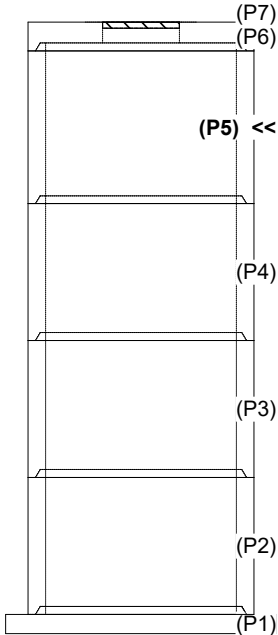
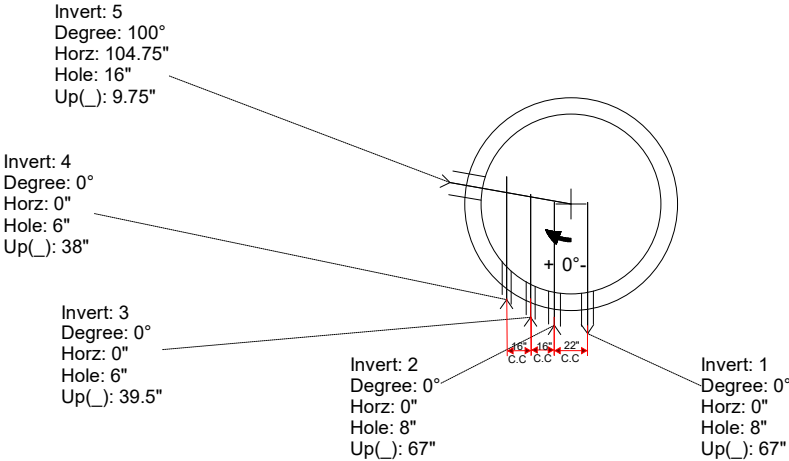
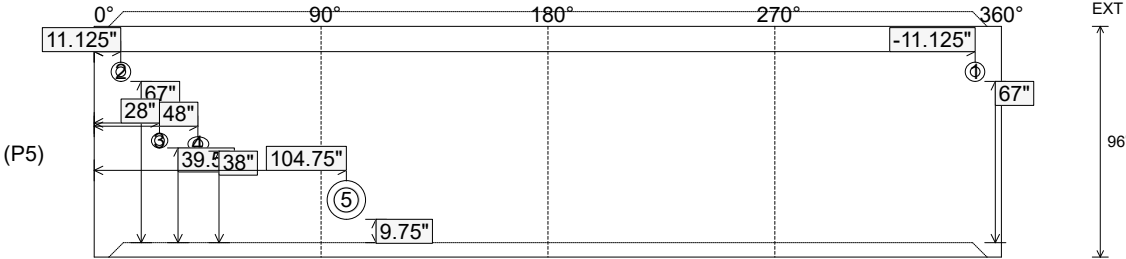


Job Name: 25-3195 - The Banks Lift Station and Forcemain	Plant: 100	Tech: Jared - F	
Job Location: Gallatin, TN	5/28/2026 6:53:26 PM	PC: A. Chambers	
Contractor: W&O Construction			
Structure ID: WET WELL			
P5 MH120RS96CDARED		MH RISER w/CONBLOCK CDA RED T/G	

P7) 48" x 48" - HATCH (CAST FLUSH) - 3.75"	100 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 W2S 48"x48"). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB TOP LAYER = #4 BARS AT 12" C.C.E.W. - TOP SLAB BTM LAYER = #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .30) - BOTTOM SLAB TONGUE = #5 BARS AT 6" C.C.E.W. - BOTTOM SLAB = #6BARS AT 6" C.C.E.W. (DOUBLE MAT)
P6) 120" - MH FLAT TOP w/48"x48" Hatch w/ConBlock-CDA Red F/G - 18"	14814 lb	
P5) 120" - MH RISER w/CONBLOCK CDA RED T/G - 96"	36124 lb	
P4) 120" - MH RISER Custom Ht w/CONBLOCK CDA RED T/G - 86"	32669 lb	
P3) 120" - MH RISER Custom Ht w/CONBLOCK CDA RED T/G - 86"	32669 lb	
P2) 120" - MH RISER Custom Ht w/CONBLOCK CDA RED T/G - 86"	32669 lb	
P1) 120" - MH SEPARATE BASE-T EXT. 14" (170" OD) w/CONBLOCK CDA RED T/n - 12"	29640 lb	
1) JOINT WRAP - 12" WD x 120" MAC WRAP	0 lb	
1) ADMIXTURE CONBLOCK CDA RED	0 lb	
1) HATCH (Alum.) - HALLIDAY W2S 48"x48"	126 lb	
5) 120" - Conseal CS-231 1.00" (Double)	0 lb	
1) 48" x 48" - Conseal CS-231 1.00" (Double)	0 lb	
2) Hole - 8	0 lb	
2) Hole - 6	0 lb	
1) PSX - 16Y NYLO	8 lb	
Rim: 458.5' Rim to Invert: 7.94' Slack: 0" Sump: 276.72' Structure Total: 178819 lb Step Position:		

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	455.25'	0°	-11"	4" PVC SDR35	4.25"	Hole 8	8"	8.145"	67"	-11"
Invert 2	455.25'	0°	11"	4" PVC SDR35	4.25"	Hole 8	8"	8.145"	67"	11"
Invert 3	452.87'	0°	27.75"	4" PVC SDR35	4.25"	Hole 6	6"	6.725"	39.5"	27"
Invert 4	452.75'	0°	46.25"	4" PVC SDR35	4.25"	Hole 6	6"	8.634"	38"	43"
Invert 5	450.56'	100°	123.875"	10" PVC SDR26	10.5"	PSX 16Y NYLO	16"	16.048"	9.75"	0"
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): 96" Height (Ext): 96"	Weight (Net): 36124 lb Volume (Net): 9.23cu.yd

Job Name: 26-1453 Clarksville, TN SPC13A
Job Location: Clarksville, TN
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam

Tech: J. Coppage

6/18/2026 7:40:18 AM

PC: C. Goff



Structure ID: 13A-SS-MH-004

P5 MH060LD13CDARED

MH FLAT TOP w/24" Hole ECC w/ConBlock-CDA Red

- P6) 24" - CASTING HEIGHT - 6"
P5) 60" - MH FLAT TOP w/24" Hole ECC w/ConBlock-CDA Red - 13"
P4) 60" - MH RISER w/ConBlock-CDA Red - 36"
P3) 60" - MH RISER SPECIAL w/ConBlock-CDA Red - 72"
P2) 60" - MH RISER w/ConBlock-CDA Red - 48"
P1) 60" - MH BASE w/ConBlock-CDA Red - 30"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 60" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT
4) 60" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) A-Lok - 0285
1) A-Lok - 0410
2) A-Lok - 0200
15) MH Step ML-10-TDS-NCR - 10"

0 lb
2800 lb
3758 lb
7440 lb
5011 lb
5752 lb
0 lb
0 lb
2962 lb
0 lb
0 lb
2 lb
1 lb
2 lb
0 lb

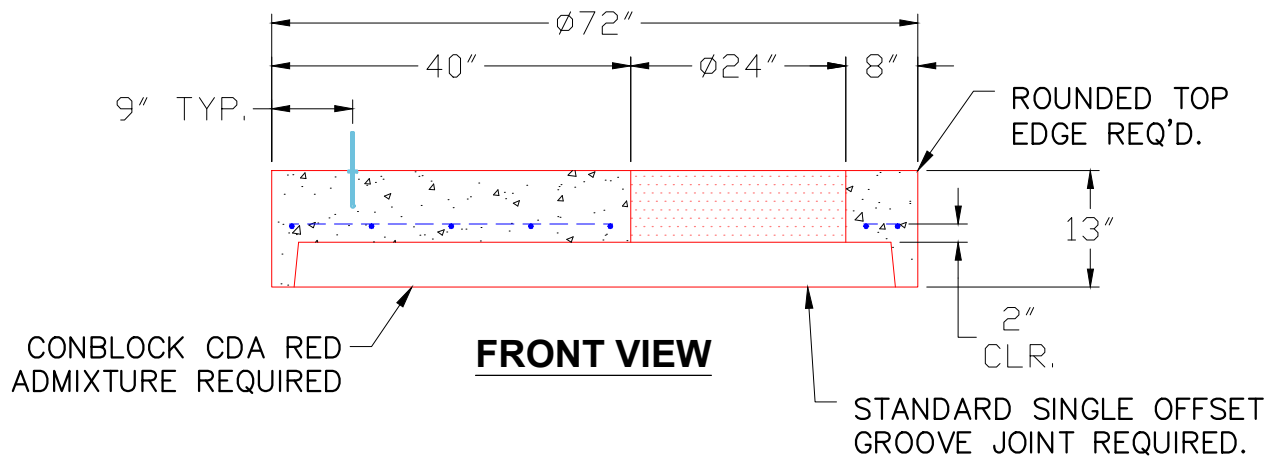
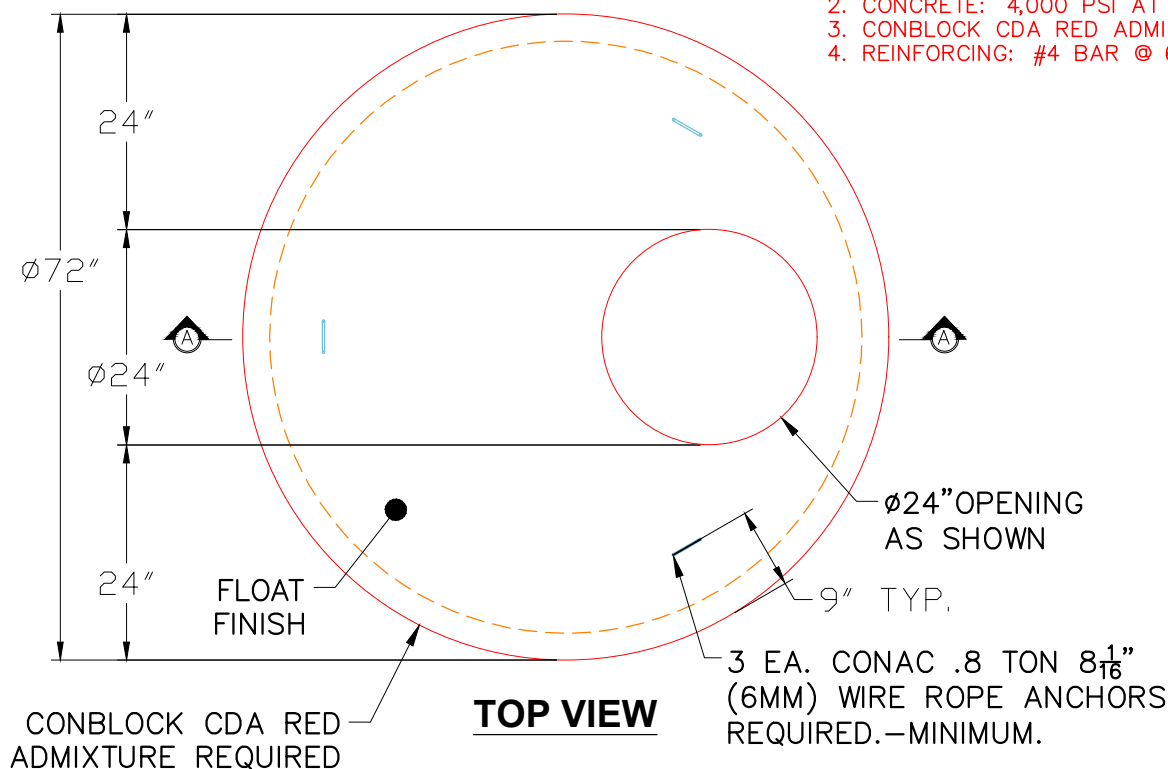
Structure Total: 27728 lb

Structure Notes:

1. JBS-1155 SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. CONBLOCK CDA RED ADMIXTURE REQUIRED.
4. 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): 2800 lb
Volume (Net): 0.69cu.yd

Job Name: 26-1227 - Project Colt
Job Location: Evansville, IN
Contractor: Russell's Excavating

Plant: 100

5/12/2026 11:30:53 AM

Tech: Jared - F
PC: A. Chambers



Structure ID: 101-11 MHJ

P2 MH060LD08-24X36RECT

MH FLAT TOP w/24"x36" Hole F/F

- P3) 24" x 36" - CASTING HEIGHT - 4"
P2) 60" - MH FLAT TOP w/24"x36" Hole F/F - 8"
P1) 60" - MH BASE F/n - 60"
1) CASTING - HOE 518 F/G
1) 60" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 44
1) Hole - 38
2) Hole - 6
5) MH Step ML-10-TDS-NCR - 10"

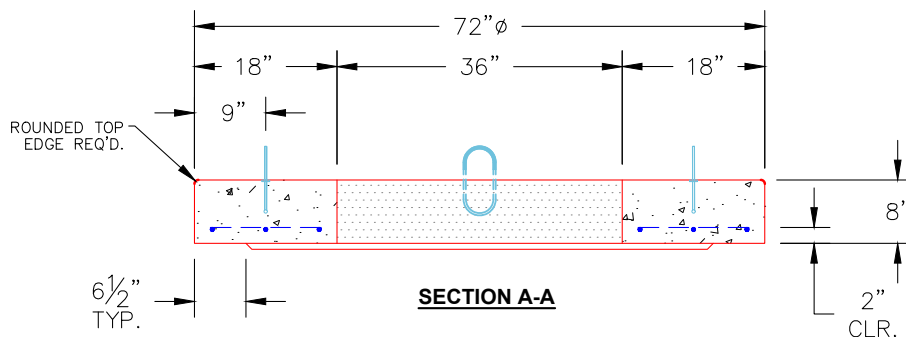
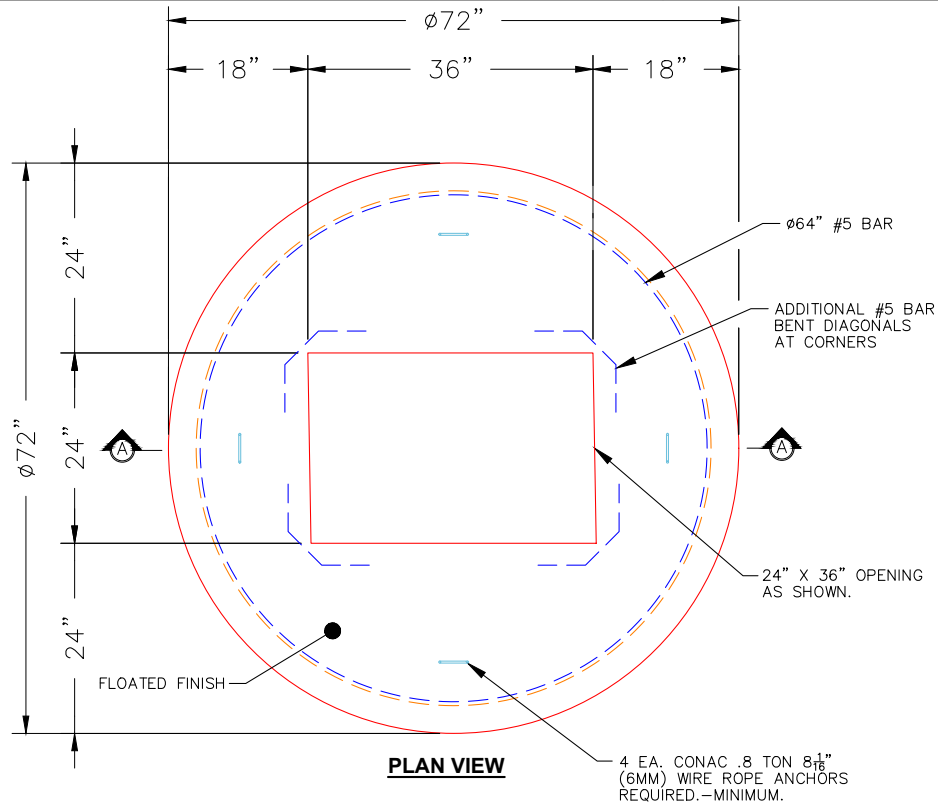
0 lb
2153 lb
7517 lb
354 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
10024 lb

Structure Total:

Structure Notes:

1. INDOT MH TYPE J / ASTM C478 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 518 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 .62) #5 BARS AT 6" C.C.E.W.



NOTES:

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

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 2153 lb
Volume (Net): 0.55cu.yd

Job Name: 26-1453 Clarksville, TN SPC13A Job Location: Clarksville, TN Contractor: Cleary Construction, Inc.					Plant: Beaver Dam		Tech: J. Coppage			
					6/18/2026 7:40:09 AM		PC: C. Goff			
Structure ID: 13A-SS-MH-004										
P1 MH060BA30CDARED					MH BASE w/ConBlock-CDA Red					
P6) 24" - CASTING HEIGHT - 6" P5) 60" - MH FLAT TOP w/24" Hole ECC w/ConBlock-CDA Red - 13" P4) 60" - MH RISER w/ConBlock-CDA Red - 36" P3) 60" - MH RISER SPECIAL w/ConBlock-CDA Red - 72" P2) 60" - MH RISER w/ConBlock-CDA Red - 48" P1) 60" - MH BASE w/ConBlock-CDA Red - 30" 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 60" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 4) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 0285 1) A-Lok - 0410 2) A-Lok - 0200 15) MH Step ML-10-TDS-NCR - 10"					0 lb 2800 lb 3758 lb 7440 lb 5011 lb 5752 lb 0 lb 0 lb 2962 lb 0 lb 0 lb 2 lb 1 lb 2 lb 0 lb		Structure Notes: 1. JBS-1155 SANITARY PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 543.08' Rim to Invert: 17.02' Slack: 1.24" Sump: 2' Structure Total: 27728 lb Step Position: 45'										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	526.06'	0°	0"	8" PVC SDR26	8.5"	A-Lok 0285	9.75"	9.793"	1.125"	0"
Invert 2										
Invert 3	526.16'	180°	113.097"	12" PVC SDR26	12.5"	A-Lok 0410	13.75"	13.873"	2.325"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 30" Height (Ext): 38"	Weight (Net): 5752 lb Volume (Net): 1.47cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 26-1453 Clarksville, TN SPC13A

Job Location: Clarksville, TN

Contractor: Cleary Construction, Inc.

Plant: Beaver Dam

6/18/2026 7:40:09 AM

Tech: J. Coppage

PC: C. Goff

Structure ID: 13A-SS-MH-004

P1 MH060BA30CDARED

MH BASE w/ConBlock-CDA Red

P6) 24" - CASTING HEIGHT - 6"

P5) 60" - MH FLAT TOP w/24" Hole ECC w/ConBlock-CDA Red - 13"

P4) 60" - MH RISER w/ConBlock-CDA Red - 36"

P3) 60" - MH RISER SPECIAL w/ConBlock-CDA Red - 72"

P2) 60" - MH RISER w/ConBlock-CDA Red - 48"

P1) 60" - MH BASE w/ConBlock-CDA Red - 30"

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

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

1) 60" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT

4) 60" - Conseal CS-102 1.00" (Double)

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

2) A-Lok - 0285

1) A-Lok - 0410

2) A-Lok - 0200

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

0 lb

2800 lb

3758 lb

7440 lb

5011 lb

5752 lb

0 lb

0 lb

2962 lb

0 lb

0 lb

2 lb

1 lb

2 lb

0 lb

Structure Notes:

1. JBS-1155 SANITARY PROVIDED BY ICAST.

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 543.08'

Rim to Invert: 17.02'

Slack: 1.24"

Sump: 2'

Structure Total: 27728 lb

Step Position: 45'

INVERT CHANNEL DRAWING

FULL HEIGHT INVERT

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	526.06'	0°	0"	8" PVC SDR26	8.5"	A-Lok 0285	9.75"	9.793"	1.125"	0"
Invert 2										
Invert 3	526.16'	180°	113.097"	12" PVC SDR26	12.5"	A-Lok 0410	13.75"	13.873"	2.325"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 8"

Height (Int): 30"

Height (Ext): 38"

Weight (Net): 5752 lb

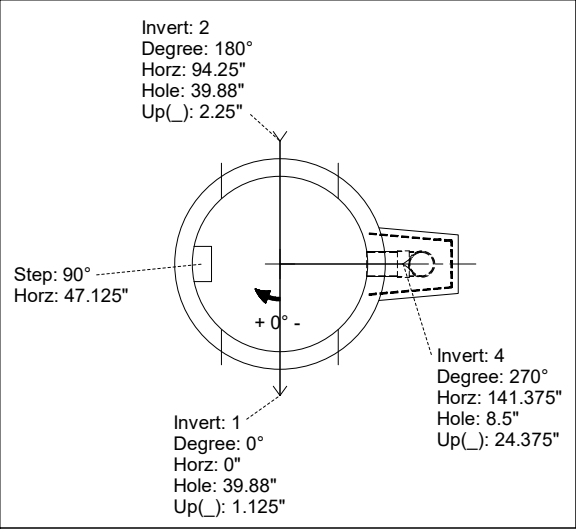
Volume (Net): 1.47cu.yd

Weight (Net): 11159 lb
Volume (Net): 2.85cu.yd

Weight (Net): 11159 lb
Volume (Net): 2.85cu.yd

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting				Plant: 100 3/20/2026 1:21:23 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301542										
P1 MH060DPVF		MH BASE (10"F) w/DROP Custom Ht T/n								
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 24" P4) 48" - MH RISER T/G - 48" P3) 60" - MH Transition Slab 48" Hole T/G - 15" P2) 60" - MH RISER w/DROP T/G - 60" P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 59" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 16) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 3353 lb 2204 lb 6235 lb 11159 lb 2692 lb 2967 lb 2580 lb 0 lb 0 lb 2 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS 7. EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST			
Rim: 751.38' Rim to Invert: 17.53' Slack: 0.36" Sump: 3" Step Position: 90°					Structure Total: 33444 lb					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	733.85'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	733.95'	180°	113.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4	735.65'	270°	169.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

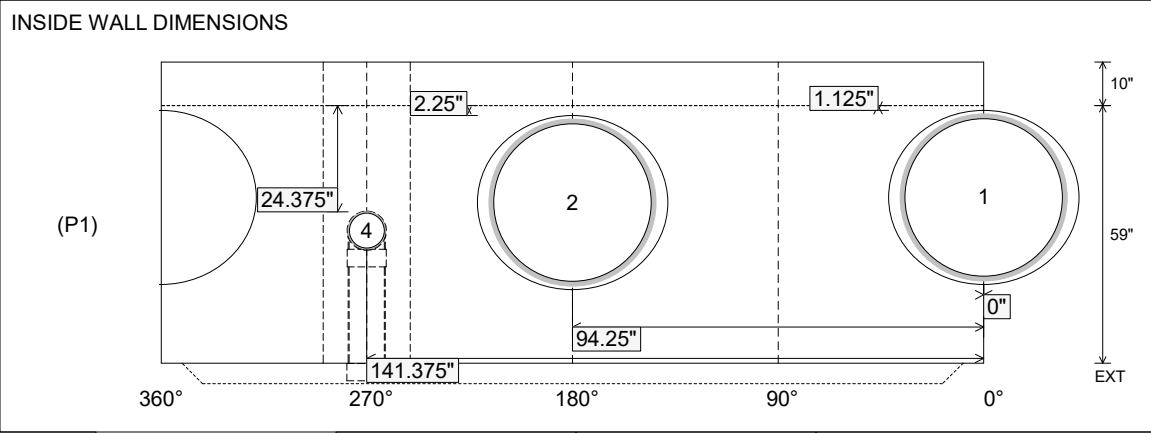
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 59" Height (Ext): 69"	Weight (Net): 11159 lb Volume (Net): 2.85cu.yd
----------------------------------	---------------------------------	---	--	---

Job Name: 25-2898 - Hunter's Ridge Ph.1
Job Location: Owensboro, KY
Contractor: Ernie Davis & Sons Mechanical, Inc.

Plant: 100

5/29/2026 8:41:19 AM

Tech:

Jared - A

PC:

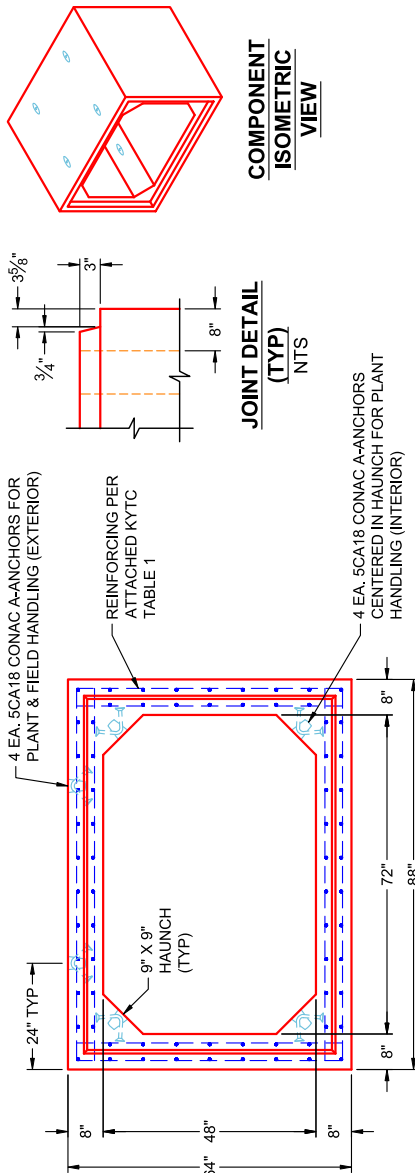
A. Chambers



Structure ID: BC 6 x 4 (Sec O)

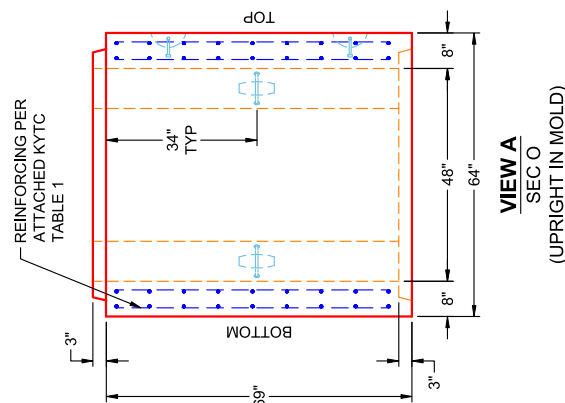
P1 BC048072-08WLF-9H

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



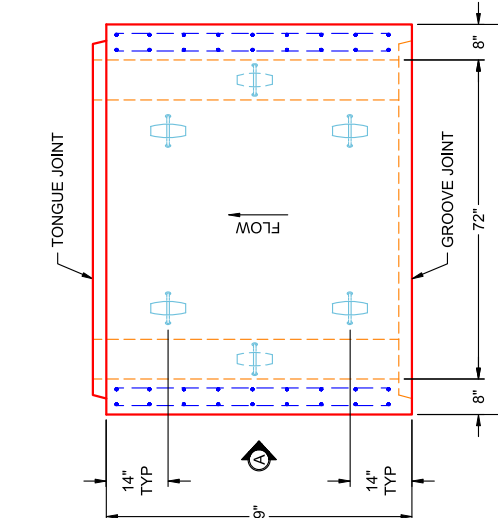
COMPONENT ISOMETRIC VIEW

END VIEW TYPICAL



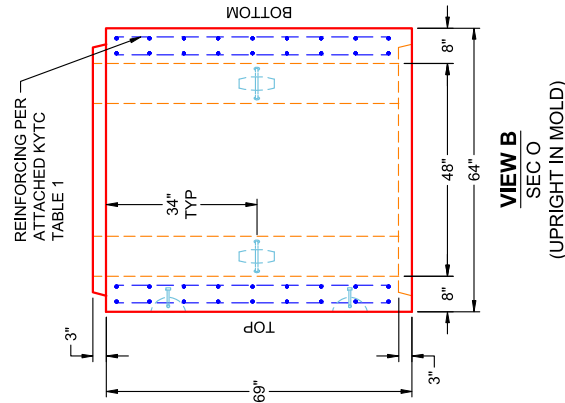
VIEW A SEC O

(UPRIGHT IN MOLD)



PLAN VIEW SEC O

(UPRIGHT IN MOLD)



VIEW B SEC O

(UPRIGHT IN MOLD)

- GENERAL NOTES:**
- PER SECTION 605 OF KYTC STANDARD SPECS FOR ROAD & BRIDGE CONSTRUCTION
 - LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
 - REINFORCEMENT PER ATTACHED KYTC TABLE 1
 - COVER DEPTH: 0' - 4'
 - CONCRETE: 5,000 PSI AT 28 DAYS
 - JOINT SEALANT: 1" BUTYL MASTIC (CS-102) EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
 - WEIGHT: 6' X 4' RCBC = 2,354 LBS / LF (5'-9" LONG SECTION = 13,537 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.: BC048072-08WLF-9H

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 13,537 LBS

TOP SECTION JOINT: TONGUE

BASE SECTION JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 72" X 48" X 69" BOX CULVERT (8" WALLS & 9" HAUNCH)

CUSTOMER: ERNIE DAVIS & SONS MECHANICAL, INC.

PROJECT: HUNTER'S RIDGE PH 1

STRUCTURE: BC 6 X 4 (SEC O)

ORDER NO: 25-2898

PE: J.H. ROSS

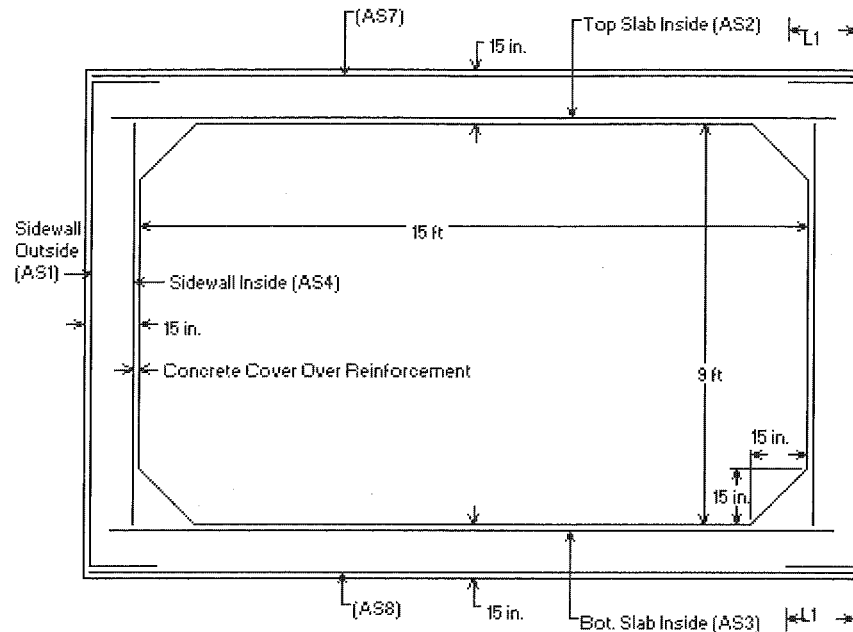
DRAWING: K. CARDWELL

DATE: 05/29/26

SCALE: NTS

PG. 1 OF 1

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



- * <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
6x4x7	0<2*	0.202	0.421	0.266	0.168	0.192	0.168	0.192	0.192
	2<3	0.251	0.368	0.288	0.168	0.168	0.168		
	3-5	0.19	0.271	0.24	0.168	0.168	0.168		
	10	0.168	0.228	0.234	0.168	0.168	0.168		
	15	0.216	0.306	0.313	0.168	0.168	0.168		
	20	0.275	0.391	0.398	0.168	0.168	0.168		
	25	0.338	0.479	0.487	0.168	0.168	0.168		
	30	0.404	0.571	0.579	0.168	0.168	0.168		
	35	0.473	0.667	0.675	0.168	0.168	0.168		
*top slab 8"									

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
6x5x7	0<2*	0.192	0.449	0.291	0.168	0.192	0.168	0.192	0.192
	2<3	0.22	0.398	0.316	0.168	0.168	0.168		
	3-5	0.168	0.294	0.262	0.168	0.168	0.168		
	10	0.168	0.243	0.252	0.168	0.168	0.168		
	15	0.188	0.326	0.336	0.168	0.168	0.168		
	20	0.238	0.417	0.427	0.168	0.168	0.168		
	25	0.291	0.512	0.522	0.168	0.168	0.168		
	30	0.347	0.611	0.622	0.168	0.168	0.168		
	35	0.406	0.714	0.725	0.168	0.168	0.168		
*top slab 8"									

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
6x6x7	0<2*	0.192	0.47	0.311	0.168	0.192	0.168	0.192	0.192
	2<3	0.195	0.421	0.337	0.168	0.168	0.168		
	3-5	0.168	0.311	0.277	0.168	0.168	0.168		
	10	0.168	0.252	0.263	0.168	0.168	0.168		
	15	0.168	0.338	0.349	0.168	0.168	0.168		
	20	0.212	0.432	0.444	0.168	0.168	0.168		
	25	0.259	0.531	0.543	0.168	0.168	0.168		
	30	0.308	0.634	0.647	0.168	0.168	0.168		
	35	0.359	0.741	0.755	0.168	0.168	0.168		
*top slab 8"									

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

Plant: Beaver Dam
6/1/2026 8:23:28 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: MD-21

P1 BX4848-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 48" x 48" - CASTING HEIGHT - 0"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 38"
1) CASTING - JBS TYPE 39 TDOT GRATES (48" X 48")
1) Hole - 26

0 lb
8107 lb
459 lb
0 lb

Structure Total: 8566 lb

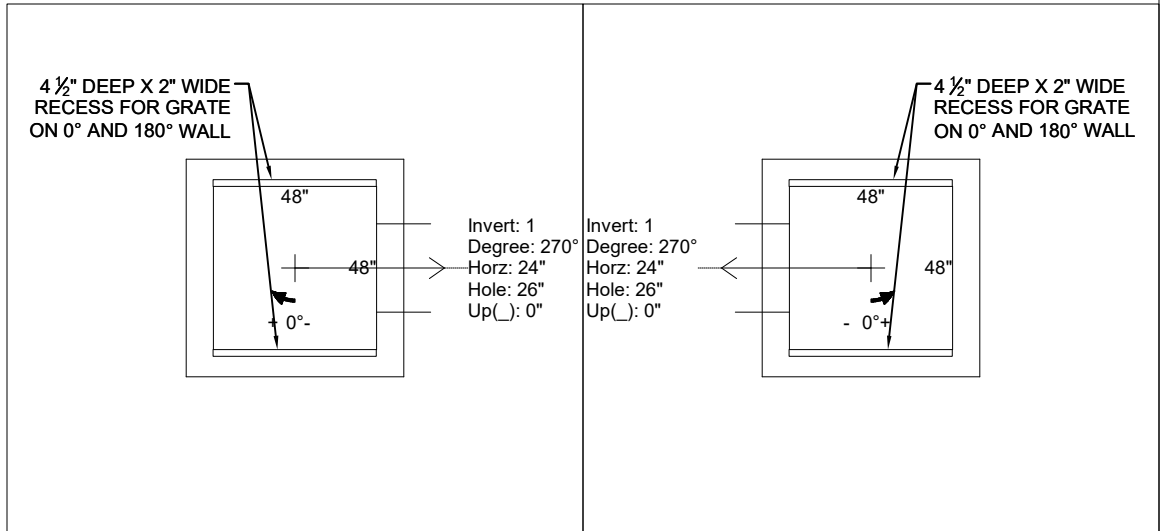
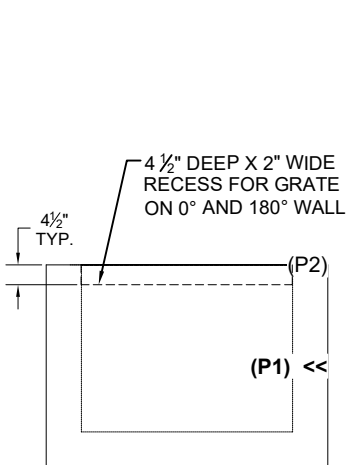
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS TDOT TYPE 39 BY ICAST
4. REINFORCING PER TDOT DRAWING D-CB-39S
ASTM A615 (GRADE 60).
5. PRODUCTION TO PLACE A 4.5" DEEP X 2" WIDE
RECESS IN THE TOP INSIDE OF THE 0 DEGREE
AND THE 180 DEGREE WALL OF THE BASE.

Rim: 783.77' Rim to Invert: 2.99' Slack: 0.38" Sump: 2.5" Step Position:

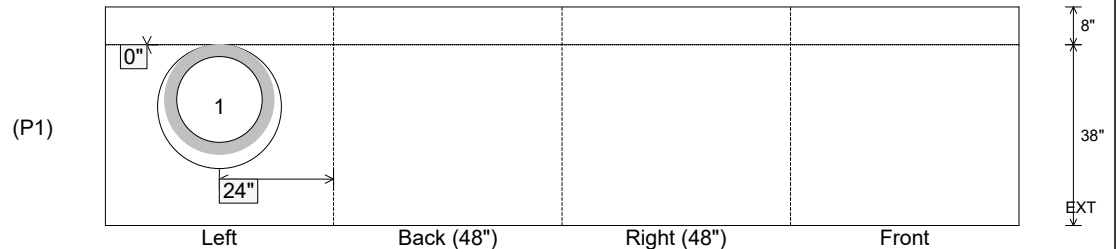
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	780.78'	270°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 8107 lb Volume (Net): 2.07cu.yd
----------------------------------	-------------------------------	--	--	--

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

Plant: Beaver Dam

Tech: J. Coppage

6/1/2026 8:23:21 AM

PC: C. Goff



Structure ID: MD-7

P1 BX4848-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 48" x 48" - CASTING HEIGHT - 0"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 38"
1) CASTING - JBS TYPE 39 TDOT GRATES (48" X 48")
1) Hole - 26

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS TDOT TYPE 39 BY ICAST
4. REINFORCING PER TDOT DRAWING D-CB-39S
ASTM A615 (GRADE 60).
5. PRODUCTION TO PLACE A 4.5" DEEP X 2" WIDE
RECESS IN THE TOP INSIDE OF THE 0 DEGREE
AND THE 180 DEGREE WALL OF THE BASE.

0 lb
8107 lb
459 lb
0 lb

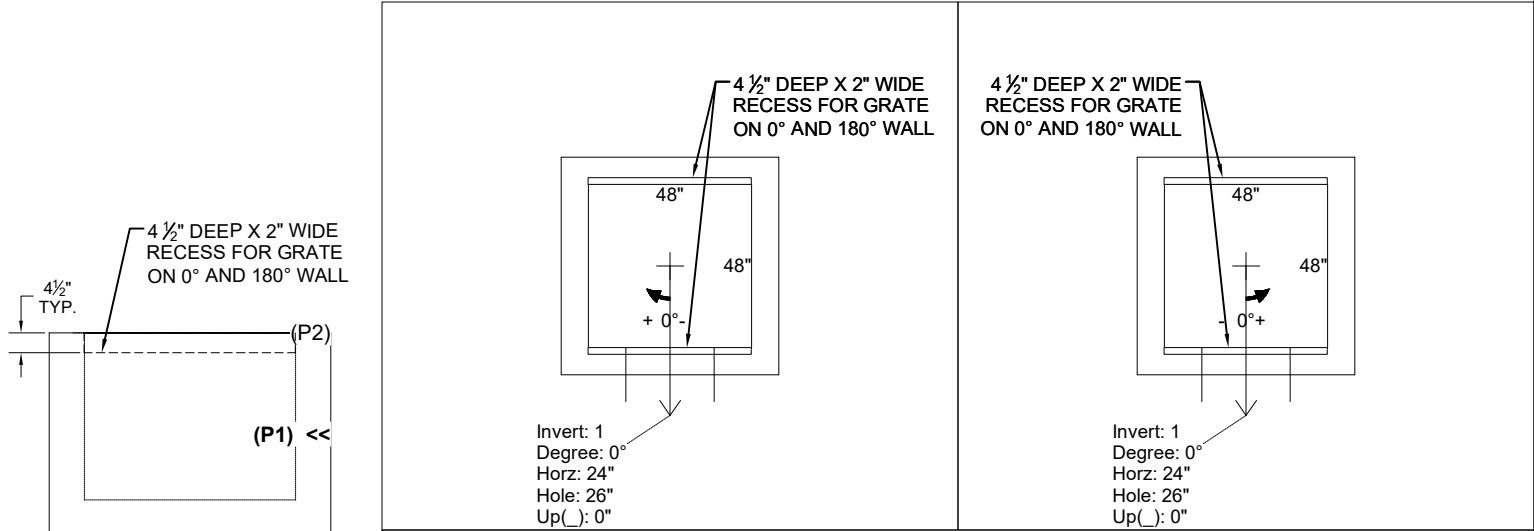
Structure Total: 8566 lb

Rim: 800.2' Rim to Invert: 2.99' Slack: 0.38" Sump: 2.5" Step Position:

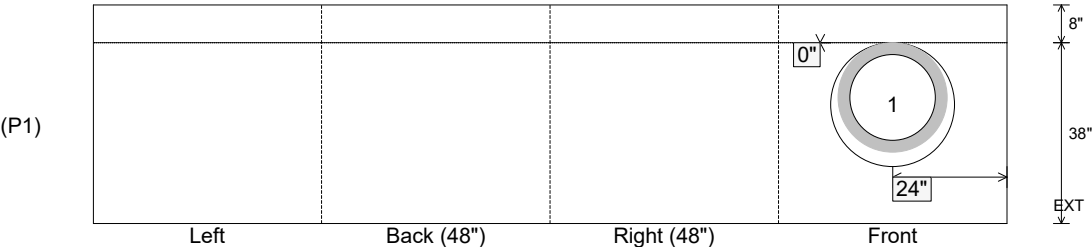
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	797.21'	0°	32"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



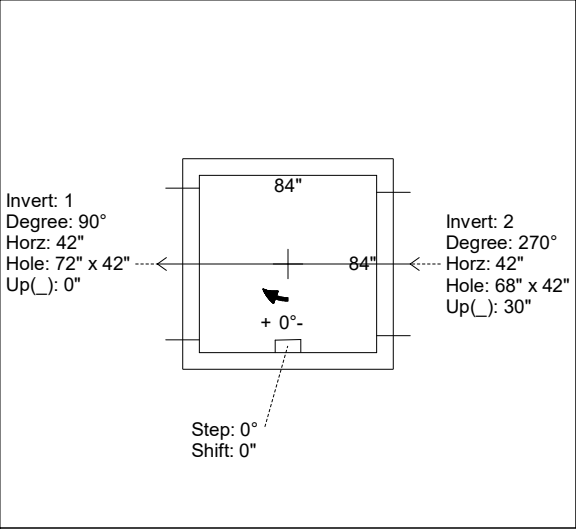
INSIDE WALL DIMENSIONS



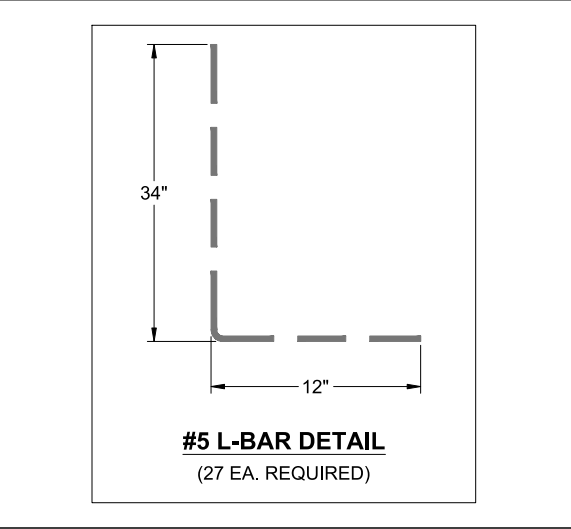
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 38" Height (Ext): 46"	Weight (Net): 8107 lb Volume (Net): 2.07cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-2073 - Alcoa Outfall Job Location: Newburgh, IN Contractor: Bowen Engineering Corporation				Plant: 100 6/16/2026 2:36:23 PM		Tech: J. Horsley PC: A. Chambers				
Structure ID: MH 2										
P1 BX8484-08WVFV				BOX BASE 8inW, 8inF, Variable Ht T/n						
P5) 30" x 30" - CASTING HEIGHT - 4" P4) 30" x 30" - GRADE RING F/F - 3" P3) 84" x 84" - CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F - 8" P2) 84" x 84" - BOX RISER 8inW, Variable Ht F/G - 16" P1) 84" x 84" - BOX BASE 8inW, 8inF, Variable Ht T/n - 82" 1) CASTING - HOE 468 F/G 1) SECONDARY POUR 2) 84" x 84" - Conseal CS-102 1.00" 1) SQ. Hole n/n - 72"x42" 1) SQ. Hole n/n - 68"x42" 7) MH Step ML-10-TDS-NCR - 10"					0 lb 218 lb 6109 lb 3953 lb 23023 lb 489 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) - WET STICK 24" X 34" #5 L-BAR @ 12" C.C. E.W. (GRADE 60) OUT OF FLOOR FOR WALL POUR TIE-IN (SEE L-BAR DETAIL) 4. STORM INVERT BY OTHERS 5. STEPS AT 0 DEGREES 6. HOE 468 FRAME & GRATE SUPPLIED BY ICAST			
FIRST POUR (FLOOR): 6,713 LBS SECOND POUR (WALLS): 16,310 LBS					Structure Total: 33791 lb					
Rim: 395.29' Rim to Invert: 8.79' Slack: 0.48" Sump: 8" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	386.5'	90°	50"	48" x 24" BOX CULV. (8W8F8T)	64" x 40"	SQ. Hole 72"x42"	72" x 42"	72"	0"	0"
Invert 2	389'	270°	50"	48" x 24" BOX CULV. (8W8F8T)	64" x 40"	SQ. Hole 68"x42"	68" x 42"	68"	30"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

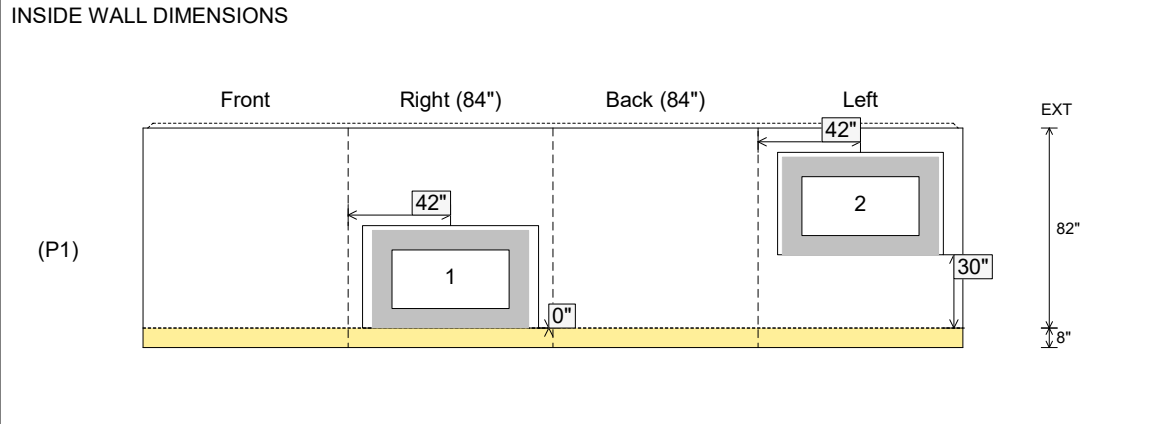
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



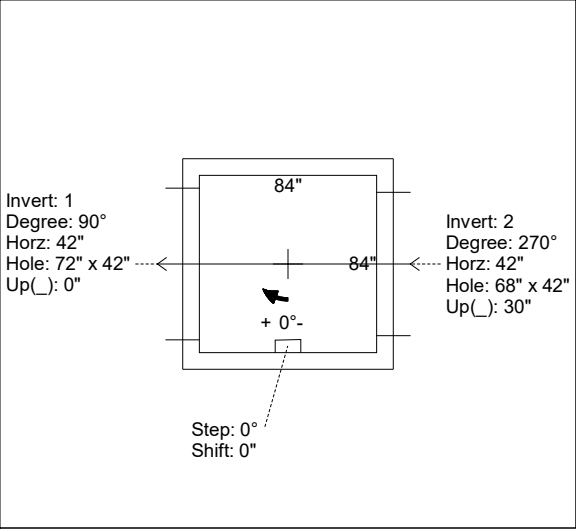
INSIDE WALL DIMENSIONS



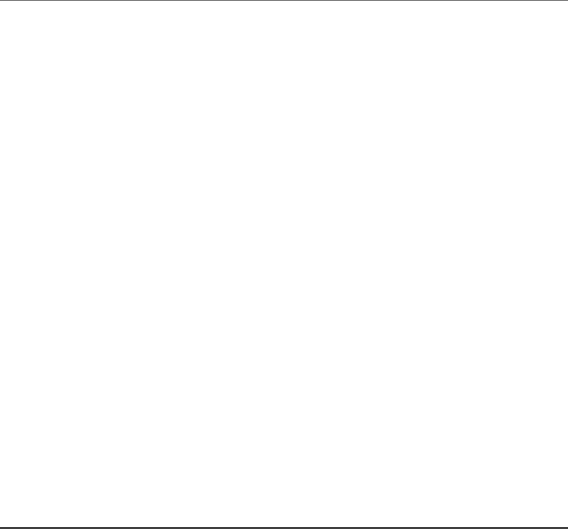
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 82" Height (Ext): 90"	Weight (Net): 23023 lb Volume (Net): 5.88cu.yd
----------------------------------	---------------------------------	--	--	---

Job Name: 25-2073 - Alcoa Outfall Job Location: Newburgh, IN Contractor: Bowen Engineering Corporation				Plant: 100 6/16/2026 2:36:23 PM		Tech: J. Horsley PC: A. Chambers				
Structure ID: MH 2										
P1 BX8484-08WVVF				BOX BASE 8inW, 8inF, Variable Ht T/n						
P5) 30" x 30" - CASTING HEIGHT - 4" P4) 30" x 30" - GRADE RING F/F - 3" P3) 84" x 84" - CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F - 8" P2) 84" x 84" - BOX RISER 8inW, Variable Ht F/G - 16" P1) 84" x 84" - BOX BASE 8inW, 8inF, Variable Ht T/n - 82" 1) CASTING - HOE 468 F/G 1) SECONDARY POUR 2) 84" x 84" - Conseal CS-102 1.00" 1) SQ. Hole n/n - 72"x42" 1) SQ. Hole n/n - 68"x42" 7) MH Step ML-10-TDS-NCR - 10" FIRST POUR (FLOOR): 6,713 LBS SECOND POUR (WALLS): 16,310 LBS					0 lb 218 lb 6109 lb 3953 lb 23023 lb 489 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 33791 lb		<u>Structure Notes:</u> 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) - ADDITIONAL REBAR REQUIRED AROUND OPENINGS FOR INVERTS 1 & 2 4. STORM INVERT BY OTHERS 5. STEPS AT 0 DEGREES 6. HOE 468 FRAME & GRATE SUPPLIED BY ICAST 7. LIFTERS: 4 EA. 6CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 0° & 180° WALLS, 24" FROM TOP OF WALLS			
Rim: 395.29' Rim to Invert: 8.79' Slack: 0.48" Sump: 8" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	386.5'	90°	50"	48" x 24" BOX CULV. (8W8F8T)	64" x 40"	SQ. Hole 72"x42"	72" x 42"	72"	0"	0"
Invert 2	389'	270°	50"	48" x 24" BOX CULV. (8W8F8T)	64" x 40"	SQ. Hole 68"x42"	68" x 42"	68"	30"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

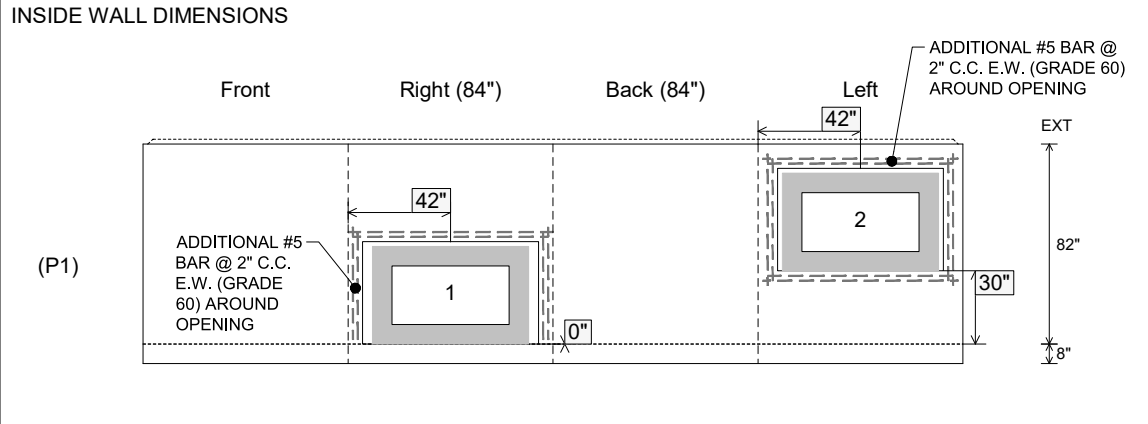
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

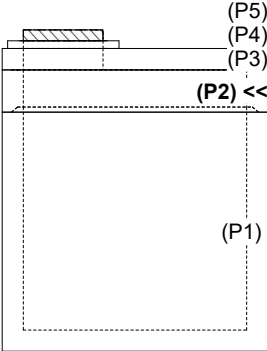


INSIDE WALL DIMENSIONS

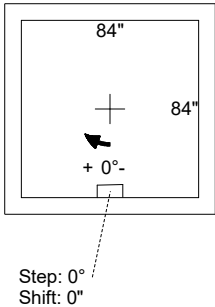


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 82" Height (Ext): 90"	Weight (Net): 23023 lb Volume (Net): 5.88cu.yd
----------------------------------	---------------------------------	--	--	---

Job Name: 25-2073 - Alcoa Outfall Job Location: Newburgh, IN Contractor: Bowen Engineering Corporation					Plant: 100 6/16/2026 2:37:58 PM		Tech: J. Horsley PC: A. Chambers				
Structure ID: MH 2											
P2 BX084084-08RVF			BOX RISER 8inW, Variable Ht F/G								
P5) 30" x 30" - CASTING HEIGHT - 4" P4) 30" x 30" - GRADE RING F/F - 3" P3) 84" x 84" - CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F - 8" P2) 84" x 84" - BOX RISER 8inW, Variable Ht F/G - 16" P1) 84" x 84" - BOX BASE 8inW, 8inF, Variable Ht T/n - 82" 1) CASTING - HOE 468 F/G 1) SECONDARY POUR 2) 84" x 84" - Conseal CS-102 1.00" 1) SQ. Hole n/n - 72"x42" 1) SQ. Hole n/n - 68"x42" 7) MH Step ML-10-TDS-NCR - 10"						0 lb 218 lb 6109 lb 3953 lb 23023 lb 489 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 33791 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. STEPS AT 0 DEGREES 5. HOE 468 FRAME & GRATE SUPPLIED BY ICAST 6. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 0° & 180° WALLS, 8" FROM TOP OF WALLS			
Rim: 395.29' Rim to Invert: 8.79' Slack: 0.48" Sump: 8" 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)



Step: 0°
Shift: 0"

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 16" Height (Ext): 16"	Weight (Net): 3953 lb Volume (Net): 1.01cu.yd
----------------------------------	----------------------------------	--	--	--