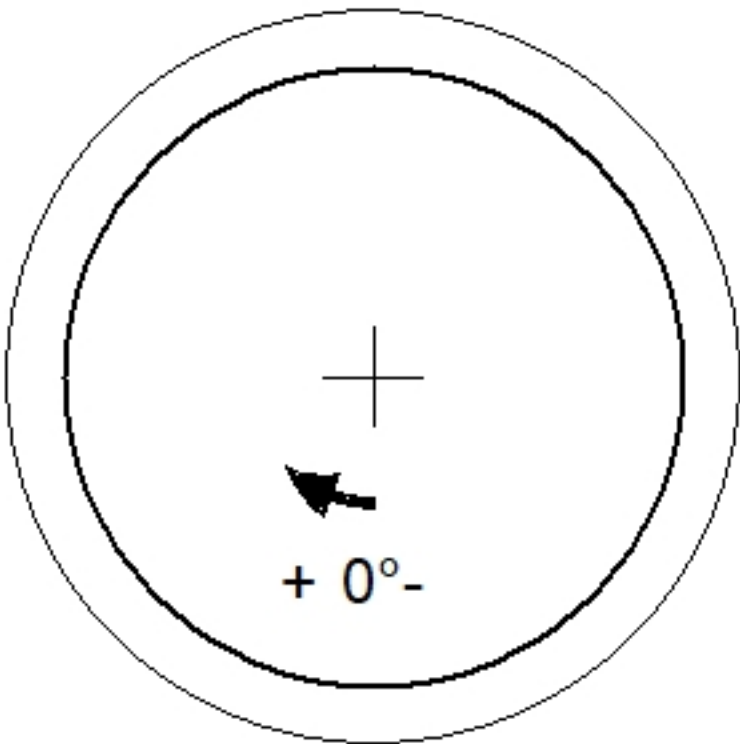
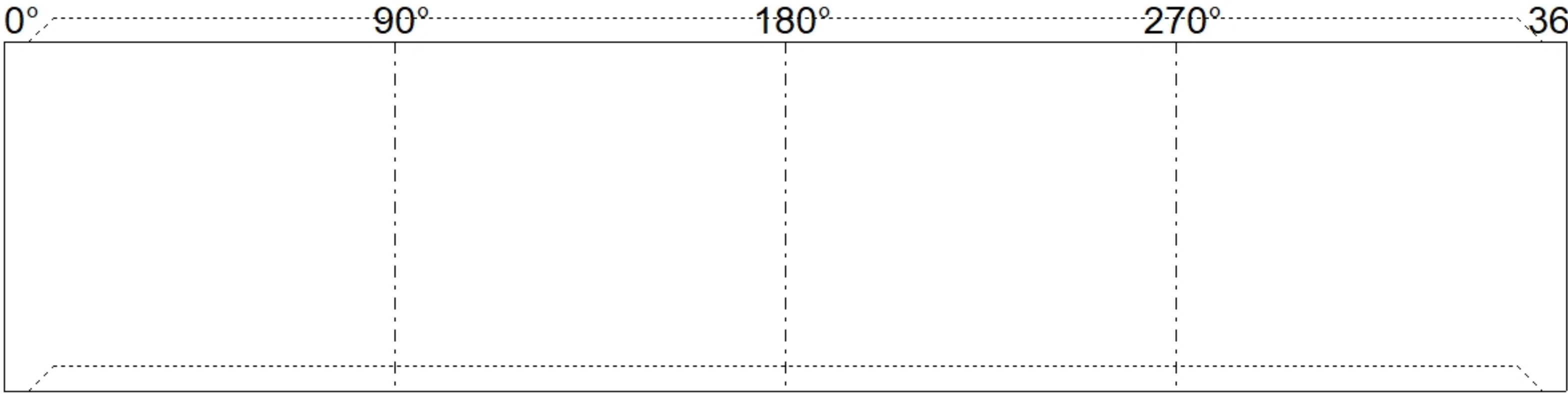


Job Name: 26-3054 ADS Couchville Online Job Location: Nashville, TN Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 7/23/2026 12:30:34 PM		Tech: S. Felletter PC: T. Ryan				
Structure ID: WQU1											
P2		MH120RS84		MH RISER T/G							
P6) 24" - CASTING HEIGHT - 7" P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18" P4) 120" - MH RISER T/G - 24" P3) 120" - MH RISER T/G - 96" P2) 120" - MH RISER T/G - 84" P1) 120" - MH BASE T/n - 24" 1) ASSEMBLY REQUIRED - BRACKETS ONLY 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) 120" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Hole - 34					0 lb 16678 lb 9117 lb 34772 lb 31909 lb 25064 lb 0 lb 0 lb 0 lb 271 lb 0 lb 0 lb 0 lb ----- 117811 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"). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. 5. ASSEMBLY REQUIRED - BRACKETS ONLY. . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .36) - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.				
Rim: 545.95' Rim to Invert: 7.64' Slack: 0.68" Sump: 162" 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): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 11" Floor Height: 0"		Height (Int): 84" Height (Ext): 84"		Weight (Net): 31909 lb Volume (Net): 8.15cu.yd	

Job Name: 26-3046 903454 2026 Street Reconstruction
Job Location: Elk River, MN
Contractor: Contech Engineering Solutions

Plant: Beaver Dam
7/17/2026 1:18:24 PM

Tech: S. Felletter
PC: C. Goff



Structure ID: Riser Set 1

P2 MH036LD10-30ECC

MH FLAT LID w/30in ECC Hole F/G

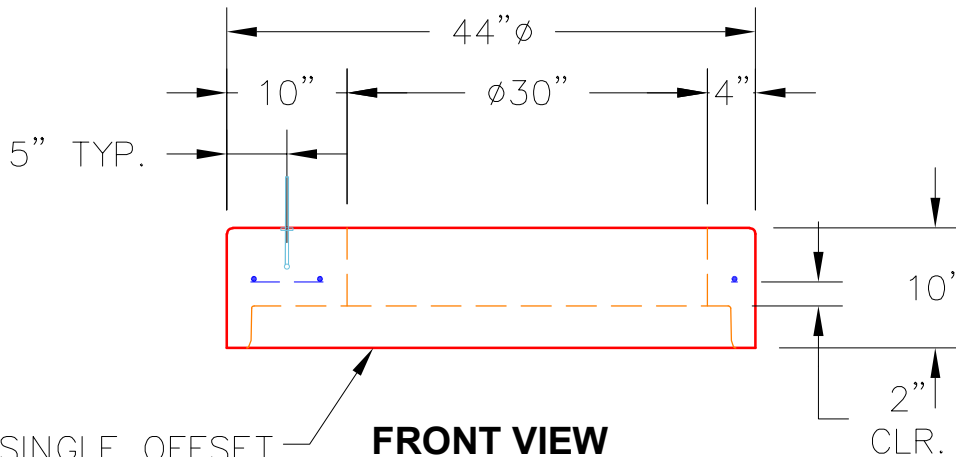
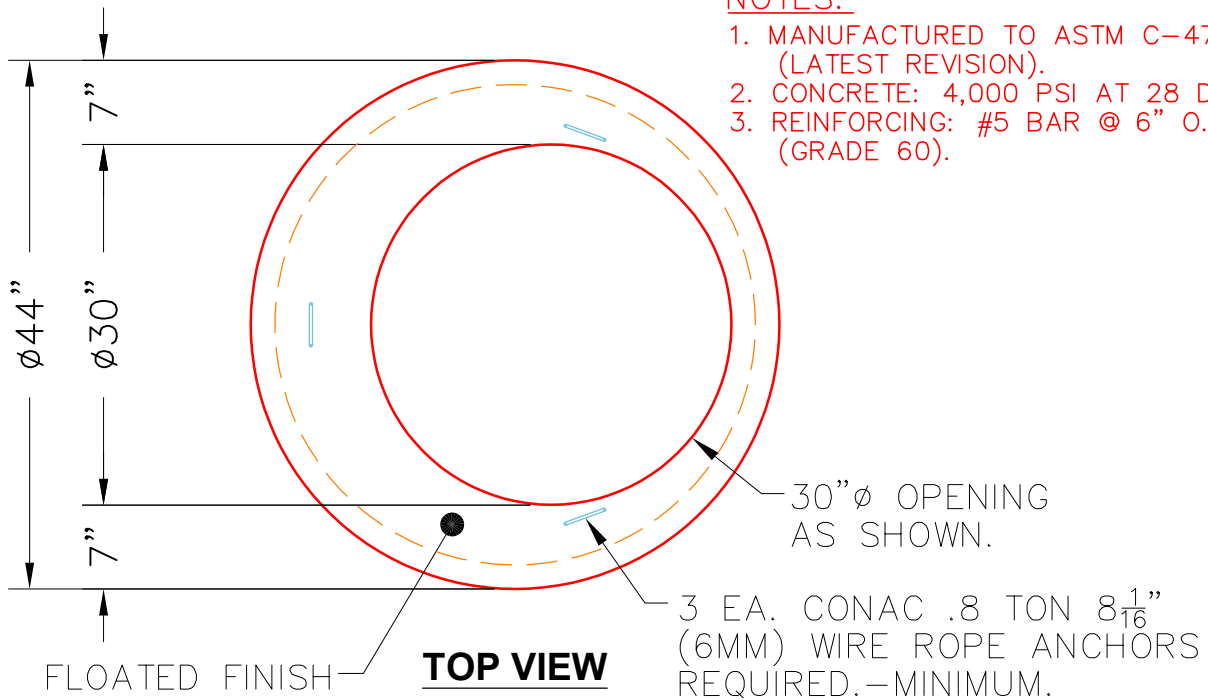
- P4) 30" - CASTING HEIGHT - 4"
P3) 30" - GRADE RING F/F - 3"
P2) 36" - MH FLAT LID w/30in ECC Hole F/G - 10"
P1) 36" - MH RISER T/F - 54"
1) CVSTENCILING
1) 36" - Conseal CS-102 1.00"
5) MH Step ML-10-TDS-NCR - 10"

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)



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 4"

Height (Ext): 10"

Weight (Net): 683 lb
Volume (Net): 0.17cu.yd

Job Name: 26-1787 - Kroger Expansion
Job Location: Murray, KY
Contractor: Parker Excavating, LLC.

Plant: 100

7/22/2026 3:26:57 PM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: C8 ST-CI

P2 MH048LD07S

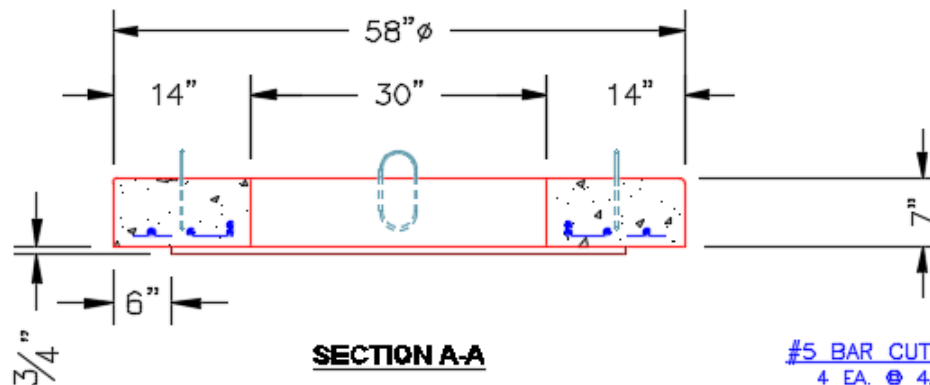
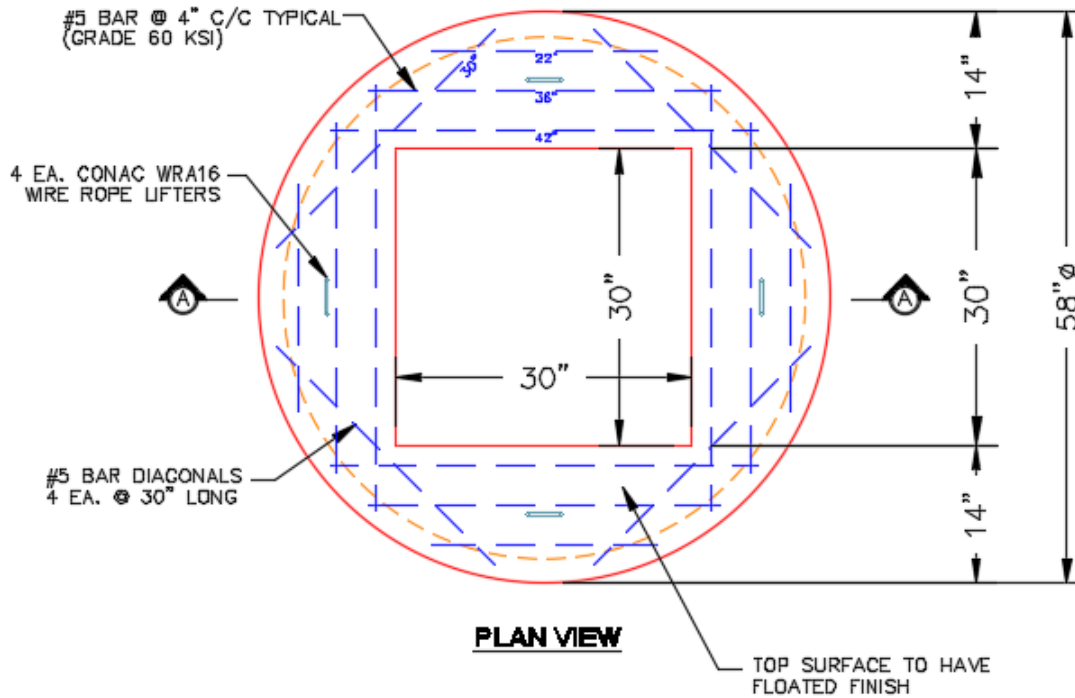
MH FLAT TOP w/30"x30" Hole F/F

- P3) 30" x 30" - CASTING HEIGHT - 6"
P2) 48" - MH FLAT TOP w/30"x30" Hole F/F - 7"
P1) 48" - MH BASE Custom Ht F/n - 40"
1) CASTING - JBS 4310 F/G
1) 48" - Conseal CS-102 1.00"
2) Hole - 30
3) Hole - 6
3) MH Step ML-10-TDS-NCR - 10"

Structure Total: 5221 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (JBS 4310 F/G).
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



#5 BAR CUT LIST

- 4 EA. @ 42"
- 4 EA. @ 36"
- 4 EA. @ 30"
- 4 EA. @ 22"

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 7"

Weight (Net): 1264 lb
Volume (Net): 0.31cu.yd

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

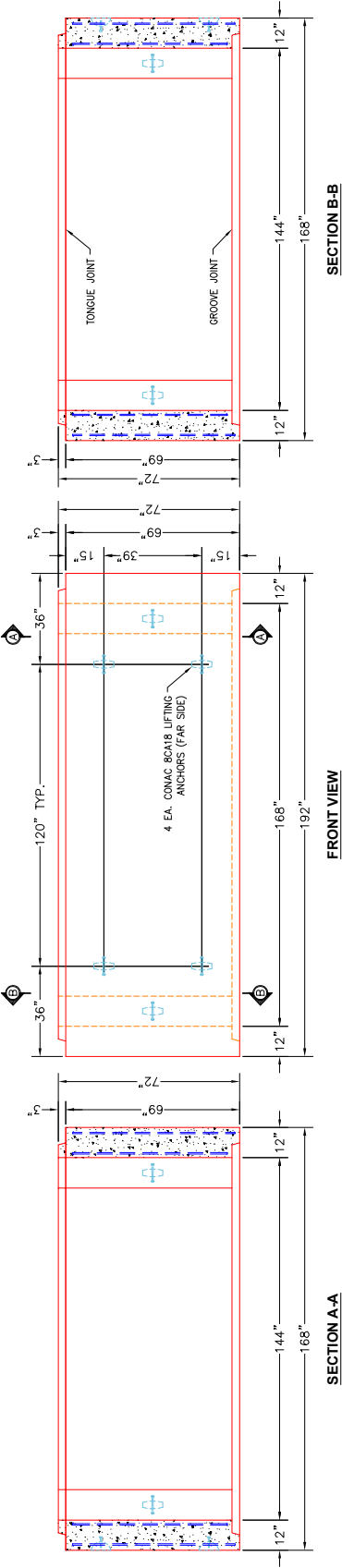
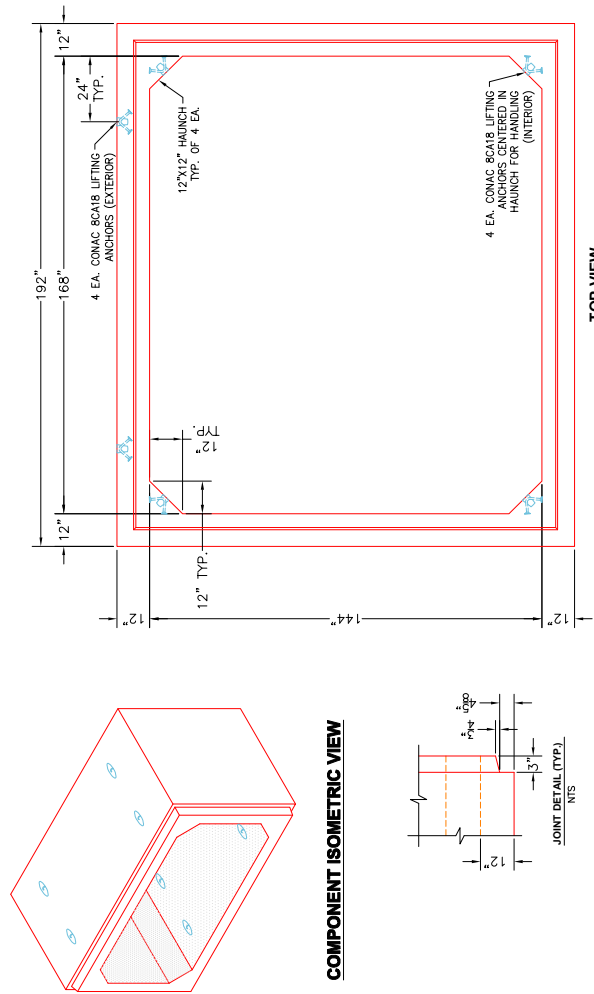
Plant: 100
7/6/2026 1:23:12 PM

Tech: Jared - A
PC: E. Bradley



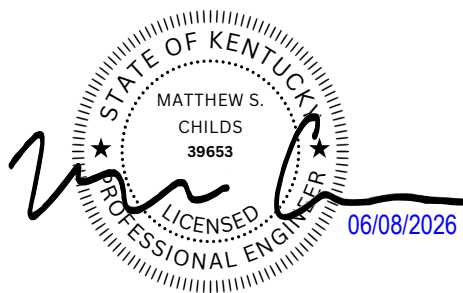
Structure ID: Box Culvert
P6 BC168144-12W12T12F-12H BOX CULVERT (12W/12F/12T) T/G

- NOTES:
- 1. BOX CULVERT IS DESIGNED PER ATTACHED PE STAMPED DRAWINGS & CALCULATIONS.
 - 2. LOAD REQUIREMENTS PER KY-HL93 (KY TABLE 1)
 - 3. COVER DEPTH = 15' - 0"
 - 4. CONCRETE: 5,000 PSI AT 28 DAYS.
 - 5. REINFORCING: AS SHOWN BY MATT CHILDS ENGINEERING.
 - 6. BOX CULVERT TO BE SEALED WITH CS-102 ROLL BUTYL MASTIC & CS-212 12" WRAP. (SUPPLIED BY ICAST).
 - 7. WEIGHT: 48,363 LBS.



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 12" Floor Height: 0"	Height (Int): 69" Height (Ext): 69"	Weight (Net): 48363 lb Volume (Net): 12.35cu.yd
----------------------------------	------------------------------------	---	--	--

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



MATT CHILDS ENGINEERING, PLLC

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

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

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

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

Physical Dimensions

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

Material Properties

Concrete
Strength, f'_c : 5.000 ksi
Density: 0.150 kcf
Elasticity, E_c : 3834 ksi
Type: Normal wt

Steel
Yield, f_y : 65 ksi
Allow Stress: 39 ksi
Elasticity, E_s : 29000 ksi

Soil
Density: 0.120 kcf

Exposure Factor
Class 2 Exposure
Reinforcement Covers
Ext. Cover Top Slab: 1"
Ext. Cover Bottom Slab: 1"
Ext. Cover Walls: 1"
Int. Cover Walls: 1"
Int. Cover Top Slab: 1"
Int. Cover Bottom Slab: 1"

Controlling Ratings

Inventory Rating: 5.85
Operating Rating: 7.59

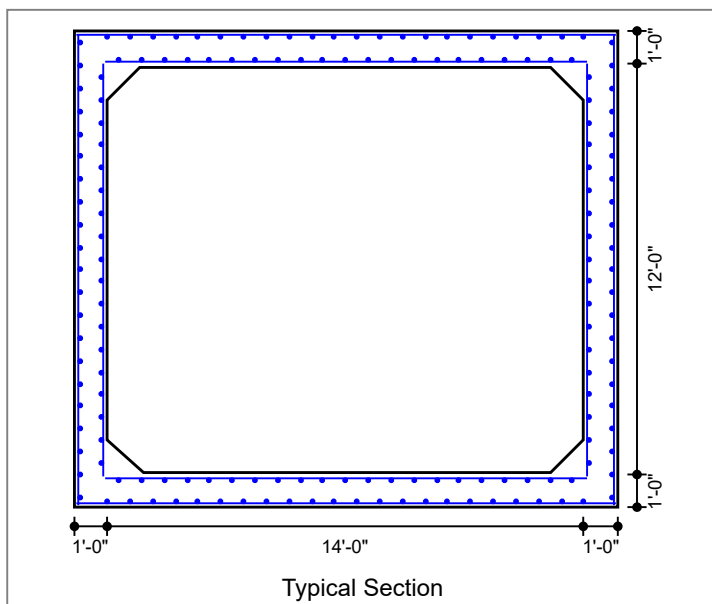
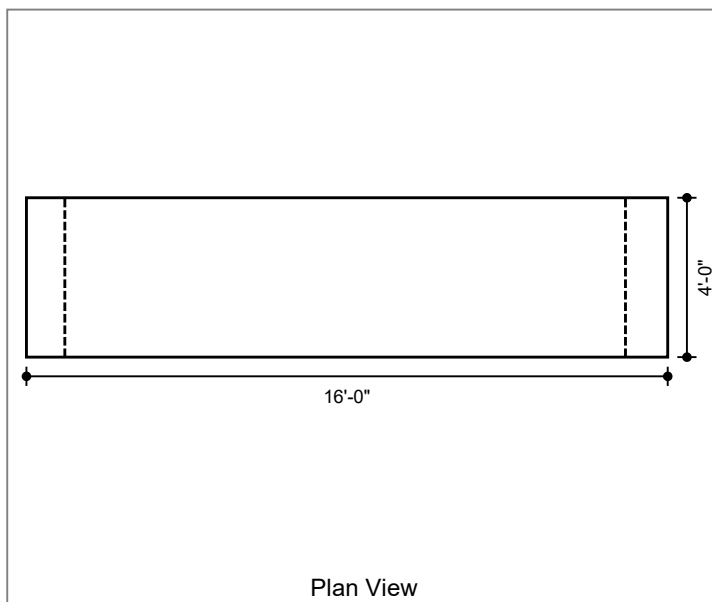
Loads

Live Load
Vehicle Names: HL-93
Traffic Direction: Parallel
Eq. Height of Soil: 2.00 ft (Calc'd)

Dead Load
Future Wearing Surface: 0.000 klf
Additional Dead Load: 0.000 klf
Concentrated Loads: none

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

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



MATT CHILDS ENGINEERING, PLLC

Sht ____ of ____

By:MBJ

Ck:_____

6/5/2026 4:35:09 PM

p. 2 of 2

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

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

Concrete Summary

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

Reinforcing Steel Bar Schedule (lb)

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

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)

Job Location: Indiana, KY

Contractor: Louisville Paving and Construction

Plant: 100

6/17/2026 5:41:14 PM

Tech: J. Horsley - A

PC: J. Jarvis



Structure ID: 132

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 - 11"

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

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

2) Hole - 18

0 lb

532 lb

1421 lb

0 lb

0 lb

Structure Total: 1953 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: 566.45'

Rim to Invert: 3.25'

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

Front

Right (18")

Back (18")

Left

EXT

11"

(P2)

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 11"

Height (Ext): 11"

Weight (Net): 532 lb

Volume (Net): 0.14cu.yd

Job Name: 26-2986 - Gate 7 Basin
Job Location: Fort Campbell, KY 42223
Contractor: Double A Services, Inc.

Plant: 100

Tech: Jared - F

7/29/2026 10:19:51 AM

PC: T. Lewis



Structure ID: OCS-1 ST-CB

P1 BX4848-08BAVF

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

- P3) 48" x 48" - CASTING HEIGHT - 0"
P2) 48" x 48" - BOX RISER 8inW F/G - 60"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht T/n - 46"
1) CASTING - TRASHRACKS LFS-4848-P SQ. Flush Mount Grate
2) 48" x 48" - Conseal CS-102 1.00"
1) Hole - 44
1) Hole - 10
1) Hole - 36

0 lb
8339 lb
8593 lb
289 lb
0 lb
0 lb
0 lb
0 lb
0 lb
17221 lb

Structure Total:

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 (TRASHRACKS LFS-4848-P SQ. FLUSH MOUNT GRATE).

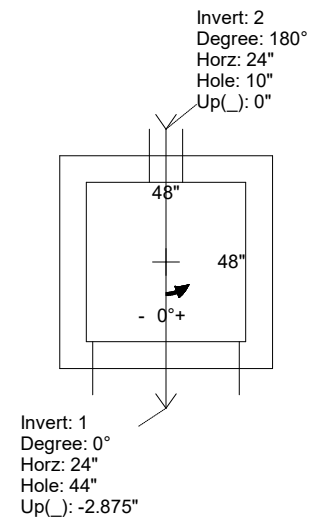
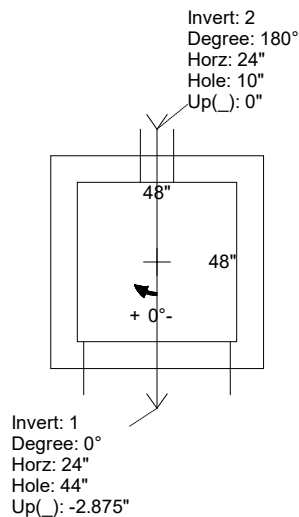
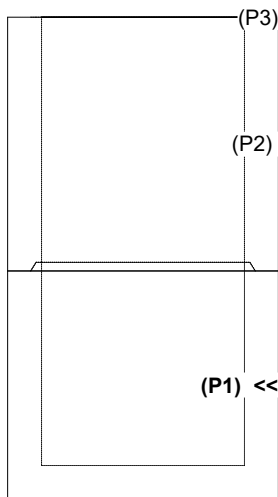
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 552.5' Rim to Invert: 8.89' Slack: 0.68" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	543.61'	0°	32"	36" HDPE	41.7"	Hole 44	44"	44"	-2.875"	0"
Invert 2	543.65'	180°	32"	6" HDPE	6.9"	Hole 10	10"	10"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

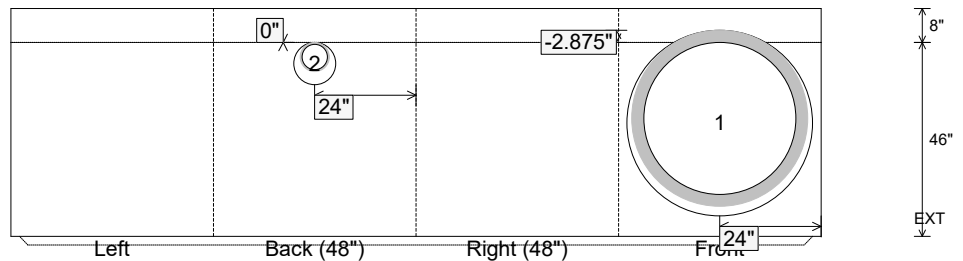
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

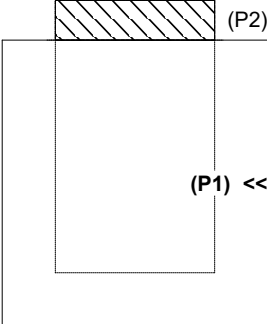
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

Weight (Net): 8593 lb
Volume (Net): 2.19cu.yd

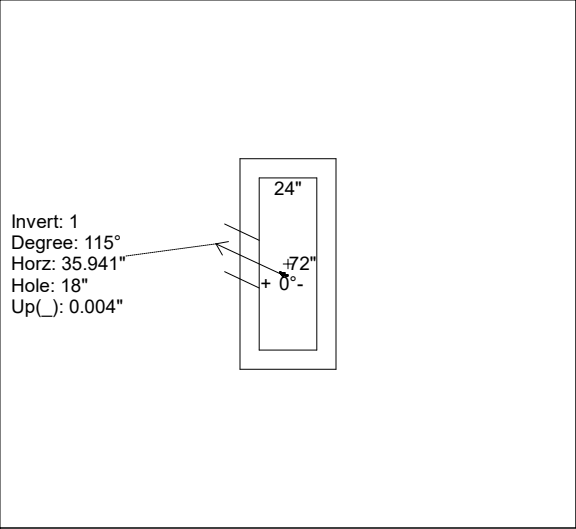
Job Name: 26-2279 - Keenland Trace Unit 14 Job Location: Owensboro, KY Contractor: Winwater Hartford KY Co.				Plant: 100 7/29/2026 2:14:48 PM		Tech: Jared - F PC: A. Chambers				
Structure ID: I-B10 ST-DCI										
P1 BX2472-08BAVF				BOX BASE 8inW, 8inF, Variable Ht						
P2) 24" x 72" - CASTING HEIGHT - 6" P1) 24" x 72" - BOX BASE 8inW, 8inF, Variable Ht - 35" 1) CASTING - HOE 525 DBL SET FLAT GRATE (F/G/H) 1) 24" x 72" - Conseal CS-102 1.00" 1) Hole - 18"					0 lb 7437 lb 442 lb 0 lb 0 lb ----- 0 lb Structure Total: 7879 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). - WALLS (As .12) #5 BARS AT 12" C.C.E.W. - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.			
Rim: 392.39' Rim to Invert: 3.26' Slack: 0.124" Sump: 2.004" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	389.13'	115°	47.671"	12" RCP B WALL	16"	Hole 18	18"	19.861"	0.004"	-5.125"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



(P2)

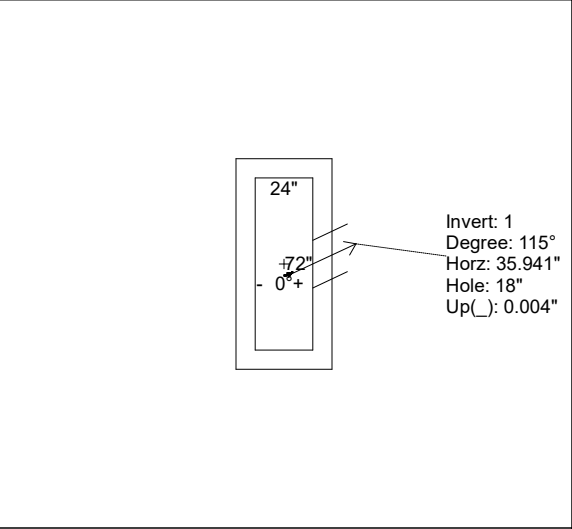
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



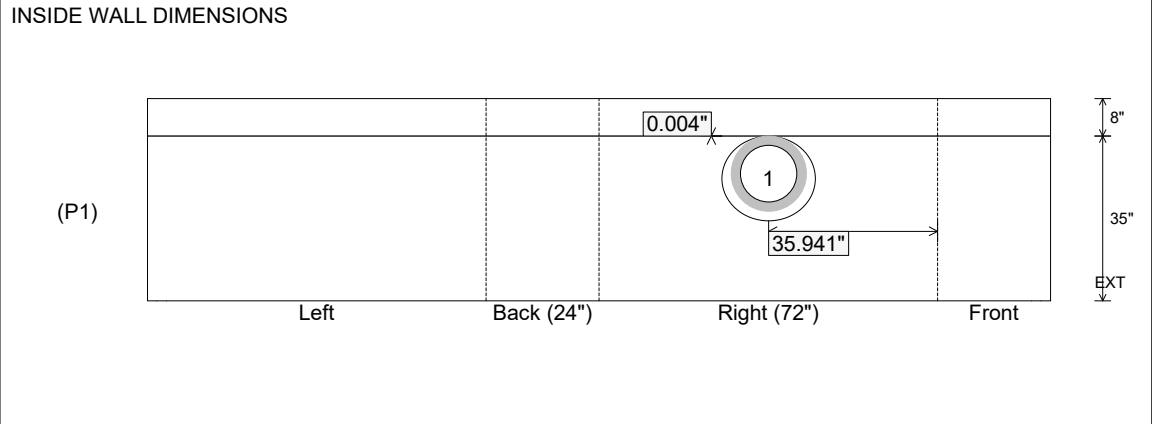
Invert: 1
Degree: 115°
Horz: 35.941"
Hole: 18"
Up(): 0.004"

UPSIDE-DOWN VIEW (int. dimenions)



Invert: 1
Degree: 115°
Horz: 35.941"
Hole: 18"
Up(): 0.004"

INSIDE WALL DIMENSIONS



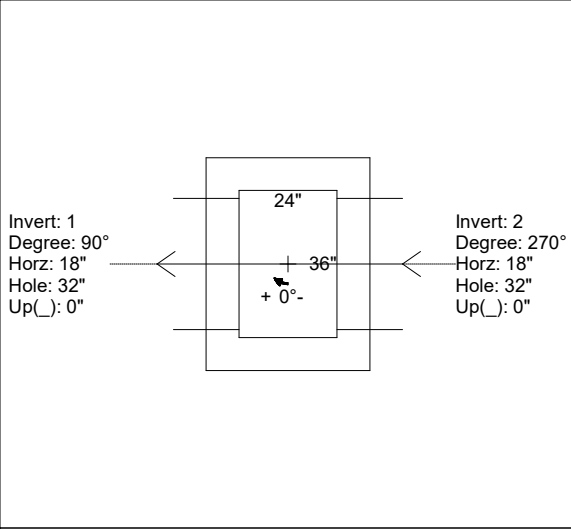
(P1)

Left Back (24") Right (72") Front

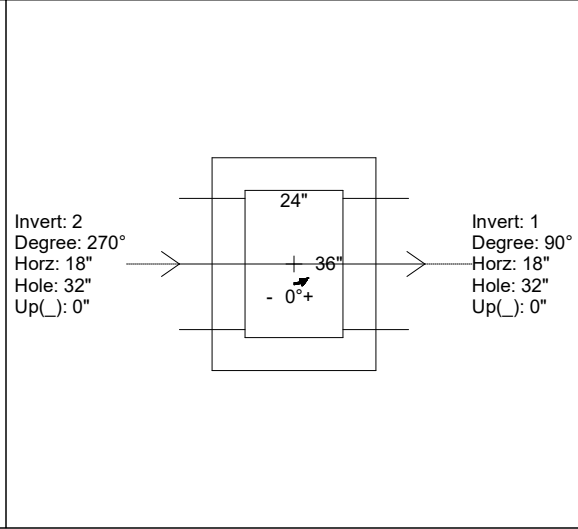
EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 35" Height (Ext): 43"	Weight (Net): 7437 lb Volume (Net): 1.9cu.yd
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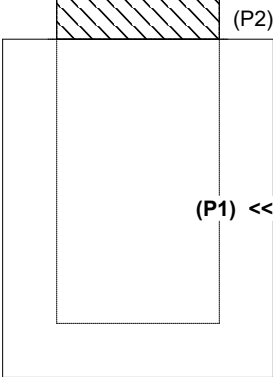
Job Name: 26-2509 - Airpark Expansion Industrial Subdivision Job Location: Owensboro, KY 42301 Contractor: Koberstein Contracting, Inc.					Plant: 100 7/20/2026 10:55:18 AM		Tech: Jared - F PC: A. Chambers					
Structure ID: CC-2 ST-CI												
P1		BX2436-08BA42		BOX BASE 8inW, 8inF F/n								
P2) 24" x 36" - CASTING HEIGHT - 6" P1) 24" x 36" - BOX BASE 8inW, 8inF F/n - 42" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 32					0 lb 4602 lb 442 lb 0 lb 0 lb ----- 0 lb Structure Total: 5044 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 SET FLAT GRATE (F/G/H)). 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: 393.99'					Rim to Invert: 3.81'		Slack: 0.72"		Sump: 3"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	390.18'	90°	26"	24" RCP B WALL	30"	Hole 32	32"	32"	0"	0"		
Invert 2	390.18'	270°	26"	24" RCP B WALL	30"	Hole 32	32"	32"	0"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												



RIGHT-SIDE UP VIEW (int. dimensions)

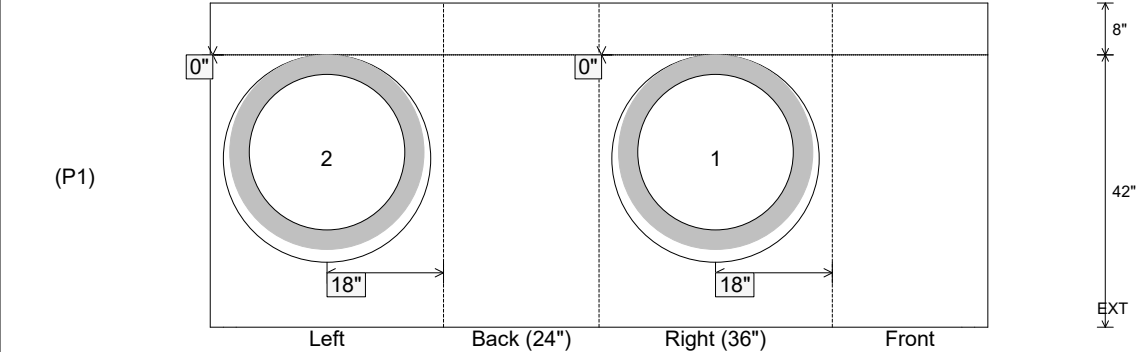


UPSIDE-DOWN VIEW (int. dimensions)



(P1) << (P2)

INSIDE WALL DIMENSIONS



(P1)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 42" Height (Ext): 50"	Weight (Net): 4602 lb Volume (Net): 1.18cu.yd
----------------------------------	-------------------------------	--	--	--

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

Plant: 100
7/9/2026 2:51:30 PM

Tech: Jared - A
PC: Thomas Ryan



Structure ID: K

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 - 26
1) Hole - 24

0 lb
4103 lb
442 lb
0 lb
0 lb
0 lb

Structure Total: 4545 lb

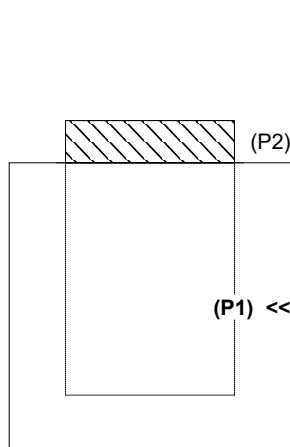
Structure Notes:
PLAN LABEL: K
1. HOE 525 SET (F/G/H) PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. NO INVERT CHANNEL.
5. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 689.94' 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	686.68'	90°	26"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 2	686.68'	270°	26"	18" HDPE	21.2"	Hole 24	24"	24"	-1.6"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



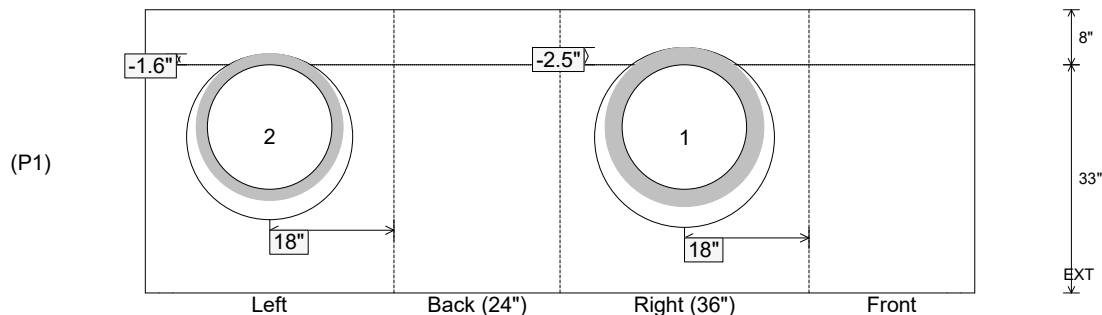
Invert: 1
Degree: 90°
Horz: 18"
Hole: 26"
Up(): -2.5"

Invert: 2
Degree: 270°
Horz: 18"
Hole: 24"
Up(): -1.6"

Invert: 2
Degree: 270°
Horz: 18"
Hole: 24"
Up(): -1.6"

Invert: 1
Degree: 90°
Horz: 18"
Hole: 26"
Up(): -2.5"

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

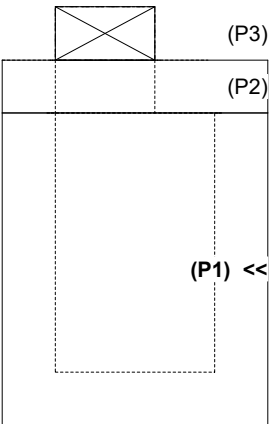
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

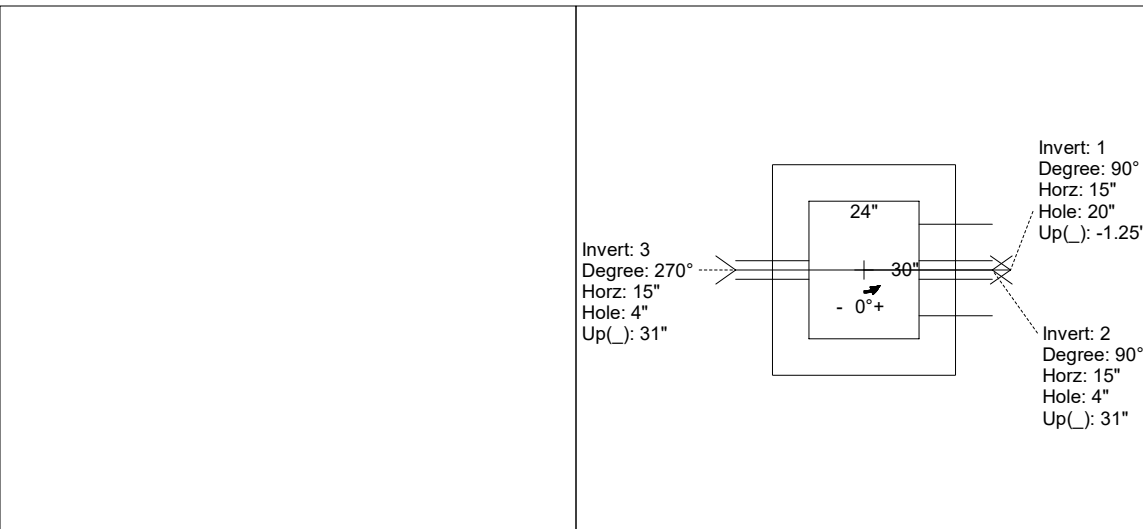
Weight (Net): 4103 lb
Volume (Net): 1.05cu.yd

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 7:36:06 AM		Tech: J. Horsley PC: C. Goff				
Structure ID: 227										
P1 BX24300808VF				BOX BASE 8inW, 8inF, Variable Ht F/n						
P3) 15" x 27" - P.I.P. - BY OTHERS - 8" P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8" P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht F/n - 39" 1) CASTING - HOE KY-230-G F/G (GRADE) 1) 24" x 30" - Conseal CS-102 1.00" 1) Hole - 20 2) Hole - 4						0 lb 963 lb 4673 lb 237 lb 0 lb 0 lb 0 lb Structure Total: 5873 lb		Structure Notes: ** KYTC STATE PROJECT ** STATION: 421+90 RT 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 ICAST - POURED IN PLACE BY OTHERS		
Rim: 551.9' Rim to Invert: 4.61' Slack: 0.32" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (")	Offset
Invert 1	547.29'	90°	23"	15" HDPE	17.6"	Hole 20	20"	20"	-1.25"	0"
Invert 2	549.87'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	31"	0"
Invert 3	549.87'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	31"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

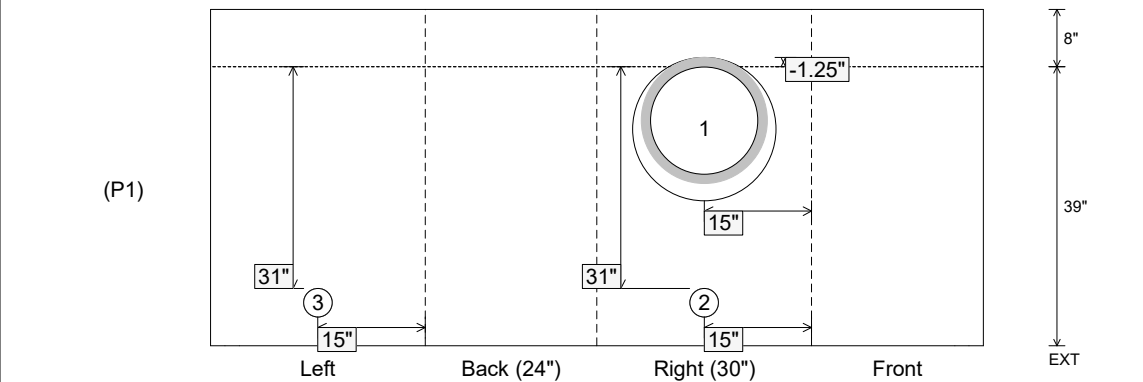


RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 39" Height (Ext): 47"	Weight (Net): 4673 lb Volume (Net): 1.19cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

6/4/2026 4:52:32 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 579

P1BX2436-08BVF

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

P3) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10"

P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 33"

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

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

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

2) Hole - 24

2) Hole - 8

3400 lb

5270 lb

4089 lb

206 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 12964 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: 871.6'

Rim to Invert: 5.09'

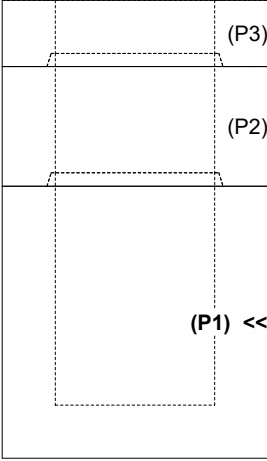
Slack: 0.08"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	866.51'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	866.51'	270°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 3	868.43'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"
Invert 4	868.43'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

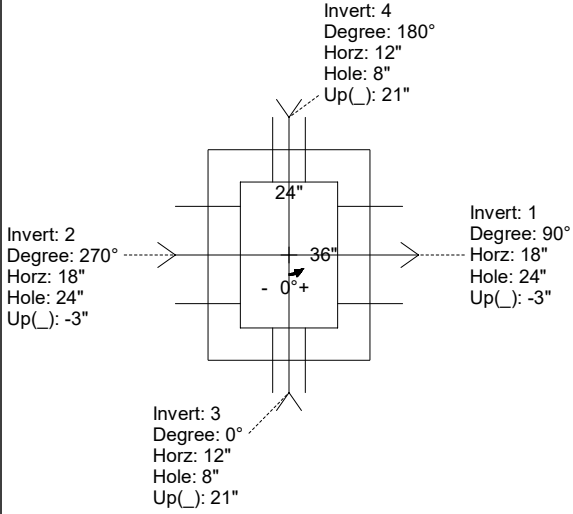


(P3)

(P2)

(P1) <<

UPSIDE-DOWN VIEW (int. dimensions)



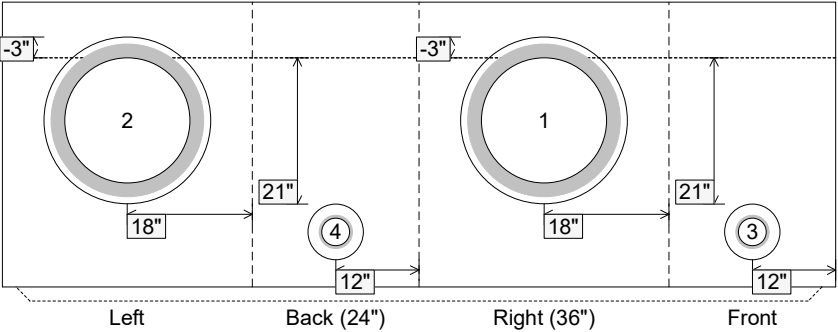
Invert: 4
Degree: 180°
Horz: 12"
Hole: 8"
Up(): 21"

Invert: 2
Degree: 270°
Horz: 18"
Hole: 24"
Up(): -3"

Invert: 1
Degree: 90°
Horz: 18"
Hole: 24"
Up(): -3"

Invert: 3
Degree: 0°
Horz: 12"
Hole: 8"
Up(): 21"

INSIDE WALL DIMENSIONS



(P1)

Left

Back (24")

Right (36")

Front

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 33"

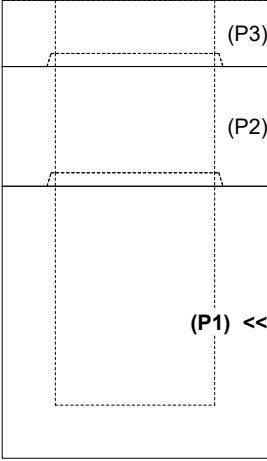
Height (Ext): 41"

Weight (Net): 4089 lb

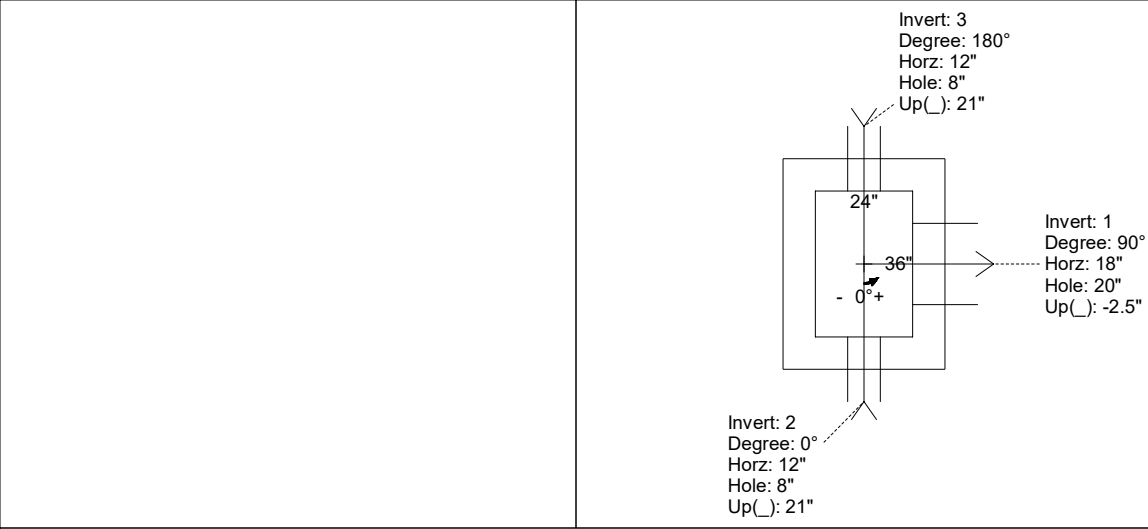
Volume (Net): 1.04cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/4/2026 4:52:29 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 561											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht T/n							
P3) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 33" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 20 2) Hole - 8					3400 lb 5270 lb 4485 lb 206 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 13361 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: 865.31' Rim to Invert: 5.09' Slack: 0.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	860.22'	90°	26"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"	
Invert 2	862.14'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"	
Invert 3	862.14'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

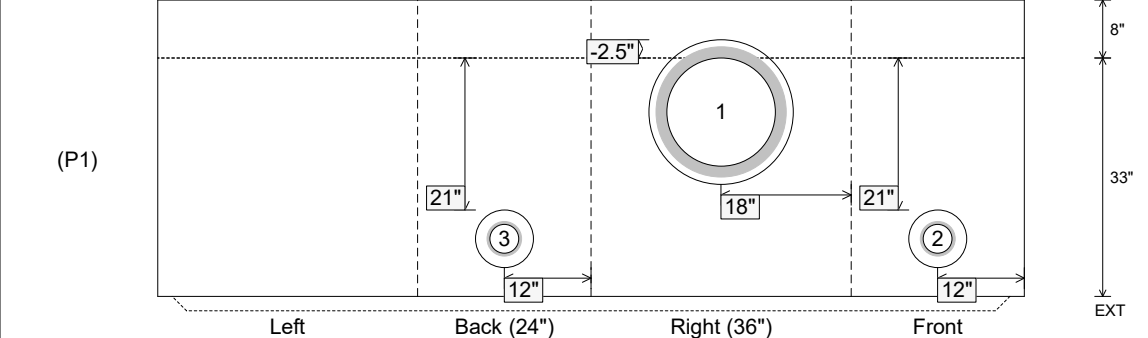
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

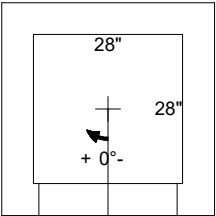


INSIDE WALL DIMENSIONS

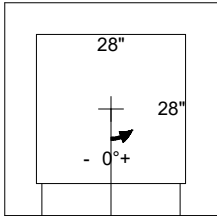


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 33" Height (Ext): 41"	Weight (Net): 4485 lb Volume (Net): 1.15cu.yd
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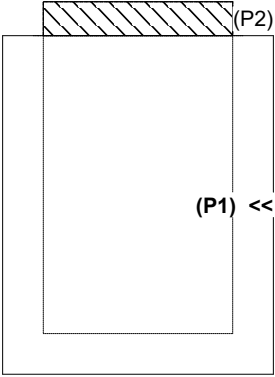
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:16 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R29											
P1		BX28280606VH									
BOX BASE 6inW, 6inF, Variable Ht F/n											
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 44" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 26"					0 lb 3551 lb 450 lb 250 lb 0 lb 0 lb ----- 4251 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: 578.51' Rim to Invert: 3.88' Slack: 0.06" Sump: 2.5" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	574.63'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

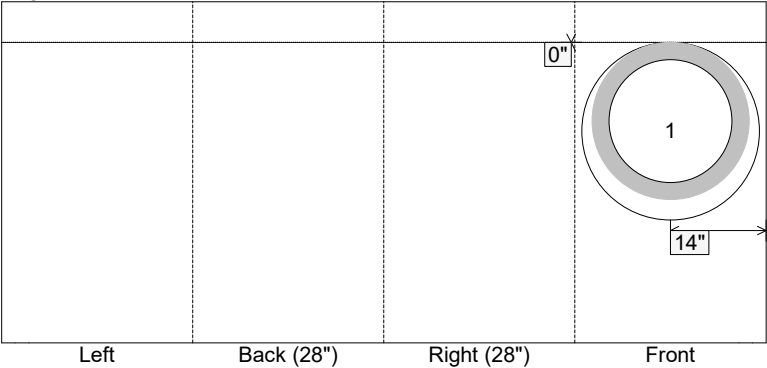


UPSIDE-DOWN VIEW (int. dimenions)



(P1) <<

INSIDE WALL DIMENSIONS



(P1)

Left Back (28") Right (28") Front

EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 44" Height (Ext): 50"	Weight (Net): 3551 lb Volume (Net): 0.91cu.yd
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Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:37:16 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R29

P1 BX28280606VH

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

P2) 28" x 28" - CASTING HEIGHT - 5"

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

1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK

1) CASTING - JBS 3104-V SINGLE SET

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

1) Hole - 26

0 lb

3551 lb

450 lb

250 lb

0 lb

0 lb

Structure Total: 4251 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.

Invert channel drawing

4" Thick flat storm invert

Rim: 578.51'

Rim to Invert: 3.88'

Slack: 0.06"

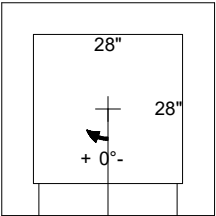
Sump: 2.5"

Step Position:

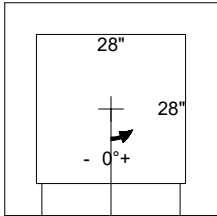
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	574.63'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

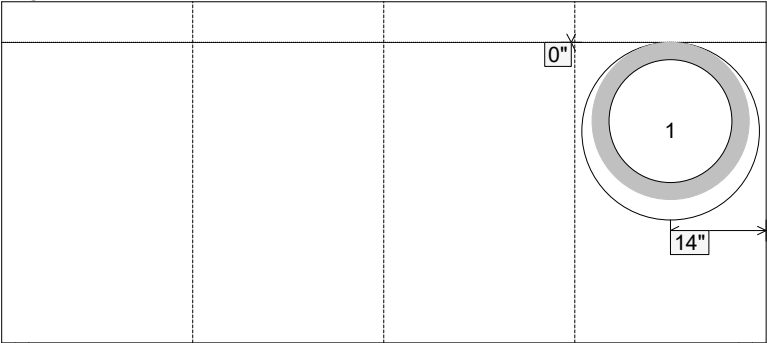


Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(_): 0"



Invert: 1
Degree: 0°
Horz: 14"
Hole: 26"
Up(_): 0"

INSIDE WALL DIMENSIONS



6"
44"
14"
0"
EXT

Left

Back (28")

Right (28")

Front

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 6"

Height (Int): 44"

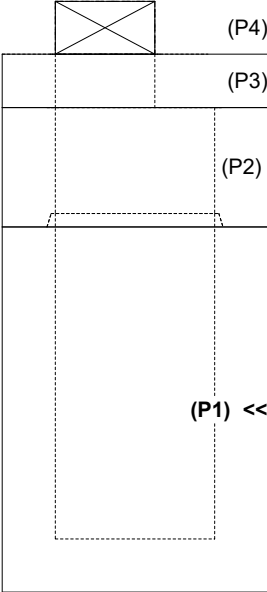
Height (Ext): 50"

Weight (Net): 3551 lb

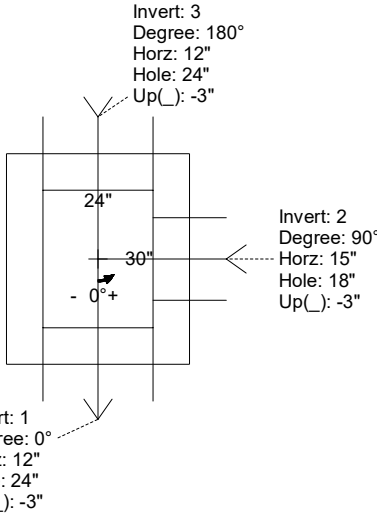
Volume (Net): 0.91cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction				Plant: 100 6/12/2026 3:09:59 PM		Tech: J. Horsley - A PC: J. Jarvis					
Structure ID: 62											
P1 BX24300808VF				BOX BASE 8inW, 8inF, Variable Ht T/n							
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 - 47" 2) 24" x 30" - Conseal CS-102 1.00" 1) 15" x 27" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 18 2) Hole - 4				0 lb 963 lb 1675 lb 5026 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 7664 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: 552.16'				Rim to Invert: 6.75'		Slack: 0"		Sump: 0"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	545.41'	0°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"	
Invert 2	545.41'	90°	23"	12" HDPE	14.5"	Hole 18	18"	18"	-3"	0"	
Invert 3	545.41'	180°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-3"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

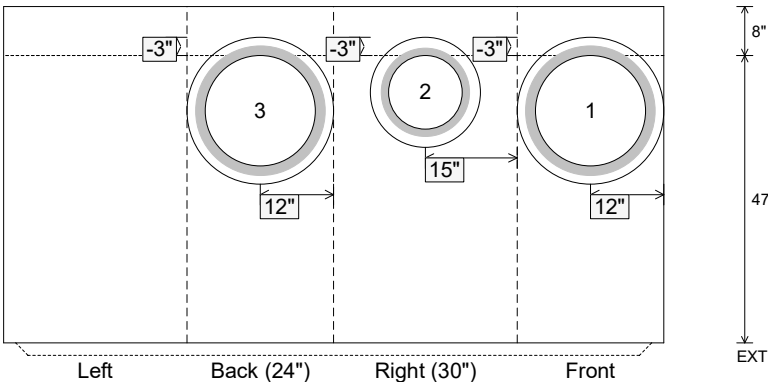
RIGHT-SIDE UP VIEW (int. dimensions)



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): 47" Height (Ext): 55"	Weight (Net): 5026 lb Volume (Net): 1.28cu.yd
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Job Name: 25-3195 - The Banks Lift Station and Forcemain
Job Location: Gallatin, TN
Contractor: W&O Construction

Plant: 100

5/28/2026 6:53:43 PM

Tech: Jared - F

PC: A. Chambers



Structure ID: VAULT w/METER

P2 BX048048-08LD08S-CDARED

CB FLAT TOP 8"W w/24"X24" Hatch w/ConBlock-CDA Red F/F

- P3) 24" x 24" - HATCH (CAST FLUSH) - 3"
P2) 48" x 48" - CB FLAT TOP 8"W w/24"X24" Hatch w/ConBlock-CDA Red F/F - 8"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht w/CONBLOCK CDA RED F/n - 56"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ADMIXTURE CONBLOCK CDA RED
1) HATCH (Alum.) - HALLIDAY W1S 24"x24"
1) 48" x 48" - Conseal CS-231 1.00" (Double)
1) 24" x 24" - Conseal CS-231 1.00" (Double)
2) PSX - 12M NYLO

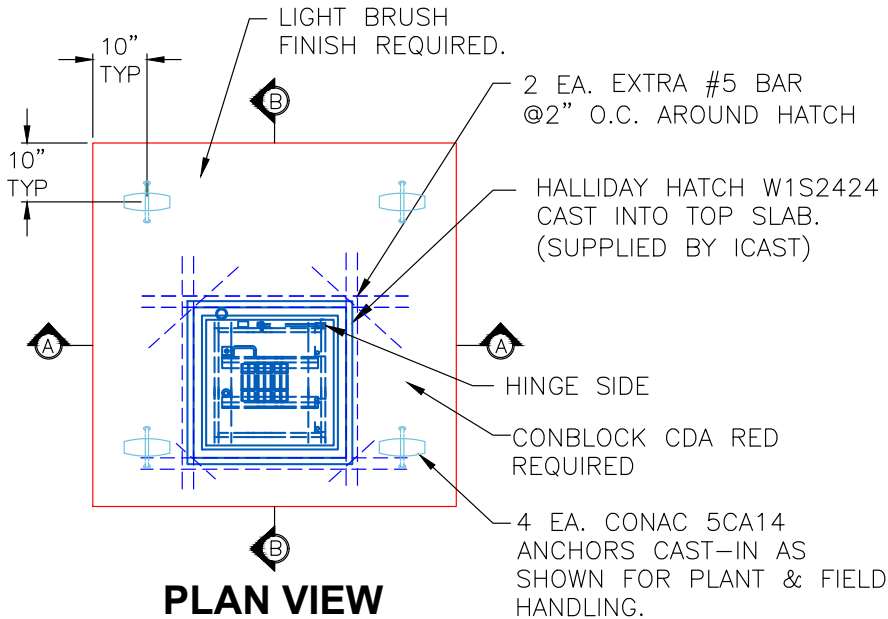
100 lb
2363 lb
11019 lb
0 lb
0 lb
0 lb
46 lb
0 lb
0 lb
16 lb

Structure Total: 13543 lb

Structure Notes:

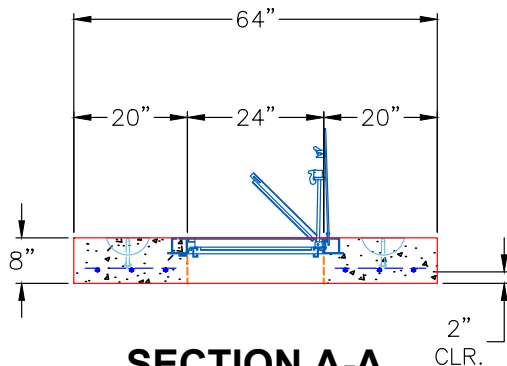
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. HATCH SUPPLIED BY ICAST (HALLIDAY W1S 24"x24").

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .47) #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.

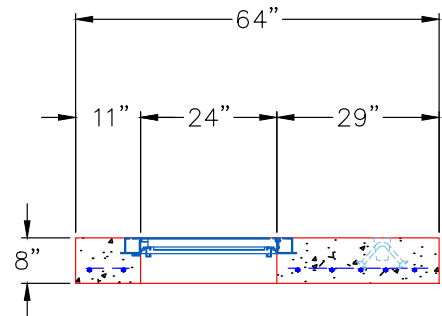


GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" E.W. O.C. (GRADE 60).
4. HATCH: W1S 24"X24" ALUMINUM HATCH SUPPLIED BY ICAST.
5. HATCH TO BE CAST INTO TOP OF LID.
6. ALL SECTION REQUIRE CONBLOCK CDA RED ADMIXTURE



SECTION A-A
(RIGHT-SIDE-UP VIEW)



SECTION B-B
(RIGHT-SIDE-UP VIEW)

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 2363 lb
Volume (Net): 0.6cu.yd

Job Name: 25-3195 - The Banks Lift Station and Forcemain
Job Location: Gallatin, TN
Contractor: W&O Construction

Plant: 100
5/28/2026 6:53:42 PM

Tech: Jared - F
PC: A. Chambers



Structure ID: VALVE VAULT

P2 BX072096-08LD08S-CDARED

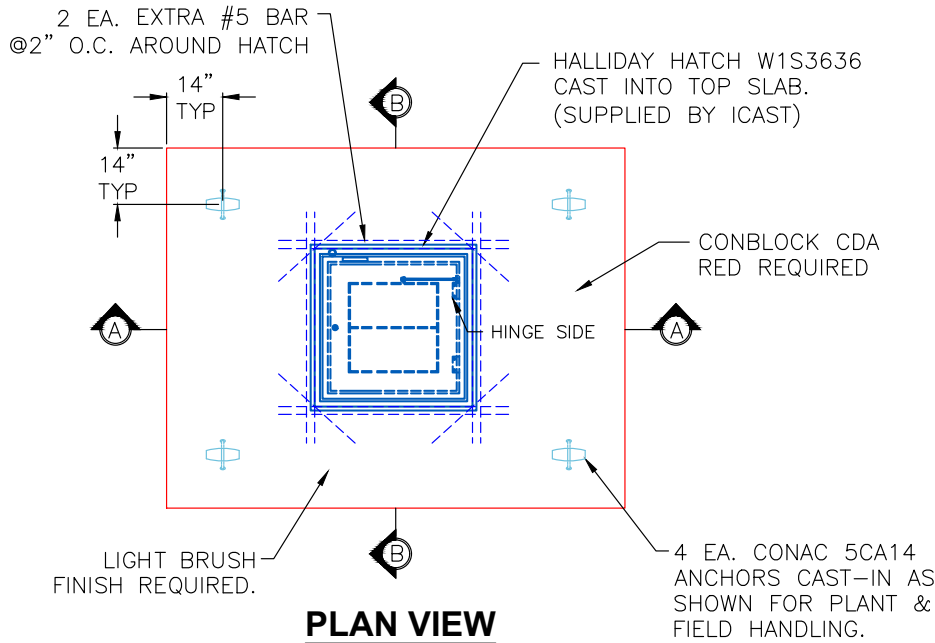
BX FLAT TOP 8"W w/36"x36" HATCH w/CONBLOCK CDA RED F/F

- P3) 36" x 36" - HATCH (CAST FLUSH) - 3"
P2) 72" x 96" - BX FLAT TOP 8"W w/36"x36" HATCH w/CONBLOCK CDA RED F/F - 8"
P1) 72" x 96" - BOX BASE 8inW, 8inF, Variable Ht w/CONBLOCK CDA RED F/n - 56"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) ADMIXTURE CONBLOCK CDA RED
1) HATCH (Alum.) - HALLIDAY W1S 36"x36"
1) 72" x 96" - Conseal CS-231 1.00" (Double)
1) 36" x 36" - Conseal CS-231 1.00" (Double)
3) PSX - 12M NYLO

100 lb
5746 lb
20223 lb
0 lb
0 lb
0 lb
78 lb
0 lb
0 lb
24 lb

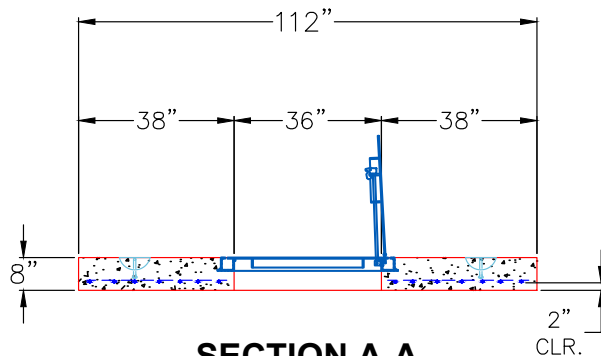
Structure Total: 26171 lb

- Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 5,000 PSI AT 28 DAYS.
 3. ADMIXTURE = CONBLOCK CDA RED.
 4. HATCH SUPPLIED BY ICAST (HALLIDAY W1S 36"x36").
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.



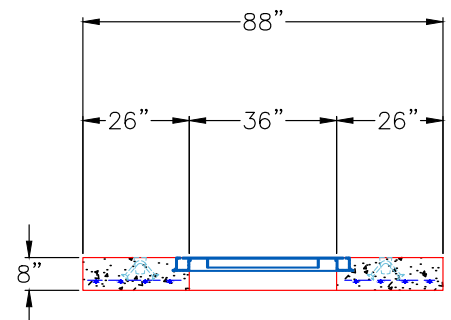
GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" E.W. O.C. (GRADE 60).
4. HATCH: W1S 36"x36" ALUMINUM HATCH SUPPLIED BY ICAST.
5. HATCH TO BE CAST INTO TOP OF LID.
6. ALL SECTION REQUIRE CONBLOCK CDA RED ADMIXTURE



SECTION A-A

(RIGHT-SIDE-UP VIEW)



SECTION B-B

(RIGHT-SIDE-UP VIEW)

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 5746 lb
Volume (Net): 1.47cu.yd

