 2231 lb 500 lb 0 lb 0 lb 0 lb ----- Structure Total: 2731 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: 353.8' Rim to Invert: 2.5' Slack: 0.25" Sump: 1.25" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	351.3'	0°	20"	15" HP STORM	17.7"	Hole 20	20"	20"	0"	0"	
Invert 2	351.3'	180°	20"	12" HP STORM	14.5"	Hole 18	18"	18"	0.125"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											





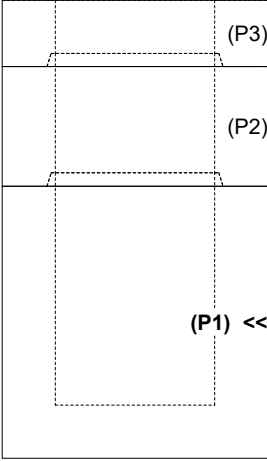


INSIDE WALL DIMENSIONS



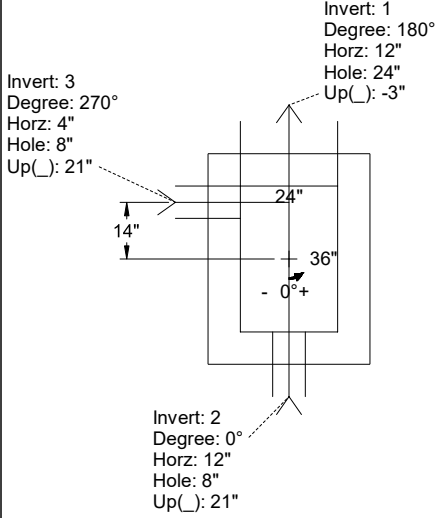
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 25" Height (Ext): 31"	Weight (Net): 2231 lb Volume (Net): 0.57cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt				Plant: 100 6/4/2026 4:50:56 PM		Tech: Jared - A PC: J. Jarvis						
Structure ID: 555												
P1 BX2436-08BVF				BOX BASE 8inW, 8inF, Variable Ht T/n								
P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 33" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 24 2) Hole - 8						3398 lb 5270 lb 4536 lb 206 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 13410 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY iCAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP 7. INVERT 3 OFFSET 14" FROM CENTER OF WALL				
Rim: 828.17' Rim to Invert: 5.09' Slack: 0.08" Sump: 0" Step Position:												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	823.08'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"		
Invert 2	825'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"		
Invert 3	825'	270°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	-14"		
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

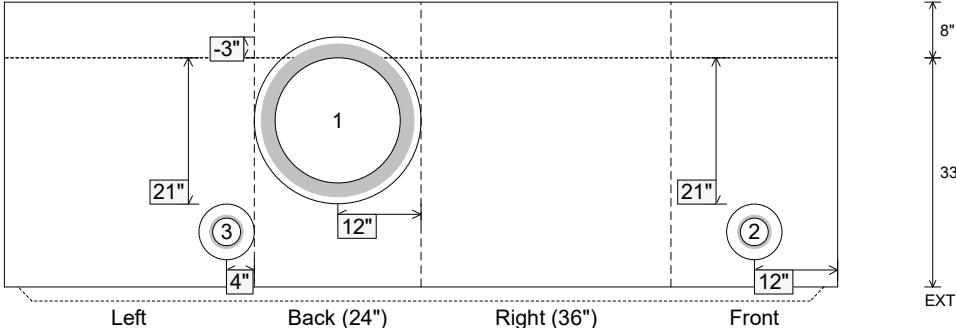


(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



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): 4536 lb Volume (Net): 1.16cu.yd
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Job Name: 25-3062 Portland Bypass
Job Location: Portland, TN
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam
6/1/2026 8:23:15 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: AD-2

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 - 48"
1) CASTING - JBS 4200 Grate
1) 32" x 32" - Conseal CS-102 1.00"
1) Hole - 32

0 lb
6297 lb
459 lb
0 lb
0 lb

Structure Total: 6756 lb

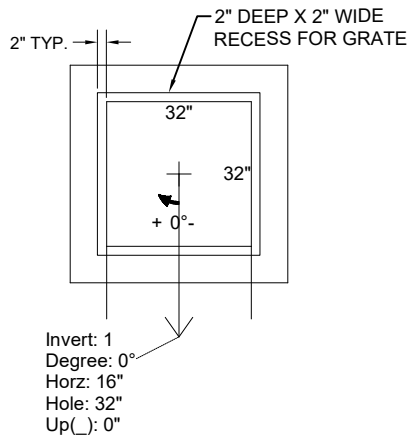
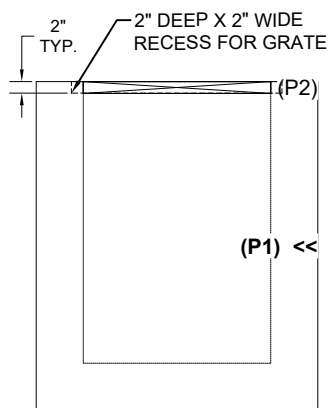
Structure Notes:
1. PER TDOT D-CB-42S / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 4200 GRATE BY ICAST
4. 2" WD x 2" DEEP GRATE SEAT/RECESS IN TOP OF WALLS.
5. REINFORCING PER ASTM A615 (GRADE 60).
** SEE TDOT STD DRAWING D-CB-42S **
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.
- FLOOR (As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

Rim: 795.5' Rim to Invert: 3.82' Slack: 0.84" Sump: 3" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	791.68'	0°	24"	24" RCP B WALL	30"	Hole 32	32"	32"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

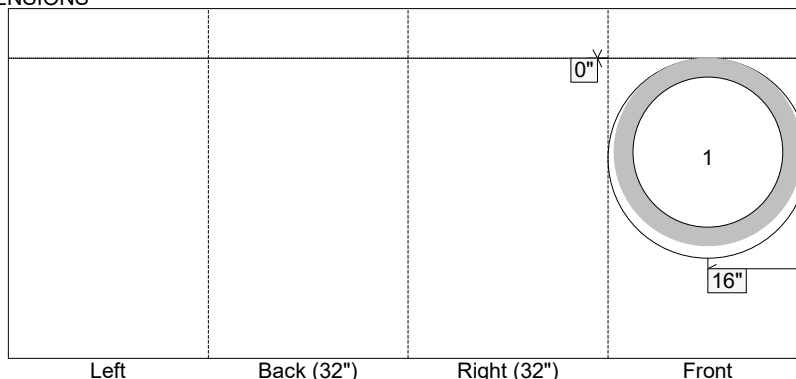
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

Weight (Net): 6297 lb
Volume (Net): 1.61cu.yd

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

Tech: S. Felletter

7/21/2026 8:50:17 AM

PC: A. Chambers



Structure ID: QL18

P14 GR28X28X6X4

GRADE RING 6"W F/F

P18) 28" x 28" - GRADE RING 6"W F/F - 4"
P17) 28" x 28" - GRADE RING 6"W F/F - 4"
P16) 28" x 28" - GRADE RING 6"W F/F - 4"
P15) 28" x 28" - GRADE RING 6"W F/F - 4"
P14) 28" x 28" - GRADE RING 6"W F/F - 4"
P13) 28" x 28" - GRADE RING 6"W F/F - 4"
P12) 28" x 28" - GRADE RING 6"W F/F - 4"
P11) 28" x 28" - GRADE RING 6"W F/F - 4"
P10) 28" x 28" - GRADE RING 6"W F/F - 4"
P9) 28" x 28" - GRADE RING 6"W F/F - 4"
P8) 28" x 28" - GRADE RING 6"W F/F - 4"
P7) 28" x 28" - GRADE RING 6"W F/F - 4"
P6) 28" x 28" - GRADE RING 6"W F/F - 4"
P5) 28" x 28" - GRADE RING 6"W F/F - 4"
P4) 28" x 28" - GRADE RING 6"W F/F - 4"
P3) 28" x 28" - GRADE RING 6"W F/F - 4"
P2) 28" x 28" - GRADE RING 6"W F/F - 4"
P1) 28" x 28" - GRADE RING 6"W F/F - 4"

274 lb
274 lb
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274 lb

Structure Notes:

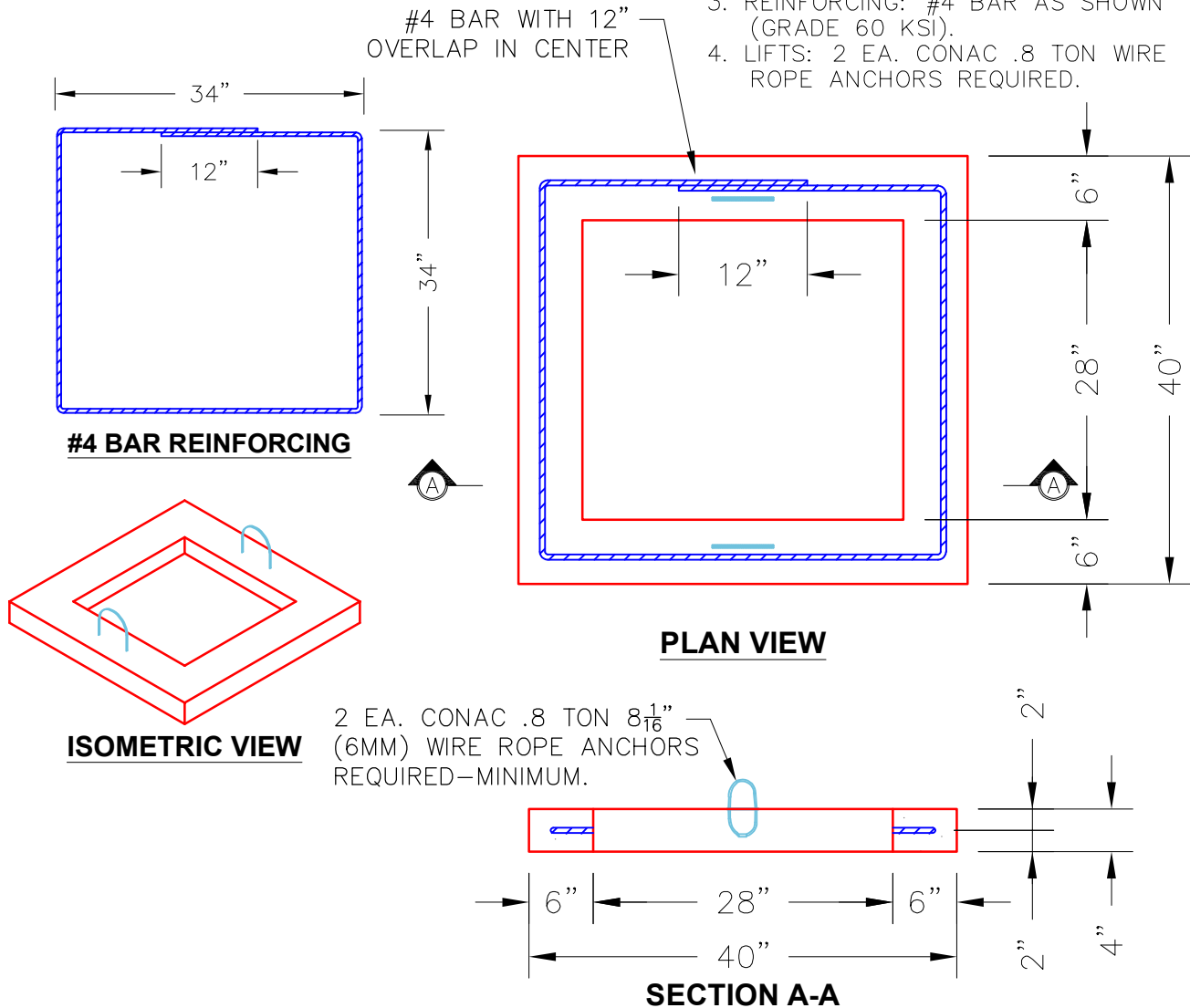
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

Weight (Net): 274 lb
Volume (Net): 0.07cu.yd

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:17 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL18

P15 GR28X28X6X4

GRADE RING 6"W F/F

P18) 28" x 28" - GRADE RING 6"W F/F - 4"
P17) 28" x 28" - GRADE RING 6"W F/F - 4"
P16) 28" x 28" - GRADE RING 6"W F/F - 4"
P15) 28" x 28" - GRADE RING 6"W F/F - 4"
P14) 28" x 28" - GRADE RING 6"W F/F - 4"
P13) 28" x 28" - GRADE RING 6"W F/F - 4"
P12) 28" x 28" - GRADE RING 6"W F/F - 4"
P11) 28" x 28" - GRADE RING 6"W F/F - 4"
P10) 28" x 28" - GRADE RING 6"W F/F - 4"
P9) 28" x 28" - GRADE RING 6"W F/F - 4"
P8) 28" x 28" - GRADE RING 6"W F/F - 4"
P7) 28" x 28" - GRADE RING 6"W F/F - 4"
P6) 28" x 28" - GRADE RING 6"W F/F - 4"
P5) 28" x 28" - GRADE RING 6"W F/F - 4"
P4) 28" x 28" - GRADE RING 6"W F/F - 4"
P3) 28" x 28" - GRADE RING 6"W F/F - 4"
P2) 28" x 28" - GRADE RING 6"W F/F - 4"
P1) 28" x 28" - GRADE RING 6"W F/F - 4"

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Structure Notes:

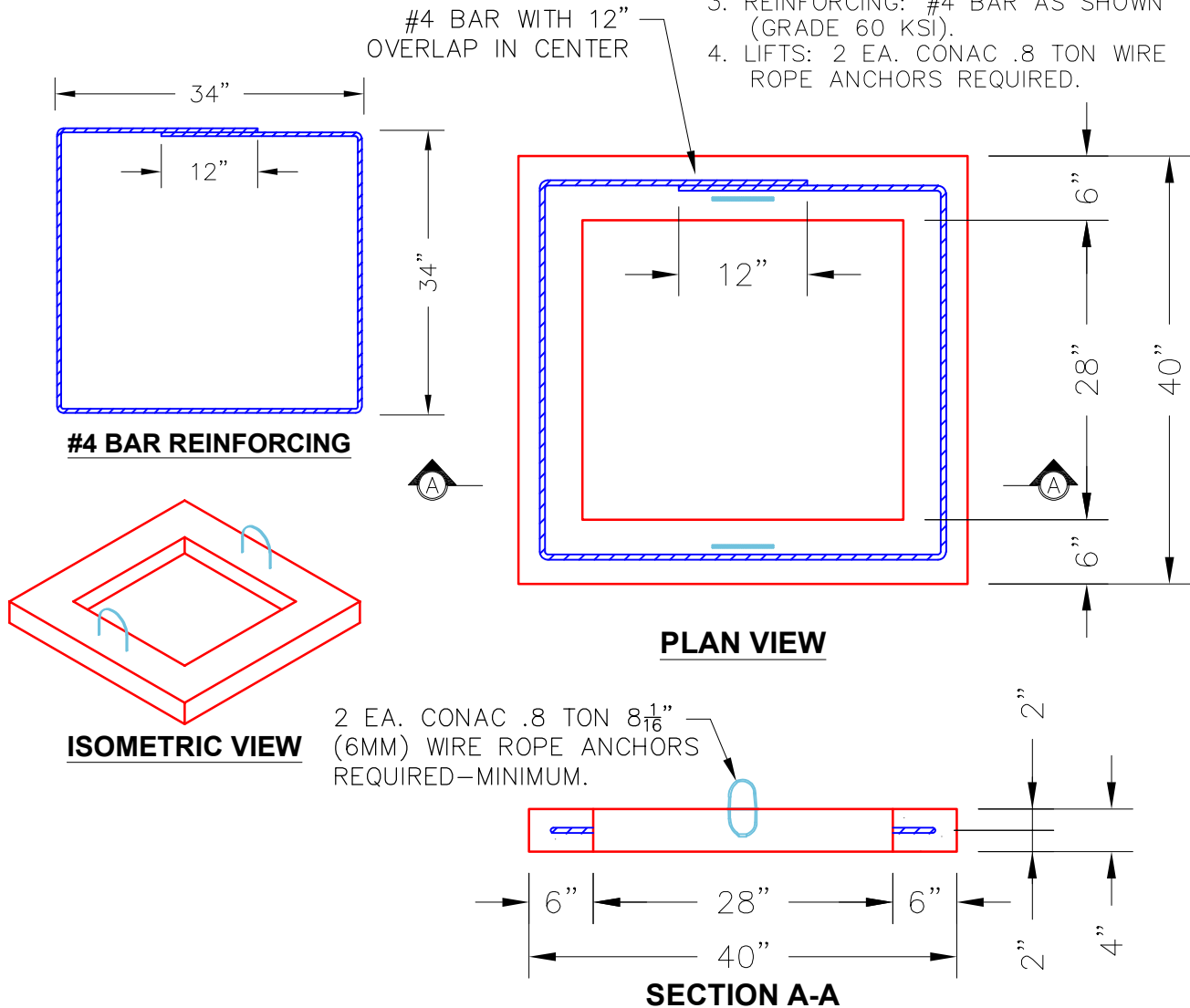
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

Weight (Net): 274 lb
Volume (Net): 0.07cu.yd

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:17 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL18

P16 GR28X28X6X4

GRADE RING 6"W F/F

P18) 28" x 28" - GRADE RING 6"W F/F - 4"
P17) 28" x 28" - GRADE RING 6"W F/F - 4"
P16) 28" x 28" - GRADE RING 6"W F/F - 4"
P15) 28" x 28" - GRADE RING 6"W F/F - 4"
P14) 28" x 28" - GRADE RING 6"W F/F - 4"
P13) 28" x 28" - GRADE RING 6"W F/F - 4"
P12) 28" x 28" - GRADE RING 6"W F/F - 4"
P11) 28" x 28" - GRADE RING 6"W F/F - 4"
P10) 28" x 28" - GRADE RING 6"W F/F - 4"
P9) 28" x 28" - GRADE RING 6"W F/F - 4"
P8) 28" x 28" - GRADE RING 6"W F/F - 4"
P7) 28" x 28" - GRADE RING 6"W F/F - 4"
P6) 28" x 28" - GRADE RING 6"W F/F - 4"
P5) 28" x 28" - GRADE RING 6"W F/F - 4"
P4) 28" x 28" - GRADE RING 6"W F/F - 4"
P3) 28" x 28" - GRADE RING 6"W F/F - 4"
P2) 28" x 28" - GRADE RING 6"W F/F - 4"
P1) 28" x 28" - GRADE RING 6"W F/F - 4"

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Structure Notes:

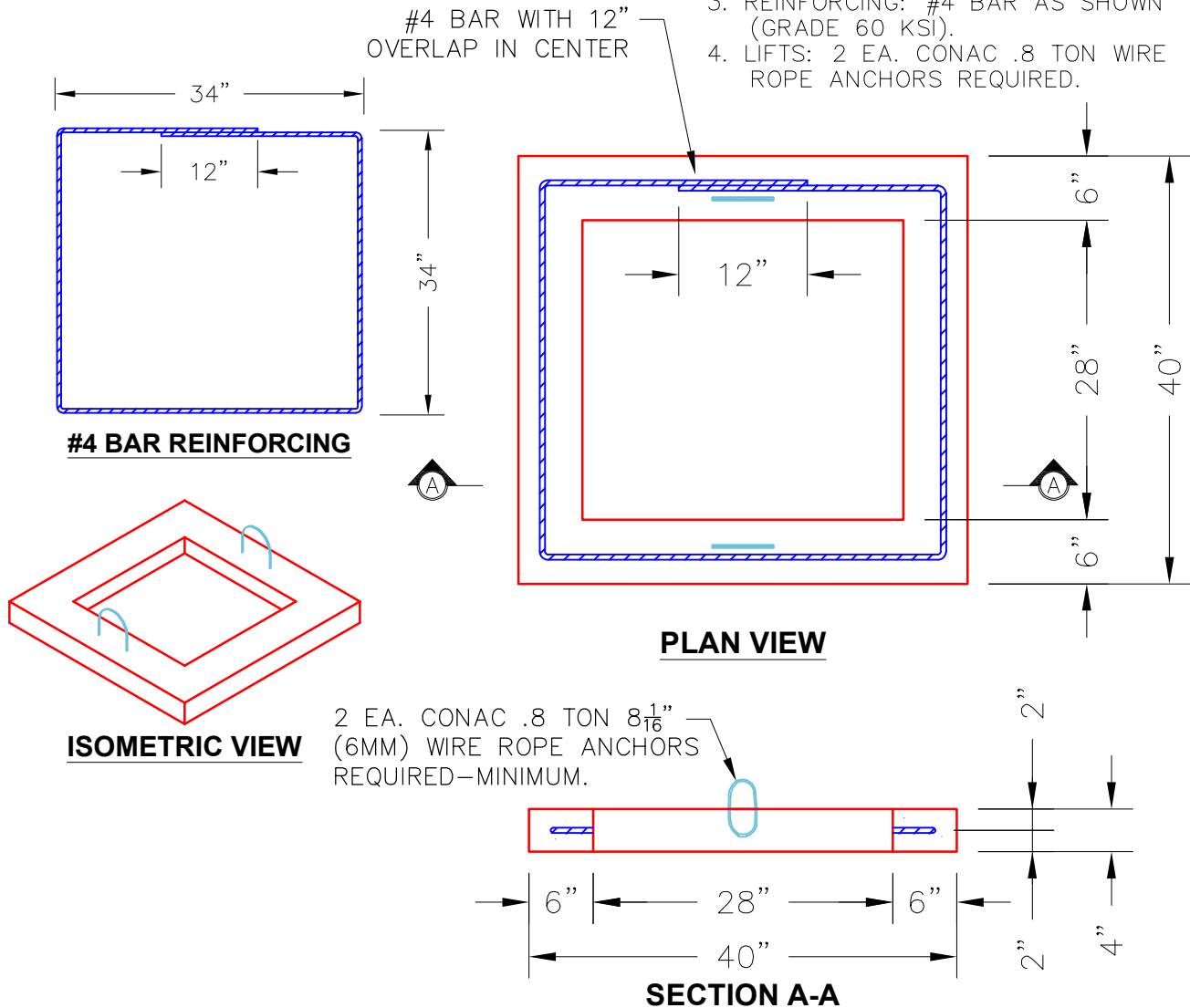
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

Weight (Net): 274 lb
Volume (Net): 0.07cu.yd

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:18 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL18

P17 GR28X28X6X4

GRADE RING 6"W F/F

P18) 28" x 28" - GRADE RING 6"W F/F - 4"
P17) 28" x 28" - GRADE RING 6"W F/F - 4"
P16) 28" x 28" - GRADE RING 6"W F/F - 4"
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P6) 28" x 28" - GRADE RING 6"W F/F - 4"
P5) 28" x 28" - GRADE RING 6"W F/F - 4"
P4) 28" x 28" - GRADE RING 6"W F/F - 4"
P3) 28" x 28" - GRADE RING 6"W F/F - 4"
P2) 28" x 28" - GRADE RING 6"W F/F - 4"
P1) 28" x 28" - GRADE RING 6"W F/F - 4"

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Structure Notes:

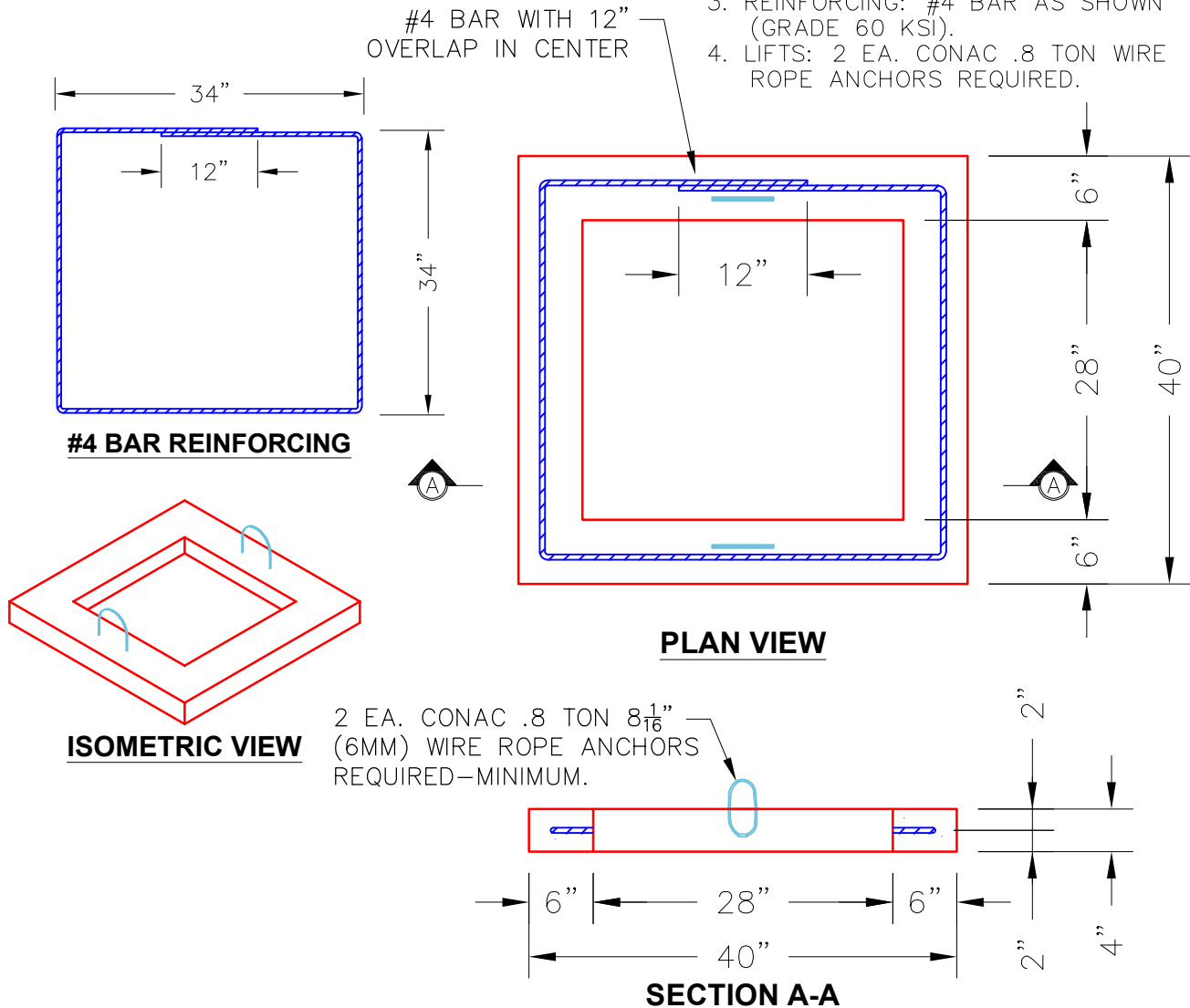
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

Weight (Net): 274 lb
Volume (Net): 0.07cu.yd

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:18 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL18

P18 GR28X28X6X4

GRADE RING 6"W F/F

P18) 28" x 28" - GRADE RING 6"W F/F - 4"
P17) 28" x 28" - GRADE RING 6"W F/F - 4"
P16) 28" x 28" - GRADE RING 6"W F/F - 4"
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P5) 28" x 28" - GRADE RING 6"W F/F - 4"
P4) 28" x 28" - GRADE RING 6"W F/F - 4"
P3) 28" x 28" - GRADE RING 6"W F/F - 4"
P2) 28" x 28" - GRADE RING 6"W F/F - 4"
P1) 28" x 28" - GRADE RING 6"W F/F - 4"

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Structure Notes:

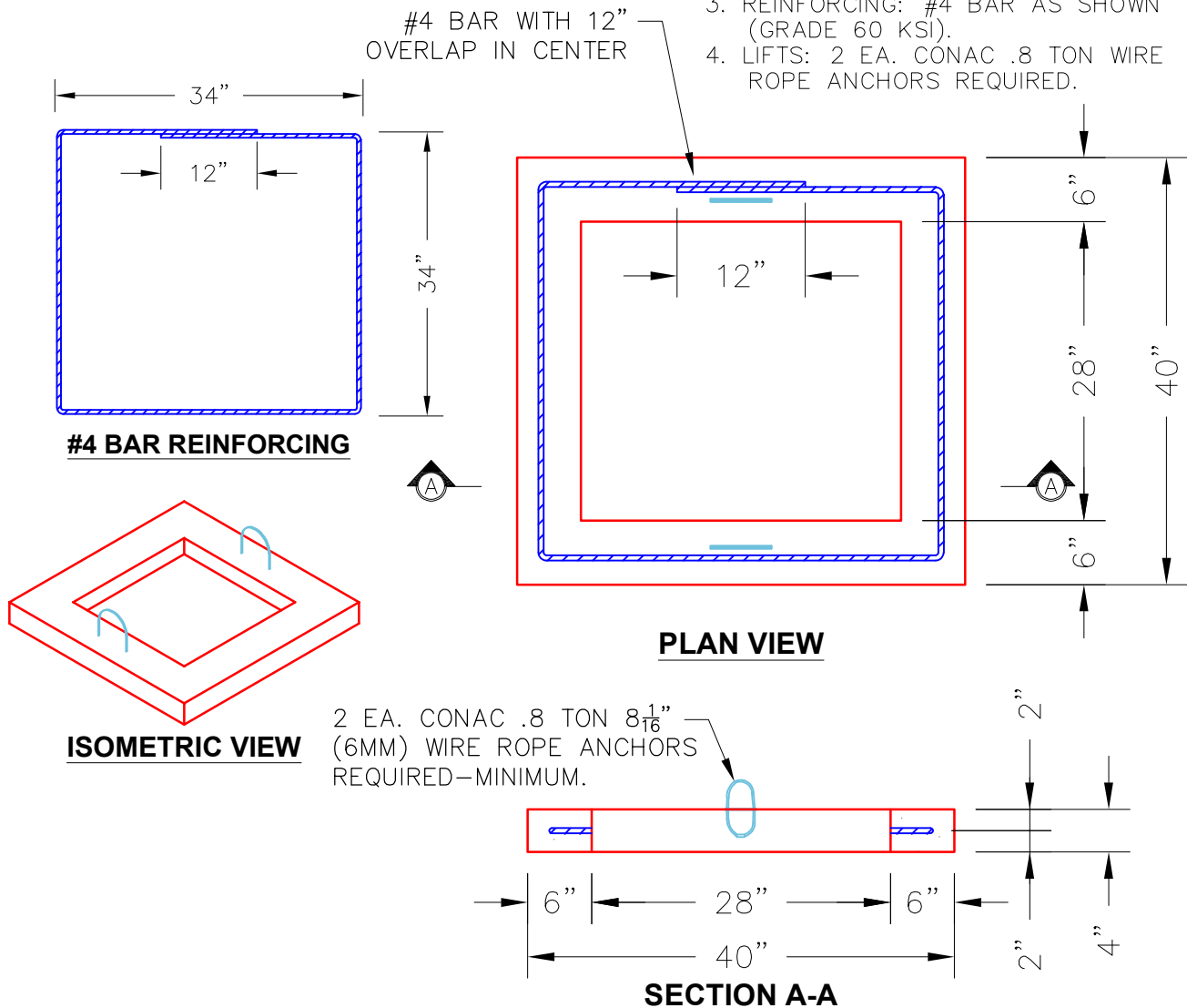
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

Weight (Net): 274 lb
Volume (Net): 0.07cu.yd

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:10 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL17

P1 GR28x28x6x3

GRADE RING 6"W F/F

P5) 28" x 28" - GRADE RING 6"W F/F - 3"
P4) 28" x 28" - GRADE RING 6"W F/F - 3"
P3) 28" x 28" - GRADE RING 6"W F/F - 3"
P2) 28" x 28" - GRADE RING 6"W F/F - 3"
P1) 28" x 28" - GRADE RING 6"W F/F - 3"

205 lb
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Structure Total: 1027 lb

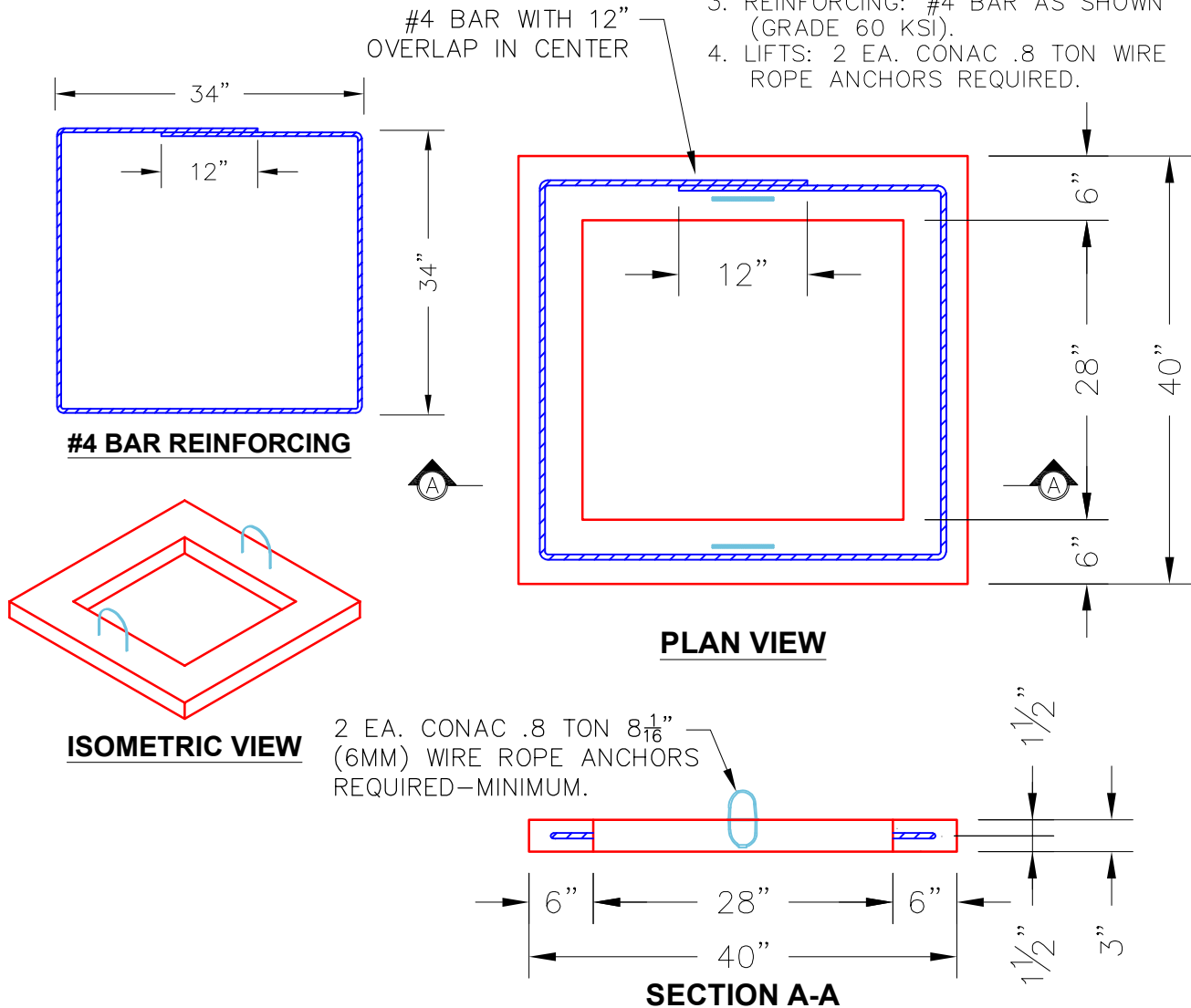
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

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

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:11 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL17

P2 GR28x28x6x3

GRADE RING 6"W F/F

P5) 28" x 28" - GRADE RING 6"W F/F - 3"
P4) 28" x 28" - GRADE RING 6"W F/F - 3"
P3) 28" x 28" - GRADE RING 6"W F/F - 3"
P2) 28" x 28" - GRADE RING 6"W F/F - 3"
P1) 28" x 28" - GRADE RING 6"W F/F - 3"

205 lb
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Structure Total: 1027 lb

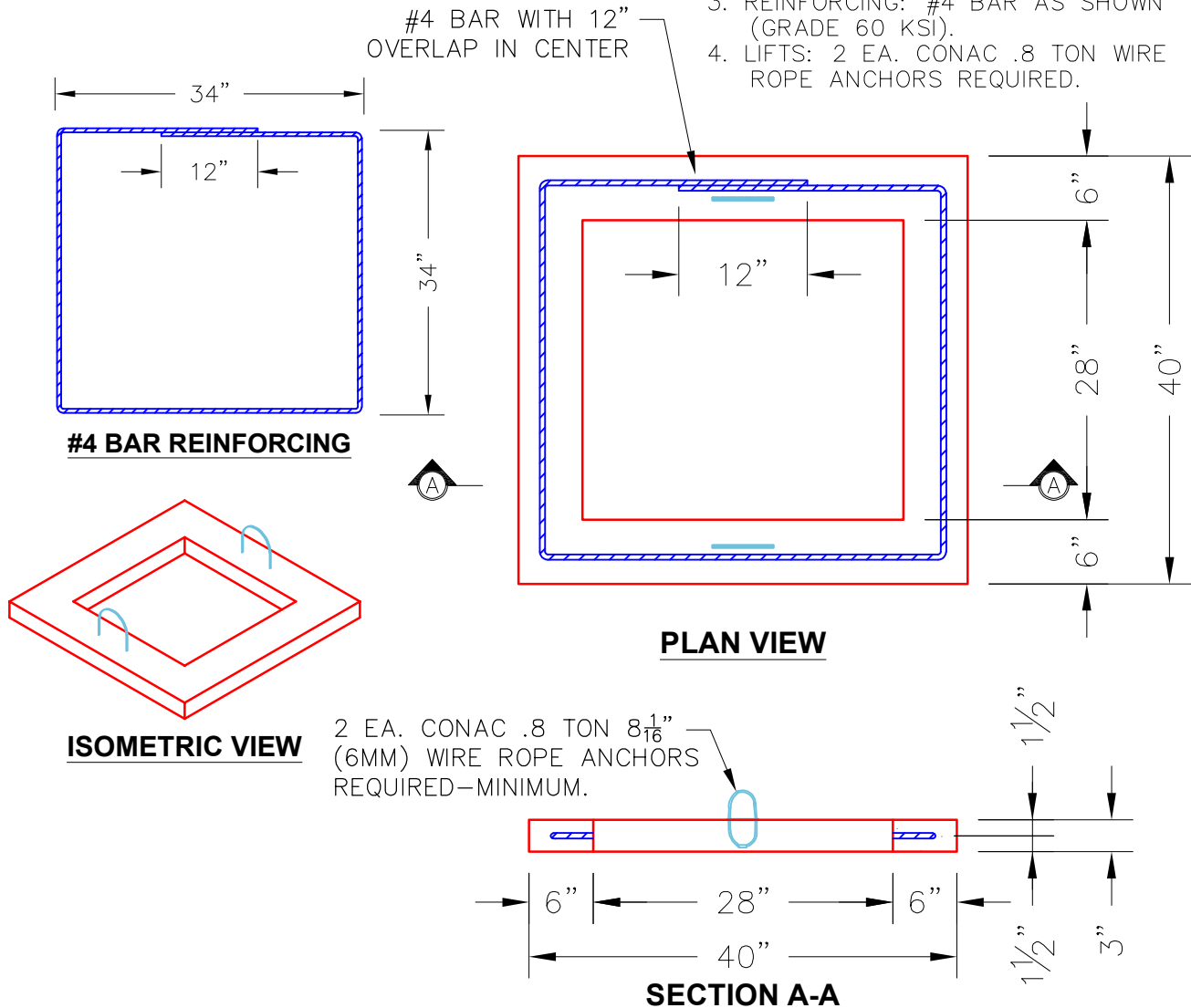
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

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

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:11 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL17

P3 GR28x28x6x3

GRADE RING 6"W F/F

P5) 28" x 28" - GRADE RING 6"W F/F - 3"
P4) 28" x 28" - GRADE RING 6"W F/F - 3"
P3) 28" x 28" - GRADE RING 6"W F/F - 3"
P2) 28" x 28" - GRADE RING 6"W F/F - 3"
P1) 28" x 28" - GRADE RING 6"W F/F - 3"

205 lb
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Structure Total: 1027 lb

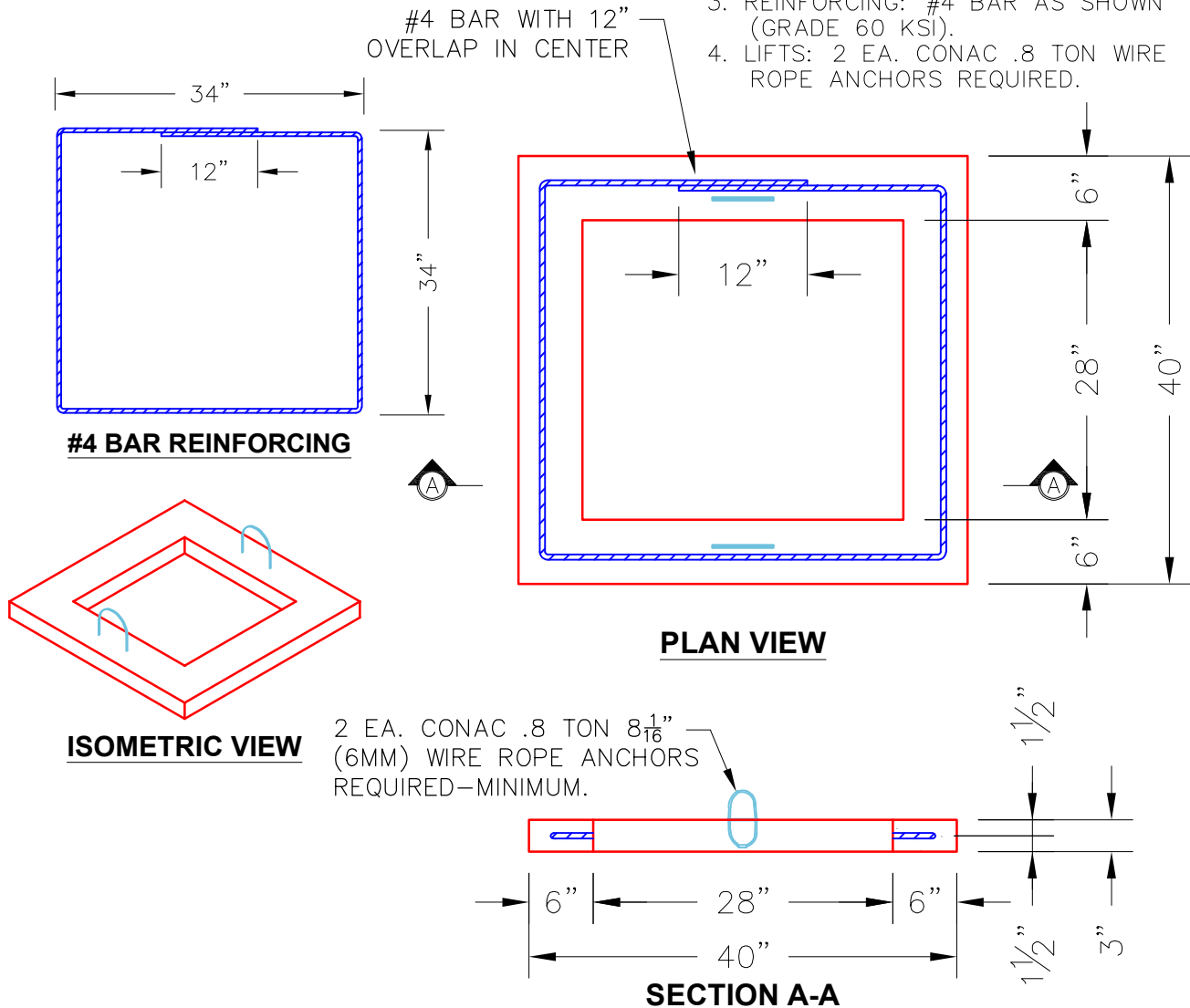
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

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

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:11 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL17

P4 GR28x28x6x3

GRADE RING 6"W F/F

P5) 28" x 28" - GRADE RING 6"W F/F - 3"
P4) 28" x 28" - GRADE RING 6"W F/F - 3"
P3) 28" x 28" - GRADE RING 6"W F/F - 3"
P2) 28" x 28" - GRADE RING 6"W F/F - 3"
P1) 28" x 28" - GRADE RING 6"W F/F - 3"

205 lb
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Structure Total: 1027 lb

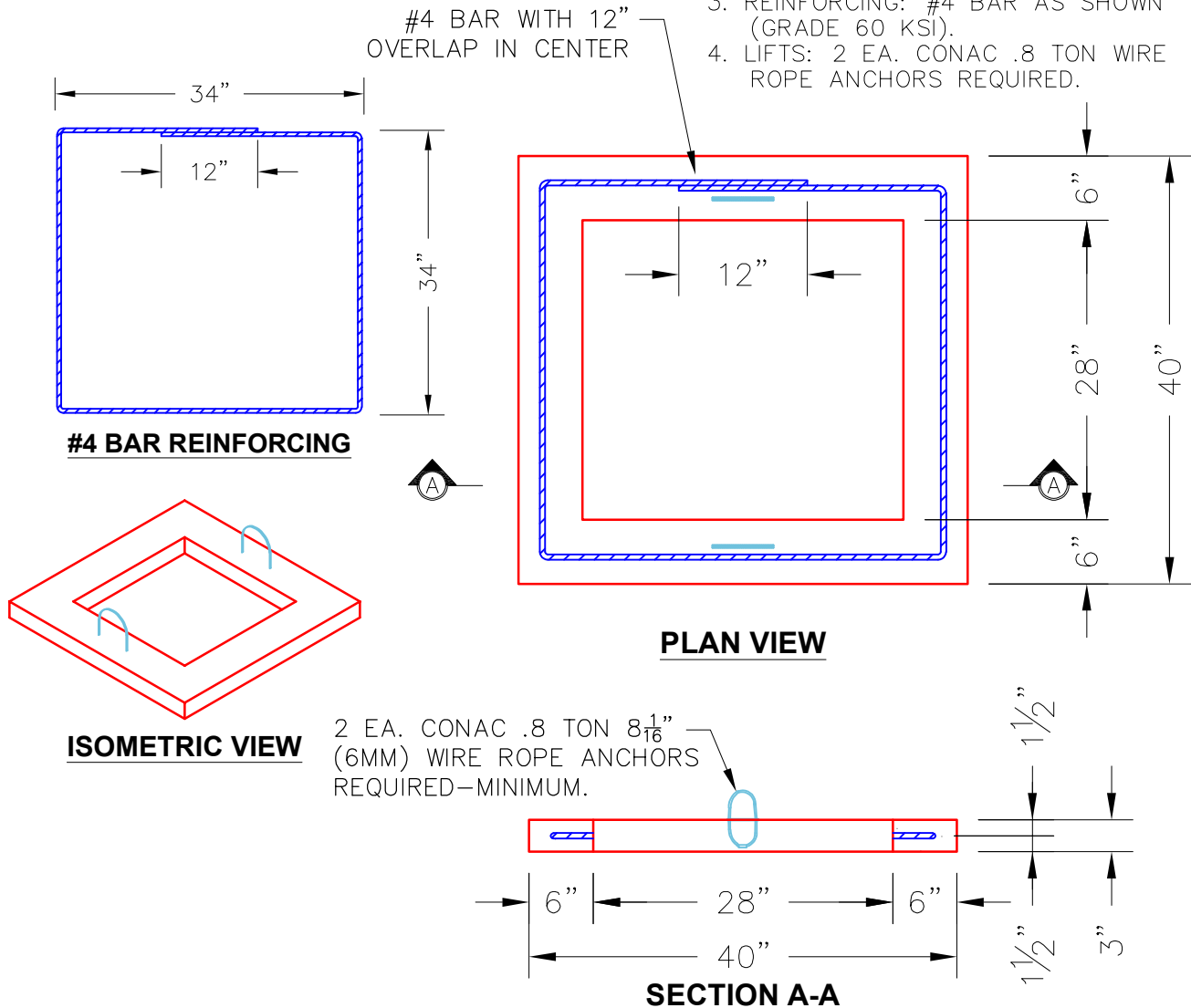
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

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

Job Name: 25-2284C Parks at Cane Ridge Ph.2B
Job Location: Antioch, TN
Contractor: Josh King Excavating

Plant: Beaver Dam

7/21/2026 8:50:12 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL17

P5 GR28x28x6x3

GRADE RING 6"W F/F

P5) 28" x 28" - GRADE RING 6"W F/F - 3"
P4) 28" x 28" - GRADE RING 6"W F/F - 3"
P3) 28" x 28" - GRADE RING 6"W F/F - 3"
P2) 28" x 28" - GRADE RING 6"W F/F - 3"
P1) 28" x 28" - GRADE RING 6"W F/F - 3"

205 lb
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Structure Total: 1027 lb

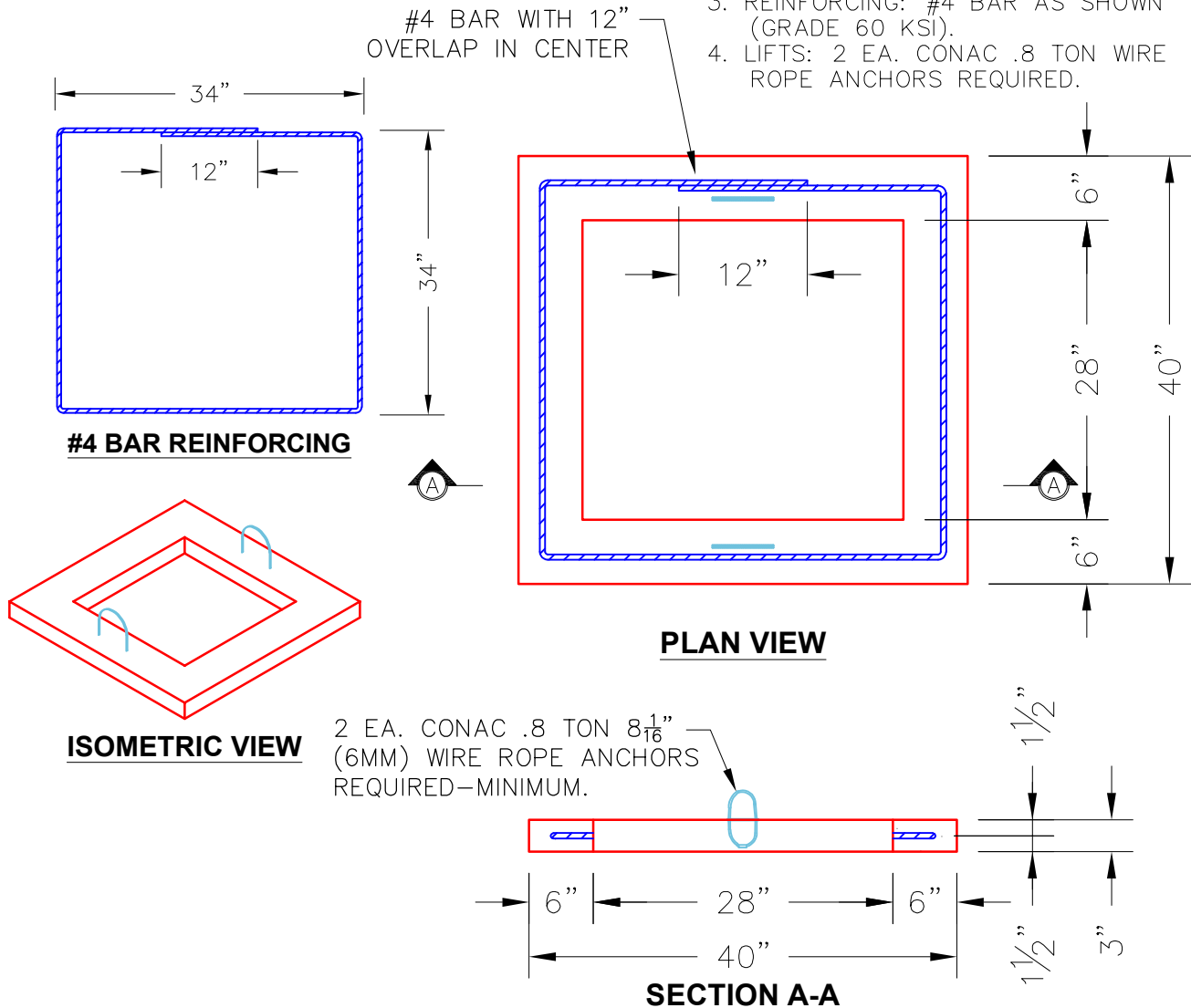
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

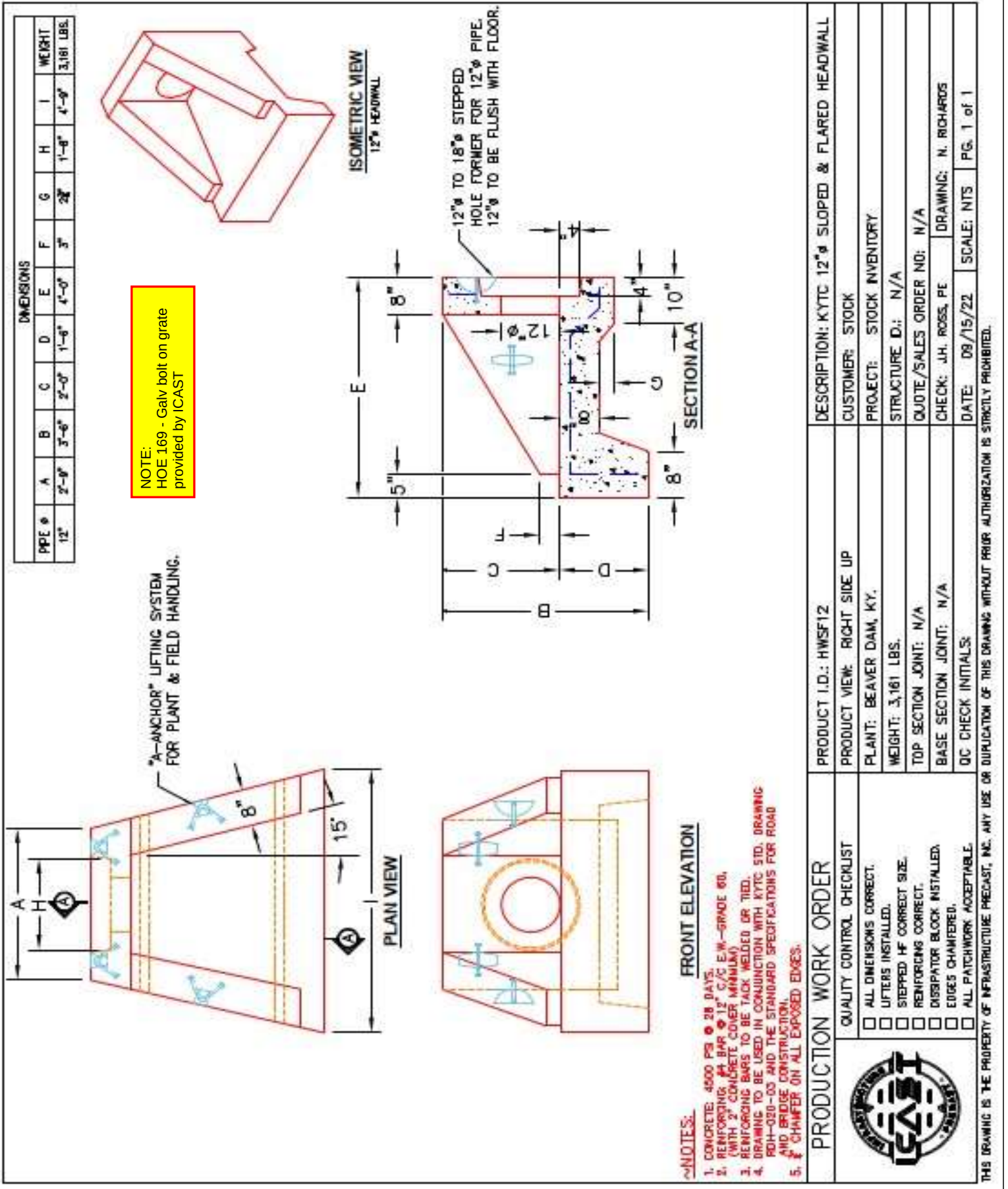
Weight (Net): 205 lb
Volume (Net): 0.05cu.yd

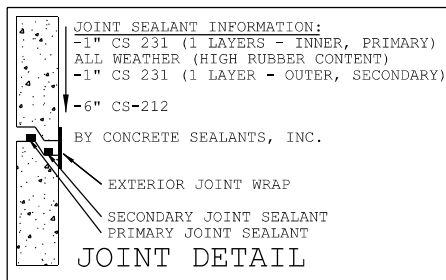


Structure ID: QL1 HW 1

P1 HWSF12

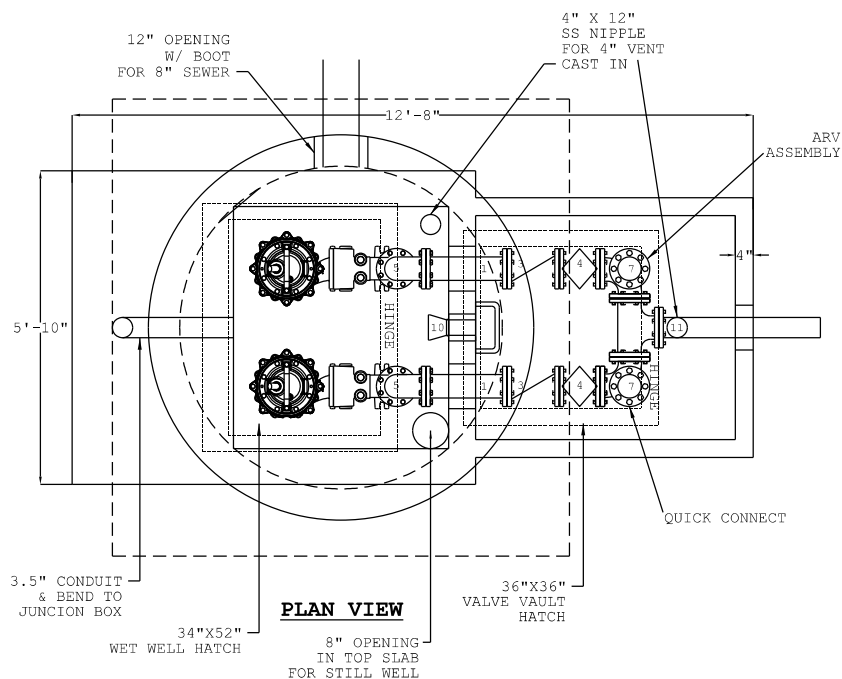
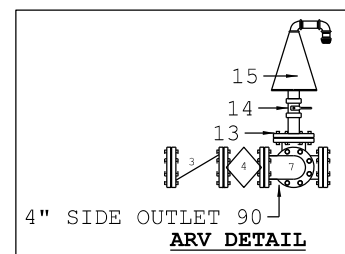
12" - SLOPED & FLARED HEADWALL F/F





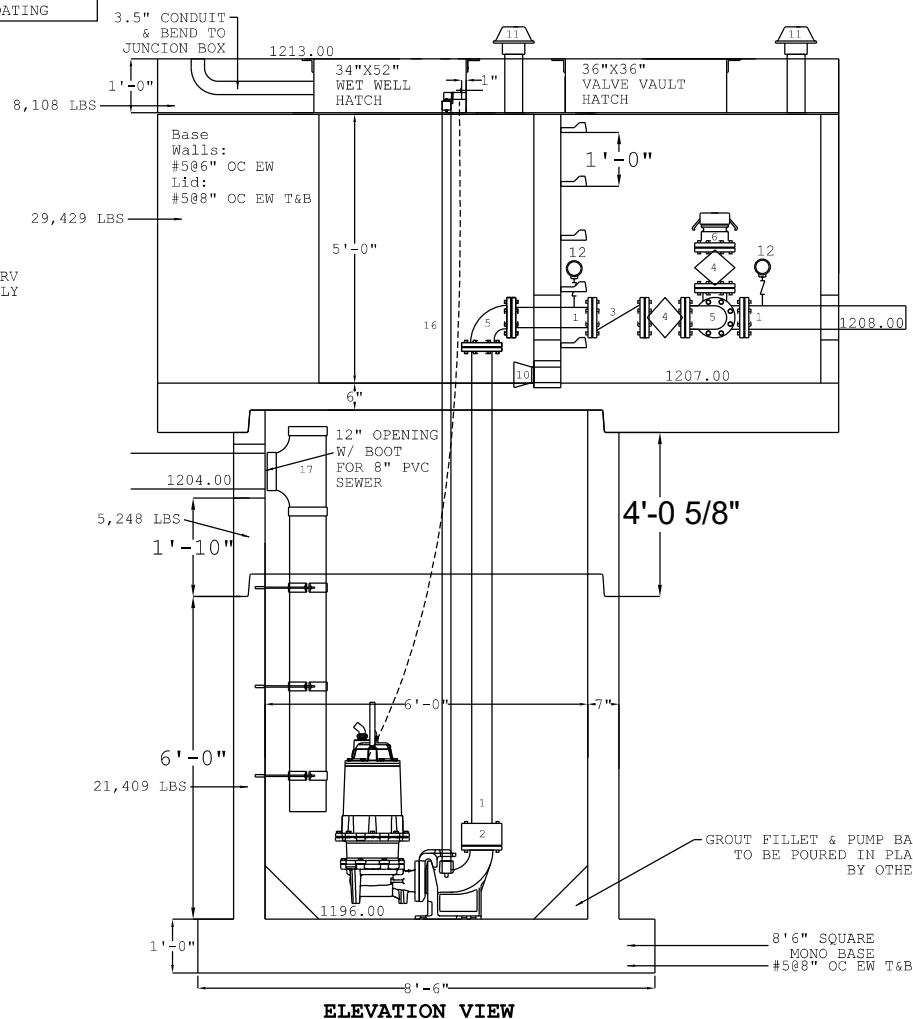
- 1 - 4" DI PIPE
 - 2 - 4" RFCA W/ SS HARDWARE
 - 3 - 4" FLANGED CHECK VALVE
 - 4 - 4" FLANGED PLUG VALVE
 - 5 - 4" FLANGED 90
 - 6 - 4" ALUM FLANGE ADAPTER X FLANGE W/ CAP
 - 7 - 4" FLANGED SIDE OUTLET 90
 - 8 - 36"X36" ALUM. HATCH
 - 9 - 34"X52" ALUM. HATCH W/ SAFETY GRATING
 - 10 - 2" TIDEFLEX CHECK VALVE
 - 11 - 4" MUSHROOM VENT W/ SS304 NIPPLE
 - 12 - PRESSURE GAUGE ASSEMBLY
 - 13 - 4"X2" COMPANION FLANGE
 - 14 - 2" SS304 BALL VALVE & NIPPLE
 - 15 - 2" ARI D025 COMBO ARV
 - 16 - 1.5" SS304 GUIDERAIL PIPE
 - 17 - 8" SDR 35 PVC TEE, PIPE & SS WALL CLAMPS
- NOTE: ALL DUCTILE IRON PIPE AND FITTINGS SHALL RECEIVE TNEC 431 LINER & COATING

26-1355 Sinking Creek Lift Station

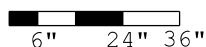


CONCRETE MIX DESIGN:
 5,000 PSI @ 28 DAYS
 XYPEX RED ADMIXTURE

CARBOLINE 300M COATING:
 EXTERIOR WALLS
 +
 INTERIOR WALLS
 BOTTOM OF TOP SLAB IN WET WELL AREA
 BOTTOM OF COMBO SECTION IN WET WELL AREA



GRAPHIC SCALE



PROJECT INFORMATION

OWNER: LONDON UTILITY COMMISSION
ENGINEER: ECLIPSE ENGINEERS

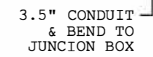
DRAWING INFORMATION

DRAWING BY: J.H. ROSS, PE
DATE: MARCH 23, 2026
REV. DATE: N/A

**SINKING CREEK PH 2
 6' DIA PRE-ENGINEERED
 PACKAGE PUMP STATION**

ENDESOL, INC.
 981 WEST SEVENTH STREET
 BEAVER DAM, KENTUCKY 42320

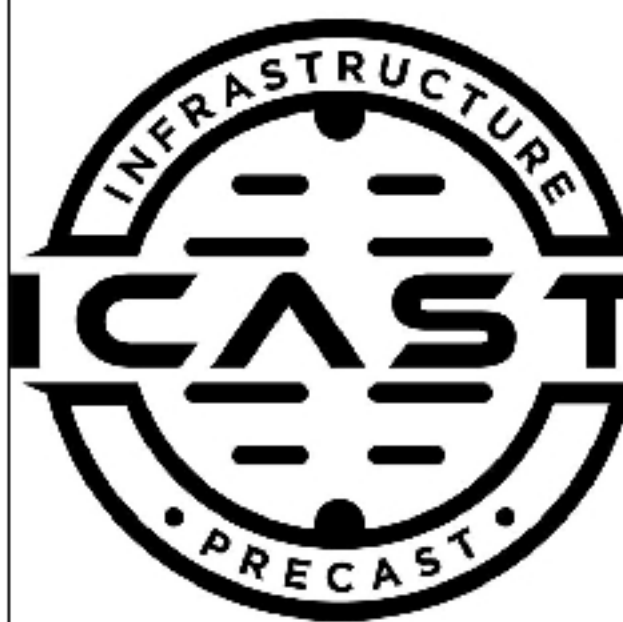
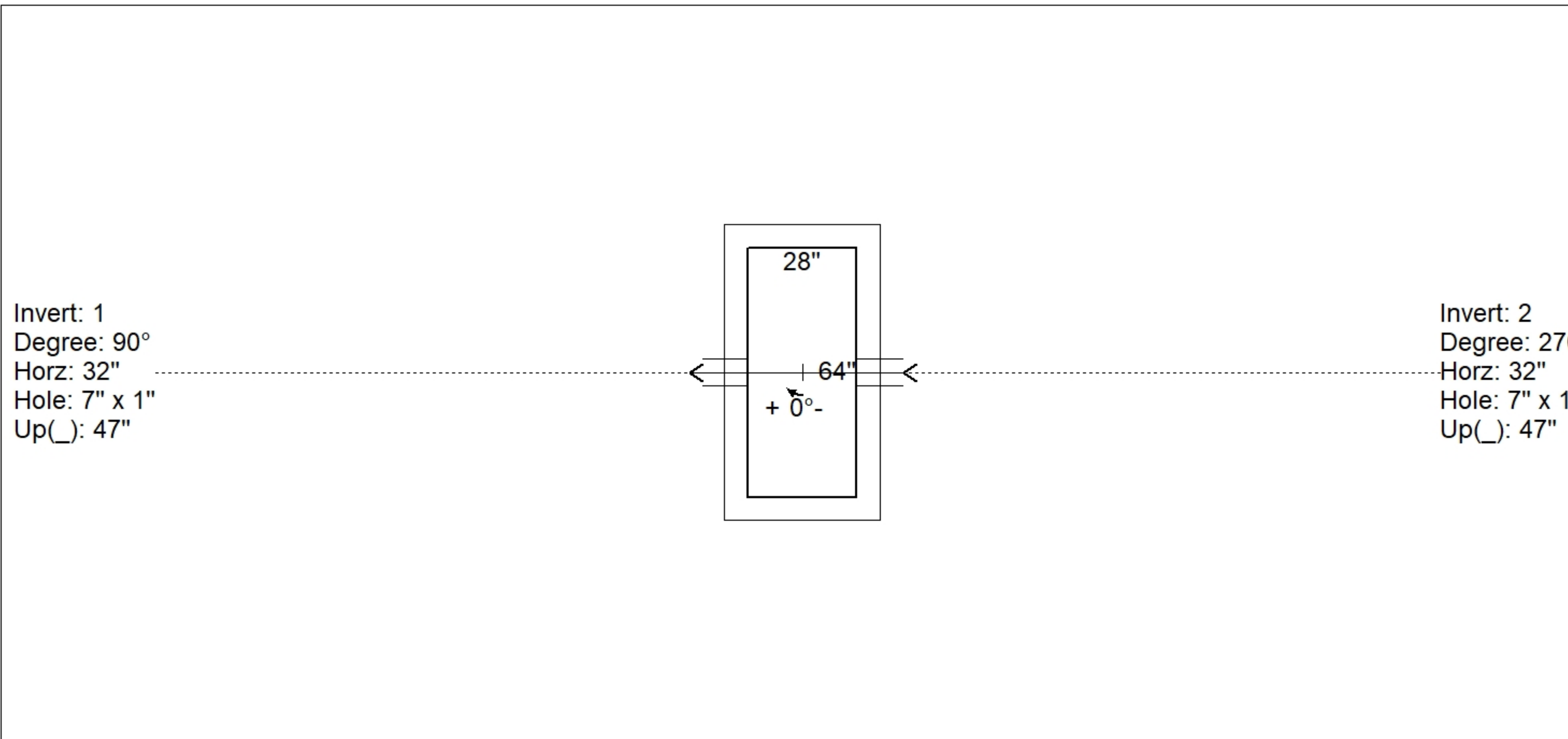
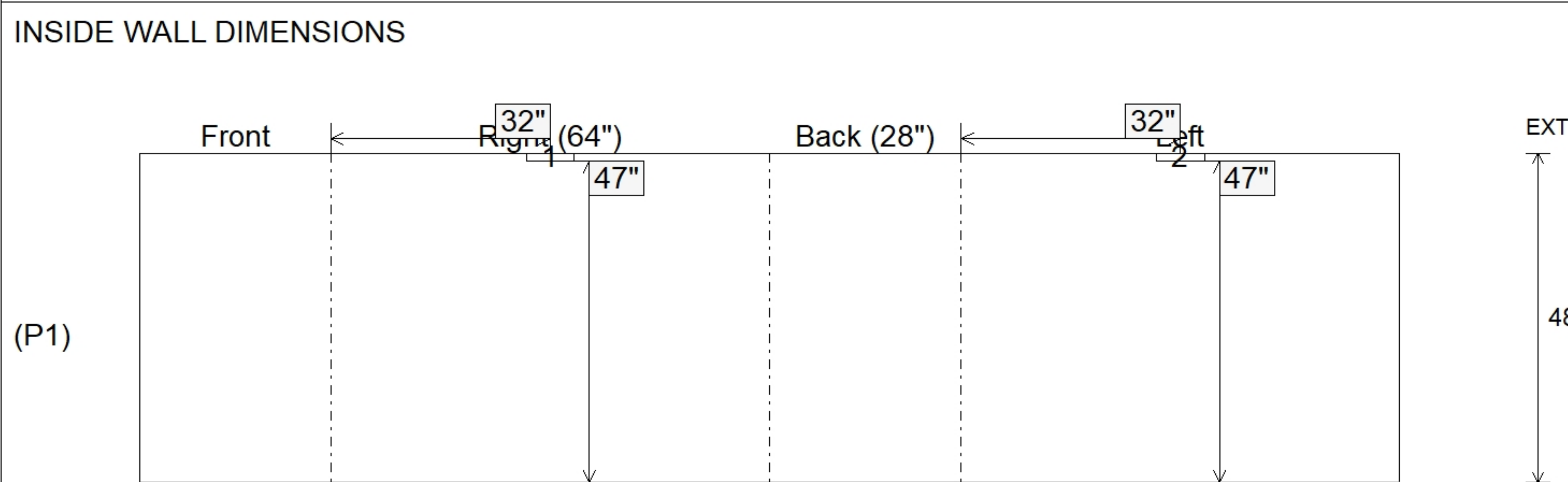
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Base
Walls:
#5@6" OC EW
Lid:
#5@8" OC EW T&B

CONCRETE MIX DESIGN:
5,000 PSI @ 28 DAYS
XYPEX RED ADMIXTURE

CARBOLINE 300M COATING, TWO COATS:
ALL INTERIOR WALLS
BOTTOM OF TOP SLAB IN WET WELL AREA
BOTTOM OF COMBO SECTION IN WET WELL AREA

Job Name: 25-2284C Parks at Cane Ridge Ph.2B Job Location: Antioch, TN Contractor: Josh King Excavating					Plant: Beaver Dam 7/21/2026 8:41:52 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: E4.2											
P1		BX28640606-VH			BOX RISER 6inW, Variable Ht F/F						
P1) 28" x 64" - BOX RISER 6inW, Variable Ht F/F - 48" 1) CASTING - JBS 3108 LINTLE BAR 2) LINTEL BAR SLOT n/n - 7"x1"					5020 lb 100 lb 0 lb ----- Structure Total: 5120 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. JBS 3108 LINTEL BAR BY ICAST. . REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W.				
Rim: 4'		Rim to Invert: 0.083'		Slack: 0"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	3.917'	90°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	47"	0"	
Invert 2	3.917'	270°	38"	7" x 1" LINTEL BAR SLOT	7" x 1"	LINTEL BAR SLOT 7"x1"	7" x 1"	7"	47"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
(P1) << Invert: 1 Degree: 90° Horz: 32" Hole: 7" x 1" Up(): 47"  Invert: 2 Degree: 270° Horz: 32" Hole: 7" x 1" Up(): 47"											
INSIDE WALL DIMENSIONS											
(P1) 											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 48" Height (Ext): 48"		Weight (Net): 5020 lb Volume (Net): 1.28cu.yd	

Job Name: 26-2884 - Toyota Boshoku Parking Lot
Job Location: Lebanon, KY 40033
Contractor: McCain Bros Excavating LLC

Plant: 100

7/21/2026 11:13:12 AM

Tech: Jared - F
PC: M. Sullivan



Structure ID: KY-S-7 MHA

P2 BX024024-08LD08

CB FLAT TOP 8"W SOLID

- P2) 24" x 24" - CB FLAT TOP 8"W SOLID - 8"
P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 21"
1) 24" x 24" - Conseal CS-102 1.00"
1) DOGHOUSE INVRTD - 24"x22"
1) DOGHOUSE INVRTD - 20"x21"
1) Hole - 12

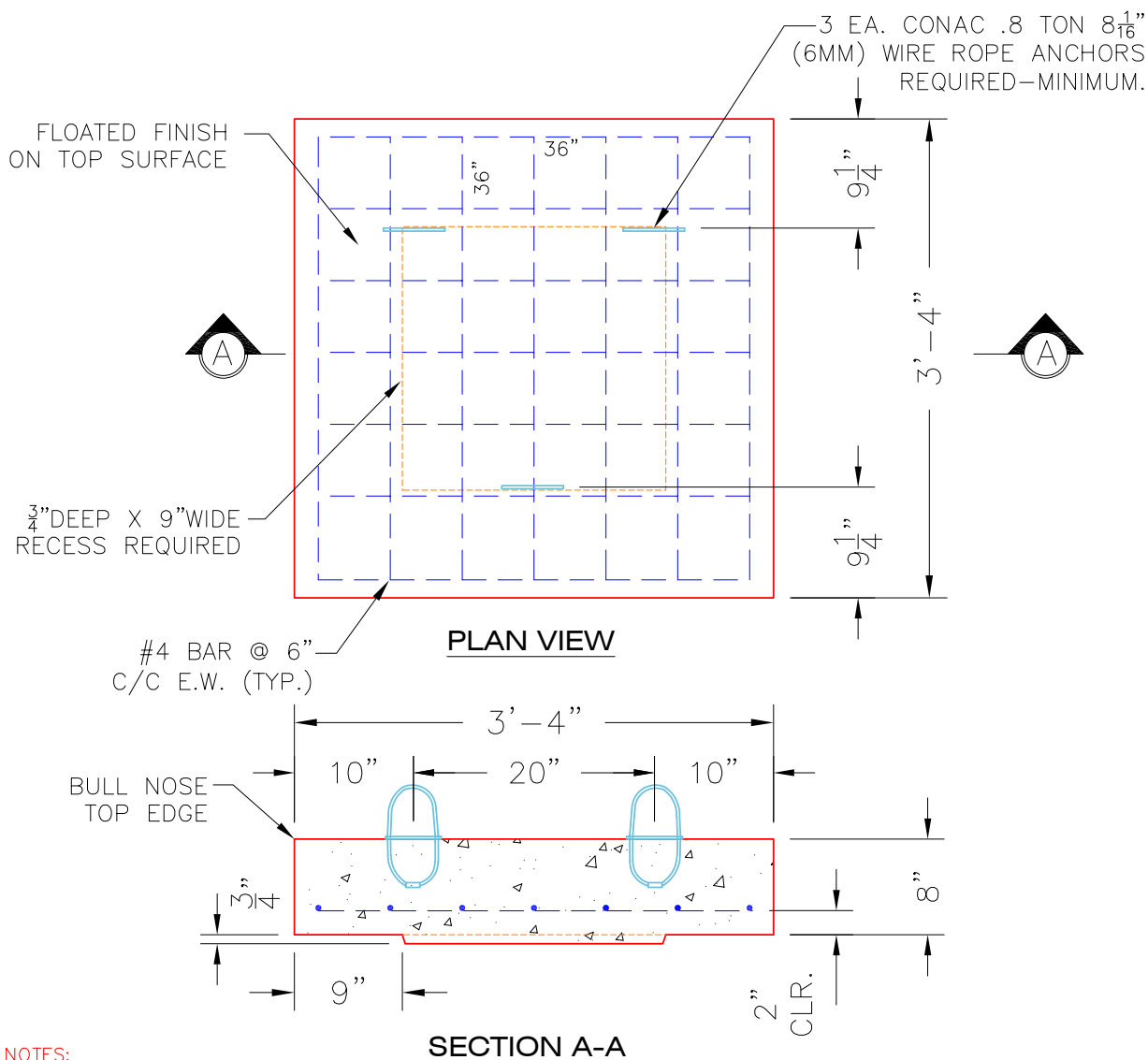
1074 lb
2295 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 3369 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. SOLID TOP SLAB - NO CASTING.

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



NOTES:

- CONCRETE: 4500 PSI @ 28 DAYS.
- MANUFACTURE TO KYTC SPECIFICATIONS.
- REINFORCING: #4 BAR @ 6" C/C E.W.-GRADE 60. (BOTTOM LAYER ONLY)
- 3 EA. CONAC WIRE LOOP LIFTERS REQUIRED.

#4 BAR CUT LIST
14 EA. @ 36"

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 1074 lb
Volume (Net): 0.27cu.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 7:35:36 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 200										
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 - 45" 1) CASTING - HOE KY-460-11 F/G (DBI 11) 1) 24" x 30" - Conseal CS-102 1.00" 1) Hole - 20						0 lb 5253 lb 421 lb 0 lb 0 lb Structure Total: 5674 lb		Structure Notes: ** KYTC STATE PROJECT ** STATION: 409+09 LT 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: 565.6' Rim to Invert: 4.09' Slack: 0.33' Sump: 0' Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	561.51'	270°	23"	15" HDPE	17.6"	Hole 20	20"	20"	-1.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 45" Height (Ext): 53"	Weight (Net): 5253 lb Volume (Net): 1.34cu.yd
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Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:28 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P12-P13											
P2 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 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					1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 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: 696'					Rim to Invert: 7'		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											

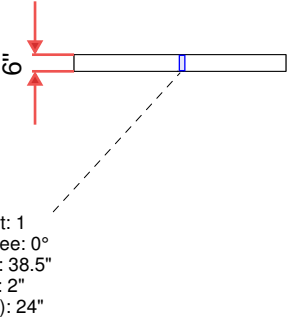
(P4)

(P3)

(P2) <<

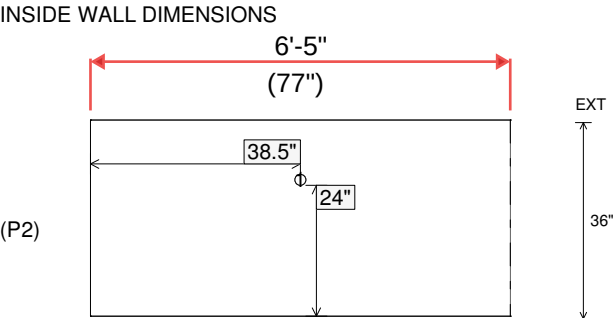
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RIGHT-SIDE UP VIEW (int. dimensions)

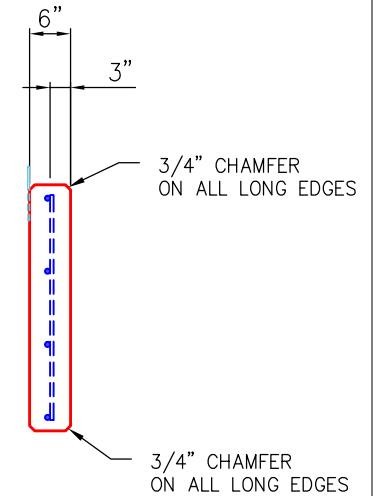
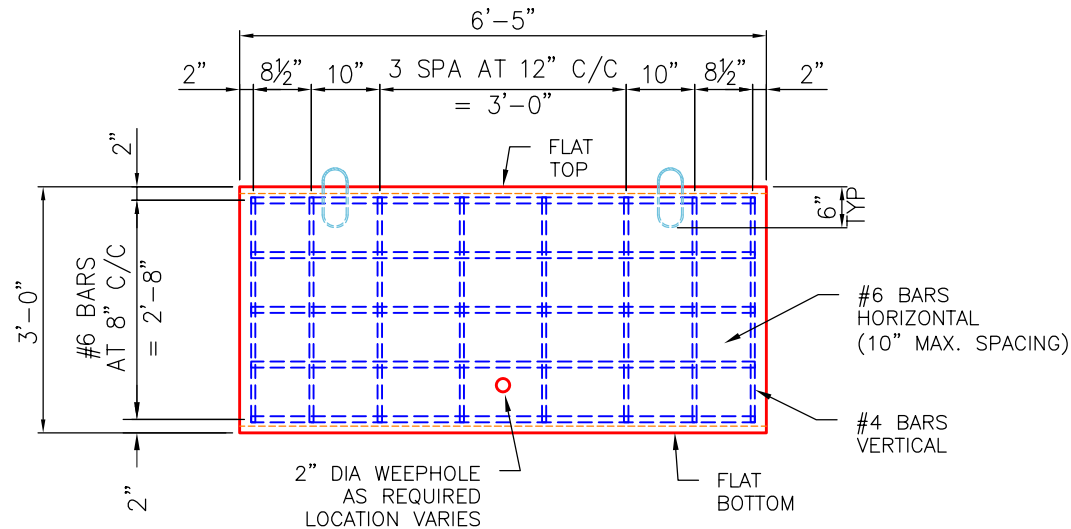
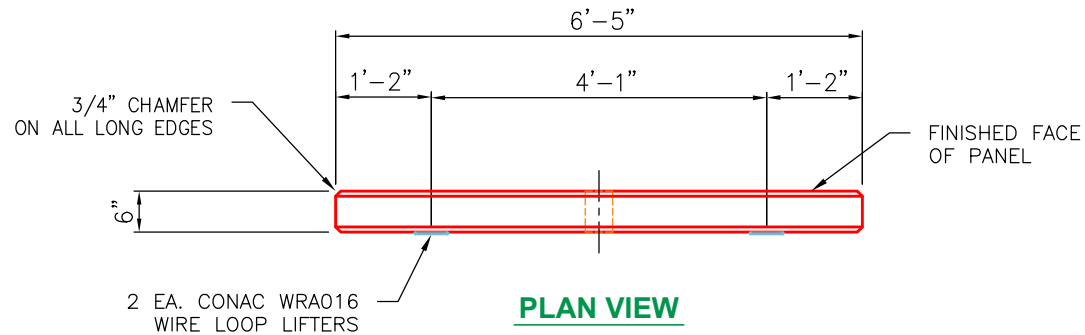


Note:
See attached typical drawing
for reinforcing and lifting details.

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 0" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 1398 lb Volume (Net): 0.36cu.yd
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GENERAL NOTES:

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

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

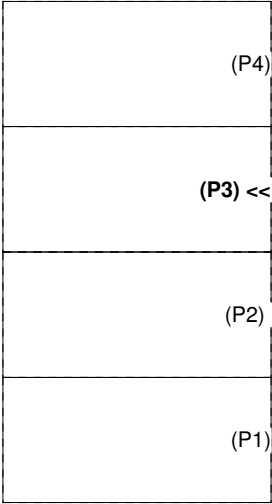
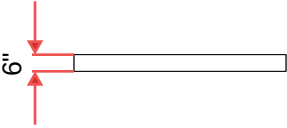
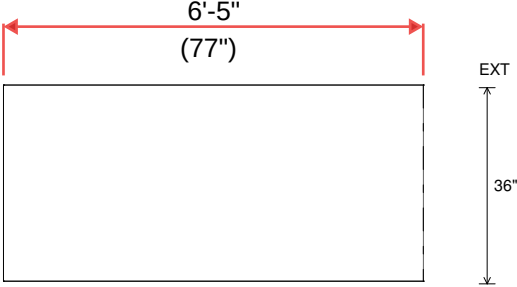
CHECK: B. SMITH

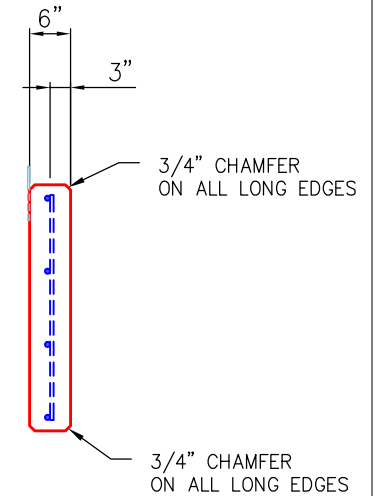
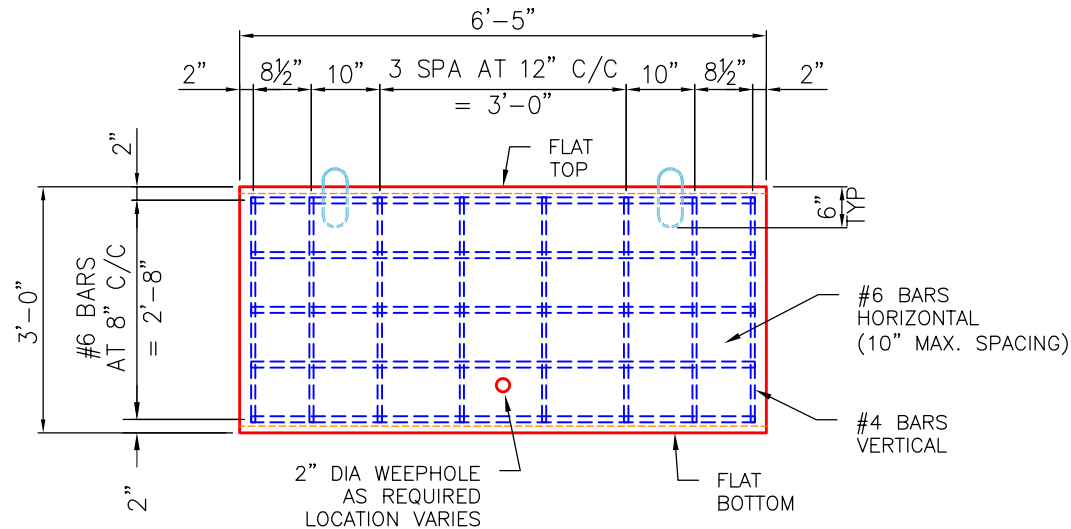
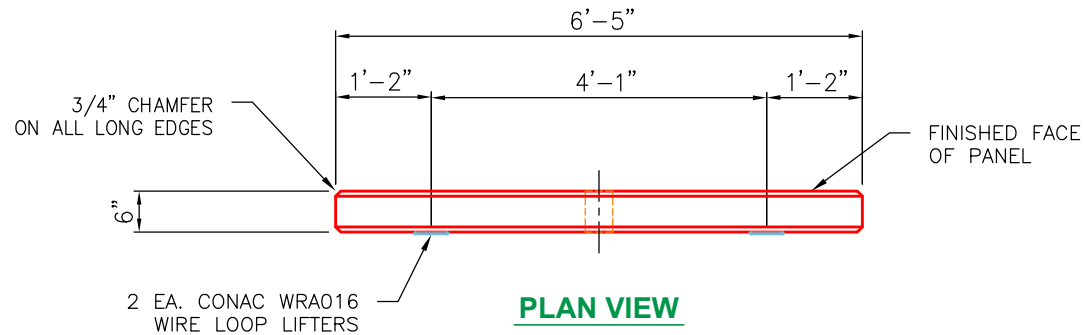
DRAWN BY: J. HORSLEY

DATE: 04/20/26

SCALE: NTS

PG. 1 of 1

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:23:28 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P12-P13											
P3 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 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						1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 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: 696'		Rim to Invert: 7'		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)											
		 Note: See attached typical drawing for reinforcing and lifting details.									
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 0" Floor Height: 0"		Height (Int): 36" Height (Ext): 36"		Weight (Net): 1398 lb Volume (Net): 0.36cu.yd	



GENERAL NOTES:

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

SIDE VIEW

END VIEW

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

Job Name: 26-1333 - Mitchell Hill Road Project

Job Location: Louisville, KY 40118

Contractor: Hall Contracting of Kentucky Inc

Plant: 100

6/16/2026 1:23:28 PM

Tech: J. Horsley

PC: J. Jarvis



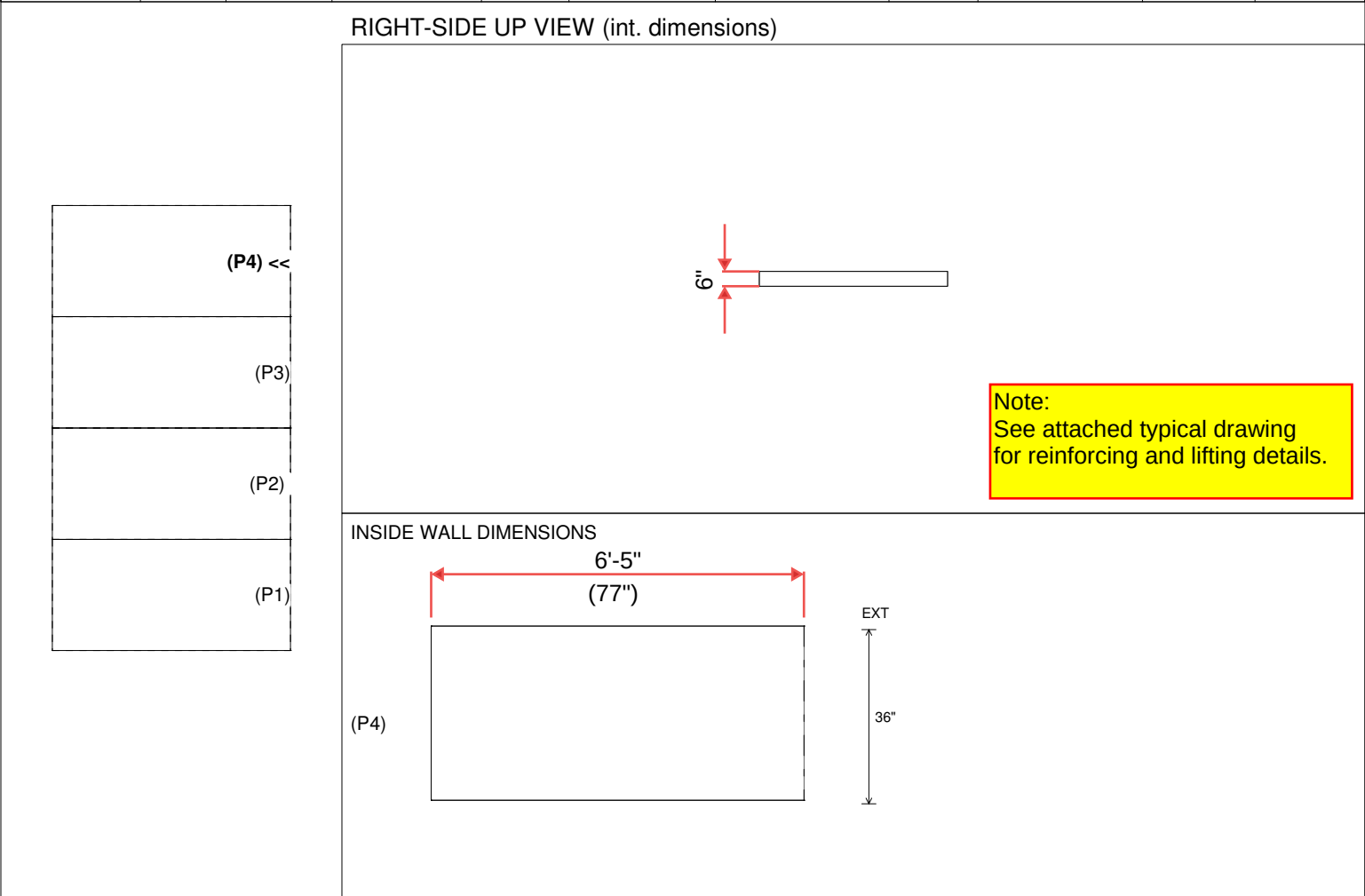
Structure ID: WALL P12-P13

P4 CUSTOM WALL

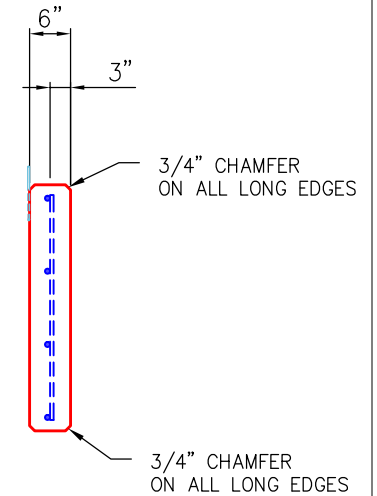
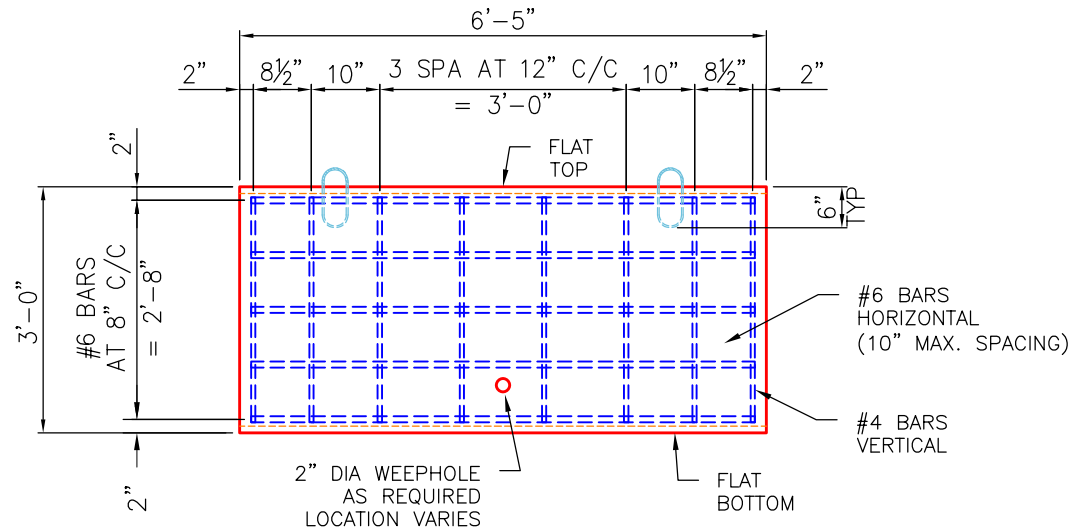
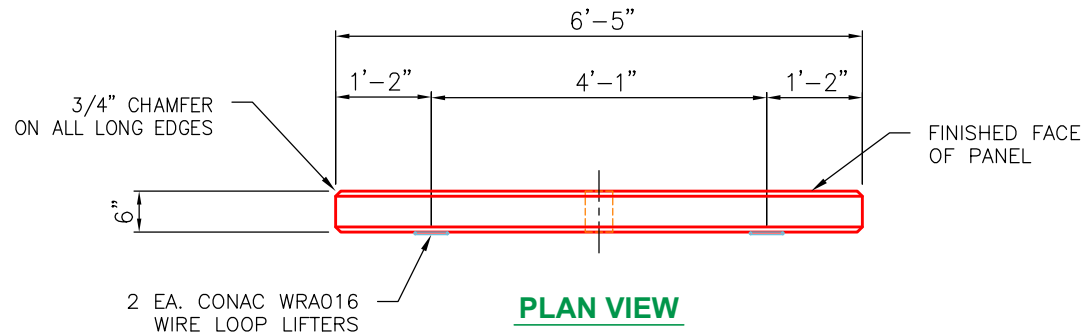
WALL PANEL 6" THICK F/F

P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG	1398 lb	Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)
P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG	1398 lb	
P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG	1398 lb	
P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG	1398 lb	
1) Hole - 2	0 lb	
Structure Total: 5591 lb		
Rim: 696' Rim to Invert: 7' 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										



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 0" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 1398 lb Volume (Net): 0.36cu.yd
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GENERAL NOTES:

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

SIDE VIEW

END VIEW

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

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

Plant: 100

6/12/2026 3:12:25 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 60

P3 BX024030-08LD08-15X27

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

P4) 15" x 27" - P.I.P. - BY OTHERS - 8"
P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8"
P2) 24" x 30" - BOX RISER 8inW F/G - 18"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 38"
2) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 24
1) Hole - 20
2) Hole - 4

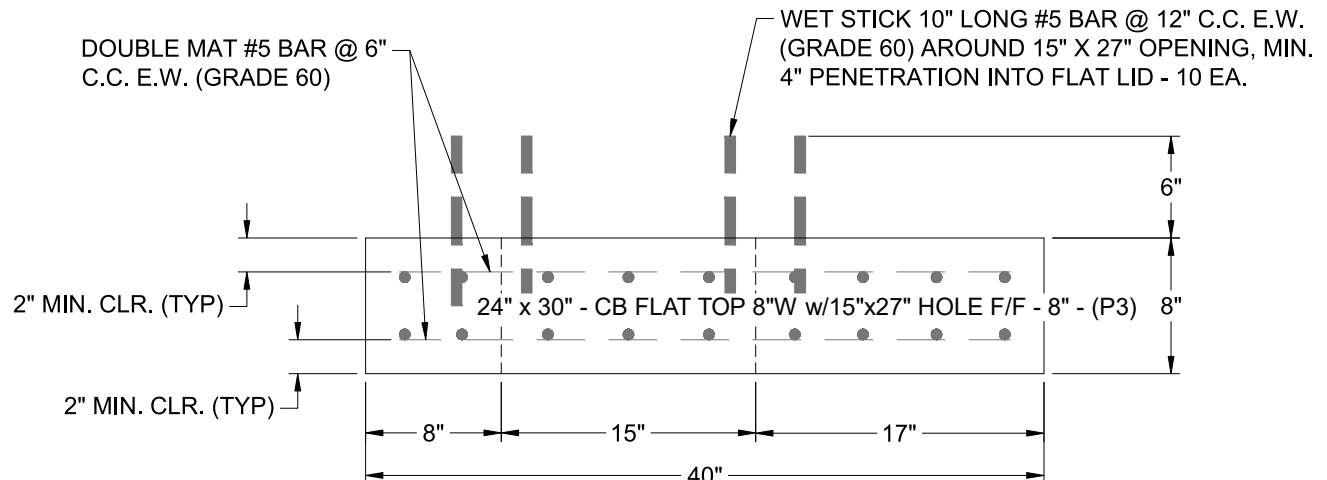
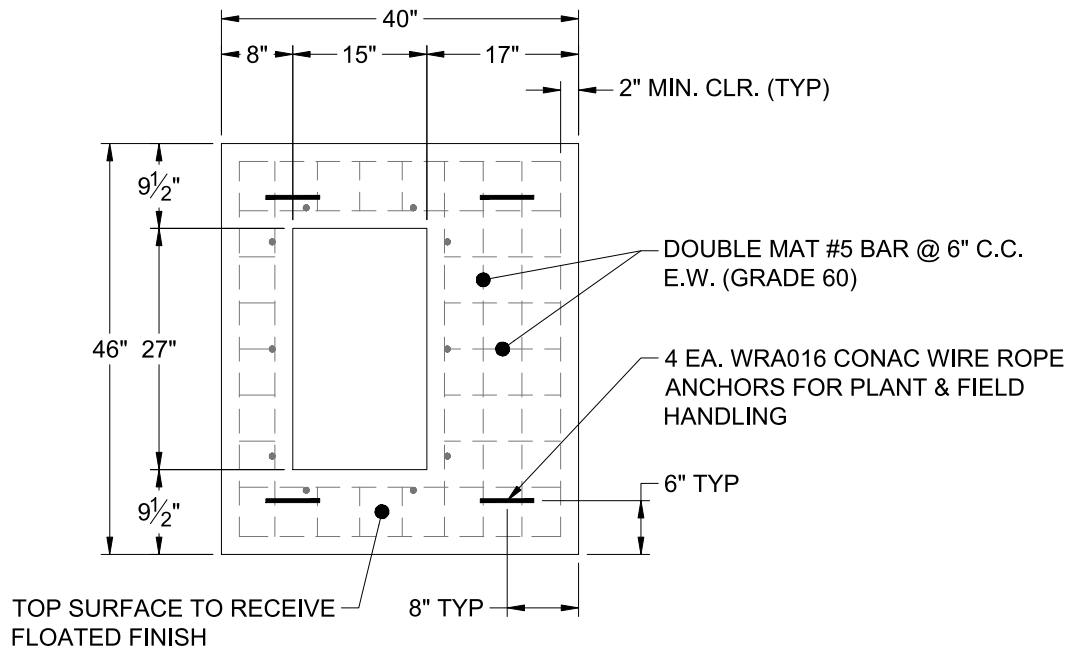
0 lb
963 lb
1675 lb
4140 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 6778 lb

Structure Notes:

** KYTC STATE PROJECT **

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

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

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2
Job Location: London, KY
Contractor: Endesol, Inc.

Plant: Beaver Dam

6/4/2026 10:57:13 AM

Tech: S. Felletter

PC: E. Bradley



Structure ID: Lift Station

P4 CTS-X

Combined Lift Station Top Slab Custom w/Xypex

- P5) 36" x 36" - CASTING HEIGHT - 0"
P4) 72" - Combined Lift Station Top Slab Custom w/Xypex - 12"
P3) 72" - Combined Lift Station Walls/Floor w/XYPEX - 71"
P2) 72" - MH RISER w/XYPEX - 48.625"
P1) 72" - MH BASE SQ EF Cust. Ht. 12'F (EF =102"SQ) w/ XYPEX - 72"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) This Structure Includes a Cast-in Item
1) SECONDARY POUR - EXT. SLAB
1) SECONDARY POUR - WALLS FOR VAULT SECT.
1) SECONDARY POUR - VAULT EXTENSION
1) ASSEMBLY REQUIRED
1) HATCH (Alum.) - HALLIDAY W1R 34"x52"
1) HATCH (Alum.) - HALLIDAY W1R 36"x36"
1) 72" - DBL 1"x14.5' Butyl (2x)
1) 72" - Conseal CS-231 1.00" (Double)
1) 36" x 36" - Conseal CS-231 1.00" (Double)
1) Hole - 8
1) PSX - 12-08 NYLO

0 lb
8108 lb
29399 lb
6931 lb
20973 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
46 lb
46 lb
0 lb
0 lb
0 lb
0 lb
0 lb
8 lb
0 lb
0 lb

Structure Notes:

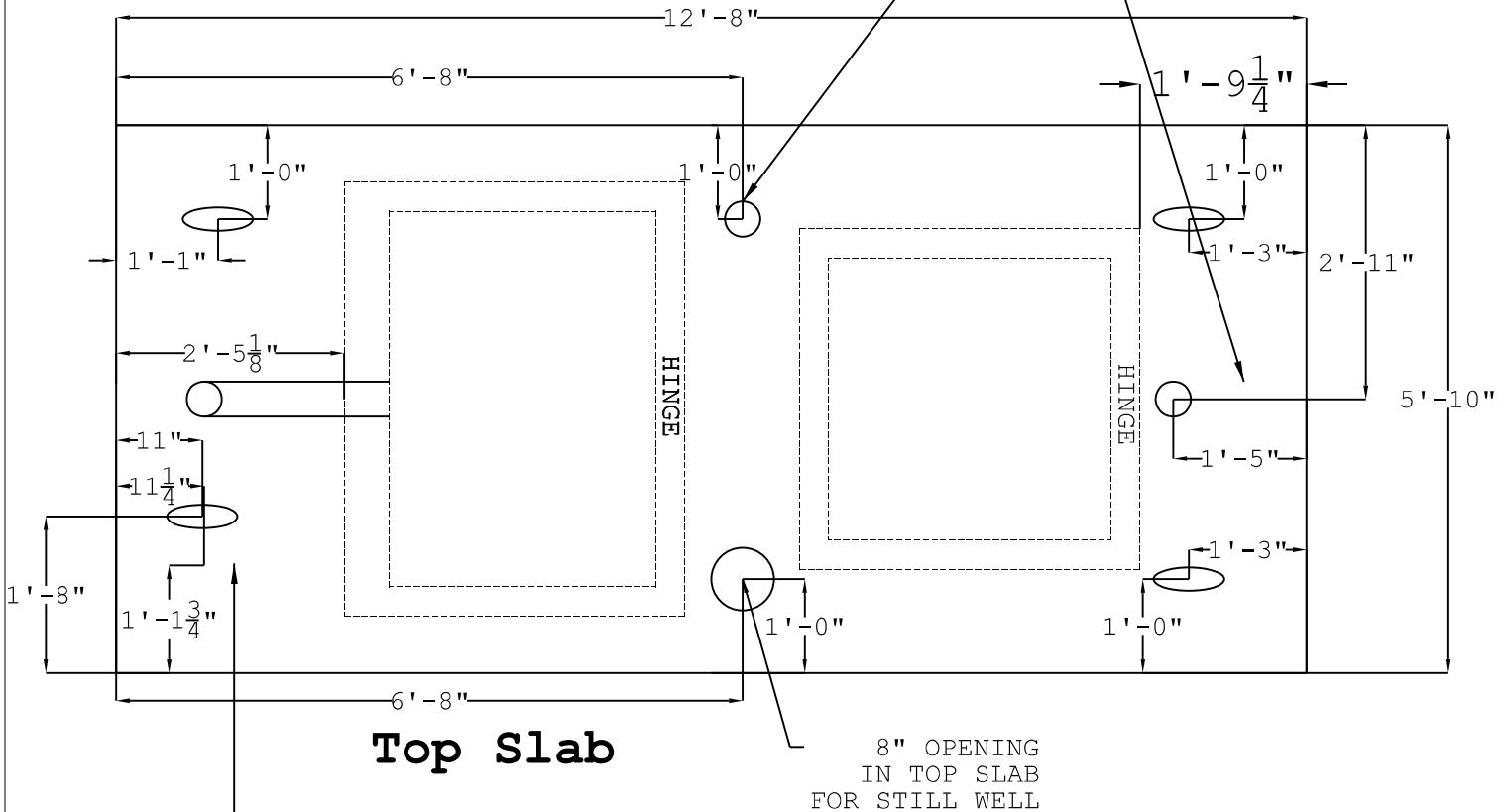
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .31) #5 BARS AT 8" C.C.E.W.
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

346.82 SqFt) Carboline Bitumastic 300M [INT]
488.26 SqFt) Carboline Bitumastic 300M [EXT]

Structure Total:

65511 lb

4" X 12"
SS NIPPLE
FOR 4" VENT
CAST IN



3.5" CONDUIT
& BEND TO
JUNCTION BOX

CONCRETE MIX DESIGN:
5,000 PSI @ 28 DAYS
XYPEX RED ADMIXTURE

CARBOLINE 300M COATING, TWO COATS:
ALL INTERIOR WALLS
BOTTOM OF TOP SLAB IN WET WELL AREA
BOTTOM OF COMBO SECTION IN WET WELL AREA

Lid:
#5@8" OC EW T&B

Coating (Int): Carboline Bitumastic 300M
Coating (Ext): Carboline Bitumastic 300M

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 7"

Height (Ext): 12"

Weight (Net): 8108 lb
Volume (Net): 2.07cu.yd