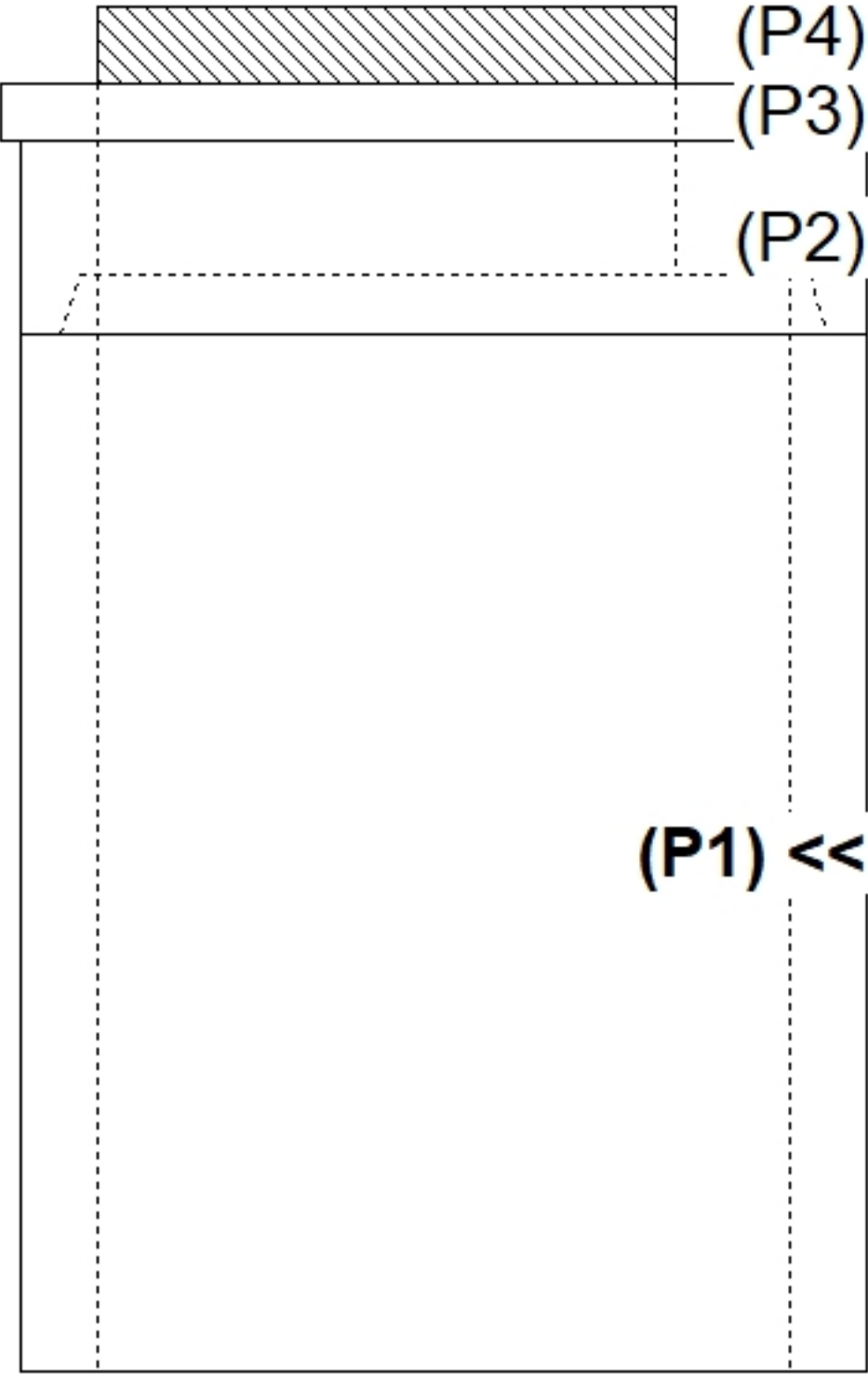
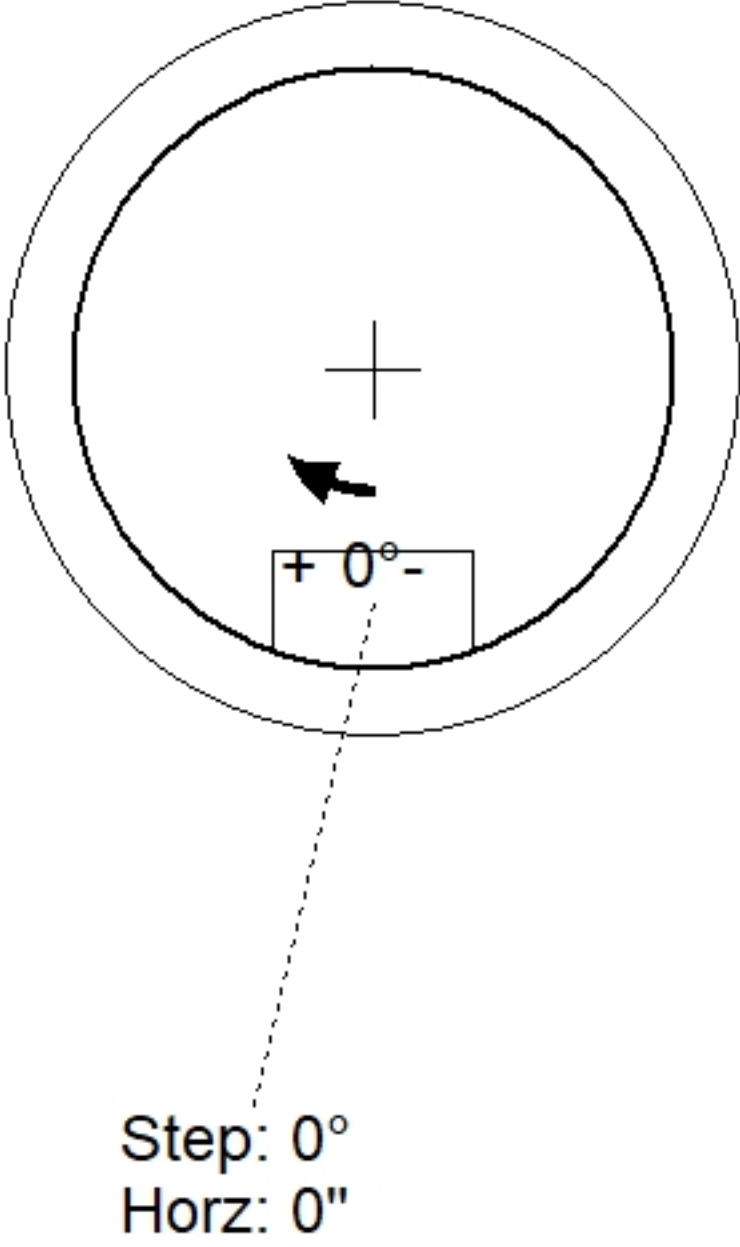
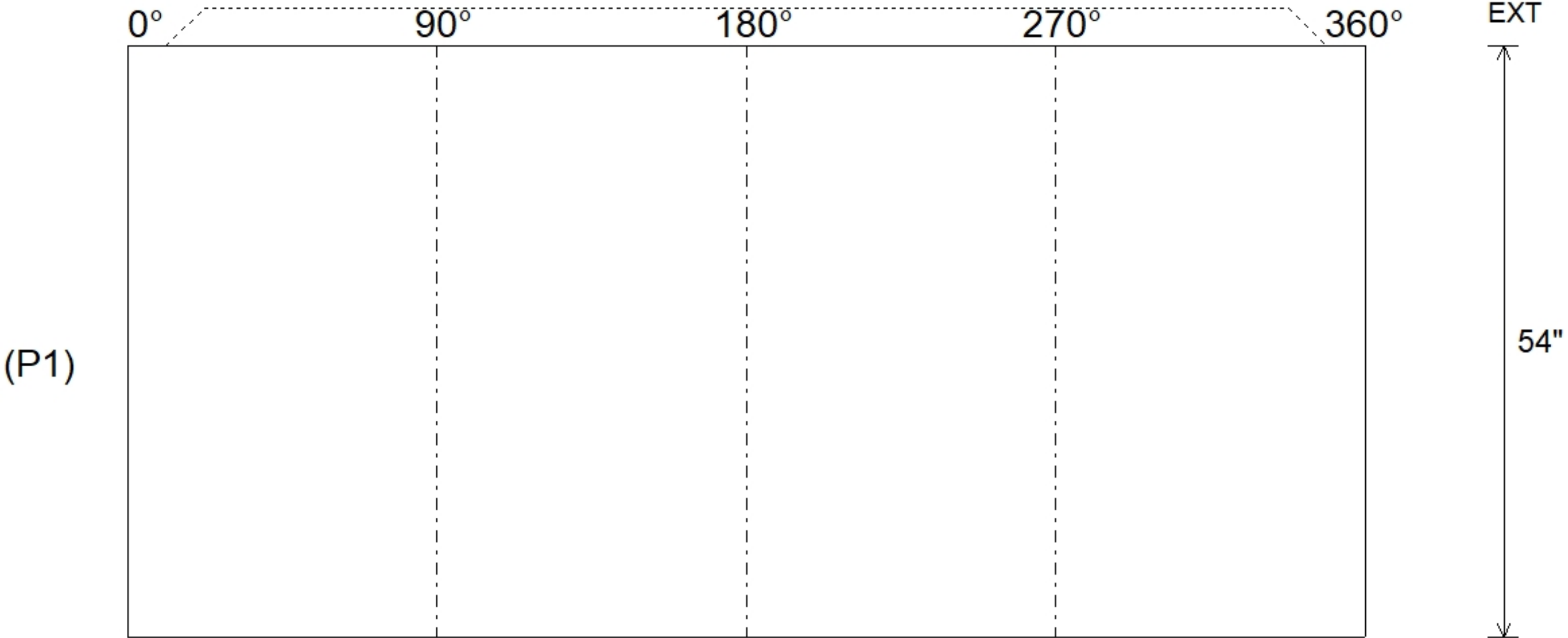
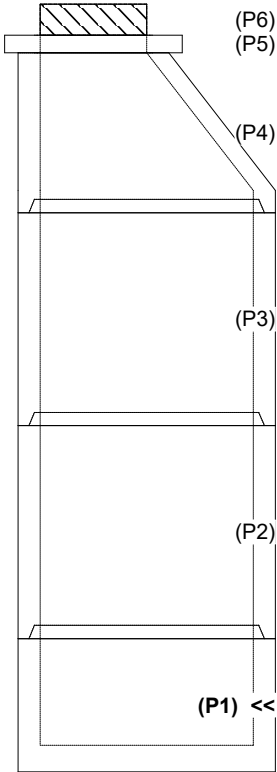


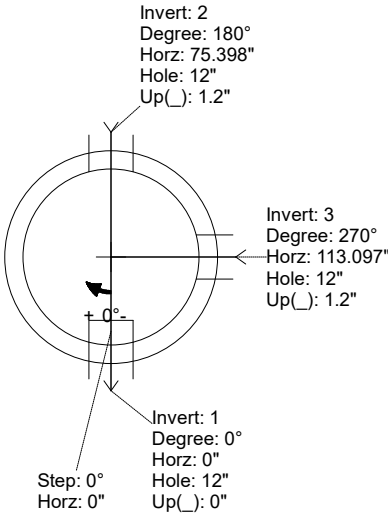
Job Name: 26-3046 903454 2026 Street Reconstruction					Plant: Beaver Dam		Tech: S. Felletter				
Job Location: Elk River, MN					7/17/2026 1:18:37 PM		PC: C. Goff				
Contractor: Contech Engineering Solutions											
Structure ID: Riser Set 2											
P1		MH036RS54		MH RISER T/F							
P4) 30" - CASTING HEIGHT - 4" P3) 30" - GRADE RING F/F - 3" P2) 36" - MH FLAT LID w/30in ECC Hole F/G - 10" P1) 36" - MH RISER T/F - 54" 1) CVSTENCILING 1) 36" - Conseal CS-102 1.00" 5) MH Step ML-10-TDS-NCR - 10"					0 lb 138 lb 683 lb 2278 lb 0 lb 0 lb 0 lb ----- Structure Total: 3099 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. 4" CASTING PROVIDED BY OTHERS. 4. CONTECH'S LOGO TO BE STENCILED ONTO THE OUTSIDE OF THE STRUCTURE. . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .12)				
Rim: 5.917' 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											
											
Coating (Int):			Seam Up: Tongue		Wall Thickness: 4"		Height (Int): 54"		Weight (Net): 2278 lb		
Coating (Ext):			Seam Dn: Flat		Floor Height: 0"		Height (Ext): 54"		Volume (Net): 0.58cu.yd		

Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC					Plant: 100 7/10/2026 8:13:01 AM		Tech: Jared - A PC: Erica Bradley			
Structure ID: A13										
P1 MH048BA24X		MH BASE w/XYPEX								
P6) 24" - CASTING HEIGHT - 7" P5) 24" - XYPEX GRADE RING - 4" P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 36" P3) 48" - MH RISER w/XYPEX - 48" P2) 48" - MH RISER w/XYPEX - 48" P1) 48" - MH BASE w/XYPEX - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - JBS 1150 F/C SANITARY 3) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 13) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2251 lb 3353 lb 3353 lb 2863 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 24 lb 0 lb ----- Structure Total: 13805 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST			
Rim: 728.52' Rim to Invert: 13.78' Slack: 0.36" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	714.74'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	714.84'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3	714.84'	270°	136.659"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



(P6)
(P5)
(P4)
(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



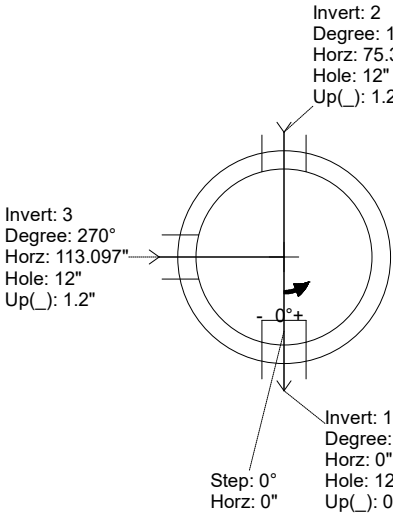
Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 1.2"

Invert: 3
Degree: 270°
Horz: 113.097"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)



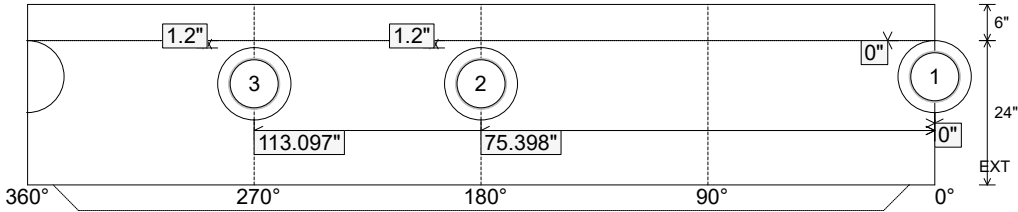
Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 1.2"

Invert: 3
Degree: 270°
Horz: 113.097"
Hole: 12"
Up(): 1.2"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

1.2" 1.2" 0"

113.097" 75.398" 0"

360° 270° 180° 90° 0°

6" 24" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 24" Height (Ext): 30"	Weight (Net): 2863 lb Volume (Net): 0.73cu.yd
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Job Name: 25-4288 - Project Wave Job Location: Franklin, KY 42134 Contractor: Cumberland Pipeline LLC				Plant: 100 7/10/2026 8:13:01 AM		Tech: Jared - A PC: Erica Bradley				
Structure ID: A13										
P1 MH048BA24X		MH BASE w/XYPEX								
P6) 24" - CASTING HEIGHT - 7" P5) 24" - XYPEX GRADE RING - 4" P4) 48" - ECC XYPEX CONE w/ 24" HOLE - 36" P3) 48" - MH RISER w/XYPEX - 48" P2) 48" - MH RISER w/XYPEX - 48" P1) 48" - MH BASE w/XYPEX - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT 1) CASTING - JBS 1150 F/C SANITARY 3) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 3) PSX - 12-08 NYLO 13) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 2251 lb 3353 lb 3353 lb 2863 lb 0 lb 0 lb 1440 lb 250 lb 0 lb 0 lb 24 lb 0 lb Structure Total: 13805 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. INVERT CHANNEL REQUIRED 5. STEPS AT 0 DEGREES 6. JBS 1150 FRAME & COVER "SANITARY" SUPPLIED BY ICAST INVERT CHANNEL DRAWING FULL HEIGHT INVERT		
Rim: 728.52' Rim to Invert: 13.78' Slack: 0.36" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	714.74'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	714.84'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3	714.84'	270°	136.659"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	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): 2863 lb Volume (Net): 0.73cu.yd
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Job Name: 26-1733 - Liberty Power Station
Job Location: Liberty, KY
Contractor: Weddle Enterprises, Inc

Plant: 100

7/20/2026 8:30:30 AM

Tech: Jared - F

PC: T. Ryan



Structure ID: CB-20

P2 MH060LD13

MH FLAT TOP w/ 24" ECC Hole

- P3) 24" - CASTING HEIGHT - 4"
P2) 60" - MH FLAT TOP w/ 24" ECC Hole - 13"
P1) 60" - MH BASE Custom Ht - 62"
1) 60" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 40
5) MH Step ML-10-TDS-NCR - 10"

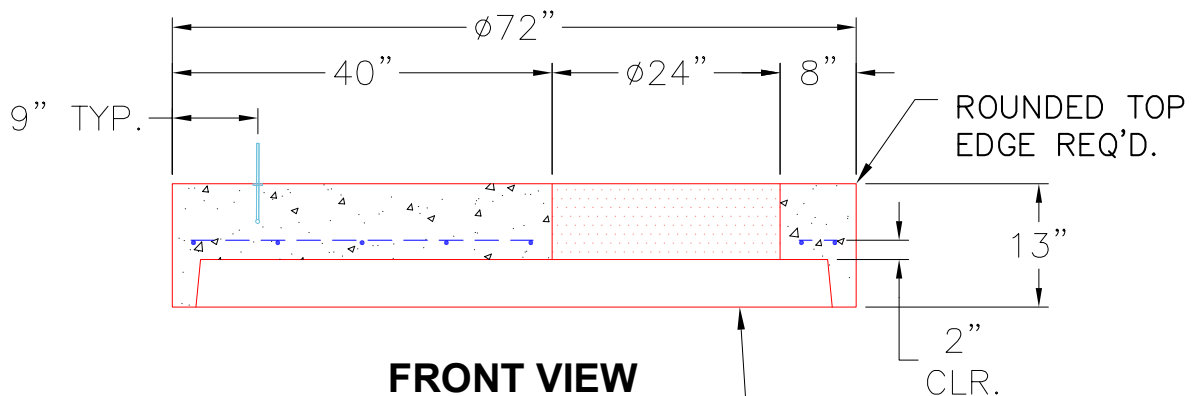
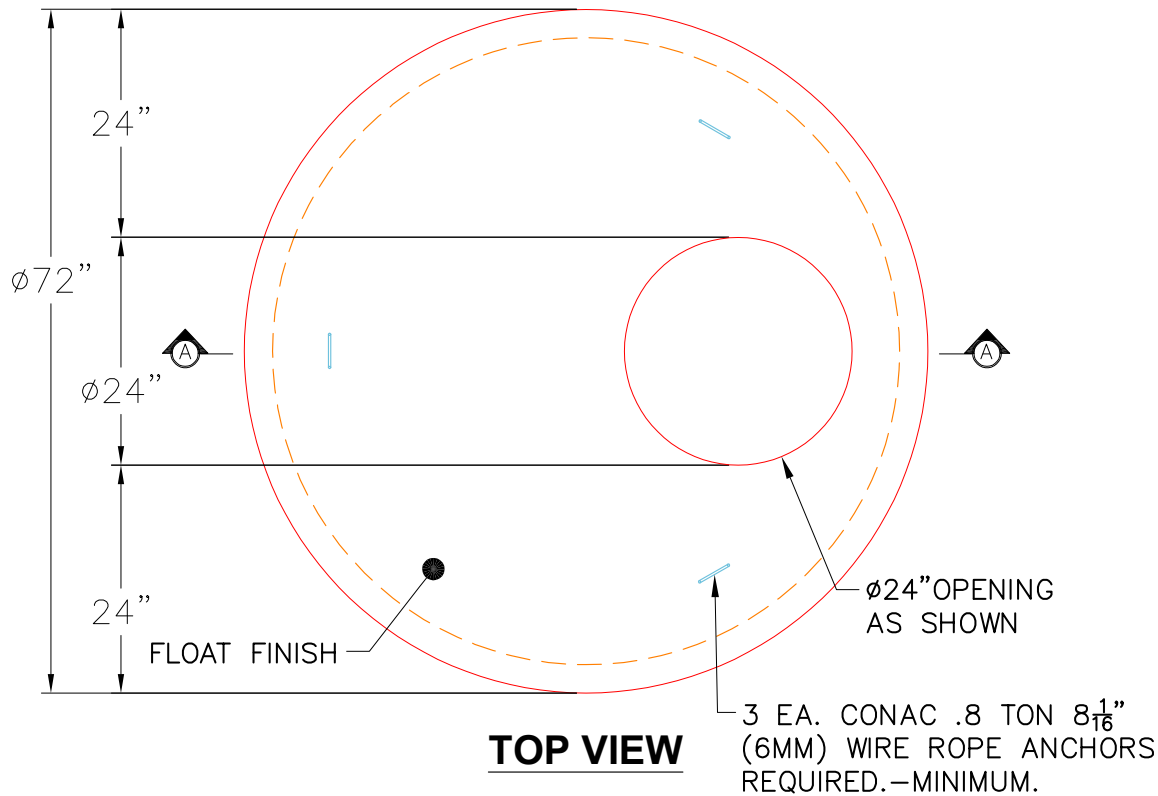
Structure Total:

0 lb
2869 lb
7842 lb
0 lb
0 lb
0 lb
0 lb
10711 lb

Structure Notes:

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

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



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

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

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

Plant: 100

Tech: Jared - F

7/20/2026 8:29:45 AM

PC: T. Ryan



Structure ID: CB-20

P1 MH060BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 4"
P2) 60" - MH FLAT TOP w/ 24" ECC Hole - 13"
P1) 60" - MH BASE Custom Ht - 62"
1) 60" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 40
5) MH Step ML-10-TDS-NCR - 10"

0 lb
2869 lb
7842 lb
0 lb
0 lb
0 lb
0 lb

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

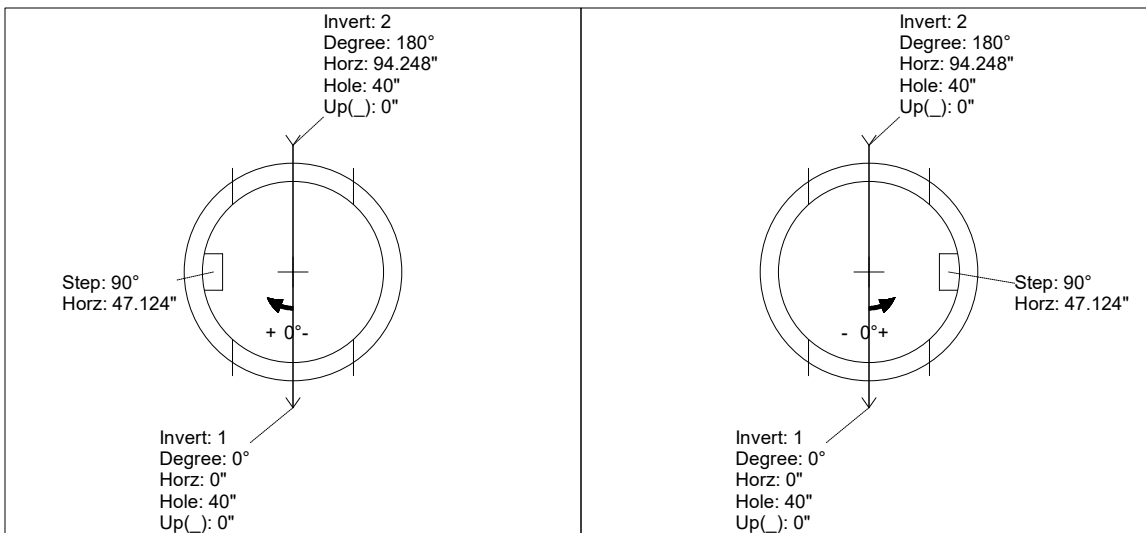
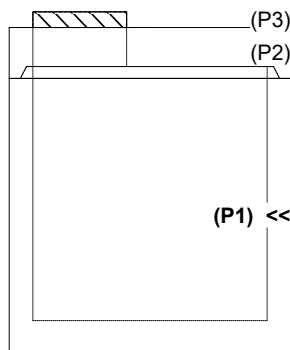
Structure Total: 10711 lb

Rim: 1076' Rim to Invert: 6.37' Slack: 0.94' Sump: 3.5' Step Position: 90°

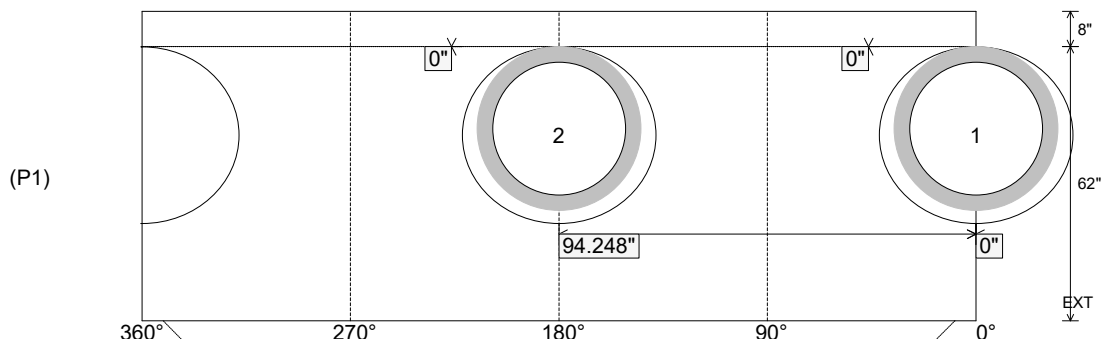
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	1069.63'	0°	0"	30" RCP B WALL	37"	Hole 40	40"	43.784"	0"	0"
Invert 2	1069.63'	180°	113.097"	30" RCP B WALL	37"	Hole 40	40"	43.784"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



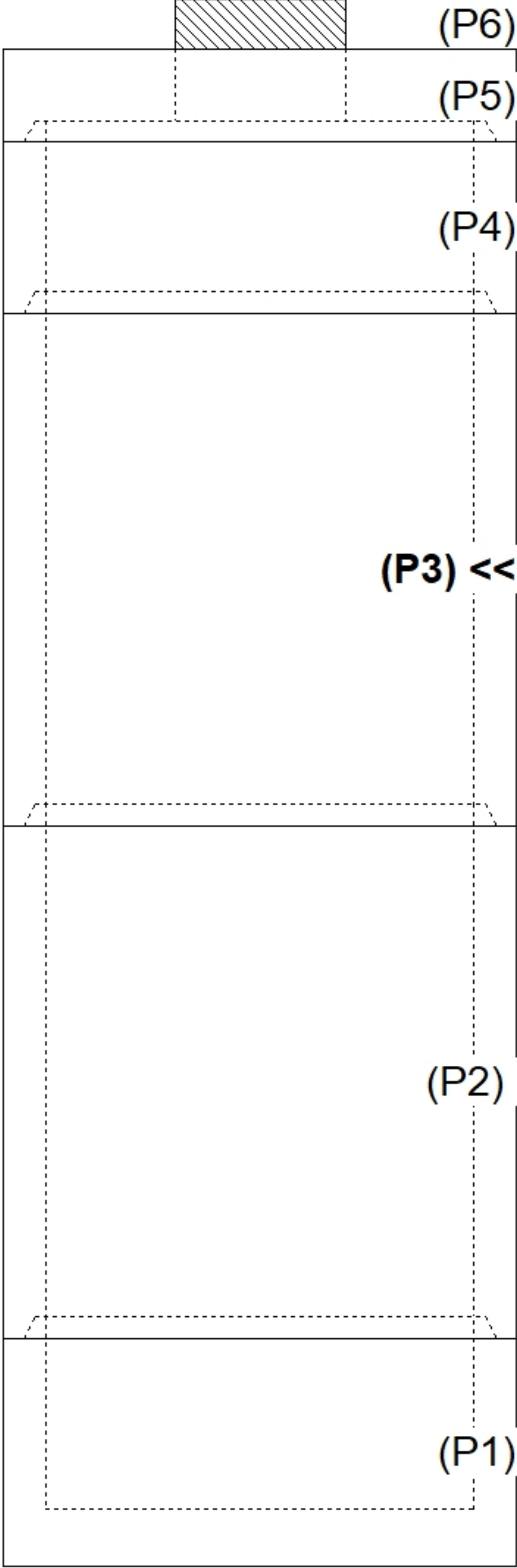
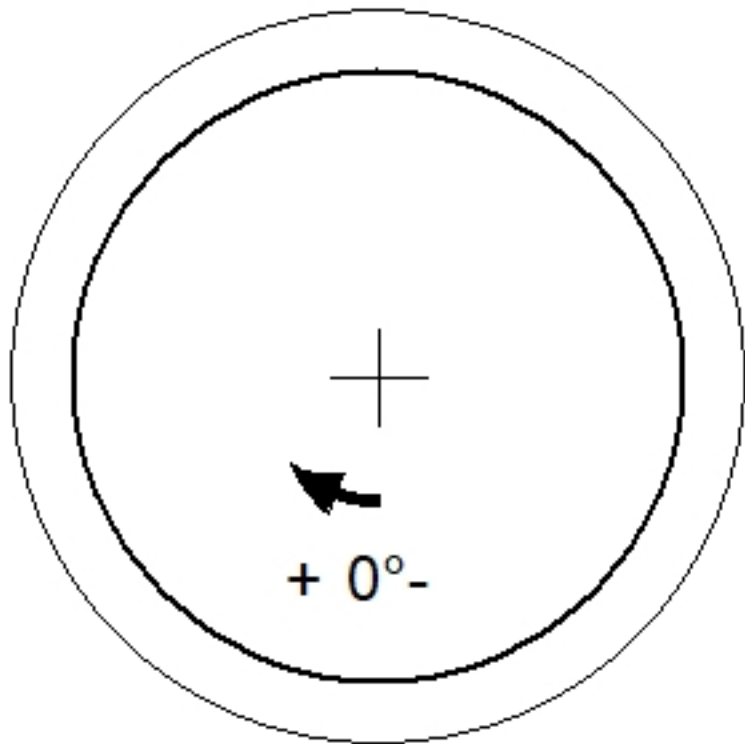
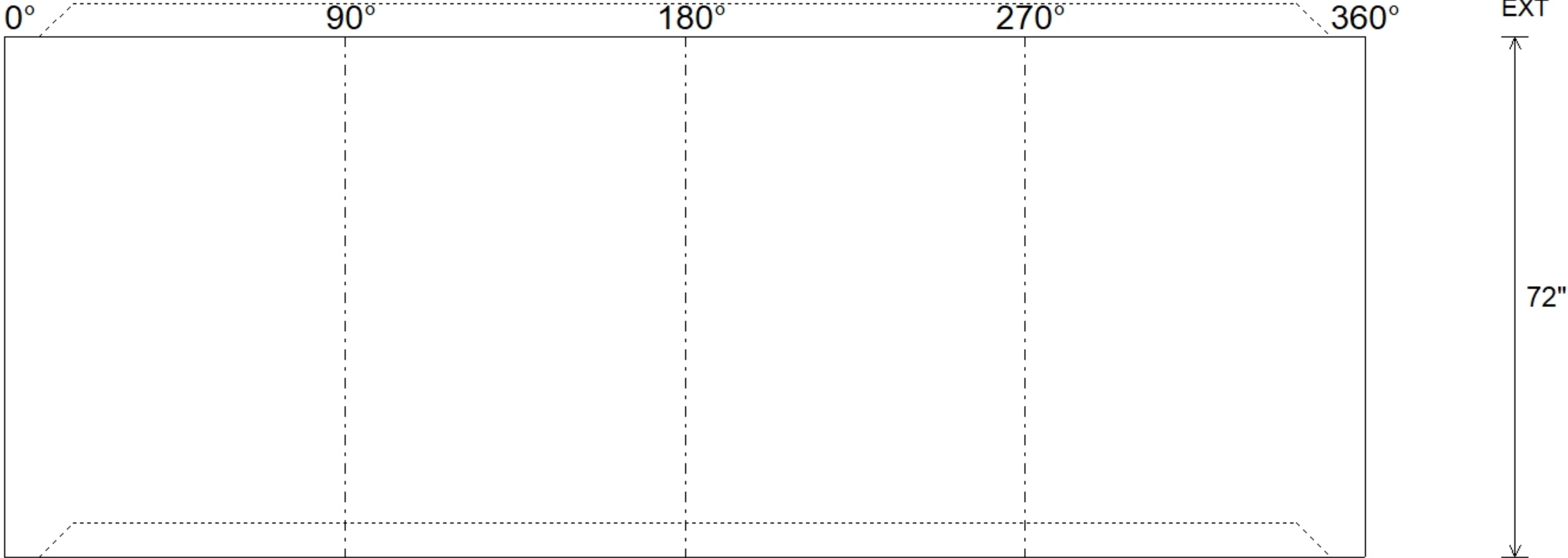
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 62"
Height (Ext): 70"

Weight (Net): 7842 lb
Volume (Net): 2cu.yd

Job Name: 26-2736 ADS UA Local 52 Job Location: Louisville, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 7/9/2026 9:09:21 AM		Tech: S. Felletter PC: T. Ryan						
Structure ID: S110													
P3			MH060RS72			MH RISER T/G							
P6) 24" - CASTING HEIGHT - 7" P5) 60" - MH FLAT TOP w/24" Ctr. Hole F/G - 13" P4) 60" - MH RISER T/G - 24" P3) 60" - MH RISER T/G - 72" P2) 60" - MH RISER T/G - 72" P1) 60" - MH BASE T/n - 24" 1) ASSEMBLY REQUIRED 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) CASTING - HOE MC-375 F/C Storm 4) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Hole - 12						0 lb 2674 lb 2505 lb 7516 lb 7402 lb 5239 lb 0 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-375 F/C "STORM"). . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .18) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.					
Rim: 549.66' Rim to Invert: 11.04' Slack: 1.48" Sump: 81" Step Position:						Structure Total: 25607 lb							
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions)													
													
			INSIDE WALL DIMENSIONS										
													
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 6" Floor Height: 0"		Height (Int): 72" Height (Ext): 72"		Weight (Net): 7516 lb Volume (Net): 1.92cu.yd				

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

Plant: 100

6/4/2026 5:54:53 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: WAS VAULT 1

P2 MH060LD13S

MH FLAT TOP w/36"x36" Hatch F/G

- P3) 36" x 36" - CASTING HEIGHT - 0"
P2) 60" - MH FLAT TOP w/36"x36" Hatch F/G - 13"
P1) 60" - MH BASE Custom Ht T/n - 59"
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
1) 60" - Conseal CS-102 1.00" (Double)
1) 36" x 36" - Conseal CS-102 1.00" (Double)
2) PSX - 8QRS DD

Structure Total:

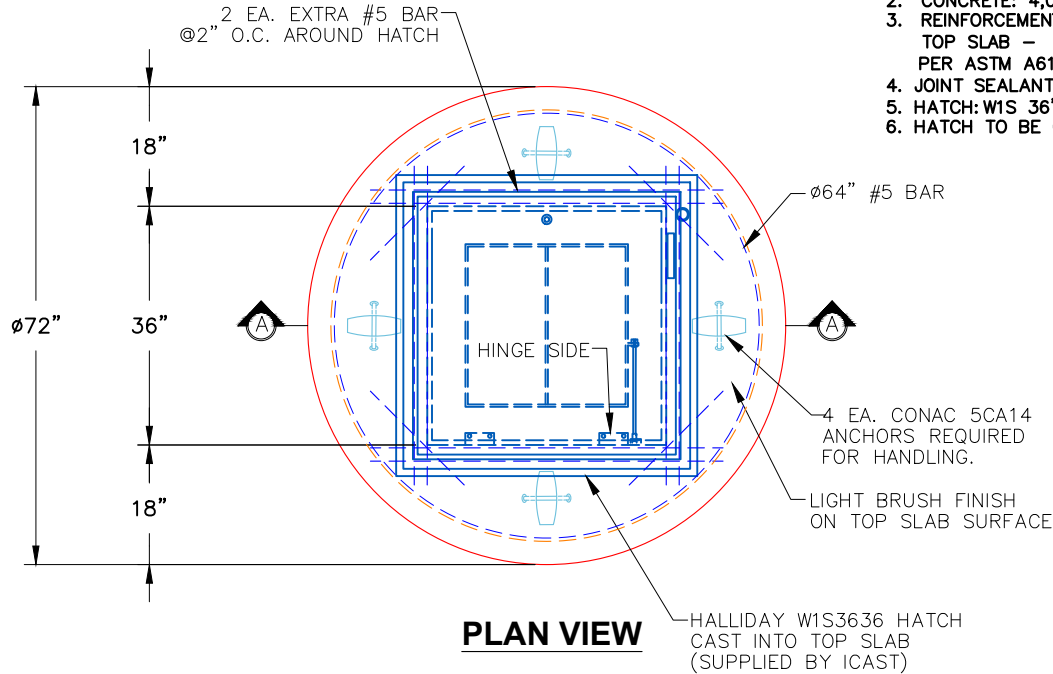
0 lb
2132 lb
8842 lb
78 lb
0 lb
0 lb
0 lb
13 lb

11065 lb

Structure Notes:

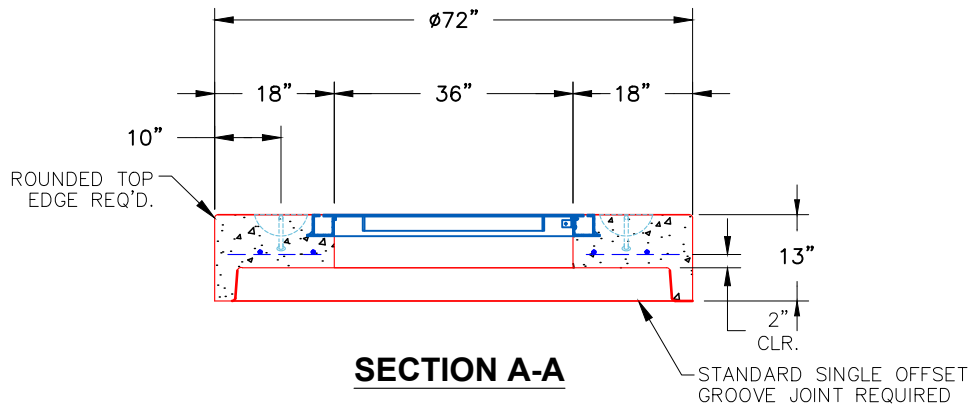
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY I-CAST (HALLIDAY W1S 36"x36")

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .18)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



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: W1S 36"x36" HATCH IS PROVIDED BY ICAST.
6. HATCH TO BE CAST INTO TOP SLAB.



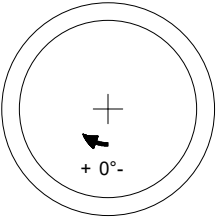
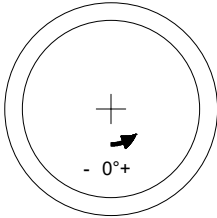
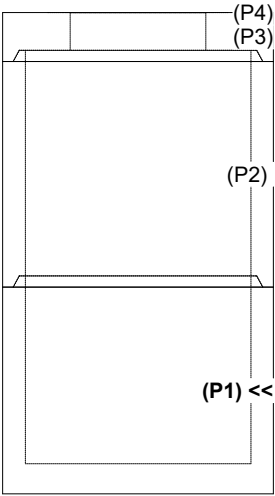
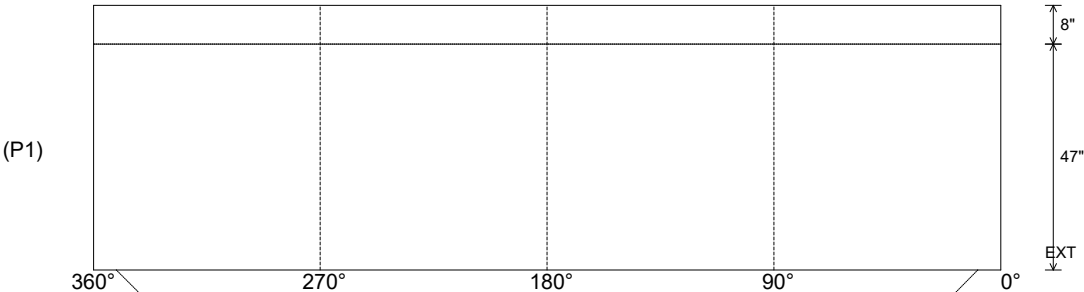
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 2132 lb
Volume (Net): 0.55cu.yd

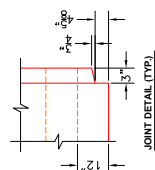
Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC					Plant: 100 6/4/2026 5:54:14 PM		Tech: Jared - F PC: J Jarvis				
Structure ID: METER VAULT 1											
P1 MH060BAVF			MH BASE Custom Ht T/n								
P4) 36" x 36" - CASTING HEIGHT - 0" P3) 60" - MH FLAT TOP w/36"x36" Hatch F/G - 13" P2) 60" - MH RISER T/G - 60" P1) 60" - MH BASE Custom Ht T/n - 47" 1) HATCH (Alum.) - HALLIDAY W1S 36"x36" 2) 60" - Conseal CS-102 1.00" (Double) 1) 36" x 36" - Conseal CS-102 1.00" (Double) 2) PSX - 8QRS DD						0 lb 2132 lb 6213 lb 7640 lb 78 lb 0 lb 0 lb 13 lb ----- 16075 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. HATCH SUPPLIED BY I-CAST (HALLIDAY W1S 36"X36") REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .18) - FLOOR (As .47) #5 BARS AT 12" C.C.E.W.			
Rim: 454' Rim to Invert: 5.06' Slack: -0.002" Sump: 59.28" 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)					
											
						INSIDE WALL DIMENSIONS 					
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: n/a		Wall Thickness: 6" Floor Height: 8"		Height (Int): 47" Height (Ext): 55"		Weight (Net): 7640 lb Volume (Net): 1.95cu.yd		

Plant: 100
7/6/2026 1:23:19 PM

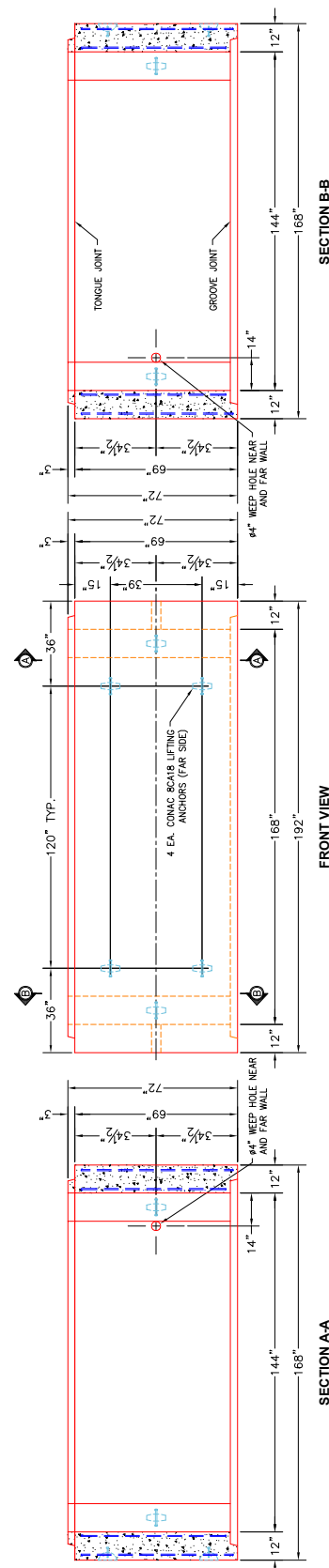
P17 BC168144-12W12T12F-12H

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

-
- The technical drawing consists of two parts:
- Isometric View:** A perspective view of the rectangular plate, showing its thickness and the locations of the four lifting anchors at the corners.
 - Joint Detail (Typ.):** A cross-sectional view of the anchor installation. It shows a 12" wide hole in the plate, with a 3/4" thick anchor rod passing through it. The anchor is secured with a nut and washer on one side and a conical base on the other. Dimensions include 12" for the hole width, 3/4" for the anchor diameter, and 12" for the distance from the hole edge to the center of the anchor.

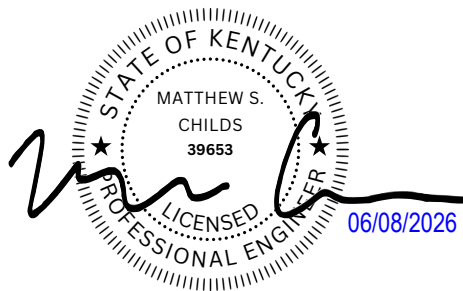


COMPONENT ISOMETRIC VIEW



Weight (Net): 48363 lb
Volume (Net): 12.35cu.yd

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



MATT CHILDS ENGINEERING, PLLC

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

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

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

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

Physical Dimensions

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

Material Properties

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

Controlling Ratings

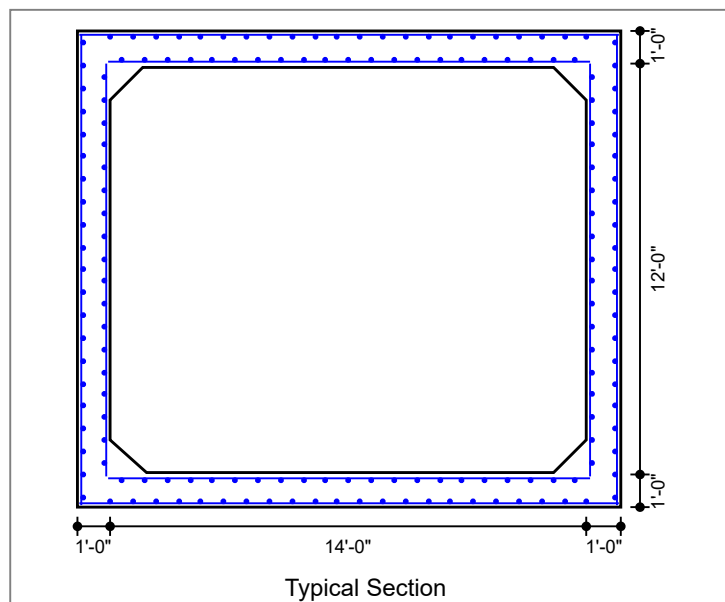
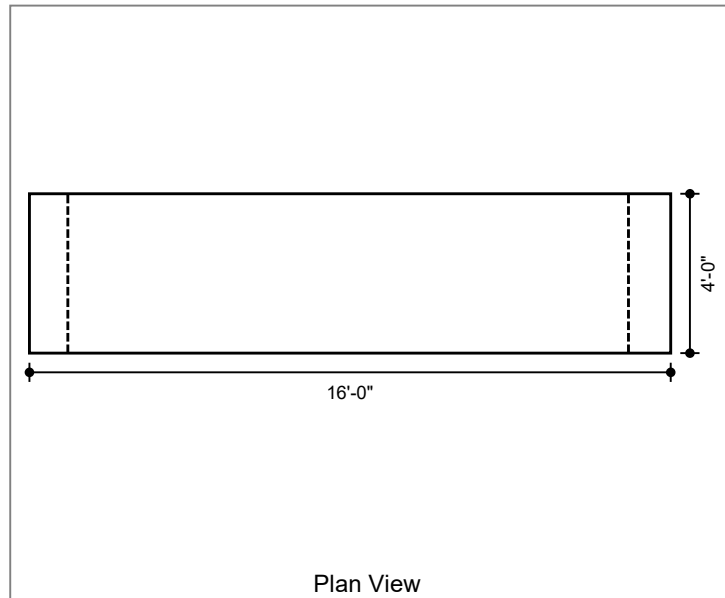
Inventory Rating: 5.85
Operating Rating: 7.59

Loads

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

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

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



MATT CHILDS ENGINEERING, PLLC

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

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

Sht ____ of ____

By:MBJ

Ck: _____

6/5/2026 4:35:09 PM

p. 2 of 2

Concrete Summary

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

Reinforcing Steel Bar Schedule (lb)

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

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

Plant: 100

5/28/2026 7:52:52 AM

Tech: J. Horsley

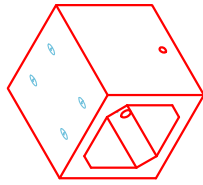
PC: C. Goff



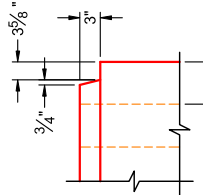
Structure ID: St. 45+00 (PC 19)

P1 BC048048-08WLF-9H

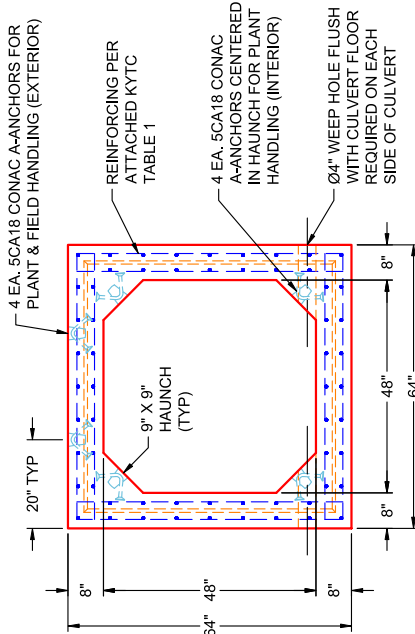
BOX CULVERT (08W/08F/08T) No Groove F/T



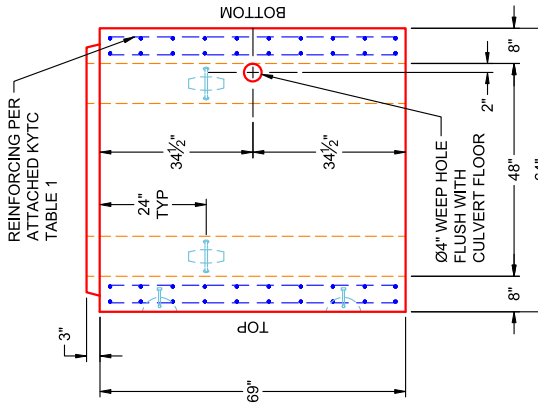
COMPONENT
ISOMETRIC
VIEW



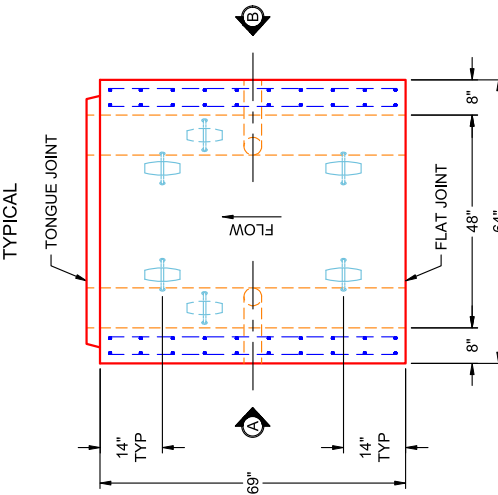
JOINT DETAIL
(TYP)
NTS



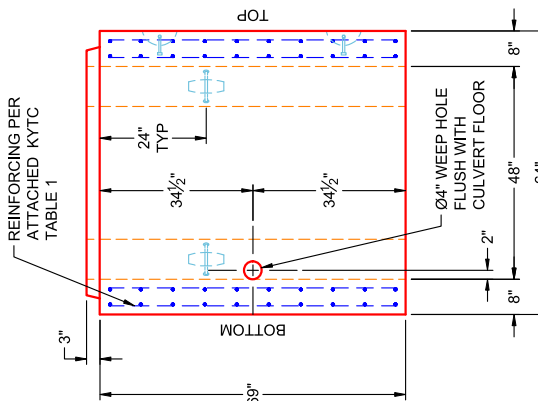
END VIEW
TYPICAL



VIEW B
PC 19
(UPRIGHT IN MOLD)



PLAN VIEW
PC 19
(UPRIGHT IN MOLD)



VIEW A
PC 19
(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: FLAT

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 19)

ORDER NO: 24-1643B

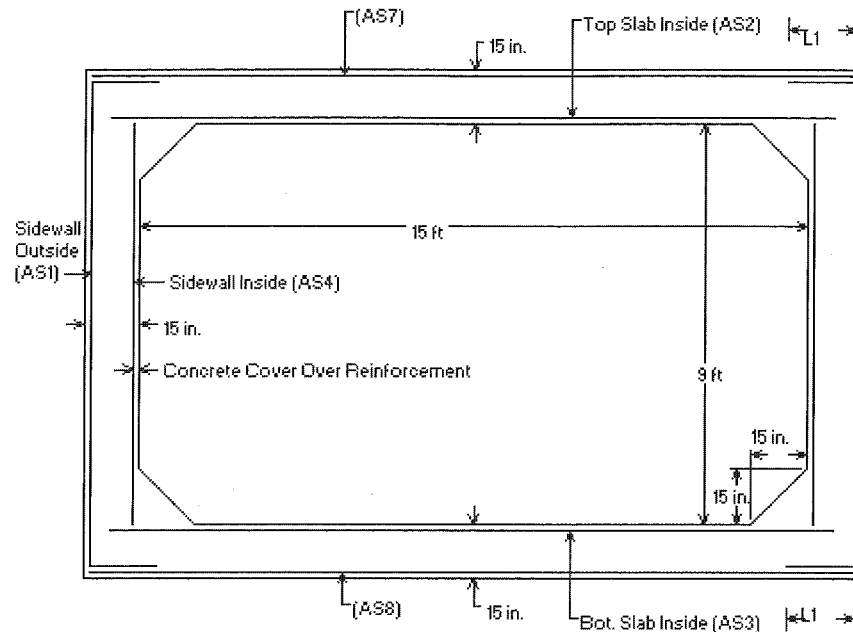
PE: J.H. ROSS

DRAWING: K. CARDWELL

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		

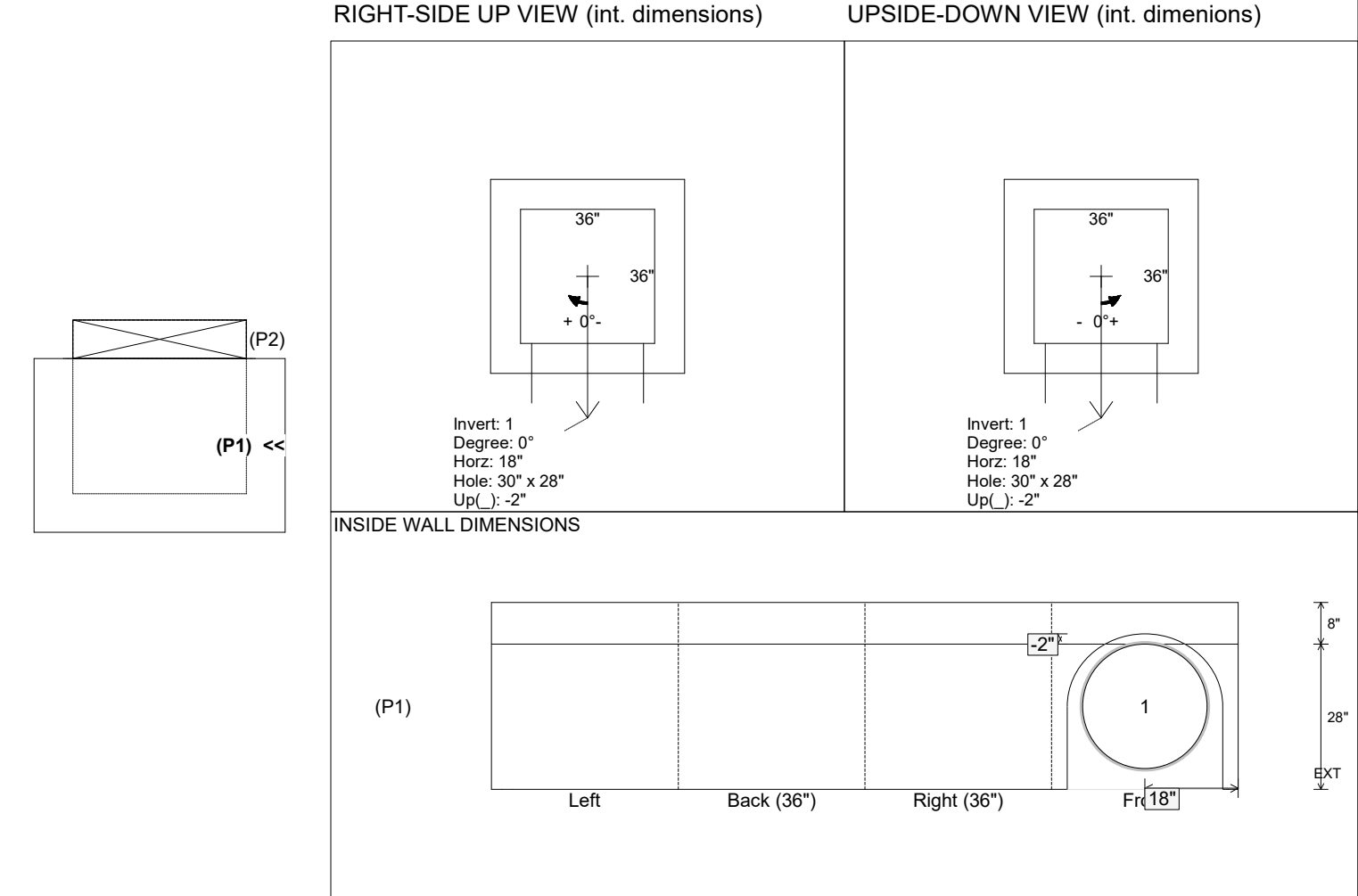
*top slab 7.5", bottom slab 6"

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"

P2) 36" x 36" - P.I.P. - BY OTHERS - 8" P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 28" 1) 36" x 36" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 30"x28"						0 lb 4580 lb 0 lb 0 lb ----- Structure Total: 4580 lb	Structure Notes: -KYTC STATE PROJECT 251007 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.) -FRAME & GRATES BY OTHERS. -KYTC CERTIFICATIONS REQUIRED. -#5 BAR EXTENDED OUT OF TOP OF BOX 20" AT 12" C/C.
Rim: 561.38' 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	558.38'	0°	26"	24" CMP	25"	DOGHOUSE INVRTD 30"x28"	30" x 28"	30"	-2"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



Coating (Int):	Seam Up: Flat	Wall Thickness: 8"	Height (Int): 28"	Weight (Net): 4580 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 8"	Height (Ext): 36"	Volume (Net): 1.17cu.yd

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

Plant: 100
7/20/2026 8:29:53 AM

Tech: Jared - F
PC: T. Ryan



Structure ID: SEDIMENT BASIN

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 - 53"
1) 36" x 36" - Conseal CS-102 1.00"
1) Hole - 26
1) Orifice - 7"

0 lb
7695 lb
0 lb
0 lb
0 lb

Structure Total: 7695 lb

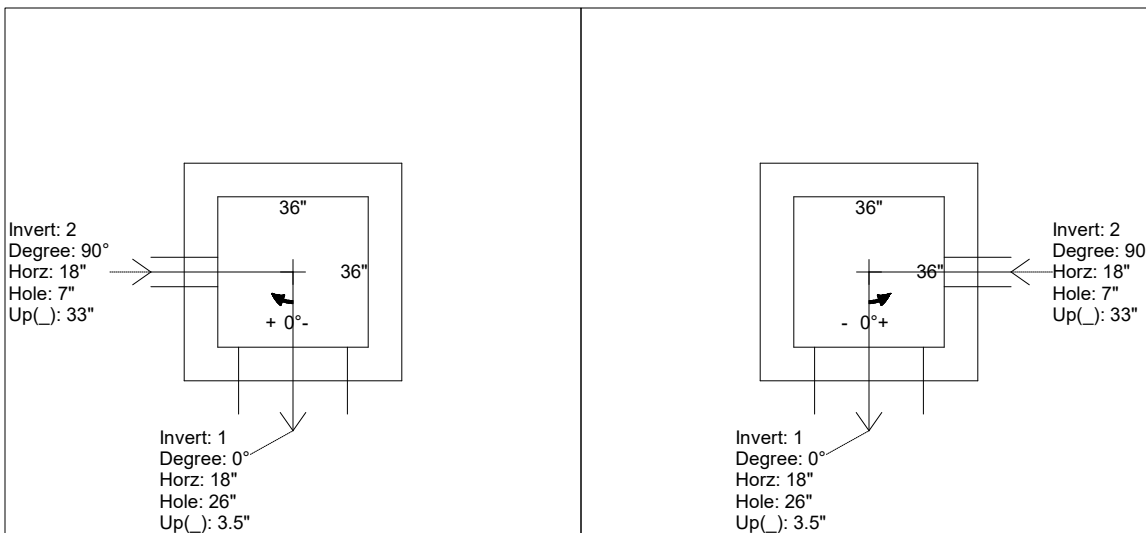
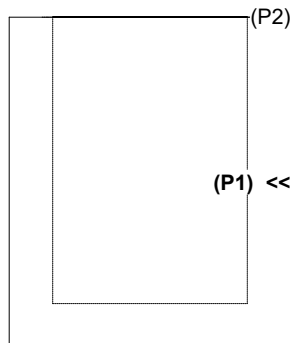
Structure Notes: .
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING SUPPLIES BY OTHERS.
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 1090' Rim to Invert: 4' Slack: 0.998" Sump: 6" Step Position: 180°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	1086'	0°	26"	18" RCP B WALL	23"	Hole 26	26"	26"	3.5"	0"
Invert 2	1088.25'	90°	26"	7" Orifice	7"	Orifice 7"	7"	7"	33"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

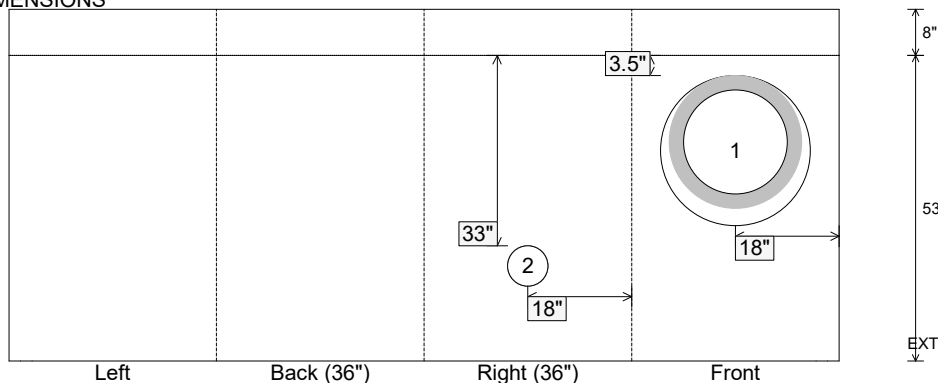
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 53"
Height (Ext): 61"

Weight (Net): 7695 lb
Volume (Net): 1.96cu.yd

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

Plant: 100
7/9/2026 2:51:27 PM

Tech: Jared - A
PC: Thomas Ryan



Structure ID: C

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

- P2) 24" x 36" - CASTING HEIGHT - 6"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 33"
1) CASTING - HOE 525 SET (F/G/H)
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 18"

0 lb
4593 lb
442 lb
0 lb
0 lb

Structure Total: 5035 lb

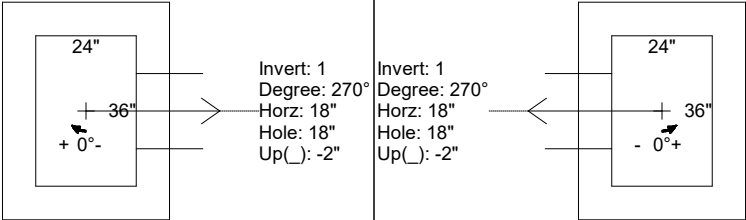
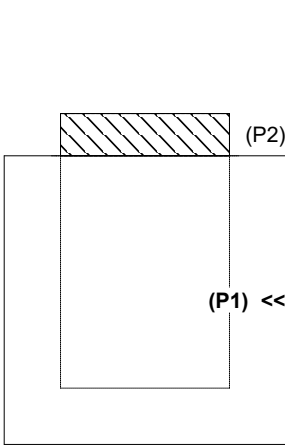
- Structure Notes:
PLAN LABEL: C
1. HOE 525 SET (F/G/H) PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. NO INVERT CHANNEL.
5. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 693.25' Rim to Invert: 3.26' Slack: 0.12" Sump: 0" Step Position:

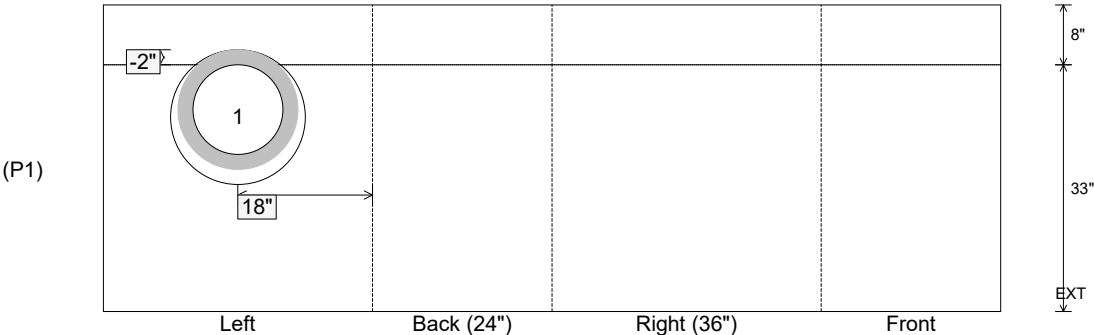
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	689.99'	270°	26"	12" RCP B WALL	16"	Hole 18	18"	18"	-2"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



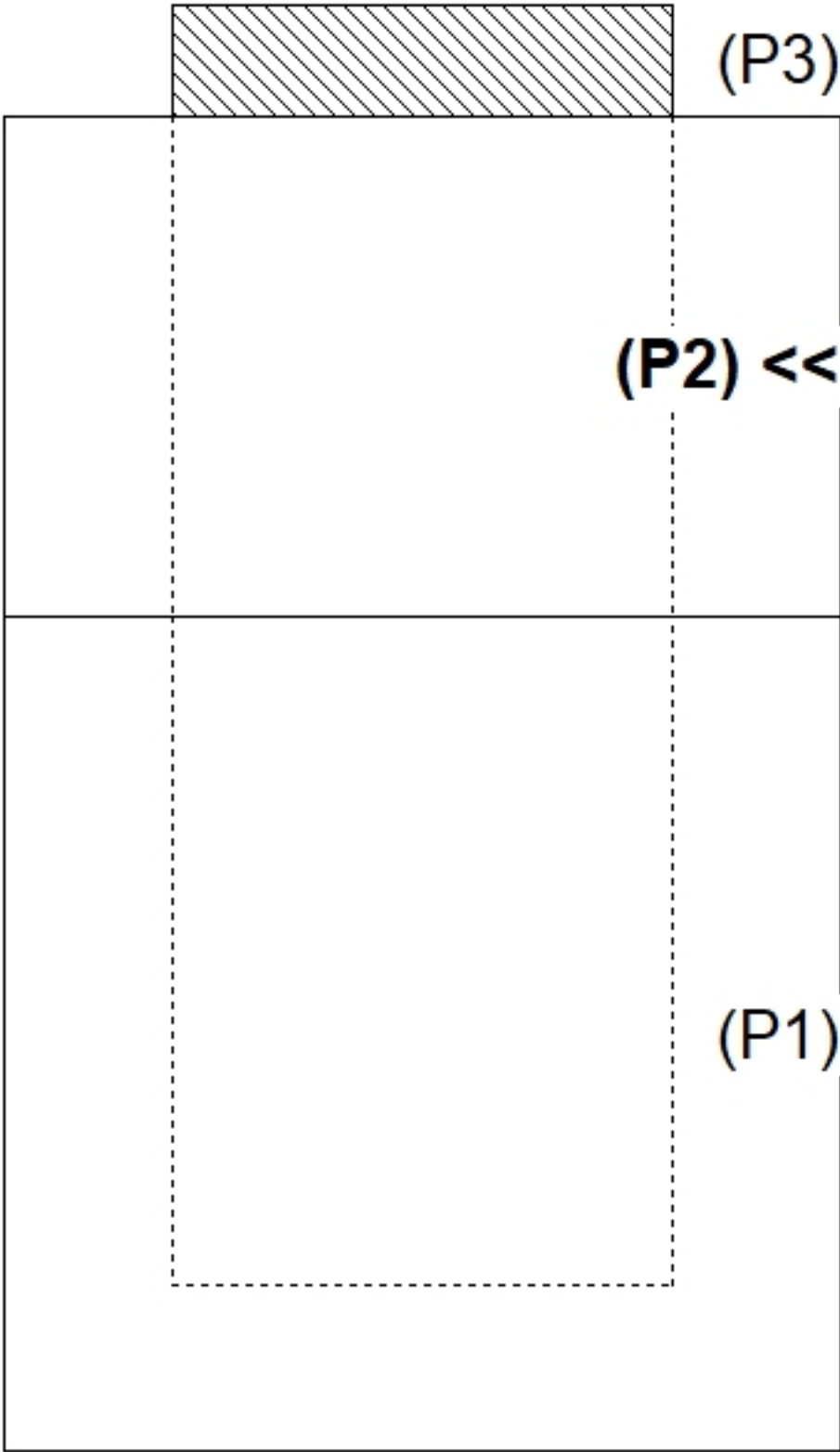
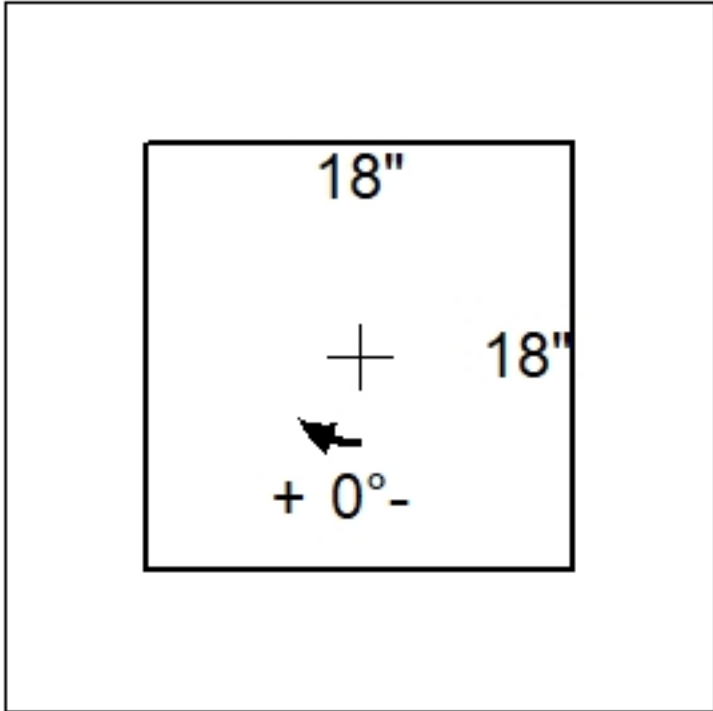
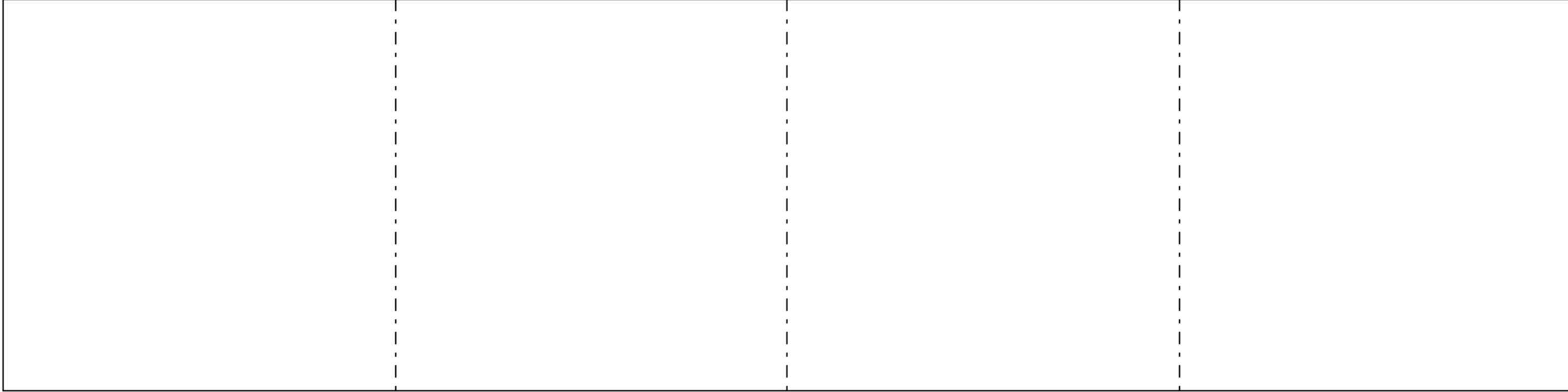
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

Weight (Net): 4593 lb
Volume (Net): 1.17cu.yd

Job Name: 26-2119 512 W Kingston Ave MSD Job Location: Louisville, KY Contractor: TRC, LLC					Plant: Beaver Dam 7/16/2026 3:43:39 PM		Tech: S. Felletter PC: T. Lewis				
Structure ID: QL3 ST-CB 8											
P2		BX1818-06R18			BOX RISER 6inW F/F						
P3) 18" x 18" - CASTING HEIGHT - 4" P2) 18" x 18" - BOX RISER 6inW F/F - 18" P1) 18" x 18" - KNOCKOUT BASE 6"W/F - STOCK F/n - 24" 1) CASTING - HOE 165A F/G 2) 18" x 18" - Conseal CS-102 1.00"						0 lb 870 lb 1613 lb 138 lb 0 lb ----- 2621 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 165-A F/G). . REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.			
Rim: 3.833' Rim to Invert: 0' Slack: 0" Sump: 46" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (┘)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
(P2)		FrontRight (18")Back (18")Left				EXT 18"					
											
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 18" Height (Ext): 18"		Weight (Net): 870 lb Volume (Net): 0.22cu.yd	

Job Name: 26-2119 512 W Kingston Ave MSD

Job Location: Louisville, KY

Contractor: TRC, LLC

Plant: Beaver Dam

7/16/2026 3:43:39 PM

Tech: S. Felletter

PC: T. Lewis



Structure ID: QL3 ST-CB 5

P2 BX1818-06R18

BOX RISER 6inW F/F

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

P2) 18" x 18" - BOX RISER 6inW F/F - 18"

P1) 18" x 18" - KNOCKOUT BASE 6"W/F - STOCK F/n - 24"

1) CASTING - HOE 165A F/G

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

0 lb

870 lb

1613 lb

138 lb

0 lb

2621 lb

Structure Total:

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE 165-A F/G).

REINFORCING PER ASTM A615 (GRADE 60).

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

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

Rim: 3.833'

Rim to Invert: 0'

Slack: 0"

Sump: 46"

Step Position:

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

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

18"

18"

+ 0°-

INSIDE WALL DIMENSIONS

Front

Right (18")

Back (18")

Left

(P2)

18"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Flat

Wall Thickness: 6"

Floor Height: 0"

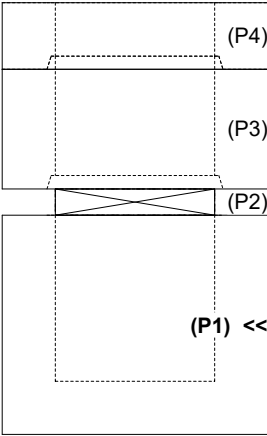
Height (Int): 18"

Height (Ext): 18"

Weight (Net): 870 lb

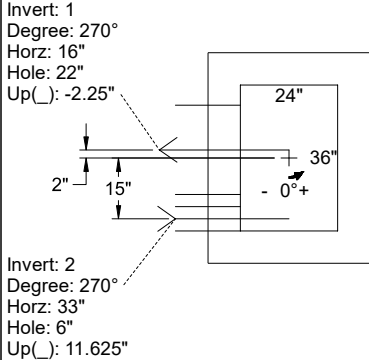
Volume (Net): 0.22cu.yd

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 6/26/2026 7:35:48 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 208											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P4) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18" P2) 24" x 36" - FIELD ADJUSTMENT - 4" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 2) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 22 1) Hole - 6					3398 lb 5270 lb 0 lb 3678 lb 206 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: ** KYTC STATE PROJECT ** STATION: 414+00 LT 1. PER KYTC CBI TYPE A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP				
Rim: 561.12' Rim to Invert: 4.75' Slack: 0" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	556.37'	270°	24"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	-2"	
Invert 2	557.37'	270°	41"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	11.625"	15"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

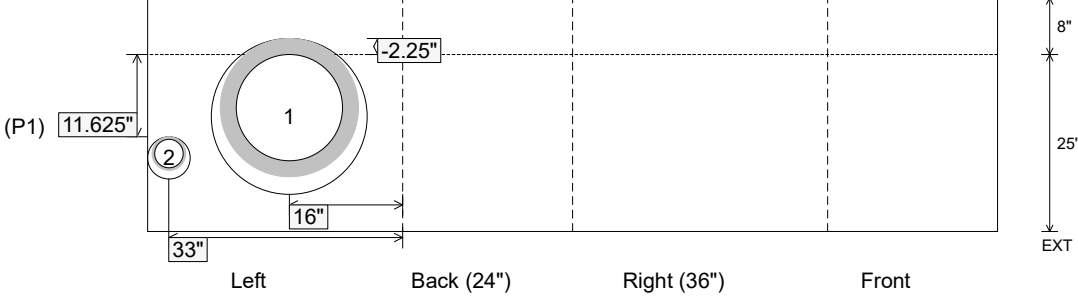


RIGHT-SIDE UP VIEW (int. dimensions)

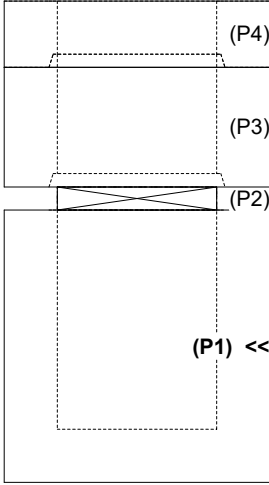
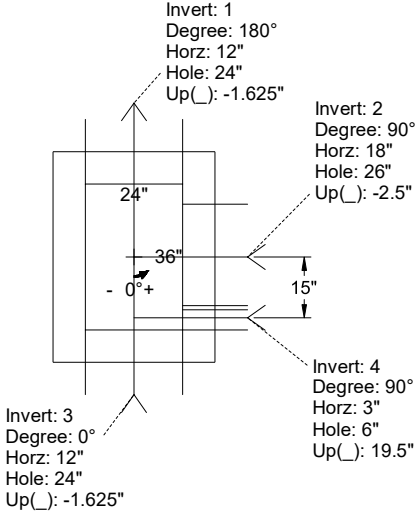
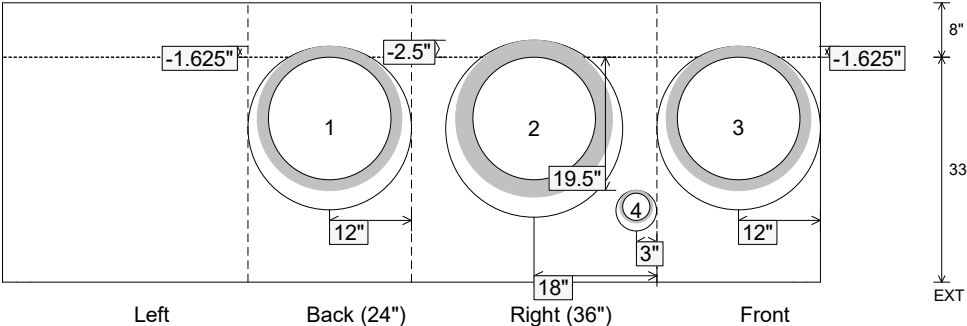
UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS

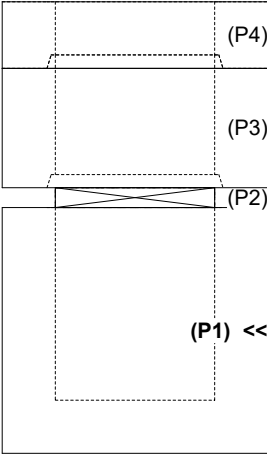


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 3678 lb Volume (Net): 0.94cu.yd
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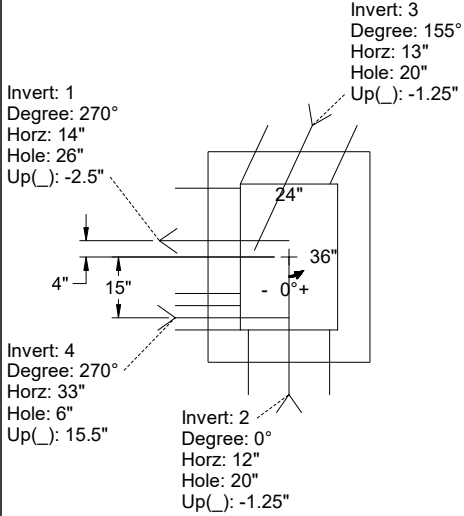
Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 6/26/2026 7:35:46 AM		Tech: J. Horsley PC: C. Goff						
Structure ID: 207													
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n									
P4) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P2) 24" x 36" - FIELD ADJUSTMENT - 3.5" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 33" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 2) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 26 1) Hole - 6						3400 lb 5270 lb 0 lb 3985 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 12860 lb		Structure Notes: ** KYTC STATE PROJECT ** STATION: 412+00 RT 1. PER KYTC CBI TYPE A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP					
Rim: 564.04'		Rim to Invert: 5.41'		Slack: 0.42"		Sump: 0"		Step Position:					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1	558.63'	180°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"			
Invert 2	558.63'	90°	26"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"			
Invert 3	558.63'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-1.625"	0"			
Invert 4	560.29'	90°	11"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	19.5"	-15"			
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): 33" Height (Ext): 41"		Weight (Net): 3985 lb Volume (Net): 1.02cu.yd					

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018) Job Location: Hopkinsville, KY Contractor: Scotty's Contracting & Stone, LLC					Plant: Beaver Dam 6/26/2026 7:35:40 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 202											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P4) 24" x 120" - CB INLET KY A 10' TOP RIGHT F/G - 10" P3) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT T/G - 18" P2) 24" x 36" - FIELD ADJUSTMENT - 3" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 29" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 2) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 26 2) Hole - 20 1) Hole - 6					3398 lb 5270 lb 0 lb 3541 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 12415 lb		Structure Notes: ** KYTC STATE PROJECT ** STATION: 410+10 LT 1. PER KYTC CBI TYPE A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP				
Rim: 565.84' Rim to Invert: 5.08' Slack: 0.96" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	560.76'	270°	22"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	-4"	
Invert 2	560.76'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-1.25"	0"	
Invert 3	560.76'	155°	17.25"	15" HDPE	17.6"	Hole 20	20"	22.068"	-1.25"	8.47"	
Invert 4	562.09'	270°	41"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	15.5"	15"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											

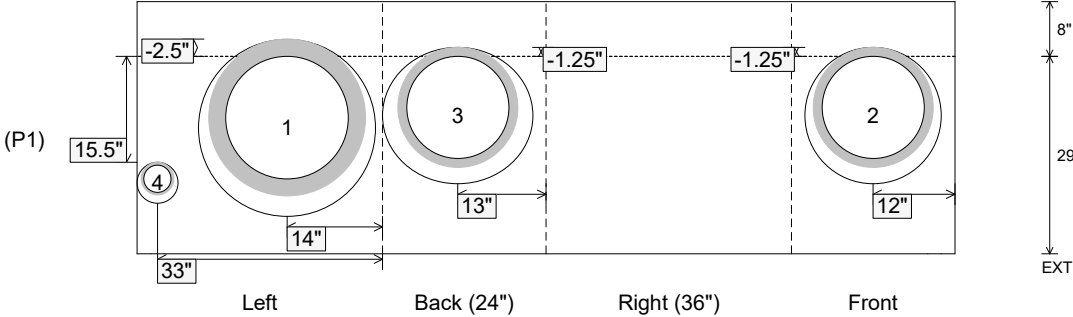
RIGHT-SIDE UP VIEW (int. dimensions)



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): 3541 lb Volume (Net): 0.9cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

6/4/2026 4:51:01 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 568

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 - 38"

1) CASTING - HOE KY-206 F/C (KY TY1)

1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast)

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

1) Hole - 20

2) Hole - 8

3398 lb

5270 lb

4995 lb

206 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 13869 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: 854.04'

Rim to Invert: 5.58'

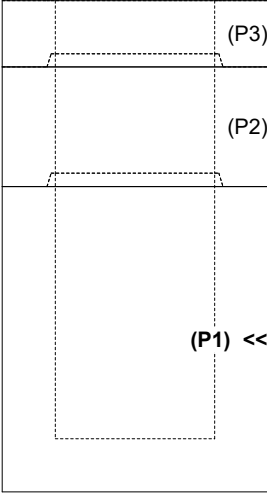
Slack: 0.96"

Sump: 0"

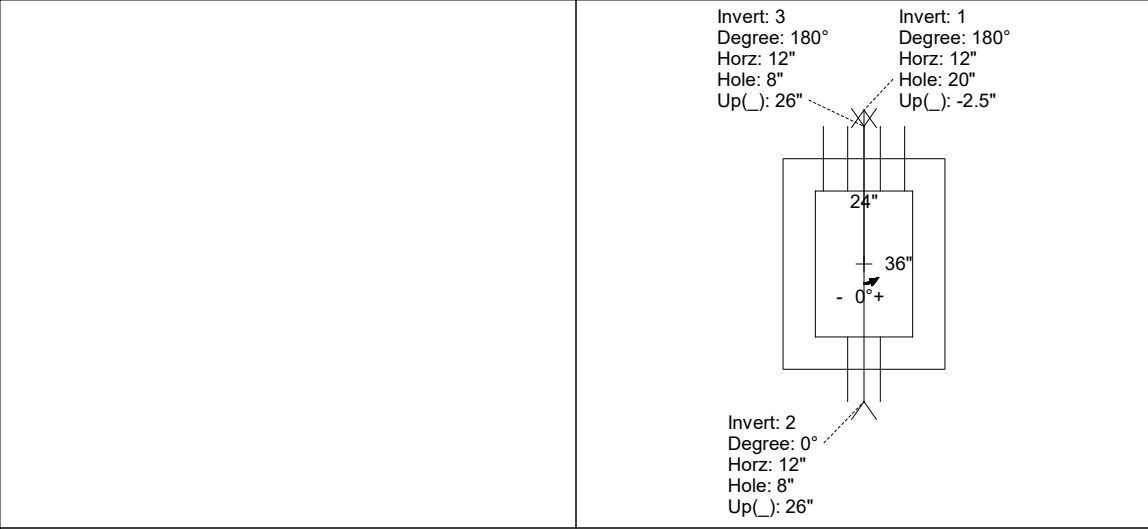
Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	848.46'	180°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	850.79'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	26"	0"
Invert 3	850.79'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	26"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

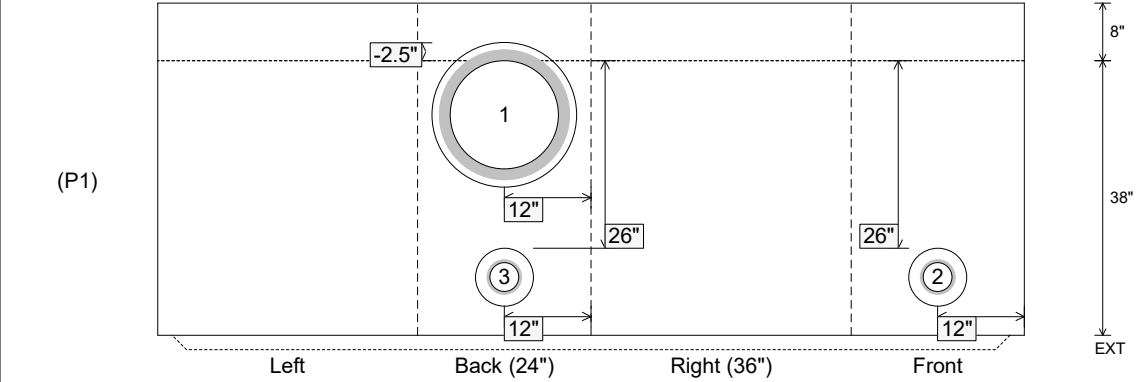
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 38"

Height (Ext): 46"

Weight (Net): 4995 lb

Volume (Net): 1.28cu.yd



Weight (Net): 4660 lb
Volume (Net): 1.19cu.yd

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

Plant: Beaver Dam
6/1/2026 8:23:16 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: AD-4

P1 BX3232-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P2) 32" x 32" - RECESS/GRATE SEAT - 2"
P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 36"
1) CASTING - JBS 4200 Grate
1) 32" x 32" - Conseal CS-102 1.00"
1) Hole - 25

Structure Total: 5543 lb

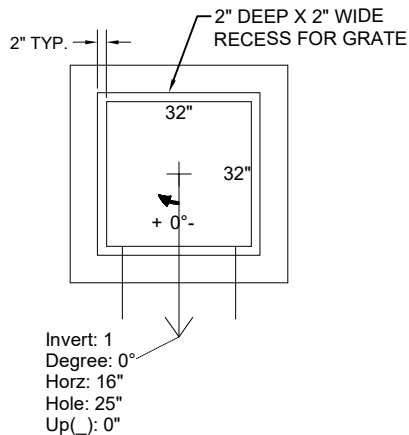
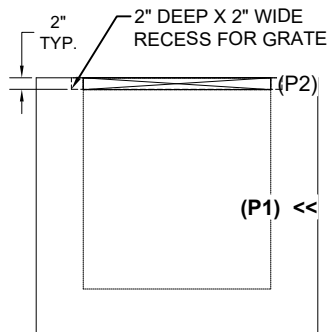
- Structure Notes:
1. PER TDOT D-CB-42S / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 4200 GRATE BY ICAST
4. 2" WD x 2" DEEP GRATE SEAT/RECESS IN TOP OF WALLS.
5. REINFORCING PER ASTM A615 (GRADE 60).
** SEE TDOT STD DRAWING D-CB-42S **
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.
- FLOOR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

Rim: 810.65' Rim to Invert: 2.86' Slack: 0.82" Sump: 2.5" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	807.79'	0°	24"	18" RCP B WALL	23"	Hole 25	25"	25"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

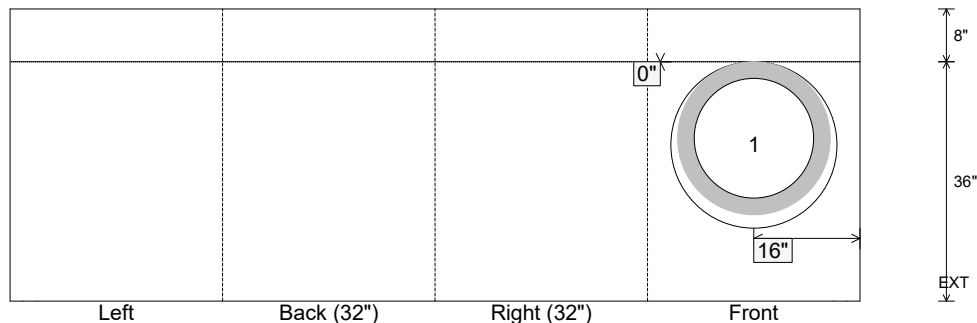
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

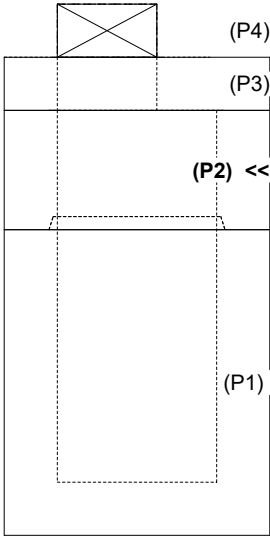
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

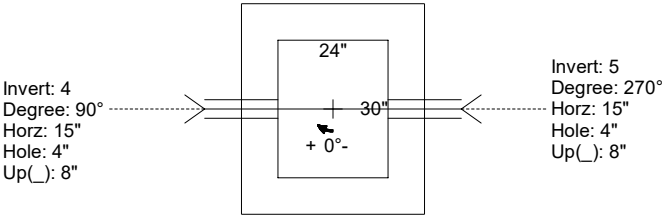
Weight (Net): 5084 lb
Volume (Net): 1.3cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction				Plant: 100 6/12/2026 3:11:12 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 60										
P2 BX2430-08R18				BOX RISER 8inW F/G						
P4) 15" x 27" - P.I.P. - BY OTHERS - 8" P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8" P2) 24" x 30" - BOX RISER 8inW F/G - 18" P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 38" 2) 24" x 30" - Conseal CS-102 1.00" 1) 15" x 27" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 20 2) Hole - 4						0 lb 963 lb 1675 lb 4140 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 0 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TYPE 13G / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-230G FRAME & GRATE SUPPLIED BY OTHERS - POURED IN PLACE BY OTHERS		
Rim: 551.92' Rim to Invert: 6.08' Slack: 0.96" Sump: 0" Step Position:						Structure Total: 6778 lb				
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4	549.84'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	8"	0"
Invert 5	549.84'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	8"	0"
Invert 6										
Invert 7										
Invert 8										



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

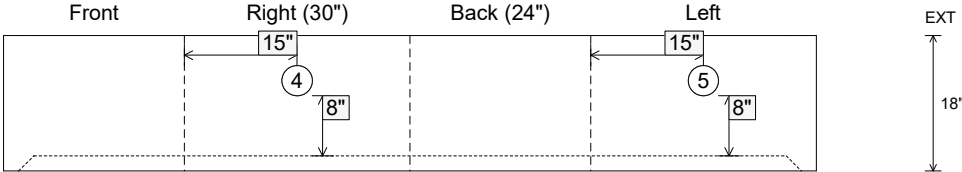
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 4
Degree: 90°
Horz: 15"
Hole: 4"
Up(): 8"

Invert: 5
Degree: 270°
Horz: 15"
Hole: 4"
Up(): 8"

INSIDE WALL DIMENSIONS

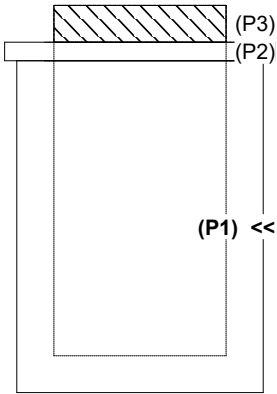
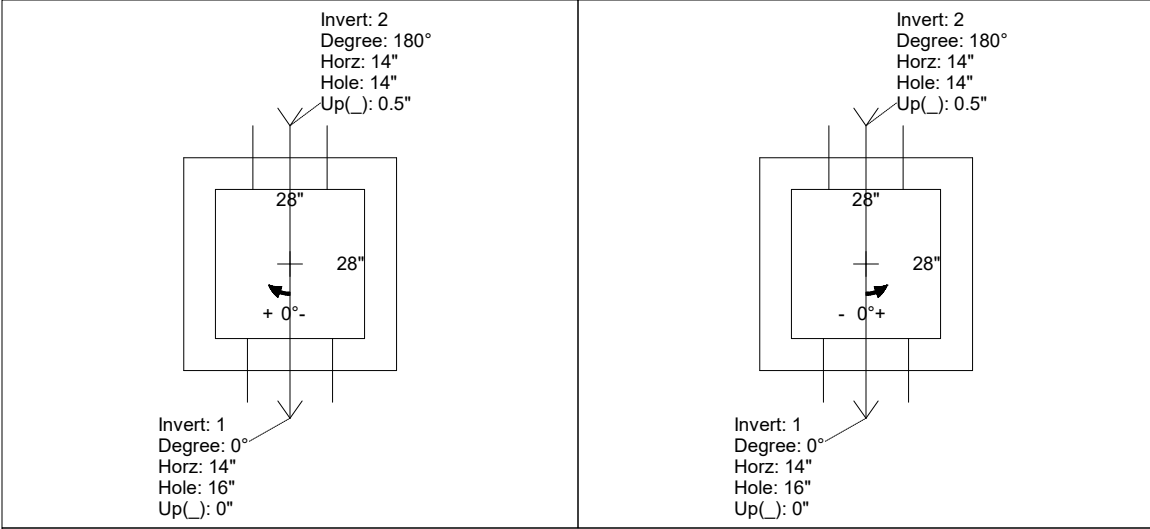
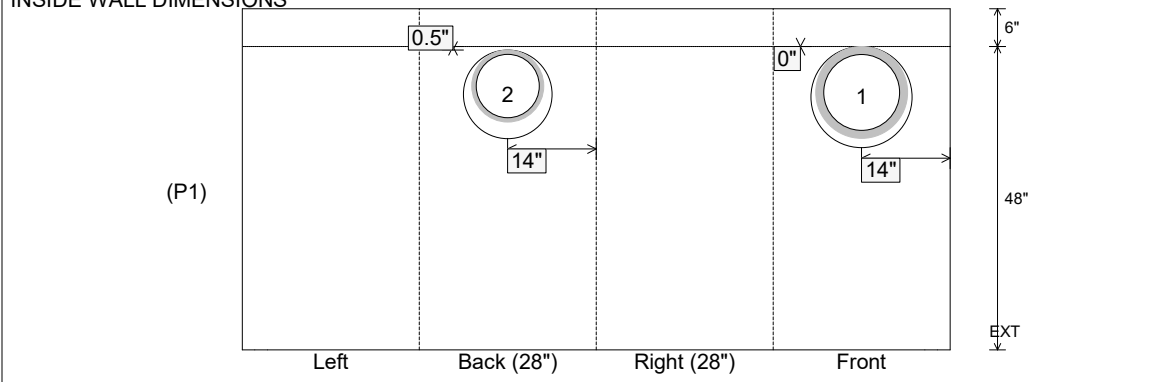


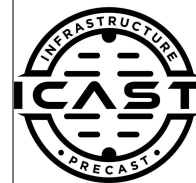
Front Right (30") Back (24") Left

15" 15" 8" 8" 18" EXT

(P2)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 18" Height (Ext): 18"	Weight (Net): 1675 lb Volume (Net): 0.43cu.yd
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Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1 Job Location: Nashville, TN 37208 Contractor: Hayes Pipe Supply					Plant: 100 6/15/2026 10:58:59 AM		Tech: Jared - F PC: E. Bradley			
Structure ID: C1 ST-CB										
P1 BX2828-06BA48 BOX BASE 6inW, 6inF F/n										
P3) 28" x 28" - CASTING HEIGHT - 6" P2) 28" x 28" - GRADE RING F/F - 3" P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48" 2) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 16 1) Hole - 14					0 lb 290 lb 3913 lb 0 lb 0 lb 0 lb ----- Structure Total: 4203 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING SUPPLIED BY OTHERS (JBS 4300 F/G). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 425.52' Rim to Invert: 4.69' Slack: 0.53" Sump: 1.25" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	420.83'	0°	20"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 2	420.83'	180°	20"	10" HDPE	11.4"	Hole 14	14"	14"	0.5"	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: 6" Floor Height: 6"		Height (Int): 48" Height (Ext): 54"		Weight (Net): 3913 lb Volume (Net): 1cu.yd	

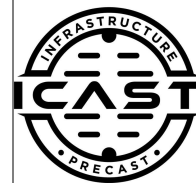


Weight (Net): 411 lb
Volume (Net): 0.1cu.yd

Plant: Beaver Dam

7/21/2026 8:50:25 AM

Tech:	S. Felletter
PC:	A. Chambers

**GRADE RING 6"W F/F**

411 lb
411 lb
411 lb
411 lb
411 lb
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411 lb

411 lb
411 lb
411 lb
411 lb
411 lb

Structure Notes:

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

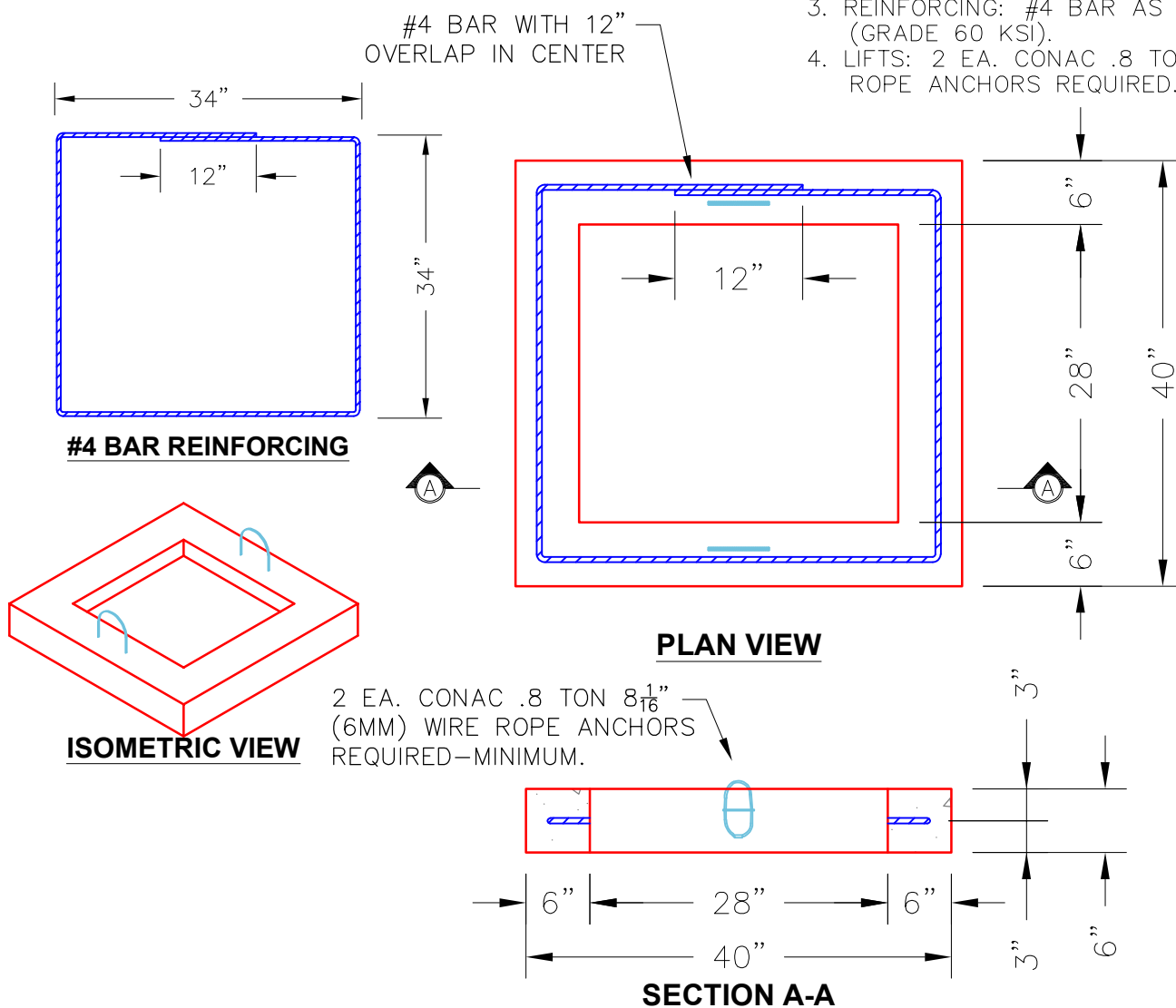
REINFORCING PER ASTM A615 (GRADE 60).

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

NOTES:

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

Structure Total: 9449 lb



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 6"

Weight (Net): 411 lb
Volume (Net): 0.1cu.yd

Plant: Beaver Dam

7/21/2026 8:50:26 AM

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 6"	Height (Ext): 6"	Weight (Net): 411 lb Volume (Net): 0.1cu.yd
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Plant: Beaver Dam

7/21/2026 8:50:26 AM

411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb

411 lb
411 lb
411 lb
411 lb
411 lb

Coating (Int):
Coating (Ext):

Plant: Beaver Dam

7/21/2026 8:50:26 AM

Tech:	S. Felletter
PC:	A. Chambers

**GRADE RING 6"W F/F**

411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
411 lb
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411 lb
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411 lb
411 lb

Structure Notes:

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

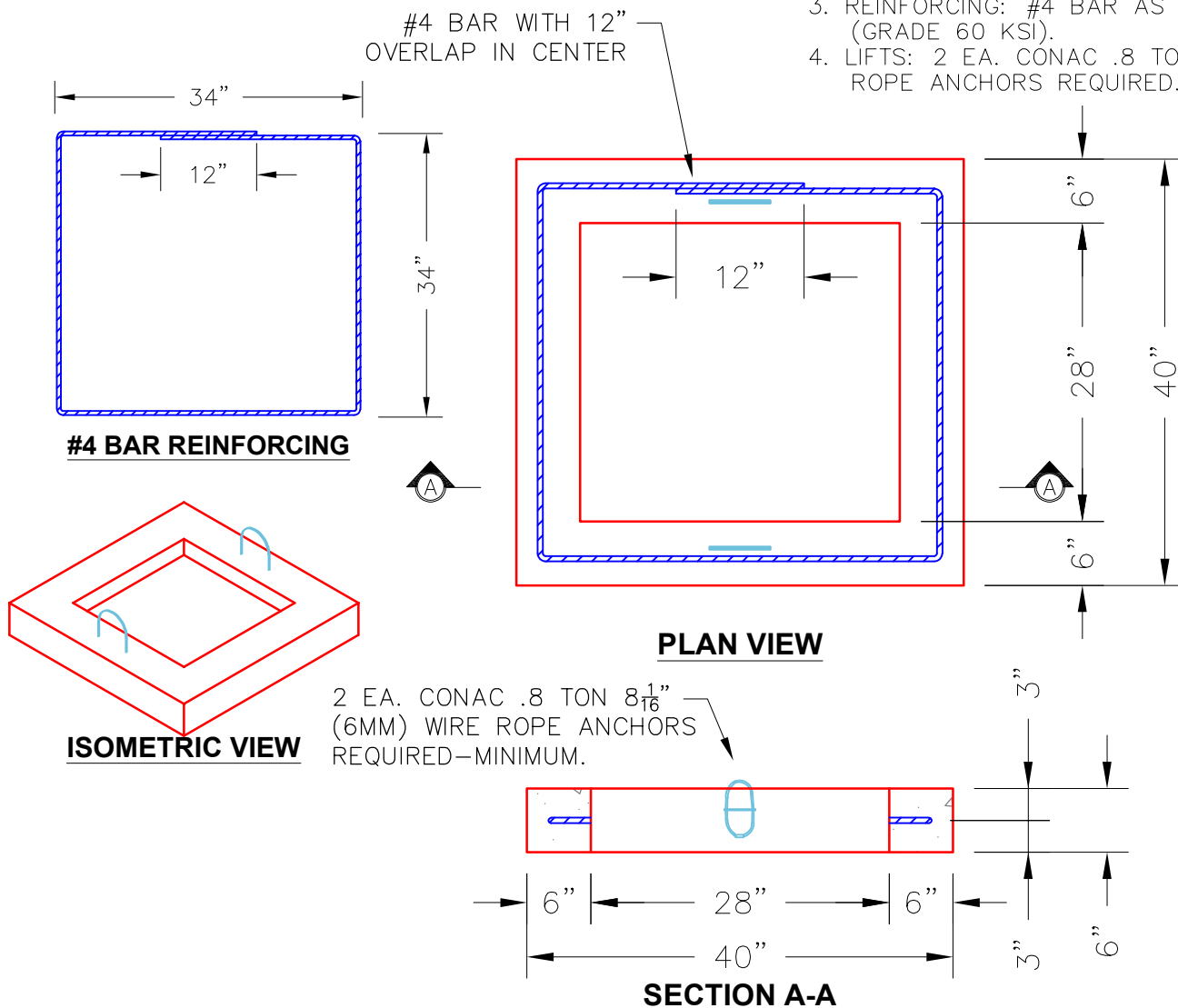
REINFORCING PER ASTM A615 (GRADE 60).

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

NOTES:

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

Structure Total: 9449 lb



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 6"

Weight (Net): 411 lb
Volume (Net): 0.1cu.yd

Plant: Beaver Dam

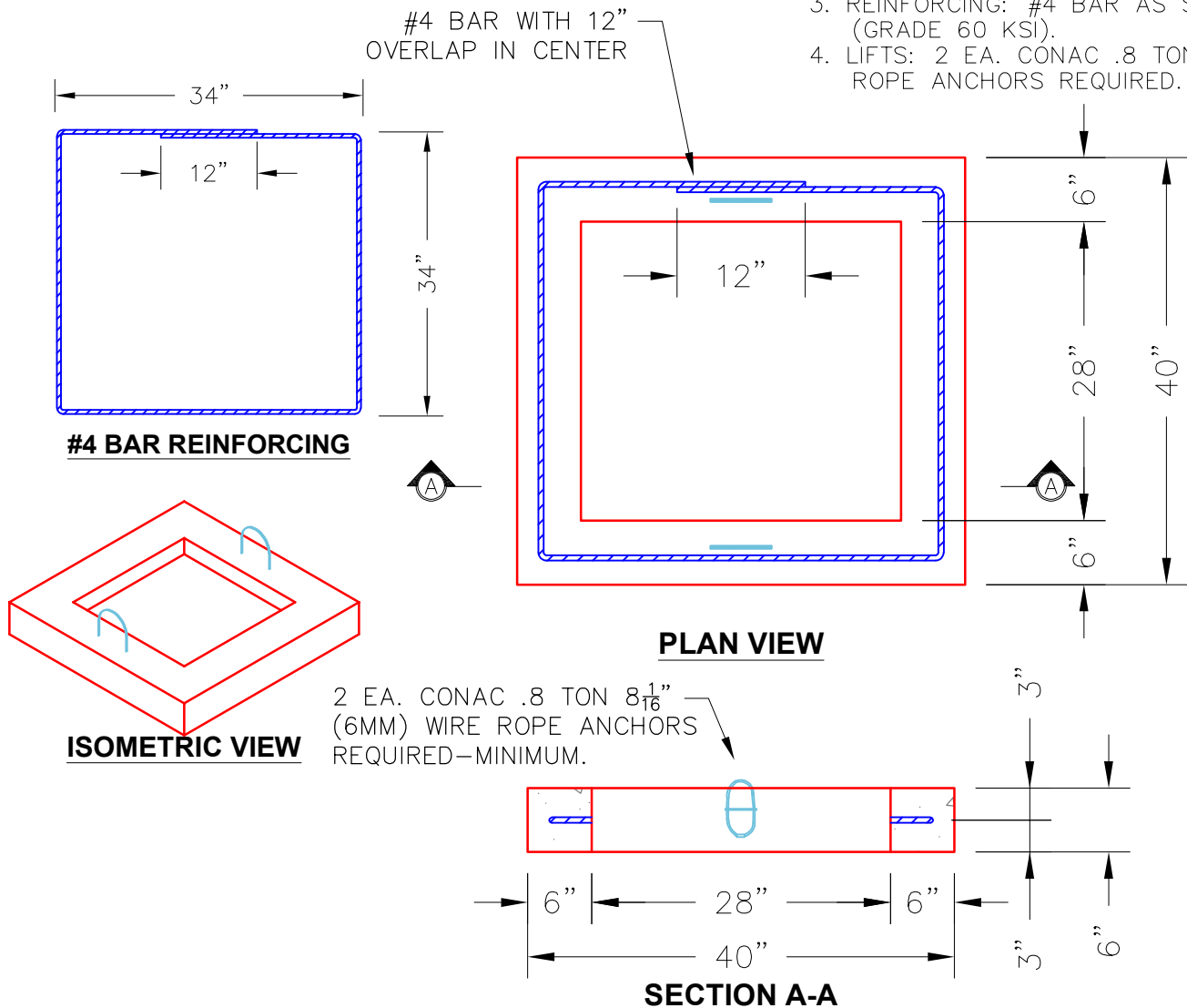
7/21/2026 8:50:27 AM

Tech:	S. Felletter
PC:	A. Chambers

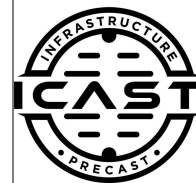


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Weight (Net): 411 lb
Volume (Net): 0.1cu.yd



Weight (Net): 411 lb
Volume (Net): 0.1cu.yd

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

Plant: Beaver Dam

Tech: S. Felletter

7/21/2026 8:50:12 AM

PC: A. Chambers



Structure ID: QL18

P1 GR28X28X6X4

GRADE RING 6"W F/F

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

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Structure Notes:

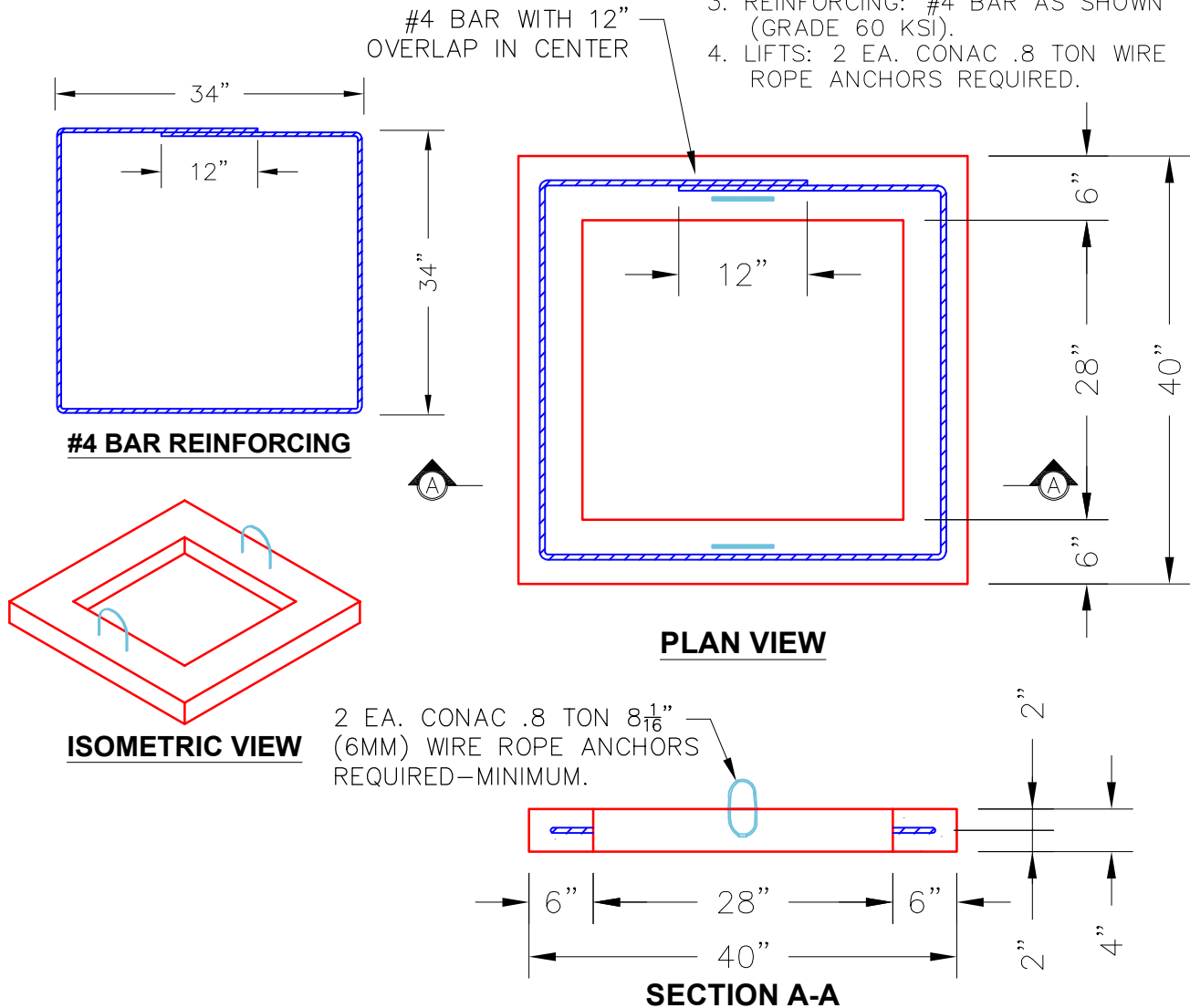
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

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

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

Plant: Beaver Dam

7/21/2026 8:50:12 AM

Tech: S. Felletter

PC: A. Chambers



Structure ID: QL18

P2 GR28X28X6X4

GRADE RING 6"W F/F

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

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Structure Notes:

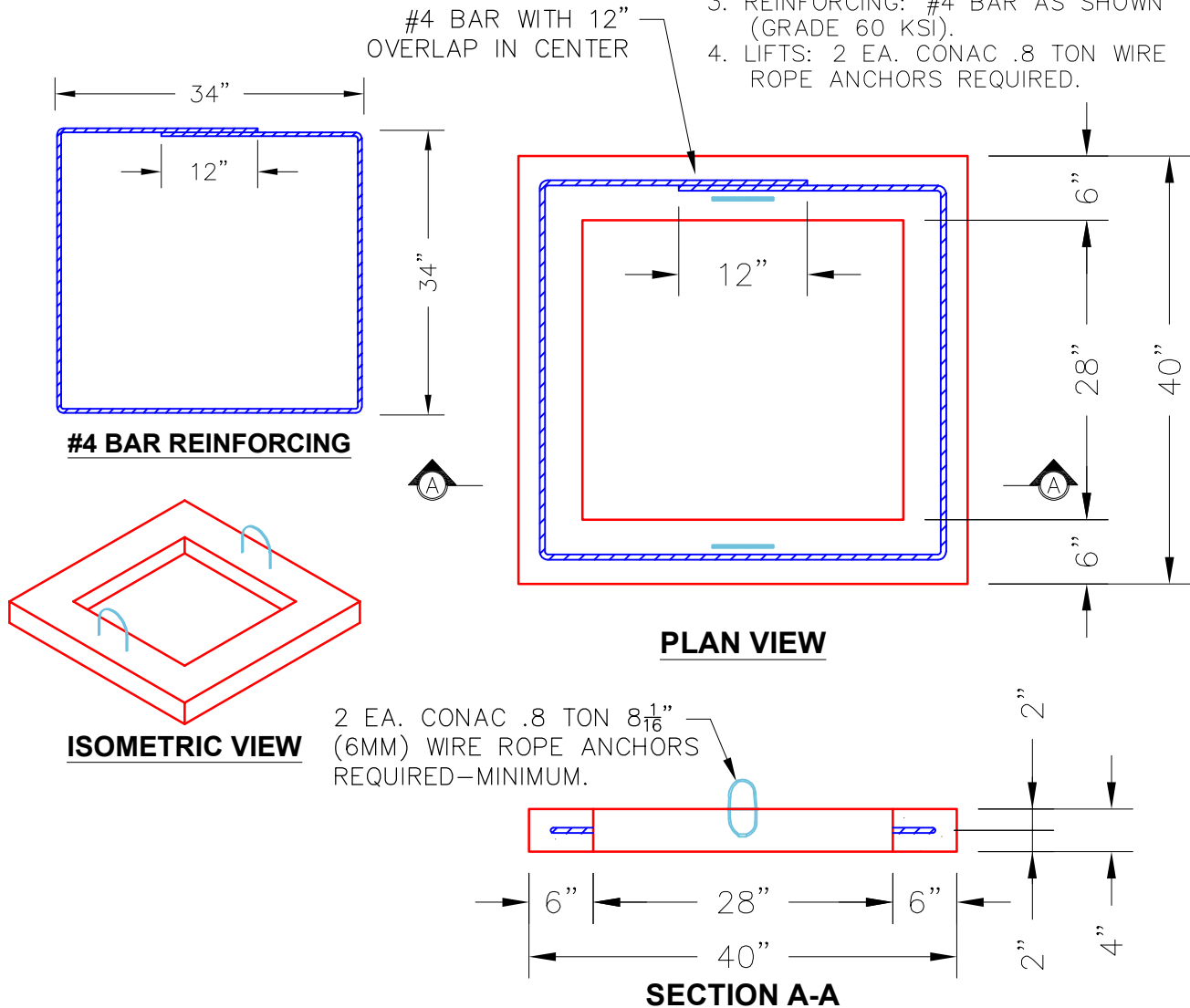
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

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

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

Plant: Beaver Dam

Tech: S. Felletter

7/21/2026 8:50:13 AM

PC: A. Chambers



Structure ID: QL18

P3 GR28X28X6X4

GRADE RING 6"W F/F

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

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Structure Notes:

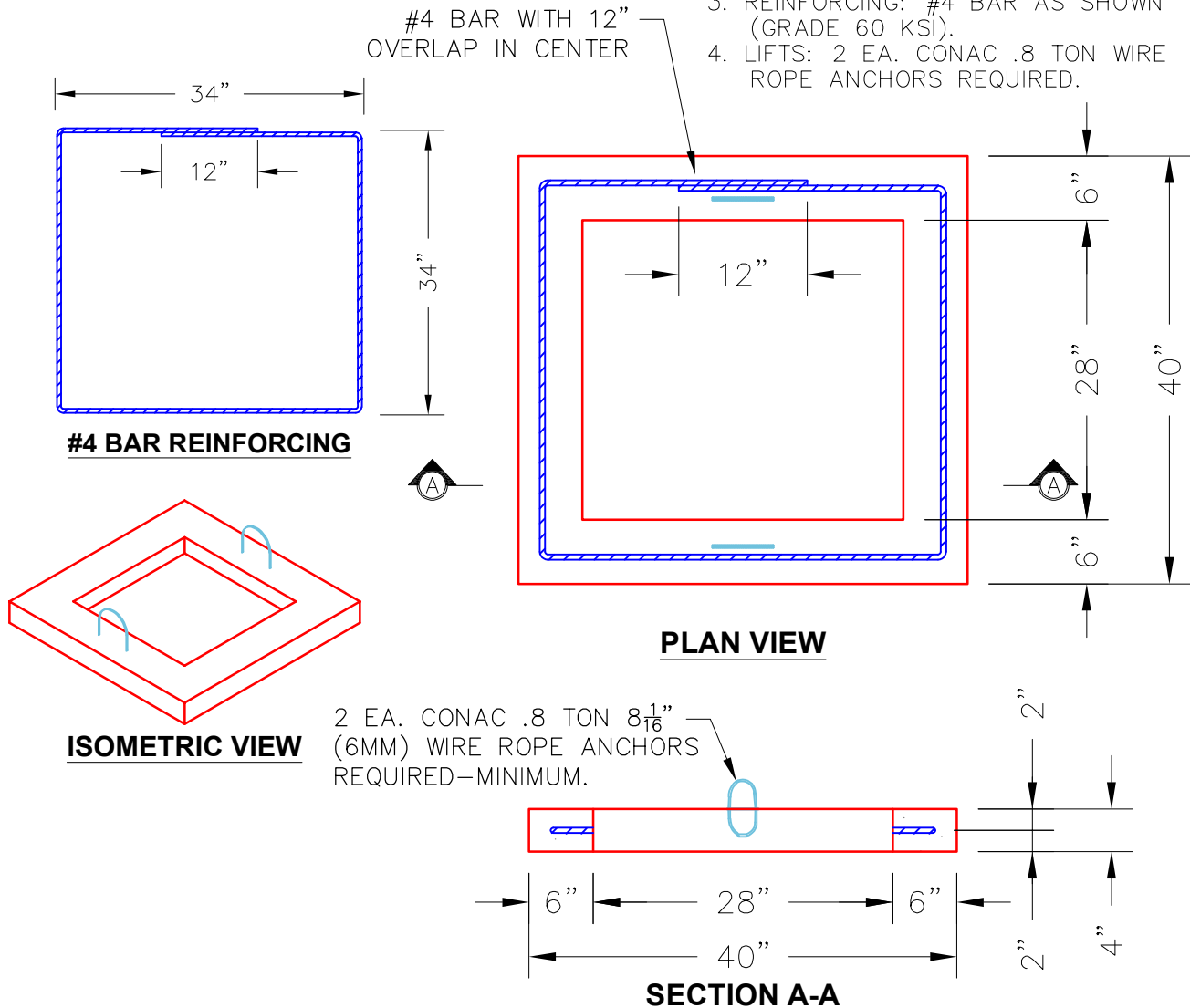
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.

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

Structure Total: 4930 lb

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 4"

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

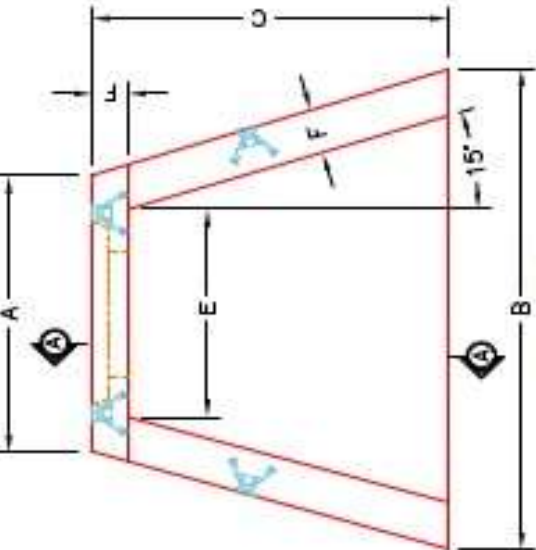


Structure ID: 3 HW

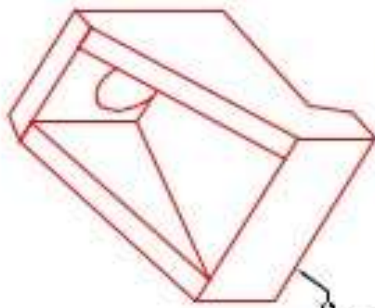
P1 HWA15F

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

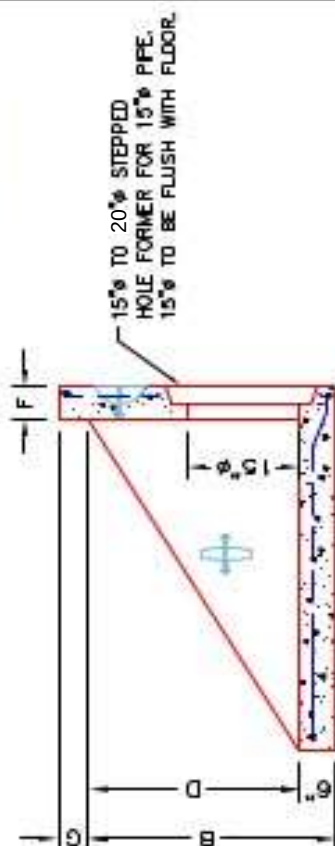
DIMENSIONS & QUANTITIES									
TYPE	PIPE Ø	A	B	C	D	E	F	G	WEIGHT
AW	15"	2'-8"	4'-0"	2'-6"	2'-2"	2'-0"	6"	0"	1,380 LBS.



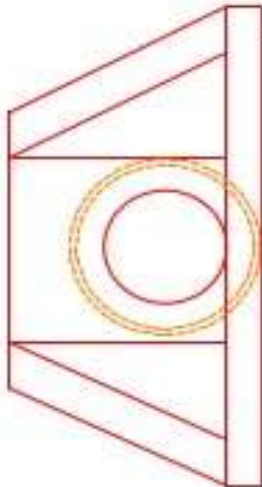
PLAN VIEW



ISOMETRIC VIEW



SECTION A-A



FRONT ELEVATION

NOTES:

1. CONCRETE: 4500 PSI AT 28 DAYS MIN. STRENGTH.
2. REINFORCING: #4 BAR @ 12" C/C E.W. - GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.

PRODUCTION WORK ORDER		DESCRIPTION: AW WINGED HEADWALL FOR 15" Ø PIPE	
	QUALITY CONTROL CHECKLIST	PRODUCT I.D.: HWA15F	CUSTOMER: STOCK
	☐ ALL DIMENSIONS CORRECT.	PRODUCT VIEW: RIGHT SIDE UP	PROJECT: STOCK
	☐ LIFTERS INSTALLED.	PLANT: BEAVER DAM, KY.	STRUCTURE I.D.: STOCK
	☐ STEPPED IF CORRECT SIZE.	WEIGHT: 1,630 LBS.	SALES ORDER NO: T.B.D.
	☐ REINFORCING CORRECT.	TOP SECTION JOINT: N/A	CHECK: A. WELLS
	☐ CLEARANCE ON REINFORCING CORRECT.	BASE SECTION JOINT: N/A	DRAWING: J. HORSLEY
☐ EDGES CHAMFERED.		QC CHECK INITIALS:	DATE: 09/25/24
☐ ALL PATCHWORK ACCEPTABLE.		SCALE: NTS	PG. 1 of 1

Job Name: 26-2217 Kroger COB
Job Location: Bowling Green, KY
Contractor: Stewart Richey

Plant: Beaver Dam

7/21/2026 8:12:41 AM

Tech: J. Coppage

PC: T. Lewis



Structure ID: QL5 MMV

P1 BX072090-06W08F-BAVF

BOX BASE 6inW, 8inF, Variable Ht

- P3) 24" x 24" - HATCH (CAST FLUSH) - 3"
P2) 72" x 90" - BX FLAT LID 6"W w/24"x24" HATCH - 8"
P1) 72" x 90" - BOX BASE 6inW, 8inF, Variable Ht - 96"
1) This Structure Includes a Cast-in Item - 24" x 24" Hatch
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) HATCH (Alum.) - HALLIDAY H1W 24"x24"
1) SECONDARY POUR - WALLS
2) PSX - 12M NYLO
7) MH Step ML-10-TDS-NCR - 10"

FIRST POUR DRAWING

Structure Total: 28174 lb

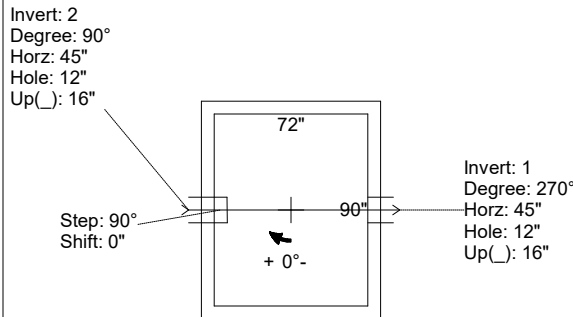
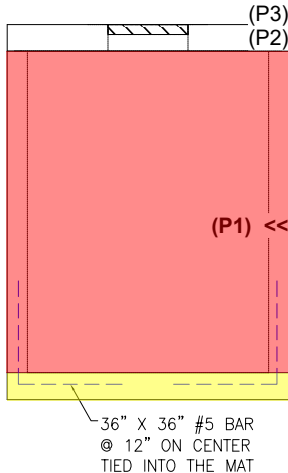
Structure Notes:

1. HALLIDAY H1W 24" X 24" HATCH BY ICAST.
 2. HATCH TO BE CAST INTO THE TOP SLAB.
 3. PER ASTM C913 SPECIFICATIONS.
 4. CONCRETE = 4,000 PSI AT 28 DAYS.
 5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

Rim: 547.24' Rim to Invert: 7.24' Slack: 0.88" Sump: 18" Step Position: 90

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	540'	270°	51"	8" DI	9"	PSX 12M NYLO	12"	12"	16"	0"
Invert 2	540'	90°	51"	8" DI	9"	PSX 12M NYLO	12"	12"	16"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



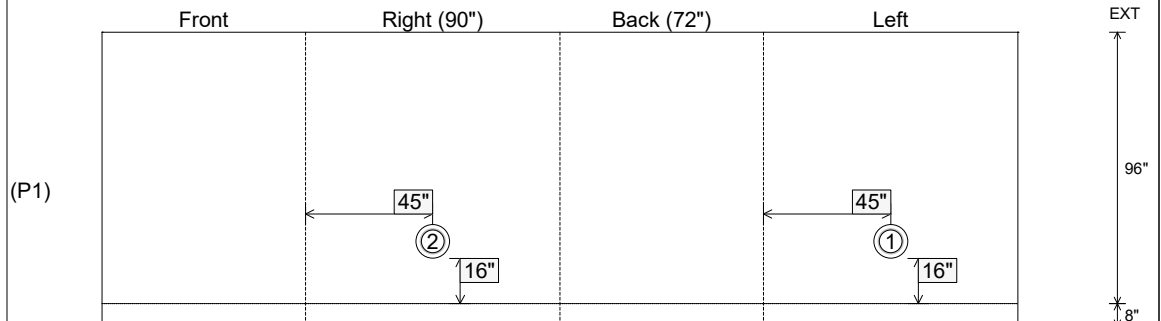
WEIGHTS:

FIRST POUR - 5,752 LBS.

SECOND POUR - 16,706 LBS.

TOTAL - 22,458 LBS.

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 96"
Height (Ext): 104"

Weight (Net): 22458 lb
Volume (Net): 5.74cu.yd

Job Name: 26-2217 Kroger COB
Job Location: Bowling Green, KY
Contractor: Stewart Richey

Plant: Beaver Dam

Tech: J. Coppage

7/21/2026 8:12:41 AM

PC: T. Lewis



Structure ID: QL5 MMV

P1 BX072090-06W08F-BAVF

BOX BASE 6inW, 8inF, Variable Ht

- P3) 24" x 24" - HATCH (CAST FLUSH) - 3"
P2) 72" x 90" - BX FLAT LID 6"W w/24"x24" HATCH - 8"
P1) 72" x 90" - BOX BASE 6inW, 8inF, Variable Ht - 96"
1) This Structure Includes a Cast-in Item - 24" x 24" Hatch
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) HATCH (Alum.) - HALLIDAY H1W 24"x24"
1) SECONDARY POUR - WALLS
2) PSX - 12M NYLO
7) MH Step ML-10-TDS-NCR - 10"

SECOND POUR DRAWING

Structure Total: 28174 lb

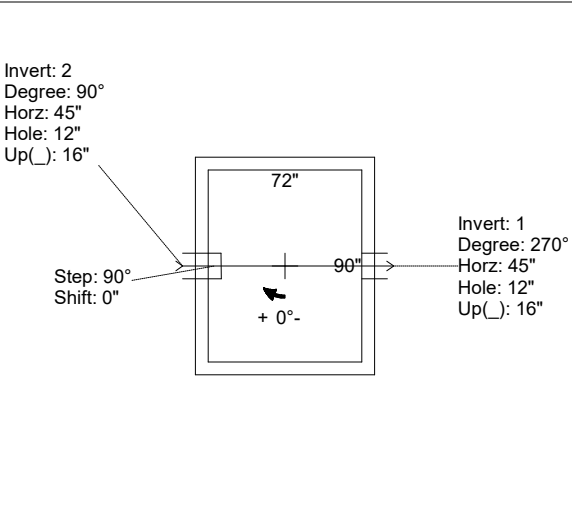
Structure Notes:

1. HALLIDAY H1W 24" X 24" HATCH BY ICAST.
 2. HATCH TO BE CAST INTO THE TOP SLAB.
 3. PER ASTM C913 SPECIFICATIONS.
 4. CONCRETE = 4,000 PSI AT 28 DAYS.
 5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 8" C.C.E.W.

Rim: 547.24' Rim to Invert: 7.24' Slack: 0.88" Sump: 18" Step Position: 90

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	540'	270°	51"	8" DI	9"	PSX 12M NYLO	12"	12"	16"	0"
Invert 2	540'	90°	51"	8" DI	9"	PSX 12M NYLO	12"	12"	16"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



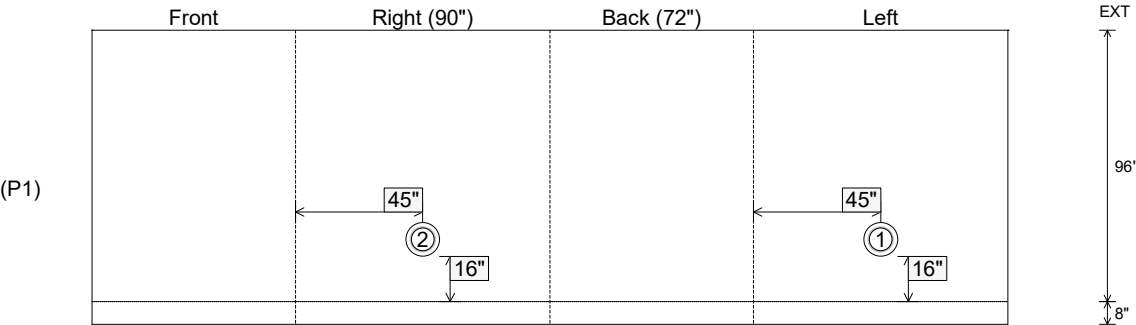
WEIGHTS:

FIRST POUR - 5,752 LBS.

SECOND POUR - 16,706 LBS.

TOTAL - 22,458 LBS.

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 96"
Height (Ext): 104"

Weight (Net): 22458 lb
Volume (Net): 5.74cu.yd

Job Name: 26-2217 Kroger COB
Job Location: Bowling Green, KY
Contractor: Stewart Richey

Plant: Beaver Dam

7/21/2026 8:13:23 AM

Tech: J. Coppage

PC: T. Lewis



Structure ID: QL3

P2 MH084RS90

MH RISER

P4) 60" x 54" - HATCH (CAST FLUSH) - 3"

P3) 84" - MH FLAT TOP w/60"x54" Hatch - 17"

P2) 84" - MH RISER - 90"

P1) 84" - MH BASE w/FLANGE (12F/07EF) - 60"

1) JOINT WRAP - 12" WD x 084" MAC WRAP

1) HATCH (Alum.) - HALLIDAY H2W 60"x54"

1) This Structure Includes a Cast-in Item - 60" x 54" Hatch

1) SECONDARY POUR - EXT FLANGE

2) 84" - Conseal CS-231 1.00" (Double)

2) PSX - 12M NYLO

1) PSX - 12-08 NYLO

1) PSX - 8QRS-S NYLO

100 lb
5152 lb
17186 lb
21919 lb
0 lb
263 lb
0 lb
0 lb
0 lb
16 lb
8 lb
6 lb

Structure Total: 44651 lb

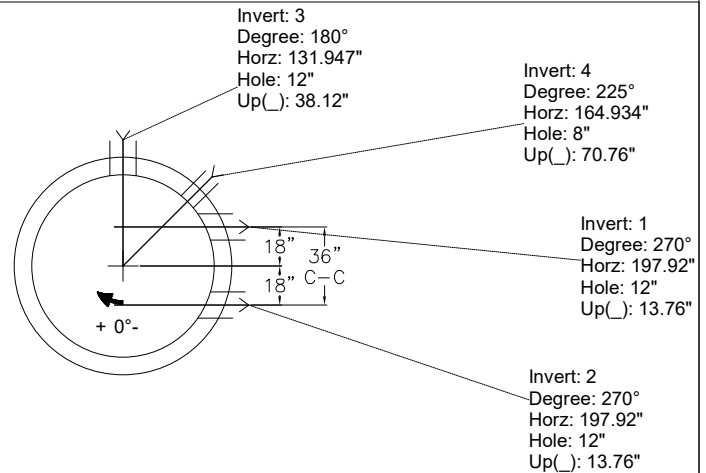
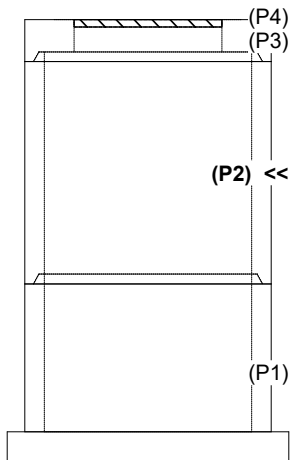
Structure Notes:

1. HALLIDAY H2W 60" X 54" HATCH BY ICAST.
2. HATCH TO BE CAST INTO THE TOP SLAB.
3. PER ASTM C478 SPECIFICATIONS.
4. CONCRETE = 4,500 PSI AT 28 DAYS.
5. NO STEPS
6. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
 - RISER/WALLS (As .12)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W. DBL MAT.

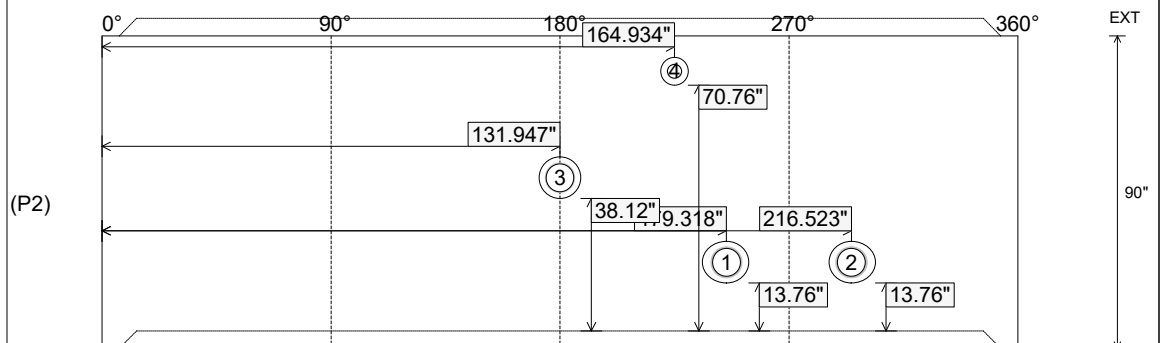
Rim: 547.24' Rim to Invert: 7.24' Slack: 0.64" Sump: 80.76" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	540'	270°	217.206"	8" DI	9"	PSX 12M NYLO	12"	13.377"	13.76"	-18"
Invert 2	540'	270°	254.033"	8" DI	9"	PSX 12M NYLO	12"	13.377"	13.76"	18"
Invert 3	542.03'	180°	157.08"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.041"	38.12"	0"
Invert 4	544.75'	225°	196.35"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.012"	70.76"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 8"
Floor Height: 0"

Height (Int): 90"
Height (Ext): 90"

Weight (Net): 17186 lb
Volume (Net): 4.39cu.yd

Job Name: 26-1394 - TMMI Ryder Lift Station

Job Location: Princeton, IN

Contractor: Koberstein Contracting, Inc.

Plant: 100

7/16/2026 2:28:13 PM

Tech: Jared - A

PC: A. Chambers



Structure ID: 4 VV

P1 BX6096-08BAVF-EB

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

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

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

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

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

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

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

1) SECONDARY POUR

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

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

8) PSX - 8QRS-S NYLO

0 lb

4820 lb

26684 lb

0 lb

0 lb

0 lb

0 lb

65 lb

0 lb

52 lb

Structure Total: 31621 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

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

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

FIRST POUR (FLOOR): 7,325 LBS

SECOND POUR (WALLS): 19,359 LBS

Rim: 464.5'

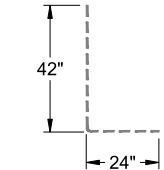
Rim to Invert: 7.4'

Slack: 0.24"

Sump: 4.44"

Step Position:

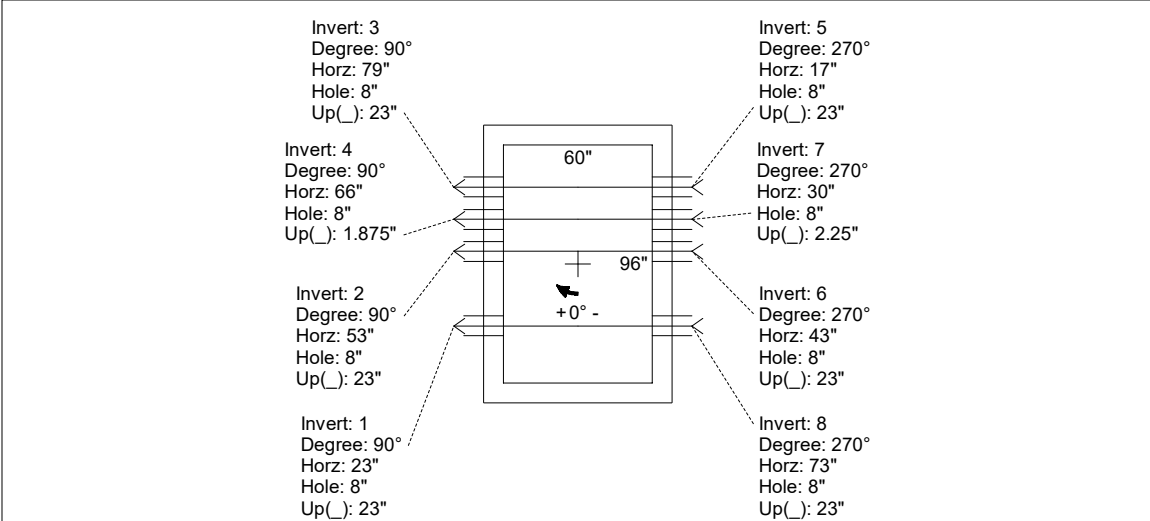
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	458.81'	90°	31"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-25"
Invert 2	458.81'	90°	61"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	5"
Invert 3	458.81'	90°	87"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	31"
Invert 4	457.1'	90°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



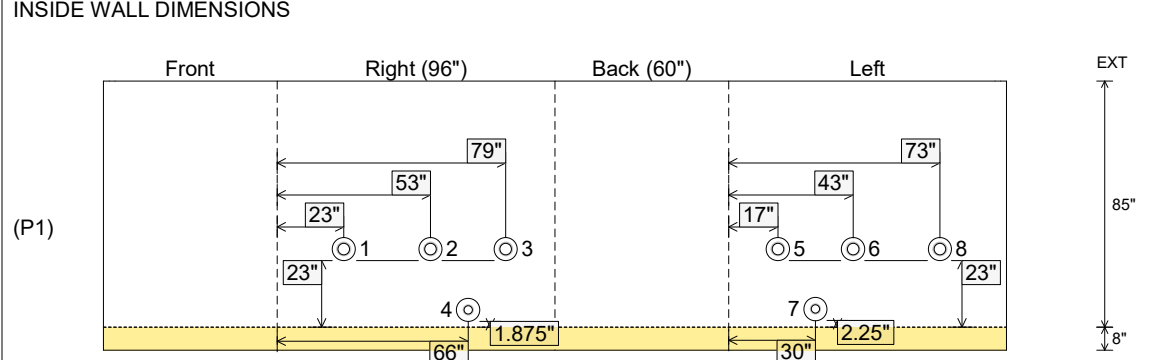
#5 L-BAR DETAIL

44 EA. REQUIRED

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 85"

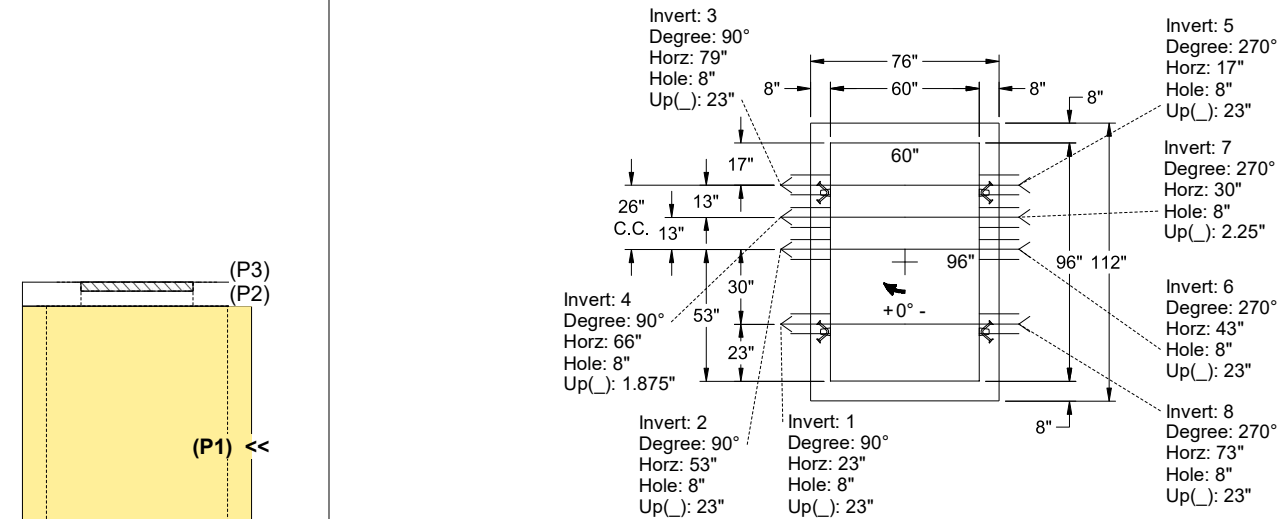
Height (Ext): 93"

Weight (Net): 26684 lb

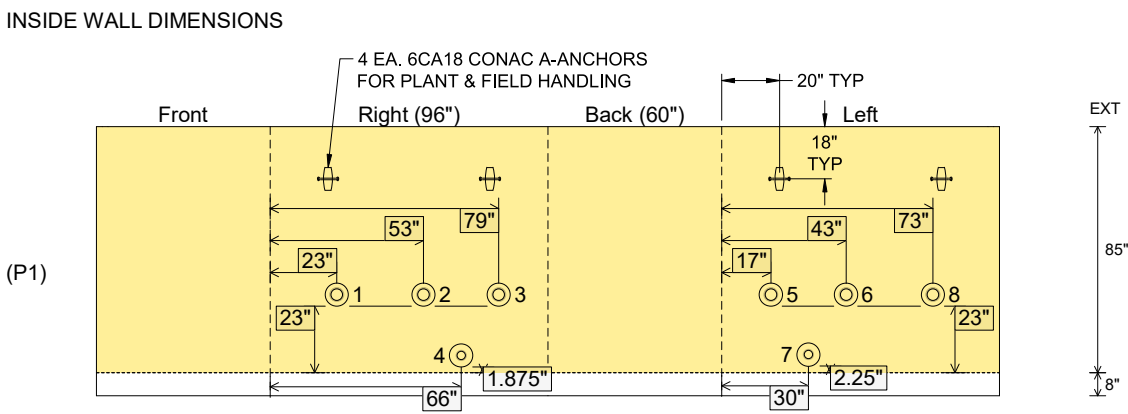
Volume (Net): 6.82cu.yd

Job Name: 26-1394 - TMMI Ryder Lift Station Job Location: Princeton, IN Contractor: Koberstein Contracting, Inc.					Plant: 100 7/16/2026 2:28:13 PM		Tech: Jared - A PC: A. Chambers				
Structure ID: 4 VV											
P1 BX6096-08BAVF-EB			BX BASE w/FLANGE 08W/08F/06EF F/n								
P3) 37" x 36" - HATCH (CAST FLUSH) - 3" P2) 60" x 96" - BX FLAT LID 8"W w/37"x36" HATCH F/F - 8" P1) 60" x 96" - BX BASE w/FLANGE 08W/08F/06EF F/n - 85" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) This Structure Includes a Cast-in Item - 37" x 36" Hatch (Supplied by Others) 1) SECONDARY POUR - Extended Base Flange 1) LADDER (Alum.) - HALLIDAY L1D 84in Floor-Ceiling Mount Ladder 1) 60" x 96" - Conseal CS-102 1.00" (Double) 8) PSX - 8QRS-S NYLO						0 lb 4820 lb 26684 lb 0 lb 0 lb 0 lb 0 lb 65 lb 0 lb 52 lb ----- Structure Total: 31621 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HALLIDAY 7' FLOOR & CEILING MOUNT LADDER SUPPLIED BY ICAST 5. FLOOR GROUTING BY OTHERS 6. LIFTERS: 4 EA. 6CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN 7. PRIOR TO WALL POUR, PLACE STRIP OF CS-231 1" BUTYL BETWEEN WALLS & FLOOR TO CREATE WATERTIGHT SEAL			
FIRST POUR (FLOOR): 7,325 LBS SECOND POUR (WALLS): 19,359 LBS											
Rim: 464.5' Rim to Invert: 7.4' Slack: 0.24" Sump: 4.44" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	458.81'	90°	31"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-25"	
Invert 2	458.81'	90°	61"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	5"	
Invert 3	458.81'	90°	87"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	31"	
Invert 4	457.1'	90°	74"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8"	1.875"	18"	
Invert 5	458.81'	270°	25"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-31"	
Invert 6	458.81'	270°	51"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	-5"	
Invert 7	457.13'	270°	38"	3" PVC SCH80	3.5"	PSX 8QRS-S NYLO	8"	8"	2.25"	-18"	
Invert 8	458.81'	270°	81"	4" DI	4.75"	PSX 8QRS-S NYLO	8"	8"	23"	25"	

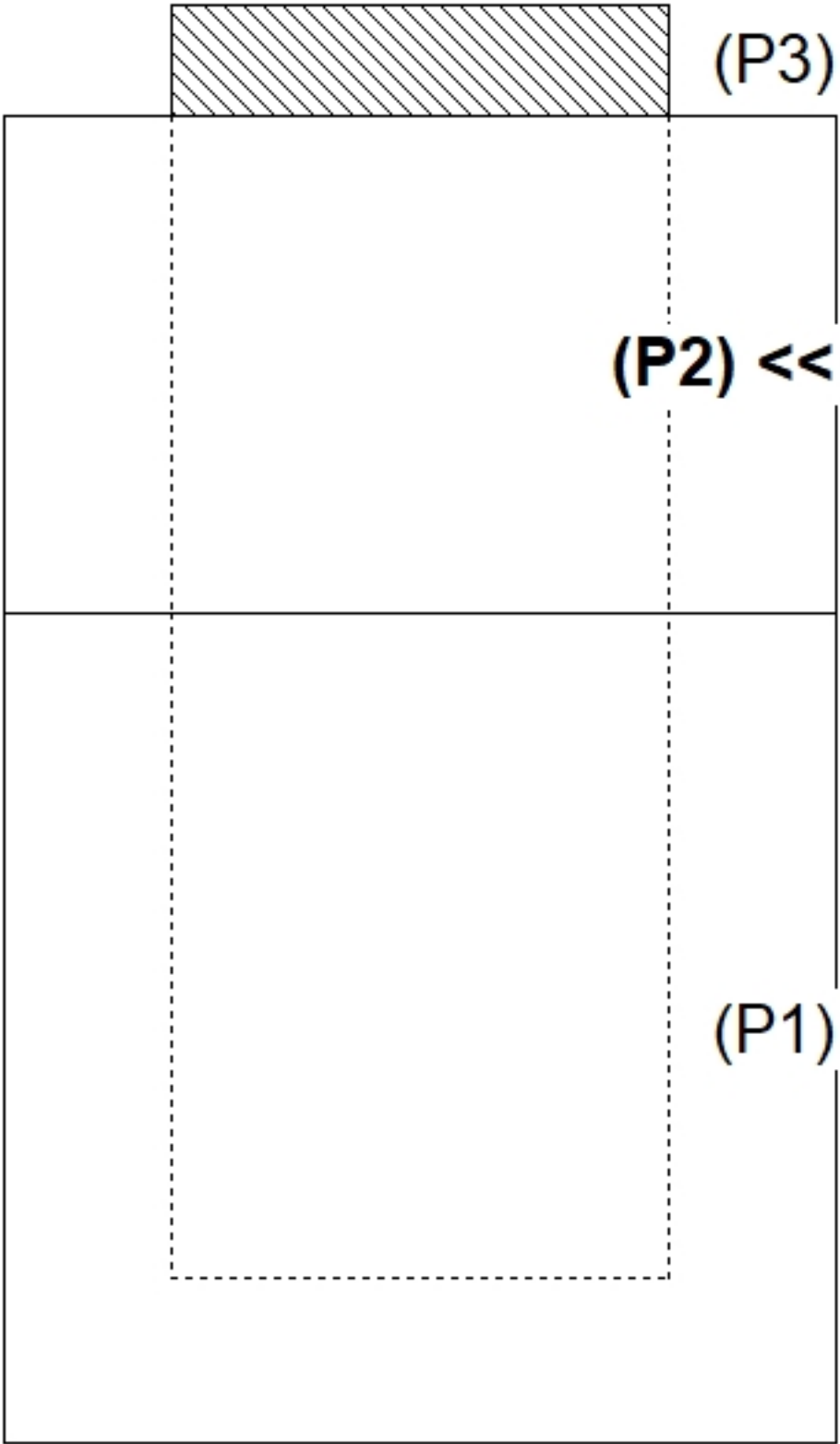
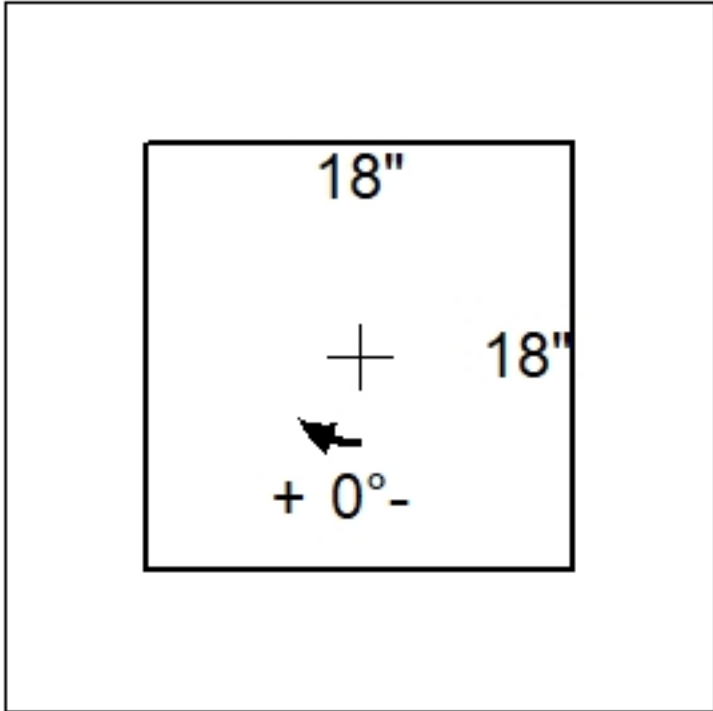
RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 85" Height (Ext): 93"	Weight (Net): 26684 lb Volume (Net): 6.82cu.yd
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Job Name: 26-2119 512 W Kingston Ave MSD Job Location: Louisville, KY Contractor: TRC, LLC				Plant: Beaver Dam 7/16/2026 3:43:40 PM		Tech: S. Felletter PC: T. Lewis						
Structure ID: QL3 ST-CB 11												
P2 BX1818-06R18 BOX RISER 6inW F/F												
P3) 18" x 18" - CASTING HEIGHT - 4" P2) 18" x 18" - BOX RISER 6inW F/F - 18" P1) 18" x 18" - KNOCKOUT BASE 6"W/F - STOCK F/n - 24" 1) CASTING - HOE 165A F/G 2) 18" x 18" - Conseal CS-102 1.00"						0 lb 870 lb 1613 lb 138 lb 0 lb ----- 2621 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 165-A F/G). . REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.				
Rim: 3.833' Rim to Invert: 0' Slack: 0" Sump: 46" Step Position:						Structure Total:						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1												
Invert 2												
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												
RIGHT-SIDE UP VIEW (int. dimensions)												
												
		INSIDE WALL DIMENSIONS										
(P2)		Front				Right (18")		Back (18")		Left		EXT 18"
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: Flat		Wall Thickness: 6" Floor Height: 0"		Height (Int): 18" Height (Ext): 18"		Weight (Net): 870 lb Volume (Net): 0.22cu.yd			

Job Name: 26-1899 - Gateway 65 Industrial Road
Job Location: Franklin, KY
Contractor: RD Sitework LLC

Plant: 100

6/4/2026 4:39:26 PM

Tech: Jared - F
PC: E. Bardley



Structure ID: 68 ST-DCI

P2 BX036084-08LD08SP

CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F

P3) 24" x 36" - CASTING HEIGHT - 6"
P2) 36" x 84" - CB FLAT TOP 8"W SPEC. (2 - 24x36 HOLES) F/F - 8"
P1) 36" x 84" - BOX BASE 8inW, 8inF, Variable Ht F/n - 42"
1) CASTING - HOE 525 DBL SET FLAT GRATE (F/G/H)
1) 36" x 84" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
2) Hole - 22

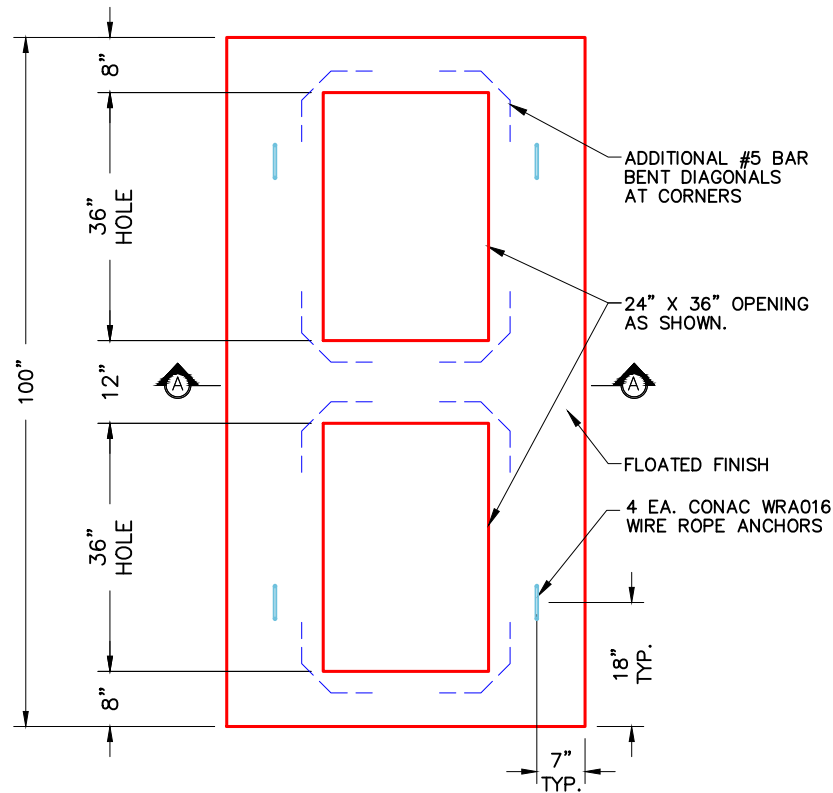
0 lb
2911 lb
10649 lb
442 lb
0 lb
0 lb
0 lb

Structure Total: 14002 lb

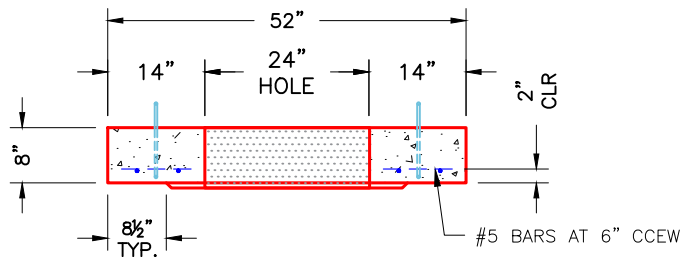
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 DBL SET FLAT GRATE (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.



PLAN VIEW



SECTION A-A

NOTES:

1. MANUFACTURED TO ASTM C-913 (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: Flat

Wall Thickness: 8"

Height (Ext): 8"

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