

Job Name: 26-2676 Owensboro Sports Manhole
Job Location: Owensboro, KY
Contractor: Winwater Hartford KY Co.

Plant: Beaver Dam
7/9/2026 12:55:48 PM

Tech: S. Felletter
PC: A. Chambers



Structure ID: QL1 SS-MHDH

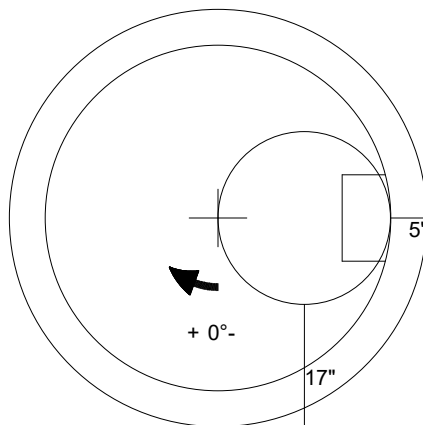
P2 MH048CN36CDARED

ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36"
P1) 48" - MH DH RISER Custom Ht, w/ConBlock-CDA Red T/F - 58"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) CASTING - HOE MC-315 F/C RWRA
1) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) DOGHOUSE - 18"x22"
1) PSX - 12-06 NYLO
7) MH Step ML-10-TDS-NCR - 10"

- 0 lb Structure Notes: .
2251 lb 1. PER ASTM C478 SPECIFICATIONS.
3678 lb 2. CONCRETE = 4,000 PSI AT 28 DAYS.
0 lb 3. CASTING BY ICAST (HOE MC-315 F/C "RWRA
0 lb SANITARY").
258 lb .
0 lb REINFORCING PER ASTM A615 (GRADE 60).
0 lb - CONE (As .12)
0 lb - RISER (As .12)
8 lb - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
0 lb

Structure Total: 6195 lb



48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" - (P2)



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 36"

Weight (Net): 2251 lb
Volume (Net): 0.57cu.yd

Job Name: 26-2676 Owensboro Sports Manhole
Job Location: Owensboro, KY
Contractor: Winwater Hartford KY Co.

Plant: Beaver Dam
7/9/2026 12:55:35 PM

Tech: S. Felletter
PC: A. Chambers



Structure ID: QL1 SS-MHDH

P1 MH048DHVFCDA RED

MH DH RISER Custom Ht, w/ConBlock-CDA Red T/F

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36"
P1) 48" - MH DH RISER Custom Ht, w/ConBlock-CDA Red T/F - 58"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) CASTING - HOE MC-315 F/C RWRA
1) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) DOGHOUSE - 18"x22"
1) PSX - 12-06 NYLO
7) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-315 F/C "RWRA SANITARY").
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

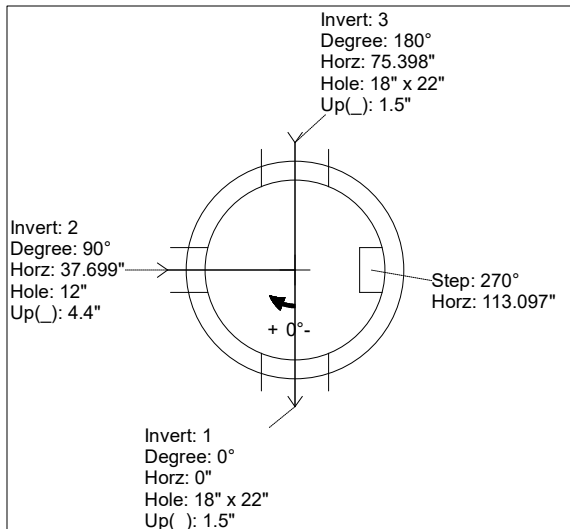
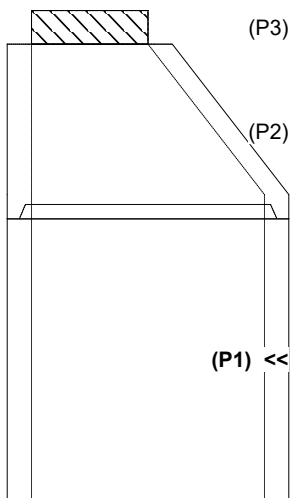
Structure Total: 6195 lb

Rim: 8' Rim to Invert: 8' Slack: 0" Sump: 5" Step Position: 270°

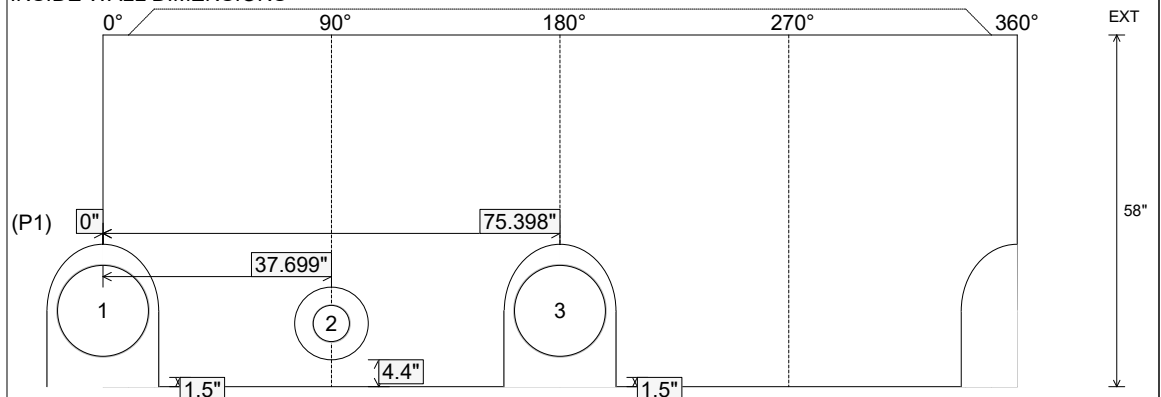
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	0'	0°	0"	15" PVC SDR35	15.3"	DOGHOUSE 18"x22"	18" x 22"	18.451"	1.5"	0"
Invert 2	0.2'	90°	45.553"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	4.4"	0"
Invert 3	0'	180°	91.106"	15" PVC SDR35	15.3"	DOGHOUSE 18"x22"	18" x 22"	18.451"	1.5"	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



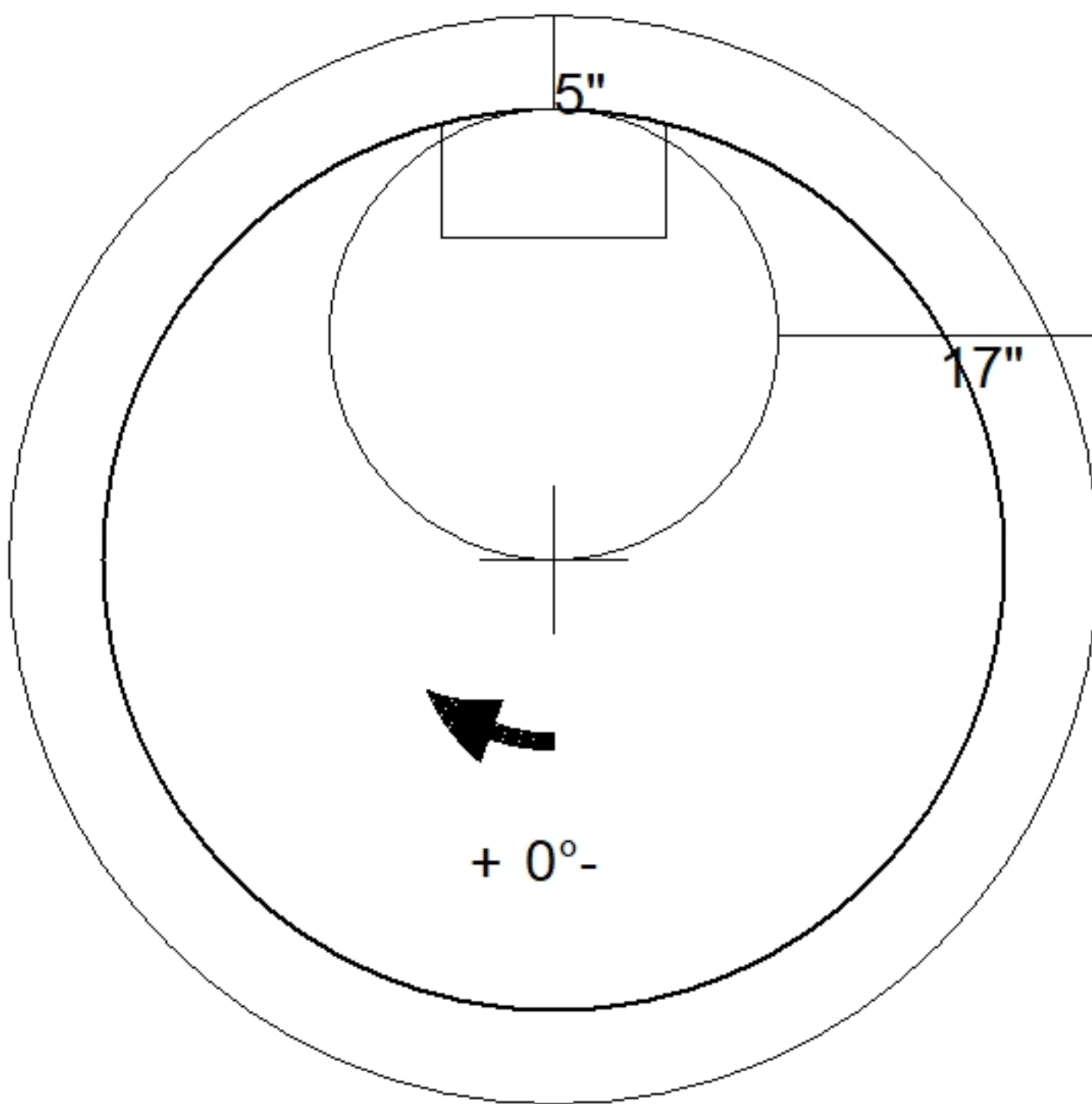
Coating (Int):
Coating (Ext):

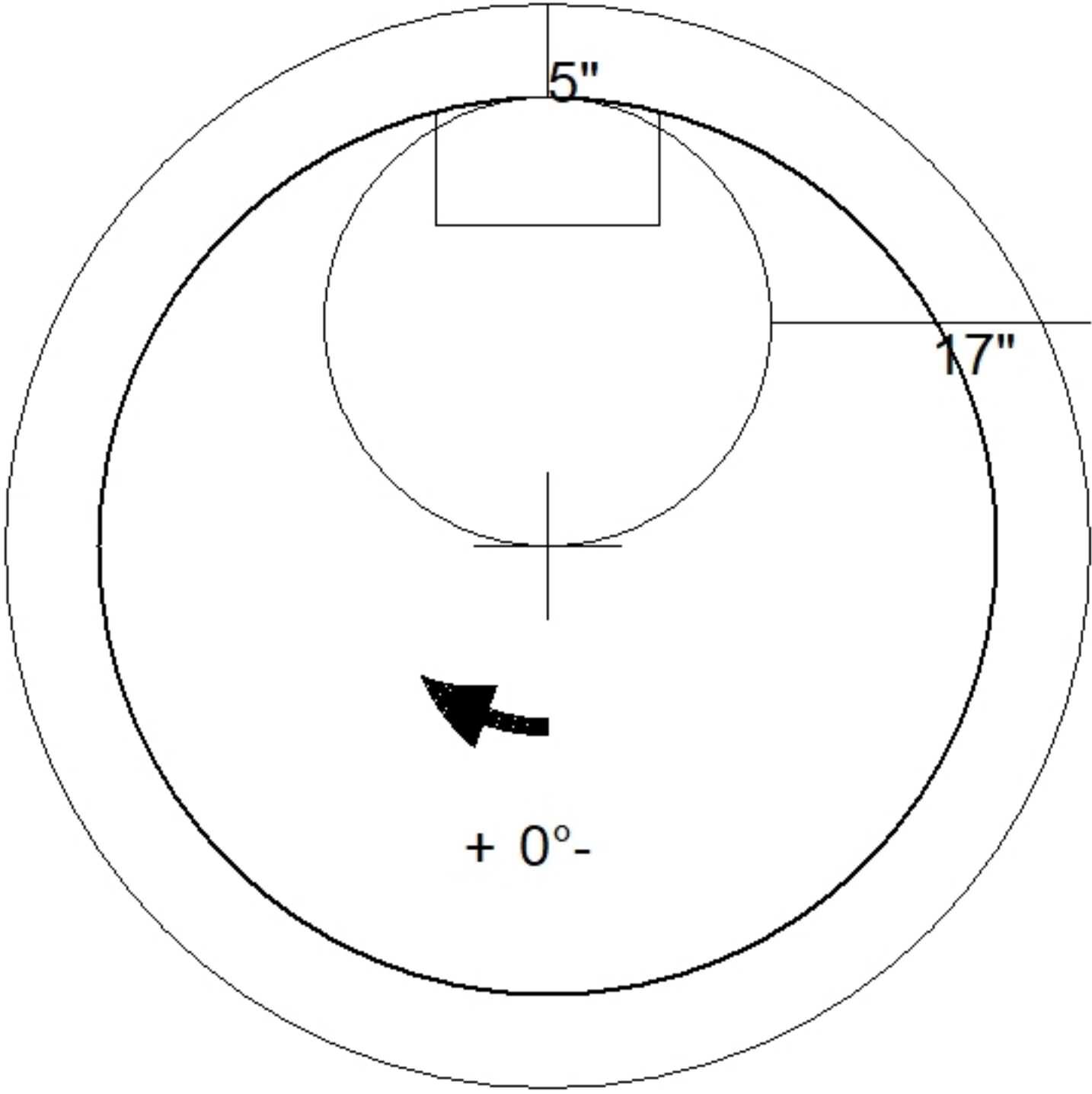
Seam Up: Tongue
Seam Dn: Flat

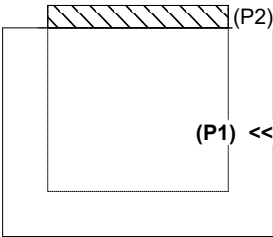
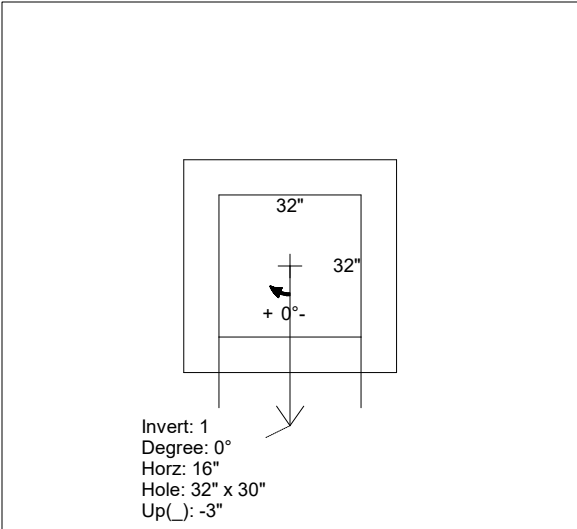
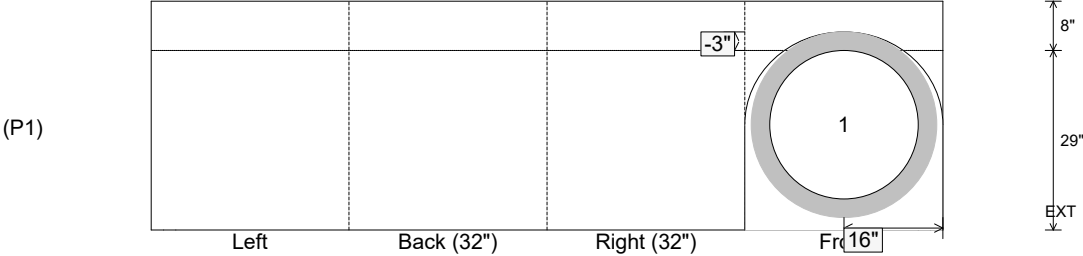
Wall Thickness: 5"
Floor Height: 0"

Height (Int): 58"
Height (Ext): 58"

Weight (Net): 3678 lb
Volume (Net): 0.94cu.yd

Job Name: 26-1216 Hayden Rd. Sanitary Job Location: Owensboro, KY Contractor: Winwater Hartford KY Co.		Plant: Beaver Dam 7/7/2026 2:10:40 PM	Tech: S. Felletter PC: A. Chambers	
Structure ID: B2 SS-MH P3 MH048CN24CDARED		ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G		
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 24" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) CASTING - HOE MC-315 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 7) MH Step ML-10-TDS-NCR - 10"		0 lb 1738 lb 3353 lb 2540 lb 0 lb 0 lb 1440 lb 258 lb 0 lb 0 lb 8 lb 0 lb ----- Structure Total: 9337 lb	Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-315 F/C "SANITARY"). . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 24" - (P3)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 1738 lb Volume (Net): 0.44cu.yd

Job Name: 26-1216 Hayden Rd. Sanitary Job Location: Owensboro, KY Contractor: Winwater Hartford KY Co.		Plant: Beaver Dam 7/7/2026 2:10:41 PM	Tech: S. Felletter PC: A. Chambers	
Structure ID: C3 SS-MH				
P3 MH048CN30CDARED		ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G		
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) CASTING - HOE MC-315 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 9) MH Step ML-10-TDS-NCR - 10"		0 lb 1961 lb 3353 lb 2959 lb 0 lb 0 lb 1440 lb 258 lb 0 lb 0 lb 8 lb 0 lb ----- 9980 lb Structure Total:	<u>Structure Notes:</u> . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-315 F/C "SANITARY"). . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30" - (P3)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 30"	Weight (Net): 1961 lb Volume (Net): 0.5cu.yd

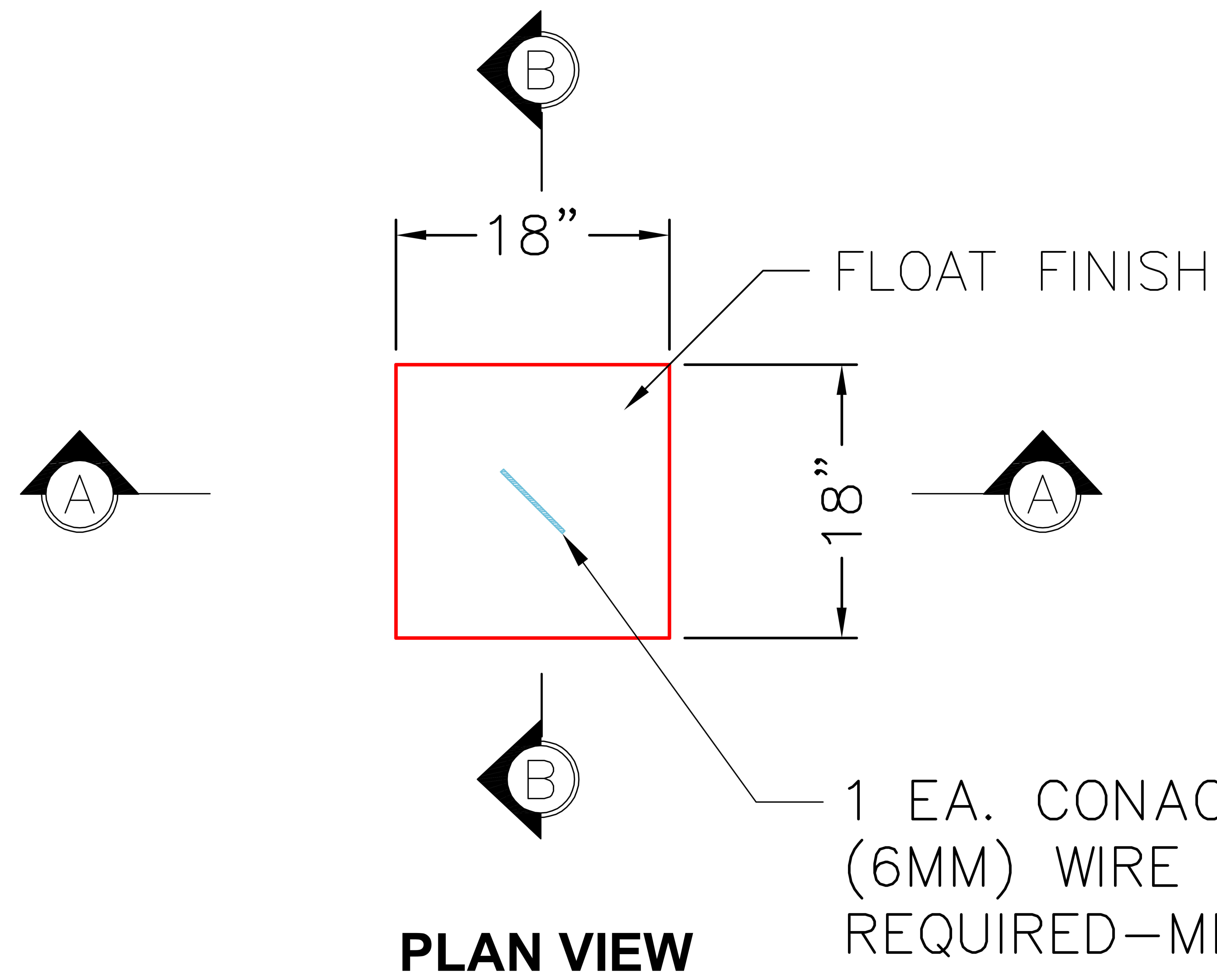
Job Name: 23-2309 - Richland Estates Subdivision				Plant: 100		Tech: J. Horsley					
Job Location: Portland, TN				6/30/2026 8:52:12 AM		PC: T. Lewis					
Contractor: Core & Main LP (BG)											
Structure ID: 13 ST-AD											
P1 BX3232-08BAVF				BOX BASE 8inW, 8inF, Variable Ht							
P2) 32" x 32" - CASTING HEIGHT - 4" P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 29" 1) 32" x 32" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 32"x30"				0 lb 4198 lb 0 lb 0 lb ----- Structure Total: 4198 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY OTHERS (JBS 4315 F/G). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 806.7'				Rim to Invert: 2.75'		Slack: 0"		Sump: 0"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	803.95'	0°	24"	24" RCP B WALL	30"	DOGHOUSE INVRTD 32"x30"	32" x 30"	32"	-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. dimenions)   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): 4198 lb Volume (Net): 1.07cu.yd	



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

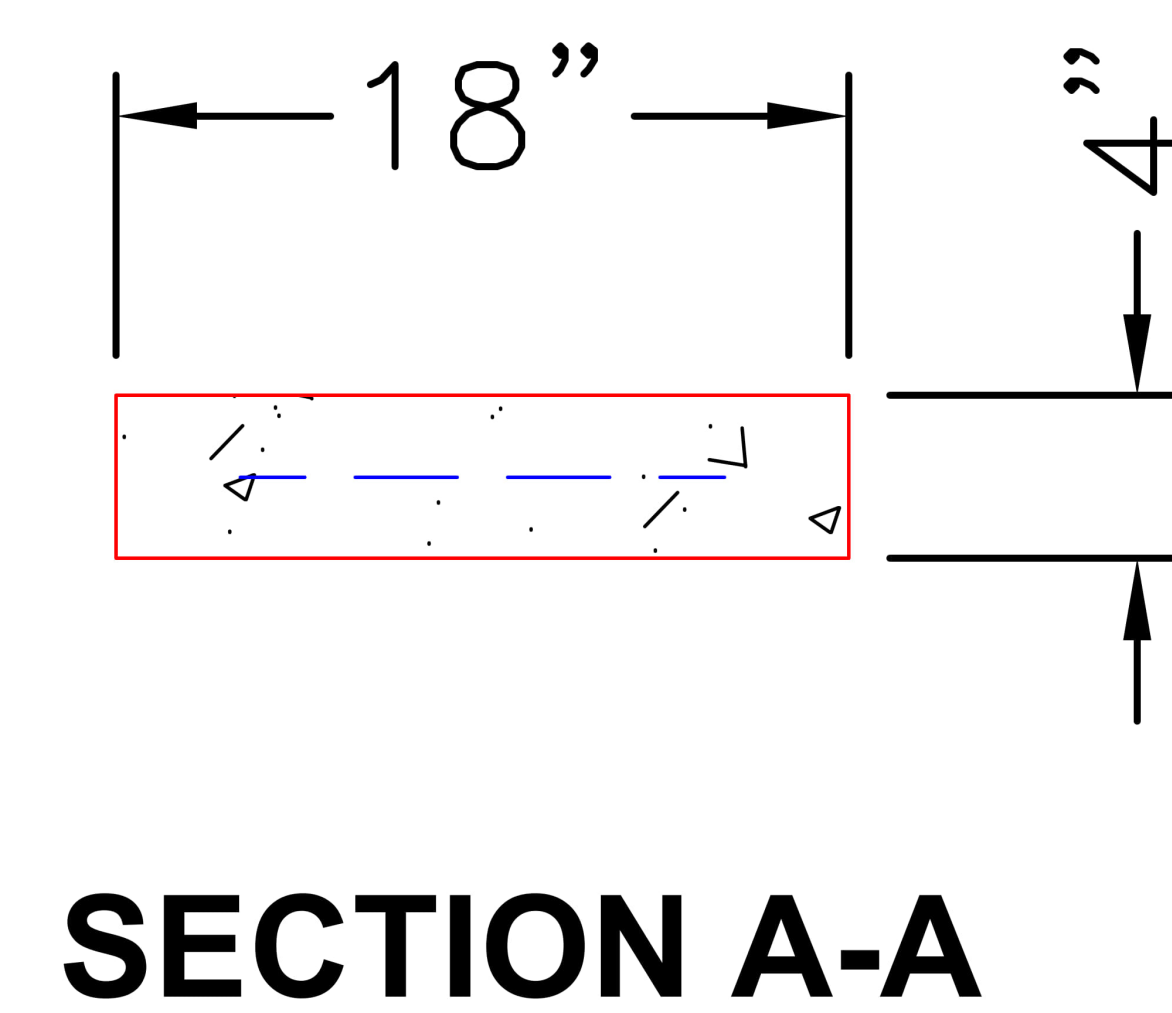
P13 BLKCSTM

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

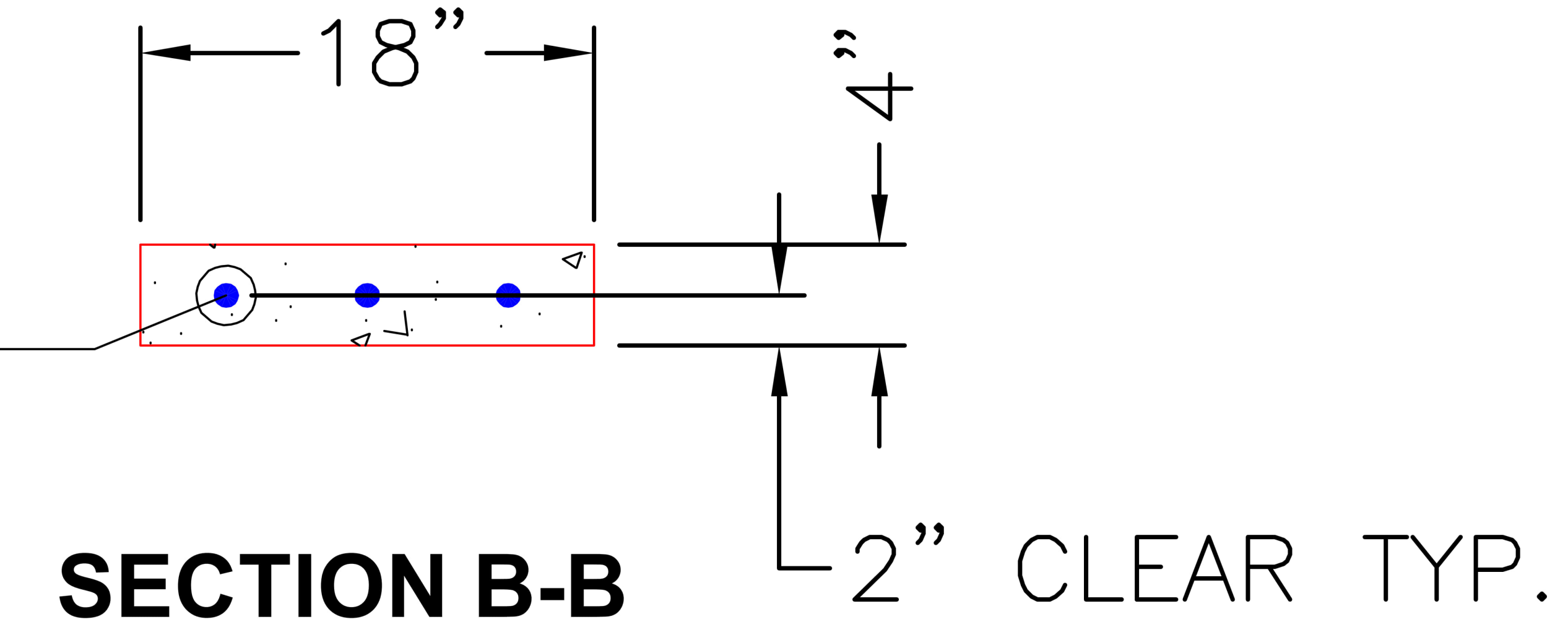


GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: AS SHOWN BELOW(GRADE 60).
4. WEIGHTS: 113 LBS. EACH



(3)#4 BARS
EQUALLY SPACED
EACH WAY



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. ☐ LIFTERS INSTALLED. ☐ HATCH CORRECT LOCATION. ☐ REINFORCING CORRECT. ☐ SURFACE QUALITY ACCEPTABLE. ☐ EDGES CHAMFERED. ☐ ALL PATCHWORK ACCEPTABLE.	PLANT: BEAVER DAM, KY.	PROJECT: EAST BANK REGIONAL ARV'S		
		WEIGHT: 113 LBS.	STRUCTURE: ARV FOOTER		
		TOP SECTION JOINT: N/A	ORDER NO: 26-2640		
		BASE SECTION JOINT: N/A	PC: T. RYAN	DRAWING: S. FELLETTTER	
		QC CHECK INITIALS:	DATE: 06/25/26	SCALE: NTS	PG. 1 of 1

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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

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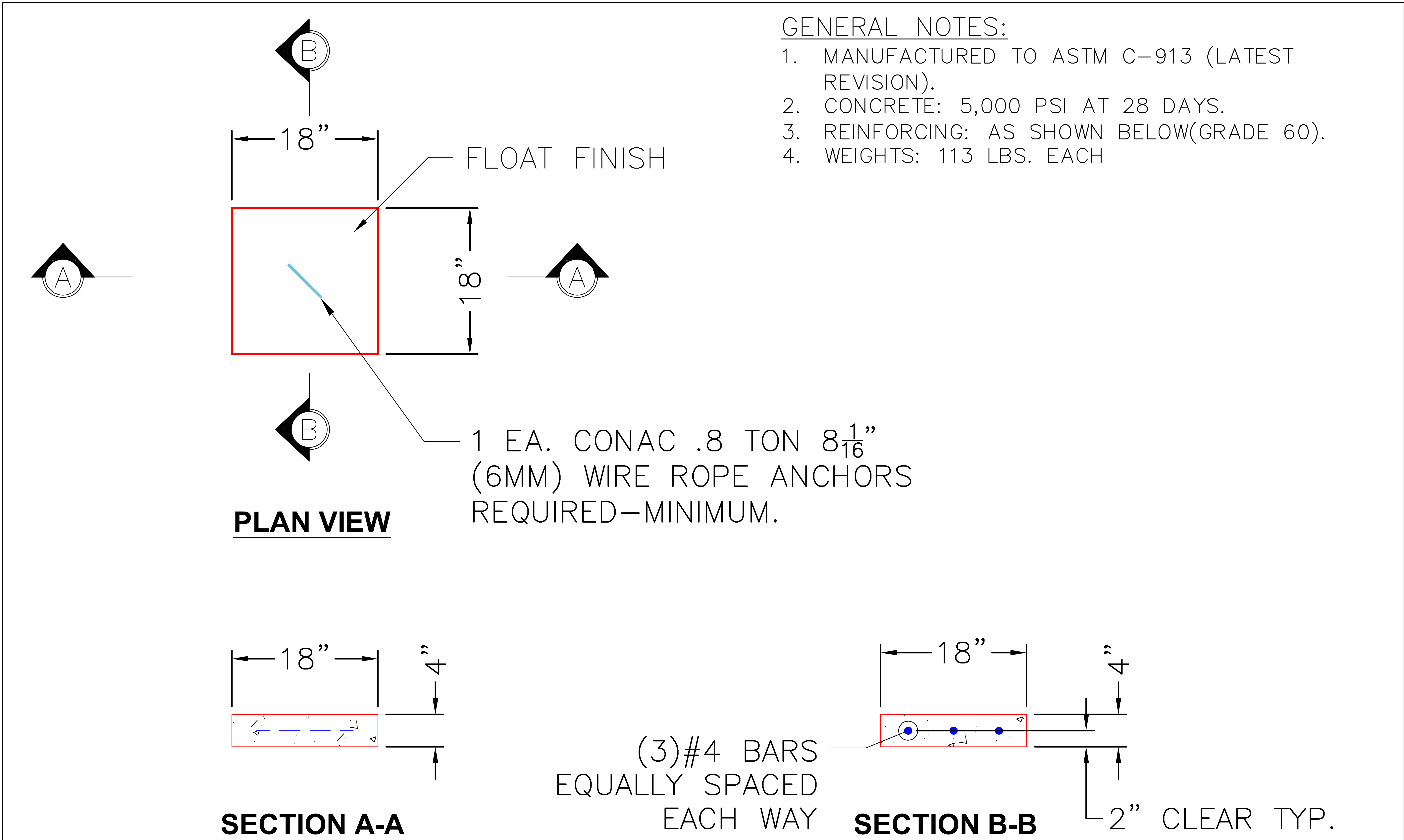
PC: J. Jarvis



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

P12 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: 26-1645 East Bank Regional ARV's
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: S. Felletter

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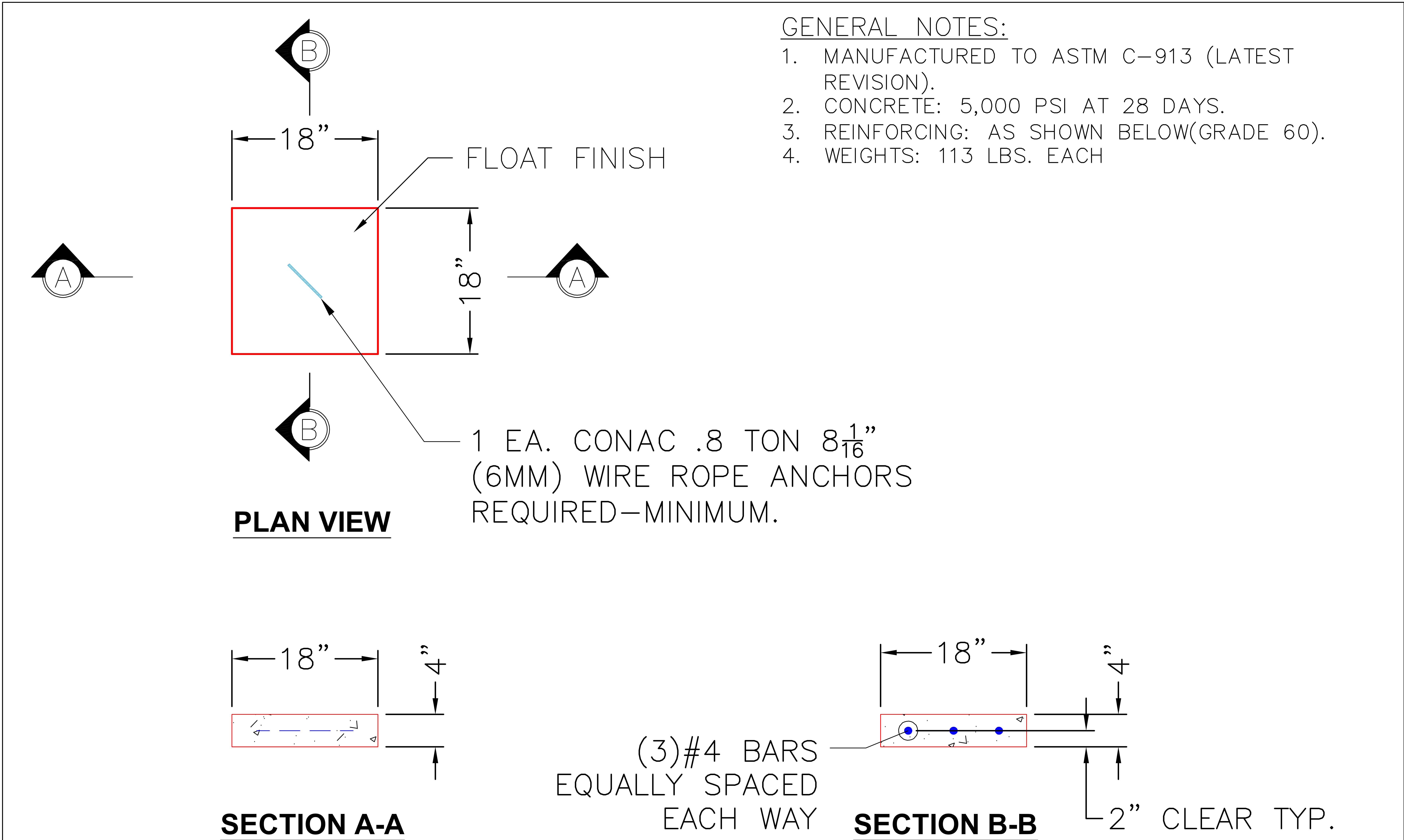
PC: J. Jarvis



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

P11 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: 26-1645 East Bank Regional ARV's
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: Beaver Dam

Tech: S. Felletter

6/26/2026 12:31:55 PM

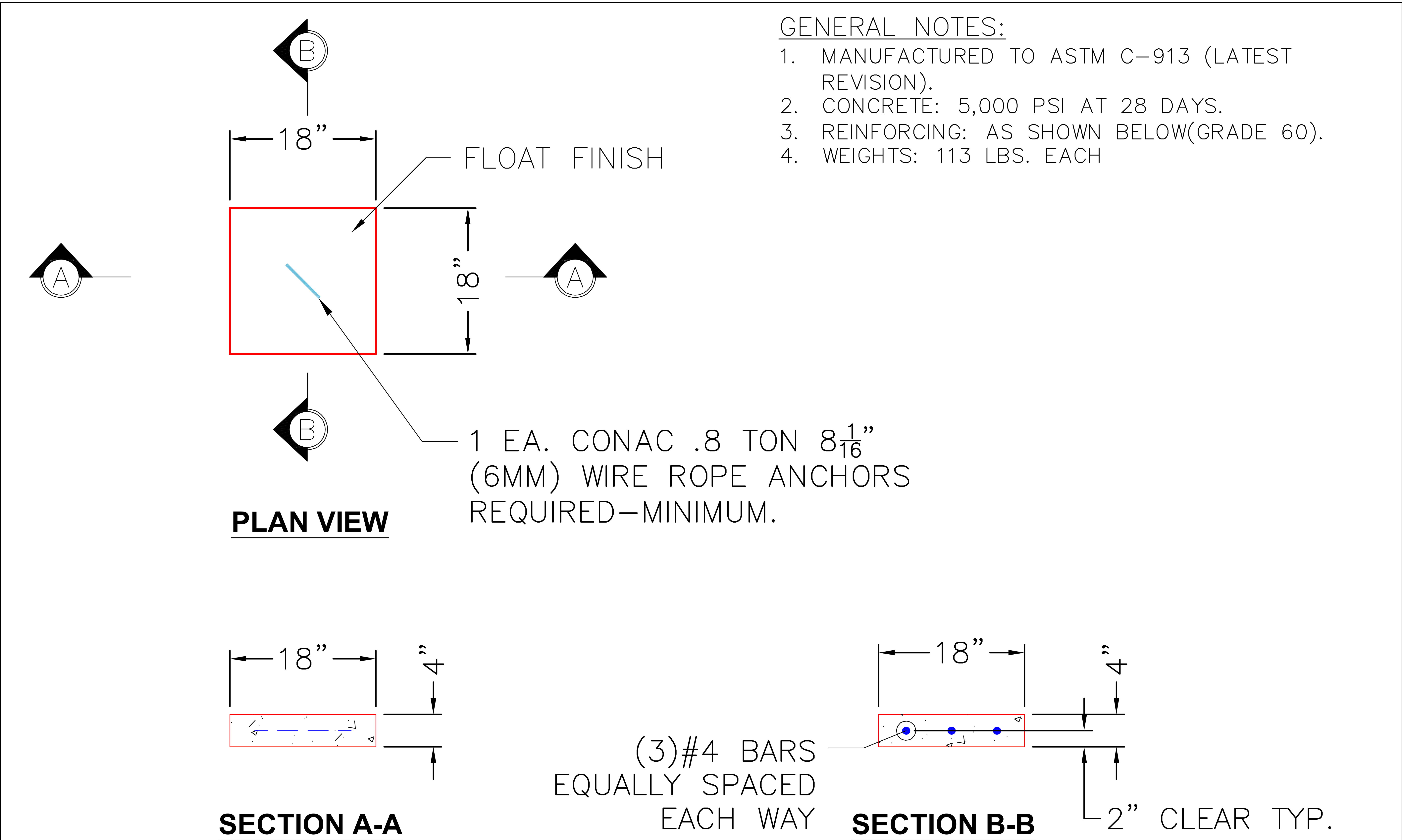
PC: J. Jarvis



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

P10 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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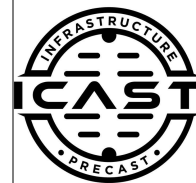
Job Name: 25-4212 - Greentree Lane Sewer
Job Location: Mt. Washington, KY
Contractor: Citgo Waterworks

Plant: 100

6/30/2026 12:37:56 PM

Tech: J. Horsley - F

PC: C. Goff



Structure ID: A11 REV.A

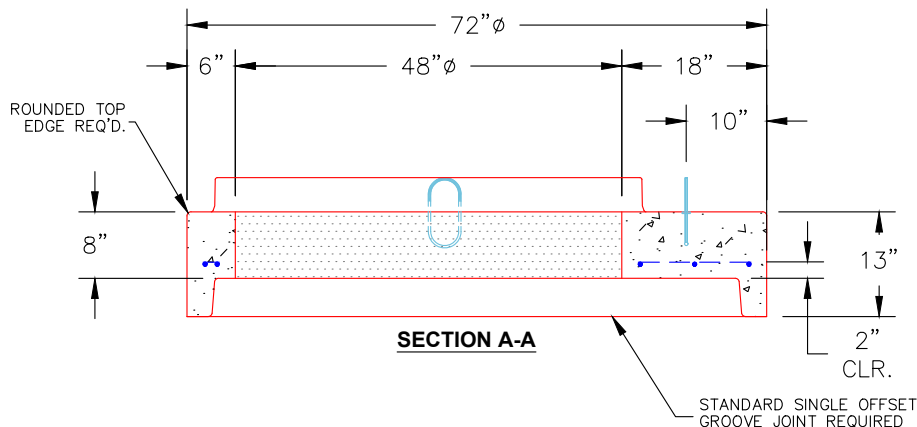
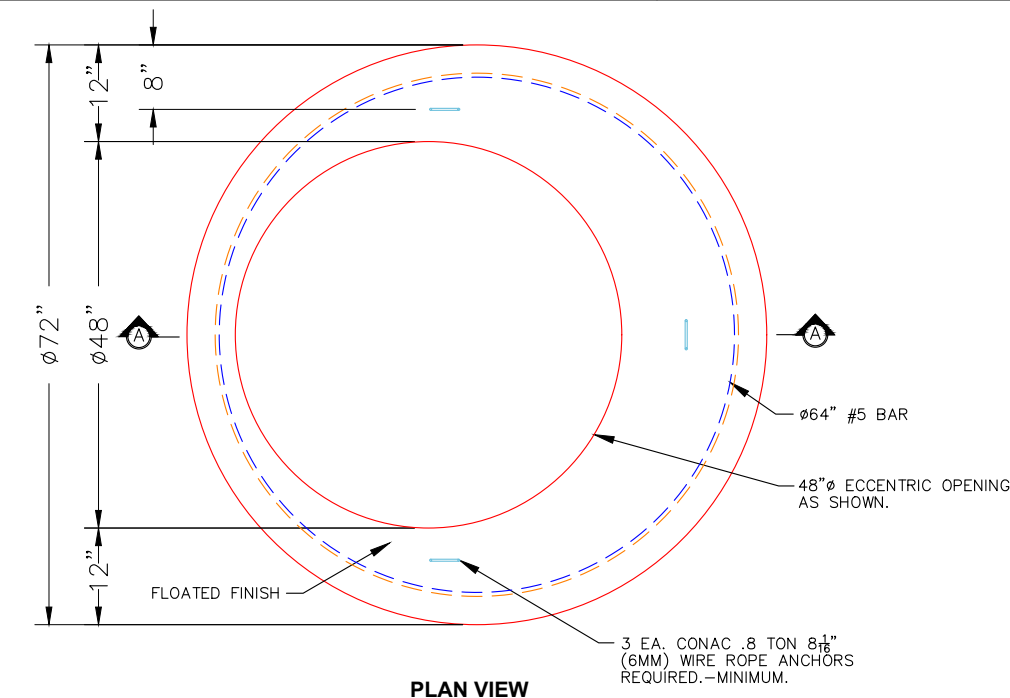
P2 MH060TS13-48ECC

MH Transition Slab 48" Hole

- P4) 24" - CASTING HEIGHT - 4.75"
P3) 48" - ECC CONE w/ 24" HOLE NO STEP - 24"
P2) 60" - MH Transition Slab 48" Hole - 13"
P1) 60" - MH BASE Custom Ht - 48"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 60" - MH INVERT CHANNEL - FULL HEIGHT
1) SPECIAL EXTERNAL COATING - CARBOLINE 300M
1) 60" - Conseal CS-102 1.00" (Double)
1) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
1) Kor-N-Seal2 - S206-22
1) PSX - 12-06 NYLO
1) PSX - 14M DD
163.59 SqFt) Carboline Bitumastic 300M [EXT]

- 0 lb
1550 lb
1928 lb
7413 lb
0 lb
0 lb
2692 lb
0 lb
0 lb
0 lb
0 lb
6 lb
8 lb
8 lb
0 lb
- Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS.
4. CASTING SUPPLIED BY OTHERS.
5. CARBOLINE 300M >>EXTERIOR COATING ONLY<<
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- TRANSITION 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.

Structure Total: 13605 lb



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).

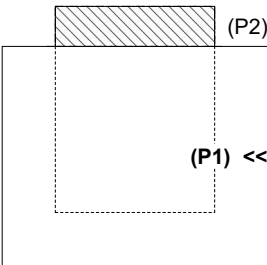
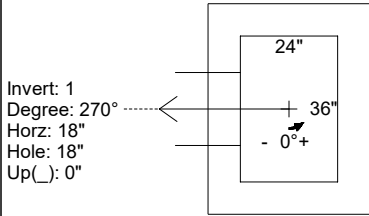
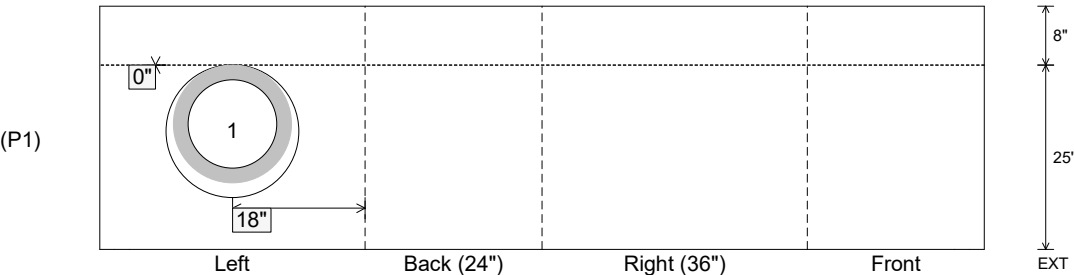
Coating (Int):
Coating (Ext): Carboline Bitumastic 300M

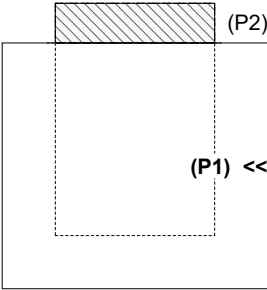
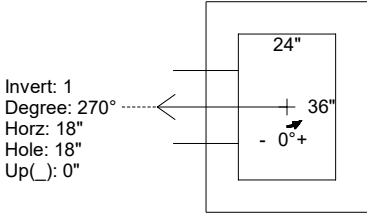
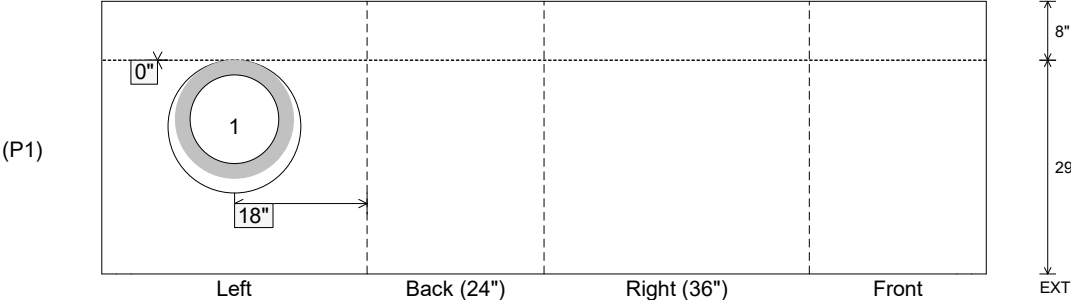
Seam Up: Tongue
Seam Dn: Groove

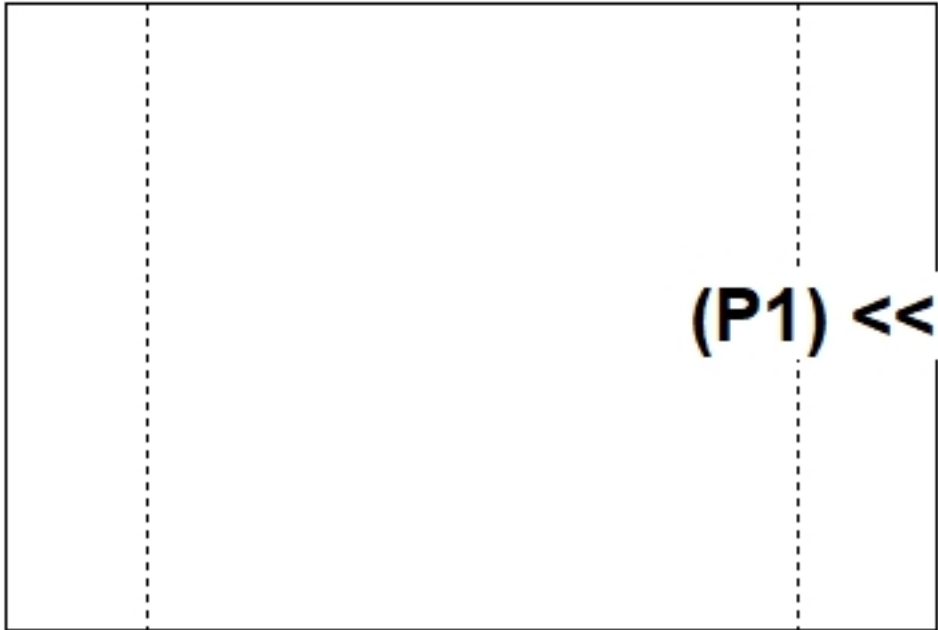
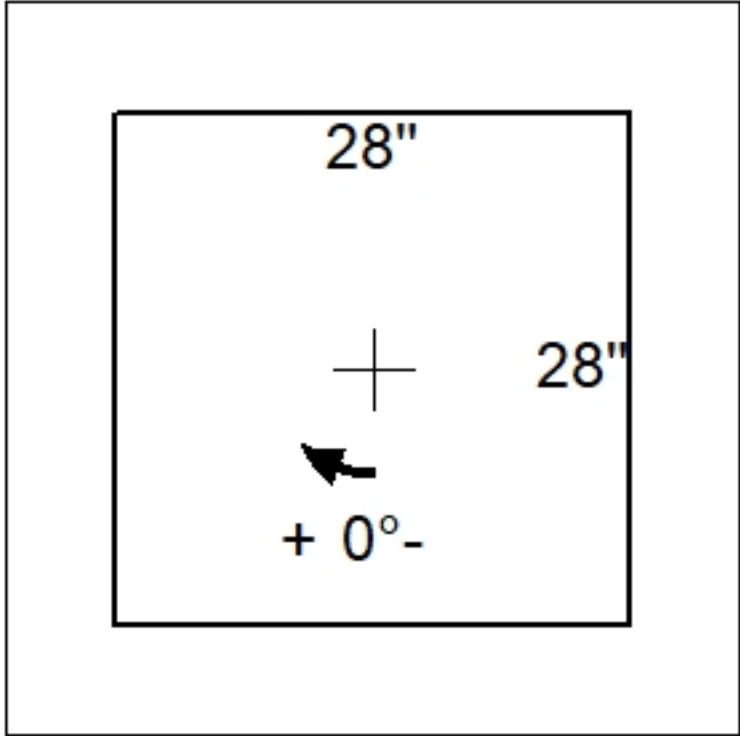
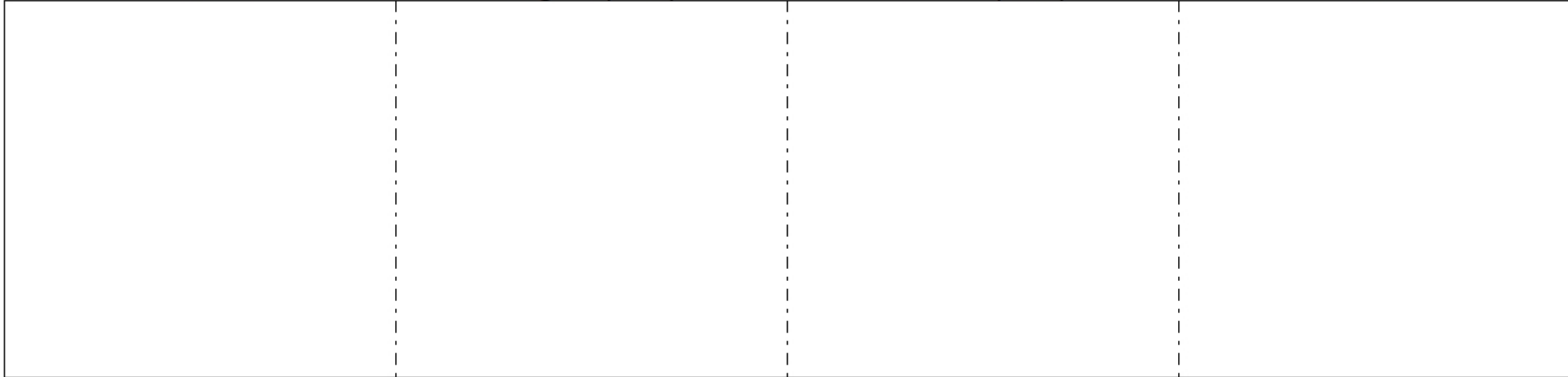
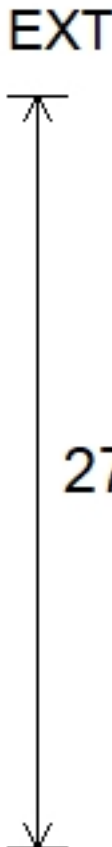
Wall Thickness: 6"

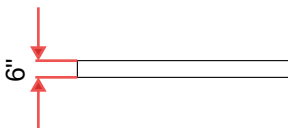
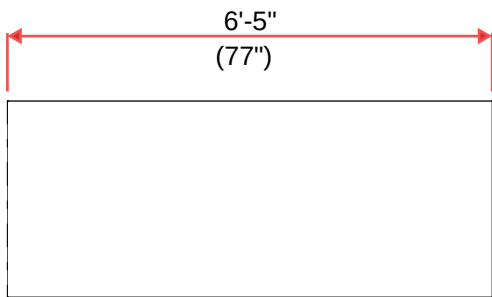
Height (Ext): 13"

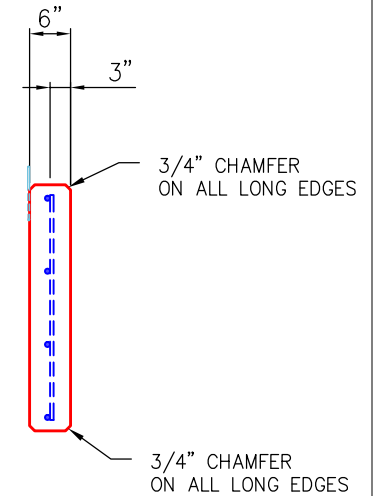
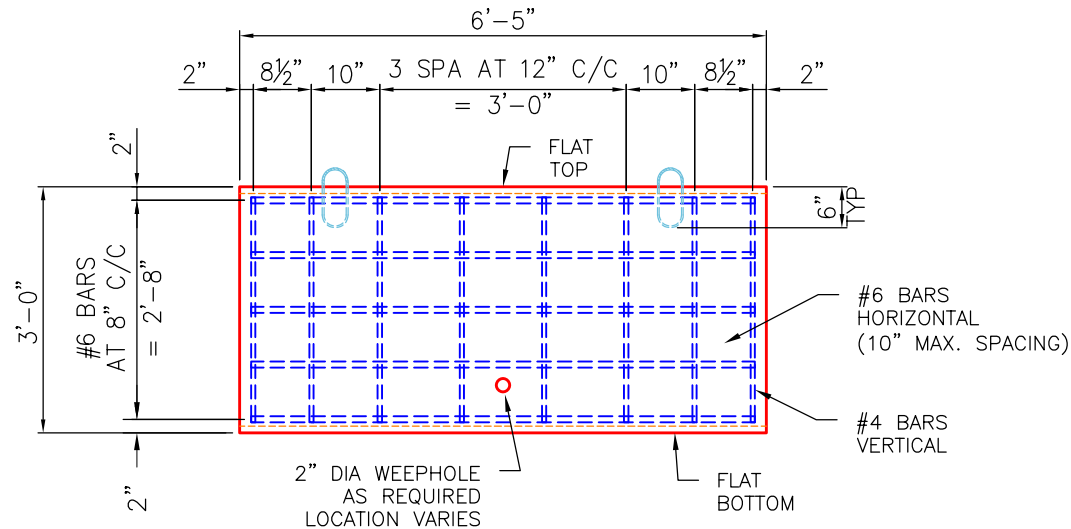
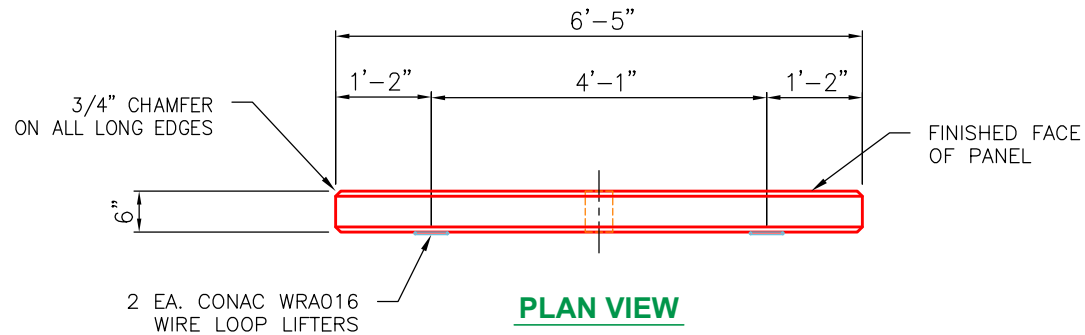
Weight (Net): 1928 lb
Volume (Net): 0.49cu.yd

Job Name: 26-2104 - Jeffersonville High School Parking Lot Job Location: Jeffersonville, IN Contractor: Mac Construction & Excavating, Inc.					Plant: 100 6/27/2026 7:12:46 PM		Tech: Jared - A PC: T. Lewis																
Structure ID: 19 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 - 25" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 18					0 lb 3776 lb 0 lb 0 lb ----- 3776 lb		Structure Notes: 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: 482.34'					Rim to Invert: 2.51'		Slack: 1.12"		Sump: 2"		Step Position:												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset													
Invert 1	479.83'	270°	26"	12" RCP B WALL	16"	Hole 18	18"	18"	0"	0"													
Invert 2																							
Invert 3																							
Invert 4																							
Invert 5																							
Invert 6																							
Invert 7																							
Invert 8																							
RIGHT-SIDE UP VIEW (int. dimensions)												UPSIDE-DOWN VIEW (int. dimenions)											
																							
INSIDE WALL DIMENSIONS																							
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: n/a				Wall Thickness: 8" Floor Height: 8"				Height (Int): 25" Height (Ext): 33"				Weight (Net): 3776 lb Volume (Net): 0.96cu.yd							

Job Name: 26-2104 - Jeffersonville High School Parking Lot Job Location: Jeffersonville, IN Contractor: Mac Construction & Excavating, Inc.					Plant: 100 6/27/2026 7:12:44 PM		Tech: Jared - A PC: T. Lewis				
Structure ID: 15 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 - 29" 1) CASTING - HOE 525 SET (F/G/H) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 18					0 lb 4185 lb 442 lb 0 lb 0 lb Structure Total: 4627 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: 482'		Rim to Invert: 2.88'		Slack: 1.56"		Sump: 2"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	479.12'	270°	26"	12" RCP B WALL	16"	Hole 18	18"	18"	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): 4185 lb Volume (Net): 1.07cu.yd		

Job Name: 25-2284C Parks at Cane Ridge Ph.2B Job Location: Antioch, TN Contractor: Josh King Excavating					Plant: Beaver Dam 6/22/2026 8:23:30 AM		Tech: S. Felletter PC: A. Chambers				
Structure ID: D4.2											
P1		BX2828-06R-VH			BOX RISER 6inW, Variable Ht F/F						
P1) 28" x 28" - BOX RISER 6inW, Variable Ht F/F - 27"							1849 lb ----- 1849 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. . REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W.		
Structure Total:											
Rim: 2.25'		Rim to Invert: 0'		Slack: 0"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
		INSIDE WALL DIMENSIONS									
(P1)											
										EXT	
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 27" Height (Ext): 27"		Weight (Net): 1849 lb Volume (Net): 0.47cu.yd	

Job Name: 26-1333 - Mitchell Hill Road Project Job Location: Louisville, KY 40118 Contractor: Hall Contracting of Kentucky Inc					Plant: 100 6/16/2026 1:22:04 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P8-P9											
P1 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2						1398 lb 1398 lb 1398 lb 1398 lb ----- 0 lb Structure Total: 5591 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 698'		Rim to Invert: 8'		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											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN 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	



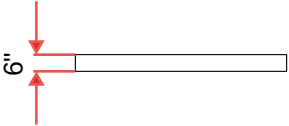
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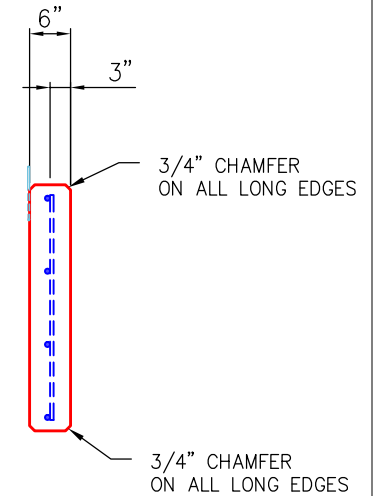
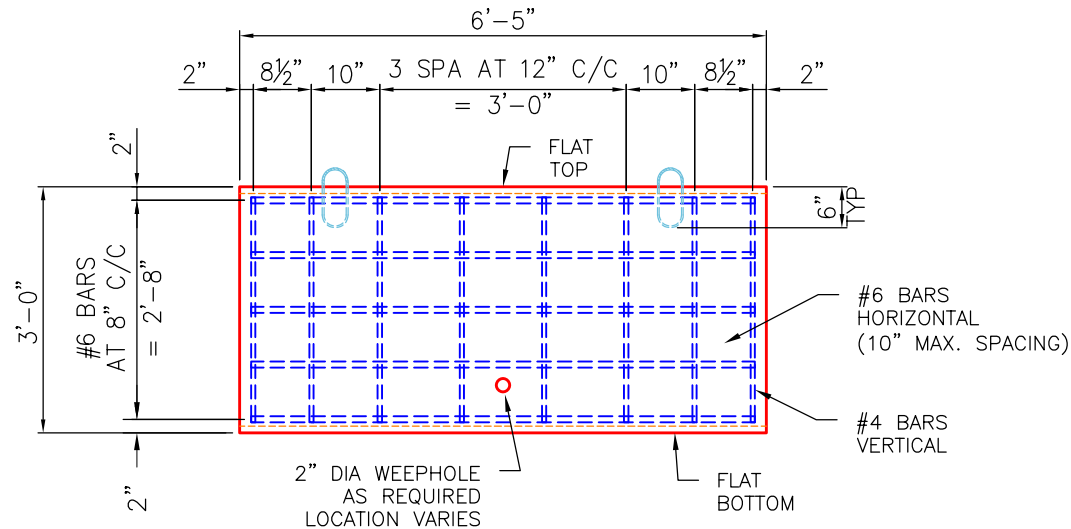
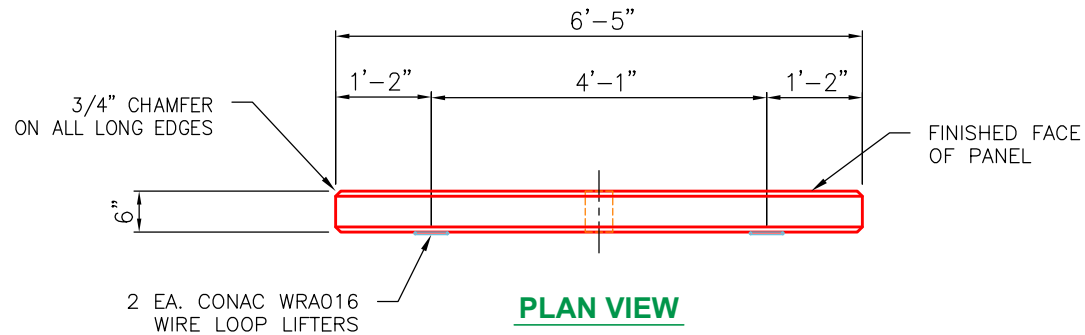
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

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 1:22:04 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P7-P8											
P1 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2					1398 lb 1398 lb 1398 lb 1398 lb ----- 0 lb Structure Total: 5591 lb		<u>Structure Notes:</u> 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: 699' Rim to Invert: 7.75' Slack: 0" Sump: 51" 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. dimenions)											
(P4) (P3) (P2) (P1) <<							Note: See attached typical drawing for reinforcing and lifting details.				
INSIDE WALL DIMENSIONS											
(P1)					6'-5" (77") EXT 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		



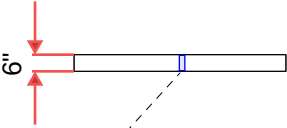
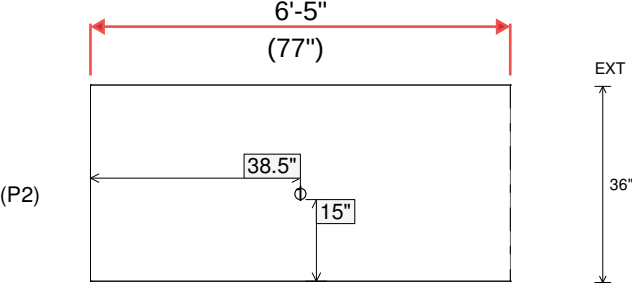
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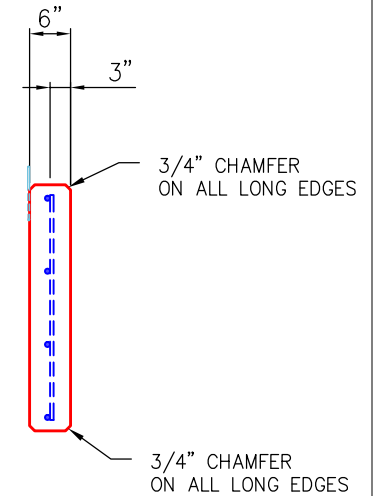
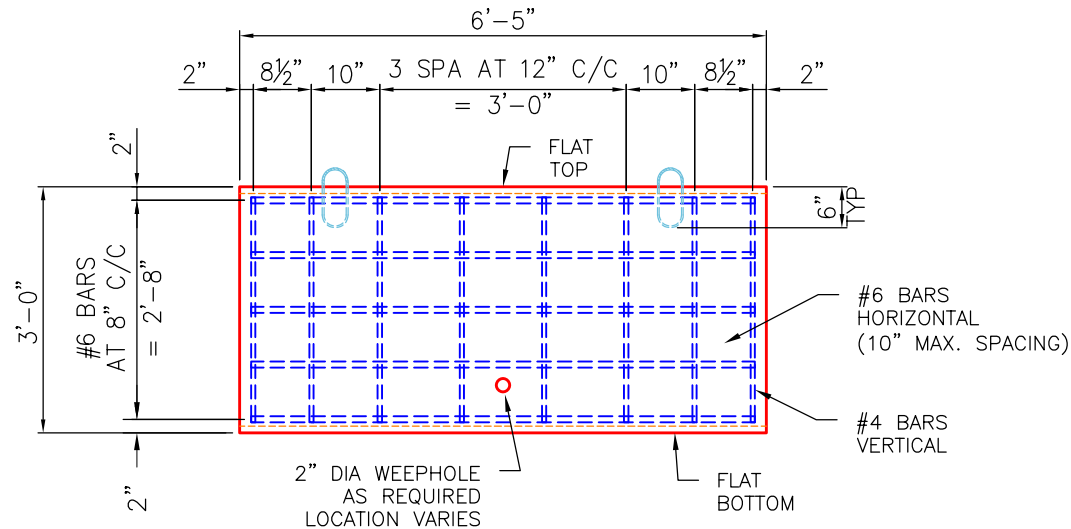
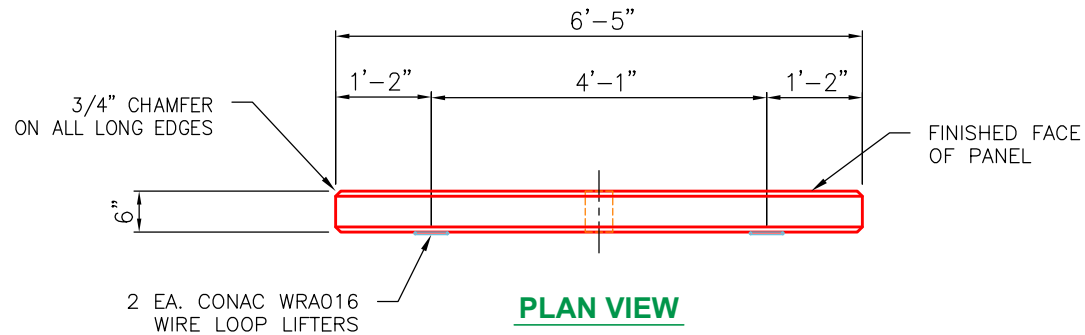
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

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 1:23:22 PM		Tech: J. Horsley PC: J. Jarvis					
Structure ID: WALL P7-P8 P2 CUSTOM WALL					WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG Hole - 2					1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)					
Rim: 699'					Rim to Invert: 7.75'		Slack: 0"		Sump: 51"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	691.25'	0°	38.5"	2" WEEP HOLE	2"	Hole 2	2"	2"	15"	0"		
Invert 2												
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												
RIGHT-SIDE UP VIEW (int. dimensions)												
(P4) (P3) (P2) << (P1)		 Note: See attached typical drawing for reinforcing and lifting details.										
INSIDE WALL DIMENSIONS												
												
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			



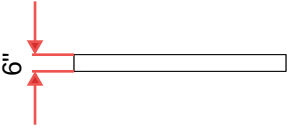
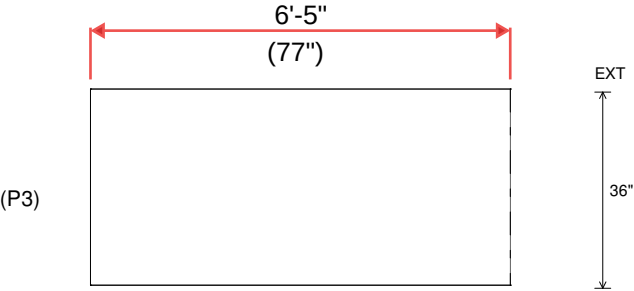
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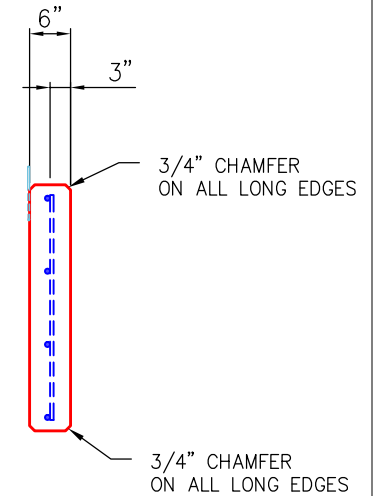
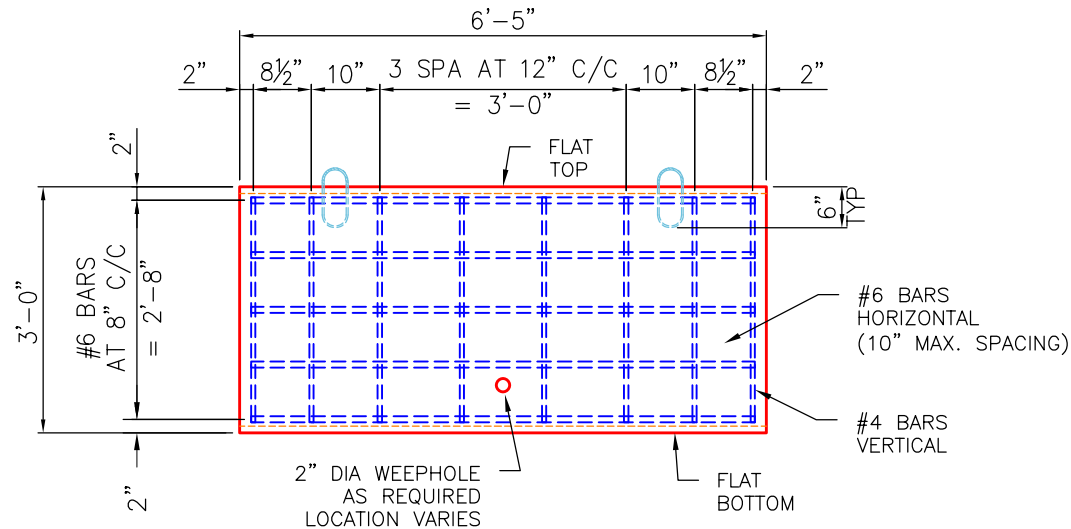
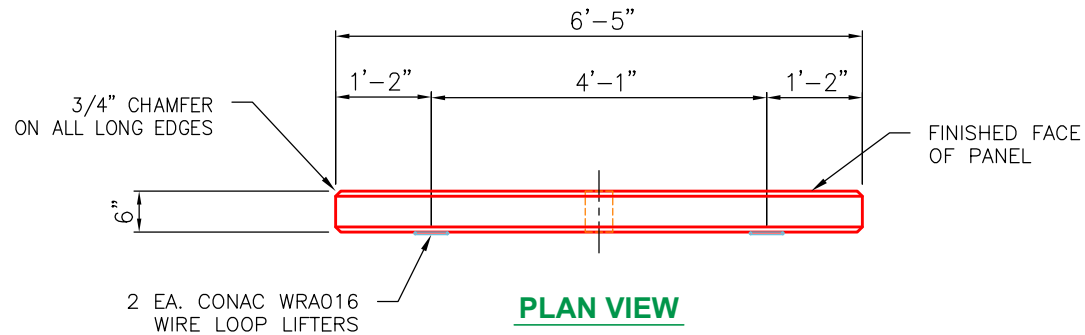
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

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 1:23:22 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P7-P8											
P3 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2						1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETER = 4,000 PSI AT 28" DAYS. 3. SMOOTH FORM FINISH ON THE FRONT SURFACE. 4. 3/4" CHAMFER ON ALL LONG EDGES. REINFORCING PER ASTM A615 (GRADE 60). -VERTICAL BARS = #4 BARS AT 12" C/C -HORIZONTAL BARS = #6 BARS EQUALLY SPACED (10" MAX.)			
Rim: 699' Rim to Invert: 7.75' Slack: 0" Sump: 51" 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											
(P4) (P3) << (P2) (P1) RIGHT-SIDE UP VIEW (int. dimensions)  INSIDE WALL DIMENSIONS  Note: See attached typical drawing for reinforcing and lifting details.											
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	



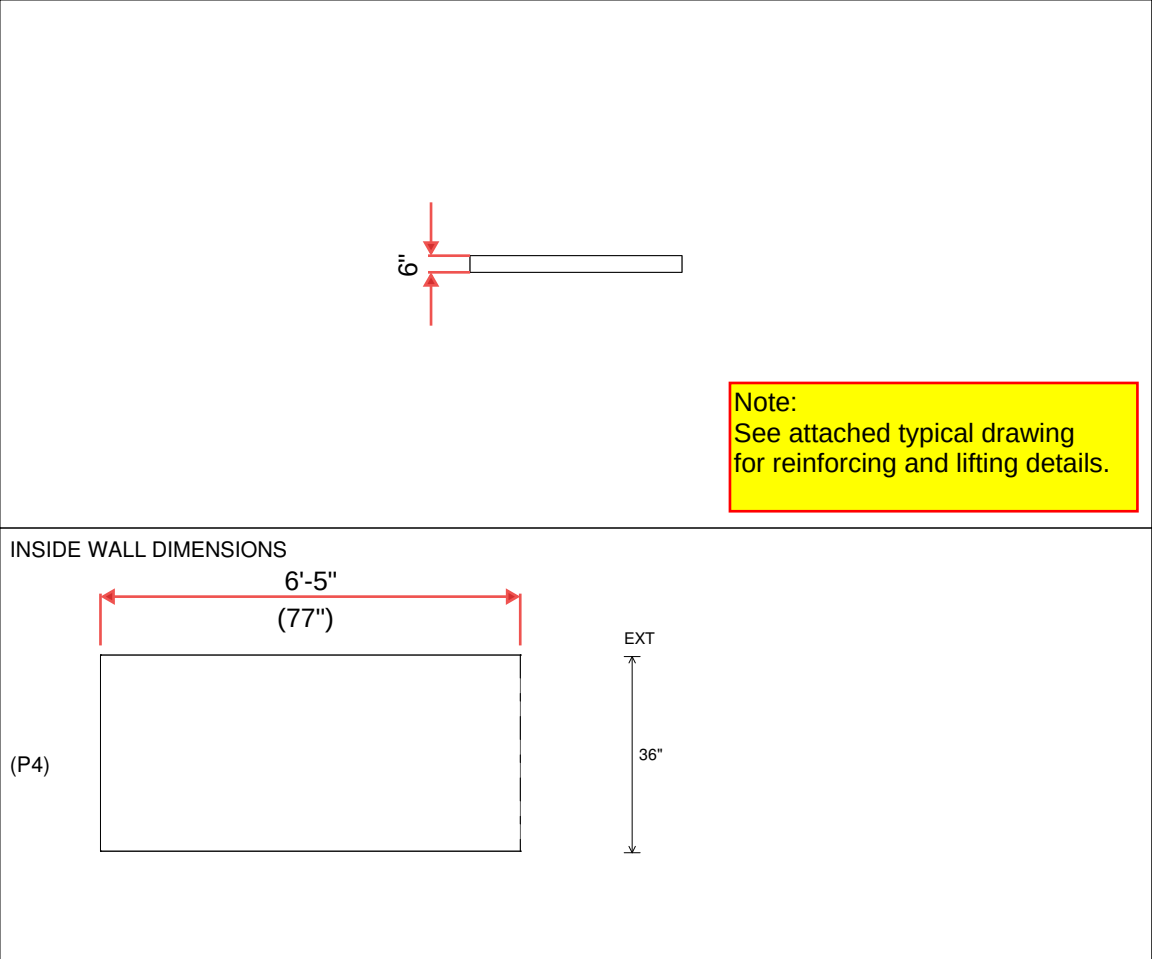
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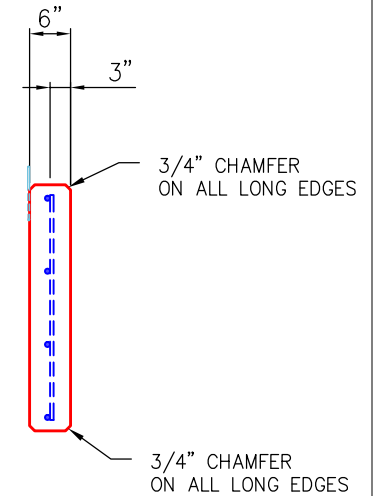
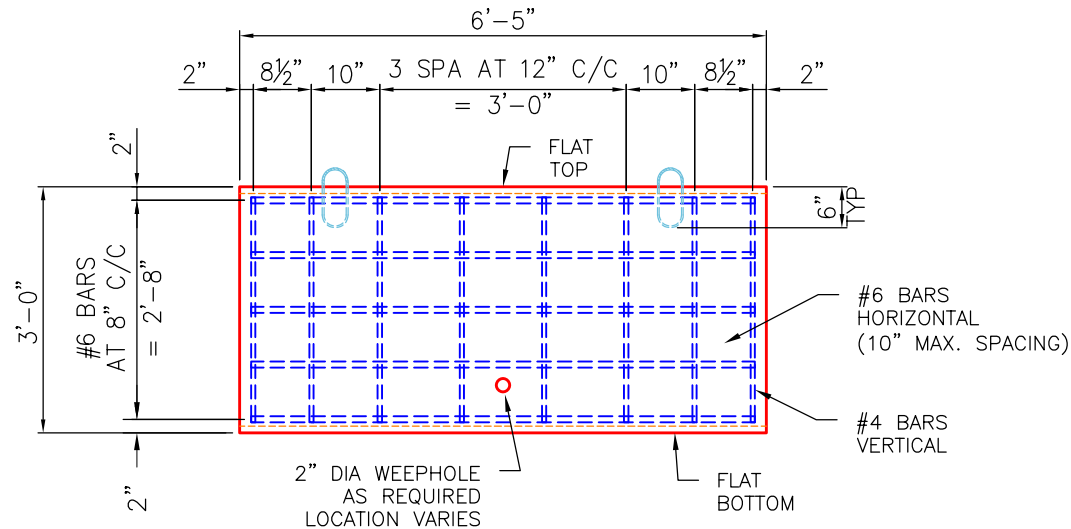
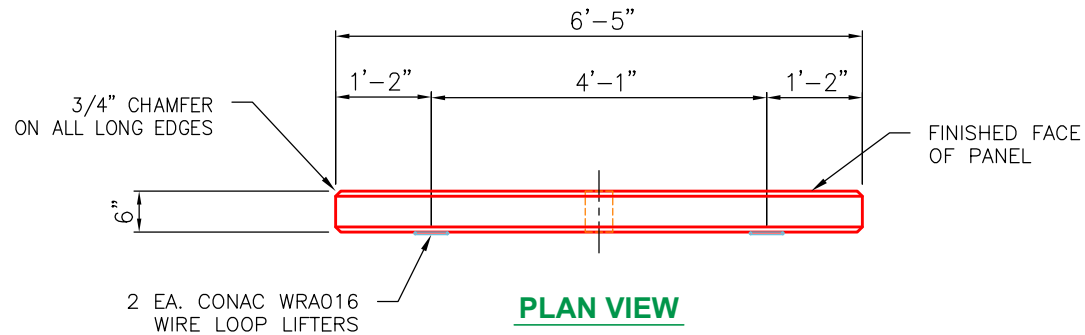
1. MANUFACTURED ASTM C913 SPECIFICATIONS.
2. CONCRETE: 4,000 PSI MINIMUM AT 28 DAYS.
3. REINFORCING: AS PER PLAN DESIGN (GRADE 60).
4. CONAC 5CA14 ANCHORS CAST IN FOR HANDLING.
5. WEIGHT = 1,413 LBS
6. 68 REQUIRED.

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 1:23:23 PM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: WALL P7-P8											
P4 CUSTOM WALL				WALL PANEL 6" THICK F/F							
P4) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG 1) Hole - 2						1398 lb 1398 lb 1398 lb 1398 lb 0 lb ----- Structure Total: 5591 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. 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: 699' Rim to Invert: 7.75' Slack: 0" Sump: 51" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) (P4) << (P3) (P2) (P1)  Note: See attached typical drawing for reinforcing and lifting details. INSIDE WALL DIMENSIONS 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 1:23:21 PM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: WALL P6-P7

P2 CUSTOM WALL

WALL PANEL 6" THICK F/F

P4) 77" x 6" - WALL PANEL 6" THICK F/F - 2.00' HT x 6.42' LONG

P3) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

P2) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

P1) 77" x 6" - WALL PANEL 6" THICK F/F - 3.00' HT x 6.42' LONG

1) Hole - 2

932 lb

1398 lb

1398 lb

1398 lb

0 lb

Structure Total: 5125 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: 699'

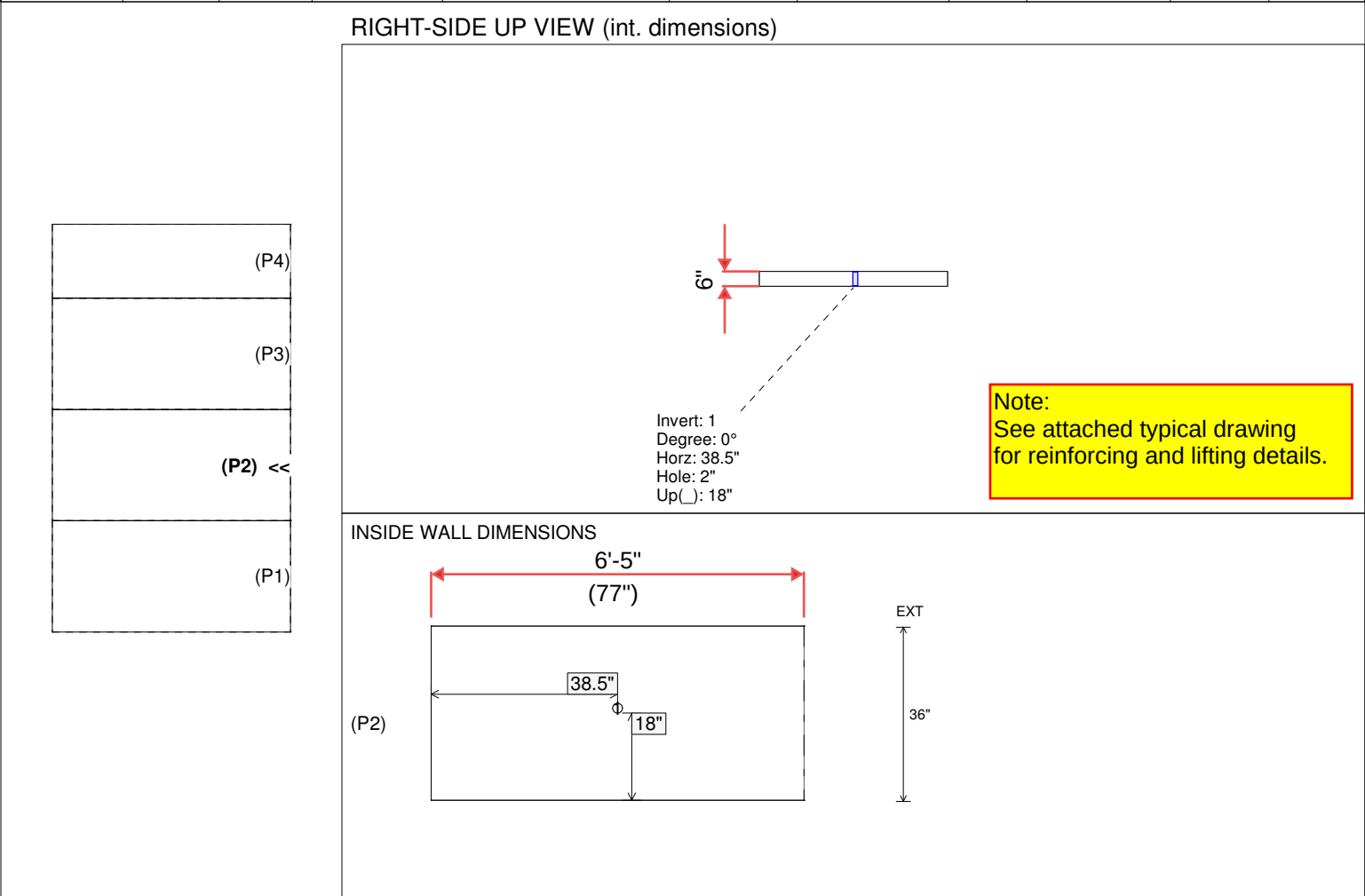
Rim to Invert: 6.5'

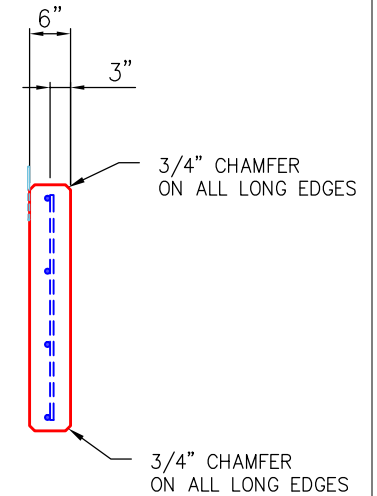
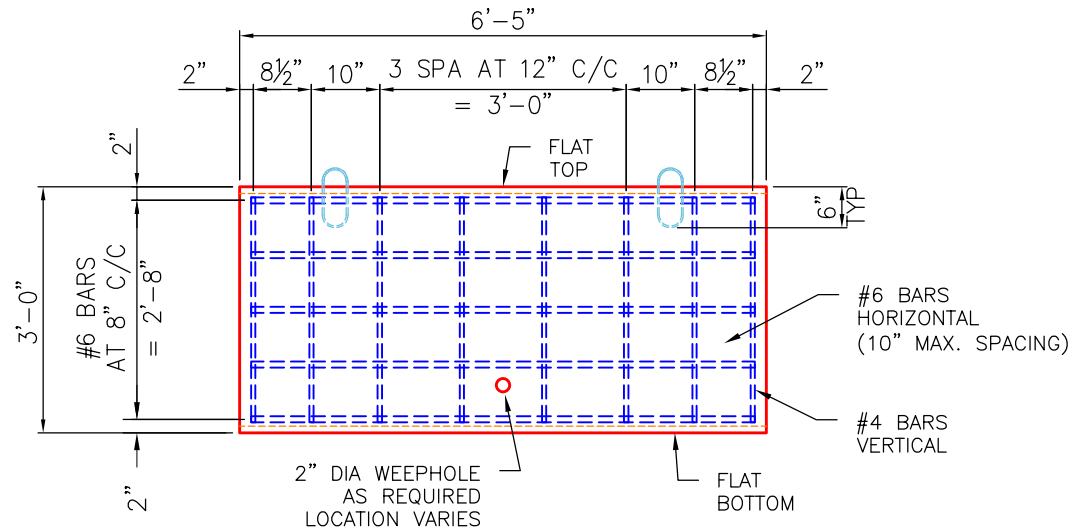
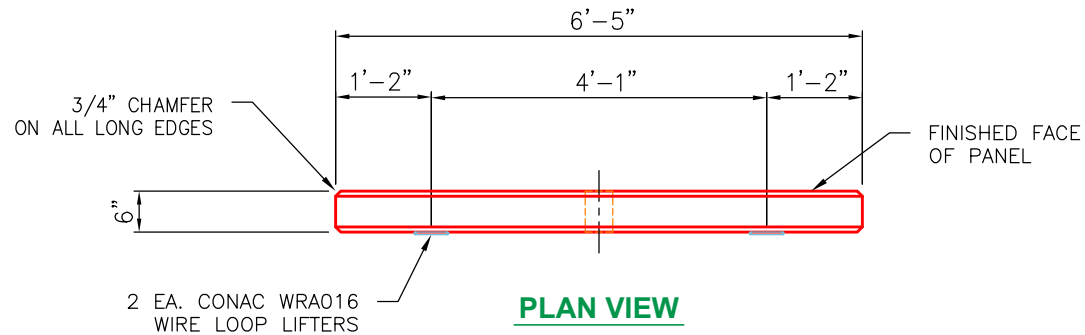
Slack: 0"

Sump: 54"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	692.5'	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										





GENERAL NOTES:

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

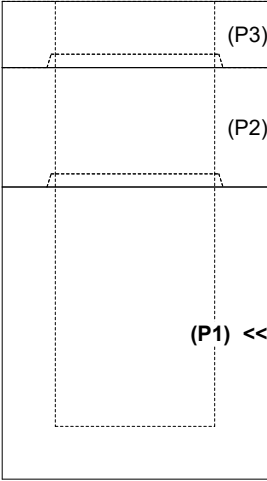
SIDE VIEW

END VIEW

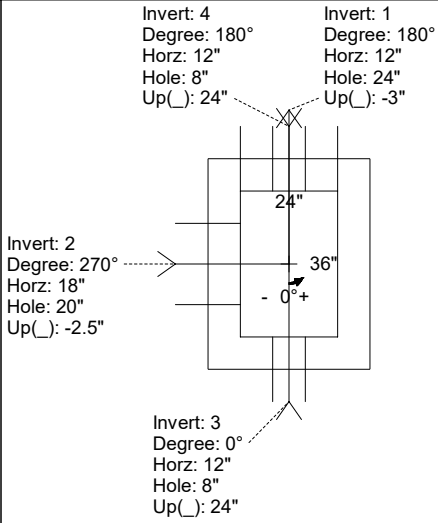
REVISION INFORMATION				SUBMITTAL DESCRIPTION: WALL PANEL 6.50' LG x 6" THK.	
REV. 	DATE:	NO REVISIONS TO DATE		CUSTOMER: HALL CONTRACTING OF KY INC.	
				PROJECT: MITCHELL HILL ROAD PROJECT	
				STRUCTURE ID.: WALL PANEL 6" THK (78" LG x 36" HT)	
				SALES ORDER NO: 26-1333	
				CHECK: B. SMITH	DRAWN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

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/4/2026 4:51:57 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 515											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht T/n							
P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 36" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 24 1) Hole - 20 2) Hole - 8					3398 lb 5270 lb 4563 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP				
Rim: 853.56' Rim to Invert: 5.39' Slack: 0.68" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	848.17'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2	848.17'	270°	26"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"	
Invert 3	850.34'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	24"	0"	
Invert 4	850.34'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	24"	0"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											

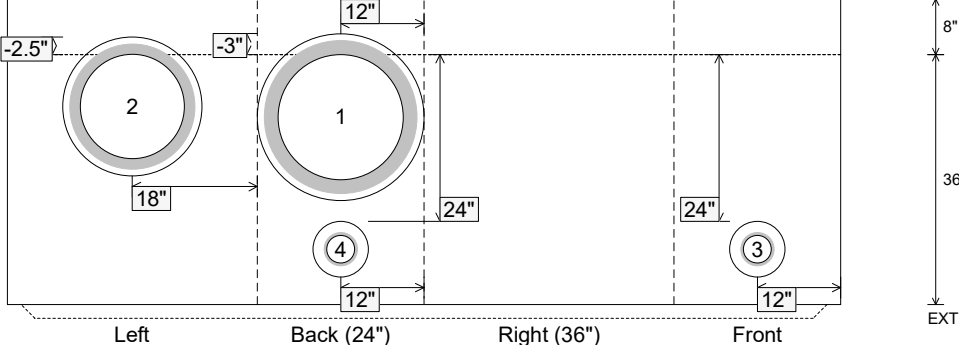
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

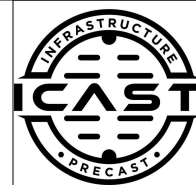


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 36" Height (Ext): 44"	Weight (Net): 4563 lb Volume (Net): 1.17cu.yd
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Job Name: 25-3062 Portland Bypass
Job Location: Portland, TN
Contractor: Scotty's Contracting & Stone, LLC

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

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-22

P1 BX4848-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P3) 28" x 34" - CASTING HEIGHT - 7"
P2) 48" x 48" - BX FLAT LID 8"W - TDOT 12SB (28"x34" Hole) - 10"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 46"
1) CASTING - JBS-3123 MODIFIED SET
1) 48" x 48" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
2) Hole - 39
1) Hole - 6

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

Structure Total:

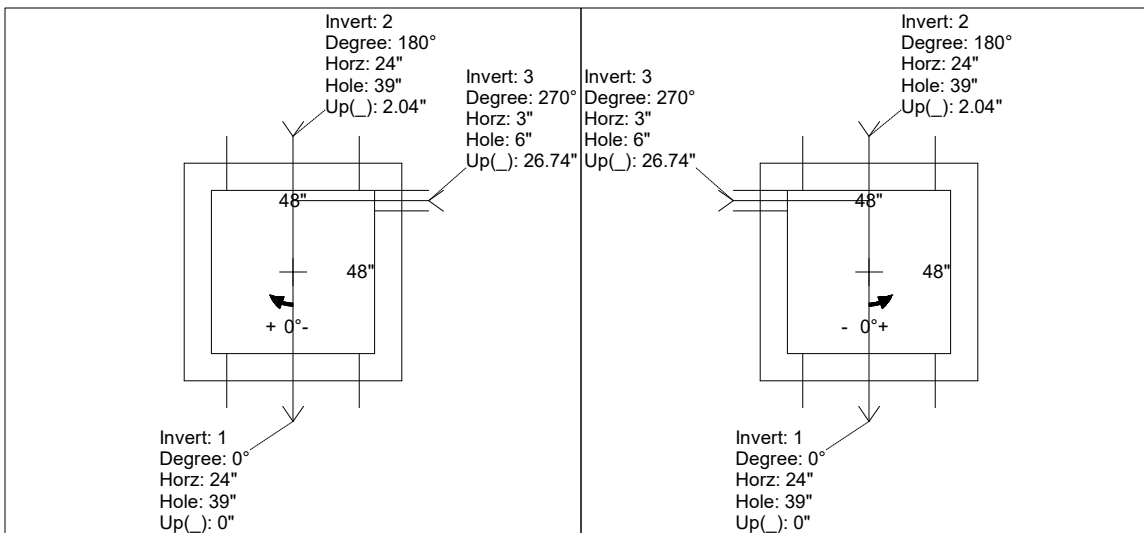
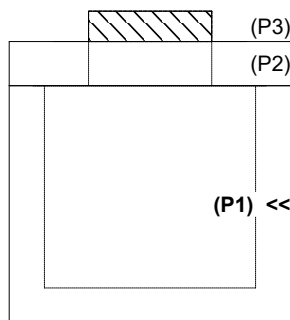
11003 lb

Rim: 794.7' Rim to Invert: 4.97' Slack: 0.14" Sump: 3.5" Step Position:

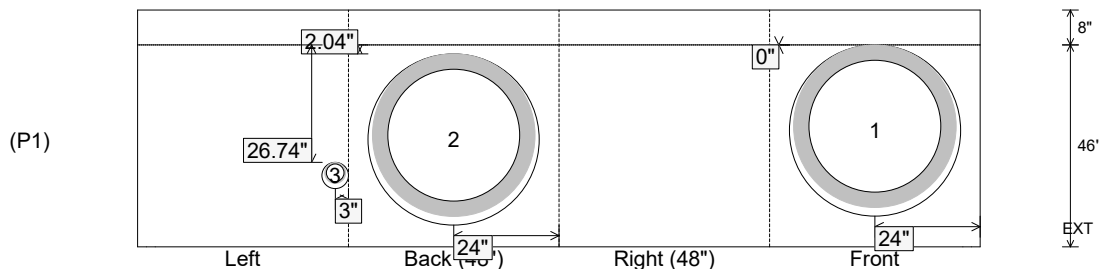
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	789.73'	0°	32"	30" RCP B WALL	37"	Hole 39	39"	39"	0"	0"
Invert 2	789.9'	180°	32"	30" RCP B WALL	37"	Hole 39	39"	39"	2.04"	0"
Invert 3	791.7'	270°	11"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	26.74"	-21"
Invert 4										
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): 46"
Height (Ext): 54"

Weight (Net): 8115 lb
Volume (Net): 2.07cu.yd

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

Plant: Beaver Dam
6/1/2026 8:22:55 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-20

P1 BX3232-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 32" x 32" - CASTING HEIGHT - 7"
P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 40"
1) CASTING - JBS-3123 MODIFIED SET
1) 32" x 32" - Conseal CS-102 1.00"
1) Hole - 26
1) Hole - 6

Structure Total: 5763 lb

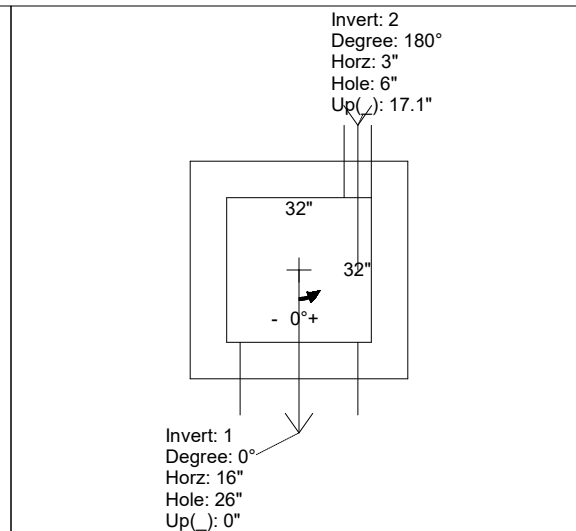
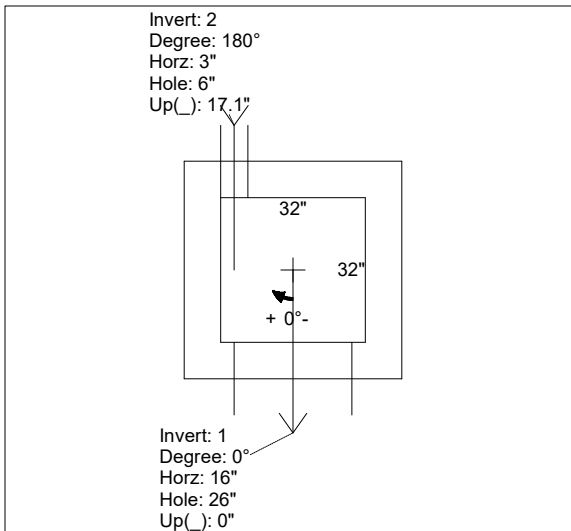
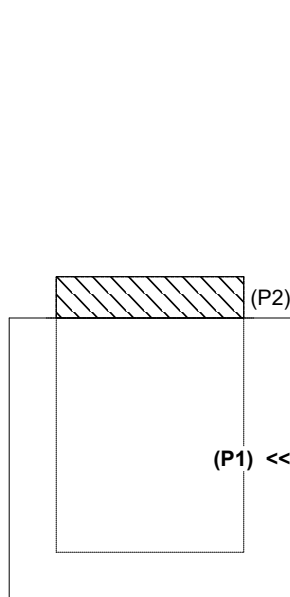
Structure Notes:
1. PER TDOT D-CB-12LP / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. JBS 3123 MOD SINGLE SET BY ICAST
5. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

Rim: 790.34' Rim to Invert: 3.75' Slack: 0.5' Sump: 2.5' Step Position:

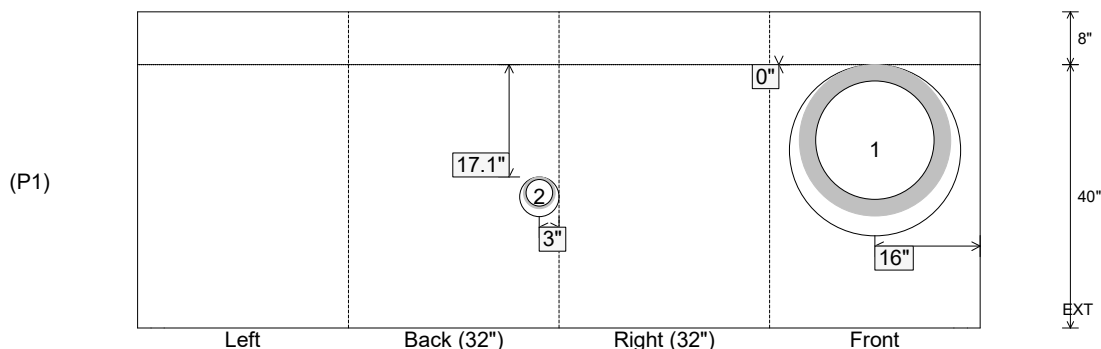
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	786.59'	0°	24"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2	787.84'	180°	11"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	17.1"	-13"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 40"
Height (Ext): 48"

Weight (Net): 5513 lb
Volume (Net): 1.41cu.yd

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

Plant: Beaver Dam
6/1/2026 8:24:15 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-19

P2 BX036048-10LD08W-SP

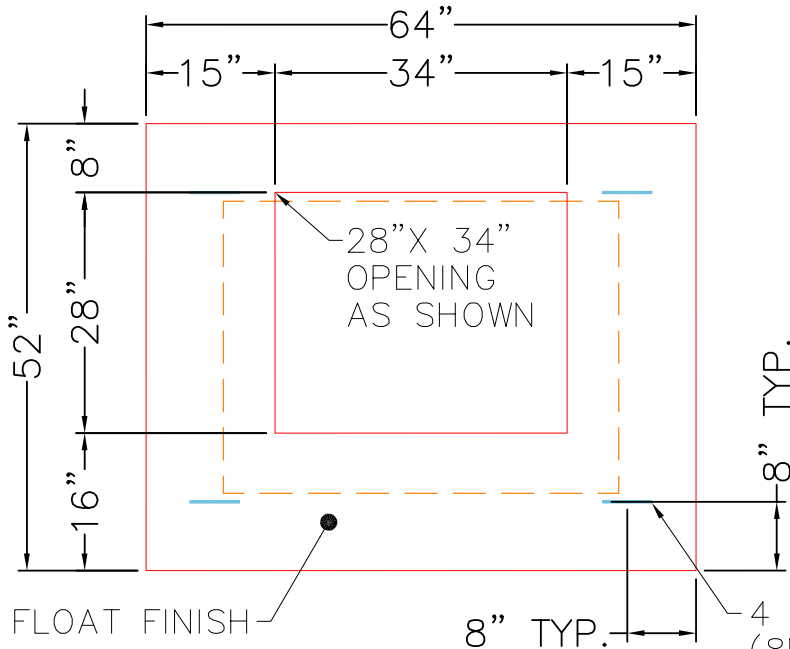
BX FLAT LID 8"W - TDOT 12P (28"x34" Hole)

- P3) 28" x 34" - CASTING HEIGHT - 7"
P2) 36" x 48" - BX FLAT LID 8"W - TDOT 12P (28"x34" Hole) - 10"
P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 40"
1) CASTING - JBS-3123 MODIFIED SET
1) 36" x 48" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
1) Hole - 32
2) Hole - 25
1) Hole - 8

- 0 lb
2044 lb
6574 lb
250 lb
0 lb
0 lb
0 lb
0 lb
0 lb

8867 lb
- Structure Notes:
1. PER TDOT D-CB-12S / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. JBS 3123 MOD SINGLE SET BY ICAST
5. REINFORCING PER ASTM A615 (GRADE 60).
** SEE TDOT STD DRAWING D-CB-12S **
- TOP SLAB - DBL MAT #5 BARS.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

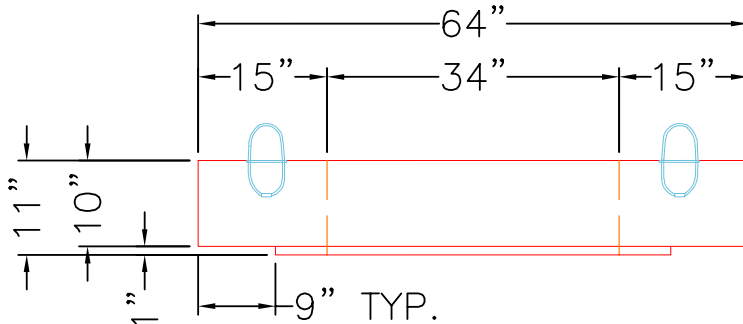
Structure Total:



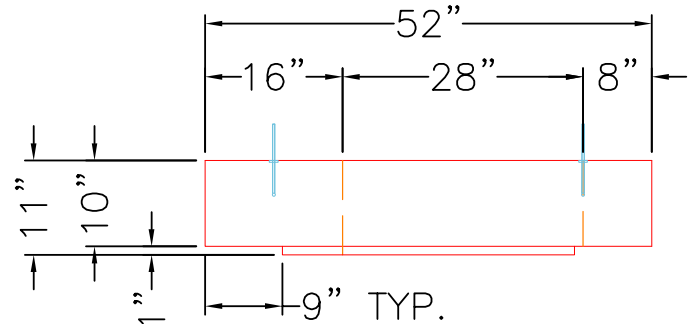
TOP VIEW

GENERAL NOTES:

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



FRONT VIEW



RIGHT VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 10"

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

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

Plant: Beaver Dam
6/1/2026 8:24:14 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-18

P2 BX048048-10LD08W-SP

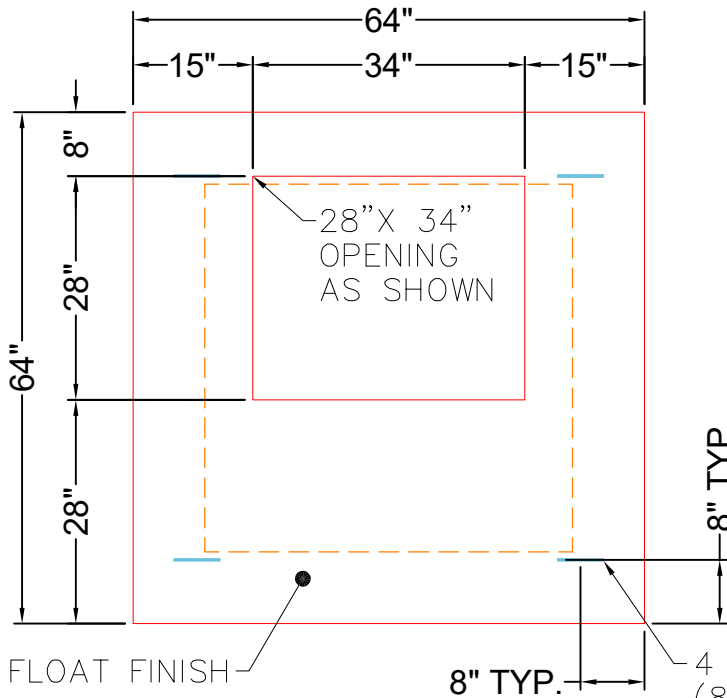
BX FLAT LID 8"W - TDOT 12SB (28"x34" Hole)

- P3) 28" x 34" - CASTING HEIGHT - 7"
P2) 48" x 48" - BX FLAT LID 8"W - TDOT 12SB (28"x34" Hole) - 10"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 39"
1) CASTING - JBS-3123 MODIFIED SET
1) 48" x 48" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
1) Hole - 40 x 28
1) Hole - 32
1) Hole - 6

0 lb
2638 lb
7743 lb
250 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 10631 lb

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

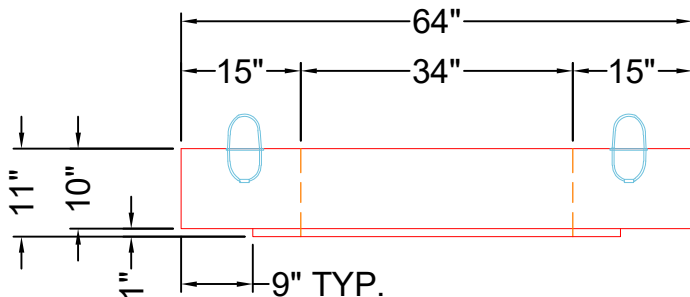


TOP VIEW

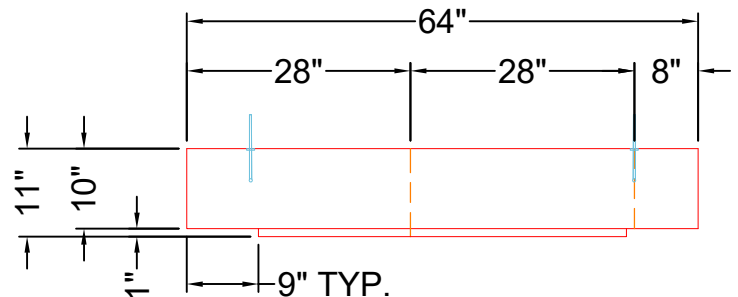
GENERAL NOTES:

1. MANUFACTURED TO TDOT D-CB-12SB
ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: PER TDOT DRAWING D-CB-12SB
(GRADE 60).
4. WEIGHT: 2,683 LBS
5. JOINT SEALANT TO BE CONSEAL CS-102, 1".

4 EA. CONAC WRA016
(8MM) WIRE ANCHORS
REQUIRED MINIMUM.



FRONT VIEW



RIGHT VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 10"

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

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

Plant: Beaver Dam
6/1/2026 8:22:50 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-16

P1 BX3648-08BA60

BOX BASE 8inW, 8inF

P4) 28" x 34" - CASTING HEIGHT - 7"
P3) 36" x 48" - BX FLAT LID 8"W - TDOT 12P (28"x34" Hole) - 10"
P2) 36" x 48" - BOX RISER 8inW - 42"
P1) 36" x 48" - BOX BASE 8inW, 8inF - 60"
1) CASTING - JBS-3123 MODIFIED SET
2) 36" x 48" - Conseal CS-102 1.00"
1) 28" x 34" - Conseal CS-102 1.00"
2) Hole - 40
2) Hole - 6

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

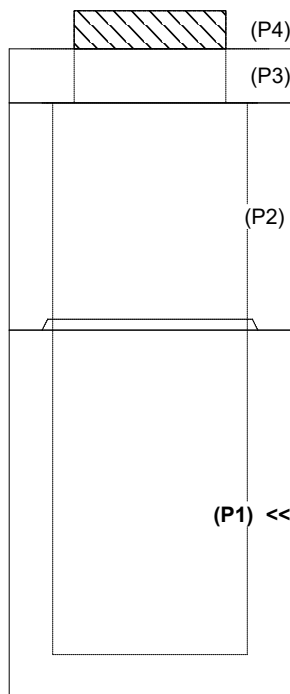
Structure Total: 16497 lb

Rim: 815.01' Rim to Invert: 9.69' Slack: 0.78" Sump: 3.5" Step Position:

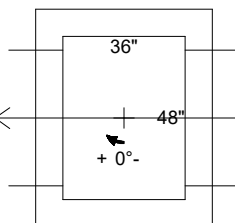
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	805.32'	90°	32"	30" RCP B WALL	37"	Hole 40	40"	40"	0"	0"
Invert 2	805.32'	270°	32"	30" RCP B WALL	37"	Hole 40	40"	40"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

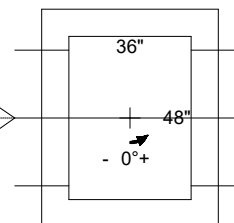


Invert: 1
Degree: 90°
Horz: 24"
Hole: 40"
Up(): 0"



Invert: 2
Degree: 270°
Horz: 24"
Hole: 40"
Up(): 0"

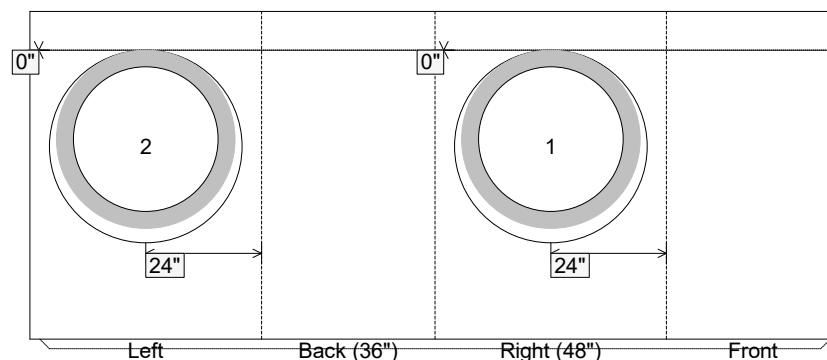
Invert: 2
Degree: 270°
Horz: 24"
Hole: 40"
Up(): 0"



Invert: 1
Degree: 90°
Horz: 24"
Hole: 40"
Up(): 0"

INSIDE WALL DIMENSIONS

(P1)



8"
60"
EXT

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

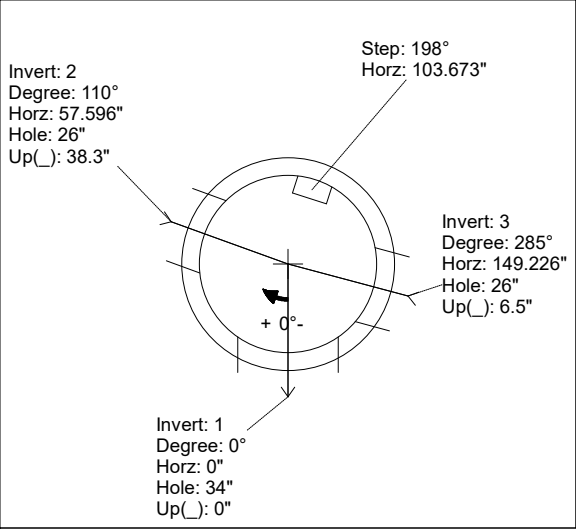
Wall Thickness: 8"
Floor Height: 8"

Height (Int): 60"
Height (Ext): 68"

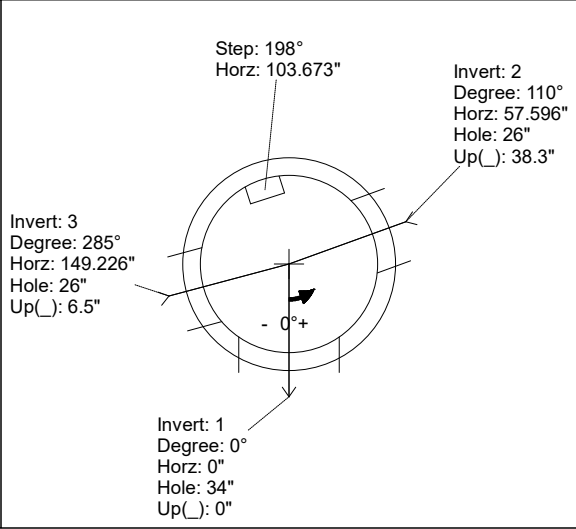
Weight (Net): 8602 lb
Volume (Net): 2.2cu.yd

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:36:47 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R2											
P1 MH060BA72		MH BASE F/n									
P3) 28" x 28" - CASTING HEIGHT - 5" P2) 60" - MH FLAT TOP w/28"x28" Hole F/F - 8" P1) 60" - MH BASE F/n - 72" 1) 60" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 1) 60" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 34 2) Hole - 26 6) MH Step ML-10-TDS-NCR - 10"					0 lb 2217 lb 9218 lb 1700 lb 250 lb 0 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. 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 .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.				
Structure Total:					13385 lb						
Rim: 573.26' Rim to Invert: 6.94' Slack: 1.28" Sump: 3" Step Position: 198											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	566.32'	0°	0"	24" RCP B WALL	30"	Hole 34	34"	36.147"	0"	0"	
Invert 2	569.47'	110°	69.115"	18" RCP B WALL	23"	Hole 26	26"	26.891"	38.3"	0"	
Invert 3	566.82'	285°	179.071"	18" RCP B WALL	23"	Hole 26	26"	26.891"	6.5"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

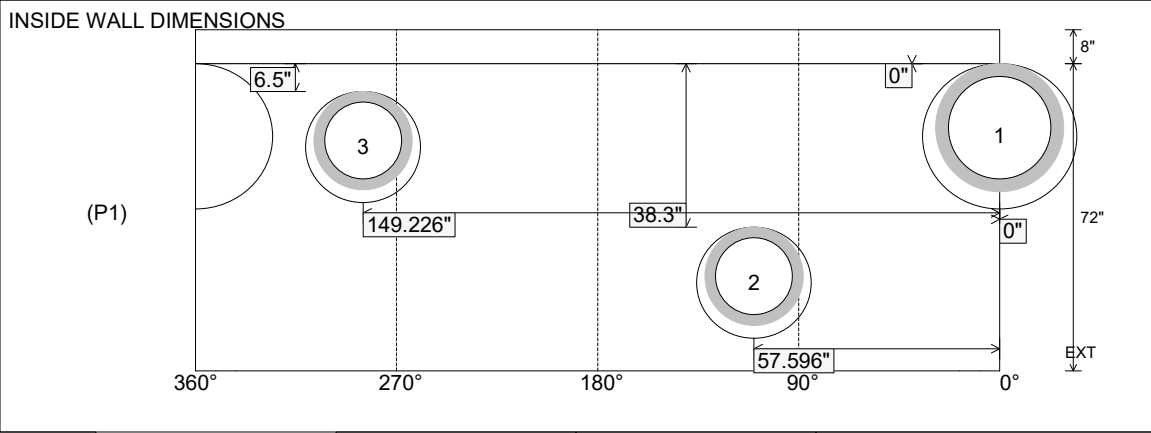
RIGHT-SIDE UP VIEW (int. dimensions)



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): 72" Height (Ext): 80"	Weight (Net): 9218 lb Volume (Net): 2.36cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:36:47 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R2

P1 MH060BA72

MH BASE F/n

P3) 28" x 28" - CASTING HEIGHT - 5"

P2) 60" - MH FLAT TOP w/28"x28" Hole F/F - 8"

P1) 60" - MH BASE F/n - 72"

1) 60" - STORM INVERT CHANNEL - 1/4 HEIGHT

1) CASTING - JBS 3104-V SINGLE SET

1) 60" - Conseal CS-102 1.00"

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

1) Hole - 34

2) Hole - 26

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

0 lb

2217 lb

9218 lb

1700 lb

250 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 13385 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 .18)

- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 573.26'

Rim to Invert: 6.94'

Slack: 1.28"

Sump: 3"

Step Position: 198

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	566.32'	0°	0"	24" RCP B WALL	30"	Hole 34	34"	36.147"	0"	0"
Invert 2	569.47'	110°	69.115"	18" RCP B WALL	23"	Hole 26	26"	26.891"	38.3"	0"
Invert 3	566.82'	285°	179.071"	18" RCP B WALL	23"	Hole 26	26"	26.891"	6.5"	0"
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: 57.596"
Hole: 26"
Up(): 38.3"

Step: 198°
Horz: 103.673"

Invert: 3
Degree: 285°
Horz: 149.226"
Hole: 26"
Up(): 6.5"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 34"
Up(): 0"

Invert: 2
Degree: 110°
Horz: 57.596"
Hole: 26"
Up(): 38.3"

Step: 198°
Horz: 103.673"

Invert: 3
Degree: 285°
Horz: 149.226"
Hole: 26"
Up(): 6.5"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 34"
Up(): 0"

INSIDE WALL DIMENSIONS

6.5"

149.226"

38.3"

57.596"

0"

0"

0"

72"

8"

EXT

360°

270°

180°

90°

0°

(P1)

3

2

1

Coating (Int):

Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

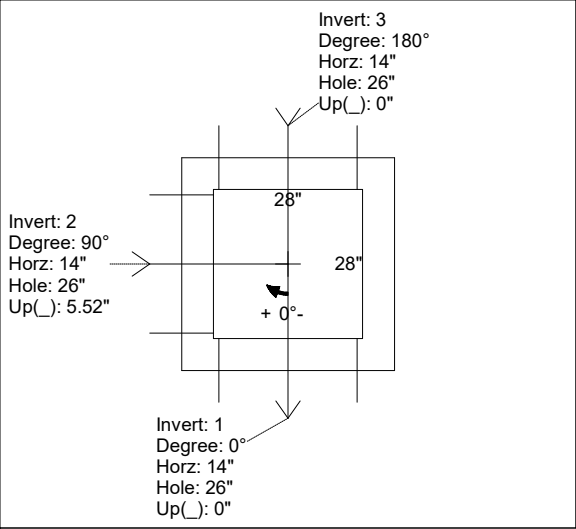
Height (Int): 72"
Height (Ext): 80"

Weight (Net): 9218 lb
Volume (Net): 2.36cu.yd

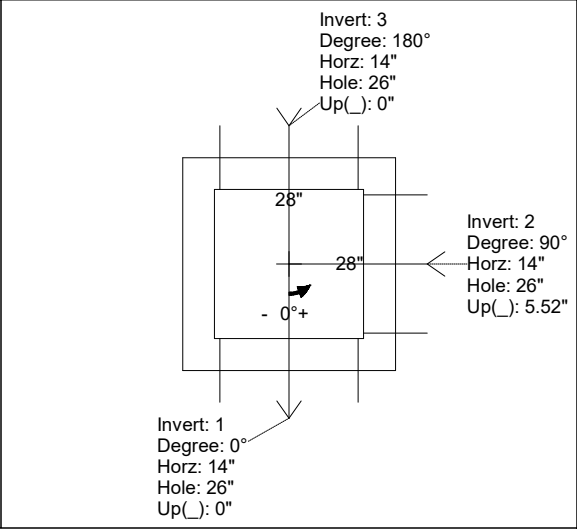
Invert channel drawing
1/4 Height storm invert

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:08 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R20											
P1		BX2828-06BA48		BOX BASE 6inW, 6inF F/n							
P3) 28" x 28" - CASTING HEIGHT - 5" P2) 28" x 28" - GRADE RING 6"W F/F - 3" P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 2) 28" x 28" - Conseal CS-102 1.00" 3) Hole - 26"					0 lb 205 lb 3290 lb 450 lb 250 lb 0 lb 0 lb ----- 4196 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 590.65' Rim to Invert: 4.49' Slack: 0.38" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	586.16'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 2	586.62'	90°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	5.52"	0"	
Invert 3	586.16'	180°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

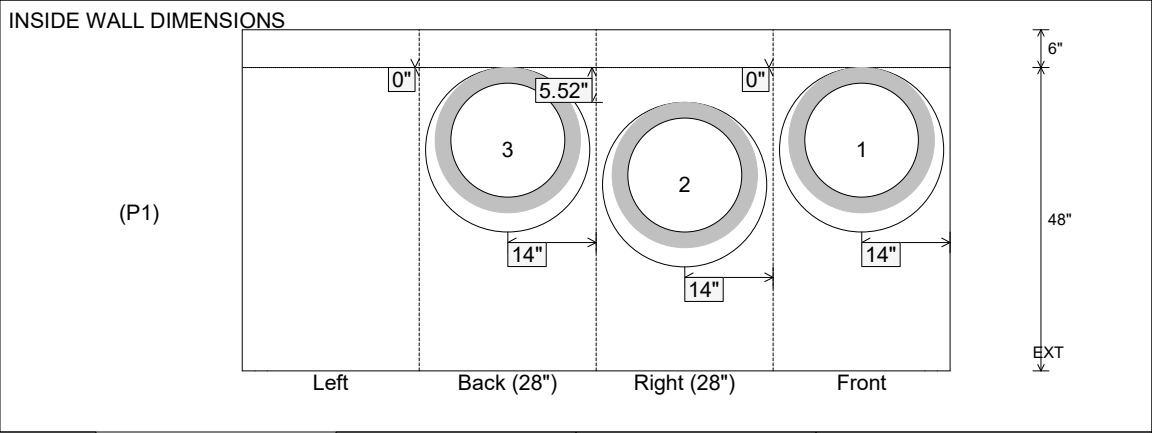
RIGHT-SIDE UP VIEW (int. dimensions)



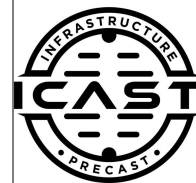
UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 48" Height (Ext): 54"	Weight (Net): 3290 lb Volume (Net): 0.84cu.yd
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Weight (Net): 3290 lb
Volume (Net): 0.84cu.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 5:41:13 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 49

P2 BX1818-06RVF

BOX RISER 6inW, Variable Ht F/G

P3) 18" x 18" - CASTING HEIGHT - 4"

P2) 18" x 18" - BOX RISER 6inW, Variable Ht F/G - 14"

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

2) 18" x 18" - Conseal CS-102 1.00"

1) Hole - 18

0 lb

677 lb

1517 lb

0 lb

0 lb

Structure Total: 2194 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: 551.29' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

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

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

18"

+

18"

+ 0°-

INSIDE WALL DIMENSIONS

FrontRight (18")Back (18")Left

(P2)

EXT

14"

Coating (Int):

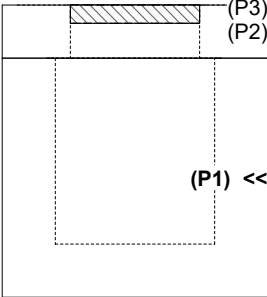
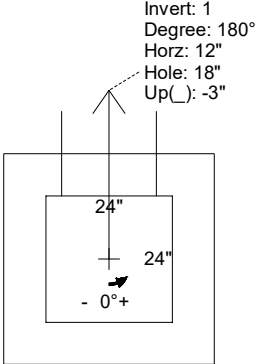
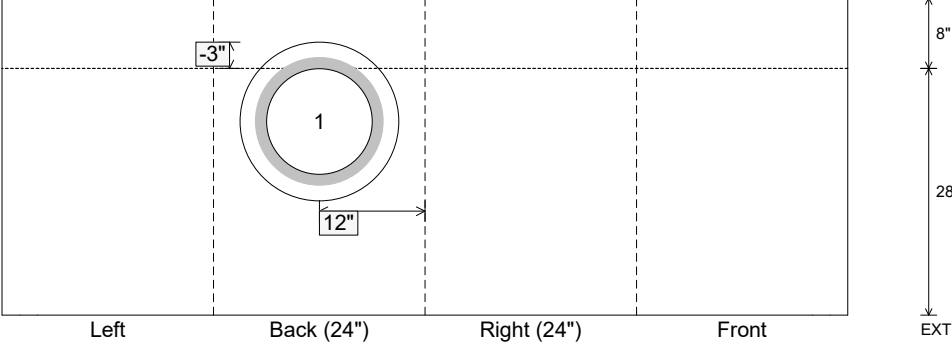
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"
Floor Height: 0"

Height (Int): 14"
Height (Ext): 14"

Weight (Net): 677 lb
Volume (Net): 0.17cu.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 3:09:53 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 55											
P1 BX2424-08BAVF BOX BASE 8inW, 8inF, Variable Ht F/n											
P3) 19.5" - CASTING (cast in) - 2.75" P2) 24" x 24" - CB FLAT TOP 8"W (HOE KY-210) F/F - 8" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 28" 1) This Structure Includes a Cast-in Item - HOE KY-210 Frame (Supplied By Others) 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 18						0 lb 943 lb 3309 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 4252 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TYPE 14 / 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-210 FRAME & GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID			
Rim: 551.3' 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	548.3'	180°	20"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions)  INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 28" Height (Ext): 36"		Weight (Net): 3309 lb Volume (Net): 0.84cu.yd		

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

Plant: 100

6/2/2026 10:56:16 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: V V (16)

P2 MH096LD17S

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

P3) 48" x 48" - CASTING HEIGHT - 0"
P2) 96" - MH FLAT TOP w/48"x48" Hatch F/G - 17"
P1) 96" - MH BASE EF Cust. Ht. 08"F (14"EF = 142"OD) T/n - 73"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 96" - Conseal CS-102 1.00" (Double)
1) 48" x 48" - Conseal CS-102 1.00" (Double)
3) Hole - 12
1) PSX - 8QRS DD

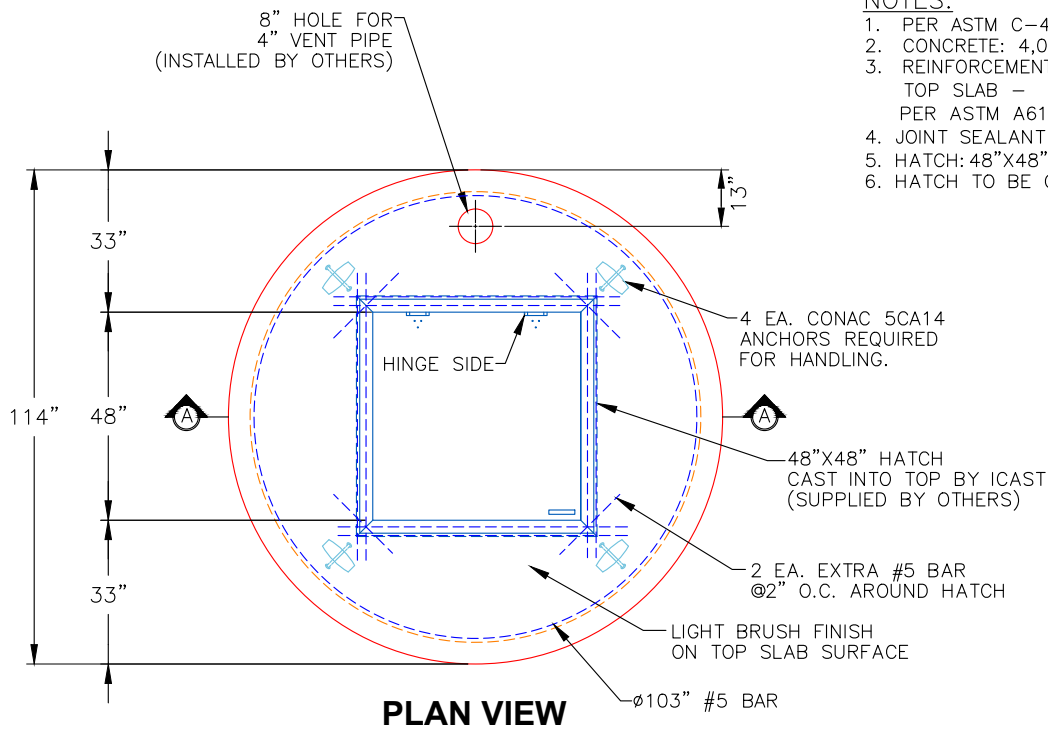
0 lb
8607 lb
28510 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
6 lb

Structure Total: 37124 lb

Structure Notes:

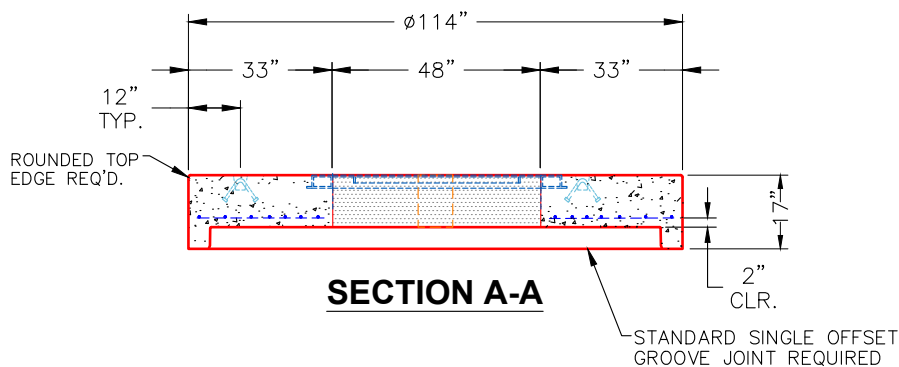
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS.
4. HATCH SUPPLIED BY OTHERS.

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-102-DOUBLE
5. HATCH: 48"X48" HATCH SUPPLIED BY OTHERS.
6. HATCH TO BE CAST INTO TOP SLAB BY ICAST



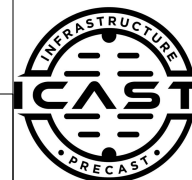
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 9"

Height (Ext): 17"

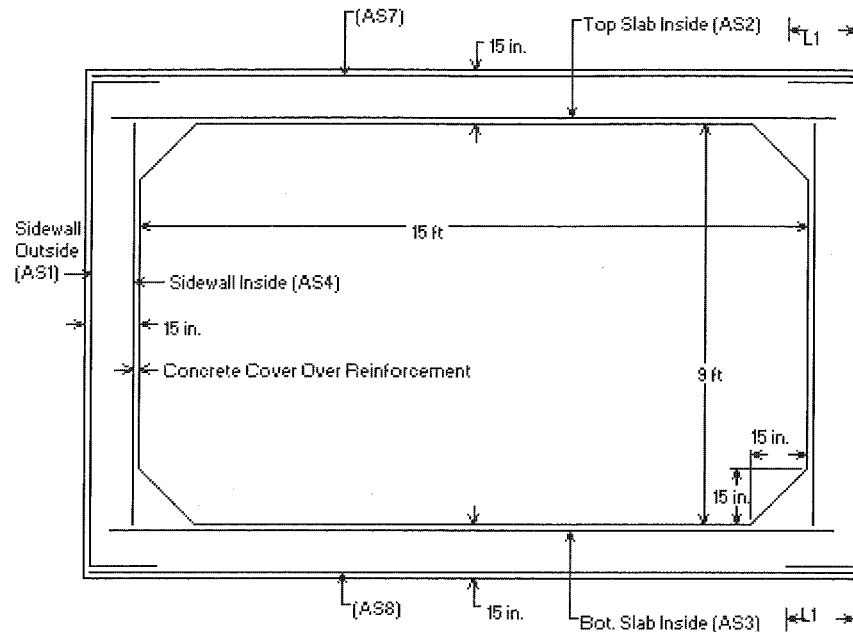
Weight (Net): 8607 lb
Volume (Net): 2.2cu.yd



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

(UPRIGHT IN MOLD)

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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: 1, Flexure: 0.9, Shear: 0.25

Axial Thrust Load Factor: User Specified

Crack Width (CHEDC Only): 0.25 mm

Reinforcement Diameter: 1

Maximum Spacing: 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

Reinforcement Details: Sidewall Outside (AS1) to Bottom Outside (AS8) with diameters and thicknesses.

Return to Main Menu

Jeremiah Littlejohn Documents 3052483

?

Section Length: 8 ft

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

Clear Concrete Covers: Top Slab Outside Face, Top Slab Inside Face, Bottom Slab Outside Face, Bottom Slab Inside Face, Sidewall Outside Face, Sidewall Inside Face

Reinforcement Type: Welded Wire

Minimum Depth of Fill: 2 ft

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 %)

Restore Default Settings

Return to Main Menu

Box - Default (page 3) - Interchange Project

?

Live Load Data: Live Load Type (Max 2), Magnitude (k), HS Series, Interstate/Tandem, Cooper Series, CHEDC Truck, Tandem/Tandem, Other, None

Direction of Traffic: Parallel, To Span

Impact Factor Options: Design Code: 1

Impact Factor (User Def): 1

Lane Load: 0 lb/ft

Live Load Distribution Factor (LLDF): 1.15

Fluid Loads: Depth of Fluid, Fluid Unit Weight

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

Interstate/Tandem Truck Wheel Layout: Diagram showing axle spacing (14 ft, 5 ft, 0.5 ft, 4 ft) and load (A=Axle Load)

Return to Main Menu

Live Load Data: Live Load Type (Max 2), Magnitude (k), HS Series, Interstate/Tandem, Cooper Series, CHEDC Truck, Tandem/Tandem, Other, None

Direction of Traffic: Parallel, To Span

Impact Factor Options: Design Code: 1

Impact Factor (User Def): 1

Lane Load: 0 lb/ft

Live Load Distribution Factor (LLDF): 1.15

Fluid Loads: Depth of Fluid, Fluid Unit Weight

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

Interstate/Tandem Truck Wheel Layout: Diagram showing axle spacing (14 ft, 5 ft, 0.5 ft, 4 ft) and load (A=Axle Load)

Return to Main Menu

Job Name: 25-4665 - Buckhorn WTP

Job Location: Hazard, KY

Contractor: Smith Contractors, Inc.

Plant: 100

4/9/2026 3:44:45 PM

Tech: J. Horsley

PC: E. Bradley



Structure ID: 54665 (4)

P5MH144RSVF

MH RISER Custom Ht T/G

P10) 48" x 36" - HATCH (CAST FLUSH) - 0"

P9) 144" - MH FLAT TOP w/(2) 48"x36" & (1) 30"x30" Hatches F/G - 18"

P8) 144" - MH RISER Custom Ht T/G - 81"

P7) 144" - MH RISER Custom Ht T/G - 81"

P6) 144" - MH RISER Custom Ht T/G - 81"

P5) 144" - MH RISER Custom Ht T/G - 81"

P4) 144" - MH RISER Custom Ht T/G - 74"

P3) 144" - MH RISER Custom Ht T/G - 74"

P2) 144" - MH RISER Custom Ht T/F - 74"

P1) 144" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"

7) JOINT WRAP - 12" WD x 144" MAC WRAP

1) SECONDARY POUR - Intermediate Slab (In Riser P5)

1) This Structure Includes a Cast-in Item - Hatches (Supplied by Others)

4) Stainless Steel Strap - 3"W x 24"L Stainless Steel Strap

8) 144" - Conseal CS-231 1.00" (Double)

1) A-Lok - 0630

0 lb

19644 lb

43581 lb

43581 lb

43581 lb

43581 lb

39815 lb

39815 lb

39815 lb

39445 lb

0 lb

0 lb

13500 lb

0 lb

0 lb

0 lb

0 lb

1 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" HATCHE 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

Structure Total: 326544 lb

FIRST POUR (RISER): 43,581 LBS

SECOND POUR (INTERMEDIATE SLAB): 13,500 LBS

Rim: 755'

Rim to Invert: 46'

Slack: 0"

Sump: 12"

Step Position:

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

(P10)

(P9)

(P8)

(P7)

(P6)

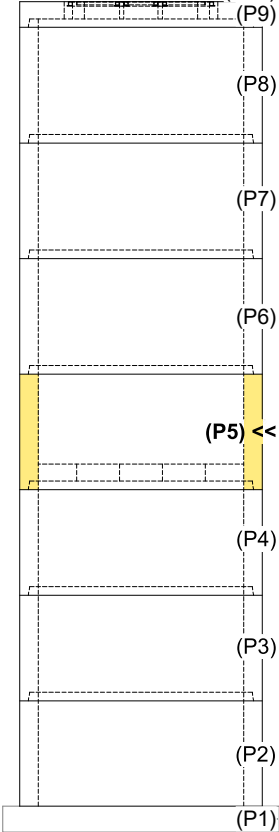
(P5) <<

(P4)

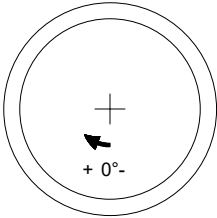
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(P2)

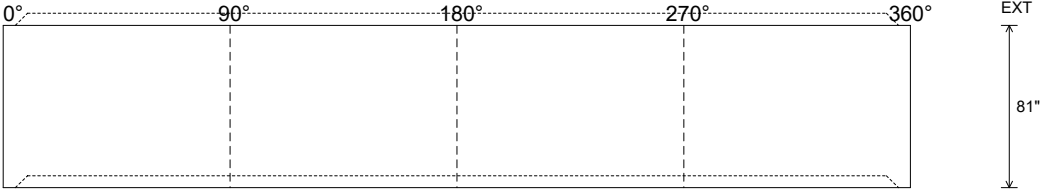
(P1)



RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 13"

Floor Height: 0"

Height (Int): 81"

Height (Ext): 81"

Weight (Net): 43581 lb

Volume (Net): 11.13cu.yd

Job Name: 25-4665 - Buckhorn WTP
Job Location: Hazard, KY
Contractor: Smith Contractors, Inc.

Plant: 100

Tech: J. Horsley

4/9/2026 3:44:45 PM

PC: E. Bradley



Structure ID: 54665 (4)

P5 MH144RSVF

MH RISER Custom Ht T/G

- P10) 48" x 36" - HATCH (CAST FLUSH) - 0"
P9) 144" - MH FLAT TOP w/(2) 48"x36" & (1) 30"x30" Hatches F/G - 18"
P8) 144" - MH RISER Custom Ht T/G - 81"
P7) 144" - MH RISER Custom Ht T/G - 81"
P6) 144" - MH RISER Custom Ht T/G - 81"
P5) 144" - MH RISER Custom Ht T/G - 81"
P4) 144" - MH RISER Custom Ht T/G - 74"
P3) 144" - MH RISER Custom Ht T/G - 74"
P2) 144" - MH RISER Custom Ht T/F - 74"
P1) 144" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"
7) JOINT WRAP - 12" WD x 144" MAC WRAP
1) SECONDARY POUR - Intermediate Slab (In Riser P5)
1) This Structure Includes a Cast-in Item - Hatches (Supplied by Others)
4) Stainless Steel Strap - 3"W x 24"L Stainless Steel Strap
8) 144" - Conseal CS-231 1.00" (Double)
1) A-Lok - 0630

0 lb
19644 lb
43581 lb
43581 lb
43581 lb
43581 lb
39815 lb
39815 lb
39815 lb
39445 lb
0 lb
0 lb
13500 lb
0 lb
0 lb
0 lb
0 lb
1 lb

Structure Total: 326544 lb

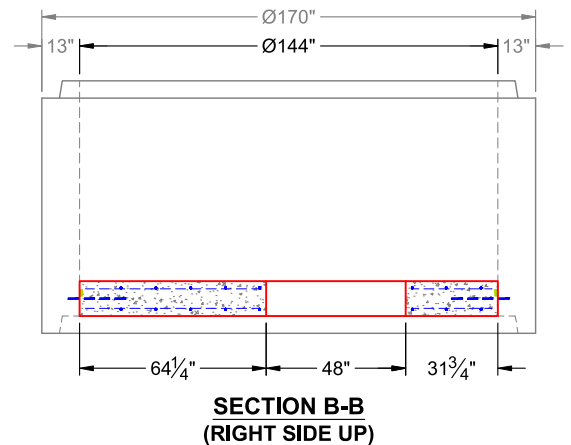
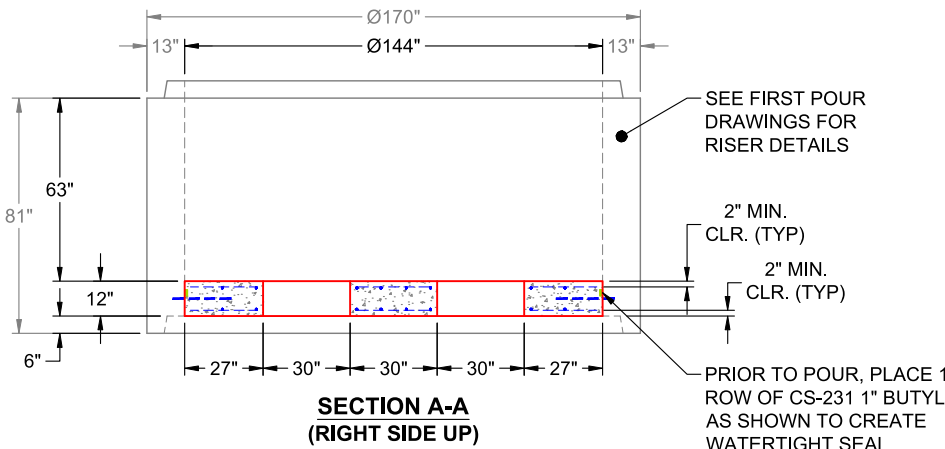
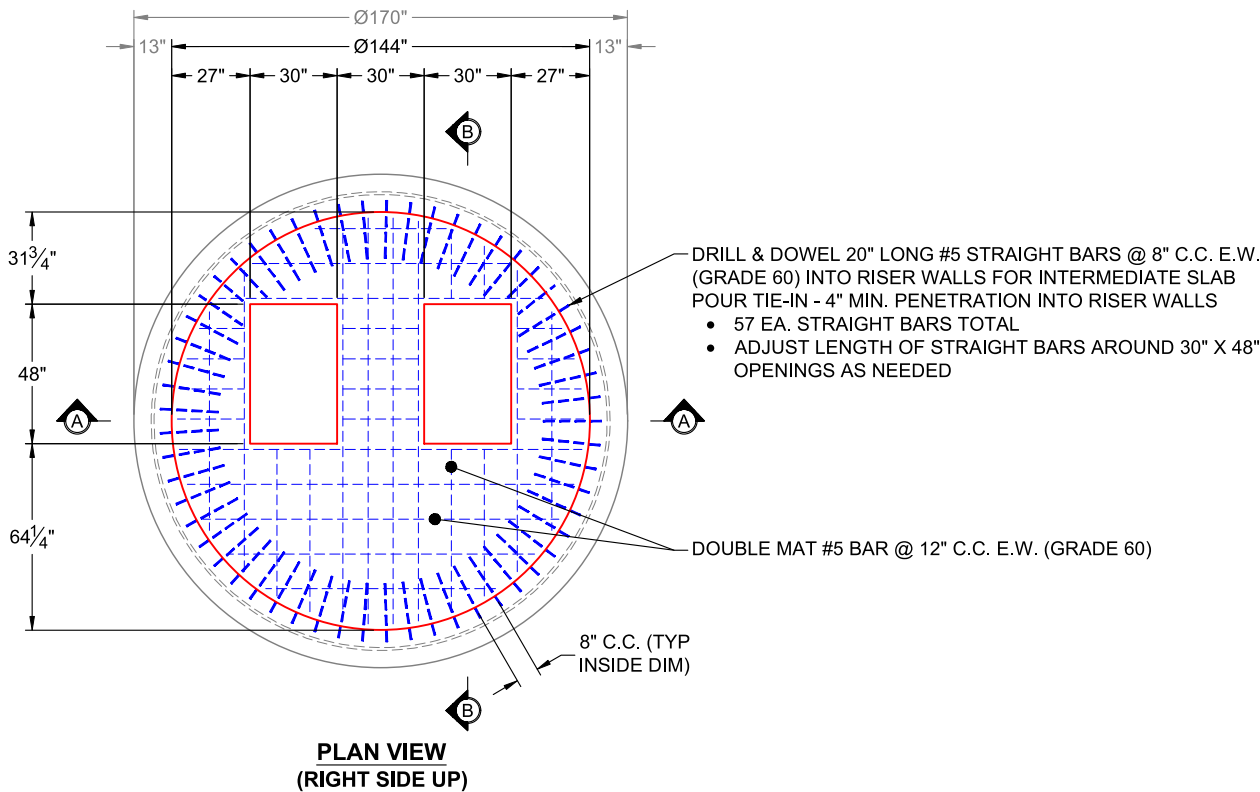
Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: DOUBLE MAT #5 BAR @ 12" C.C.
4. DRILL & DOWEL 20" LONG #5 BAR @ 8" C.C. E.W. (GRADE 60) INTO RISER WALLS FOR INTERMEDIATE SLAB POUR TIE-IN - MIN. 4" PENETRATION INTO RISER WALLS
5. PRIOR TO SLAB POUR, PLACE 1 ROW OF CS-231 1" BUTYL TO CREATE WATERTIGHT SEAL

FIRST POUR (RISER): 43,581 LBS

SECOND POUR (INTERMEDIATE SLAB): 13,500 LBS

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



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 13"
Floor Height: 0"

Height (Int): 81"
Height (Ext): 81"

Weight (Net): 43581 lb
Volume (Net): 11.13cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100		Tech: J. Horsley - A			
					3/20/2026 1:21:35 PM		PC: Celina Goff			
Structure ID: 2301552										
P1 MH060BAVF			MH BASE (10"F) Custom Ht T/n							
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 48" P3) 48" - MH RISER T/G - 60" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE (10"F) Custom Ht T/n - 58" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 3) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 17) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 3353 lb 4192 lb 2204 lb 8117 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- Structure Total: 22812 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 258.5 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 757.14' Rim to Invert: 18.62' Slack: 2.44" Sump: 3" Step Position: 258.5°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	738.52'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	738.62'	157°	98.625"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

	RIGHT-SIDE UP VIEW (int. dimensions)	UPSIDE-DOWN VIEW (int. dimensions)
	INSIDE WALL DIMENSIONS	

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 58" Height (Ext): 68"	Weight (Net): 8117 lb Volume (Net): 2.07cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100		Tech: J. Horsley - A			
					3/20/2026 1:21:35 PM		PC: Celina Goff			
Structure ID: 2301552										
P1 MH060BAVF			MH BASE (10"F) Custom Ht T/n							
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 48" P3) 48" - MH RISER T/G - 60" P2) 60" - MH Transition Slab 48" Hole T/G - 15" P1) 60" - MH BASE (10"F) Custom Ht T/n - 58" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) 60" - Conseal CS-102 1.00" (Double) 3) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 17) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 3353 lb 4192 lb 2204 lb 8117 lb 2692 lb 0 lb 0 lb 2 lb 0 lb ----- Structure Total: 22812 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 258.5 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 757.14' Rim to Invert: 18.62' Slack: 2.44" Sump: 3" Step Position: 258.5°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	738.52'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	738.62'	157°	98.625"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 58" Height (Ext): 68"	Weight (Net): 8117 lb Volume (Net): 2.07cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
Job Location: Fort Mitchell, KY 41017
Contractor: Lykins Contracting

Plant: 100

3/27/2026 11:40:19 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301552

P2 MH060TS15-48ECC

MH Transition Slab 48" Hole T/G

P6) 24" - CASTING HEIGHT - 7"
P5) 48" - CON CONE w/24" HOLE F/G - 36"
P4) 48" - MH RISER T/G - 48"
P3) 48" - MH RISER T/G - 60"
P2) 60" - MH Transition Slab 48" Hole T/G - 15"
P1) 60" - MH BASE (10"F) Custom Ht T/n - 58"
1) 60" - MH INVERT CHANNEL - FULL HEIGHT
1) 60" - Conseal CS-102 1.00" (Double)
3) 48" - Conseal CS-102 1.00" (Double)
2) A-Lok - 1235
17) MH Step ML-10-TDS-NCR - 10"

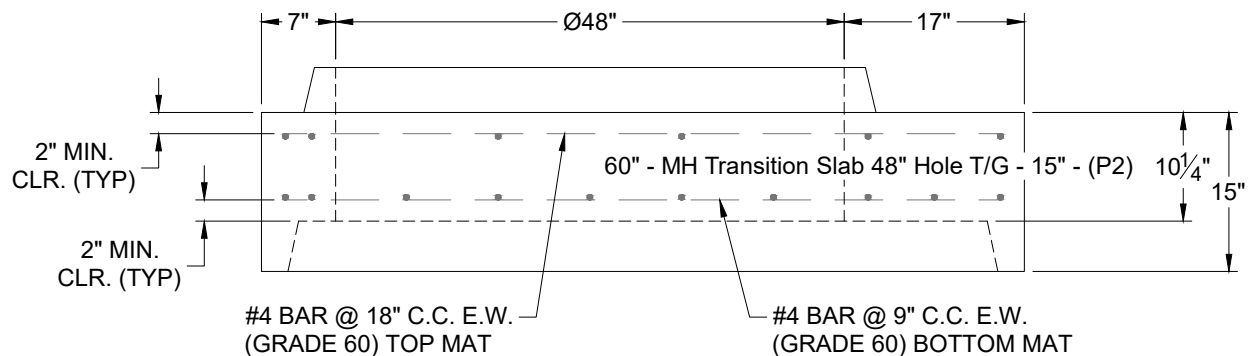
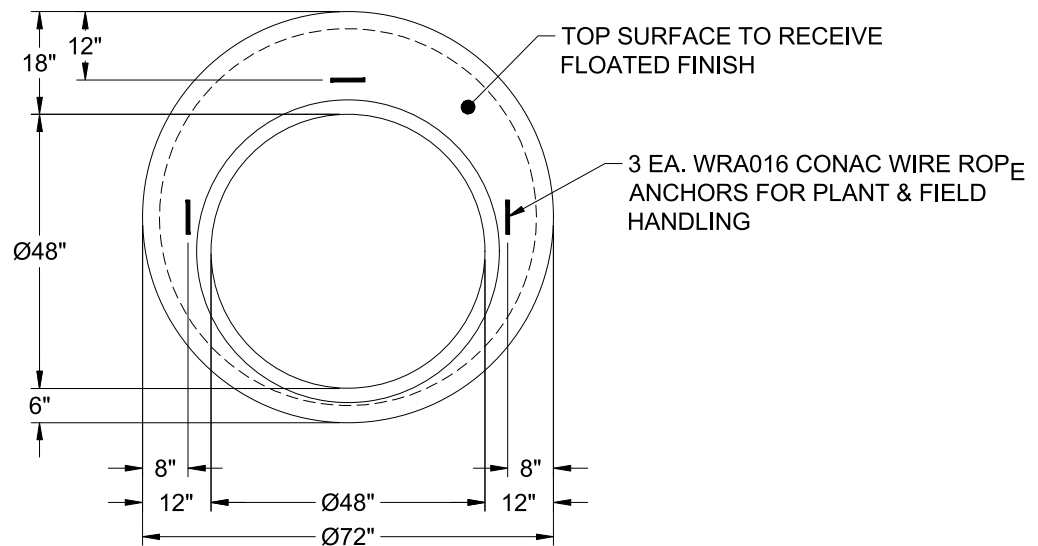
0 lb
2252 lb
3353 lb
4192 lb
2204 lb
8117 lb
2692 lb
0 lb
0 lb
2 lb
0 lb

22812 lb

Structure Total:

Structure Notes:

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



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 15"

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

Plant: 100

2/16/2026 8:19:49 AM

Tech:	J. Horsley
PC:	J. Jarvis



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 - 25"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 16

	0 lb
	3812 lb
	0 lb
	<u>0 lb</u>
Structure Total:	3812 lb

Structure Notes:

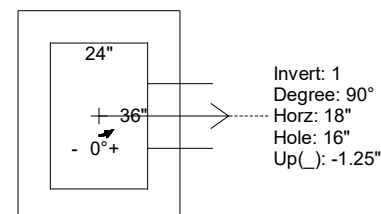
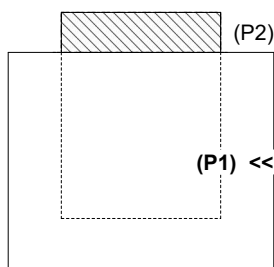
1. PER LOUISVILLE MSD / ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. NO STORM INVERT
5. NO STEPS
6. HOE 470 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS

Rim: 485.2' Rim to Invert: 2.65' Slack: 0.8" Sump: 0" Step Position:

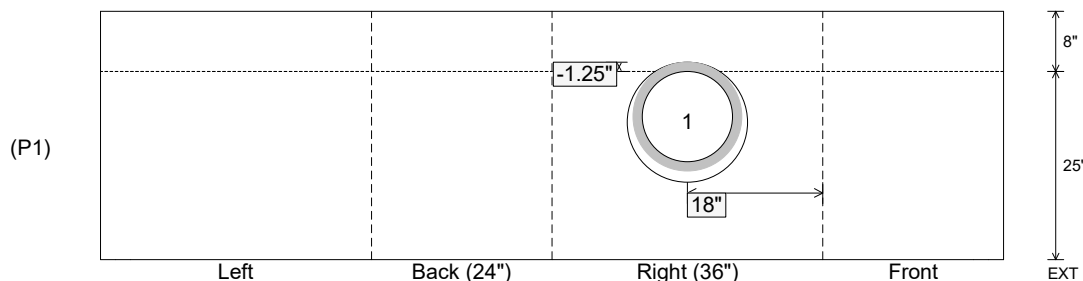
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RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

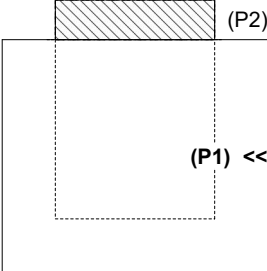
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 25"
Height (Ext): 33"

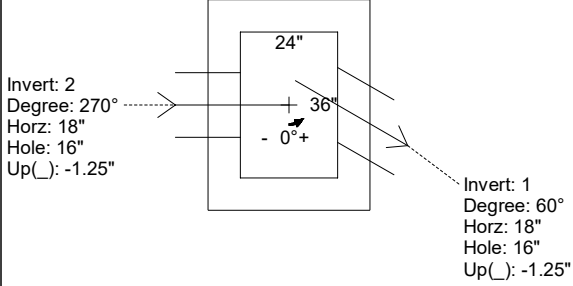
Weight (Net): 3812 lb
Volume (Net): 0.97cu.yd

Job Name: 25-4299 - Seneca High School Job Location: Louisville, KY Contractor: Dan Cristiani Excavating Co. Inc.					Plant: 100 2/16/2026 8:19:48 AM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: C5											
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 - 27" 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 16					0 lb 3860 lb 0 lb 0 lb ----- 3860 lb Structure Total:		Structure Notes: 1. PER LOUISVILLE MSD / 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. NO STORM INVERT 5. NO STEPS 6. HOE 470 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS				
Rim: 485.2'		Rim to Invert: 2.8'		Slack: 0.6"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	482.4'	60°	21.381"	12" HDPE	14.5"	Hole 16	16"	18.475"	-1.25"	6"	
Invert 2	482.4'	270°	26"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

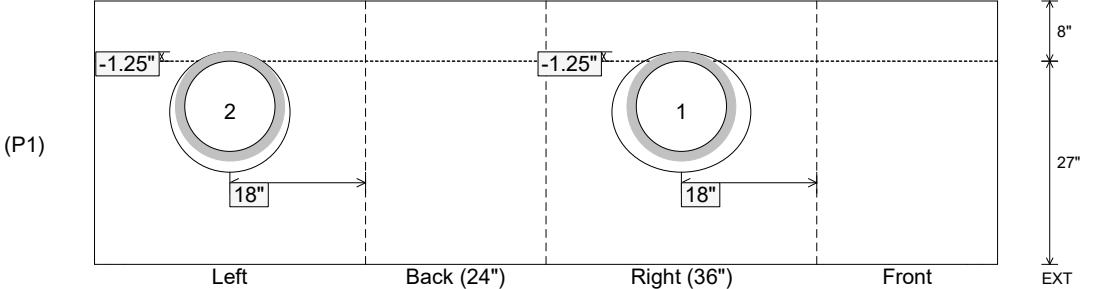


RIGHT-SIDE UP VIEW (int. dimensions)

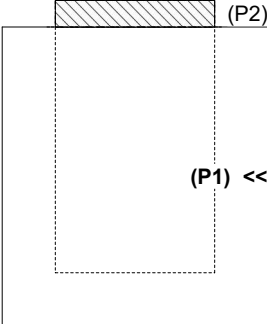
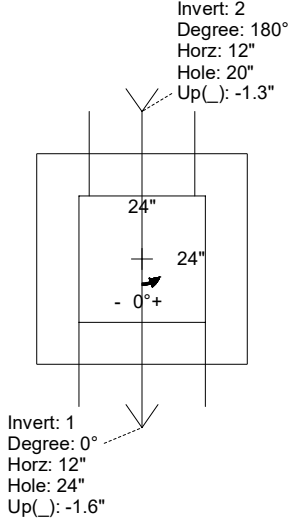
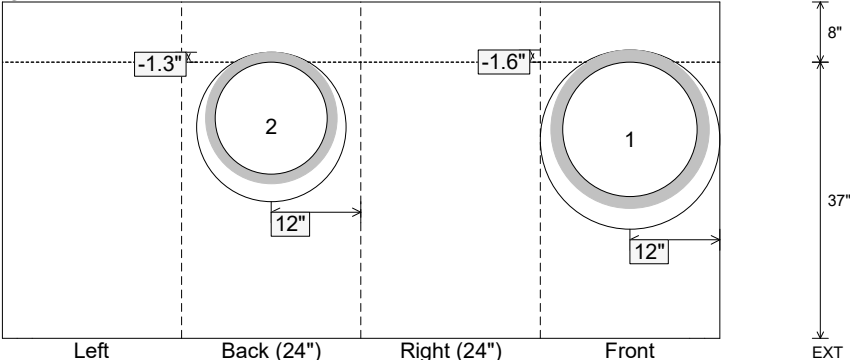
UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 27" Height (Ext): 35"	Weight (Net): 3860 lb Volume (Net): 0.99cu.yd
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Job Name: 25-4299 - Seneca High School Job Location: Louisville, KY Contractor: Dan Cristiani Excavating Co. Inc.					Plant: 100 2/16/2026 8:19:44 AM		Tech: J. Horsley PC: J. Jarvis				
Structure ID: C3											
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 - 37" 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 24 1) Hole - 20					0 lb 3815 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 3815 lb		Structure Notes: 1. PER LOUISVILLE MSD / 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. NO STORM INVERT 5. NO STEPS 6. HOE 280T FRAME & GRATE SUPPLIED BY OTHERS				
Rim: 485.1' Rim to Invert: 3.45' Slack: 0.4" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	481.65'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-1.6"	0"	
Invert 2	481.65'	180°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.3"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimensions)  INSIDE WALL DIMENSIONS 											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 37" Height (Ext): 45"		Weight (Net): 3815 lb Volume (Net): 0.97cu.yd		