

Job Name: 25-4665 - Buckhorn WTP

Job Location: Hazard, KY

Contractor: Smith Contractors, Inc.

Plant: 100

4/9/2026 3:44:43 PM

Tech: J. Horsley

PC: E. Bradley



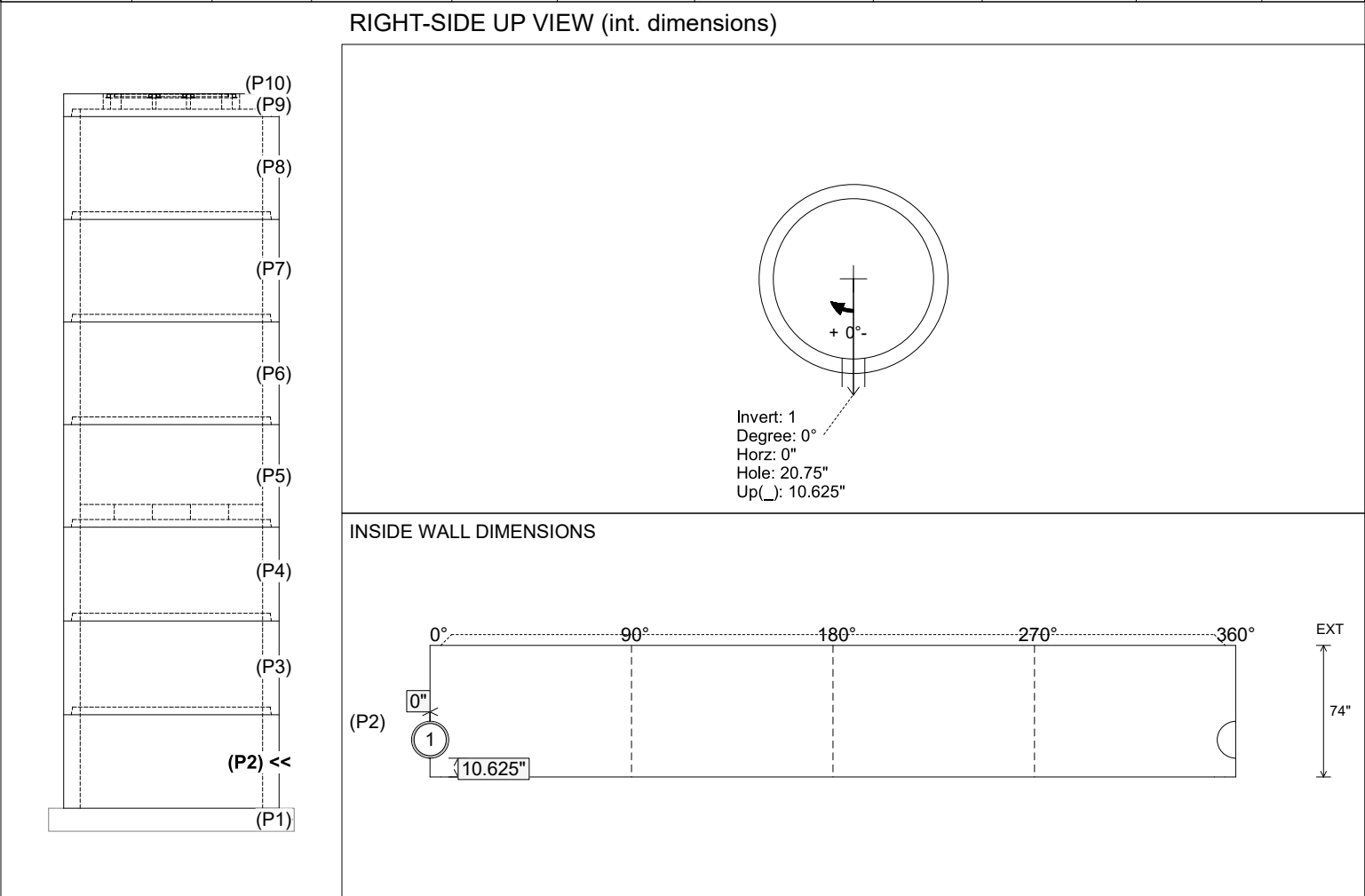
Structure ID: 54665 (4)

P2 MH144RSVF

MH RISER Custom Ht T/F

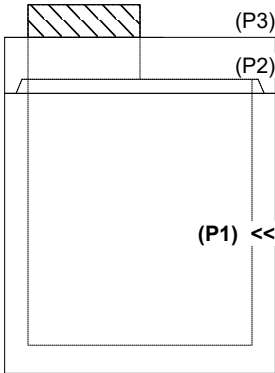
P10) 48" x 36" - HATCH (CAST FLUSH) - 0"	0 lb	Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. NO STEPS 5. 2 EA. HALLIDAY W1R 48" X 36" HATCHES & 1 EA. HALLIDAY W1R 30" X 30" HATCH SUPPLIED BY OTHERS - TO BE CAST INTO FLAT LID 6. LADDER SUPPLIED BY OTHERS 7. 4 EA. 3"W X 24"L STAINLESS STEEL STRAPS SUPPLIED BY ICAST
P9) 144" - MH FLAT TOP w/(2) 48"x36" & (1) 30"x30" Hatches F/G - 18"	19644 lb	
P8) 144" - MH RISER Custom Ht T/G - 81"	43581 lb	
P7) 144" - MH RISER Custom Ht T/G - 81"	43581 lb	
P6) 144" - MH RISER Custom Ht T/G - 81"	43581 lb	
P5) 144" - MH RISER Custom Ht T/G - 81"	43581 lb	
P4) 144" - MH RISER Custom Ht T/G - 74"	39815 lb	
P3) 144" - MH RISER Custom Ht T/G - 74"	39815 lb	
P2) 144" - MH RISER Custom Ht T/F - 74"	39445 lb	
P1) 144" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"	0 lb	
7) JOINT WRAP - 12" WD x 144" MAC WRAP	0 lb	Structure Total: 326544 lb
1) SECONDARY POUR - Intermediate Slab (In Riser P5)	13500 lb	
1) This Structure Includes a Cast-in Item - Hatches (Supplied by Others)	0 lb	
4) Stainless Steel Strap - 3"W x 24"L Stainless Steel Strap	0 lb	
8) 144" - Conseal CS-231 1.00" (Double)	0 lb	
1) A-Lok - 0630	1 lb	

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	709'	0°	0"	18" DI	19.5"	A-Lok 0630	20.75"	20.822"	10.625"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 13" Floor Height: 0"	Height (Int): 74" Height (Ext): 74"	Weight (Net): 39445 lb Volume (Net): 10.07cu.yd
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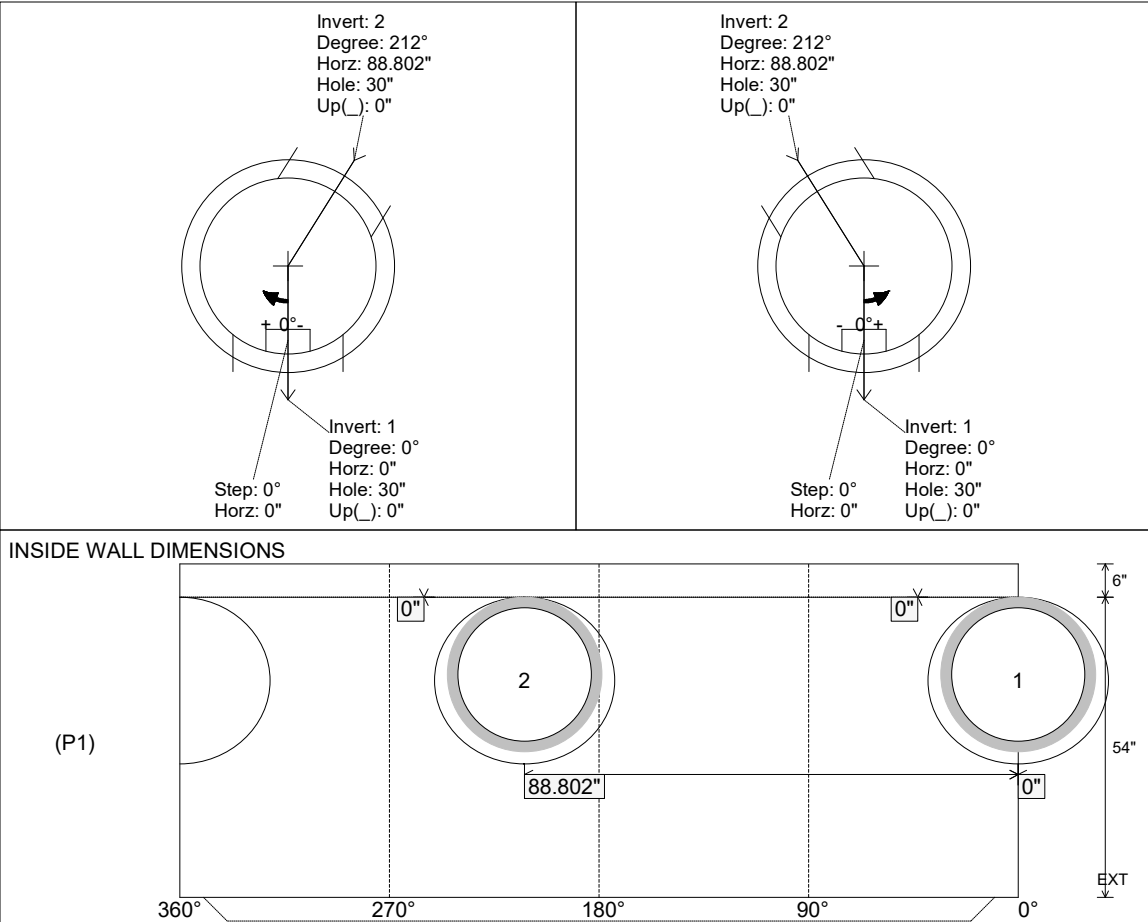
Job Name: 23-2309 - Richland Estates Subdivision Job Location: Portland, TN Contractor: Core & Main LP (BG)					Plant: 100 6/30/2026 8:52:04 AM		Tech: J. Horsley PC: T. Lewis				
Structure ID: 02 ST-JB											
P1 MH048BA54			MH BASE								
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole - 12" P1) 48" - MH BASE - 54" 1) 48" - Conseal CS-102 1.00" 2) Hole - 30 4) MH Step ML-10-TDS-NCR - 10"						0 lb 1561 lb 4309 lb 0 lb 0 lb 0 lb ----- Structure Total: 5870 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY OTHERS (JBS 1150 F/C). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 803.44' Rim to Invert: 6.2' Slack: 3.3" Sump: 1.9" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	797.24'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	0"	0"	
Invert 2	797.24'	212°	107.303"	24" HDPE	27.8"	Hole 30	30"	32.406", 18.701"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

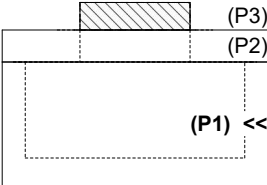
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 54" Height (Ext): 60"	Weight (Net): 4309 lb Volume (Net): 1.1cu.yd
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Job Name: 26-2104 - Jeffersonville High School Parking Lot Job Location: Jeffersonville, IN Contractor: Mac Construction & Excavating, Inc.					Plant: 100 6/27/2026 7:12:46 PM		Tech: Jared - A PC: T. Lewis				
Structure ID: 23 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht F/n									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/F - 7" P1) 48" - MH BASE Custom Ht F/n - 21" 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 18					0 lb 1044 lb 2509 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 3553 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STORM INVERT BY OTHERS 5. NO STEPS 6. HOE 525 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS				
Rim: 482.55' Rim to Invert: 2.67' Slack: 0.04" Sump: 2" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	479.88'	0°	0"	12" RCP B WALL	16"	Hole 18	18"	18.451", 10.047"	0"	0"	
Invert 2	479.88'	128°	64.75"	12" RCP B WALL	16"	Hole 18	18"	18.451"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

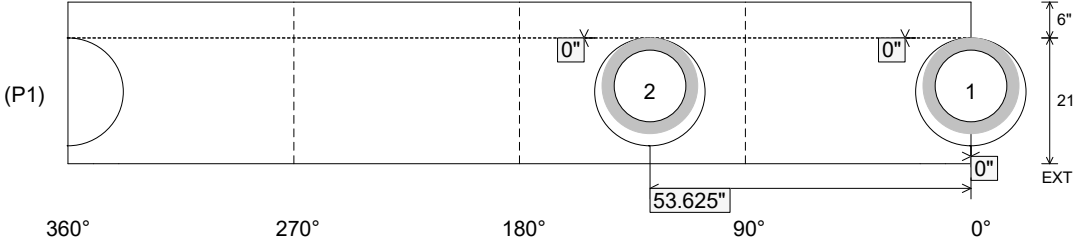
UPSIDE-DOWN VIEW (int. dimenions)

INVERT DATA

Invert: 2
Degree: 128°
Horz: 53.625"
Hole: 18"
Up(): 0"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 18"
Up(): 0"

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 21" Height (Ext): 27"	Weight (Net): 2509 lb Volume (Net): 0.64cu.yd
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Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC				Plant: 100 6/22/2026 6:25:18 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: AR SS-ARV										
P2		MH048DHVF		MH DH RISER Custom Ht T/F						
P4) 24" - CASTING HEIGHT - 7" P3) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P2) 48" - MH DH RISER Custom Ht T/F - 45" P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0" 1) CASTING - HOE MC-375 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) DOGHOUSE - 8"x10" 4) MH Step ML-10-TDS-NCR - 10"				0 lb 1561 lb 3077 lb 0 lb 271 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4909 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 90 DEGREES 5. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Rim: 538'		Rim to Invert: 5'		Slack: 0"		Sump: 4"		Step Position: 90°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	533'	0°	0"	4" PVC SDR21	4.375"	DOGHOUSE 8"x10"	8" x 10"	8.038"	1"	0"
Invert 2	533'	180°	91.125"	4" PVC SDR21	4.375"	DOGHOUSE 8"x10"	8" x 10"	8.038"	1"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 8" x 10"
Up(): 1"

Step: 90°
Horz: 37.75"

+ 0°-

Invert: 1
Degree: 0°
Horz: 0"
Hole: 8" x 10"
Up(): 1"

INSIDE WALL DIMENSIONS

0°90°180°270°360°EXT

(P2)

75.375"

0"

0"

45"

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 5" Floor Height: 0"	Height (Int): 45" Height (Ext): 45"	Weight (Net): 3077 lb Volume (Net): 0.79cu.yd
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Job Name: 26-2080 - The Cumberland

Job Location: Bowling Green, KY

Contractor: J & J Concrete & Excavating, LLC

Plant: 100

6/22/2026 6:23:34 PM

Tech: Jared - A

PC: E. Bradley



Structure ID: C1 SS-MH

P1 MH048BA24

MH BASE T/n

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - ECC CONE w/ 24" HOLE F/G - 30"

P1) 48" - MH BASE T/n - 24"

1) JOINT WRAP - 12" WD x 048" MAC WRAP

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

1) A-Lok - 0285

2) A-Lok - 0200

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

0 lb

2050 lb

2943 lb

0 lb

1440 lb

271 lb

0 lb

0 lb

1 lb

2 lb

0 lb

Structure Total: 6707 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. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 530.91'

Rim to Invert: 5.1'

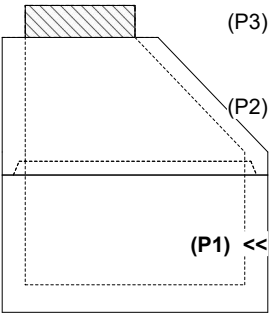
Slack: 2.2"

Sump: 2"

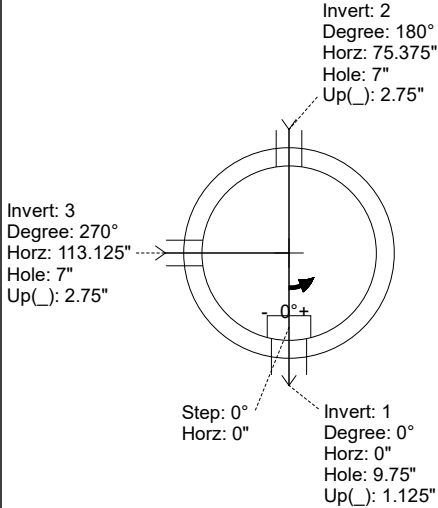
Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	525.81'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	525.91'	180°	91.125"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.75"	0"
Invert 3	525.91'	270°	136.625"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.75"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

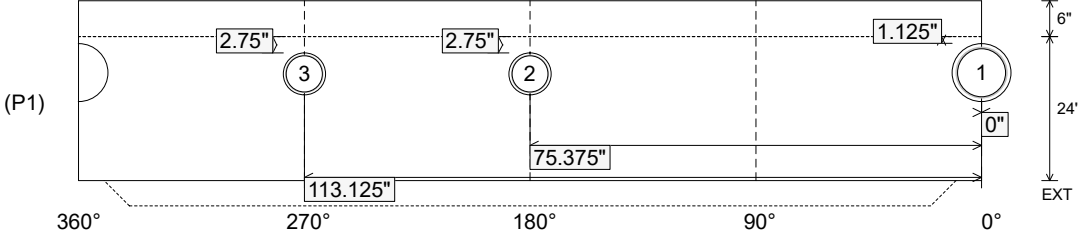
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 24"

Height (Ext): 30"

Weight (Net): 2943 lb

Volume (Net): 0.75cu.yd

Job Name: 26-2080 - The Cumberland

Job Location: Bowling Green, KY

Contractor: J & J Concrete & Excavating, LLC

Plant: 100

6/22/2026 6:23:34 PM

Tech: Jared - A

PC: E. Bradley



Structure ID: C1 SS-MH

P1 MH048BA24

MH BASE T/n

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - ECC CONE w/ 24" HOLE F/G - 30"

P1) 48" - MH BASE T/n - 24"

1) JOINT WRAP - 12" WD x 048" MAC WRAP

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

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

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

1) A-Lok - 0285

2) A-Lok - 0200

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

0 lb

2050 lb

2943 lb

0 lb

1440 lb

271 lb

0 lb

0 lb

1 lb

2 lb

0 lb

Structure Total: 6707 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. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST

Rim: 530.91'

Rim to Invert: 5.1'

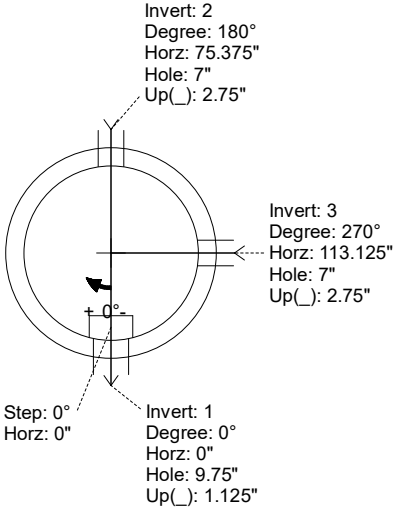
Slack: 2.2"

Sump: 2"

Step Position: 0°

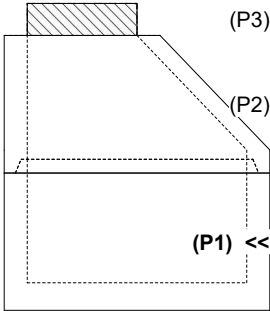
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (")	Offset
Invert 1	525.81'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	525.91'	180°	91.125"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.75"	0"
Invert 3	525.91'	270°	136.625"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	2.75"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

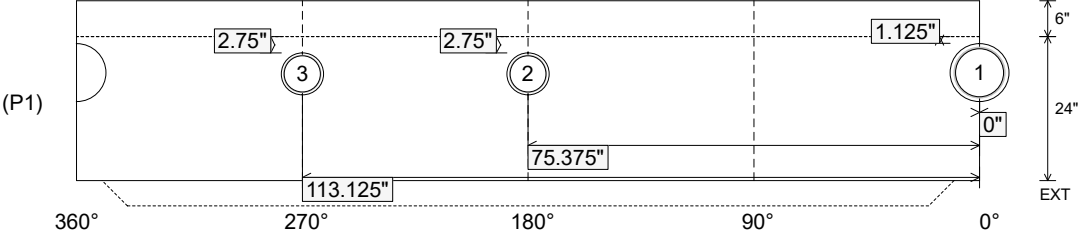


UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

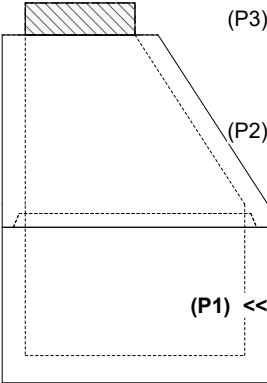
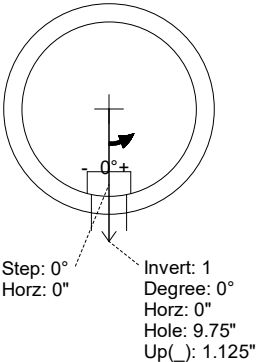
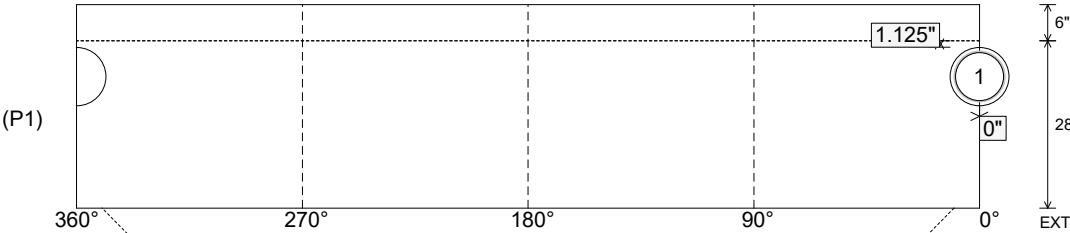
Floor Height: 6"

Height (Int): 24"

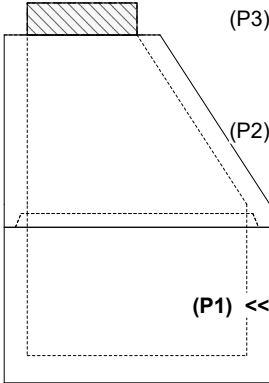
Height (Ext): 30"

Weight (Net): 2943 lb

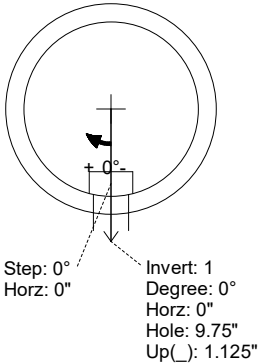
Volume (Net): 0.75cu.yd

Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:33 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: B3 SS-MH											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE Custom Ht T/n - 28" 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) A-Lok - 0285 5) MH Step ML-10-TDS-NCR - 10"					0 lb 3200 lb 3255 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 0 lb 1 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. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Structure Total:					8167 lb						
Rim: 536.35' Rim to Invert: 6.42' Slack: 2.04" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (°)	Offset	
Invert 1	529.93'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
UPSIDE-DOWN VIEW (int. dimenions)											
											
											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 28" Height (Ext): 34"		Weight (Net): 3255 lb Volume (Net): 0.83cu.yd		

Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:33 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: B3 SS-MH											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE Custom Ht T/n - 28" 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) A-Lok - 0285 5) MH Step ML-10-TDS-NCR - 10"					0 lb 3200 lb 3255 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 0 lb 1 lb 0 lb Structure Total: 8167 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. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Rim: 536.35' Rim to Invert: 6.42' Slack: 2.04' Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (°)	Offset	
Invert 1	529.93'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)



Step: 0°
Horz: 0"

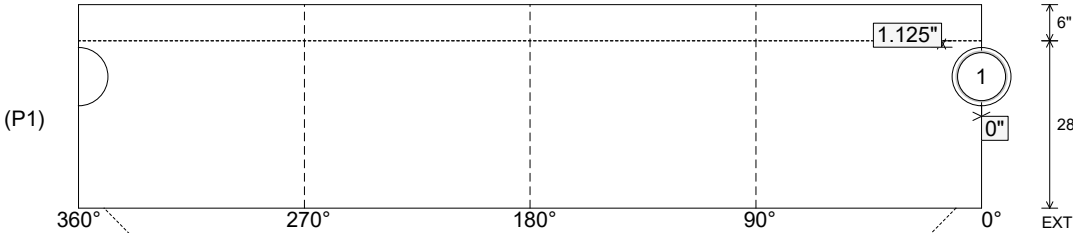
Invert: 1
Degree: 0°
Horz: 0"
Hole: 9.75"
Up(°): 1.125"

UPSIDE-DOWN VIEW (int. dimensions)

**INVERT CHANNEL
DRAWING**

**(0° TO 180° STRAIGHT
THROUGH)**

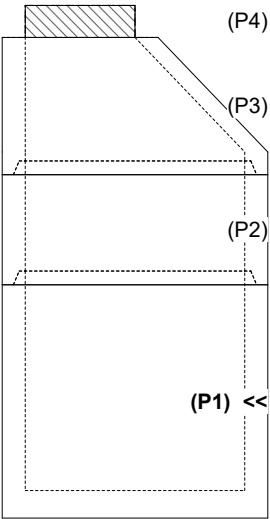
INSIDE WALL DIMENSIONS



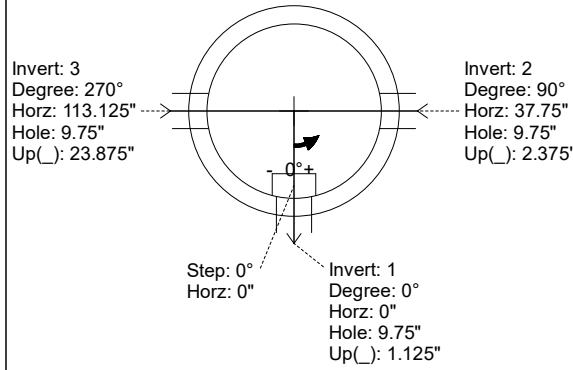
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 28" Height (Ext): 34"	Weight (Net): 3255 lb Volume (Net): 0.83cu.yd
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Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:33 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: B2 SS-MH											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE Custom Ht T/n - 45" 2) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) A-Lok - 0285 8) MH Step ML-10-TDS-NCR - 10"					0 lb 2050 lb 1677 lb 4379 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 0 lb 3 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. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST				
Structure Total: 9820 lb											
Rim: 533.35' Rim to Invert: 8.82' Slack: 1.84" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	524.53'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2	524.63'	90°	45.5"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"	
Invert 3	526.43'	270°	136.625"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	23.875"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

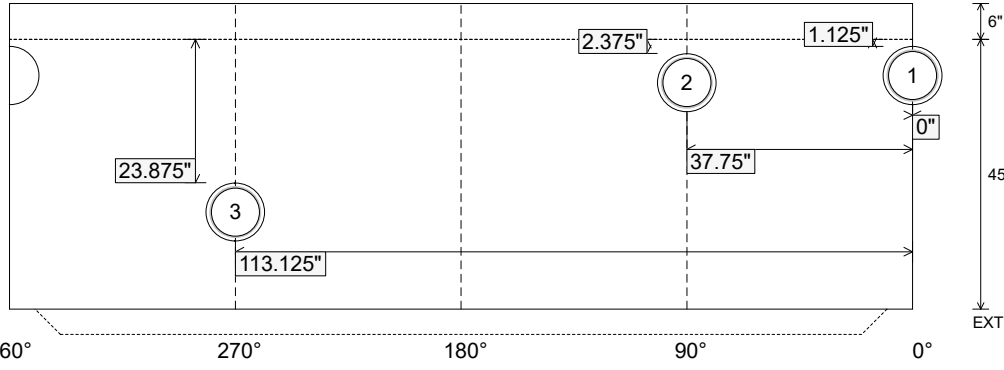
RIGHT-SIDE UP VIEW (int. dimensions)



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): 45" Height (Ext): 51"	Weight (Net): 4379 lb Volume (Net): 1.12cu.yd
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Job Name: 26-2080 - The Cumberland Job Location: Bowling Green, KY Contractor: J & J Concrete & Excavating, LLC					Plant: 100 6/22/2026 6:23:33 PM		Tech: Jared - A PC: E. Bradley				
Structure ID: B2 SS-MH											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE Custom Ht T/n - 45" 2) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 3) A-Lok - 0285 8) MH Step ML-10-TDS-NCR - 10"						0 lb 2050 lb 1677 lb 4379 lb 0 lb 1440 lb 271 lb 0 lb 0 lb 0 lb 3 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. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Rim: 533.35' Rim to Invert: 8.82' Slack: 1.84' Sump: 2' Step Position: 0°						Structure Total: 9820 lb					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	524.53'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"	
Invert 2	524.63'	90°	45.5"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.375"	0"	
Invert 3	526.43'	270°	136.625"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	23.875"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 90°
Horz: 37.75"
Hole: 9.75"
Up(): 2.375"

Invert: 3
Degree: 270°
Horz: 113.125"
Hole: 9.75"
Up(): 23.875"

Step: 0°
Horz: 0"

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

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL
DRAWING

INSIDE WALL DIMENSIONS

23.875"

113.125"

23.875"

37.75"

1.125"

2.375"

360°

270°

180°

90°

0°

6"

45"

EXT

Coating (Int):
Coating (Ext):

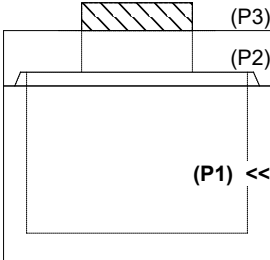
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

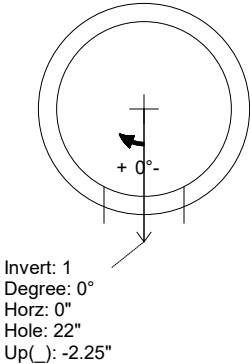
Height (Int): 45"
Height (Ext): 51"

Weight (Net): 4379 lb
Volume (Net): 1.12cu.yd

Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:28 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 67 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 32" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22"						0 lb 1300 lb 3401 lb 442 lb 0 lb 0 lb 0 lb ----- 5143 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. 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: 713.72' Rim to Invert: 4.2' Slack: 0.4" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	709.52'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

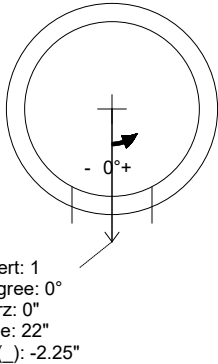


RIGHT-SIDE UP VIEW (int. dimensions)



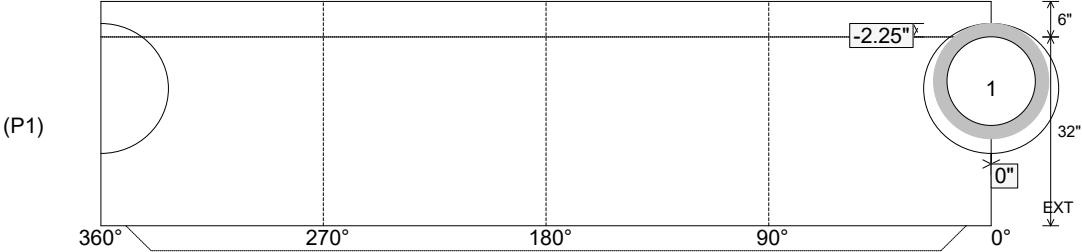
Invert: 1
Degree: 0°
Horz: 0"
Hole: 22"
Up(): -2.25"

UPSIDE-DOWN VIEW (int. dimenions)



Invert: 1
Degree: 0°
Horz: 0"
Hole: 22"
Up(): -2.25"

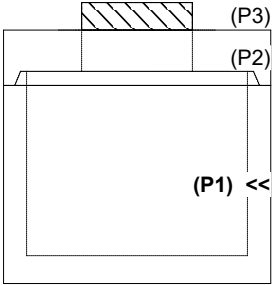
INSIDE WALL DIMENSIONS



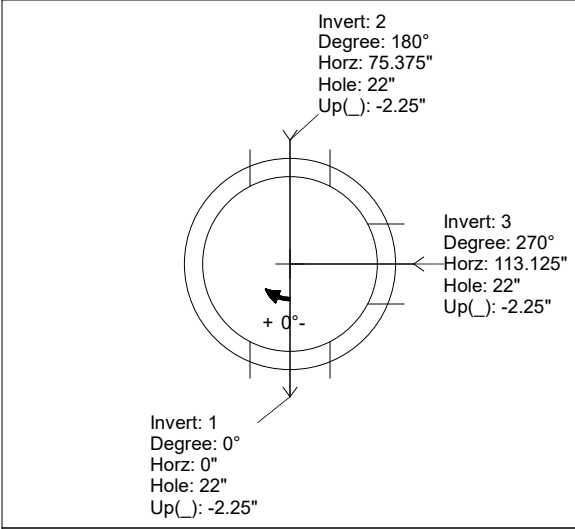
(P1)

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 32" Height (Ext): 38"	Weight (Net): 3401 lb Volume (Net): 0.87cu.yd
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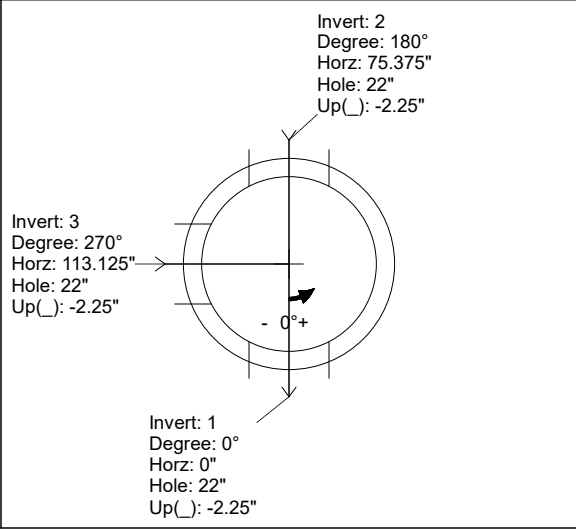
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:27 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 66 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 37" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 3) Hole - 22"						0 lb 1300 lb 3421 lb 442 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 5163 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. 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: 713.72' Rim to Invert: 4.66' Slack: 0.92" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	709.06'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 2	709.06'	180°	91.125"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 3	709.06'	270°	136.625"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



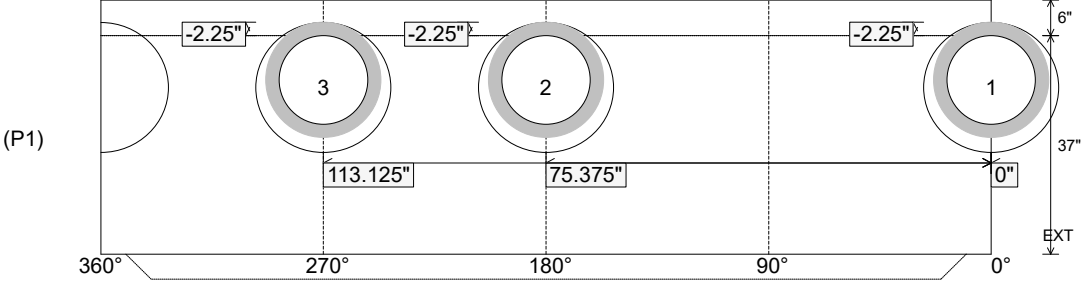
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

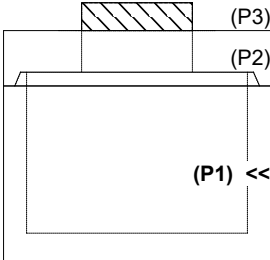


INSIDE WALL DIMENSIONS

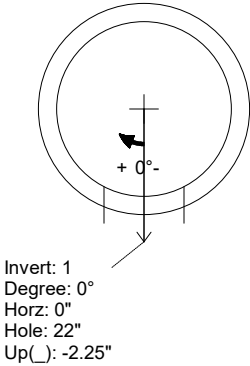


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 37" Height (Ext): 43"	Weight (Net): 3421 lb Volume (Net): 0.87cu.yd
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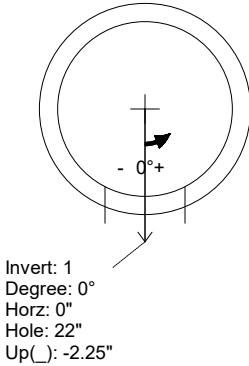
Job Name: 26-1899 - Gateway 65 Industrial Road Job Location: Franklin, KY Contractor: RD Sitework LLC					Plant: 100 6/4/2026 4:34:27 PM		Tech: Jared - F PC: E. Bardley				
Structure ID: 65 ST-CI											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" x 36" - CASTING HEIGHT - 6" P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 32" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22"						0 lb 1300 lb 3401 lb 442 lb 0 lb 0 lb 0 lb ----- 5143 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)). 5. CITY OF BGKY-CBI TYPE F. 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: 710.99' Rim to Invert: 4.2' Slack: 0.4" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	706.79'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



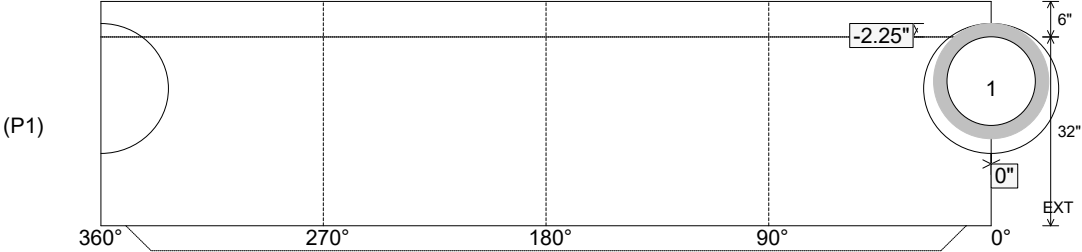
RIGHT-SIDE UP VIEW (int. dimensions)



Upside-Down View (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

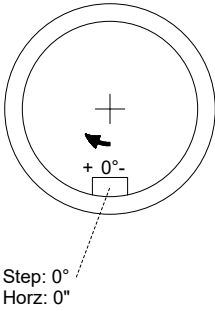
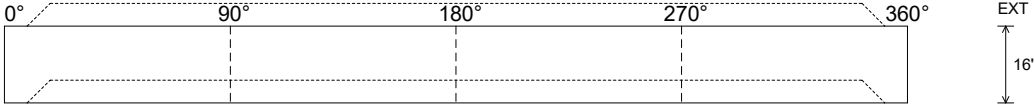
Wall Thickness: 5"
Floor Height: 6"

Height (Int): 32"
Height (Ext): 38"

Weight (Net): 3401 lb
Volume (Net): 0.87cu.yd



Weight (Net): 3353 lb
Volume (Net): 0.86cu.yd

Job Name: 24-3406F Southeast Municipal Complex Job Location: Franklin, TN Contractor: Hayes Pipe Supply					Plant: Beaver Dam 7/6/2026 4:09:33 PM		Tech: J. Horsley PC: E. Bradley				
Structure ID: CB-054B											
P1		MH060RSVF		MH RISER Custom Ht T/G							
P1) 60" - MH RISER Custom Ht T/G - 16" 1) 60" - Conseal CS-102 1.00"						1670 lb 0 lb ----- Structure Total: 1670 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. STEPS AT 0 DEGREES 5. NO OPENINGS - BLANK BASE			
Rim: 1.333'		Rim to Invert: 0'		Slack: 0"		Sump: 0"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
(P1)											
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 6" Floor Height: 0"		Height (Int): 16" Height (Ext): 16"		Weight (Net): 1670 lb Volume (Net): 0.43cu.yd	

Job Name: 25-4488 - WVDOT Wood Co NHPP-0068(192)
Job Location: Parkersburg, WV
Contractor: Triton Construction

Plant: 100

Tech: Jared - F

3/26/2026 1:44:56 PM

PC: E. Bradley

Structure ID: MH-07

P3 MH060LD13

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

- P4) 24" - CASTING HEIGHT - 8.85"
P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"
P2) 60" - MH RISER T/G - 24"
P1) 60" - MH BASE Custom Ht T/n - 59"
1) CASTING - NEENAH R-1785 (F/C)
2) 60" - Con Seal CS-102 1.00"
1) Hole - 40
1) Hole - 38
7) MH Step ML-10-TDS-NCR - 10"

Structure Total:

0 lb
2869 lb
2505 lb
7601 lb
294 lb
0 lb
0 lb
0 lb
0 lb
13269 lb

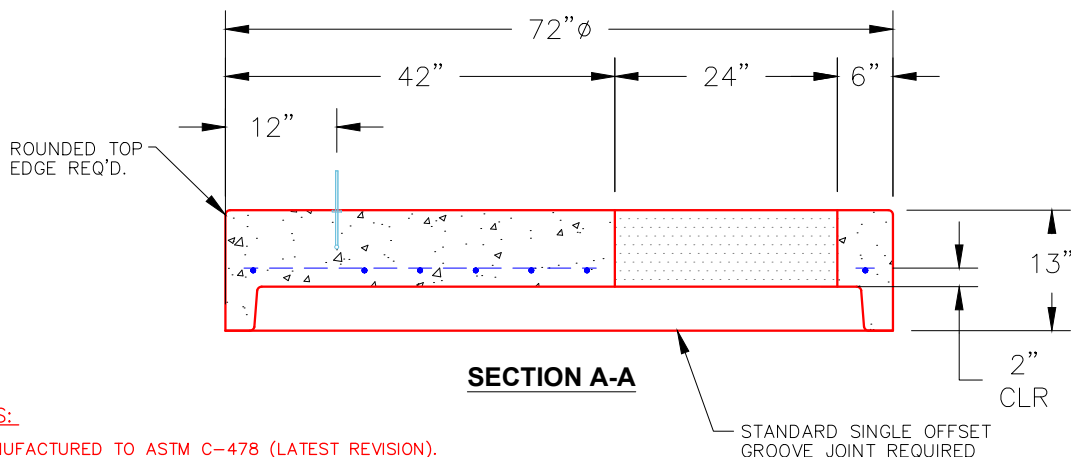
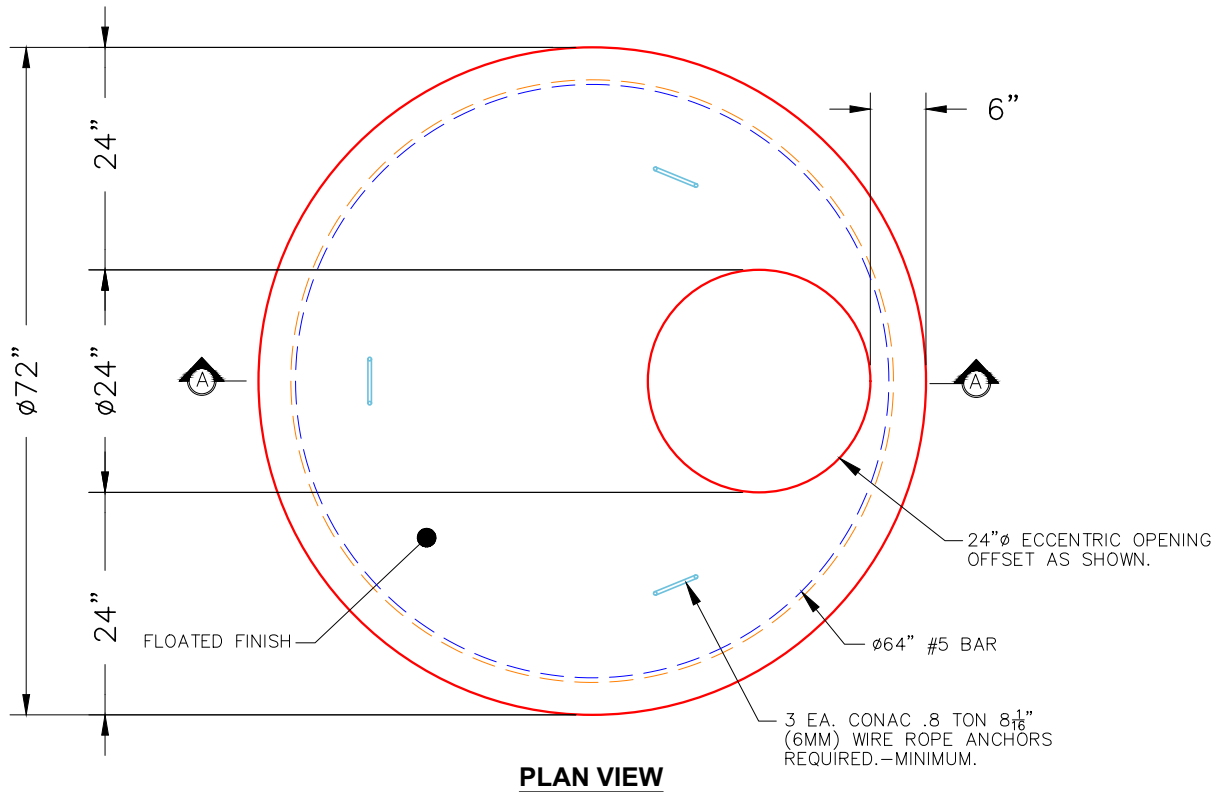
Structure Notes:

WVDOT STATE PROJECT

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

REINFORCING PER ASTM A615 (GRADE 60).

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



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

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

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

Plant: Beaver Dam
6/1/2026 8:22:57 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-23

P1 MH060BAVF

MH BASE Custom Ht

- P3) 28" x 34" - CASTING HEIGHT - 7"
P2) 60" - MH FLAT TOP - TDOT NO 12 (28"x34" Hole) - 10"
P1) 60" - MH BASE Custom Ht - 44"
1) CASTING - JBS-3123 MODIFIED SET
1) 60" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
1) Hole - 39
1) Hole - 32
1) Hole - 6

- Structure Notes:
1. PER TDOT D-CB-12RB / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 3123 MOD SINGLE SET BY ICAST
4. REINFORCING PER ASTM A615 (GRADE 60).
** PER TDOT STD DRAWING D-CB-12RB **
- TOP SLAB - DBL MAT #5 BARS.
- RISER (As .18)
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

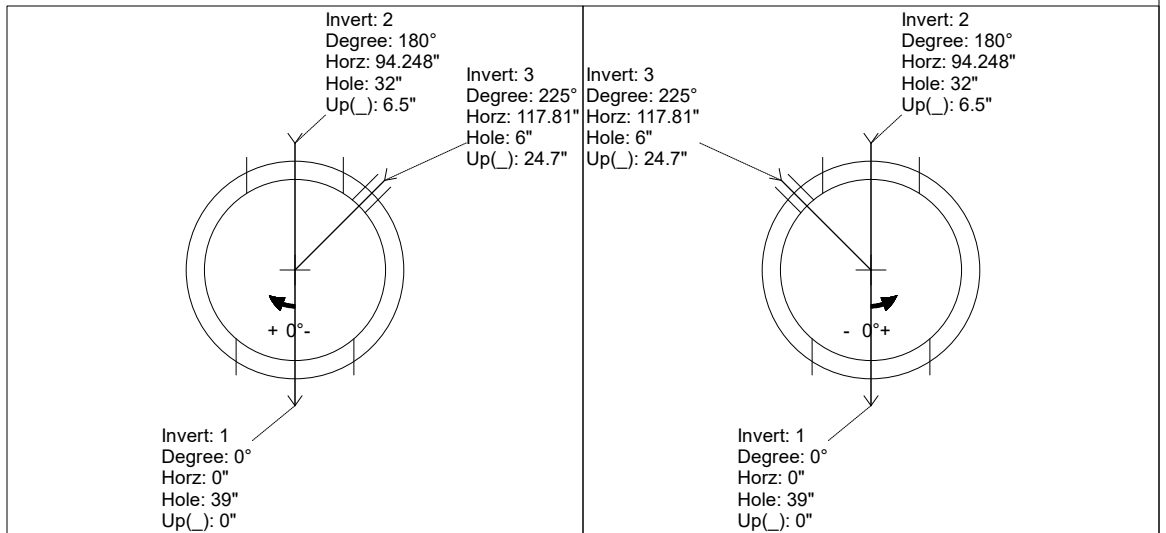
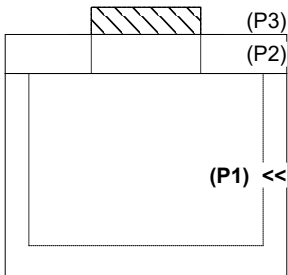
Structure Total: 9911 lb

Rim: 796.4' Rim to Invert: 4.8' Slack: 0.1" Sump: 3.5" Step Position:

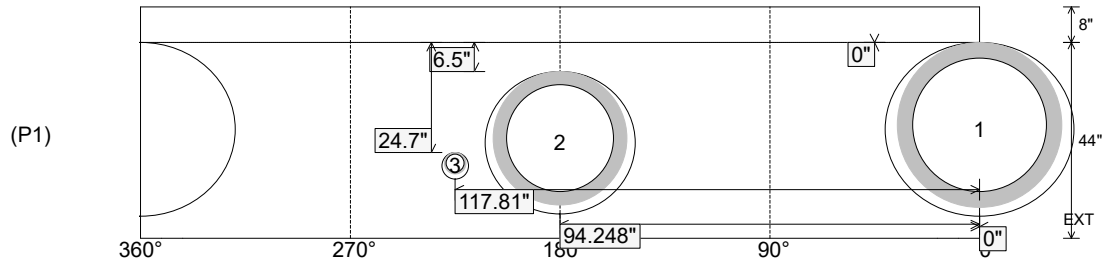
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	791.6'	0°	0"	30" RCP B WALL	37"	Hole 39	39"	42.455"	0"	0"
Invert 2	792.1'	180°	113.097"	24" RCP B WALL	30"	Hole 32	32"	33.752"	6.5"	0"
Invert 3	793.4'	225°	141.372"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6.01"	24.7"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 44" Height (Ext): 52"	Weight (Net): 6244 lb Volume (Net): 1.6cu.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 8:22:42 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-7

P1 MH060BAVF

MH BASE Custom Ht

- P3) 28" x 34" - CASTING HEIGHT - 7"
P2) 60" - MH FLAT TOP - TDOT NO 12 (28"x34" Hole) - 10"
P1) 60" - MH BASE Custom Ht - 67"
1) CASTING - JBS-3123 MODIFIED SET
1) 60" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
2) Hole - 40
1) Hole - 6

- Structure Notes:
1. PER TDOT D-CB-12RB / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 3123 MOD SINGLE SET BY ICAST
4. REINFORCING PER ASTM A615 (GRADE 60).
** PER TDOT STD DRAWING D-CB-12RB **
- TOP SLAB - DBL MAT #5 BARS.
- RISER (As .18)
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

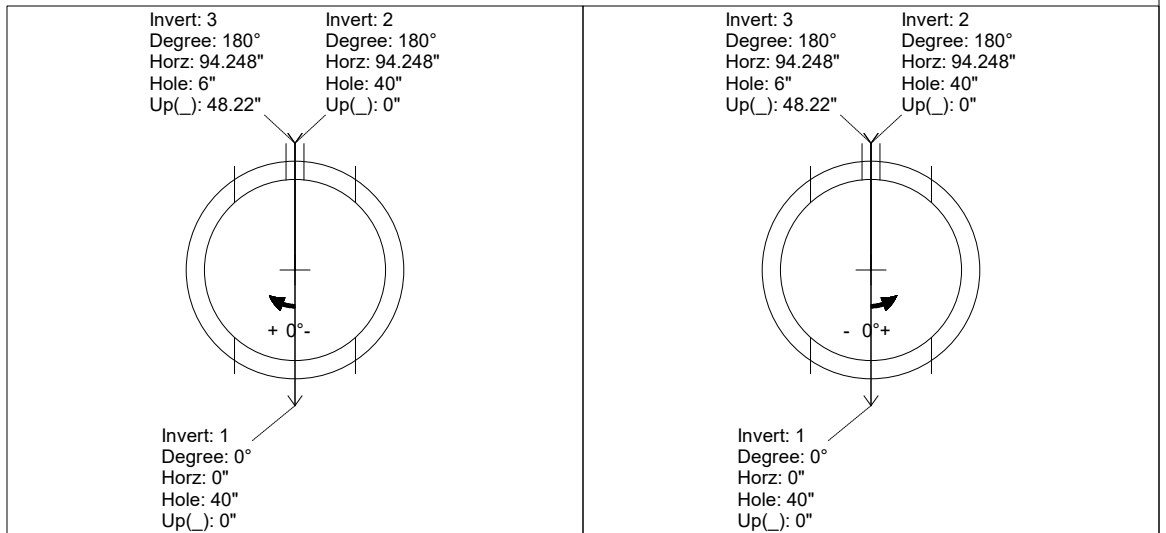
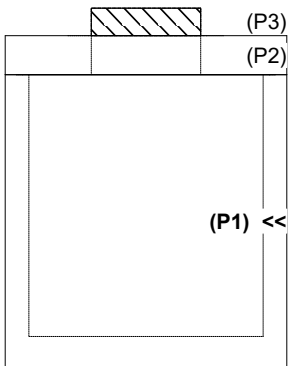
Structure Total: 12017 lb

Rim: 796.4' Rim to Invert: 6.76' Slack: 0.62" Sump: 3.5" Step Position:

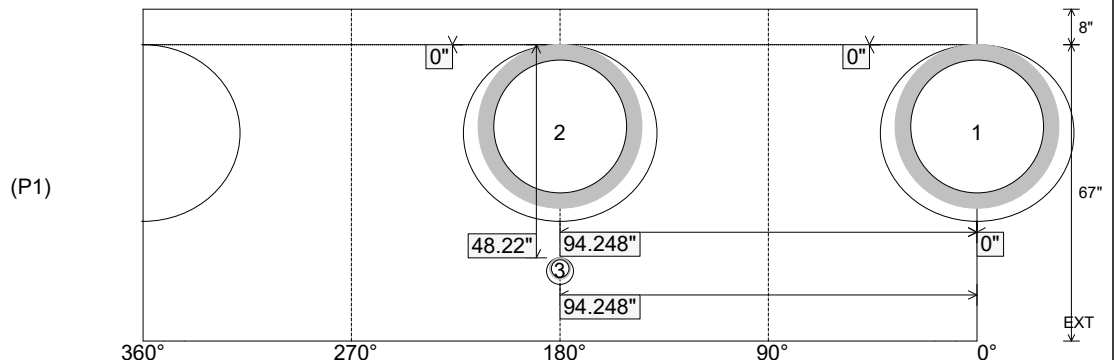
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	789.64'	0°	0"	30" RCP B WALL	37"	Hole 40	40"	43.784"	0"	0"
Invert 2	789.64'	180°	113.097"	30" RCP B WALL	37"	Hole 40	40"	43.784"	0"	0"
Invert 3	793.4'	180°	113.097"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6.01"	48.22"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 67"
Height (Ext): 75"

Weight (Net): 8350 lb
Volume (Net): 2.13cu.yd



Weight (Net): 3774 lb
Volume (Net): 0.96cu.yd

Job Name: 26-1066 - Gunning Pump Station & Force Main
Job Location: Bardstown, KY
Contractor: Connhurst, LLC

Plant: 100

6/2/2026 10:56:15 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: W W (15)

P5 MH096LD17S

MH FLAT TOP w/36"x72" Hatch F/G

- P6) 36" x 72" - HATCH (CAST FLUSH) - 0"
P5) 96" - MH FLAT TOP w/36"x72" Hatch F/G - 17"
P4) 96" - MH RISER T/G - 36"
P3) 96" - MH RISER T/G - 96"
P2) 96" - MH RISER T/G - 84"
P1) 96" - MH BASE EF Cust. Ht. 12"F (14"EF = 142"OD) T/n - 79"
1) JOINT WRAP - 12" WD x 096" MAC WRAP
1) SPECIAL Internal Coating
4) 96" - Con Seal CS-231 1.00" (Double)
1) 36" x 72" - Con Seal CS-231 1.00" (Double)
2) Hole - 12
1) PSX - 8QRS DD
1) PSX - 16M DD
1) PSX - 12M DD

100 lb
8315 lb
8968 lb
23694 lb
20688 lb
35627 lb
0 lb
0 lb
0 lb
0 lb
0 lb
6 lb
8 lb
8 lb

Structure Total:

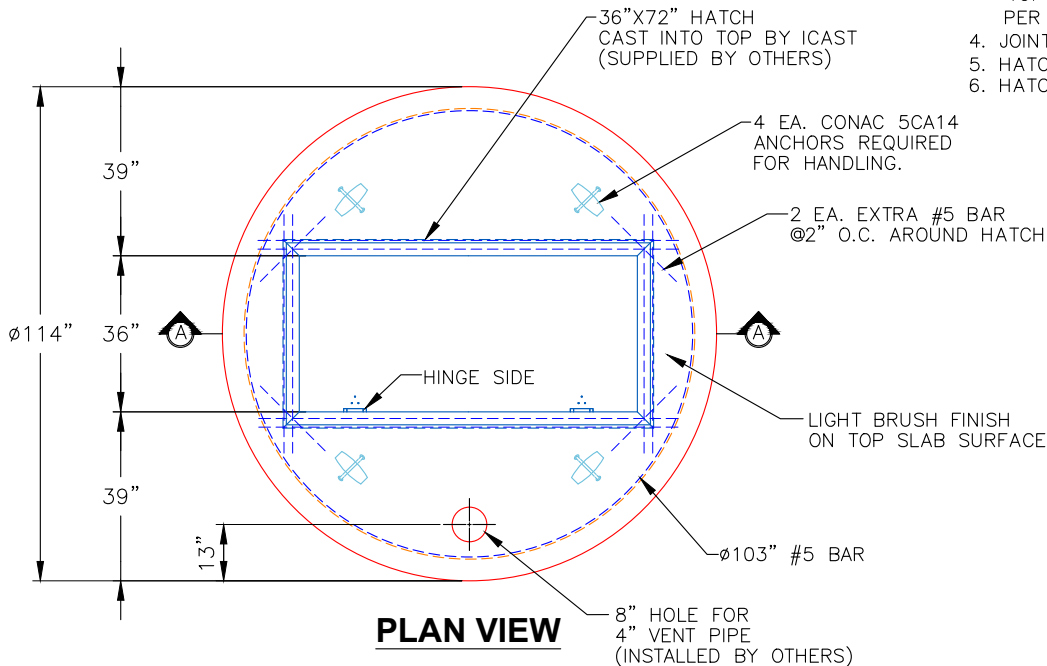
97415 lb

Structure Notes:

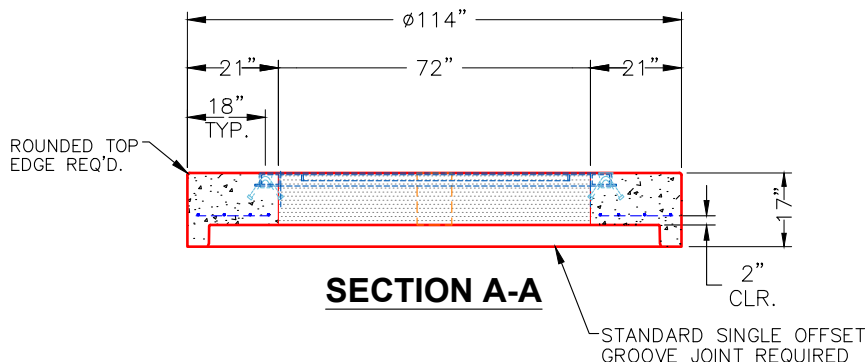
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. HATCH SUPPLIED BY OTHERS.
5. INSIDE OF STRUCTURE TO BE SANDBLASTED, THEN A COATING OF TNE MEC 218 TO BE APPLIED, FOLLOWED BY A COATING OF TNE MEC 434, FOLLOWED BY A COATING OF TNE MEC 435.
- REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W. (DOUBLE MAT)

NOTES:

1. PER ASTM C-478 LATEST REVISION
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCEMENT:
 - TOP SLAB - #5 BAR @ 6" C.C.E.W.
 - PER ASTM A615 (GRADE 60)
4. JOINT SEALANT - 1" CS-231-DOUBLE
5. HATCH: 36"x72" HATCH SUPPLIED BY OTHERS.
6. HATCH TO BE CAST INTO TOP SLAB BY ICAST



PLAN VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 9"

Height (Ext): 17"

Weight (Net): 8315 lb
Volume (Net): 2.12cu.yd

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

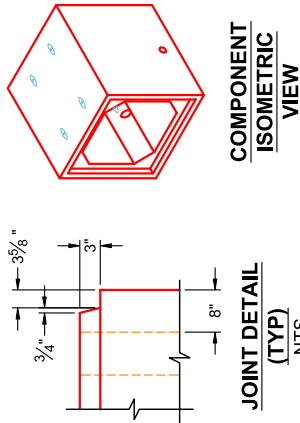
PC: C. Goff



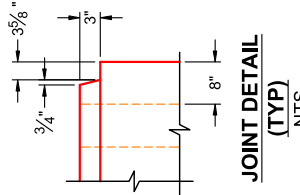
Structure ID: St. 45+00 (PC 16)

P1 BC048048-08WLF-9H

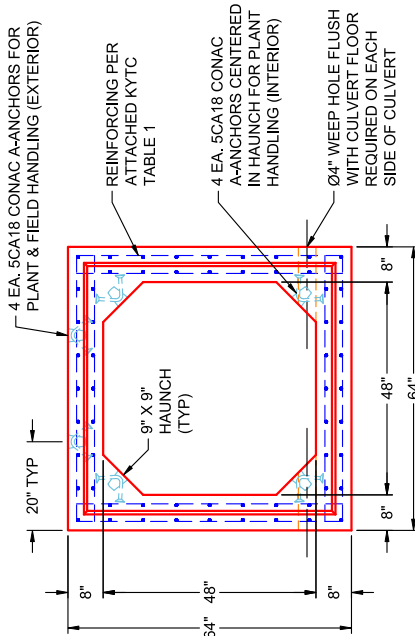
BOX CULVERT (08W/08F/08T) G/T



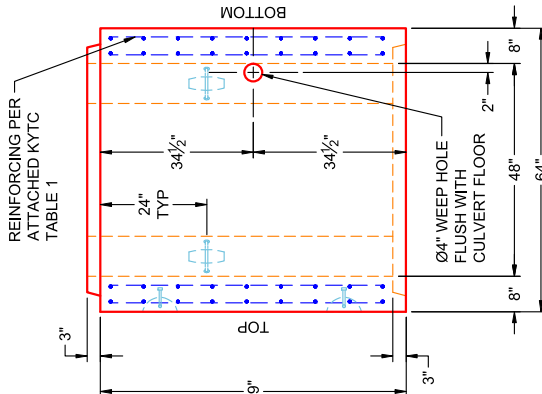
COMPONENT
ISOMETRIC
VIEW



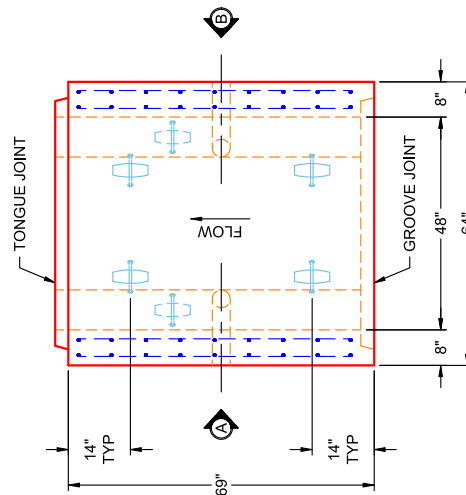
JOINT DETAIL
(TYP)
NTS



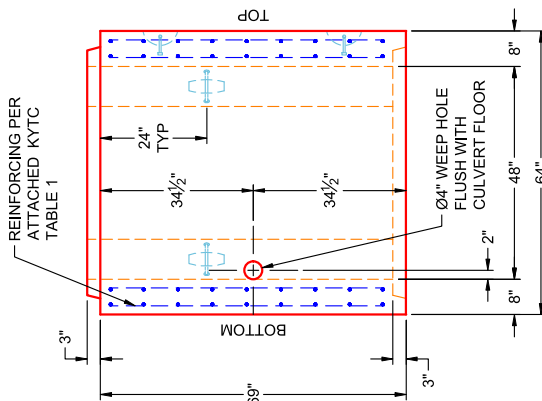
END VIEW
TYPICAL



VIEW B
PC 16
(UPRIGHT IN MOLD)



PLAN VIEW
PC 16
(UPRIGHT IN MOLD)



VIEW A
PC 16
(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 16)

ORDER NO: 24-1643B

PE: J.H. ROSS

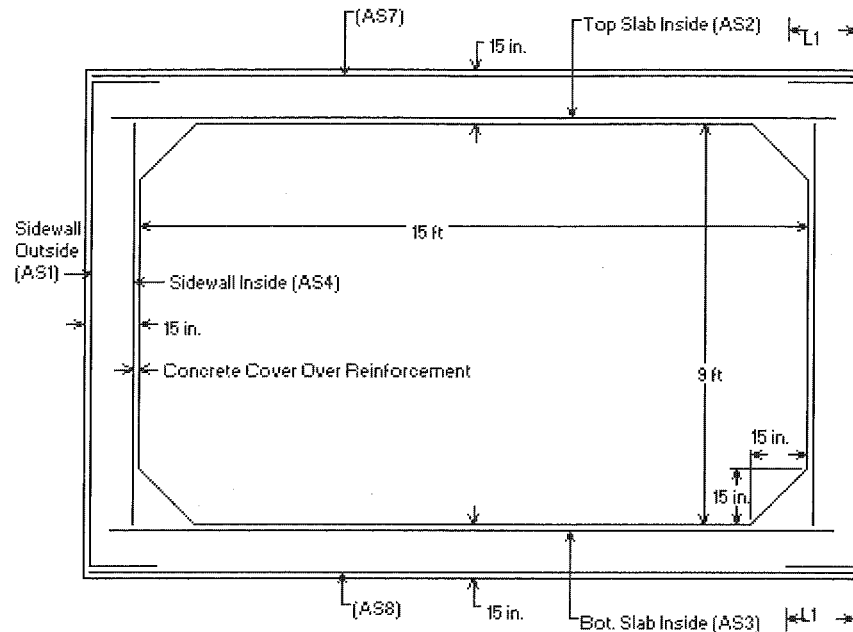
DRAWING: K. CARDWELL

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"

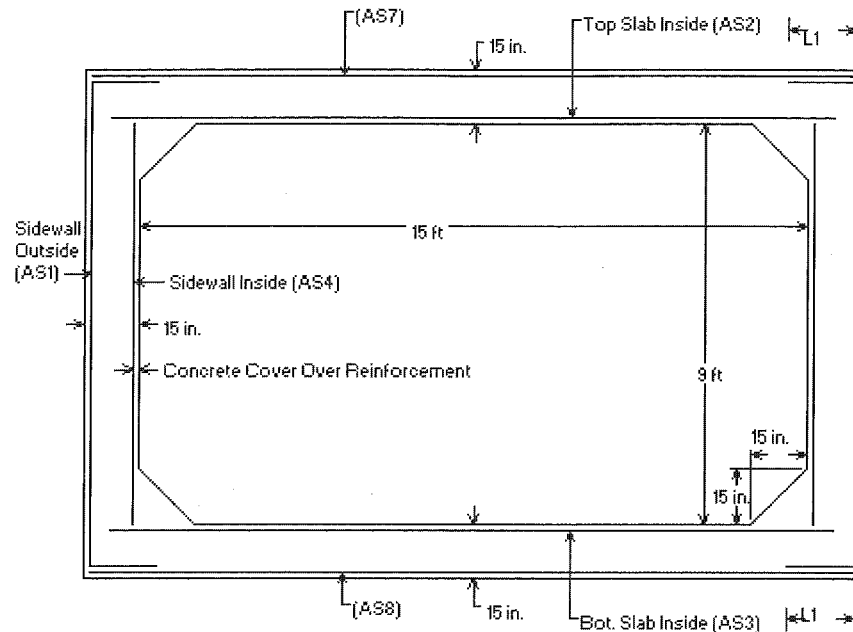
Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
5x3x6	0<2*	0.192	0.726	0.201	0.144	0.6	0.168	0.192	0.192
	2<3	0.224	0.288	0.232	0.144	0.144	0.144		
	3-5	0.16	0.205	0.19	0.144	0.144	0.144		
	10	0.144	0.164	0.168	0.144	0.144	0.144		
	15	0.174	0.224	0.228	0.144	0.144	0.144		
	20	0.223	0.288	0.292	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"



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

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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
8x6x8	0<2	0.267	0.536	0.382	0.192	0.192	0.192	0.192	0.192
	2<3	0.266	0.458	0.382	0.192	0.192	0.192	0.192	0.192
	3-5	0.237	0.392	0.359	0.192	0.192	0.192		
	10	0.244	0.365	0.38	0.192	0.192	0.192		
	15	0.321	0.489	0.505	0.192	0.192	0.192		
	20	0.408	0.627	0.644	0.192	0.192	0.192		
	25	0.502	0.774	0.791	0.192	0.192	0.192		
	30	0.602	0.928	0.946	0.192	0.192	0.192		
	35	0.708	1.089	1.108	0.192	0.192	0.192		

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x7x8	0<2	0.245	0.557	0.403	0.192	0.192	0.192	0.197	0.192
	2<3	0.243	0.479	0.403	0.192	0.192	0.192	0.192	0.192
	3-5	0.215	0.409	0.378	0.192	0.192	0.192		
	10	0.225	0.378	0.396	0.192	0.192	0.192		
	15	0.295	0.507	0.526	0.192	0.192	0.192		
	20	0.374	0.651	0.671	0.192	0.192	0.192		
	25	0.459	0.804	0.825	0.192	0.192	0.192		
	30	0.549	0.965	0.987	0.192	0.192	0.192		
	35	0.644	1.134	1.157	0.192	0.192	0.192		

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x8x8	0<2	0.226	0.575	0.42	0.192	0.192	0.192	0.203	0.192
	2<3	0.224	0.494	0.42	0.192	0.192	0.192	0.192	0.192
	3-5	0.201	0.423	0.393	0.192	0.192	0.192		
	10	0.211	0.386	0.407	0.192	0.192	0.192		
	15	0.276	0.518	0.54	0.192	0.192	0.192		
	20	0.349	0.665	0.688	0.192	0.192	0.192		
	25	0.427	0.822	0.846	0.192	0.192	0.192		
	30	0.51	0.988	1.013	0.192	0.192	0.192		

Default Configuration Image

?

Design Code: 2450110-LL10D

Strength Reduction Factors: Design Code Flexure 1 Shear 0.9

Axial Thrust Load Factor: User Specified

Crack Width (CHBDC Only): 0.25 mm

Reinforcement Diameter: Sidewall Outside (AS1) Top Inside (AS2) Bottom Inside (AS3) Sidewall Inside (AS4) Top Outside (AS7) Bottom Outside (AS8)

Diameter: Sidewall Thickness Top Slab Thickness Bottom Slab Thickness Sidewall Thickness Top Slab Thickness Bottom Slab Thickness

Maximum Spacing: 4 in. 4 in. 4 in. 4 in. 4 in. 4 in.

Soil Load Data: Soil Unit Weight 120 pcf Minimum Lateral Pressure Coefficient 0.25 Maximum Lateral Pressure Coefficient 0.5 Vertical Arching Factor Embankment/Compacted

Design Code: 2450110-LL10D

Strength Reduction Factors: Design Code Flexure 1 Shear 0.9

Axial Thrust Load Factor: User Specified

Crack Width (CHBDC Only): 0.25 mm

Reinforcement Diameter: Sidewall Outside (AS1) Top Inside (AS2) Bottom Inside (AS3) Sidewall Inside (AS4) Top Outside (AS7) Bottom Outside (AS8)

Diameter: Sidewall Thickness Top Slab Thickness Bottom Slab Thickness Sidewall Thickness Top Slab Thickness Bottom Slab Thickness

Maximum Spacing: 4 in. 4 in. 4 in. 4 in. 4 in. 4 in.

Soil Load Data: Soil Unit Weight 120 pcf Minimum Lateral Pressure Coefficient 0.25 Maximum Lateral Pressure Coefficient 0.5 Vertical Arching Factor Embankment/Compacted

Design Code: 2450110-LL10D

Strength Reduction Factors: Design Code Flexure 1 Shear 0.9

Axial Thrust Load Factor: User Specified

Crack Width (CHBDC Only): 0.25 mm

Reinforcement Diameter: Sidewall Outside (AS1) Top Inside (AS2) Bottom Inside (AS3) Sidewall Inside (AS4) Top Outside (AS7) Bottom Outside (AS8)

Diameter: Sidewall Thickness Top Slab Thickness Bottom Slab Thickness Sidewall Thickness Top Slab Thickness Bottom Slab Thickness

Maximum Spacing: 4 in. 4 in. 4 in. 4 in. 4 in. 4 in.

Soil Load Data: Soil Unit Weight 120 pcf Minimum Lateral Pressure Coefficient 0.25 Maximum Lateral Pressure Coefficient 0.5 Vertical Arching Factor Embankment/Compacted

Default Configuration Image

?

Jeremiah Littlejohn Documents 3052483

Section Length: 8 ft

Box Geometry: Top Slab Thickness Bottom Slab Thickness Sidewall Thickness Horizontal Haunch Length Vertical Haunch Length

SPAN < / ft: (Span/12) + 1 (Span/12) + 1 (Span/12) + 1 (Span/12) + 1

MINIMUM DEPTH OF FILL < 2 ft MINIMUM DEPTH OF FILL >= 2 ft

Reinforcement Type: Welded Wire

Material Properties: Main Reinforcement Yield Strength 65000 psi Design Concrete Strength 5000 psi Concrete Unit Weight 150 pcf Stirrup Reinforcement Developable Yield Stress 60000 psi Total Service Stress Limit 100 %

Section Length: 8 ft

Box Geometry: Top Slab Thickness Bottom Slab Thickness Sidewall Thickness Horizontal Haunch Length Vertical Haunch Length

SPAN < / ft: (Span/12) + 1 (Span/12) + 1 (Span/12) + 1 (Span/12) + 1

MINIMUM DEPTH OF FILL < 2 ft MINIMUM DEPTH OF FILL >= 2 ft

Reinforcement Type: Welded Wire

Material Properties: Main Reinforcement Yield Strength 65000 psi Design Concrete Strength 5000 psi Concrete Unit Weight 150 pcf Stirrup Reinforcement Developable Yield Stress 60000 psi Total Service Stress Limit 100 %

Box - Default (page 3) - Interchange Project

?

Live Load Data: Live Load Type (Max 2) Magnitude (k) HS Series 25 kips Interstate/Tandem 80 kips Cooper Series 80 kips CHBDC Truck 140 kips Tandem/Tandem 140 kips Other 10 kips None

Direction of Traffic: Parallel To Span

Impact Factor Options: Design Code

Impact Factor (User Def): 1

Lane Load: 0 lb/ft

Live Load Distribution Factor (LLDF): Design Code 1.15

Fluid Loads: Depth of Fluid 1 * Hise 62.5 pcf Fluid Unit Weight

Surcharge Loads: Uniform Vertical Lateral - Top of Culvert (LLTC) Lateral - Bottom of Culvert (LLBC)

Interstate/Tandem Truck Wheel Layout: 14 ft 5 ft 0.5 ft 0.5 ft 4 ft A=4 ft Load

Design Code: 2450110-LL10D

Strength Reduction Factors: Design Code Flexure 1 Shear 0.9

Axial Thrust Load Factor: User Specified

Crack Width (CHBDC Only): 0.25 mm

Reinforcement Diameter: Sidewall Outside (AS1) Top Inside (AS2) Bottom Inside (AS3) Sidewall Inside (AS4) Top Outside (AS7) Bottom Outside (AS8)

Diameter: Sidewall Thickness Top Slab Thickness Bottom Slab Thickness Sidewall Thickness Top Slab Thickness Bottom Slab Thickness

Maximum Spacing: 4 in. 4 in. 4 in. 4 in. 4 in. 4 in.

Soil Load Data: Soil Unit Weight 120 pcf Minimum Lateral Pressure Coefficient 0.25 Maximum Lateral Pressure Coefficient 0.5 Vertical Arching Factor Embankment/Compacted

Design Code: 2450110-LL10D

Strength Reduction Factors: Design Code Flexure 1 Shear 0.9

Axial Thrust Load Factor: User Specified

Crack Width (CHBDC Only): 0.25 mm

Reinforcement Diameter: Sidewall Outside (AS1) Top Inside (AS2) Bottom Inside (AS3) Sidewall Inside (AS4) Top Outside (AS7) Bottom Outside (AS8)

Diameter: Sidewall Thickness Top Slab Thickness Bottom Slab Thickness Sidewall Thickness Top Slab Thickness Bottom Slab Thickness

Maximum Spacing: 4 in. 4 in. 4 in. 4 in. 4 in. 4 in.

Soil Load Data: Soil Unit Weight 120 pcf Minimum Lateral Pressure Coefficient 0.25 Maximum Lateral Pressure Coefficient 0.5 Vertical Arching Factor Embankment/Compacted

Box - Default (page 3) - Interchange Project

?

Live Load Data: Live Load Type (Max 2) Magnitude (k) HS Series 25 kips Interstate/Tandem 80 kips Cooper Series 80 kips CHBDC Truck 140 kips Tandem/Tandem 140 kips Other 10 kips None

Direction of Traffic: Parallel To Span

Impact Factor Options: Design Code

Impact Factor (User Def): 1

Lane Load: 0 lb/ft

Live Load Distribution Factor (LLDF): Design Code 1.15

Fluid Loads: Depth of Fluid 1 * Hise 62.5 pcf Fluid Unit Weight

Surcharge Loads: Uniform Vertical Lateral - Top of Culvert (LLTC) Lateral - Bottom of Culvert (LLBC)

Interstate/Tandem Truck Wheel Layout: 14 ft 5 ft 0.5 ft 0.5 ft 4 ft A=4 ft Load

Design Code: 2450110-LL10D

Strength Reduction Factors: Design Code Flexure 1 Shear 0.9

Axial Thrust Load Factor: User Specified

Crack Width (CHBDC Only): 0.25 mm

Reinforcement Diameter: Sidewall Outside (AS1) Top Inside (AS2) Bottom Inside (AS3) Sidewall Inside (AS4) Top Outside (AS7) Bottom Outside (AS8)

Diameter: Sidewall Thickness Top Slab Thickness Bottom Slab Thickness Sidewall Thickness Top Slab Thickness Bottom Slab Thickness

Maximum Spacing: 4 in. 4 in. 4 in. 4 in. 4 in. 4 in.

Soil Load Data: Soil Unit Weight 120 pcf Minimum Lateral Pressure Coefficient 0.25 Maximum Lateral Pressure Coefficient 0.5 Vertical Arching Factor Embankment/Compacted

Design Code: 2450110-LL10D

Strength Reduction Factors: Design Code Flexure 1 Shear 0.9

Axial Thrust Load Factor: User Specified

Crack Width (CHBDC Only): 0.25 mm

Reinforcement Diameter: Sidewall Outside (AS1) Top Inside (AS2) Bottom Inside (AS3) Sidewall Inside (AS4) Top Outside (AS7) Bottom Outside (AS8)

Diameter: Sidewall Thickness Top Slab Thickness Bottom Slab Thickness Sidewall Thickness Top Slab Thickness Bottom Slab Thickness

Maximum Spacing: 4 in. 4 in. 4 in. 4 in. 4 in. 4 in.

Soil Load Data: Soil Unit Weight 120 pcf Minimum Lateral Pressure Coefficient 0.25 Maximum Lateral Pressure Coefficient 0.5 Vertical Arching Factor Embankment/Compacted

Job Name: 26-1645 East Bank Regional ARV's
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: S. Felletter

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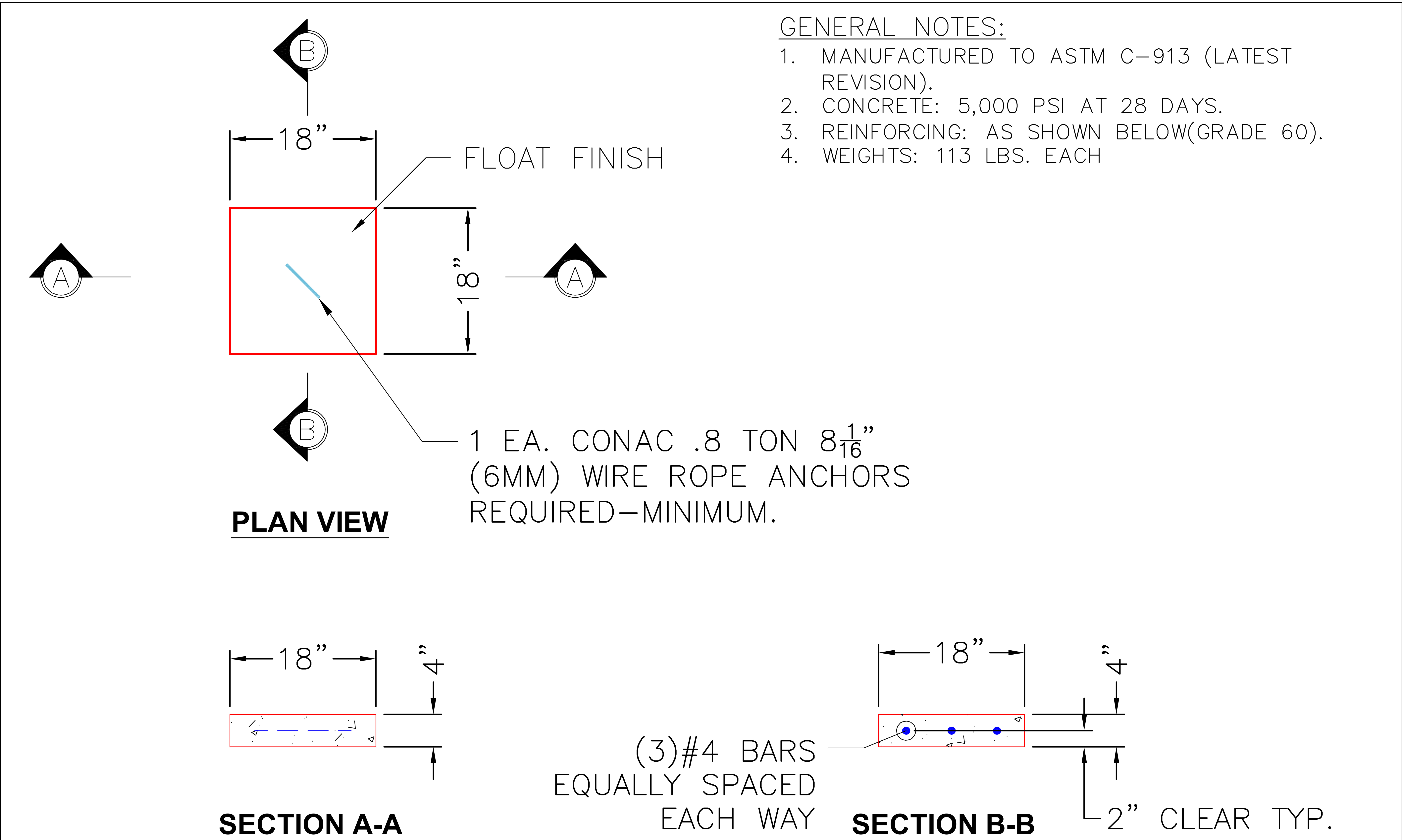
PC: J. Jarvis



Structure ID: 3 - ARV FOOTER 18" x 18" X 4"

P18 BLKCSTM

FOOTING SLAB 18"x18"x4" - 4" - 18" x 18"



PRODUCTION WORK ORDER		PRODUCT I.D.: BLKCSTM	DESCRIPTION: FOOTING SLAB 18" X 18" X 4"		
	QUALITY CONTROL CHECKLIST		PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: GARNEY COMPANIES INC	
	☐ ALL DIMENSIONS CORRECT.		PLANT: BEAVER DAM, KY.	PROJECT: EAST BANK REGIONAL ARV'S	
	☐ LIFTERS INSTALLED.		WEIGHT: 113 LBS.	STRUCTURE: ARV FOOTER	
	☐ HATCH CORRECT LOCATION.		TOP SECTION JOINT: N/A	ORDER NO: 26-2640	
	☐ REINFORCING CORRECT.		BASE SECTION JOINT: N/A	PC: T. RYAN	DRAWING: S. FELLETER
	☐ SURFACE QUALITY ACCEPTABLE.		QC CHECK INITIALS:	DATE: 06/25/26	SCALE: NTS PG. 1 of 1
☐ EDGES CHAMFERED.					
☐ ALL PATCHWORK ACCEPTABLE.					

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Job Name: 26-1645 East Bank Regional ARV's
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: S. Felletter

6/26/2026 12:31:58 PM

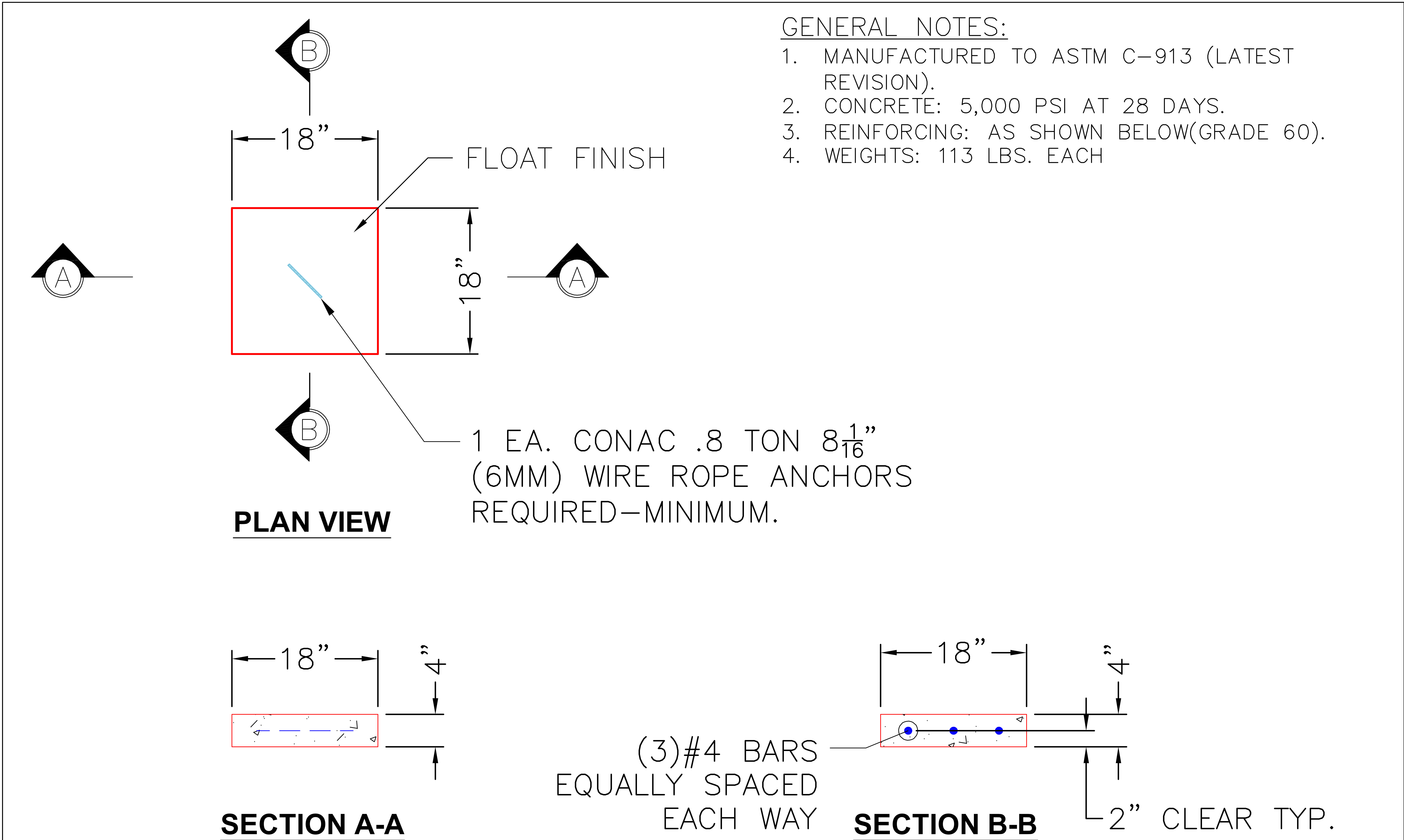
PC: J. Jarvis



Structure ID: 3 - ARV FOOTER 18" x 18" X 4"

P17 BLKCSTM

FOOTING SLAB 18"x18"x4" - 4" - 18" x 18"



PRODUCTION WORK ORDER		PRODUCT I.D.: BLKCSTM	DESCRIPTION: FOOTING SLAB 18" X 18" X 4"		
	QUALITY CONTROL CHECKLIST		PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: GARNEY COMPANIES INC	
	☐ ALL DIMENSIONS CORRECT.		PLANT: BEAVER DAM, KY.	PROJECT: EAST BANK REGIONAL ARV'S	
	☐ LIFTERS INSTALLED.		WEIGHT: 113 LBS.	STRUCTURE: ARV FOOTER	
	☐ HATCH CORRECT LOCATION.		TOP SECTION JOINT: N/A	ORDER NO: 26-2640	
	☐ REINFORCING CORRECT.		BASE SECTION JOINT: N/A	PC: T. RYAN	DRAWING: S. FELLETER
	☐ SURFACE QUALITY ACCEPTABLE.		QC CHECK INITIALS:	DATE: 06/25/26	SCALE: NTS PG. 1 of 1
☐ EDGES CHAMFERED.					
☐ ALL PATCHWORK ACCEPTABLE.					

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Job Name: 26-1645 East Bank Regional ARV's
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: S. Felletter

6/26/2026 12:31:58 PM

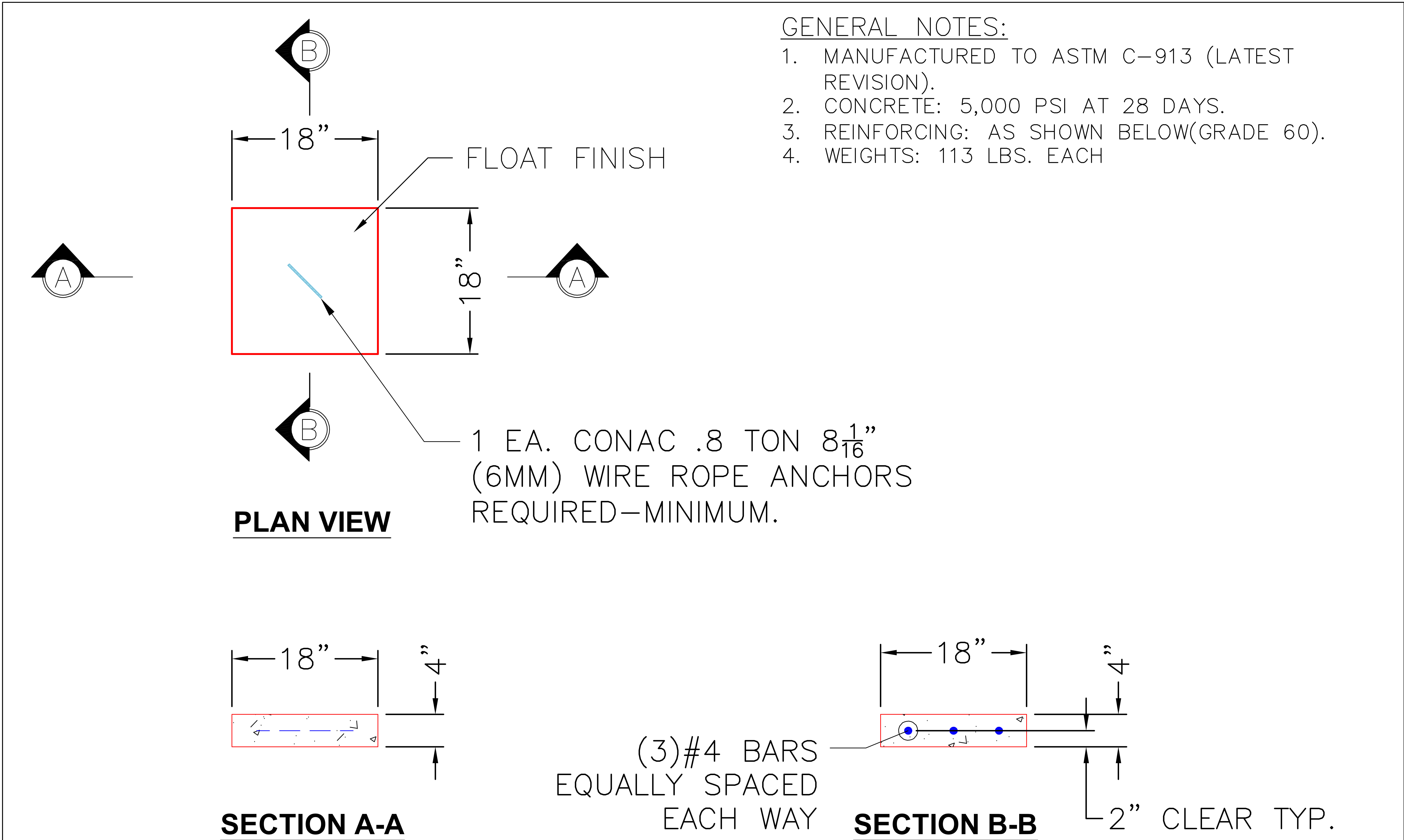
PC: J. Jarvis



Structure ID: 3 - ARV FOOTER 18" x 18" X 4"

P16 BLKCSTM

FOOTING SLAB 18"x18"x4" - 4" - 18" x 18"



PRODUCTION WORK ORDER		PRODUCT I.D.: BLKCSTM	DESCRIPTION: FOOTING SLAB 18" X 18" X 4"		
	QUALITY CONTROL CHECKLIST		PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: GARNEY COMPANIES INC	
	☐ ALL DIMENSIONS CORRECT.		PLANT: BEAVER DAM, KY.	PROJECT: EAST BANK REGIONAL ARV'S	
	☐ LIFTERS INSTALLED.		WEIGHT: 113 LBS.	STRUCTURE: ARV FOOTER	
	☐ HATCH CORRECT LOCATION.		TOP SECTION JOINT: N/A	ORDER NO: 26-2640	
	☐ REINFORCING CORRECT.		BASE SECTION JOINT: N/A	PC: T. RYAN	DRAWING: S. FELLETER
	☐ SURFACE QUALITY ACCEPTABLE.		QC CHECK INITIALS:	DATE: 06/25/26	SCALE: NTS PG. 1 of 1
☐ EDGES CHAMFERED.					
☐ ALL PATCHWORK ACCEPTABLE.					

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Job Name: 26-1645 East Bank Regional ARV's
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: S. Felletter

6/26/2026 12:31:57 PM

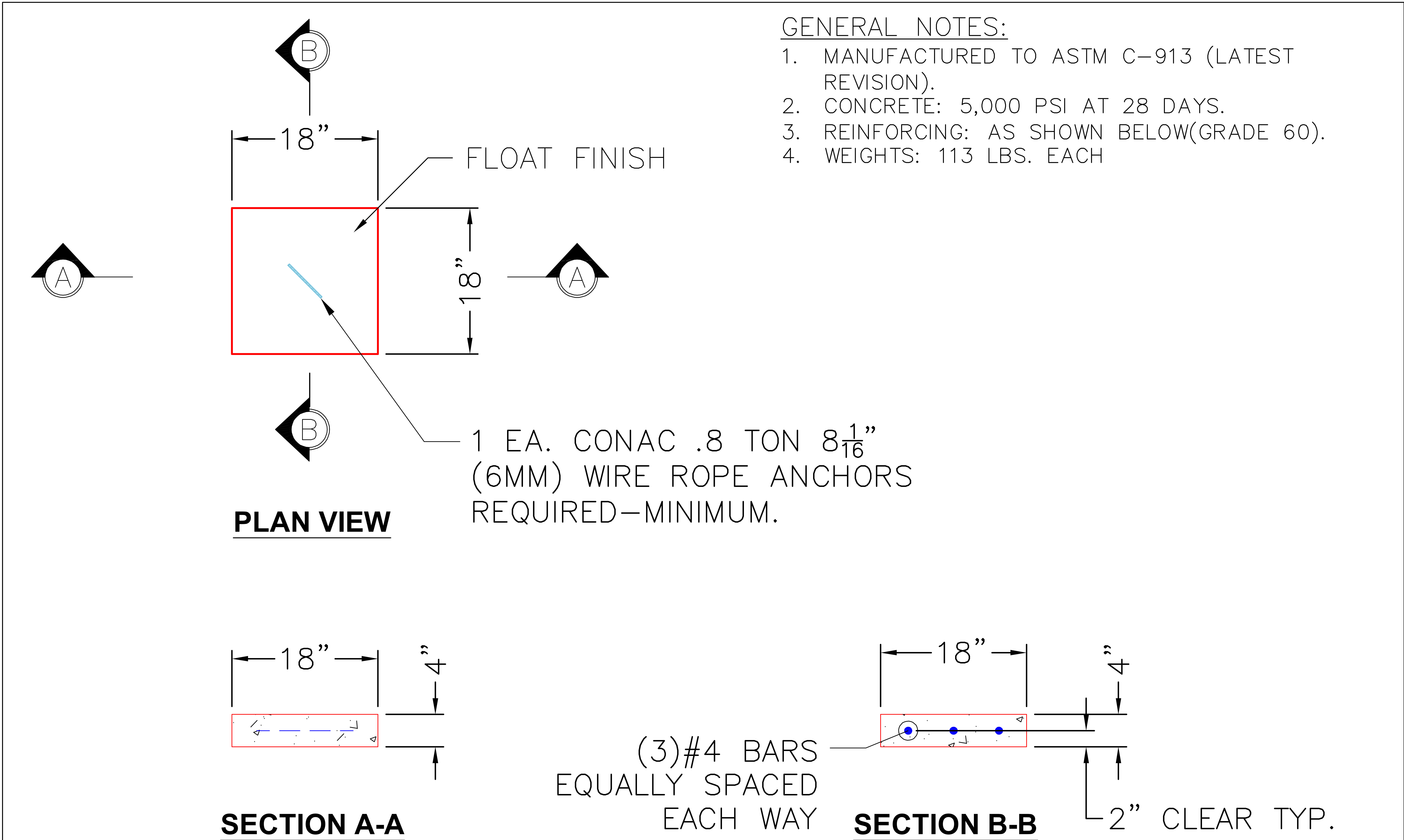
PC: J. Jarvis



Structure ID: 3 - ARV FOOTER 18" x 18" X 4"

P15 BLKCSTM

FOOTING SLAB 18"x18"x4" - 4" - 18" x 18"



PRODUCTION WORK ORDER		PRODUCT I.D.: BLKCSTM	DESCRIPTION: FOOTING SLAB 18" X 18" X 4"		
	QUALITY CONTROL CHECKLIST		PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: GARNEY COMPANIES INC	
	☐ ALL DIMENSIONS CORRECT.		PLANT: BEAVER DAM, KY.	PROJECT: EAST BANK REGIONAL ARV'S	
	☐ LIFTERS INSTALLED.		WEIGHT: 113 LBS.	STRUCTURE: ARV FOOTER	
	☐ HATCH CORRECT LOCATION.		TOP SECTION JOINT: N/A	ORDER NO: 26-2640	
	☐ REINFORCING CORRECT.		BASE SECTION JOINT: N/A	PC: T. RYAN	DRAWING: S. FELLETTER
	☐ SURFACE QUALITY ACCEPTABLE.		QC CHECK INITIALS:	DATE: 06/25/26	SCALE: NTS PG. 1 of 1
☐ EDGES CHAMFERED.					
☐ ALL PATCHWORK ACCEPTABLE.					

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

Job Name: 26-1645 East Bank Regional ARV's
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: S. Felletter

6/26/2026 12:31:57 PM

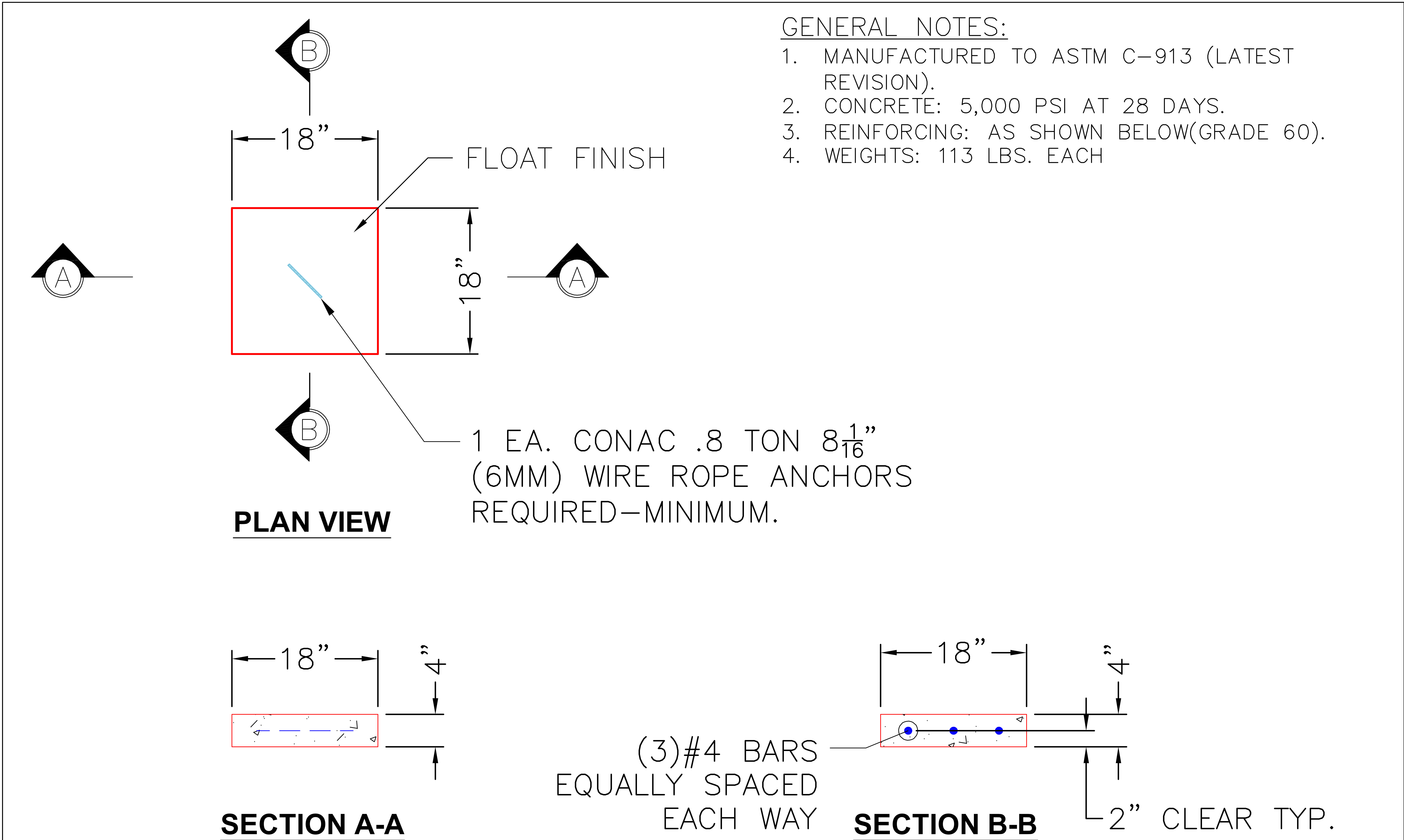
PC: J. Jarvis



Structure ID: 3 - ARV FOOTER 18" x 18" X 4"

P14 BLKCSTM

FOOTING SLAB 18"x18"x4" - 4" - 18" x 18"



PRODUCTION WORK ORDER		PRODUCT I.D.: BLKCSTM	DESCRIPTION: FOOTING SLAB 18" X 18" X 4"		
	QUALITY CONTROL CHECKLIST		PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: GARNEY COMPANIES INC	
	☐ ALL DIMENSIONS CORRECT.		PLANT: BEAVER DAM, KY.	PROJECT: EAST BANK REGIONAL ARV'S	
	☐ LIFTERS INSTALLED.		WEIGHT: 113 LBS.	STRUCTURE: ARV FOOTER	
	☐ HATCH CORRECT LOCATION.		TOP SECTION JOINT: N/A	ORDER NO: 26-2640	
	☐ REINFORCING CORRECT.		BASE SECTION JOINT: N/A	PC: T. RYAN	DRAWING: S. FELLETTER
	☐ SURFACE QUALITY ACCEPTABLE.		QC CHECK INITIALS:	DATE: 06/25/26	SCALE: NTS PG. 1 of 1
☐ EDGES CHAMFERED.					
☐ ALL PATCHWORK ACCEPTABLE.					

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Job Name: 26-2424 Fifth Third Mt. Juliet Central
Job Location: Mount Juliet, TN 37122
Contractor: Hayes Pipe Supply

Plant: 100

6/30/2026 11:38:18 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: ST-11 ST-OCS

P1 BX3636-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 36" x 36" - CASTING HEIGHT - 0"

P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 59"

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

1) Hole - 30

1) Hole - 5

1) Weir - 15"x24"

0 lb Structure Notes:

8061 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 8061 lb

1. LFS-3636-P SQ. FLUSH MOUNT GRATE PROVIDED BY OTHERS

2. PER ASTM C913 SPECIFICATIONS.

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

4. NO INVERT CHANNEL.

5. REINFORCING PER ASTM A615 (GRADE 60).

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

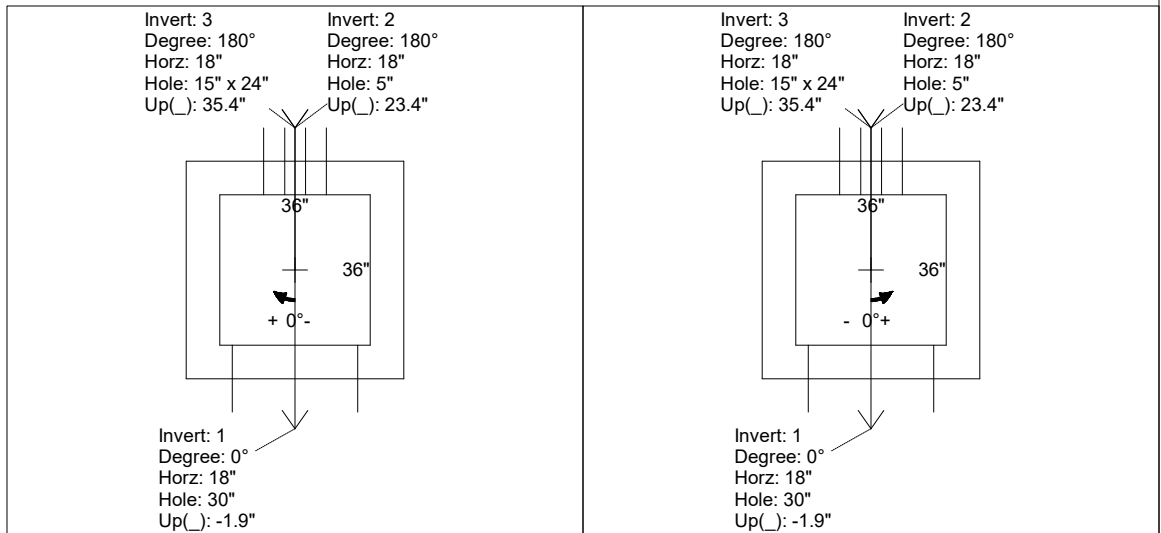
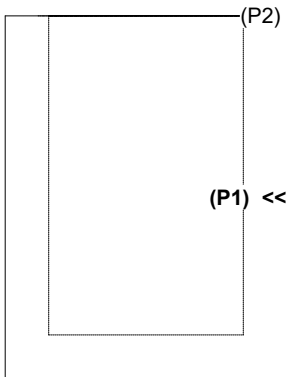
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 539' Rim to Invert: 4.95' Slack: 0.398" Sump: 0" Step Position:

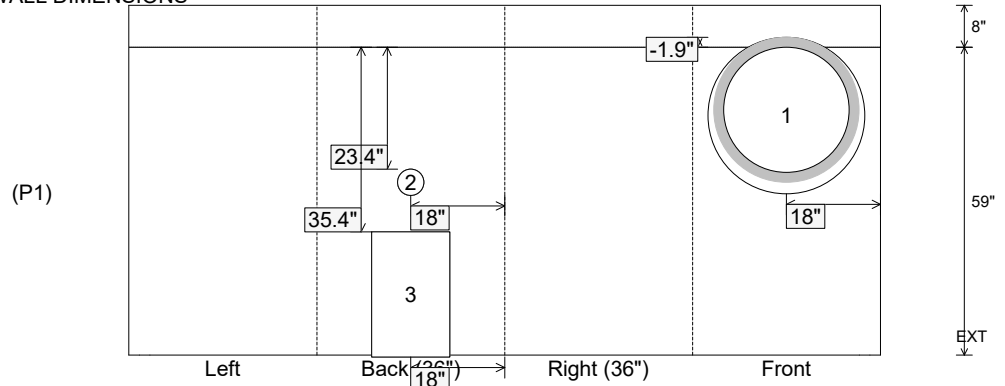
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	534.05'	0°	26"	24" HDPE	27.8"	Hole 30	30"	30"	-1.9"	0"
Invert 2	536'	180°	26"	5" Orifice	5"	Hole 5	5"	5"	23.4"	0"
Invert 3	537'	180°	26"	15" x 24" Weir	15" x 24"	Weir 15"x24"	15" x 24"	15"	35.4"	0"
Invert 4										
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): 59"
Height (Ext): 67"

Weight (Net): 8061 lb
Volume (Net): 2.06cu.yd

Job Name: 26-2424 Fifth Third Mt. Juliet Central
Job Location: Mount Juliet, TN 37122
Contractor: Hayes Pipe Supply

Plant: 100

6/30/2026 11:38:15 AM

Tech: Jared - A

PC: Erica Bradley



Structure ID: ST-5 ST-CI

P1 BX28280606VH

BOX BASE 6inW, 6inF, Variable Ht

P2) 28" x 28" - CASTING HEIGHT - 6"

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

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

2) Hole - 20

1) Hole - 8

0 lb

3477 lb

0 lb

0 lb

0 lb

Structure Total: 3477 lb

Structure Notes:

1. JBS-3101 F/G/H PROVIDED BY OTHERS

2. PER ASTM C913 SPECIFICATIONS.

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

4. NO INVERT CHANNEL.

5. REINFORCING PER ASTM A615 (GRADE 60).

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

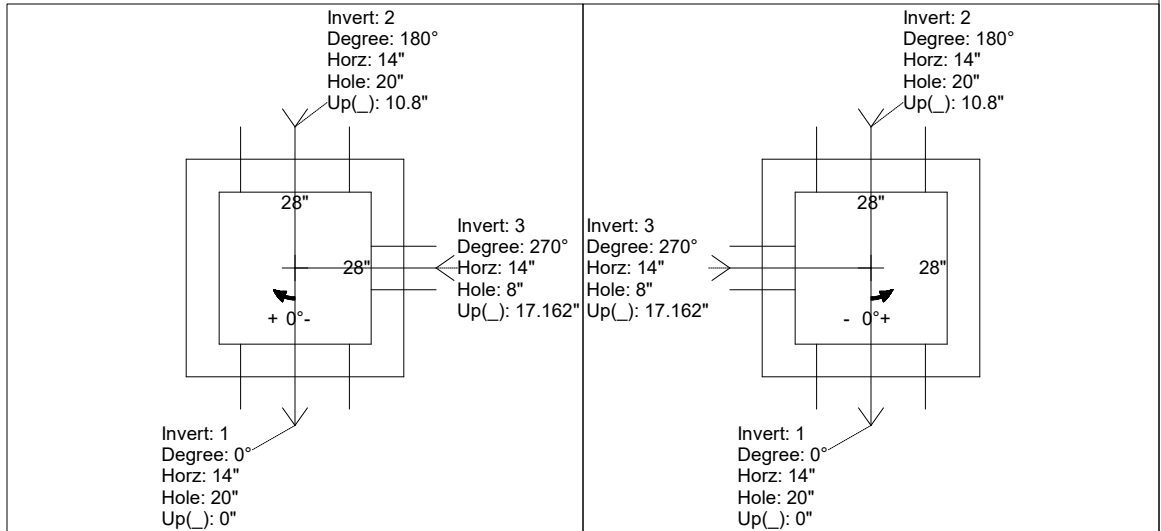
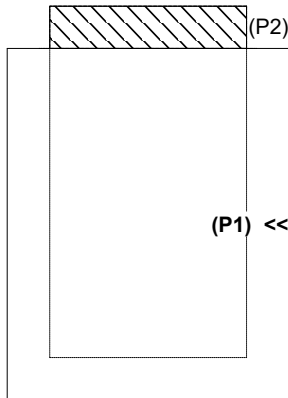
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 540.3' Rim to Invert: 4.1' Slack: 0.5" Sump: 1.3" Step Position: 0°

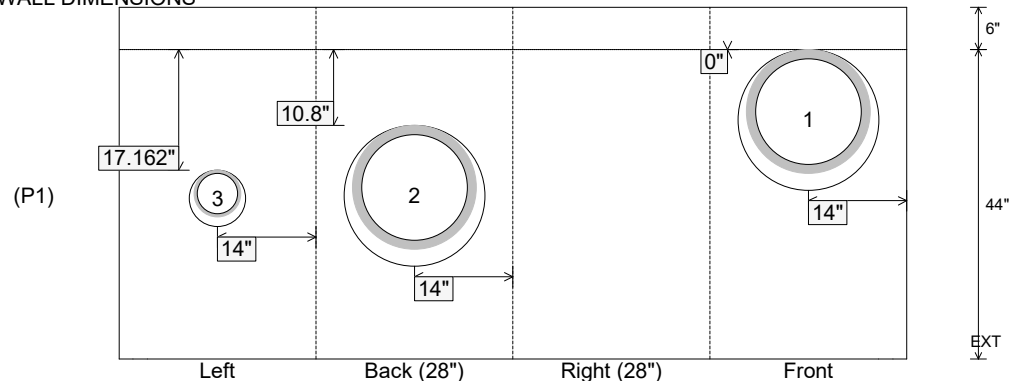
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	536.2'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2	537.1'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	10.8"	0"
Invert 3	537.56'	270°	20"	6" PVC SCH80	6.625"	Hole 8	8"	8"	17.162"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 44"
Height (Ext): 50"

Weight (Net): 3477 lb
Volume (Net): 0.89cu.yd

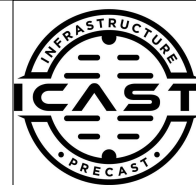
Job Name: 25-1684P12 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.

6/24/2026 1:33:05 PM

Tech: J. Coppage

PC: T. Ryan



Structure ID: 1021+10 LT CBIB INLET 20

P1 BX2436-08BA24

BOX BASE 8inW, 8inF

P4) 8" x 120" - CB INLET KY B 10' TOP - 9"
P3) 24" x 120" - CB INLET KY B 10' BOTTOM LEFT - 17"
P2) 24" x 36" - CB FT REDUCER 24"X24" HOLE - 8"
P1) 24" x 36" - BOX BASE 8inW, 8inF - 24"
1) 24" x 36" - Conseal CS-102 1.00"
1) 24" x 24" - Conseal CS-102 1.00"
2) Hole - 22"

1660 lb
2650 lb
1010 lb
3318 lb
0 lb
0 lb
0 lb

Structure Total: 8638 lb

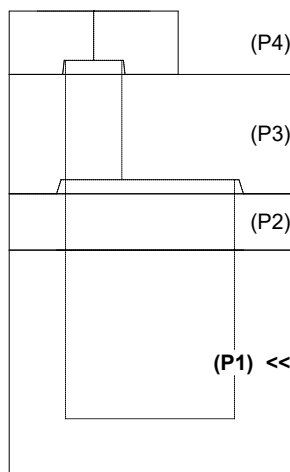
Structure Notes:
-KYTC STATE PROJECT 251007
-REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
-CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
-KYTC CERTIFICATIONS REQUIRED.

Rim: 580.68' Rim to Invert: 4.93' Slack: 1.16" Sump: 0" Step Position:

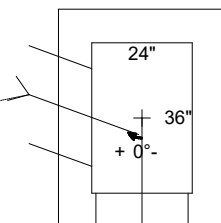
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	575.75'	0°	20"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 2	575.75'	110°	29.023"	18" CMP	19"	Hole 22	22"	23.412"	-2"	-4"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

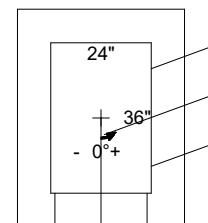
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2
Degree: 110°
Horz: 18.111"
Hole: 22"
Up(): -2"



Invert: 1
Degree: 0°
Horz: 12"
Hole: 22"
Up(): -2"

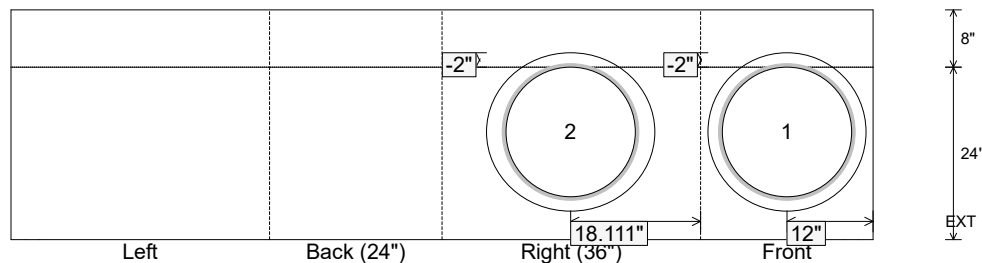


Invert: 2
Degree: 110°
Horz: 18.111"
Hole: 22"
Up(): -2"

Invert: 1
Degree: 0°
Horz: 12"
Hole: 22"
Up(): -2"

INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 24"
Height (Ext): 32"

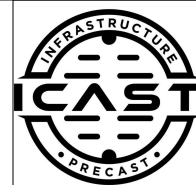
Weight (Net): 3318 lb
Volume (Net): 0.85cu.yd

Job Name: 26-2104 - Jeffersonville High School Parking Lot Job Location: Jeffersonville, IN Contractor: Mac Construction & Excavating, Inc.					Plant: 100 6/27/2026 7:12:38 PM		Tech: Jared - A PC: T. Lewis				
Structure ID: 10 ST-CI											
P1 BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n									
P2) 24" x 36" - CASTING HEIGHT - 6" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 38" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 22 1) Hole - 18					0 lb 4515 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 4515 lb		<u>Structure Notes:</u> 1. PER ASTM C-913 SPECIFICATIONS 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. STORM INVERT BY OTHERS 5. HOE 525 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS				
Rim: 483.75' Rim to Invert: 3.65' Slack: 2.05' Sump: 2.25' Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	480.1'	270°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	0"	0"	
Invert 2	480.1'	130°	31"	15" RCP B WALL	19.5"	Hole 22	22"	28.719"	0"	-9"	
Invert 3	480.35'	0°	20"	12" RCP B WALL	16"	Hole 18	18"	18"	3.25"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions) Diagram showing box base layout with dimensions and invert data.											
INSIDE WALL DIMENSIONS Diagram showing internal wall dimensions for the box base.											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 38" Height (Ext): 46"		Weight (Net): 4515 lb Volume (Net): 1.15cu.yd		

Job Name: 25-1684P12 KYTC Jefferson Co. Call 200 (251007)
 Job Location: I-264 Louisville, Ky.
 Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, Ky.
 6/24/2026 1:33:11 PM

Tech: J. Coppage
 PC: T. Ryan



Structure ID: 1014+08 RT CBIA INLET 14

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT - 10"
 P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT - 18"
 P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 29"
 1) 24" x 36" - Conseal CS-102 1.00"
 2) Hole - 22"

Structure Notes:
 -KYTC STATE PROJECT 251007
 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
 -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
 -KYTC CERTIFICATIONS REQUIRED.

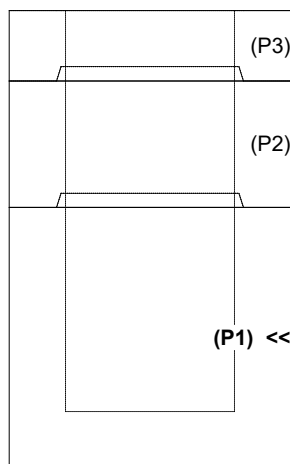
Structure Total: 12301 lb

Rim: 588.91' Rim to Invert: 5.11' Slack: 4.32" Sump: 0" Step Position:

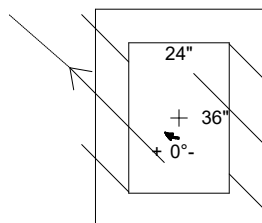
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	583.8'	135°	31.858"	18" CMP	19"	Hole 22	22"	31.113"	-2"	-10"
Invert 2	583.8'	315°	31.858"	18" CMP	19"	Hole 22	22"	31.113"	-2"	-10"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

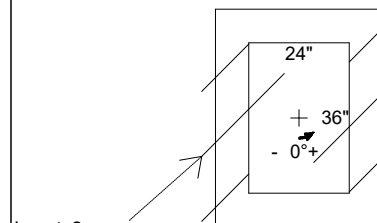


Invert: 1
 Degree: 135°
 Horz: 15.858"
 Hole: 22"
 Up(): -2"



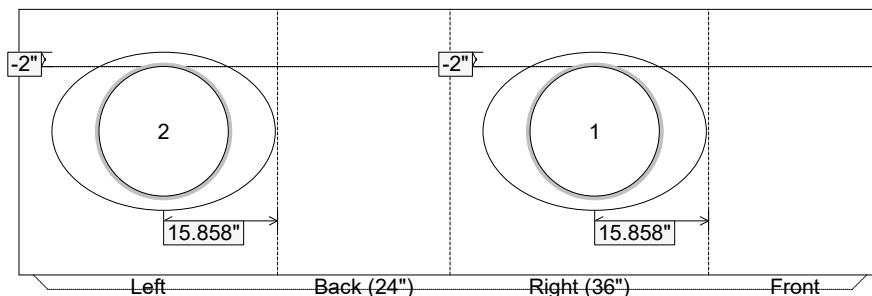
Invert: 2
 Degree: 315°
 Horz: 15.858"
 Hole: 22"
 Up(): -2"

Invert: 1
 Degree: 135°
 Horz: 15.858"
 Hole: 22"
 Up(): -2"



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 29"
 Height (Ext): 37"

Weight (Net): 3634 lb
 Volume (Net): 0.93cu.yd



Weight (Net): 4144 lb
Volume (Net): 1.06cu.yd



Weight (Net): 3844 lb
Volume (Net): 0.98cu.yd

Job Name: 26-2564 - Taubensee Steel

Job Location: Henderson, KY

Contractor: K&K Excavating Inc.

Plant: 100

6/24/2026 6:15:16 AM

Tech: J. Horsley

PC: T. Lewis



Structure ID: 402 ST-AD

P1 BX2424-08BAVF

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

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

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

1) CASTING - HOE-326-BH F/G

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

1) Hole - 24

0 lb

3338 lb

289 lb

0 lb

0 lb

Structure Total: 3627 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,500 PSI AT 28 DAYS

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

4. HOE-326-BH FRAME & BEEHIVE GRATE SUPPLIED BY ICAST

Rim: 385.7'

Rim to Invert: 2.67'

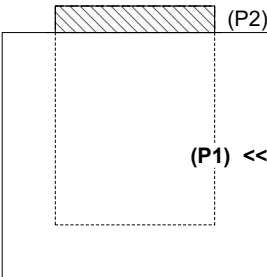
Slack: 0.64"

Sump: 1.6"

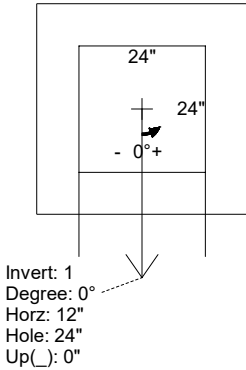
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	383.03'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

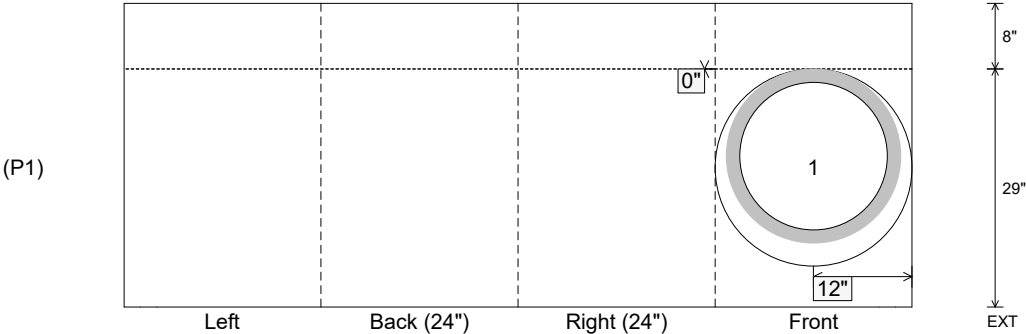
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

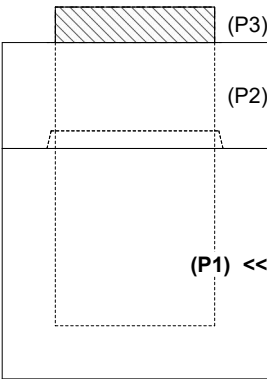
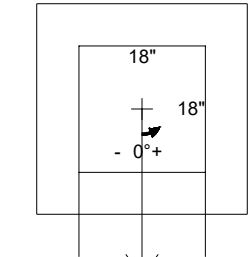
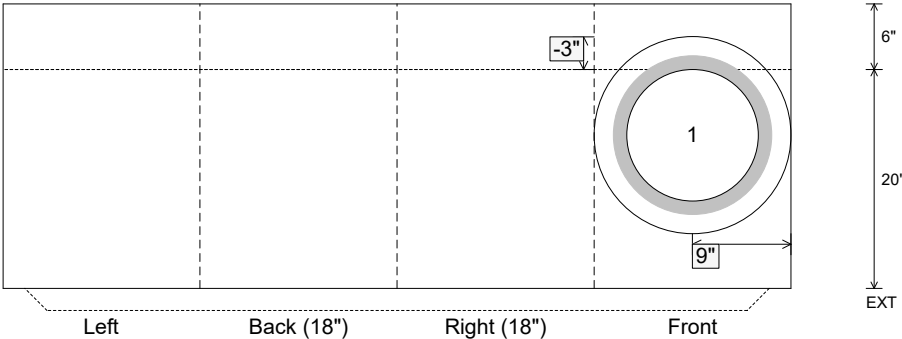
Floor Height: 8"

Height (Int): 29"

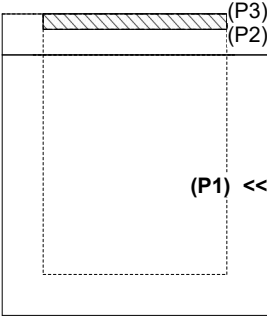
Height (Ext): 37"

Weight (Net): 3338 lb

Volume (Net): 0.85cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/17/2026 5:40:50 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 47											
P1 BX18180606VF BOX BASE 6inW, 6inF, Variable Ht T/n											
P3) 18" x 18" - CASTING HEIGHT - 4" P2) 18" x 18" - BOX RISER 6inW F/G - 12" P1) 18" x 18" - BOX BASE 6inW, 6inF, Variable Ht T/n - 20" 2) 18" x 18" - Conseal CS-102 1.00" 1) Hole - 18"						0 lb 580 lb 1324 lb 0 lb 0 lb Structure Total: 1904 lb		Structure Notes: 1. PER MSD YARD DRAIN / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS			
Rim: 551.6' Rim to Invert: 3' Slack: 0" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	548.6'	0°	15"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions)  Invert: 1 Degree: 0° Horz: 9" Hole: 18" Up(_): -3" INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 6" Floor Height: 6"		Height (Int): 20" Height (Ext): 26"		Weight (Net): 1324 lb Volume (Net): 0.34cu.yd		

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction				Plant: 100 6/12/2026 3:09:34 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 16										
P1 BX3636-08BAVF				BOX BASE 8inW, 8inF, Variable Ht F/n						
P3) 36" x 36" - CASTING (cast in) - 3" P2) 36" x 36" - CB FLAT TOP 8"W SPEC. (KY-328 CAST IN) F/F - 8" P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 43" 1) This Structure Includes a Cast-in Item - HOE KY-328 Frame (Supplied By Others) 2) 36" x 36" - Conseal CS-102 1.00" 2) Hole - 32" Structure Total: 6812 lb						Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TYPE 3 / 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-328 FRAME & GRATES SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID				
Rim: 559.5' Rim to Invert: 4.25' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	555.25'	90°	26"	24" HDPE	27.8"	Hole 32	32"	32"	-4"	0"
Invert 2	555.25'	270°	26"	24" HDPE	27.8"	Hole 32	32"	32"	-4"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

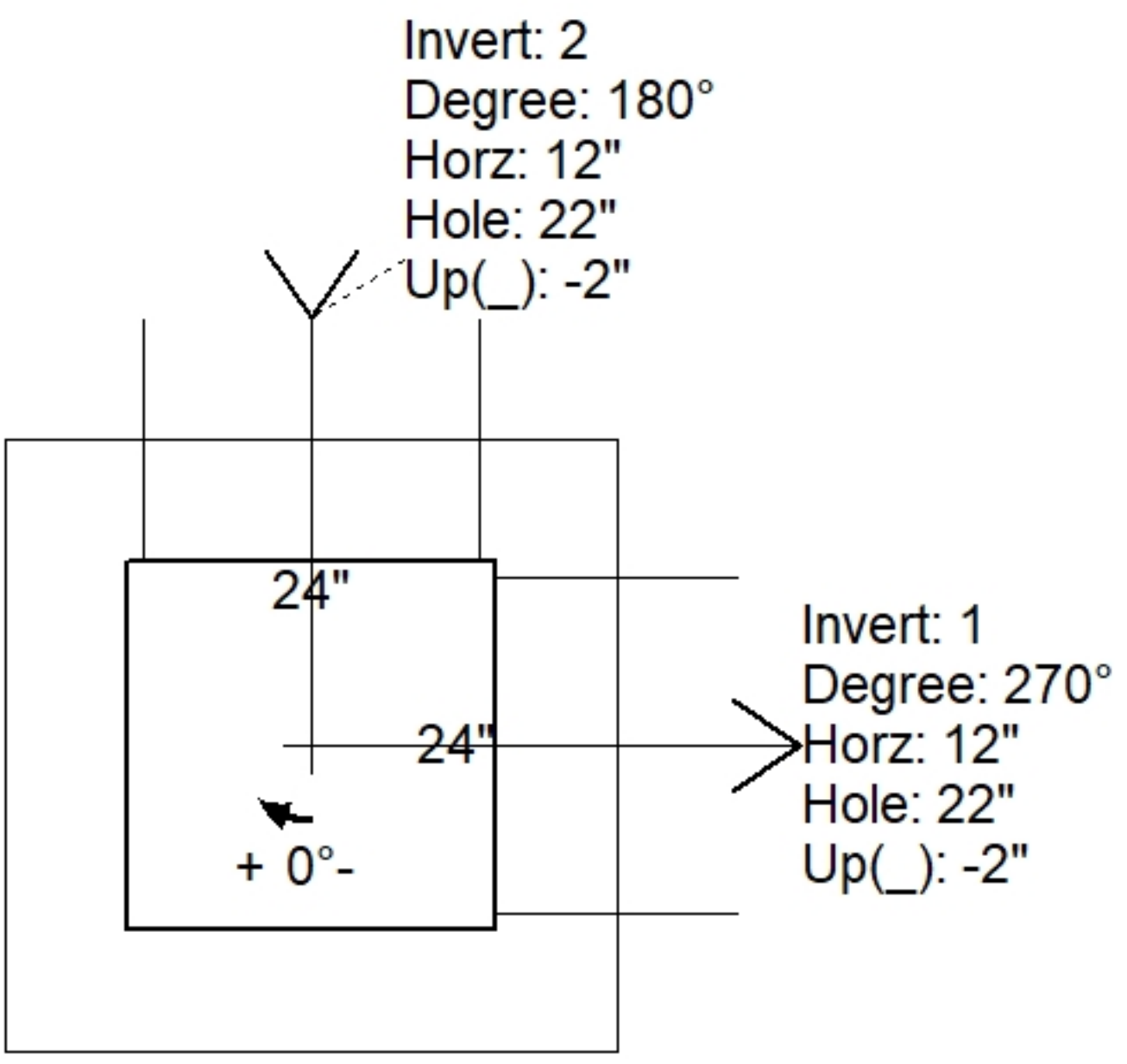
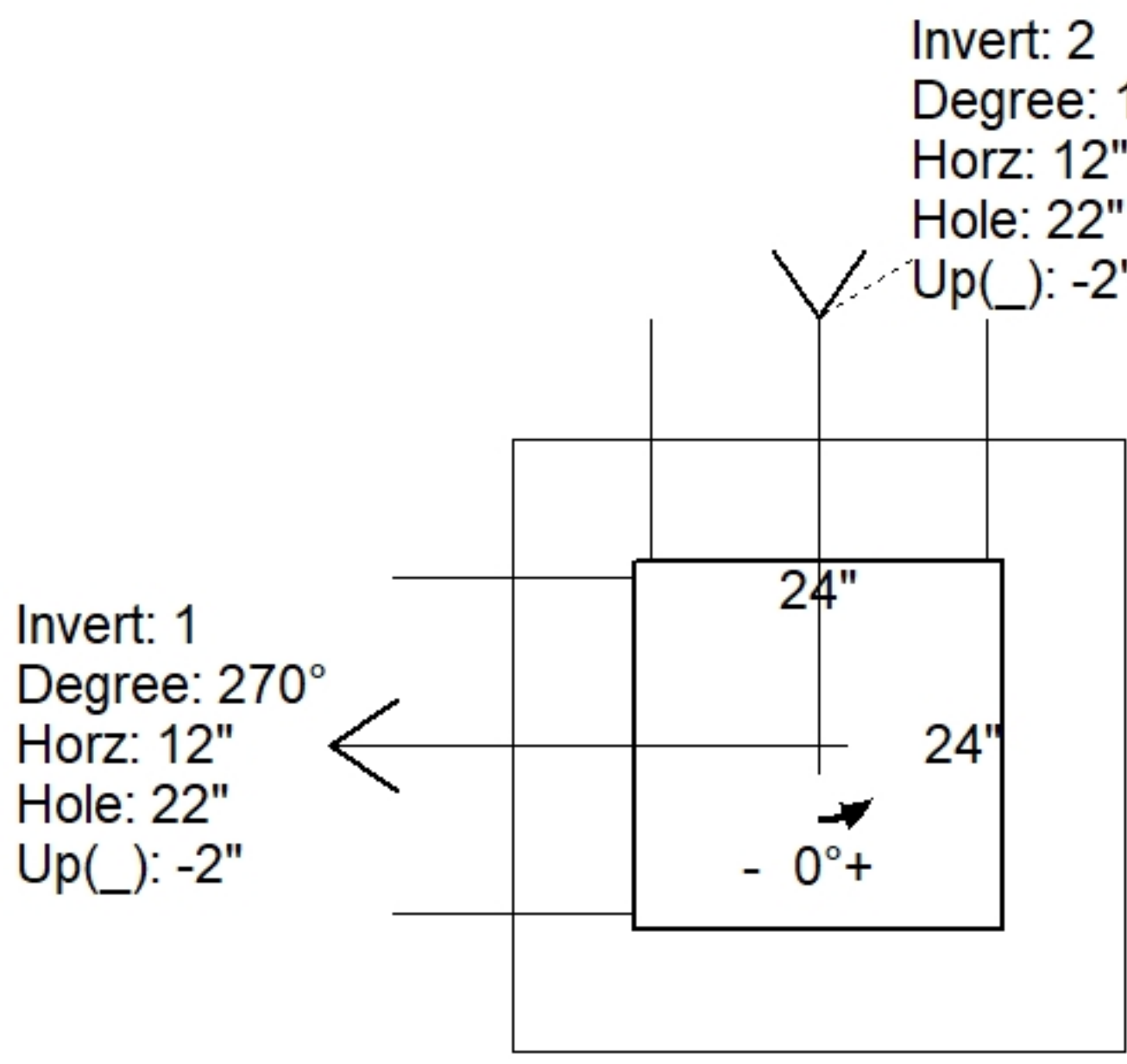
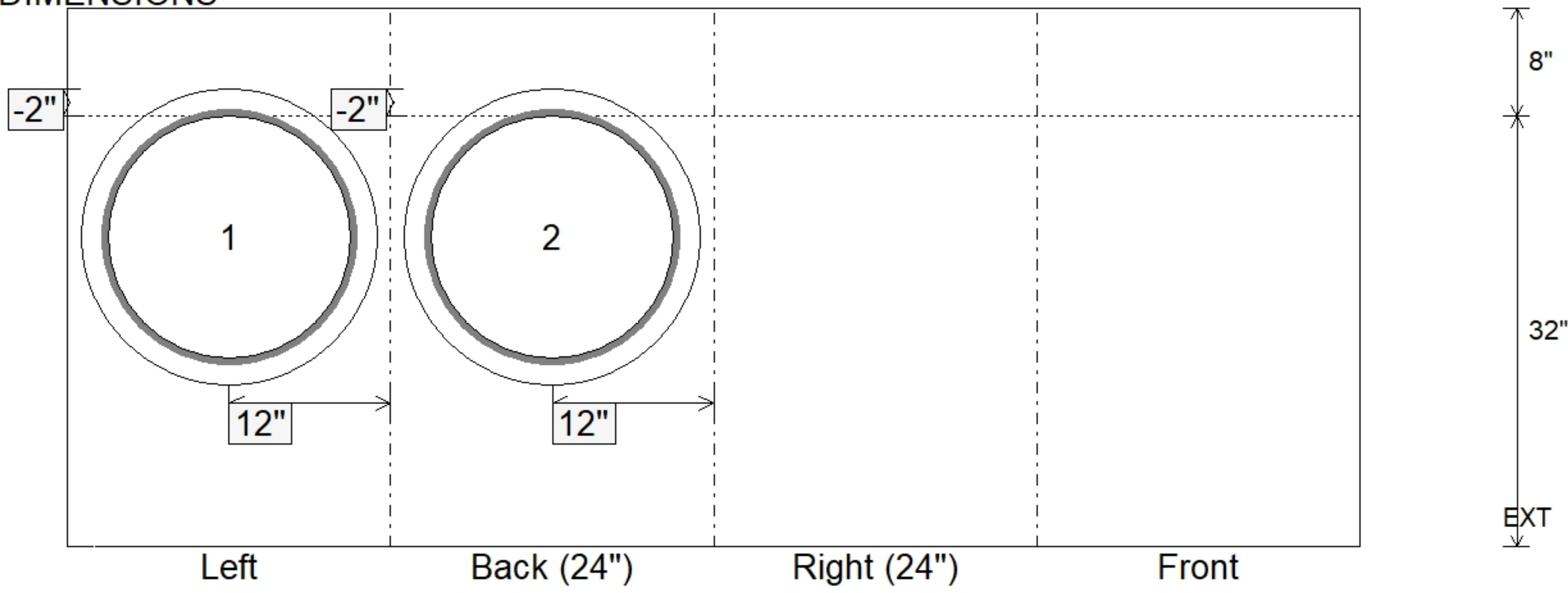
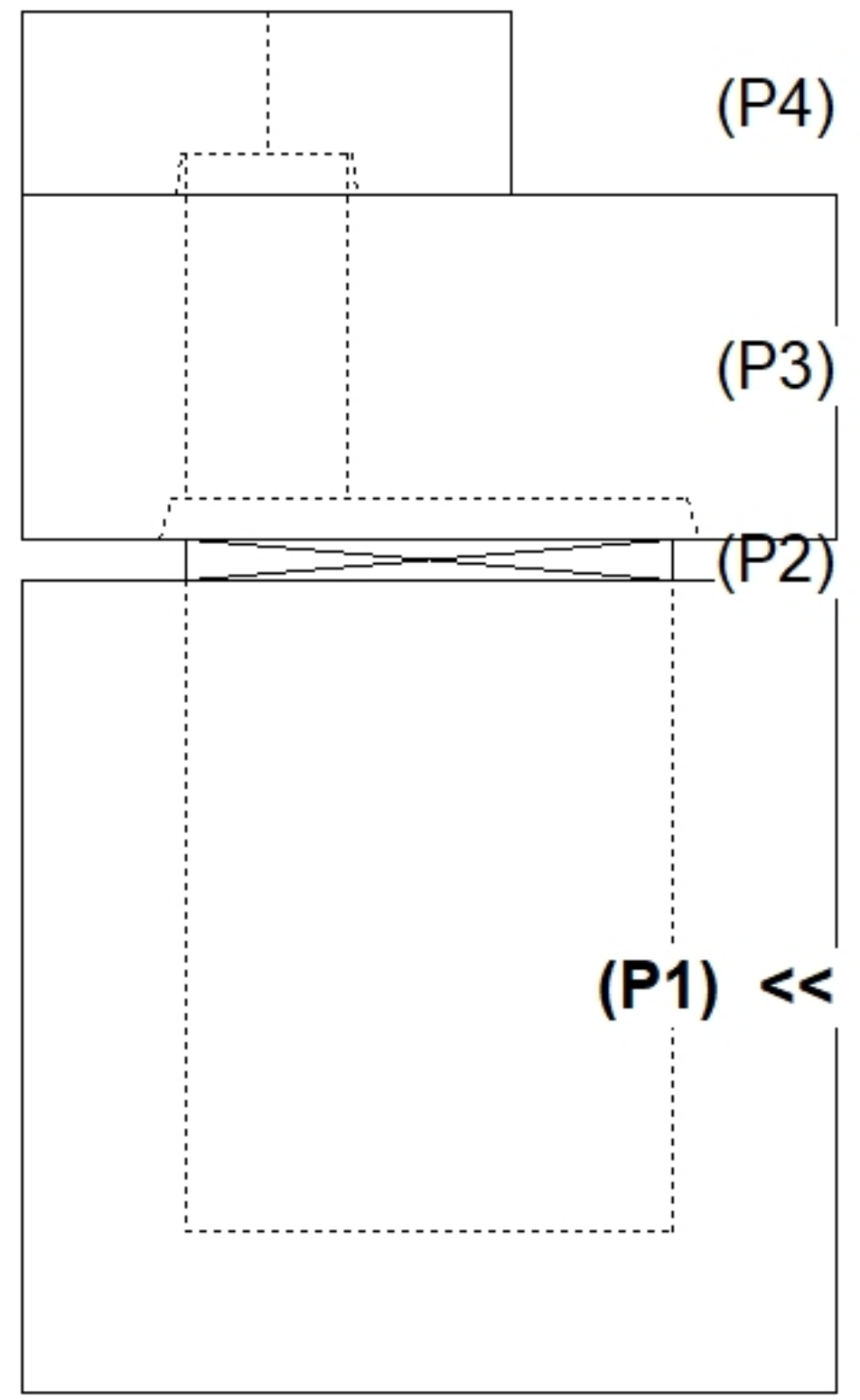


RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

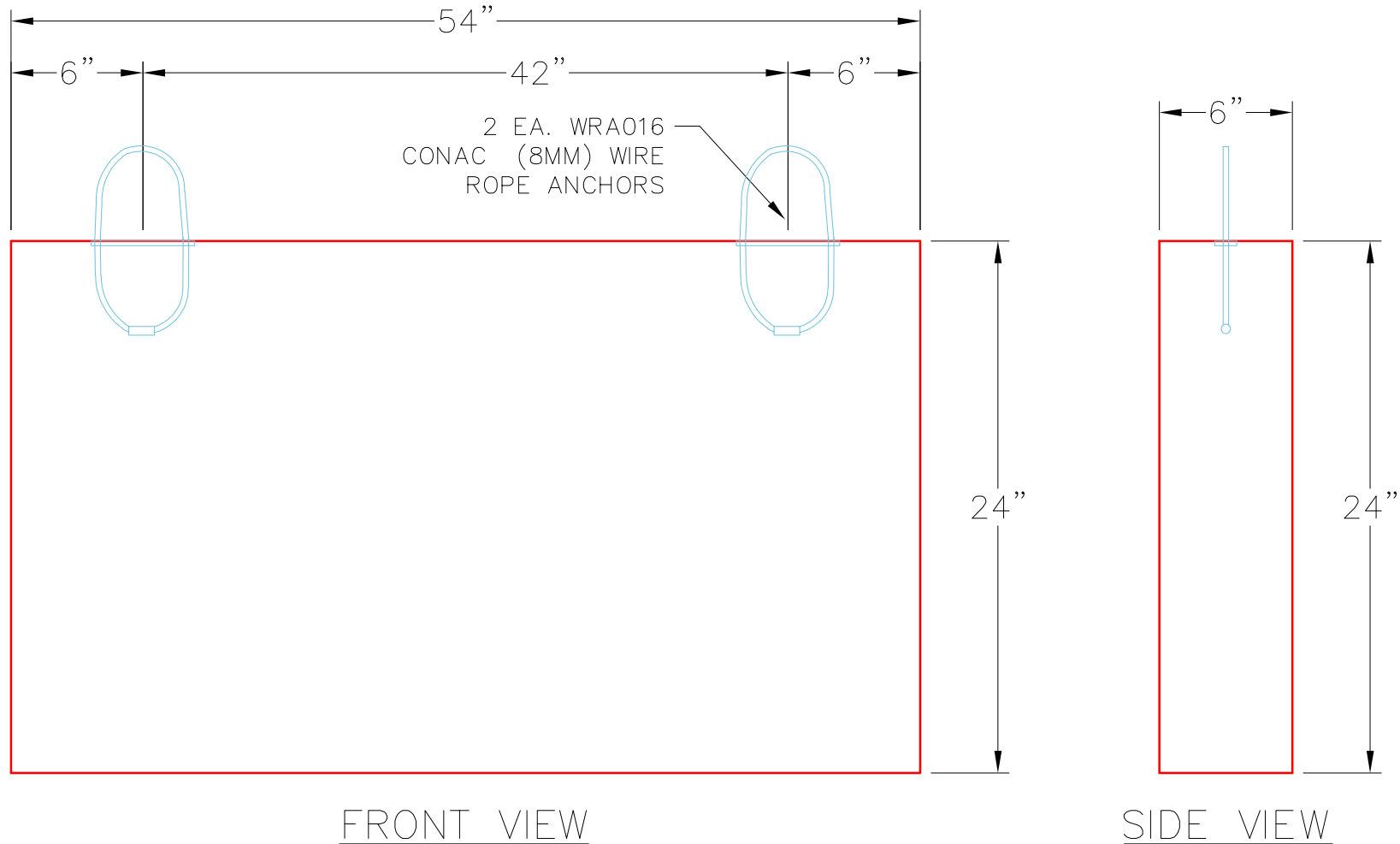
INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 43" Height (Ext): 51"	Weight (Net): 5816 lb Volume (Net): 1.49cu.yd
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Job Name: 26-2030 - KYTC McCracken Co. Call 111 (ID 264505) Job Location: Paducah, KY Contractor: Jim Smith Contracting Co, LLC				Plant: 100 6/12/2026 7:49:43 AM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: 152+51 LT S-1 CBIB										
P1		BX2424-08BAVF			BOX BASE 8inW, 8inF, Variable Ht F/n					
P4) 8" x 120" - CB INLET KY B 10' TOP F/G - 9" P3) 24" x 120" - CB INLET KY B 10' BOTTOM RIGHT T/G - 17" P2) 24" x 24" - FIELD ADJUSTMENT - 2" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 32" 1) CASTING - HOE KY-345 SET (CBI B) 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 22					1660 lb 2650 lb 0 lb 3313 lb 290 lb 0 lb 0 lb ----- Structure Total: 7913 lb		Structure Notes: . ** KYTC STATE PROJECT ** 1. PER KYTC CBI TYPE B / ASTM C913 SPEC'S. 2. CONCRETE = 4,000 PI AT 28 DAYS. 3. CASTING BT ICAST (HOE KY-345 F/G(CBI-B) . REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 375.64' Rim to Invert: 5.03' Slack: 0.36" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	370.61'	270°	20"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 2	370.61'	180°	20"	18" CMP	19"	Hole 22	22"	22"	-2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimenions)  INSIDE WALL DIMENSIONS  										
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 32" Height (Ext): 40"		Weight (Net): 3313 lb Volume (Net): 0.85cu.yd	

GENERAL NOTES:

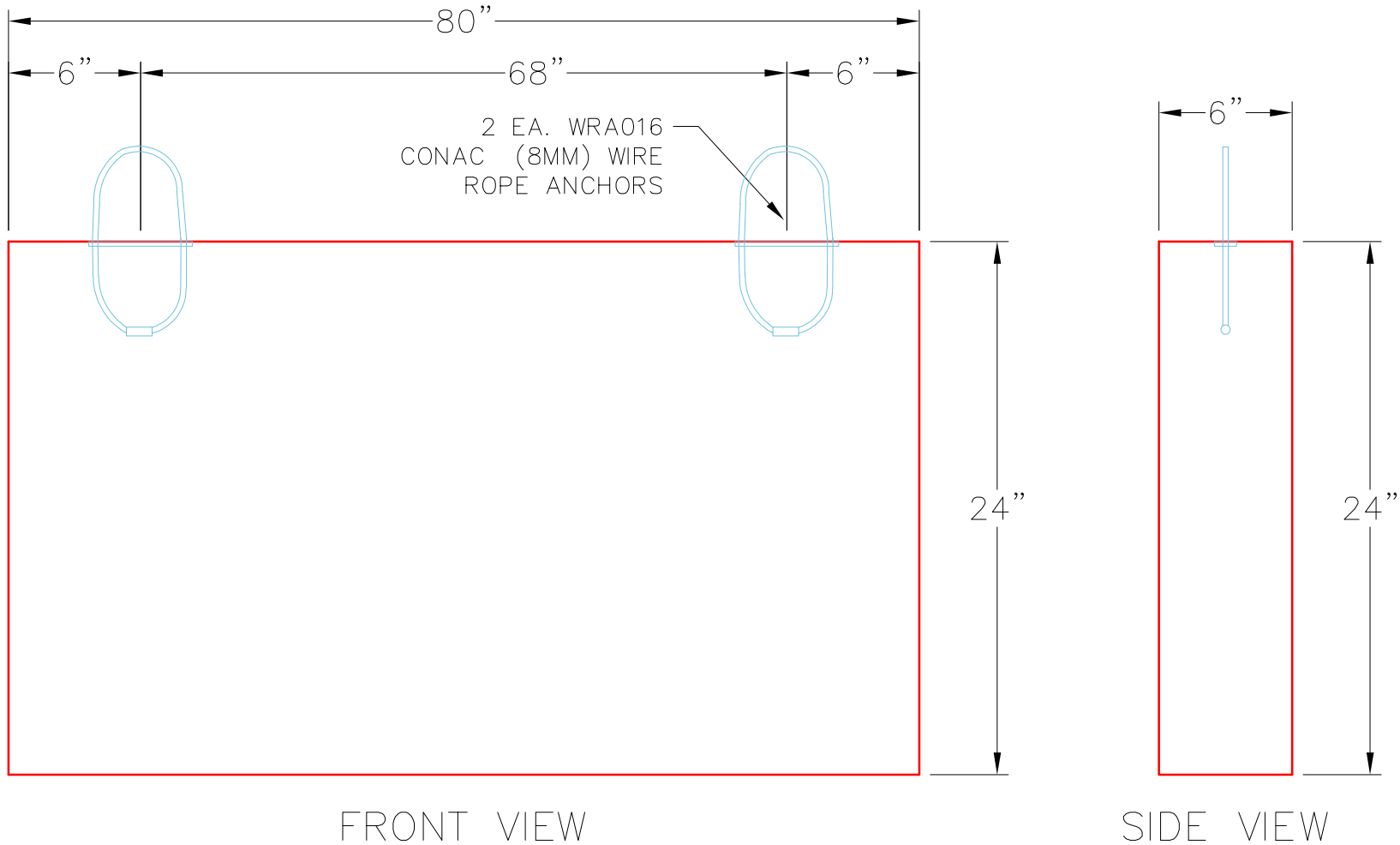
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 12" C/C E.W. 2" COVER MIN.
4. WEIGHT: 653 LBS. EACH
5. CONTRACTOR TO SECURE FES TOE TO THE FES.



PRODUCTION WORK ORDER		PRODUCT I.D.: FES24B-TB	DESCRIPTION: TOE FOR 24" FES	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: RUSSELL'S EXCAVATING	
		PLANT: BEAVER DAM, KY.	PROJECT: PROJECT COLT	
		WEIGHT: 653 LBS.	STRUCTURE: 402-32 FES TOE	
		TOP SECTION JOINT: N/A	ORDER NO: 26-1227	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: J. COPPAGE
		QC CHECK INITIALS:	DATE: 6/26/26	SCALE: NTS PG. 1 of 1

GENERAL NOTES:

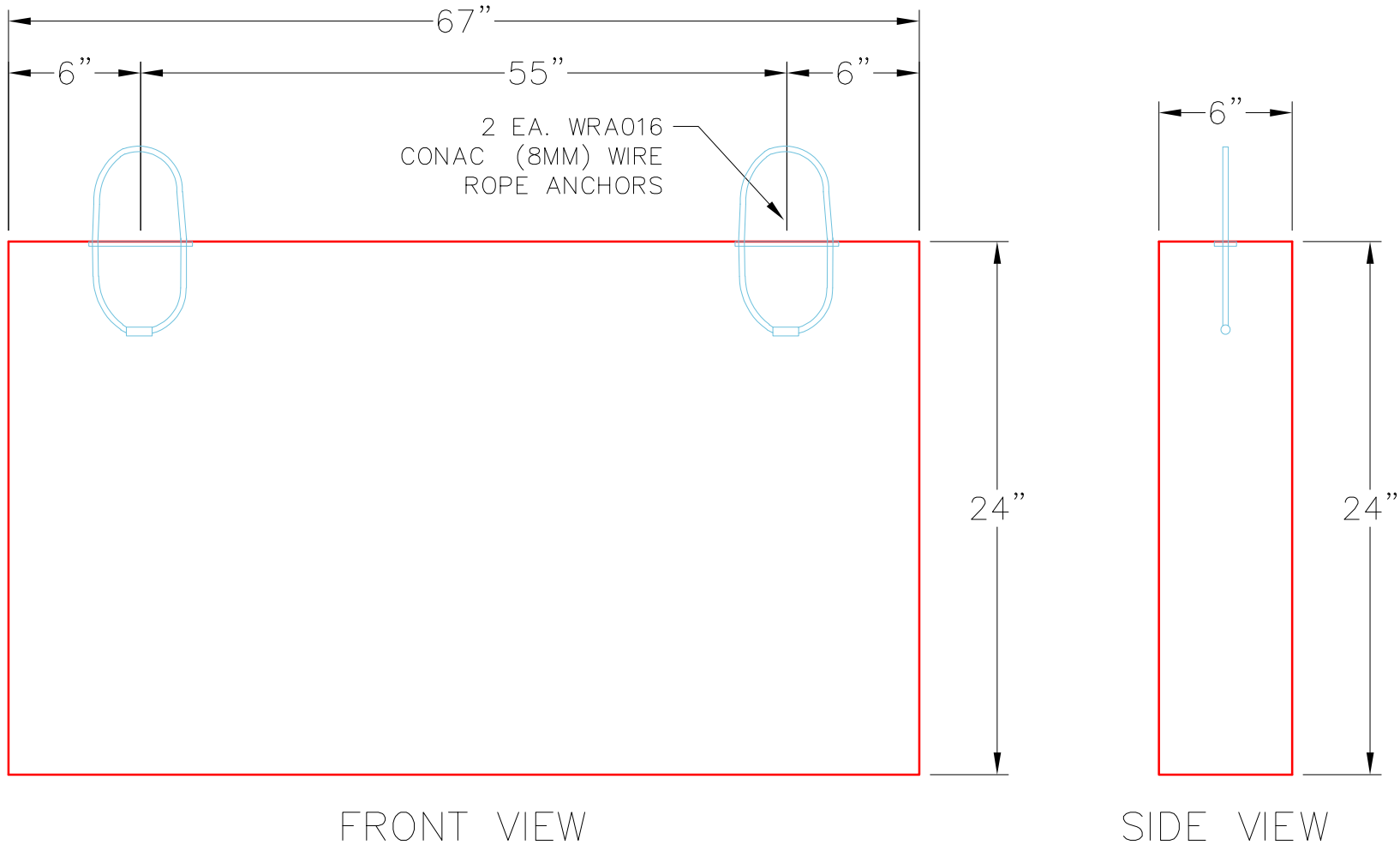
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 12" C/C E.W. 2" COVER MIN.
4. WEIGHT: 967 LBS. EACH
5. CONTRACTOR TO SECURE FES TOE TO THE FES.



PRODUCTION WORK ORDER		PRODUCT I.D.: FES36B-TB	DESCRIPTION: TOE FOR 36" FES	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: RUSSELL'S EXCAVATING	
		PLANT: BEAVER DAM, KY.	PROJECT: PROJECT COLT	
		WEIGHT: 967 LBS.	STRUCTURE: 104-14 FES TOE	
		TOP SECTION JOINT: N/A	ORDER NO: 26-1227	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: J. COPPAGE
		QC CHECK INITIALS:	DATE: 6/26/26	SCALE: NTS PG. 1 of 1

GENERAL NOTES:

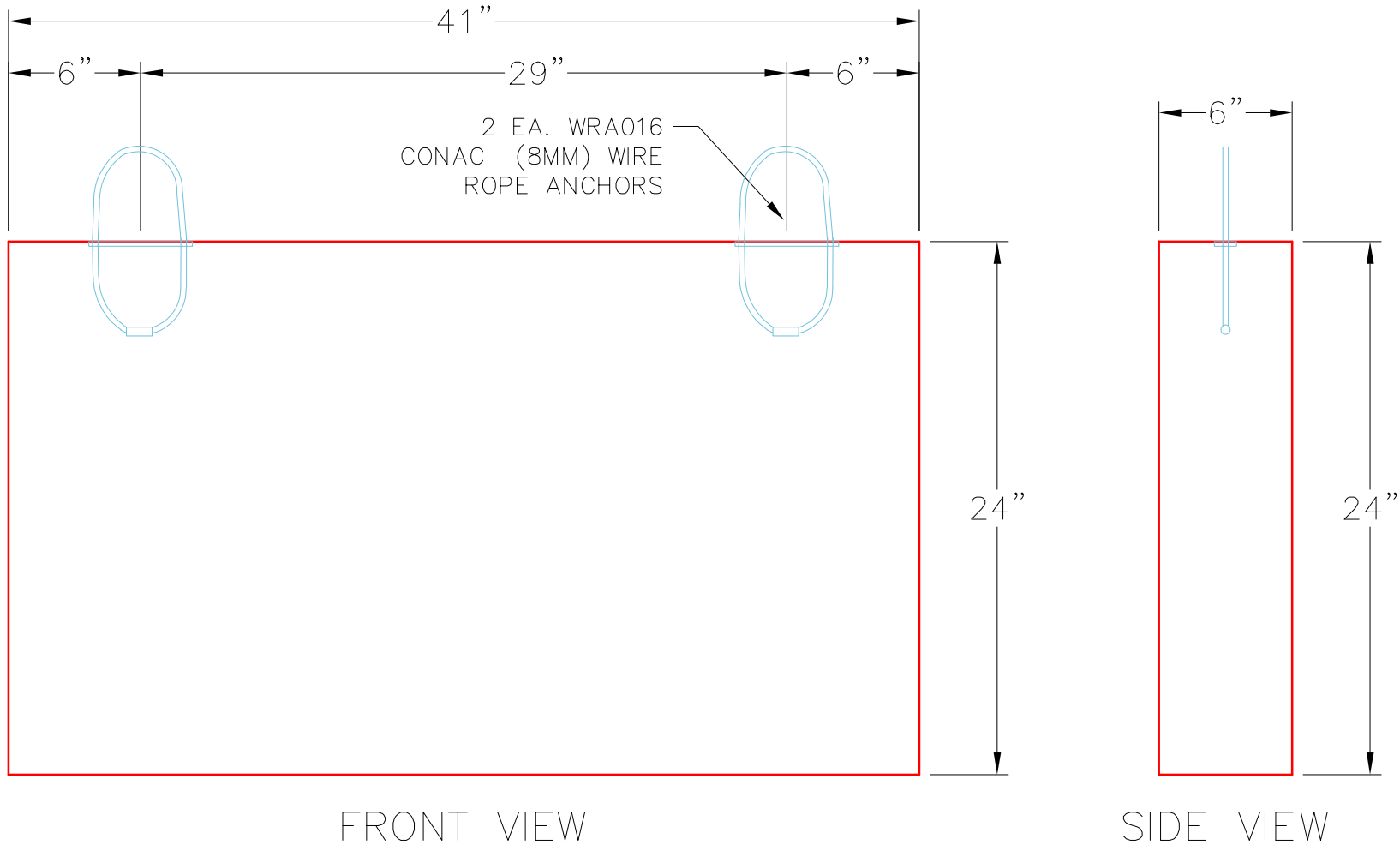
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 12" C/C E.W. 2" COVER MIN.
4. WEIGHT: 810 LBS. EACH
5. CONTRACTOR TO SECURE FES TOE TO THE FES.



PRODUCTION WORK ORDER		PRODUCT I.D.: FES30B-TB	DESCRIPTION: TOE FOR 30" FES	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: RUSSELL'S EXCAVATING	
		PLANT: BEAVER DAM, KY.	PROJECT: PROJECT COLT	
		WEIGHT: 810 LBS.	STRUCTURE: 100-10 FES TOE	
		TOP SECTION JOINT: N/A	ORDER NO: 26-1227	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: J. COPPAGE
		QC CHECK INITIALS:	DATE: 6/26/26	SCALE: NTS PG. 1 of 1

GENERAL NOTES:

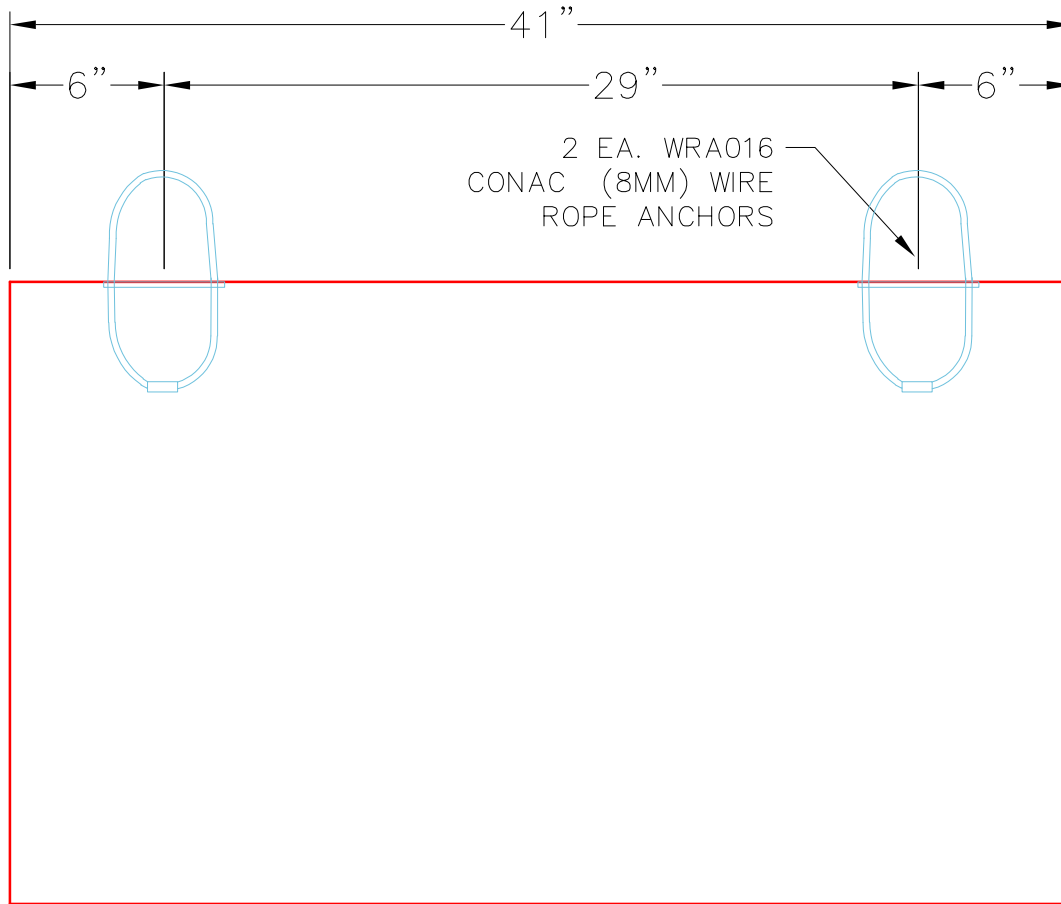
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 12" C/C E.W. 2" COVER MIN.
4. WEIGHT: 495 LBS. EACH
5. CONTRACTOR TO SECURE FES TOE TO THE FES.



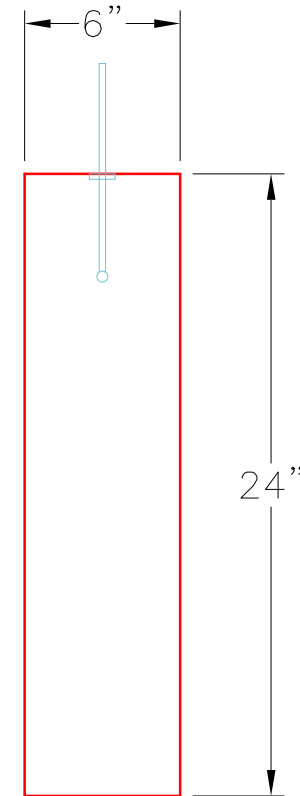
PRODUCTION WORK ORDER		PRODUCT I.D.: FES18B-TB	DESCRIPTION: TOE FOR 18" FES	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: RUSSELL'S EXCAVATING	
		PLANT: BEAVER DAM, KY.	PROJECT: PROJECT COLT	
		WEIGHT: 495 LBS.	STRUCTURE: 300-9 FES TOE	
		TOP SECTION JOINT: N/A	ORDER NO: 26-1227	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: J. COPPAGE
		QC CHECK INITIALS:	DATE: 6/26/26	SCALE: NTS PG. 1 of 1

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 12" C/C E.W. 2" COVER MIN.
4. WEIGHT: 495 LBS. EACH
5. CONTRACTOR TO SECURE FES TOE TO THE FES.



FRONT VIEW

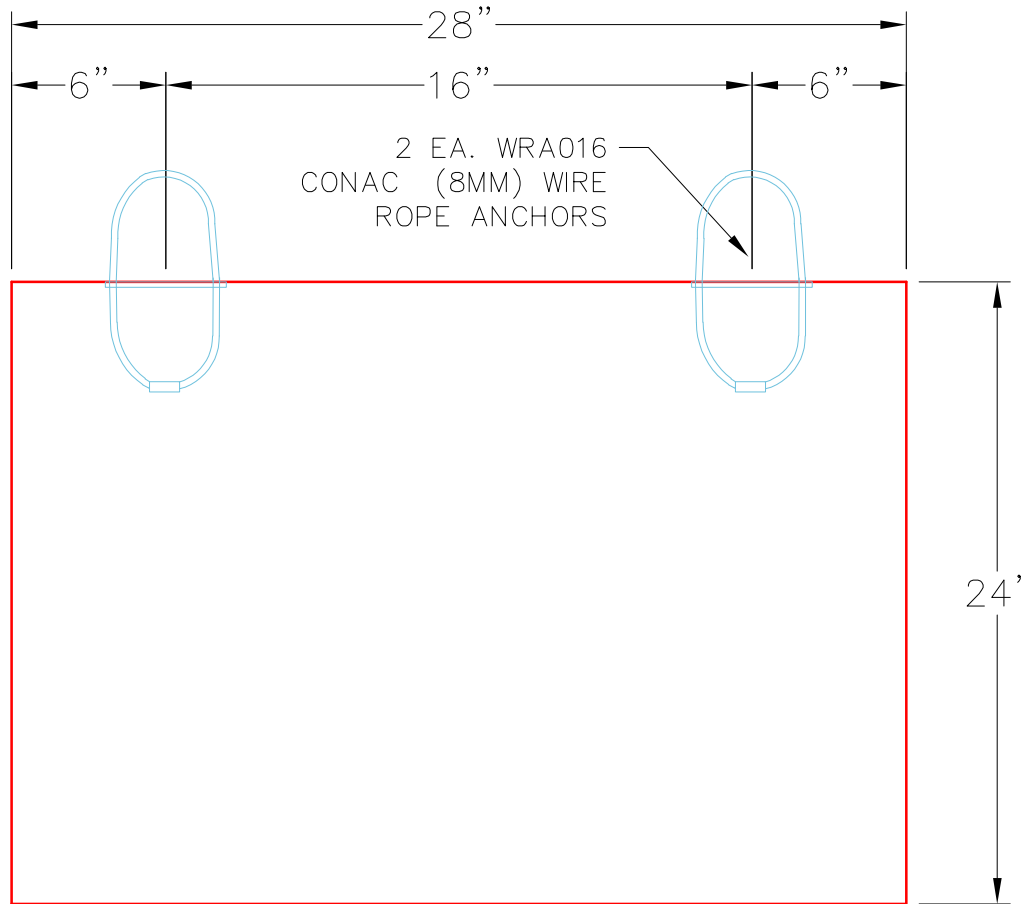


SIDE VIEW

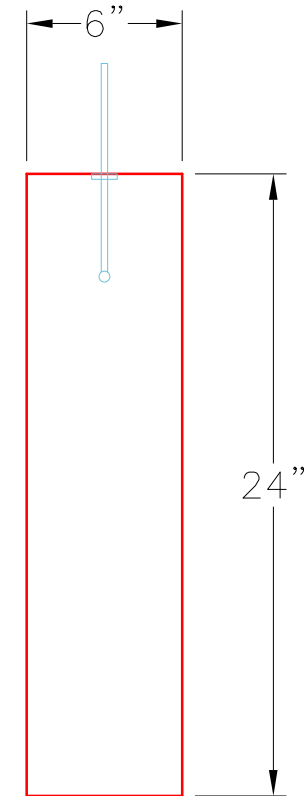
PRODUCTION WORK ORDER		PRODUCT I.D.: FES18B-TB	DESCRIPTION: TOE FOR 18" FES	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: RUSSELL'S EXCAVATING	
		PLANT: BEAVER DAM, KY.	PROJECT: PROJECT COLT	
		WEIGHT: 495 LBS.	STRUCTURE: 304-4 FES TOE	
		TOP SECTION JOINT: N/A	ORDER NO: 26-1227	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: J. COPPAGE
		QC CHECK INITIALS:	DATE: 6/26/26	SCALE: NTS PG. 1 of 1

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 12" C/C E.W. 2" COVER MIN.
4. WEIGHT: 338 LBS. EACH
5. CONTRACTOR TO SECURE FES TOE TO THE FES.



FRONT VIEW

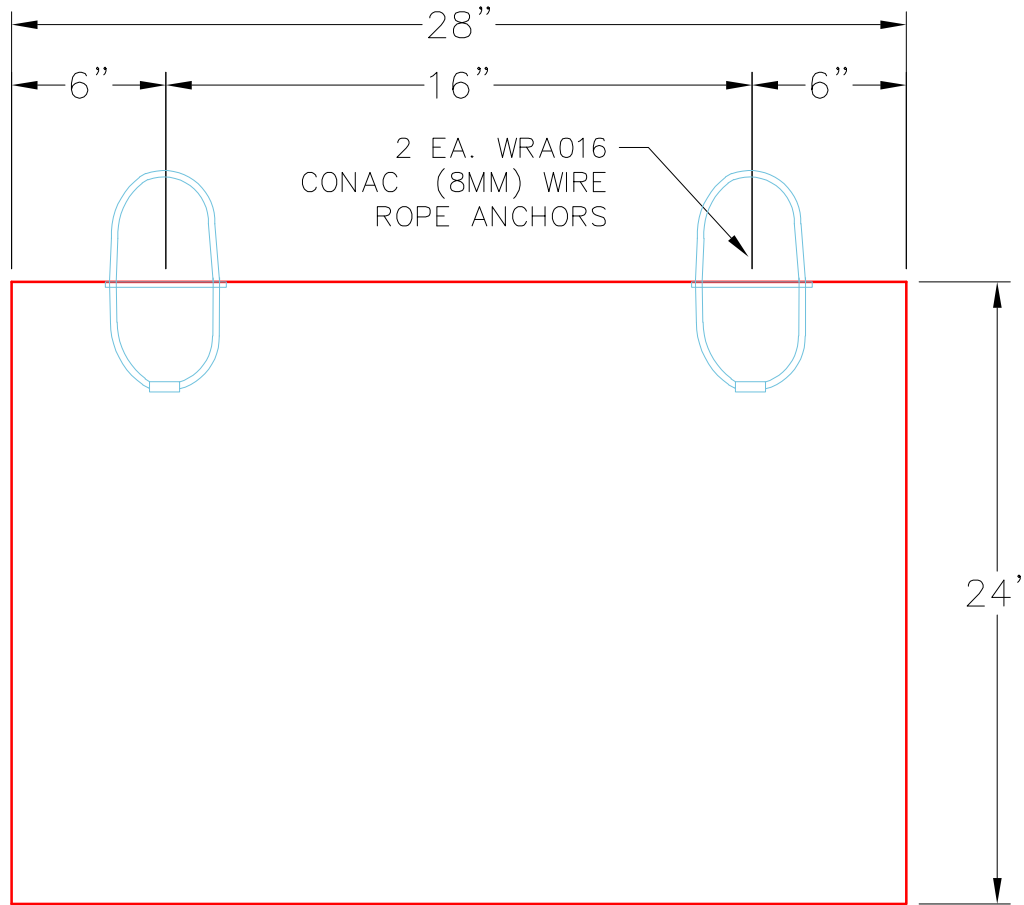


SIDE VIEW

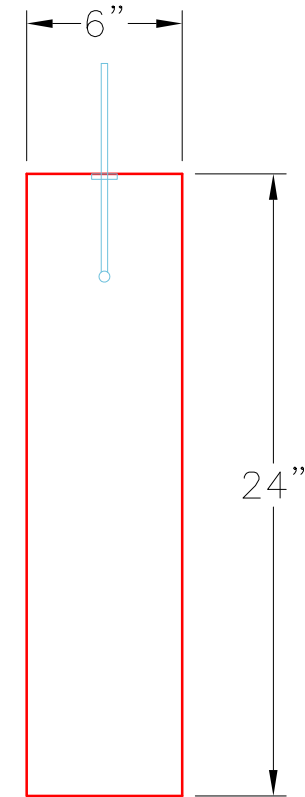
PRODUCTION WORK ORDER		PRODUCT I.D.: FES12B-TB	DESCRIPTION: TOE FOR 12" FES	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: RUSSELL'S EXCAVATING	
		PLANT: BEAVER DAM, KY.	PROJECT: PROJECT COLT	
		WEIGHT: 338 LBS.	STRUCTURE: 401-3 FES TOE	
		TOP SECTION JOINT: N/A	ORDER NO: 26-1227	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: J. COPPAGE
		QC CHECK INITIALS:	DATE: 6/26/26	SCALE: NTS PG. 1 of 1

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 @ 12" C/C E.W. 2" COVER MIN.
4. WEIGHT: 338 LBS. EACH
5. CONTRACTOR TO SECURE FES TOE TO THE FES.



FRONT VIEW



SIDE VIEW

PRODUCTION WORK ORDER		PRODUCT I.D.: FES12B-TB	DESCRIPTION: TOE FOR 12" FES	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ OPENING CENTERED. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: RUSSELL'S EXCAVATING	
		PLANT: BEAVER DAM, KY.	PROJECT: PROJECT COLT	
		WEIGHT: 338 LBS.	STRUCTURE: 400-2 FES TOE	
		TOP SECTION JOINT: N/A	ORDER NO: 26-1227	
		BASE SECTION JOINT: N/A	PC: A. CHAMBERS	DRAWING: J. COPPAGE
		QC CHECK INITIALS:	DATE: 6/26/26	SCALE: NTS PG. 1 of 1

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

Plant: Beaver Dam

6/9/2026 10:40:19 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R12

P3 GR28x28x8x3

GRADE RING F/F

P4) 28" x 28" - CASTING HEIGHT - 5"
P3) 28" x 28" - GRADE RING F/F - 3"
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"
P1) 48" - MH BASE T/n - 48"
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT
1) CASTING - JBS 3104-V SINGLE SET
1) 48" - Conseal CS-102 1.00"
2) 28" x 28" - Conseal CS-102 1.00"
2) Hole - 26
4) MH Step ML-10-TDS-NCR - 10"

0 lb
290 lb
1368 lb
4217 lb
1075 lb
250 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 7200 lb

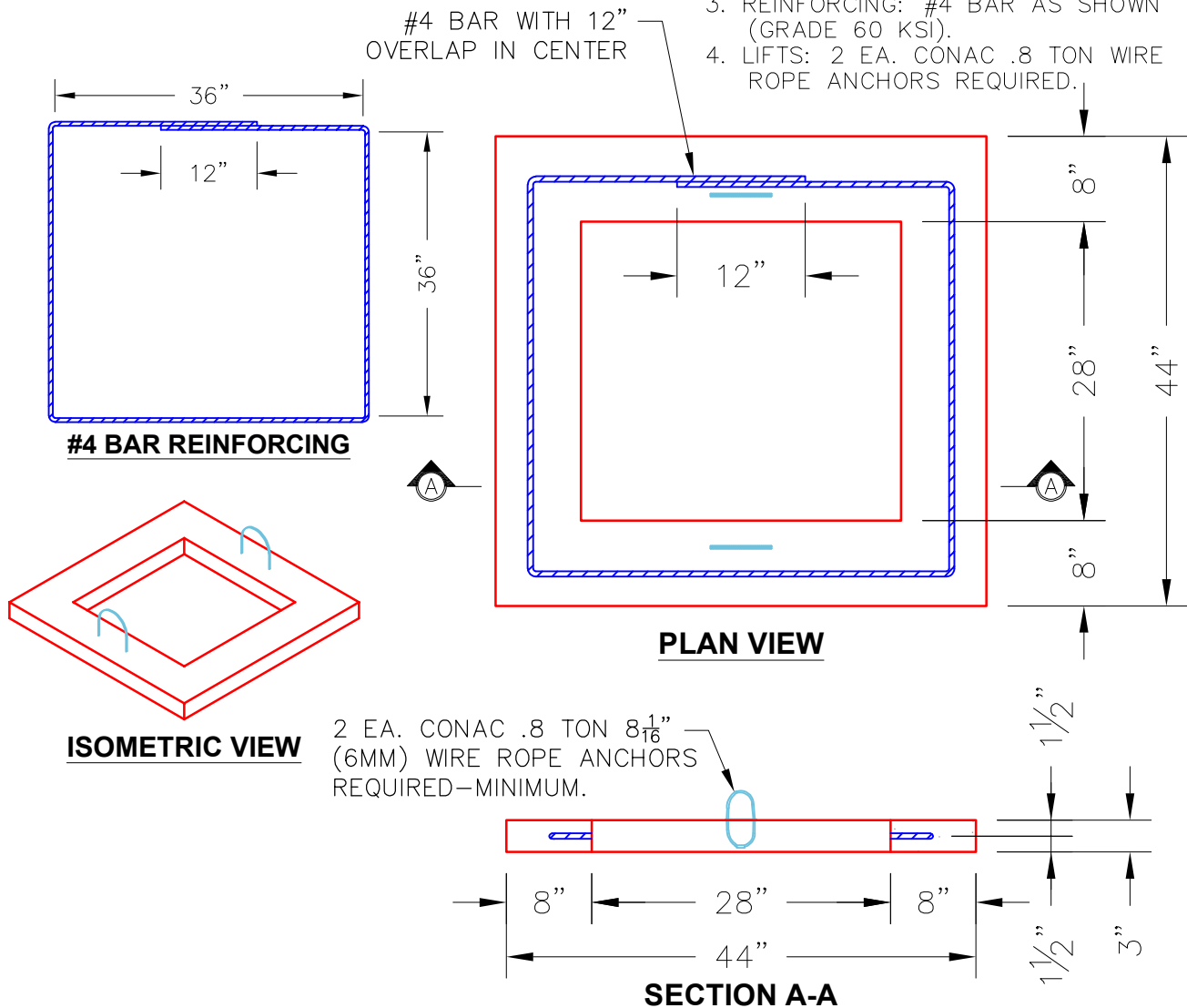
Structure Notes:

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

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

NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE = 4,000 PSI @ 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: 8"

Height (Ext): 3"

Weight (Net): 290 lb
Volume (Net): 0.07cu.yd

C:\USERS\GABRIELA\GIMPEL\ONEDRIVE - THE QUIKRETE COMPANIES\DYNAMICS\965 - CONTECH - PROJECTS\868959\PRODUCTS\10-KRAKEN FILTER PEAK DIVERSION VAULT 6-6\DRAWINGS\868959-10-KFPD0606-CONFAB-365.DWG 6/24/2026 3:03 PM

COOK OUT - ANTIOCH

ANTIOCH, TN

FABRICATION PACKAGE

HC KRAKEN KFPD0606 - 868959-10 SITE DESIGNATION

MATERIAL LIST (INCLUDED WITH STRUCTURE DELIVERY UNLESS NOTED OTHERWISE)

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
24	30" KRAKEN FILTER		CONTECH	PRECASTER
8	30" DRAINDOWN FILTER		CONTECH	PRECASTER
8	QUARTER TURN ADAPTER COVER		CONTECH	PRECASTER
1	KFPD-6-6 INTERNALS KIT AND HARDWARE	HCKF-6-6	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		CONTECH	CONTRACTOR
1	24"Ø x 4" FRAME AND COVER, EJ #41600389, OR EQUIV., CAST-IN TO TOP SLAB	325-000350	CONTECH	PRECASTER
1	30"Ø x 4" FRAME AND COVER, EJ #41600483, OR EQUIV. CAST-IN TO TOP SLAB	325-000332	CONTECH	PRECASTER

GENERAL NOTES

1. DESIGN LOADING - AASHTO HS-20
2. DESIGN SPECIFICATION - ACI 318-14
3. JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
4. CONCRETE MINIMUM STRENGTH - 5,000 PSI AT 28 DAYS
5. EARTH COVER VARIES FROM 0' MIN. - 2' MAX.
6. GROUND WATER ELEVATION AT OUTLET PIPE INVERT
7. MANUFACTURING TOLERANCE = +/- 1/2-INCH
8. SOME HIDDEN LINES MAY BE OMITTED FOR CLARITY.

INSTALLATION NOTES

- A. PRECASTER TO CAST ACCESS FRAME INTO TOP SLAB AND SHIP COVER WITH STRUCTURE
- B. REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- C. PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE.
- D. PRECASTER TO INSTALL ALL CARTRIDGES PRIOR TO SHIPPING UNLESS NOTED OTHERWISE.
- E. APPLYING ALIGNMENT MARKS ON ALL PIECES OF MULTIPLE PIECE ASSEMBLIES IS ENCOURAGED.
- F. IF STRUCTURE IS DELIVERED IN MULTIPLE SECTIONS, EACH PIECE SHALL BE LABELED WITH THE CONTECH PROJECT NUMBER, SEQUENCE NUMBER AND SITE DESIGNATION.
- G. ACCESS STEPS, IF REQUIRED, SHALL BE INSTALLED IN ACCORDANCE WITH ASTM-478 AND AASHTO M-199.
- H. PRECASTER TO INSTALL TRANSFER COVER PLATE ON SEPARATION WALL.

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MARK	DATE	REVISION DESCRIPTION	BY

CONTECH

ENGINEERED SOLUTIONS

A QUIKRETE® COMPANY

71 US Route 1, Suite F, Scarborough, ME 04074

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CONTECH
FABRICATION
DRAWING

HC KRAKEN KFPD0606 - 868959-10

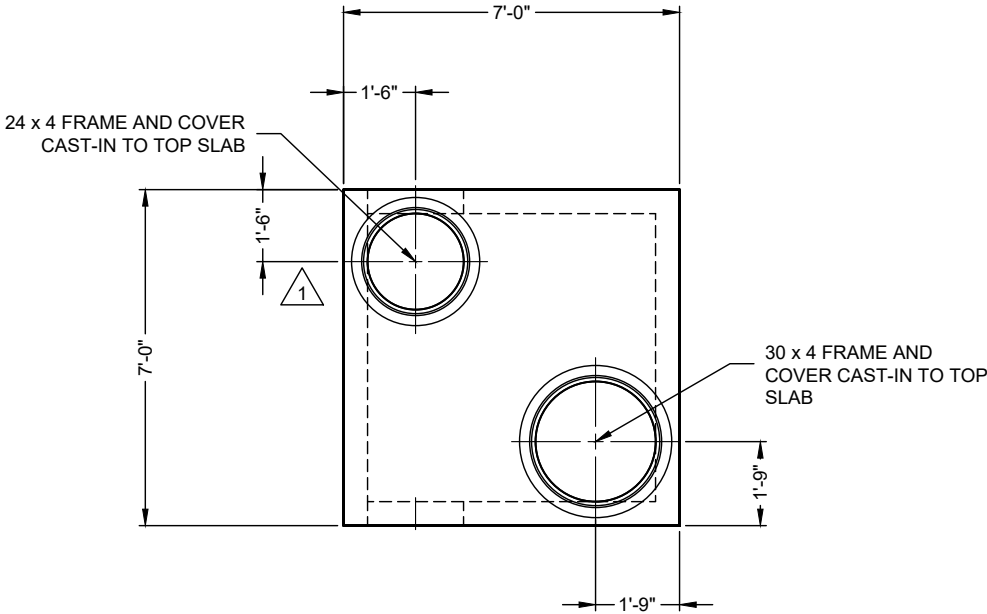
COOK OUT - ANTIOCH

ANTIOCH, TN

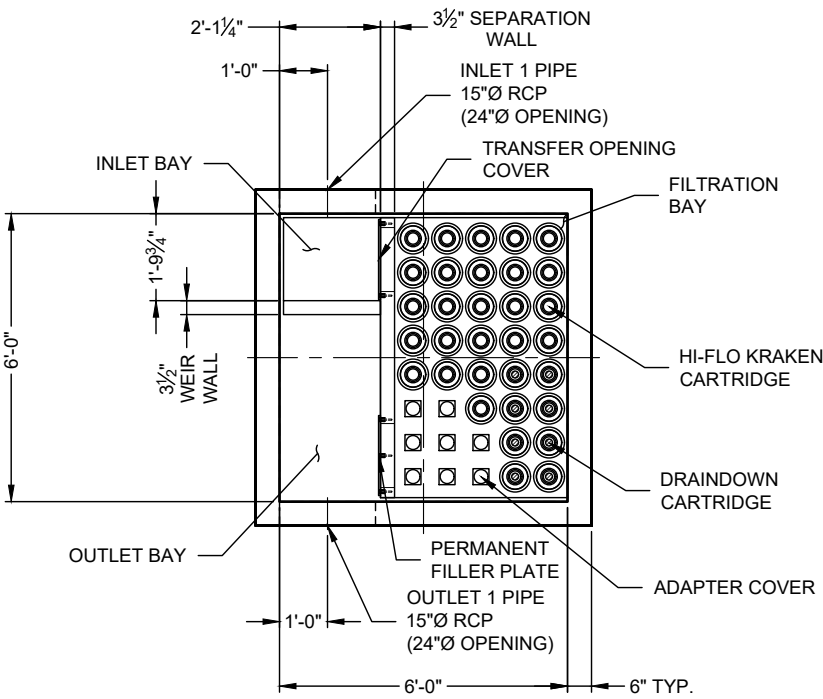
SITE DESIGNATION: SITE DESIGNATION

PROJECT No.: 868959	SEQ. No.: 10	DATE: 4/27/2026
DESIGNED: JAK	DRAWN: MLC	
CHECKED: JAK	APPROVED: JAK	
SHEET NO.: 1	OF 2	

26-2789 868959 Cook Out

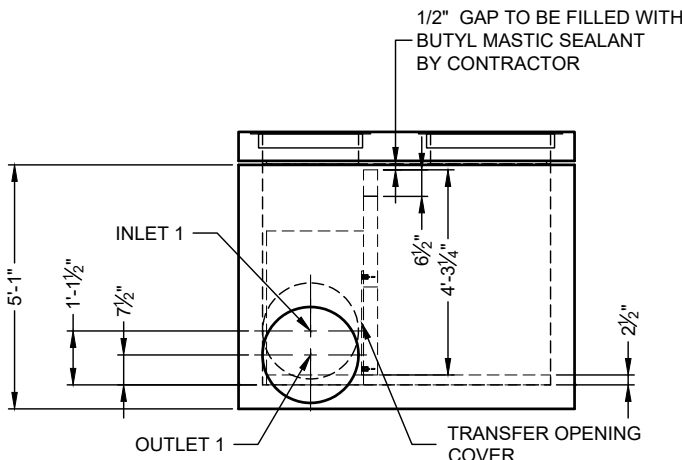


PLAN VIEW



PLAN VIEW
TOP SLAB NOT SHOWN

10-KFPD0606
ICAST to fully pre-assemble internal
materials prior to shipment



ELEVATION VIEW
FILTER CARTRIDGES NOT SHOWN

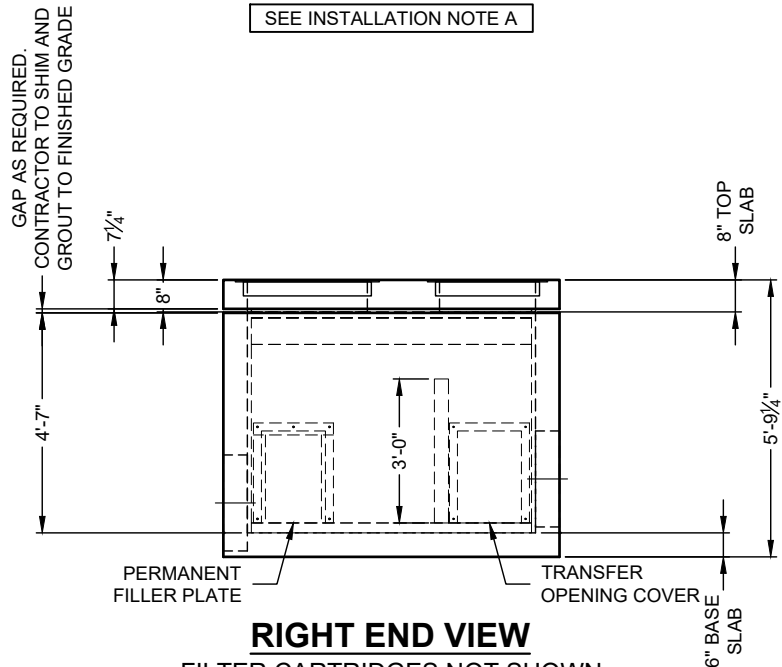
RIM ELEV. 569.35+/-
TOP OF STRUCTURE ELEV. 569.35

WEIR/TREATMENT HGL ELEV. 567.31

INLET 1 INVERT ELEV. 564.60

OUTLET 1 INVERT ELEV. 564.10

OUTSIDE BOTTOM ELEV. 563.60



RIGHT END VIEW
FILTER CARTRIDGES NOT SHOWN

SITE DESIGN DATA	
WATER QUALITY FLOW (CFS)	1.19
TOTAL CARTRIDGE FLOW RATE (CFS)	1.21
PEAK FLOW RATE (CFS)	3.40
RETURN PERIOD (YRS)	10
SURFACE LOADING	HS-20
GROUNDWATER ELEVATION*	564.10

*GROUNDWATER ELEVATION IS ASSUMED. EOR TO PROVIDE IF KNOWN

STRUCTURE DETAILS	
NUMBER OF DELIVERED PIECES (RISERS TO GRADE NOT NEEDED)	2
MAXIMUM FOOTPRINT	7.00' x 7.00'
DELIVERED HEAVIEST PICK*	13050 LB.
TOP SLAB * INCLUDES ACCESS CASTINGS CAST-IN TO TOP SLAB	4850 LB.
BASE SECTION	12550 LB.
INTERNAL COMPONENTS	225 LB.
CARTRIDGES (32)	275 LB.

*BASE SECTION SHIPPED WITH INTERNAL COMPONENTS AND CARTRIDGES INSTALLED

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MARK	DATE	REVISION DESCRIPTION	BY
1	06/24/26	CASTING DIMENSION	GKG

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CONTECH FABRICATION DRAWING

HC KRAKEN KFPD0606 - 868959-10

COOK OUT - ANTIOCH

ANTIOCH, TN

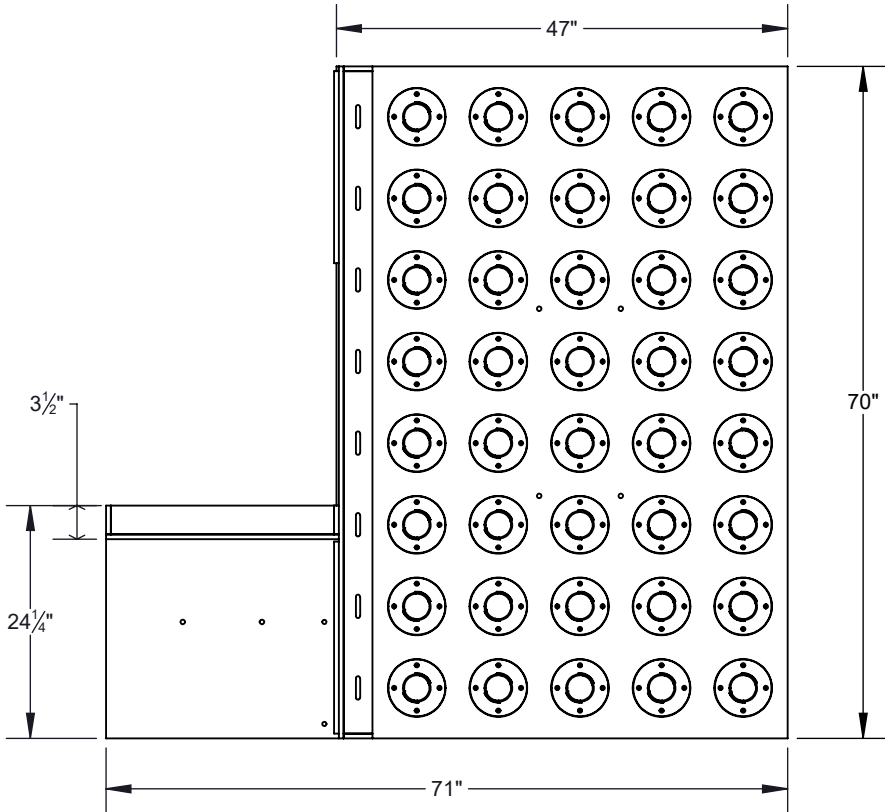
SITE DESIGNATION: SITE DESIGNATION

PROJECT No.: 868959	SEQ. No.: 10	DATE: 4/27/2026
DESIGNED: JAK	DRAWN: MLC	
CHECKED: JAK	APPROVED: JAK	
SHEET NO.: 2	OF 2	

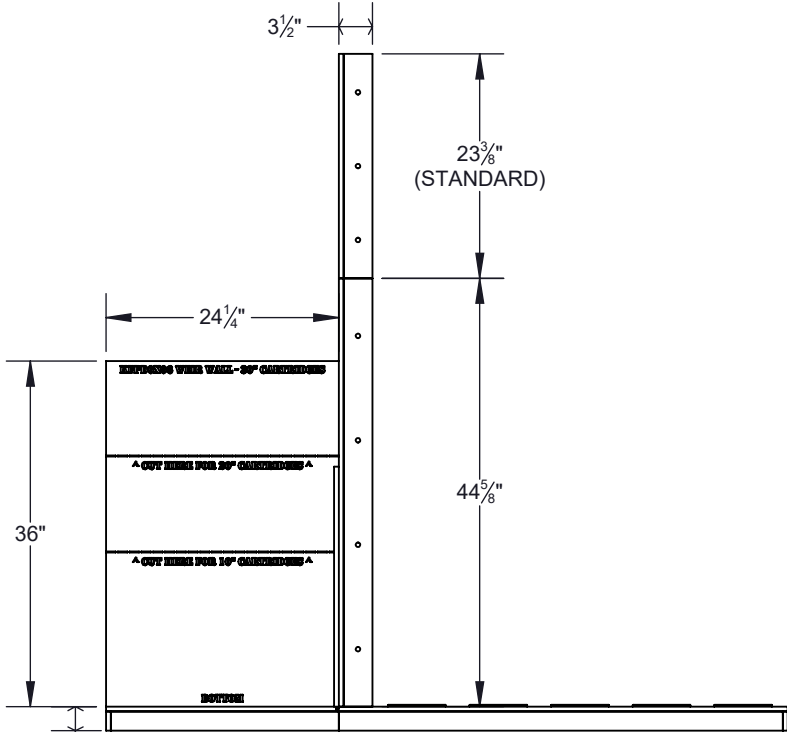
ICAST
5888 / 757440
LAYOUT 6 / CLASS 1
KFPD-6-6
8.12 TS
0.00 TR

26-2789 868959 Cook Out

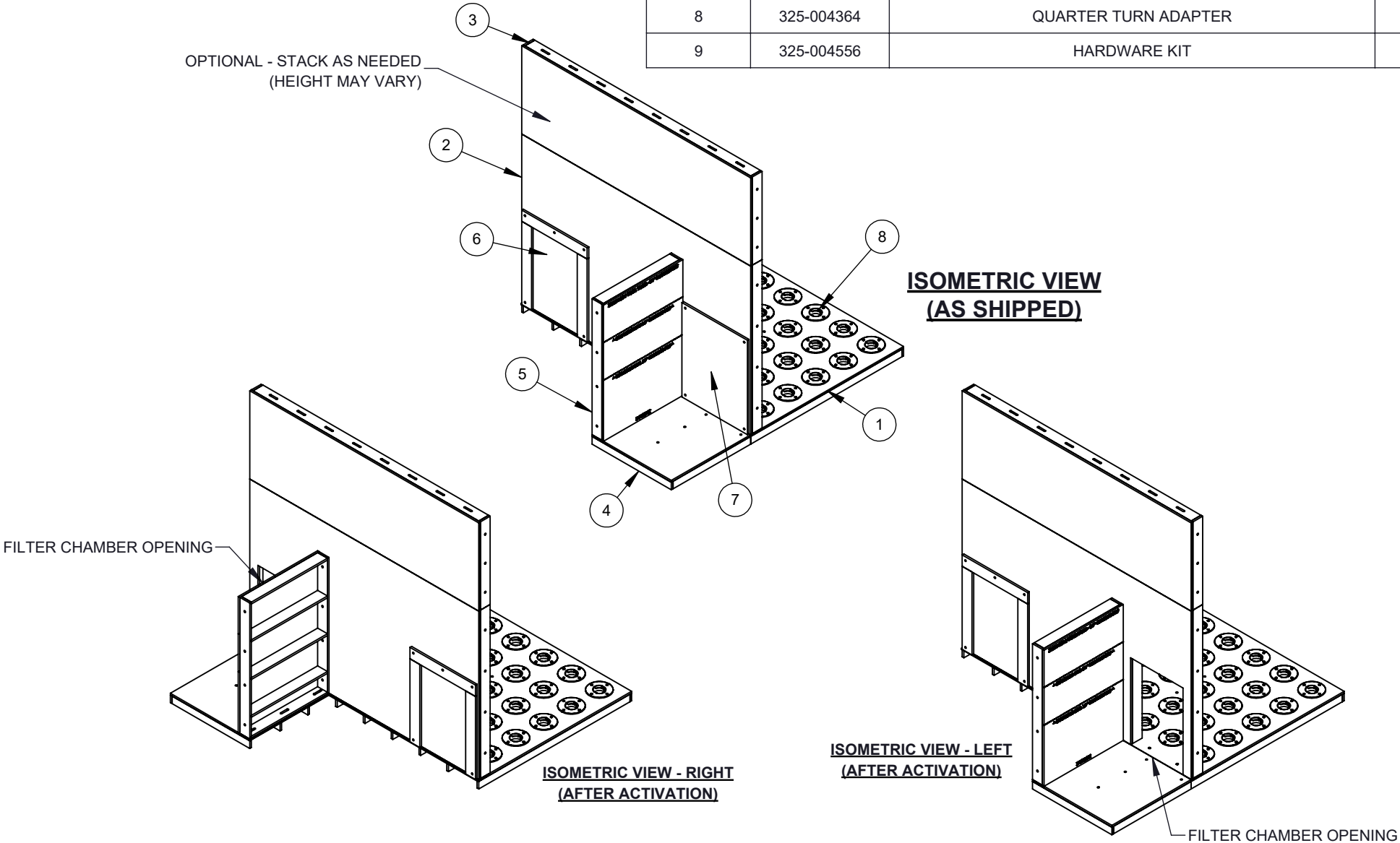
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	325-004607	6FT 5-ROW END FLOOR (T-NUTS) - 70" X 47" X 2.5"	1
2	325-004573	6FT SEPARATOR WALL BOTTOM SECTION - 70" X 44.625" X 3.5"	1
3	325-004400	6FT SEPARATOR WALL TOP SECTION - 70" X 23.375" X 3.5"	1
4	325-004592	KFPD0606 INLET FLOOR - 24.25" X 24.25" X 2.5"	1
5	325-004550	KFPD0X06 WEIR WALL 30" CARTRIDGES - 36" X 24.25" X 3.5"	1
6	325-004576	6FT SEPARATOR WALL FILLER PLATE - 25" X 20" X 4"	1
7	325-004587	TRANSFER COVER - 25" X 20" X 0.5"	1
8	325-004364	QUARTER TURN ADAPTER	40
9	325-004556	HARDWARE KIT	1



PLAN VIEW



ELEVATION VIEW



- NOTES:
1. APPROXIMATE TOTAL WEIGHT: 235 LBS (NOT INCLUDING CARTRIDGES)
 2. SEE INSTALLATION GUIDE FOR ADDITIONAL INFORMATION
 3. SEE PROJECT DETAILS FOR ADDITIONAL INFORMATION REGARDING SEPARATOR WALL TOP SECTION HEIGHTS
 4. TRANSFER COVER REMOVED UPON ACTIVATION. SEE INSTALLATION GUIDE FOR DETAILS

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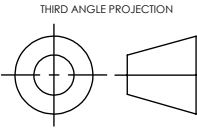
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REFERENCE DETAILS
KFPD0606 FULL HEIGHT
30-INCH CARTRIDGES

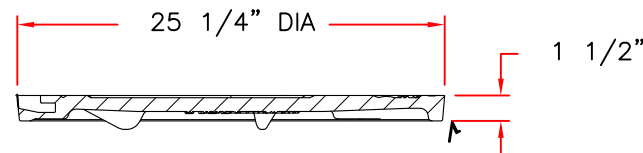
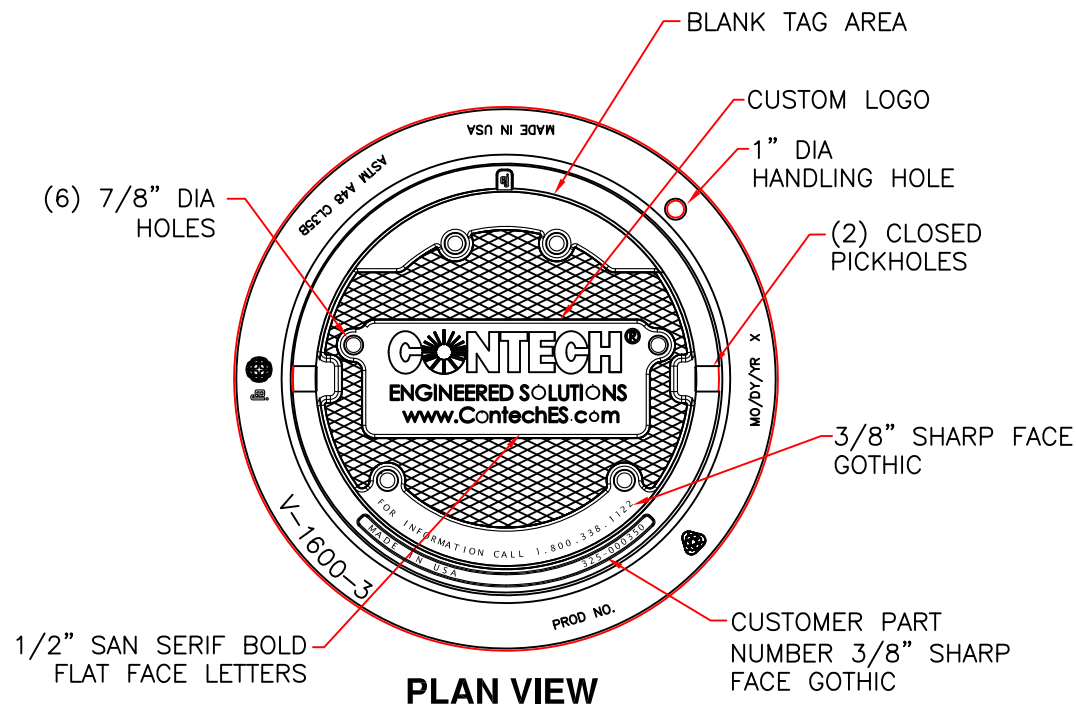


UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

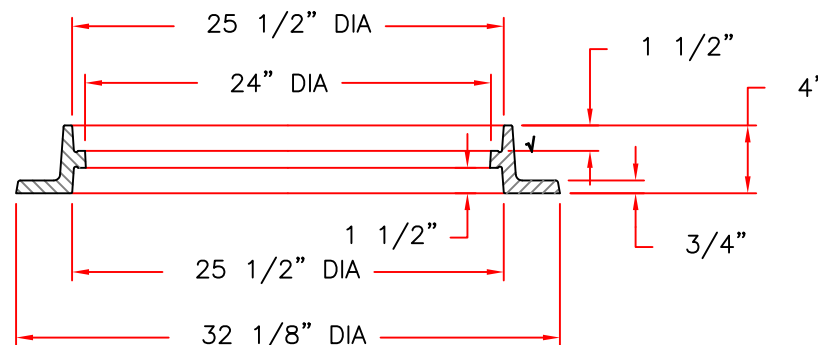
TOLERANCES:
FRACTIONAL ± 1/16
ANGLES ± 1 DEGREE
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.030

DRAWING NUMBER: KFPD0606 FULL-30			
APPROVED BY: J. HARLOW	DRAWN BY: J. FORST		
APPROVED BY DATE: 2025.12.09	DRAWN BY DATE: 2025.12.05	REV:	A
SCALE: N/A	SHEET 1 OF 1		

V1600-3 V1610-3 Assembly



COVER SECTION



RING SECTION

Product Number

41600389

Design Features

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

- Design Load
 - Heavy Duty
- Open Area
 - n/a
- Coating
 - Undipped
- √ Designates Machined Surface

Certification

-
- ASTM A48
-
- Country of Origin: USA

Major Components

41600310
41600374

Drawing Revision

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

Disclaimer

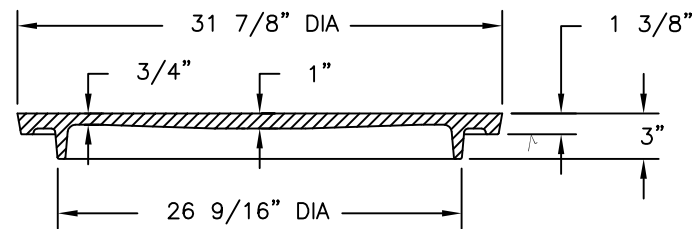
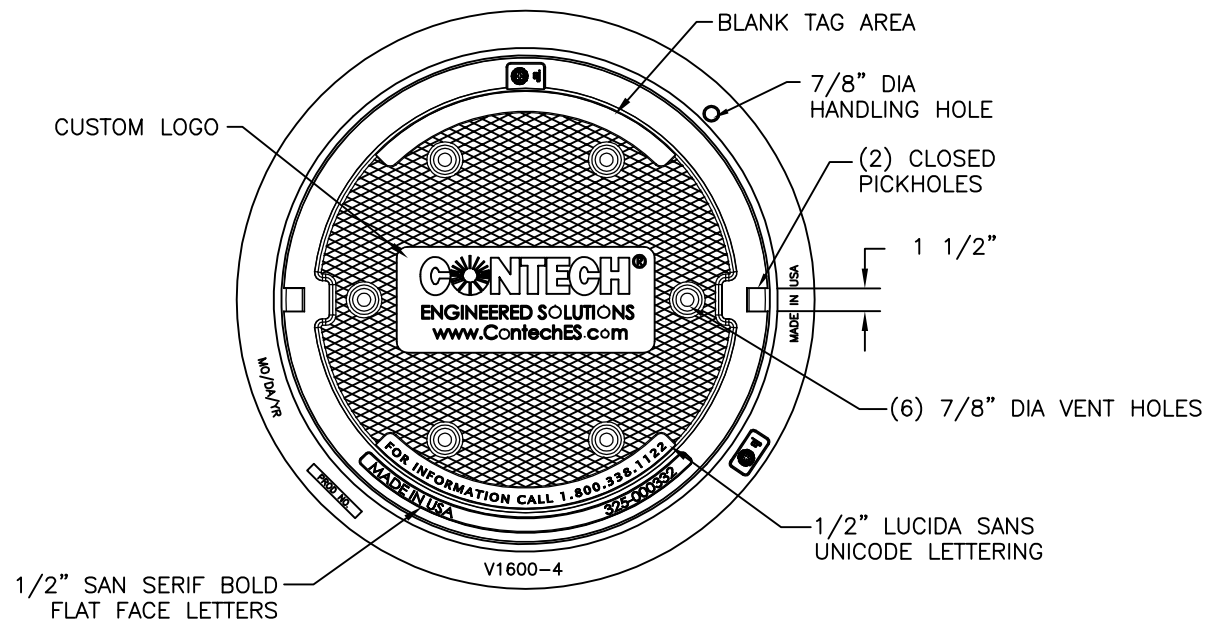
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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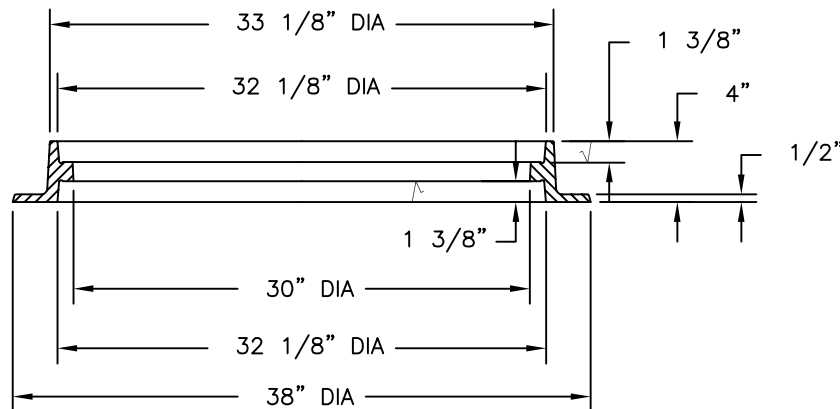
Contact

800 626 4653
ejco.com

1810B4 V1600-4 Assembly



COVER SECTION



FRAME SECTION

Product Number

41600483

Design Features

-Materials

Cover

Gray Iron (CL35B)

Frame

Gray Iron (CL35B)

-Design Load

Heavy Duty

-Open Area

n/a

-Coating

Undipped

-✓ Designates Machined Surface

Certification

- ASTM A48

-Country of Origin: USA

Major Components

00180783

41600410

Drawing Revision

05/09/2007 Designer: SMH

6/26/2017 Revised By: DAE

Disclaimer

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

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HIGH CAPACITY (HC) KRAKEN POST-INSTALLTION CHECKLIST

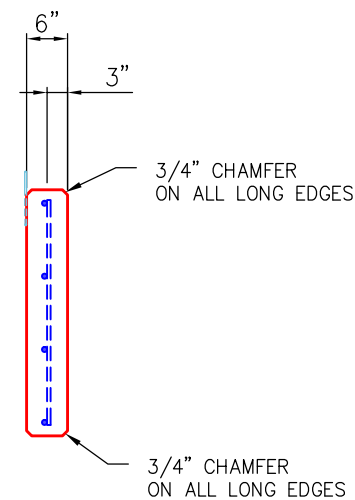
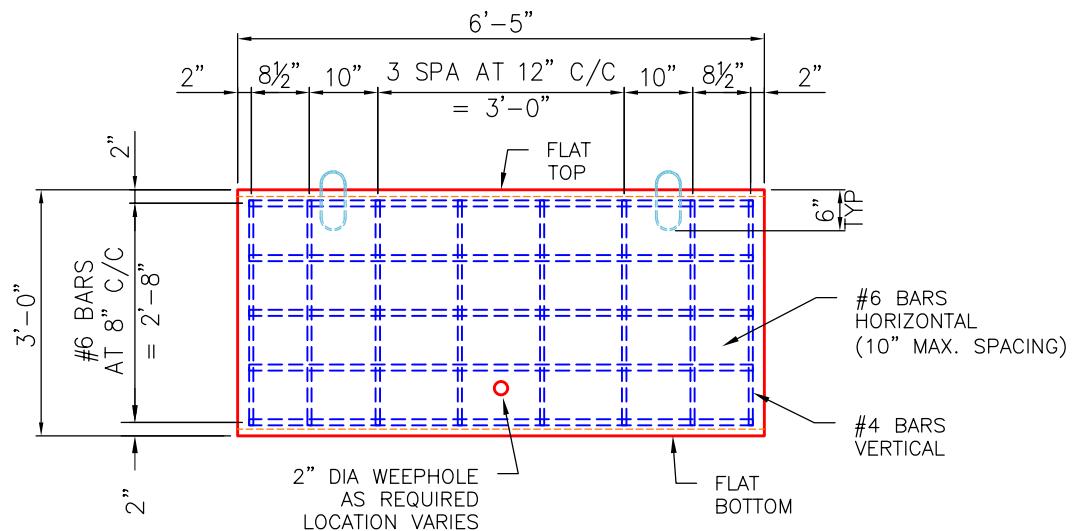
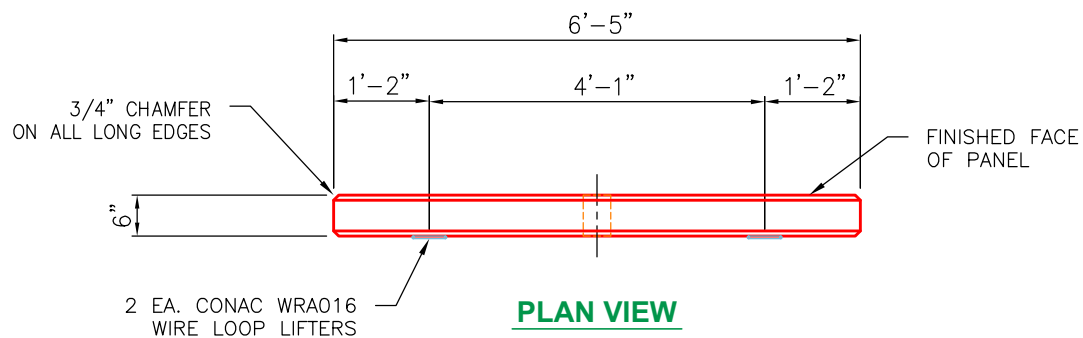
Project Name/Number /

Post-Installation Check Point(s)		Comments
False Floor sections securely anchored-in with 3/8" wedge anchors (all floor 15/32" pre-drilled holes are filled)	☐	
Separator Wall (bottom section) securely bolted into the false floor with long hex head bolts	☐	
Separator Wall (Transfer Window) is aligned with the inlet bay floor section	☐	
Floor bolts installed and sealed (w/sika) within the Transfer Bay Opening	☐	
If required, Separator Wall (top section) securely anchored to bottom wall section	☐	
Separator Wall trimmed down to required height, approximately 1-2" below structure height	☐	
If Wall Stiffener was removed during trimming, secure new stiffener section atop the separator wall to accommodate butyl mastic	☐	
Separator Walls securely anchored to structure walls with 3/8" wedge anchors	☐	
Weir Wall securely bolted to inlet bay floor and separator wall	☐	
Weir Wall Stiffeners are facing the outlet bay	☐	
Weir Wall securely anchored to structure wall with 3/8" wedge anchors	☐	
Backer Road & Sika installed in gaps between structure and separator/weir walls	☐	
Floor Clips installed in false floor, as needed	☐	
Grout or Sika applied along gaps about the perimeter of the false floor	☐	
Transfer Cover installed with four (4) hex head bolts	☐	
Transfer Cover & Opening scuffed, sika primed, and sika applied about the perimeter	☐	
Plug Covers (PVC disks) installed over all unutilized cartridge couplers	☐	
Kraken Cartridges installed and locked-in. Correct filter height and count as per Fabrication Drawing	☐	
Kraken Cartridge Handles all facing in same (perpendicular) direction	☐	
Drain Down Cartridges properly labeled, correct count and floor location	☐	
Inlet & Outlet Openings stenciled correctly	☐	
Transfer Cover correct stencil applied (Online/Offline)	☐	
HC Kraken & Contech exterior stenciling applied as per Contech stenciling standards	☐	

Signature

Date

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:22:03 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P4-P5											
P1 CUSTOM WALL				WALL PANEL 6" THICK F/F							
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 ----- 0 lb Structure Total: 4193 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: 700'		Rim to Invert: 5'		Slack: 0"		Sump: 48"		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											
(P3) (P2) (P1) << 6" 6" 6" RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions) Note: See attached typical drawing for reinforcing and lifting details. INSIDE WALL DIMENSIONS 6'-5" (77") 36" EXT											



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

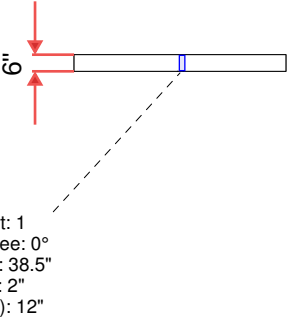
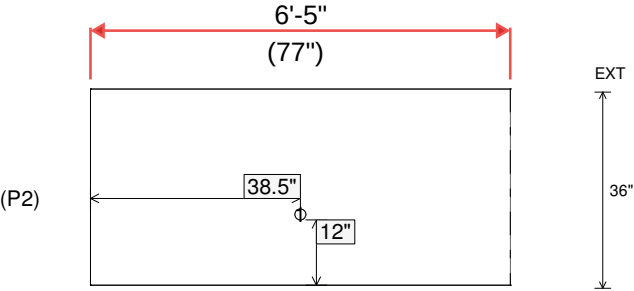
CHECK: B. SMITH

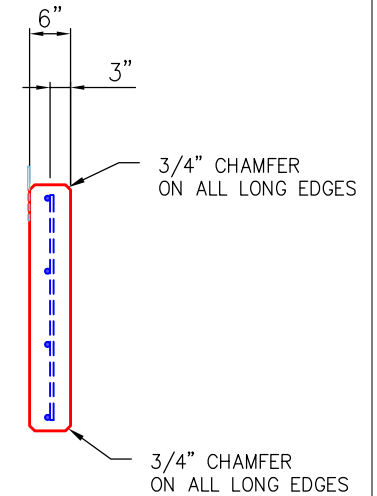
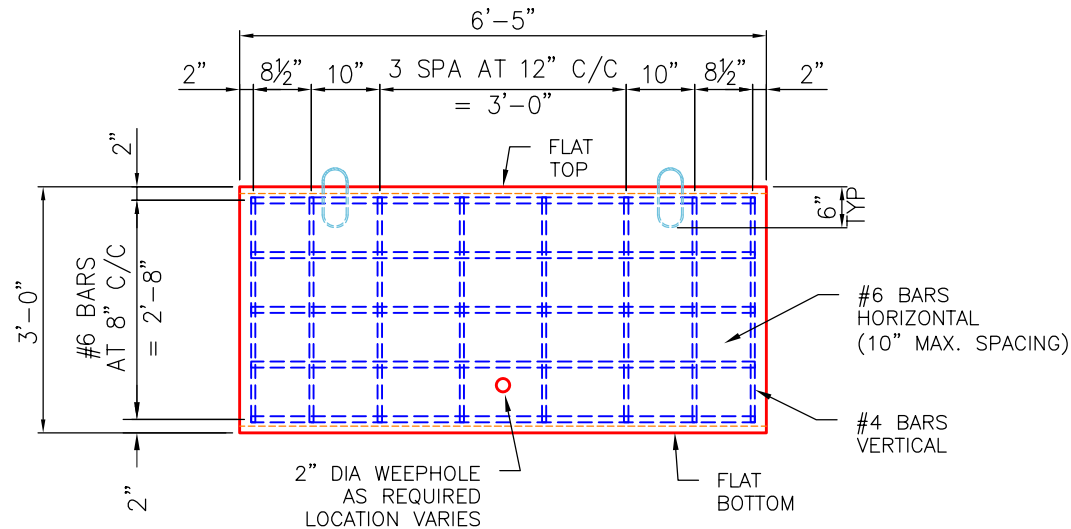
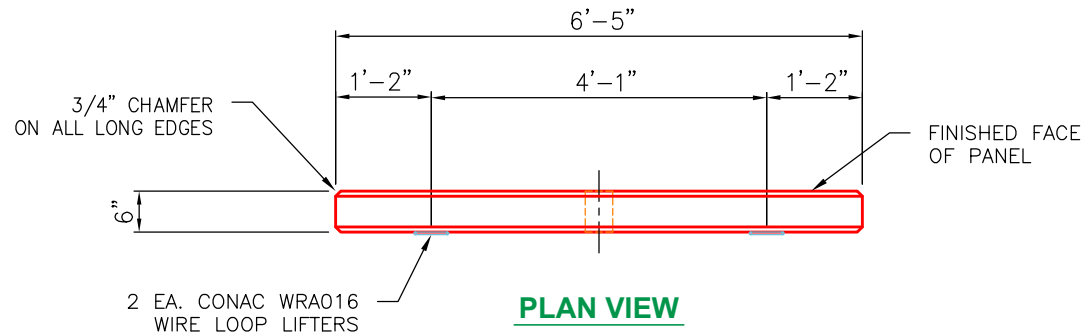
DRAWN BY: J. HORSLEY

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 1:23:19 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P4-P5											
P2 CUSTOM WALL				WALL PANEL 6" THICK F/F							
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 0 lb ----- Structure Total: 4193 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 700'		Rim to Invert: 5'		Slack: 0"		Sump: 48"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	695'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	12"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) (P3) (P2) << (P1)  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 1:23:20 PM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: WALL P4-P5

P3 CUSTOM WALL

WALL PANEL 6" THICK F/F

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

0 lb

Structure Total: 4193 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: 700'

Rim to Invert: 5'

Slack: 0"

Sump: 48"

Step Position:

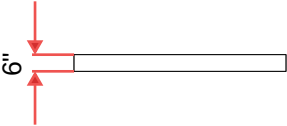
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P3) <<

(P2)

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



Note:

See attached typical drawing for reinforcing and lifting details.

INSIDE WALL DIMENSIONS

6'-5"

(77")

36"

EXT

(P3)

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Flat

Wall Thickness: 0"

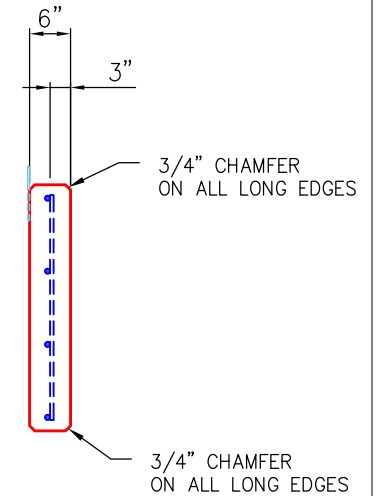
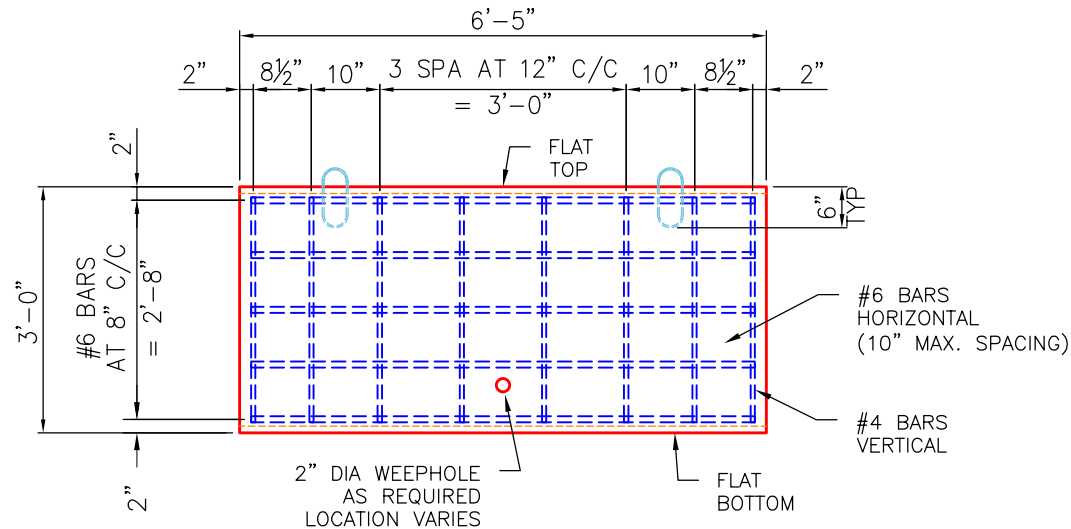
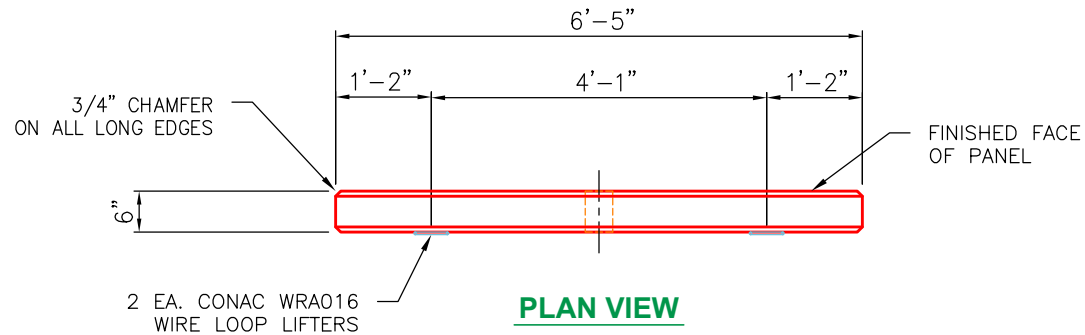
Floor Height: 0"

Height (Int): 36"

Height (Ext): 36"

Weight (Net): 1398 lb

Volume (Net): 0.36cu.yd



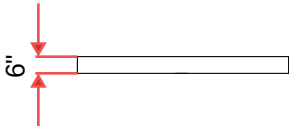
GENERAL NOTES:

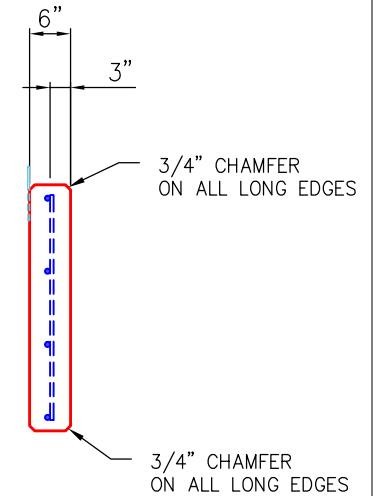
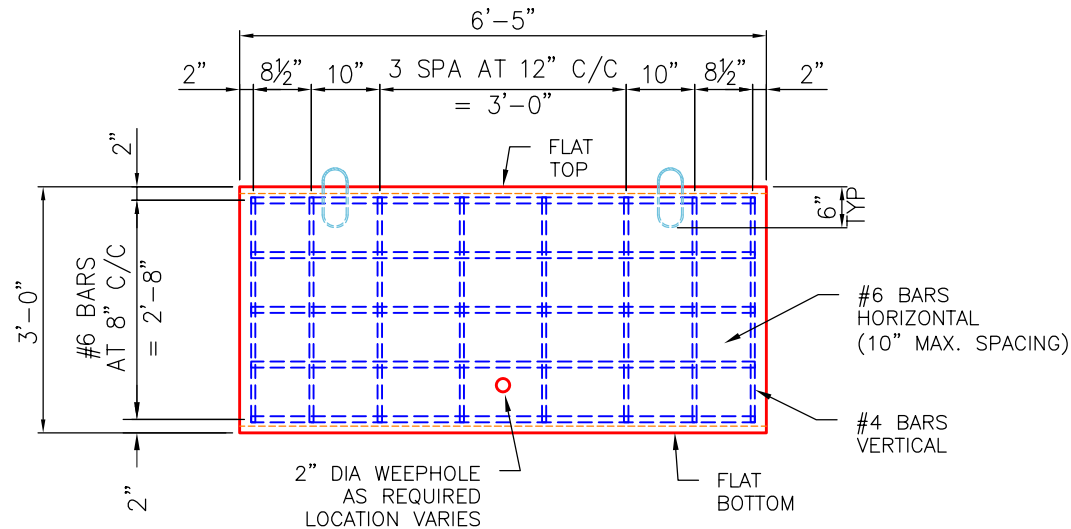
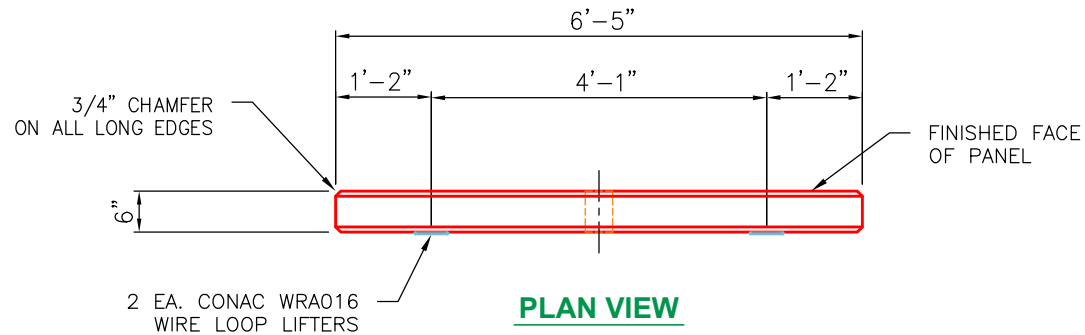
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

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 1:22:03 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P3-P4											
P1 CUSTOM WALL				WALL PANEL 6" THICK F/F							
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 ----- 0 lb Structure Total: 4193 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: 701' Rim to Invert: 4.5' Slack: 0" Sump: 54" 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)  UPSIDE-DOWN VIEW (int. dimensions) Note: See attached typical drawing for reinforcing and lifting details.											
(P3) (P2) (P1) << INSIDE WALL DIMENSIONS (P1) 6'-5" (77") 36"											
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

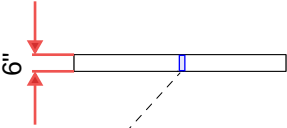
Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc				Plant: 100 6/16/2026 1:23:18 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P3-P4										
P2 CUSTOM WALL				WALL PANEL 6" THICK F/F						
P3) 77" x 6" - WALL 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 0 lb ----- Structure Total: 4193 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: 701' Rim to Invert: 4.5' Slack: 0" Sump: 54" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	696.5'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	18"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P3)

(P2) <<

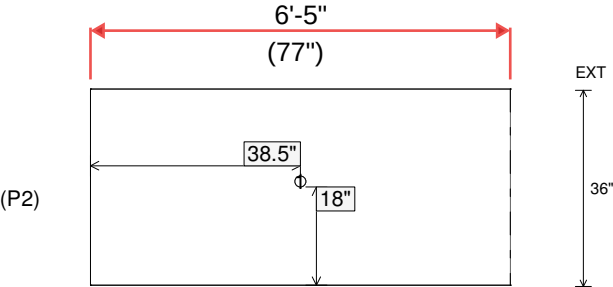
(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

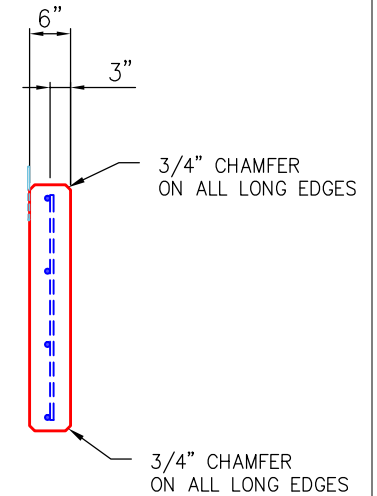
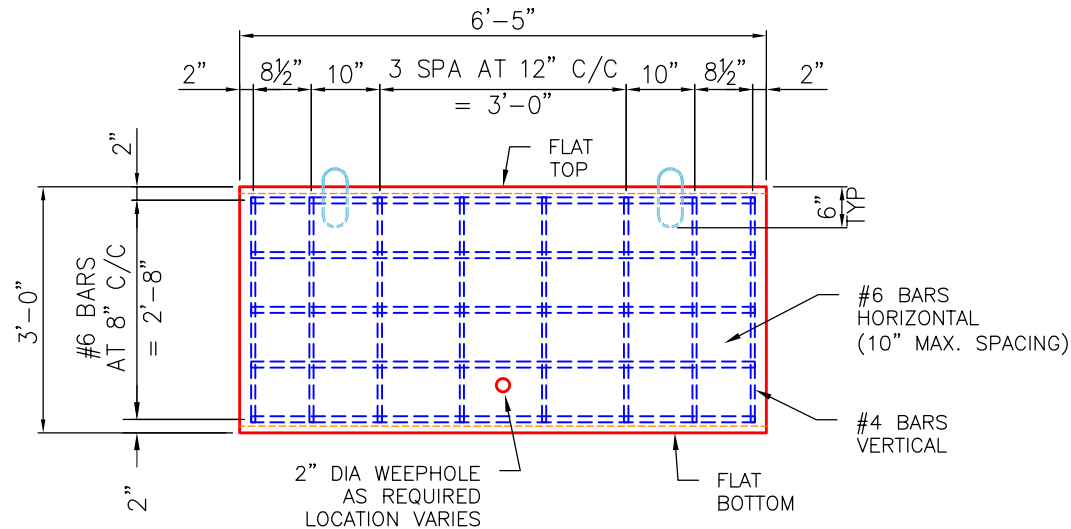
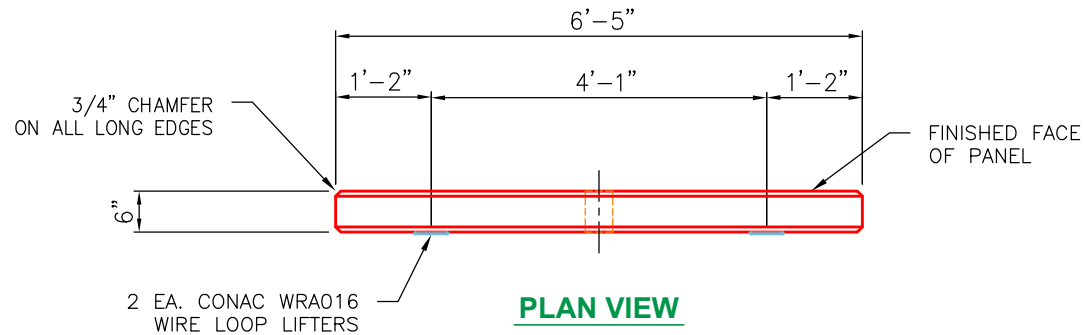


Note:
See attached typical drawing
for reinforcing and lifting details.

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 1:23:19 PM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: WALL P3-P4

P3 CUSTOM WALL

WALL PANEL 6" THICK F/F

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

0 lb

Structure Total: 4193 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. SMOOTH FORM FINISH ON THE FRONT SURFACE.

4. 3/4" CHAMFER ON ALL LONG EDGES.

REINFORCING PER ASTM A615 (GRADE 60).

-VERTICAL BARS = #4 BARS AT 12" C/C

-HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)

Rim: 701'

Rim to Invert: 4.5'

Slack: 0"

Sump: 54"

Step Position:

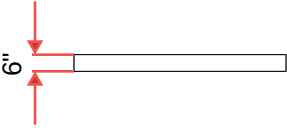
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P3) <<

(P2)

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



Note:

See attached typical drawing for reinforcing and lifting details.

INSIDE WALL DIMENSIONS

6'-5"

(77")

36"

(P3)

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Flat

Wall Thickness: 0"

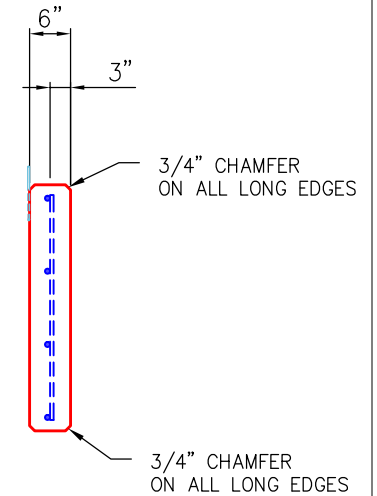
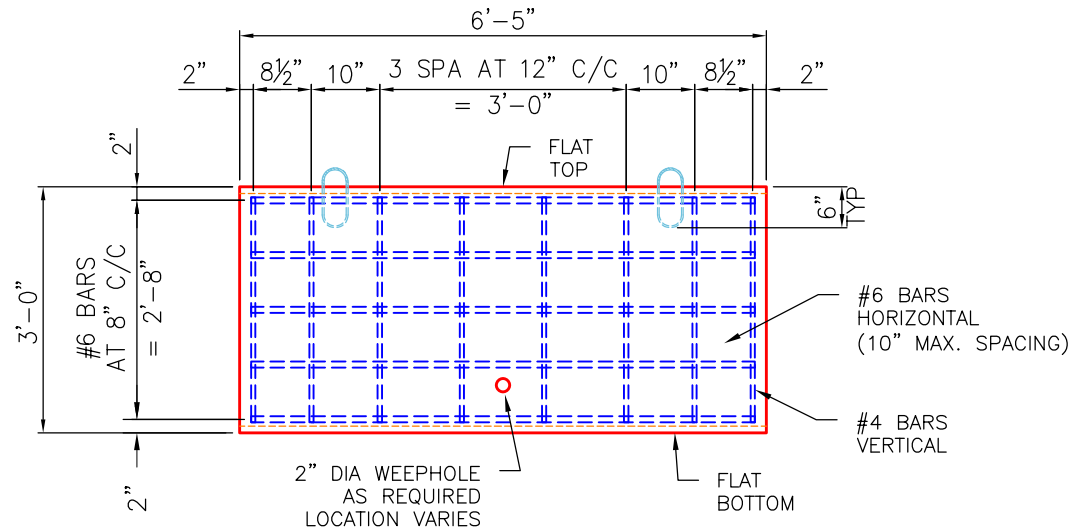
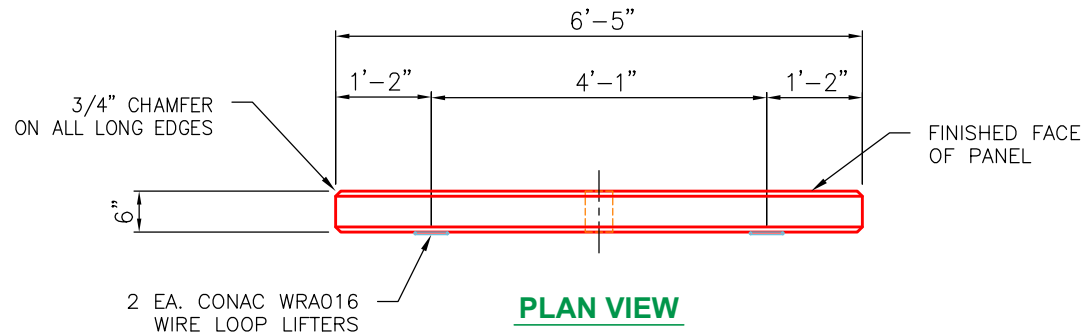
Floor Height: 0"

Height (Int): 36"

Height (Ext): 36"

Weight (Net): 1398 lb

Volume (Net): 0.36cu.yd



GENERAL NOTES:

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PROJECT: MITCHELL HILL ROAD PROJECT

STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 36" HT)

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CHECK: B. SMITH

DRAWN BY: J. HORSLEY

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SCALE: NTS

PG. 1 of 1