

Job Name: 26-2485 855358 Fuqua Development
Job Location: Nicholasville, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

6/5/2026 8:57:13 AM

Tech: S. Felletter

PC: C. Goff



Structure ID: 10-CS-12

P3 MH144RS78

MH RISER T/G

P6) 24" - CASTING HEIGHT - 4"
P5) 144" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18"
P4) 144" - MH RISER T/G - 42"
P3) 144" - MH RISER T/G - 78"
P2) 144" - MH RISER T/G - 54"
P1) 144" - MH MONOBASE 14F, Custom Ht T/n - 24"
1) ASSEMBLY REQUIRED - BRACKETS ONLY
1) CVSTENCILING
4) 144" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 48"

0 lb
23623 lb
22598 lb
37954 lb
29054 lb
39578 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 152807 lb

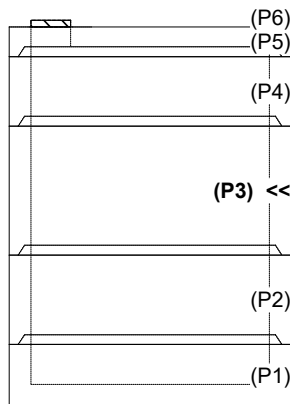
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. 4" CASTING BY OTHERS
4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE
5. ICAST TO INSTALL BRACKETS ONLY
6. CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE

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.

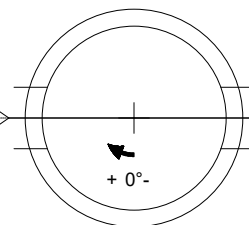
Rim: 1019.03' Rim to Invert: 9.83' Slack: 5.996" Sump: 108.036" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1009.2'	270°	400.553"	36" RCP B WALL	44"	Hole 48	48"	48.937"	18.036"	0"
Invert 2	1009.2'	90°	133.518"	36" RCP B WALL	44"	Hole 48	48"	48.937"	18.036"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

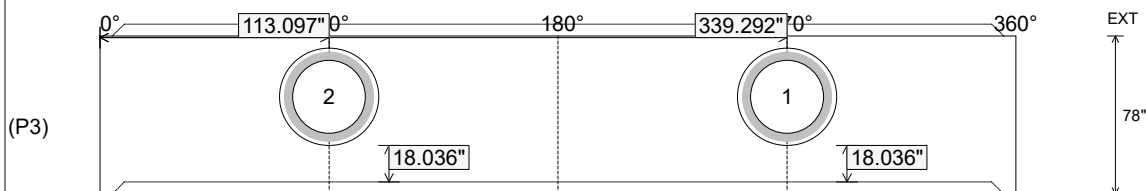


Invert: 2
Degree: 90°
Horz: 113.097"
Hole: 48"
Up(): 18.036"



Invert: 1
Degree: 270°
Horz: 339.292"
Hole: 48"
Up(): 18.036"

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

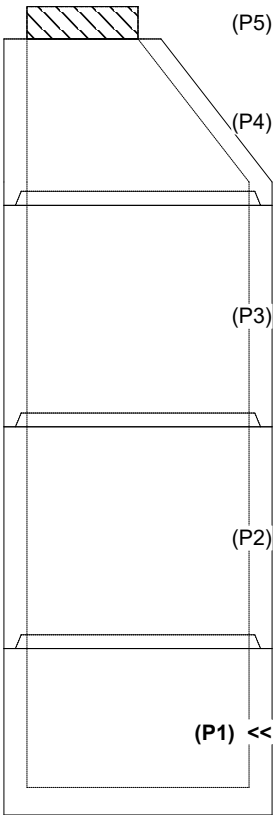
Wall Thickness: 13"
Floor Height: 0"

Height (Int): 78"
Height (Ext): 78"

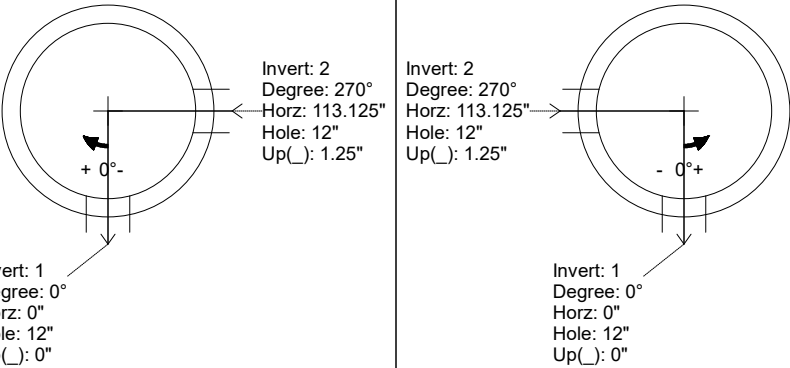
Weight (Net): 37954 lb
Volume (Net): 9.69cu.yd

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:54:35 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: B1 (4)											
P1 MH048BA30			MH BASE T/n								
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC CONE w/ 24" HOLE F/G - 36" P3) 48" - MH RISER T/G - 48" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE T/n - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 DD						0 lb 3000 lb 3353 lb 3353 lb 3330 lb 1440 lb 0 lb 0 lb 16 lb Structure Total: 14493 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. 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: 558.5' Rim to Invert: 14.06' Slack: 1.72" Sump: 2" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	544.44'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD	12"	12.129"	0"	0"	
Invert 2	544.54'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 DD	12"	12.129"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

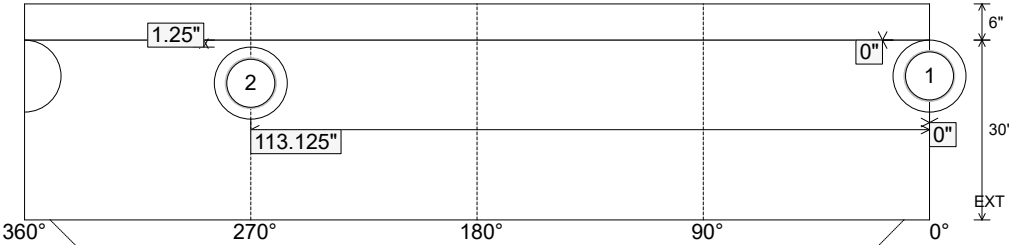
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



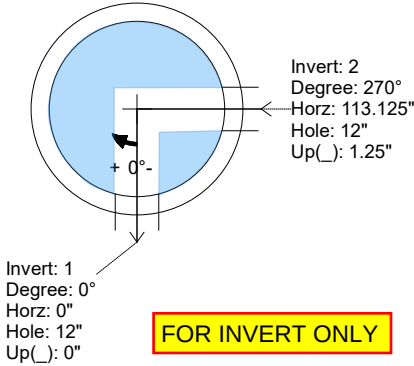
INSIDE WALL DIMENSIONS



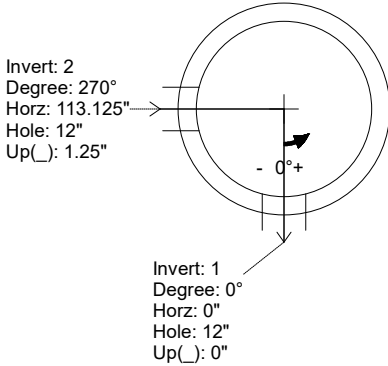
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
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Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC				Plant: 100 6/2/2026 10:54:35 AM		Tech: Jared - F PC: E. Bradley						
Structure ID: B1 (4)												
P1 MH048BA30				MH BASE T/n								
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC CONE w/ 24" HOLE F/G - 36" P3) 48" - MH RISER T/G - 48" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE T/n - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 DD						0 lb 3000 lb 3353 lb 3353 lb 3330 lb 1440 lb 0 lb 0 lb 0 lb 16 lb ----- Structure Total: 14493 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. 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: 558.5' Rim to Invert: 14.06' Slack: 1.72' Sump: 2' Step Position:												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	544.44'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 DD	12"	12.129"	0"	0"		
Invert 2	544.54'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 DD	12"	12.129"	1.25"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

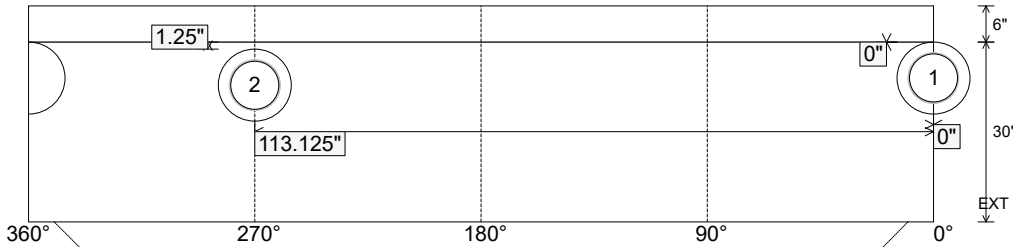
RIGHT-SIDE UP VIEW (int. dimensions)



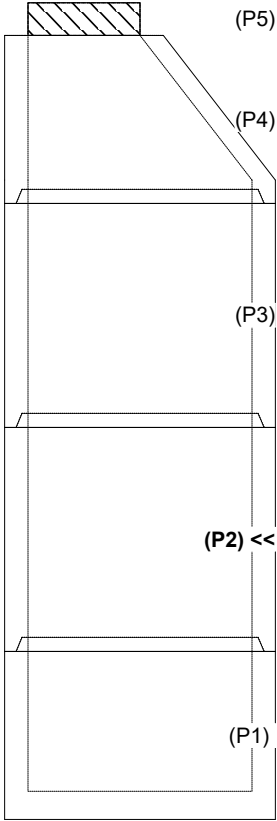
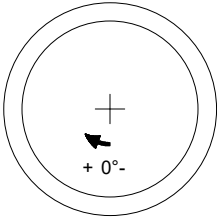
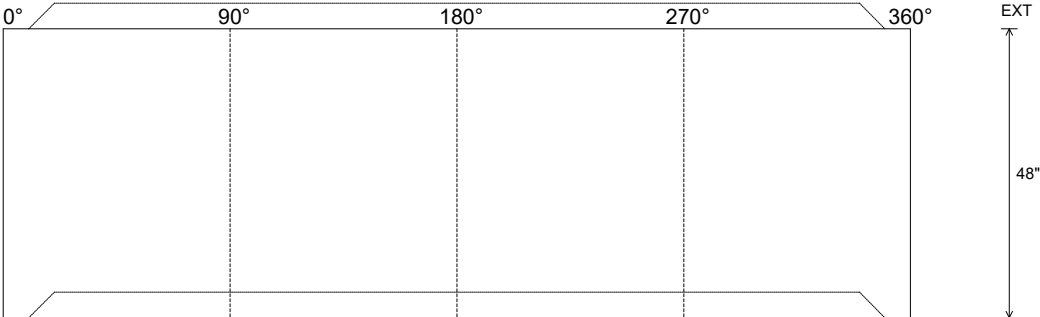
UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
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Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:56:51 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: B1 (4)											
P2 MH048RS48S MH RISER T/G											
P5) 24" - CASTING HEIGHT - 7" P4) 48" - ECC CONE w/ 24" HOLE F/G - 36" P3) 48" - MH RISER T/G - 48" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE T/h - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 DD						0 lb 3000 lb 3353 lb 3353 lb 3330 lb 1440 lb 0 lb 0 lb 0 lb 16 lb ----- Structure Total: 14493 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. . 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: 558.5' Rim to Invert: 14.06' Slack: 1.72" Sump: 2" 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											
											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 48" Height (Ext): 48"		Weight (Net): 3353 lb Volume (Net): 0.86cu.yd		

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2

Job Location: London, KY

Contractor: Endesol, Inc.

Plant: Beaver Dam

6/2/2026 2:59:08 PM

Tech: S. Felletter

PC: E. Bradley



Structure ID: B-8-3 SS-MH

P2 MH048RS24CDARED

MH RISER w/ConBlock-CDA Red T/G

P5) 24" - CASTING HEIGHT - 7"

P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"

P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 30"

P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 24"

P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"

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

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

1) SPECIAL EXTERNAL COATING - GRADE RING

1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT

1) CASTING - HOE MC-350 F/C Sanitary

2) 48" - Conseal CS-102 1.00" (Double)

2) 24" - Conseal CS-102 1.00" (Double)

2) PSX - 12-08 NYLO

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

0 lb

202 lb

1961 lb

1677 lb

3330 lb

0 lb

0 lb

0 lb

1440 lb

305 lb

0 lb

0 lb

16 lb

0 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. ADMIXTURE = CONBLOCK CDA RED.

4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY").

5. EXTERNAL BITUMINOUS COATING REQUIRED FOR GRADE RING.

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Structure Total: 8932 lb

Rim: 1241'

Rim to Invert: 7.8'

Slack: 1.6"

Sump: 2"

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										

(P5)

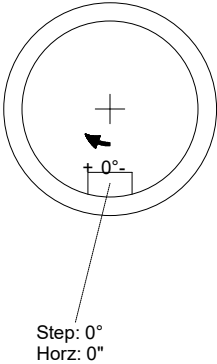
(P4)

(P3)

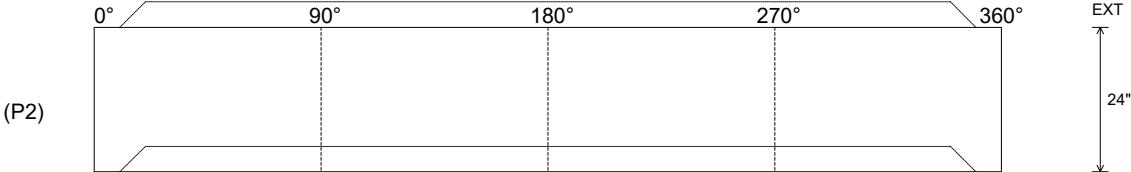
(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

Floor Height: 0"

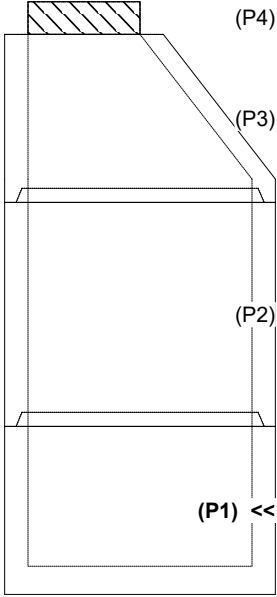
Height (Int): 24"

Height (Ext): 24"

Weight (Net): 1677 lb

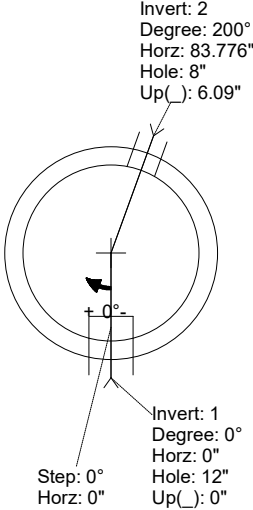
Volume (Net): 0.43cu.yd

Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2 Job Location: London, KY Contractor: Endesol, Inc.					Plant: Beaver Dam 6/2/2026 2:57:46 PM		Tech: S. Felletter PC: E. Bradley				
Structure ID: B-9-2 SS-MH											
P1 MH048BA30CDARED			MH BASE w/ConBlock-CDA Red T/n								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 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 - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 8QRS-S NYLO 9) MH Step ML-10-TDS-NCR - 10"						0 lb 2251 lb 3353 lb 3357 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 8 lb 6 lb 0 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Structure Total: 10721 lb											
Rim: 1248'		Rim to Invert: 10.1'		Slack: 2.2"		Sump: 2"		Step Position: 0°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	1237.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	1238.41'	200°	101.229"	4" PVC SDR17	4.5"	PSX 8QRS-S NYLO	8"	8.038"	6.09"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

RIGHT-SIDE UP VIEW (int. dimensions)

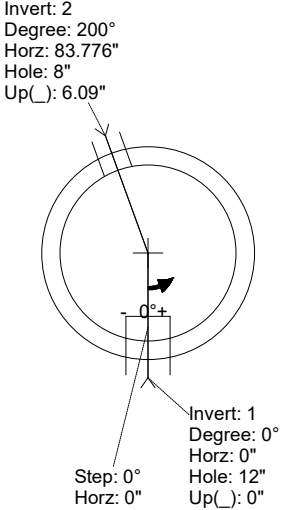


Invert: 2
Degree: 200°
Horz: 83.776"
Hole: 8"
Up(): 6.09"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

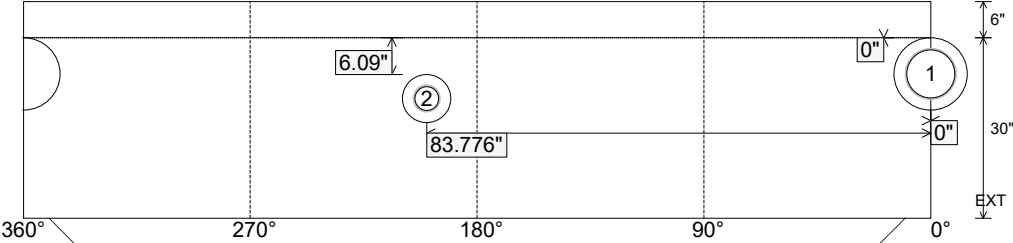


Invert: 2
Degree: 200°
Horz: 83.776"
Hole: 8"
Up(): 6.09"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

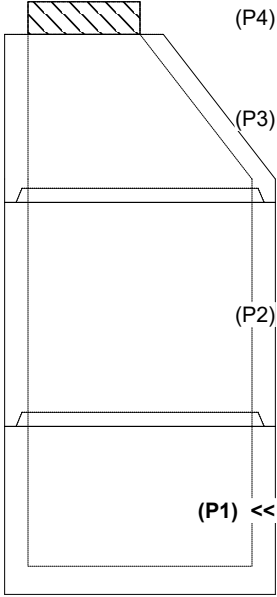
83.776"
6.09"

360° 270° 180° 90° 0°

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3357 lb Volume (Net): 0.86cu.yd
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Job Name: 26-1355 Sinking Creek Rd Sanitary Sewer Ext. Ph. 2					Plant: Beaver Dam		Tech: S. Felletter			
Job Location: London, KY					6/2/2026 2:57:46 PM		PC: E. Bradley			
Contractor: Endesol, Inc.										
Structure ID: B-9-2 SS-MH										
P1 MH048BA30CDARED					MH BASE w/ConBlock-CDA Red T/n					
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 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 - HOE MC-350 F/C Sanitary 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 1) PSX - 8QRS-S NYLO 9) MH Step ML-10-TDS-NCR - 10"					0 lb 2251 lb 3353 lb 3357 lb 0 lb 0 lb 1440 lb 305 lb 0 lb 0 lb 8 lb 6 lb 0 lb ----- Structure Total: 10721 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY"). REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 1248' Rim to Invert: 10.1' Slack: 2.2' Sump: 2' Step Position: 0°					Invert channel drawing Full height invert					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	1237.9'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	1238.41'	200°	101.229"	4" PVC SDR17	4.5"	PSX 8QRS-S NYLO	8"	8.038"	6.09"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



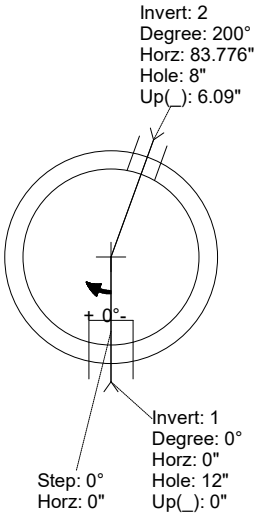
(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

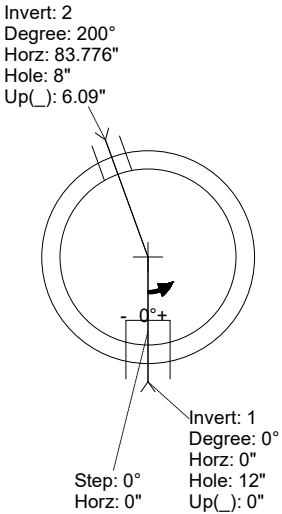


Invert: 2
Degree: 200°
Horz: 83.776"
Hole: 8"
Up(): 6.09"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

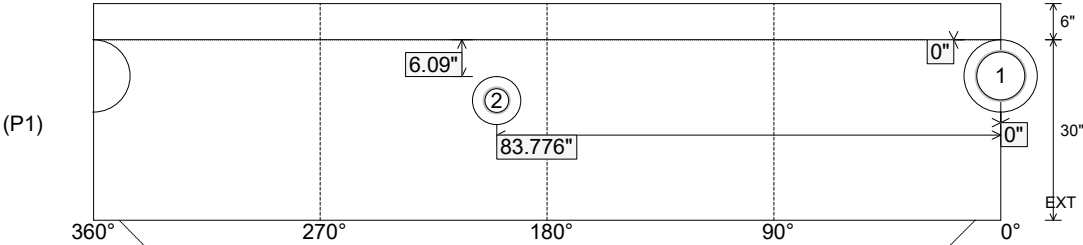


Invert: 2
Degree: 200°
Horz: 83.776"
Hole: 8"
Up(): 6.09"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

6.09"

83.776"

0"

1

0"

30"

6"

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3357 lb Volume (Net): 0.86cu.yd
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Plant: Beaver Dam

6/2/2026 2:59:07 PM

P2 MH048RS48CDARED

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36"
- P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48"
- P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"
- 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 - HOE MC-350 F/C Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12-08 NYLO
- 1) PSX - 8QRS-S NYLO
- 9) MH Step ML-10-TDS-NCR - 10"

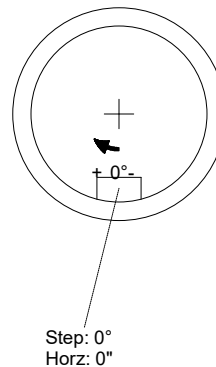
0 lb
2251 lb
3353 lb
3357 lb
0 lb
0 lb
1440 lb
305 lb
0 lb
0 lb
8 lb
6 lb
0 lb

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING BY ICAST (HOE MC-350 F/C "SANITARY").

REINFORCING PER ASTM A615 (GRADE 60).

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

Rim: 1248' Rim to Invert: 10.1' Slack: 2.2" Sump: 2" Step Position: 0°

[illegible]

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

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2

Job Location: Danville, KY

Contractor: Hubert Excavating & Contracting

Plant: 100

6/7/2026 1:25:24 PM

Tech: J. Horsley

PC: C. Goff



Structure ID: MH A15

P3MH048RS24SMH RISER w/COATING T/G

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - ECC CONE w/ 24" HOLE, w/Coating F/G - 36"

P3) 48" - MH RISER w/COATING T/G - 24"

P2) 60" - MH Trans. Slab - 48" Hole ECC, w/Coating T/G - 13"

P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 68"

1) 60" - MH INVERT CHANNEL - FULL HEIGHT

1) JOINT WRAP - 12" WD x 060" MAC WRAP

1) SPECIAL EXTERNAL COATING - Carboline 300M

1) SECONDARY POUR - Extended Flange

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

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

2) 48" - Conseal CS-102 1.00" (Double)

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

2) A-Lok - 1040

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

238.97 SqFt) Carboline Bitumastic 300M [EXT]

0 lb

2251 lb

1677 lb

1928 lb

10066 lb

2692 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

2 lb

0 lb

0 lb

Structure Total: 18615 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: PER ASTM A615

4. CARBOLINE 300M EXTERIOR COATING REQUIRED

5. STEPS AT 92 DEGREES

6. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS

Rim: 902.48' Rim to Invert: 12.225' Slack: 0.915" Sump: 2.215" Step Position: 92°

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										

(P5)

(P4)

(P3) <<

(P2)

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

Step: 92°

Horz: 38.5"

+ 0°

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

(P3)

24"

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

Seam Up: Tongue Seam Dn: Groove

Wall Thickness: 5" Floor Height: 0"

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

Weight (Net): 1677 lb Volume (Net): 0.43cu.yd

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A15

Note:

This Structure Is To Receive An
External Coating of Carboline 300M
(Supplied By iCast)

Job Name: 26-1945 The Reserve at Lafayette Job Location: Clarksville, TN Contractor: Hayes Pipe Supply					Plant: Beaver Dam 5/29/2026 3:40:09 PM		Tech: S. Felletter PC: E. Bradley			
Structure ID: MH A-1 SS-MH										
P1 MH048BA30CDARED			MH BASE w/ConBlock-CDA Red T/n							
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red F/G - 36" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 1) Quik-Lok - QL-08-C 1) PSX - 12-08 NYLO 5) MH Step ML-10-TDS-NCR - 10"						0 lb 2251 lb 3340 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 1 lb 8 lb 0 lb ----- Structure Total: 7040 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING BY OTHERS. 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: 577.7' Rim to Invert: 5.93' Slack: 0.16" Sump: 2" Step Position: 98										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	571.77'	0°	0"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	0.625"	0"
Invert 2	571.87'	197°	99.711"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3340 lb Volume (Net): 0.85cu.yd
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Job Name: 26-1945 The Reserve at Lafayette

Job Location: Clarksville, TN

Contractor: Hayes Pipe Supply

Plant: Beaver Dam

5/29/2026 3:40:09 PM

Tech: S. Felletter

PC: E. Bradley



Structure ID: MH A-1 SS-MH

P1 MH048BA30CDARED

MH BASE w/ConBlock-CDA Red T/n

P3) 24" - CASTING HEIGHT - 7"

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

P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"

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

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

1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT

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

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

1) Quik-Lok - QL-08-C

1) PSX - 12-08 NYLO

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

0 lb

2251 lb

3340 lb

0 lb

0 lb

1440 lb

0 lb

0 lb

1 lb

8 lb

0 lb

Structure Total: 7040 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. ADMIXTURE = CONBLOCK CDA RED.

4. CASTING BY OTHERS.

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: 577.7'

Rim to Invert: 5.93'

Slack: 0.16"

Sump: 2"

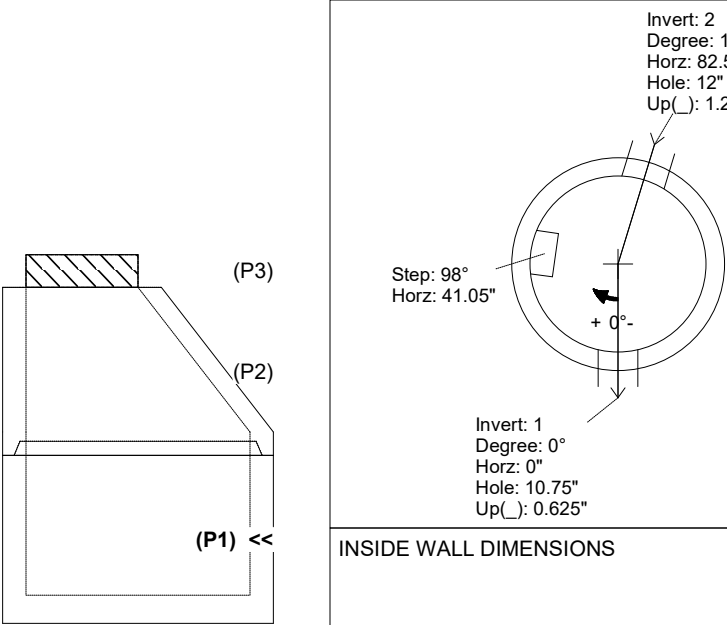
Step Position: 98

Invert channel drawing

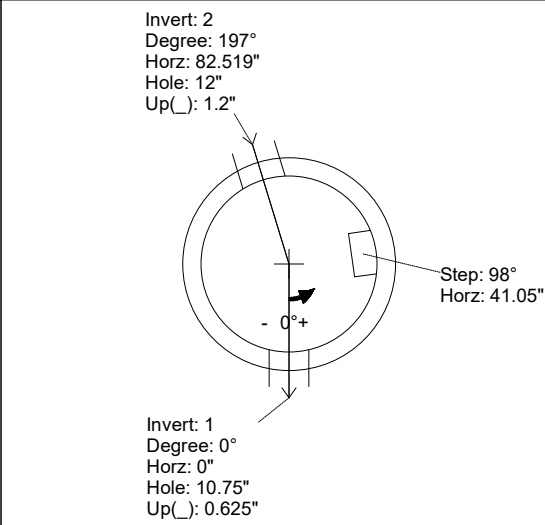
Full height invert

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	571.77'	0°	0"	8" PVC SDR35	8.5"	Quik-Lok QL-08-C	10.75"	10.842"	0.625"	0"
Invert 2	571.87'	197°	99.711"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

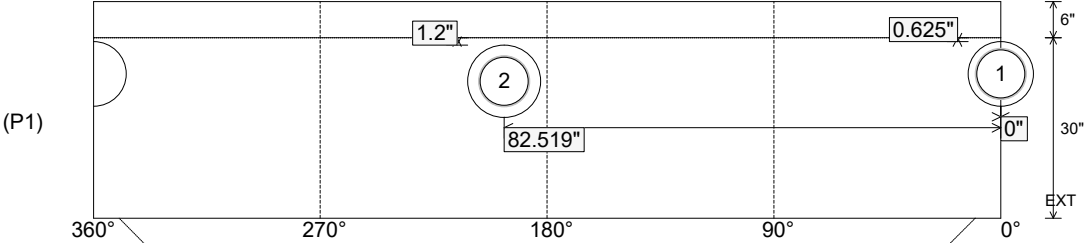
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

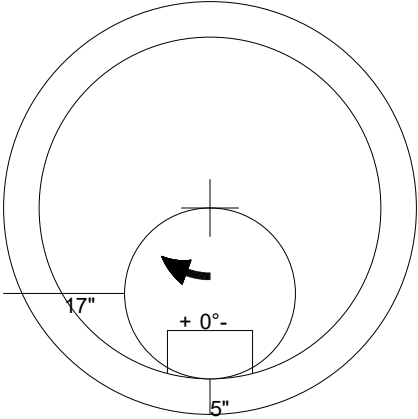
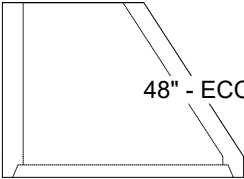
Floor Height: 6"

Height (Int): 30"

Height (Ext): 36"

Weight (Net): 3340 lb

Volume (Net): 0.85cu.yd

Job Name: 26-2370 - Greystone Subd. Job Location: Madisonville, KY Contractor: Steve Pleasant Excavating, LLC		Plant: 100 5/25/2026 11:01:36 AM	Tech: Jared - F PC: E. Bradley		
Structure ID: 5 SS-MH					
P2 MH048CN42		ECC CONE w/ 24" HOLE F/G			
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 4" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE T/n - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) Inflow Dish FOR MC-315 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 2) PSX - 12-06 NYLO 6) MH Step ML-10-TDS-NCR - 10"		0 lb 270 lb 3200 lb 3234 lb 1440 lb 0 lb 2 lb 258 lb 0 lb 0 lb 16 lb 16 lb 0 lb ----- 8436 lb	<u>Structure Notes:</u> . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-315 F/C "SANITARY"). . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
					
 48" - ECC CONE w/ 24" HOLE F/G - 42" - (P2)					
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 42"	Weight (Net): 3200 lb Volume (Net): 0.5cu.yd	

Job Name: 26-2370 - Greystone Subd. Job Location: Madisonville, KY Contractor: Steve Pleasant Excavating, LLC					Plant: 100 5/25/2026 11:01:16 AM		Tech: Jared - F PC: E. Bradley			
Structure ID: 5 SS-MH										
P1 MH048BA30			MH BASE T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 24" - GRADE RING F/F - 4" P2) 48" - ECC CONE w/ 24" HOLE F/G - 42" P1) 48" - MH BASE T/n - 30" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) Inflow Dish FOR MC-315 1) CASTING - HOE MC-315 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 2) PSX - 12-06 NYLO 6) MH Step ML-10-TDS-NCR - 10"						0 lb 270 lb 3200 lb 3234 lb 1440 lb 0 lb 2 lb 258 lb 0 lb 0 lb 16 lb 16 lb 0 lb ----- Structure Total: 8436 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-315 F/C "SANITARY"). . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Rim: 450.5' Rim to Invert: 6.83' Slack: 0.96" Sump: 2" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	443.67'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	443.87'	110°	55.625"	6" PVC SCH40	6.625"	PSX 12-06 NYLO	12"	12.129"	1.375"	0"
Invert 3	443.77'	203°	102.75"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 4	443.87'	275°	139.25"	6" PVC SCH40	6.625"	PSX 12-06 NYLO	12"	12.129"	1.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3234 lb Volume (Net): 0.83cu.yd
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Job Name: 26-2370 - Greystone Subd.

Job Location: Madisonville, KY

Contractor: Steve Pleasant Excavating, LLC

Plant: 100

5/25/2026 11:01:16 AM

Tech: Jared - F

PC: E. Bradley

Structure ID: 5 SS-MH

P1 MH048BA30

MH BASE T/n

P4) 24" - CASTING HEIGHT - 7"

P3) 24" - GRADE RING F/F - 4"

P2) 48" - ECC CONE w/ 24" HOLE F/G - 42"

P1) 48" - MH BASE T/n - 30"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

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

1) Inflow Dish FOR MC-315

1) CASTING - HOE MC-315 F/C Sanitary

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

2) 24" - Conseal CS-102 1.00" (Double)

2) PSX - 12-08 NYLO

2) PSX - 12-06 NYLO

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

0 lb

270 lb

3200 lb

3234 lb

1440 lb

0 lb

2 lb

258 lb

0 lb

0 lb

16 lb

16 lb

0 lb

Structure Total: 8436 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MC-315 F/C "SANITARY").

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 450.5'

Rim to Invert: 6.83'

Slack: 0.96"

Sump: 2"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	443.67'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	443.87'	110°	55.625"	6" PVC SCH40	6.625"	PSX 12-06 NYLO	12"	12.129"	1.375"	0"
Invert 3	443.77'	203°	102.75"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 4	443.87'	275°	139.25"	6" PVC SCH40	6.625"	PSX 12-06 NYLO	12"	12.129"	1.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 110°
Horz: 46.125"
Hole: 12"
Up(): 1.375"

Invert: 3
Degree: 203°
Horz: 85"
Hole: 12"
Up(): 1.25"

Invert: 4
Degree: 275°
Horz: 115.25"
Hole: 12"
Up(): 1.375"

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

Step: 0°
Horz: 0"

FOR INVERT ONLY

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 3
Degree: 203°
Horz: 85"
Hole: 12"
Up(): 1.25"

Invert: 2
Degree: 110°
Horz: 46.125"
Hole: 12"
Up(): 1.375"

Invert: 4
Degree: 275°
Horz: 115.25"
Hole: 12"
Up(): 1.375"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS

1.375"

1.25"

1.375"

0"

115.25"

85"

46.125"

0"

360°

270°

180°

90°

0°

6"

30"

EXT

Coating (Int):

Coating (Ext):

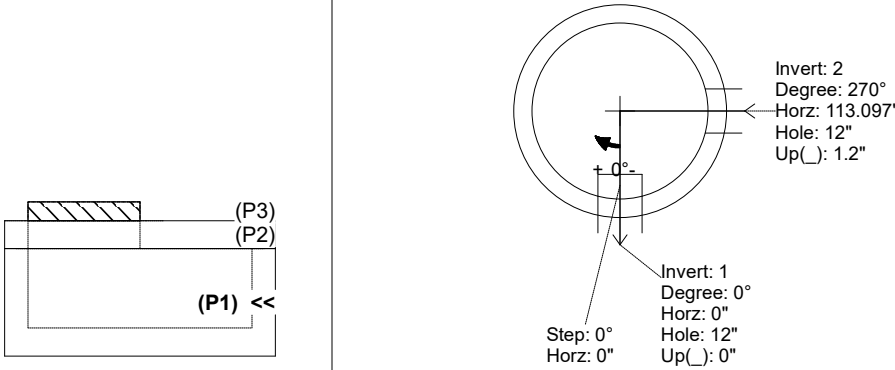
Seam Up: Tongue
Seam Dn: n/a

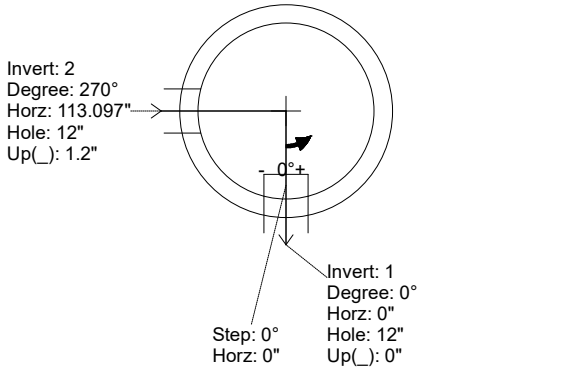
Wall Thickness: 5"
Floor Height: 6"

Height (Int): 30"
Height (Ext): 36"

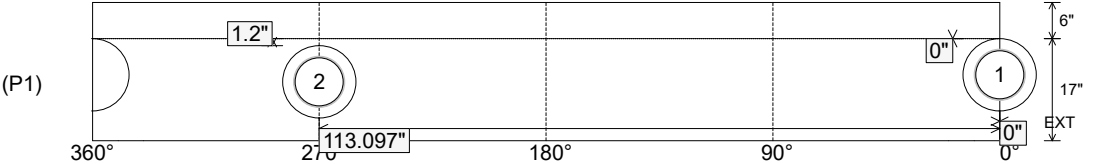
Weight (Net): 3234 lb
Volume (Net): 0.83cu.yd

Job Name: 26-2078 Lincoln & Coleman Street Sewer Job Location: Lawrenceburg, KY Contractor: Shouse Excavating					Plant: Beaver Dam 5/14/2026 1:15:59 PM		Tech: S. Felletter PC: C. Goff				
Structure ID: A1 SS-MH											
P1 MH048BAVF		MH BASE Custom Ht F/n									
P3) 24" - CASTING HEIGHT - 4" P2) 48" - MH FLAT TOP SPEC. HT. (6") w/24" ECC Hole F/F - 6" P1) 48" - MH BASE Custom Ht F/n - 17" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-285 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) MH Step ML-10-TDS-NCR - 10"					0 lb 1102 lb 2422 lb 0 lb 0 lb 1440 lb 284 lb 0 lb 16 lb 0 lb ----- Structure Total: 5264 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MCS-285 "SAN" F/C). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 805.15' Rim to Invert: 2.14' Slack: 0.68" Sump: 2" Step Position: 0°											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	803.01'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	803.11'	270°	136.659"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											





INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 17" Height (Ext): 23"	Weight (Net): 2422 lb Volume (Net): 0.62cu.yd
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Job Name: 26-2078 Lincoln & Coleman Street Sewer
Job Location: Lawrenceburg, KY
Contractor: Shouse Excavating

Plant: Beaver Dam

Tech: S. Felletter

5/14/2026 1:15:59 PM

PC: C. Goff



Structure ID: A1 SS-MH

P1 MH048BAVF

MH BASE Custom Ht F/n

P3) 24" - CASTING HEIGHT - 4"
P2) 48" - MH FLAT TOP SPEC. HT. (6") w/24" ECC Hole F/F - 6"
P1) 48" - MH BASE Custom Ht F/n - 17"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-285 F/C Sanitary
1) 48" - Conseal CS-102 1.00" (Double)
2) PSX - 12-08 NYLO
1) MH Step ML-10-TDS-NCR - 10"

0 lb
1102 lb
2422 lb
0 lb
0 lb
1440 lb
284 lb
0 lb
16 lb
0 lb

Structure Total: 5264 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MCS-285 "SAN" F/C).

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.

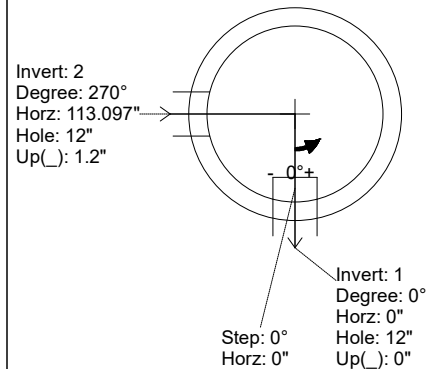
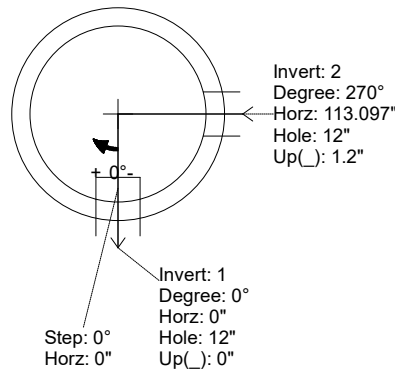
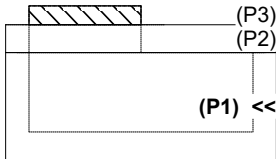
**Invert channel drawing
Full height invert**

Rim: 805.15' Rim to Invert: 2.14' Slack: 0.68" Sump: 2" Step Position: 0°

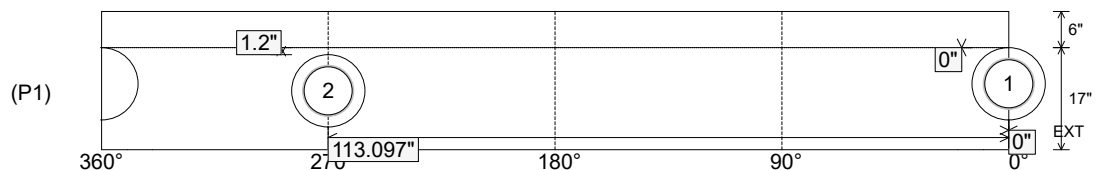
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	803.01'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	803.11'	270°	136.659"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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: 5"
Floor Height: 6"

Height (Int): 17"
Height (Ext): 23"

Weight (Net): 2422 lb
Volume (Net): 0.62cu.yd

Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
Job Location: Louisville, KY 40208
Contractor: Louisville Paving and Construction

Plant: 100

4/30/2026 1:22:57 PM

Tech: Jared - F

PC: J. Jarvis



Structure ID: S108

P2 MH048LD12S

MH FLAT TOP w/32"x32" Hole F/G

- P3) 32" x 32" - CASTING HEIGHT - 3"
P2) 48" - MH FLAT TOP w/32"x32" Hole F/G - 12"
P1) 48" - MH BASE Custom Ht T/n - 68"
1) CASTING - HOE 595 F/G
1) 48" - Conseal CS-102 1.00"
1) 32" x 32" - Conseal CS-102 1.00"
2) Hole - 24
2) Hole - 8
1) Hole - 20

0 lb
1629 lb
5509 lb
376 lb
0 lb
0 lb
0 lb
0 lb
0 lb

0 lb

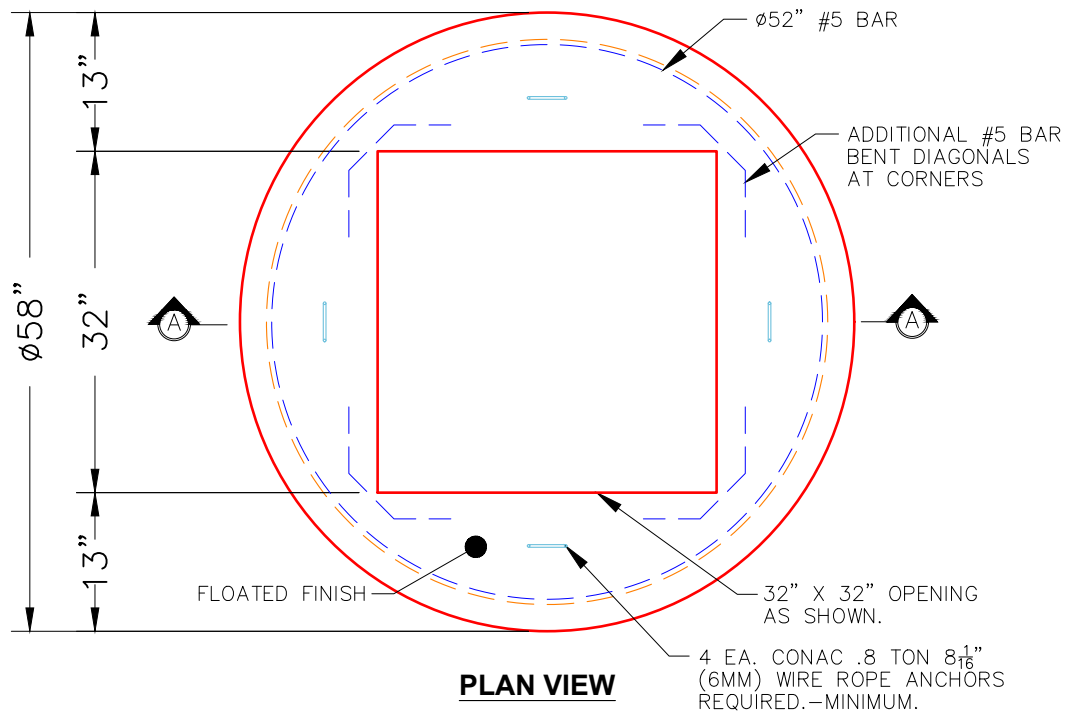
Structure Total: 7514 lb

Structure Notes:

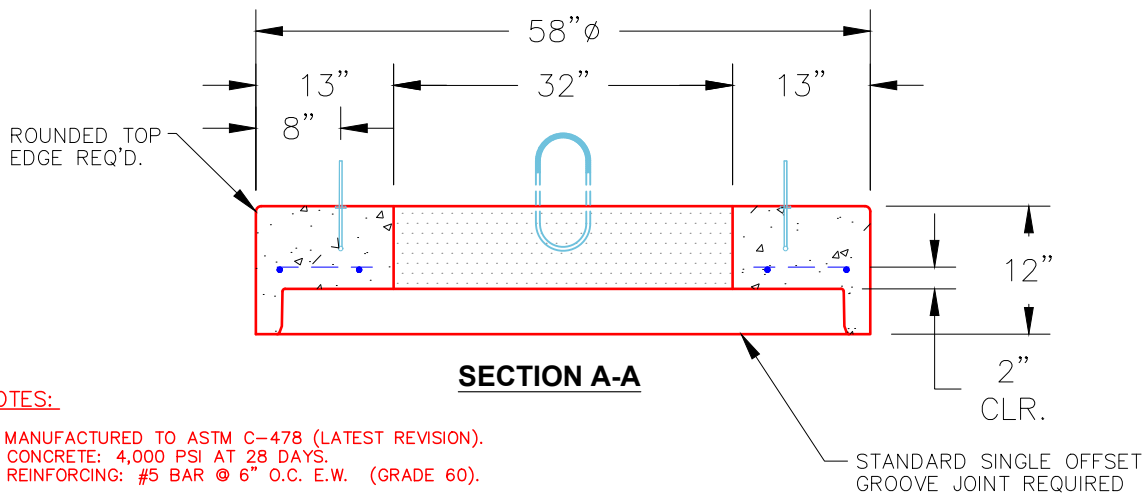
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 595 F/G)

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.



PLAN VIEW



NOTES:

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

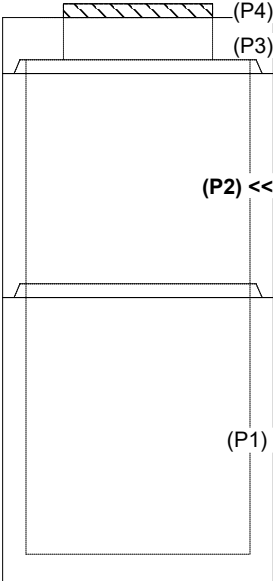
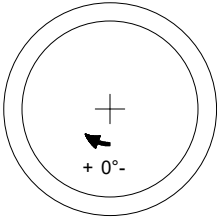
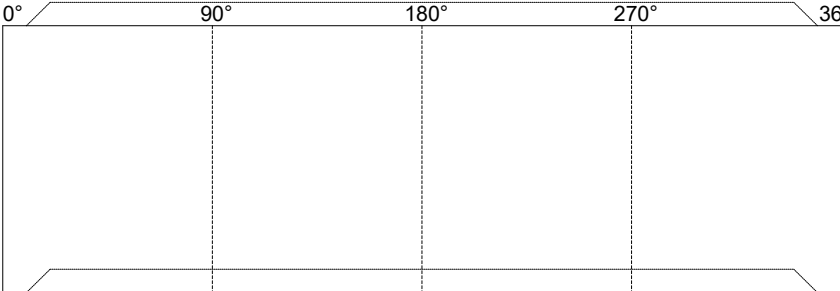
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1629 lb
Volume (Net): 0.42cu.yd

Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements Job Location: Louisville, KY 40208 Contractor: Louisville Paving and Construction					Plant: 100 4/30/2026 1:22:31 PM		Tech: Jared - F PC: J. Jarvis				
Structure ID: S116											
P2		MH048RS48S		MH RISER T/G							
P4) 32" x 32" - CASTING HEIGHT - 3" P3) 48" - MH FLAT TOP w/32"x32" Hole F/G - 12" P2) 48" - MH RISER T/G - 48" P1) 48" - MH BASE Custom Ht T/n - 55" 1) CASTING - HOE 595 F/G 2) 48" - Conseal CS-102 1.00" 1) 32" x 32" - Conseal CS-102 1.00" 2) Hole - 30						0 lb 1629 lb 3353 lb 4540 lb 376 lb 0 lb 0 lb 0 lb ----- Structure Total: 9899 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING BY ICAST (HOE 595 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.			
Rim: 455.25'		Rim to Invert: 9.85'		Slack: 0.2"		Sump: 0"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
		0° 90° 180° 270° 360° EXT 48"									
Coating (Int): Coating (Ext):				Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 5" Floor Height: 0"		Height (Int): 48" Height (Ext): 48"		Weight (Net): 3353 lb Volume (Net): 0.86cu.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 1:22:21 PM

Tech: J. Horsley - A

PC: Celina Goff

Structure ID: 2301577

P1 MH048BA24

MH BASE (08"F) T/n

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - CON CONE w/24" HOLE F/G - 24"

P3) 48" - MH RISER T/G - 60"

P2) 48" - MH RISER T/G - 60"

P1) 48" - MH BASE (08"F) T/n - 24"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

3) 48" - Conseal CS-102 1.00" (Double)

2) PSX - 12-08 NYLO

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

0 lb

2252 lb

4192 lb

4192 lb

3354 lb

1440 lb

0 lb

16 lb

0 lb

Structure Total: 15445 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 270 DEGREES

6. 7" CASTING SUPPLIED BY OTHERS

Rim: 769.66'

Rim to Invert: 14.64'

Slack: 2.68"

Sump: 2"

Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	755.02'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	755.12'	172°	87"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 172°
Horz: 72"
Hole: 12"
Up(): 1.25"

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

Step: 270°
Horz: 113.125"

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 172°
Horz: 72"
Hole: 12"
Up(): 1.25"

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

Step: 270°
Horz: 113.125"

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 8"

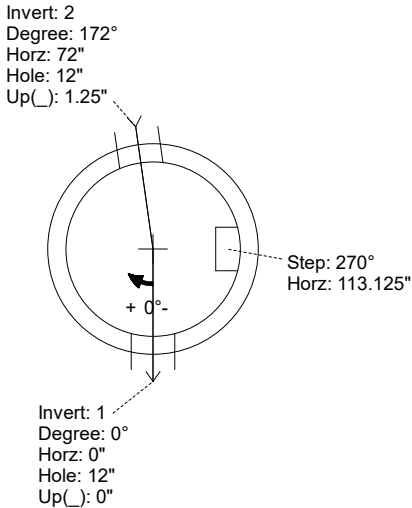
Height (Int): 24"

Height (Ext): 32"

Weight (Net): 3354 lb

Volume (Net): 0.86cu.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 1:22:21 PM		Tech: J. Horsley - A PC: Celina Goff			
Structure ID: 2301577										
P1 MH048BA24 MH BASE (08"F) T/n										
P5) 24" - CASTING HEIGHT - 7" P4) 48" - CON CONE w/24" HOLE F/G - 24" P3) 48" - MH RISER T/G - 60" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE (08"F) T/n - 24" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 3) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 13) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 4192 lb 4192 lb 3354 lb 1440 lb 0 lb 16 lb 0 lb ----- Structure Total: 15445 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 270 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS			
Rim: 769.66' Rim to Invert: 14.64' Slack: 2.68" Sump: 2" Step Position: 270°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	755.02'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	755.12'	172°	87"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

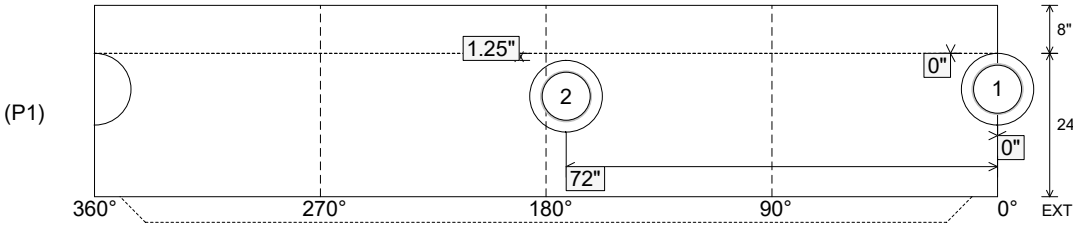


RIGHT-SIDE UP VIEW (int. dimensions)

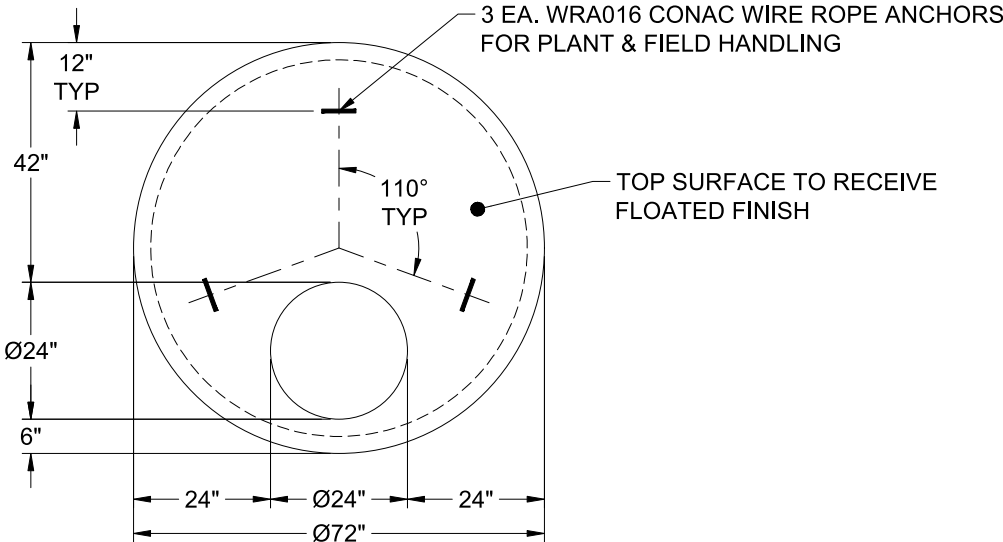
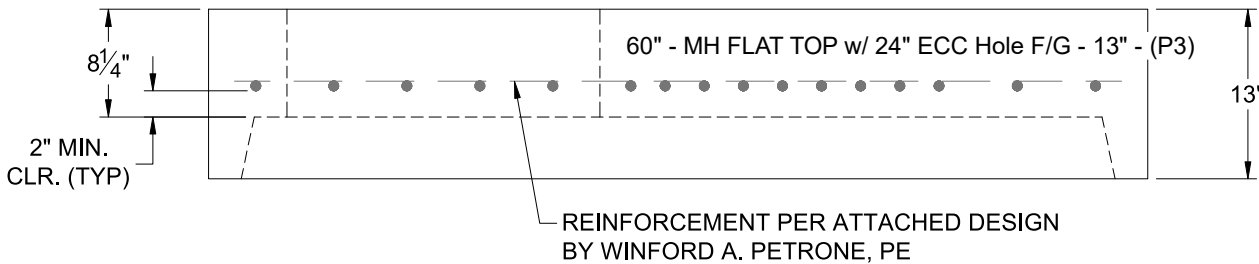
UPSIDE-DOWN VIEW (int. dimenions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS

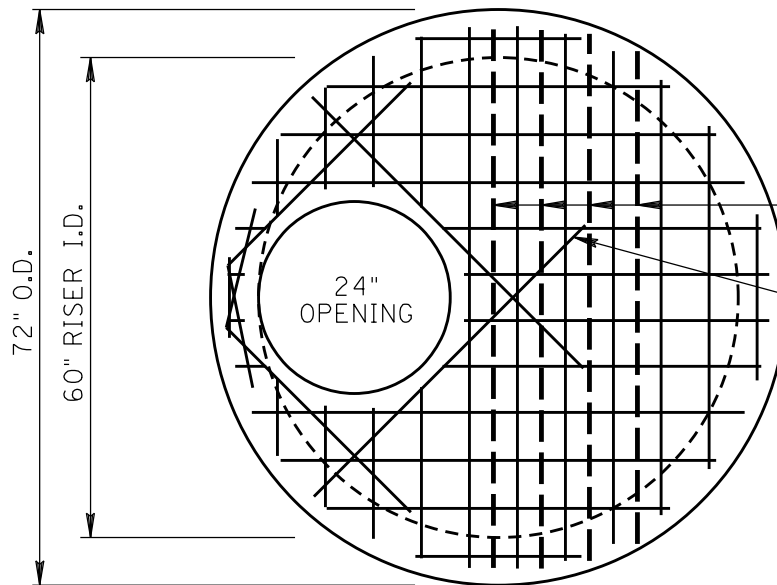


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 24" Height (Ext): 32"	Weight (Net): 3354 lb Volume (Net): 0.86cu.yd
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Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2		Plant: 100	Tech: J. Horsley	
Job Location: Danville, KY		6/7/2026 1:26:06 PM	PC: C. Goff	
Contractor: Hubert Excavating & Contracting				
Structure ID: MH A12				
P3 MH060LD13 MH FLAT TOP w/ 24" ECC Hole F/G				
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER w/COATING T/G - 60" P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 50" 2) JOINT WRAP - 12" WD x 060" MAC WRAP 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) SECONDARY POUR - Extended Flange 2) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 9) MH Step ML-10-TDS-NCR - 10" 236.49 SqFt) Carboline Bitumastic 300M [EXT]		0 lb 2869 lb 6264 lb 8187 lb 0 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 2 lb 0 lb 0 lb ----- 20013 lb	Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ATTACHED DESIGN BY WINFORD A. PETRONE, PE 4. CARBOLINE 300M EXTERIOR COATING REQUIRED 5. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS 6. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING 7. TOP SURFACE TO RECEIVE FLOATED FINISH	
				
				
Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 6"	Height (Ext): 13"	Weight (Net): 2869 lb Volume (Net): 0.73cu.yd

NOTES:

1. MIN. 28 DAY, COMPRESSIVE STRENGTH CONCRETE, $F'_c=4,000$ PSI.
2. MIN. YIELD STRENGTH, REBAR, $F_y=60,000$ PSI
3. DESIGN LIVE LOAD: HS20 WHEEL LOAD, APPLIED TO TOP.
4. ASSUMED SOIL PROPERTIES: 110 PCF.
5. RISER WALLS TO BE REINFORCED IN ACCORDANCE WITH ASTM C478.
6. SEE "ICAST" WORK ORDER SUBMITTALS FOR ADDITIONAL DETAILS.

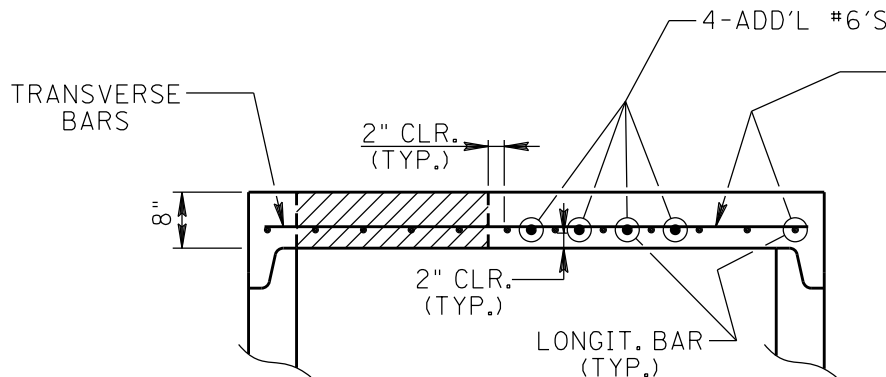


NOTE: PROVIDE #6'S @ 6" MAX. BOTT.-TYP. EACH WAY WITH: 4-ADDITIONAL #6'S PLACED ADJACENT TO OPENING. CUT BARS 2" CLEAR OF OPENING AS SHOWN.

4-ADD'L #6'S ALTERNATE BETWEEN #6@6".

#5X4'-0" PLACED OVER #6'S. CENTER ON OPENING AS SHOWN AND BEND AS NEEDED TO MAINTAIN 2" CLEAR TO EDGE OF SLAB (BOTT.-TYP.)

PLAN



#6'S @ 6" MAX. EA. WAY: PLACE LONGITUDINAL LAYER AT 2" CLR. AS SHOWN (BOTT.-TYP.)

SECTION

FLAT TOP FOR 60" MANHOLES



SK-2

FLAT-TOP FOR 60" RISERS

LEBANON RD./CLARKS RUN TRUNK SEWER, PHASE 2 DANVILLE, KY

Job Number:

25-3579

Job Name:

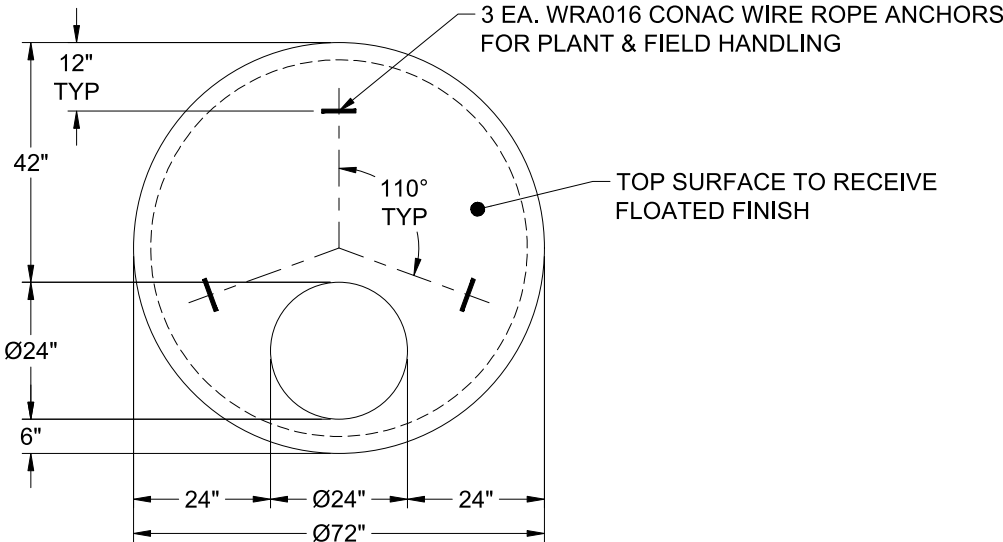
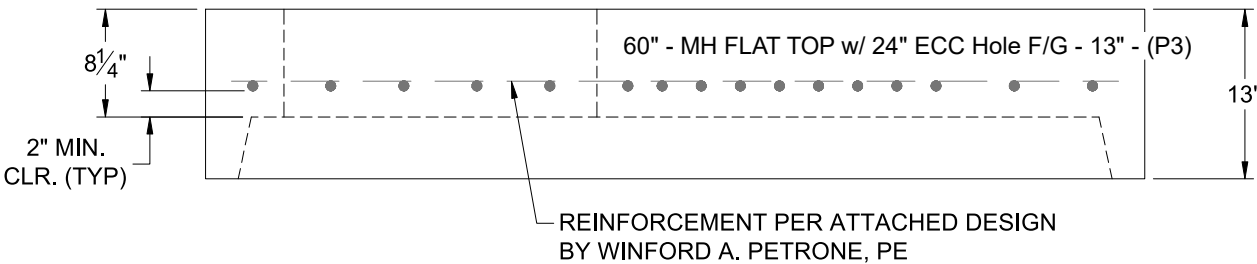
Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A12

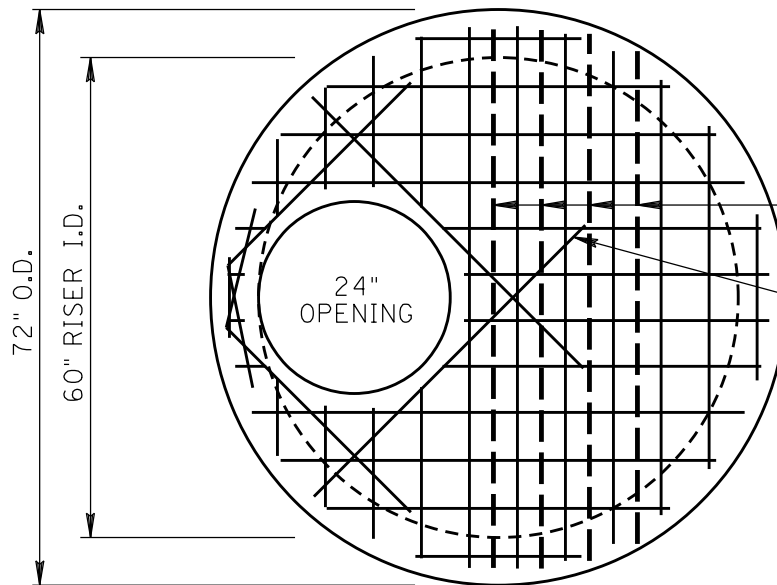
Note:

This Structure Is To Receive An
External Coating of Carboline 300M
(Supplied By iCast)

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2		Plant: 100	Tech: J. Horsley	
Job Location: Danville, KY		6/7/2026 1:26:05 PM	PC: C. Goff	
Contractor: Hubert Excavating & Contracting				
Structure ID: MH A11				
P3 MH060LD13		MH FLAT TOP w/ 24" ECC Hole F/G		
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER SPECIAL w/COATING T/G - 60" P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 56" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 2) JOINT WRAP - 12" WD x 060" MAC WRAP 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) SECONDARY POUR - Extended Flange 2) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 1) PSX - 8QRS-S NYLO 9) MH Step ML-10-TDS-NCR - 10" 245.92 SqFt) Carboline Bitumastic 300M [EXT]		0 lb 2869 lb 6238 lb 8813 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 0 lb 2 lb 6 lb 0 lb 0 lb Structure Total: 20621 lb	Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ATTACHED DESIGN BY WINFORD A. PETRONE, PE 4. CARBOLINE 300M EXTERIOR COATING REQUIRED 5. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS 6. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING 7. TOP SURFACE TO RECEIVE FLOATED FINISH	
				
				
Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 6"	Height (Ext): 13"	Weight (Net): 2869 lb Volume (Net): 0.73cu.yd

NOTES:

1. MIN. 28 DAY, COMPRESSIVE STRENGTH CONCRETE, $F'_c=4,000$ PSI.
2. MIN. YIELD STRENGTH, REBAR, $F_y=60,000$ PSI
3. DESIGN LIVE LOAD: HS20 WHEEL LOAD, APPLIED TO TOP.
4. ASSUMED SOIL PROPERTIES: 110 PCF.
5. RISER WALLS TO BE REINFORCED IN ACCORDANCE WITH ASTM C478.
6. SEE "ICAST" WORK ORDER SUBMITTALS FOR ADDITIONAL DETAILS.

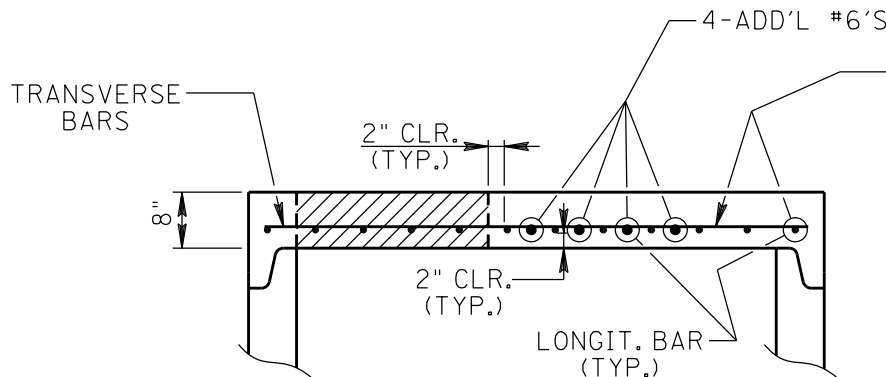


NOTE: PROVIDE #6'S @ 6" MAX. BOTT.-TYP. EACH WAY WITH: 4-ADDITIONAL #6'S PLACED ADJACENT TO OPENING. CUT BARS 2" CLEAR OF OPENING AS SHOWN.

4-ADD'L #6'S ALTERNATE BETWEEN #6@6".

#5X4'-0" PLACED OVER #6'S. CENTER ON OPENING AS SHOWN AND BEND AS NEEDED TO MAINTAIN 2" CLEAR TO EDGE OF SLAB (BOTT.-TYP.)

PLAN



#6'S @ 6" MAX. EA. WAY: PLACE LONGITUDINAL LAYER AT 2" CLR. AS SHOWN (BOTT.-TYP.)

SECTION

FLAT TOP FOR 60" MANHOLES



SK-2

FLAT-TOP FOR 60" RISERS

LEBANON RD./CLARKS RUN TRUNK SEWER, PHASE 2 DANVILLE, KY

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A11

Note:

This Structure Is To Receive An
External Coating of Carboline 300M
(Supplied By iCast)

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2 Job Location: Danville, KY Contractor: Hubert Excavating & Contracting				Plant: 100 6/7/2026 1:24:50 PM		Tech: J. Horsley PC: C. Goff				
Structure ID: MH A13										
P1 MH060BAEVF				MH BASE w/FLANGE (08F/07EF) w/Coating T/n						
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER w/COATING T/G - 60" P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 43" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 2) JOINT WRAP - 12" WD x 060" MAC WRAP 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) SECONDARY POUR - Extended Flange 2) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 8) MH Step ML-10-TDS-NCR - 10" 225.5 SqFt) Carboline Bitumastic 300M [EXT] <td colspan="2"> 0 lb 2869 lb 6264 lb 7456 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 2 lb 0 lb 0 lb Structure Total: 19282 lb </td> <td colspan="5"> Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 245 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS </td>				0 lb 2869 lb 6264 lb 7456 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 2 lb 0 lb 0 lb Structure Total: 19282 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 245 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS				
Rim: 899.98' Rim to Invert: 10.095' Slack: 0.355" Sump: 2.215" Step Position: 245°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	889.885'	0°	0"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0"	0"
Invert 2	889.935'	130°	81.625"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0.625"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P4)

(P3)

(P2)

(P1) <<

FIRST POUR (BASE):
6,289 LBS

SECOND POUR (EXT. FLANGE):
1,167 LBS

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INSIDE WALL DIMENSIONS

360°

270°

180°

90°

0°

EXT

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

Seam Up: Tongue
Seam Dn: n/a

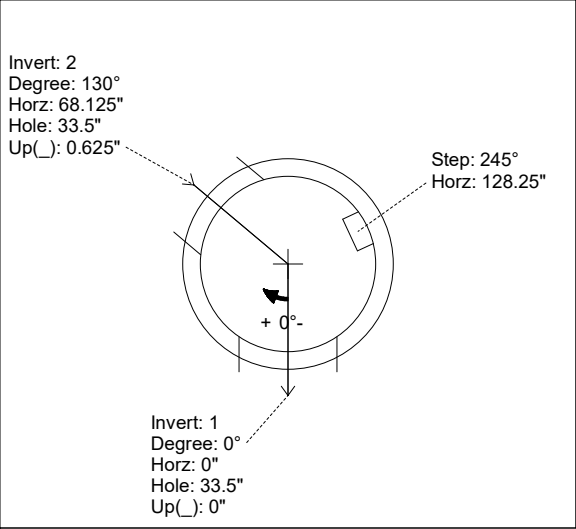
Wall Thickness: 6"
Floor Height: 8"

Height (Int): 43"
Height (Ext): 51"

Weight (Net): 7456 lb
Volume (Net): 1.9cu.yd

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2 Job Location: Danville, KY Contractor: Hubert Excavating & Contracting				Plant: 100 6/7/2026 1:24:50 PM		Tech: J. Horsley PC: C. Goff				
Structure ID: MH A13										
P1 MH060BAEVF				MH BASE w/FLANGE (08F/07EF) w/Coating T/n						
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER w/COATING T/G - 60" P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 43" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 2) JOINT WRAP - 12" WD x 060" MAC WRAP 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) SECONDARY POUR - Extended Flange 2) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 8) MH Step ML-10-TDS-NCR - 10" 225.5 SqFt) Carboline Bitumastic 300M [EXT]				0 lb 2869 lb 6264 lb 7456 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 0 lb 2 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 - FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 245 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS				
Rim: 899.98' Rim to Invert: 10.095' Slack: 0.355" Sump: 2.215" Step Position: 245°				Structure Total: 19282 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	889.885'	0°	0"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0"	0"
Invert 2	889.935'	130°	81.625"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0.625"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

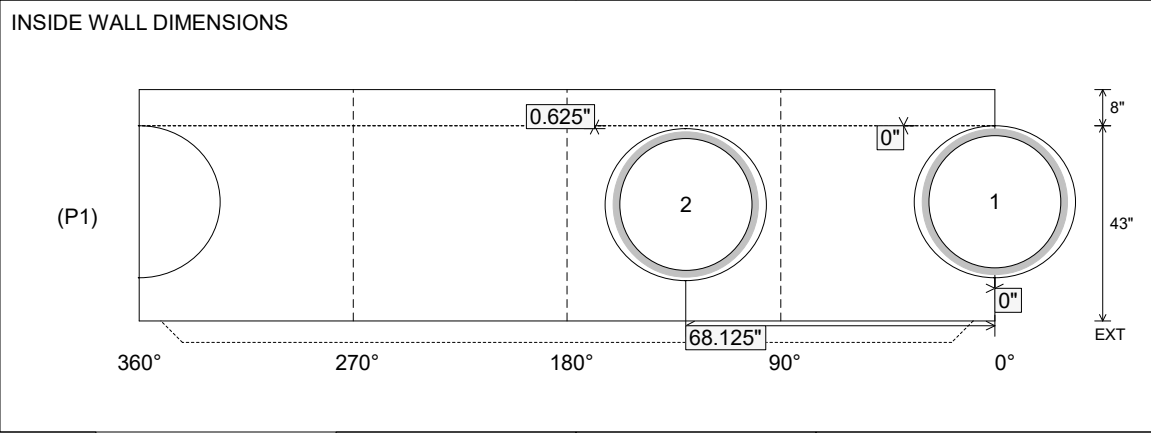
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 43" Height (Ext): 51"	Weight (Net): 7456 lb Volume (Net): 1.9cu.yd
--	---------------------------------	--	--	---

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A13

Note:

This Structure Is To Receive An
External Coating of Carboline 300M
(Supplied By iCast)

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2					Plant: 100		Tech: J. Horsley			
Job Location: Danville, KY					6/7/2026 1:24:49 PM		PC: C. Goff			
Contractor: Hubert Excavating & Contracting										
Structure ID: MH A12										
P1 MH060BAEVF MH BASE w/FLANGE (08F/07EF) w/Coating T/n										
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER w/COATING T/G - 60" P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 50" 2) JOINT WRAP - 12" WD x 060" MAC WRAP 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) SECONDARY POUR - Extended Flange 2) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 9) MH Step ML-10-TDS-NCR - 10" 236.49 SqFt) Carboline Bitumastic 300M [EXT] 0 lb 2869 lb 6264 lb 8187 lb 0 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 2 lb 0 lb 0 lb Structure Total: 20013 lb Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: DRILL & DOWEL #5 BAR @ 8" C.C. E.W. (GRADE 60) FOR FLANGE POUR TIE-IN - 4" MIN. PENETRATION INTO BASE FLOOR & 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 116.5 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS					Rim: 900.49' Rim to Invert: 10.655' Slack: 0.075" Sump: 2.215" Step Position: 116.5°					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	889.835'	0°	0"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0"	0"
Invert 2	889.885'	233°	146.375"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0.625"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P4)

(P3)

(P2)

(P1) <<

DRILL & DOWEL #5 BAR @ 8" C.C. E.W. (GRADE 60) OUT OF BASE FLOOR FOR FLANGE POUR TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR & 2" MIN. REBAR CLEARANCE (TYP)

RIGHT-SIDE UP VIEW (int. dimensions)

FIRST POUR (BASE): 7,020 LBS

SECOND POUR (EXT. FLANGE): 1,167 LBS

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2
Degree: 233°
Horz: 122"
Hole: 33.5"
Up(): 0.625"

Step: 116.5°
Horz: 61"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 33.5"
Up(): 0"

INSIDE WALL DIMENSIONS

(P1)

0.625"

2

122"

360°

270°

180°

90°

0°

8"

50"

EXT

1

0"

Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 50" Height (Ext): 58"	Weight (Net): 8187 lb Volume (Net): 2.09cu.yd
--	---------------------------------	--	--	--

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2 Job Location: Danville, KY Contractor: Hubert Excavating & Contracting					Plant: 100 6/7/2026 1:24:49 PM		Tech: J. Horsley PC: C. Goff				
Structure ID: MH A12											
P1		MH060BAEVF		MH BASE w/FLANGE (08F/07EF) w/Coating T/n							
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER w/COATING T/G - 60" P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 50" 2) JOINT WRAP - 12" WD x 060" MAC WRAP 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) SECONDARY POUR - Extended Flange 2) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 9) MH Step ML-10-TDS-NCR - 10" 236.49 SqFt) Carboline Bitumastic 300M [EXT]					0 lb 2869 lb 6264 lb 8187 lb 0 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 2 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 - FLOOR: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. CARBOLINE 300M EXTERIOR COATING REQUIRED 6. STEPS AT 116.5 DEGREES 7. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS				
Rim: 900.49' Rim to Invert: 10.655' Slack: 0.075' Sump: 2.215' Step Position: 116.5°					Structure Total: 20013 lb						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	889.835'	0°	0"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0"	0"	
Invert 2	889.885'	233°	146.375"	30" PVC F679 (PS115)	32"	A-Lok 1040	33.5"	35.543"	0.625"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 233°
Horz: 122"
Hole: 33.5"
Up(): 0.625"

Step: 116.5°
Horz: 61"

+ 0°-

Invert: 1
Degree: 0°
Horz: 0"
Hole: 33.5"
Up(): 0"

UPSIDE-DOWN VIEW (int. dimenions)

INVERT CHANNEL
DRAWING

INSIDE WALL DIMENSIONS

(P1)

0.625"

2

122"

360°

270°

180°

90°

0°

EXT

8"

50"

0"

1

0"

Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 50" Height (Ext): 58"	Weight (Net): 8187 lb Volume (Net): 2.09cu.yd
--	---------------------------------	--	--	--

Job Number:

25-3579

Job Name:

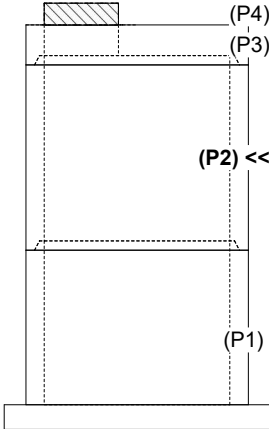
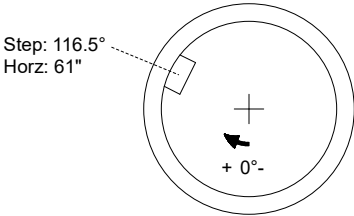
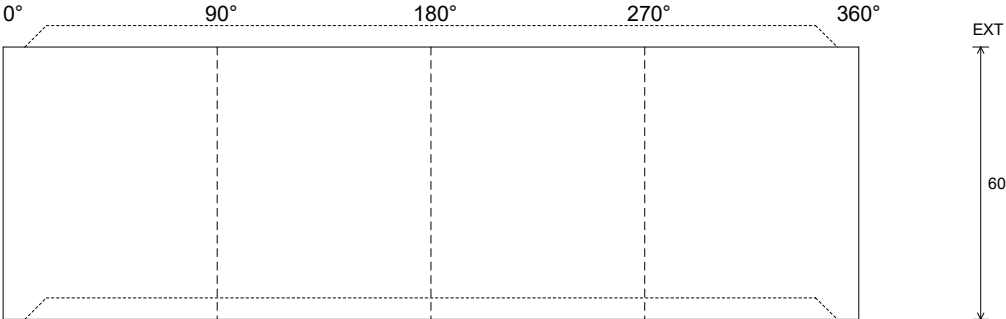
Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A12

Note:

This Structure Is To Receive An
External Coating of Carboline 300M
(Supplied By iCast)

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2		Plant: 100	Tech: J. Horsley							
Job Location: Danville, KY		6/7/2026 1:25:23 PM	PC: C. Goff							
Contractor: Hubert Excavating & Contracting										
Structure ID: MH A12										
P2 MH060RS60S		MH RISER w/COATING T/G								
P4) 24" - CASTING HEIGHT - 7" P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13" P2) 60" - MH RISER w/COATING T/G - 60" P1) 60" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 50" 2) JOINT WRAP - 12" WD x 060" MAC WRAP 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SPECIAL EXTERNAL COATING - Carboline 300M 1) SECONDARY POUR - Extended Flange 2) 60" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1040 9) MH Step ML-10-TDS-NCR - 10" 236.49 SqFt) Carboline Bitumastic 300M [EXT]		0 lb 2869 lb 6264 lb 8187 lb 0 lb 2692 lb 0 lb 0 lb 0 lb 0 lb 2 lb 0 lb 0 lb ----- 20013 lb	Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. CARBOLINE 300M EXTERIOR COATING REQUIRED 5. STEPS AT 116.5 DEGREES 6. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS							
Rim: 900.49' Rim to Invert: 10.655' Slack: 0.075" Sump: 2.215" Step Position: 116.5°										
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): Carboline Bitumastic 300M		Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 6" Floor Height: 0"		Height (Int): 60" Height (Ext): 60"		Weight (Net): 6264 lb Volume (Net): 1.6cu.yd		

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A12

Note:

This Structure Is To Receive An
External Coating of Carboline 300M
(Supplied By iCast)



Weight (Net): 10483 lb
Volume (Net): 2.68cu.yd

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A10

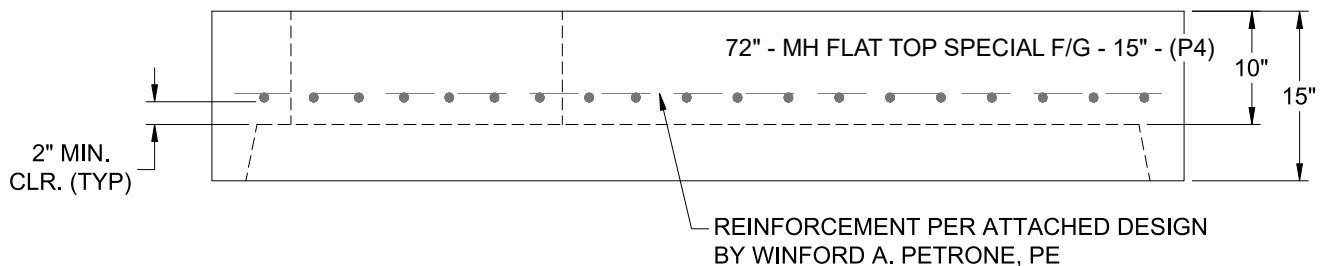
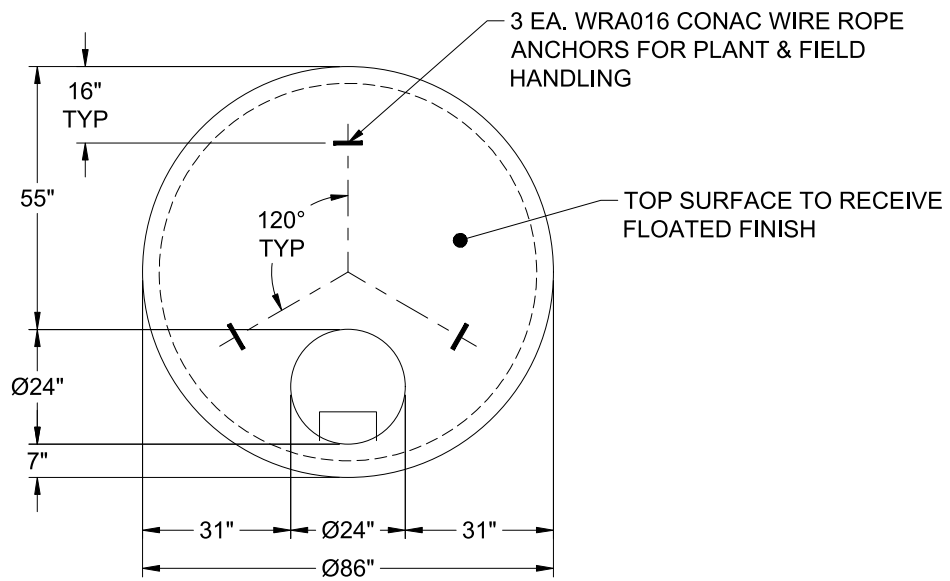
Note:

This Structure Is To Receive An
External Coating of Carboline 300M
(Supplied By iCast)

Job Name: 25-3579 - Lebanon Rd Clarks Run Trunk Sewer Ph 2		Plant: 100	Tech: J. Horsley	
Job Location: Danville, KY		6/7/2026 1:26:03 PM	PC: C. Goff	
Contractor: Hubert Excavating & Contracting				
Structure ID: MH A9				
P4	MH072LD15SP	MH FLAT TOP SPECIAL F/G		

- P5) 24" - CASTING HEIGHT - 7"
 P4) 72" - MH FLAT TOP SPECIAL F/G - 15"
 P3) 72" - MH RISER SPECIAL w/COATING T/G - 72"
 P2) 72" - MH RISER w/COATING T/G - 72"
 P1) 72" - MH BASE w/FLANGE (08F/07EF) w/Coating T/n - 43"
 1) SPECIAL EXTERNAL COATING - Carboline 300M
 1) 72" - MH INVERT CHANNEL - FULL HEIGHT
 3) JOINT WRAP - 12" WD x 072" MAC WRAP
 1) SECONDARY POUR - Extended Flange
 3) 72" - Conseal CS-102 1.00" (Double)
 1) 24" - Conseal CS-102 1.00" (Double)
 2) A-Lok - 1040
 2) Kor-N-Seal2 - S206-28
 15) MH Step ML-10-TDS-NCR - 10"
 436.79 SqFt) Carboline Bitumastic 300M [EXT]

0 lb	Structure Notes:
5254 lb	
10126 lb	1. PER ASTM C-478 SPECIFICATIONS
10496 lb	2. CONCRETE: 4,000 PSI AT 28 DAYS
10101 lb	3. REINFORCEMENT: PER ATTACHED DESIGN BY WINFORD A. PETRONE, PE
0 lb	4. CARBOLINE 300M EXTERIOR COATING REQUIRED
5422 lb	5. STEPS REQUIRED
0 lb	6. HOE MC-375 FRAME & COVER "SANITARY" SUPPLIED BY OTHERS
0 lb	7. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
2 lb	8. TOP SURFACE TO RECEIVE FLOATED FINISH
13 lb	
0 lb	
0 lb	
0 lb	
Structure Total: 41414 lb	

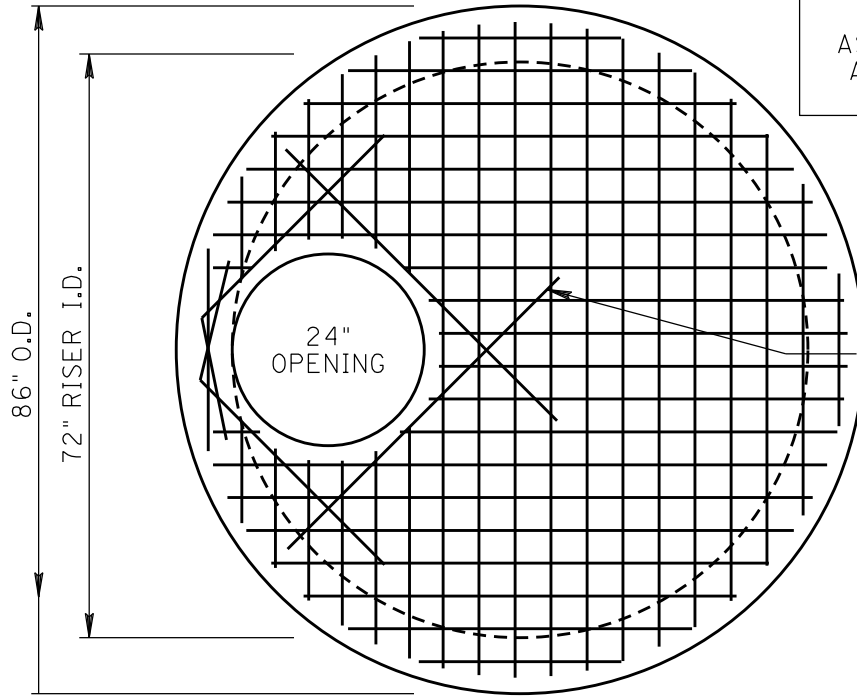


Coating (Int): Coating (Ext): Carboline Bitumastic 300M	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 7"	Height (Ext): 15"	Weight (Net): 5254 lb Volume (Net): 1.34cu.yd
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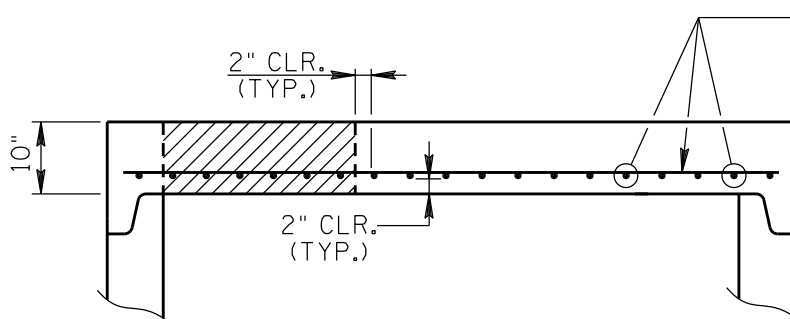
NOTES:

1. MIN. 28 DAY, COMPRESSIVE STRENGTH CONCRETE, $F'_c=4,000$ PSI.
2. MIN. YIELD STRENGTH, REBAR, $F_y=60,000$ PSI
3. DESIGN LIVE LOAD: HS20 WHEEL LOAD, APPLIED TO TOP.
4. ASSUMED SOIL PROPERTIES: 110 PCF.
5. RISER WALLS TO BE REINFORCED IN ACCORDANCE WITH ASTM C478.
6. SEE "ICAST" WORK ORDER SUBMITTALS FOR ADDITIONAL DETAILS.

NOTE: PROVIDE #6'S @ $4\frac{1}{2}$ " MAX. BOTT.-TYP. EACH WAY WITH ADDITIONAL #5'S PLACED AS SHOWN. PLACE FIRST #6 ADJACENT TO OPENING AT 2" CLR. OF OPENING.



PLAN



SECTION

FLAT TOP FOR 72" MANHOLES



SK-4

STORM STRUCTURE: 72" TOP SLAB

LEBANON RD./CLARKS RUN TRUNK SEWER, PHASE 2 DANVILLE, KY

Job Number:

25-3579

Job Name:

Lebanon Rd Clarks Run Trunk Sewer
Ph 2

Structure:

MH A9

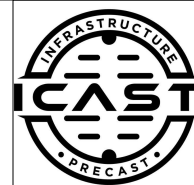
Note:

This Structure Is To Receive An
External Coating of Carboline 300M
(Supplied By iCast)

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

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

Tech: J. Coppage
PC: C. Goff



Structure ID: MD-11

P1 MH084BAVF

MH BASE Custom Ht

- P3) 48" x 48" - CASTING HEIGHT - 0"
P2) 84" - MH FLAT TOP w/48"x48" Hole - 14.5"
P1) 84" - MH BASE Custom Ht - 69"
1) CASTING - JBS TYPE 39 TDOT GRATES (48" X 48")
1) 84" - Conseal CS-102 1.00"
1) 48" x 48" - Conseal CS-102 1.00"
1) Hole - 54
1) Hole - 53

- 0 lb
6753 lb
15431 lb
459 lb
0 lb
0 lb
0 lb
0 lb

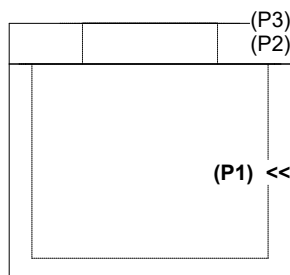
Structure Total: 22643 lb
- Structure Notes:**
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS TDOT TYPE 39 BY ICAST
4. REINFORCING PER TDOT DRAWING D-CB-39RB
ASTM A615 (GRADE 60).
5. PRODUCTION TO PLACE A 4.5" DEEP X 2" WIDE
RECESS IN THE TOP INSIDE OF THE 0 DEGREE
AND THE 180 DEGREE WALL OF THE TOP SLAB.

Rim: 770.97' Rim to Invert: 6.61' Slack: 0.32" Sump: 4.5" Step Position:

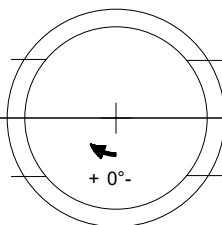
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	764.36'	90°	78.54"	42" RCP B WALL	51"	Hole 54	54"	58.651"	0"	0"
Invert 2	764.65'	270°	235.619"	42" RCP B WALL	51"	Hole 53	53"	57.354"	3.48"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

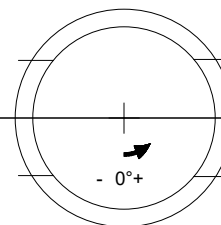


Invert: 1
Degree: 90°
Horz: 65.973"
Hole: 54"
Up(_): 0"



Invert: 2
Degree: 270°
Horz: 197.92"
Hole: 53"
Up(_): 3.48"

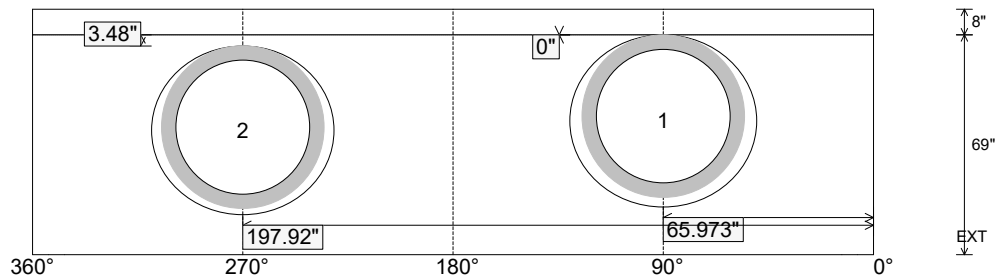
Invert: 2
Degree: 270°
Horz: 197.92"
Hole: 53"
Up(_): 3.48"



Invert: 1
Degree: 90°
Horz: 65.973"
Hole: 54"
Up(_): 0"

INSIDE WALL DIMENSIONS

(P1)



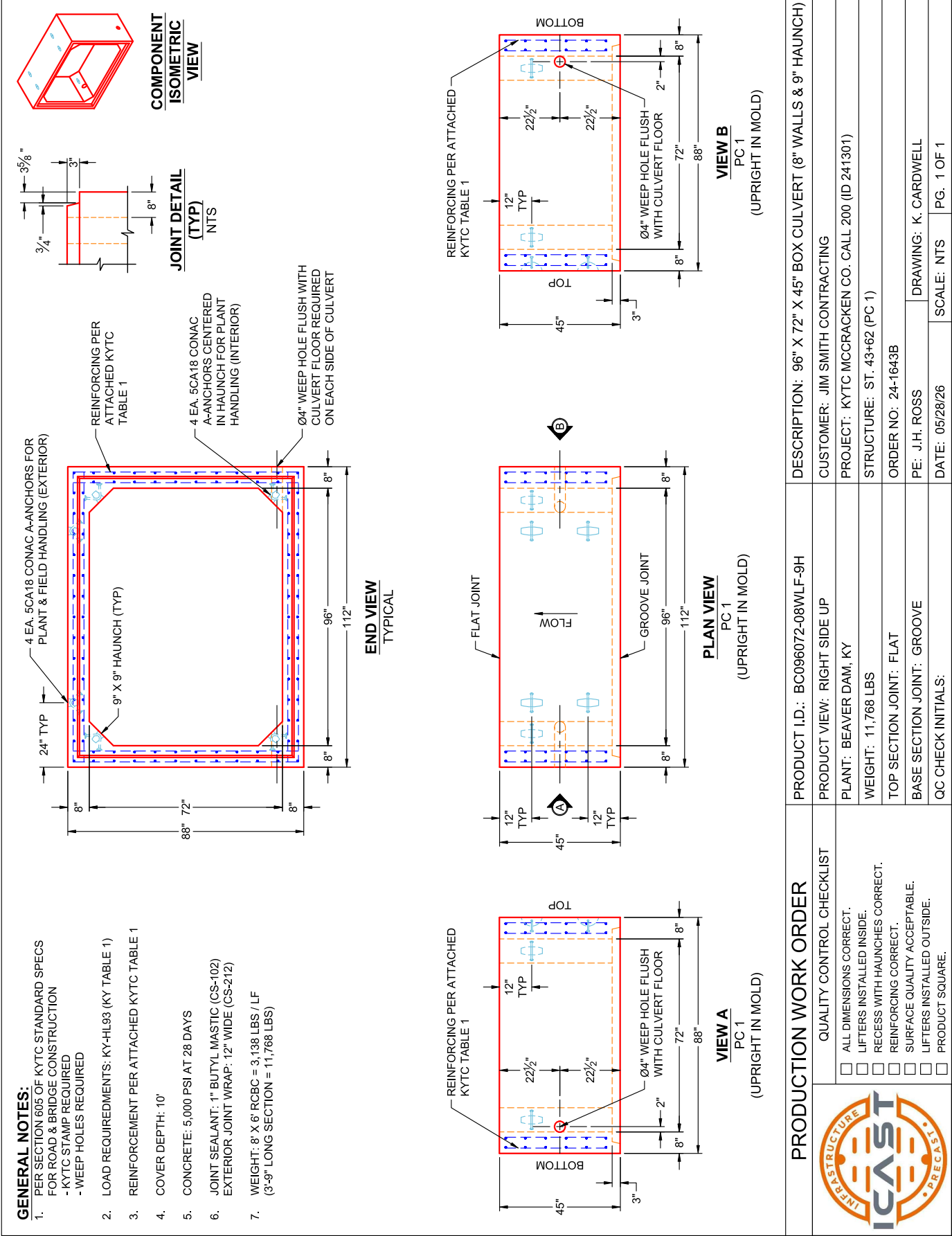
Coating (Int):
Coating (Ext):

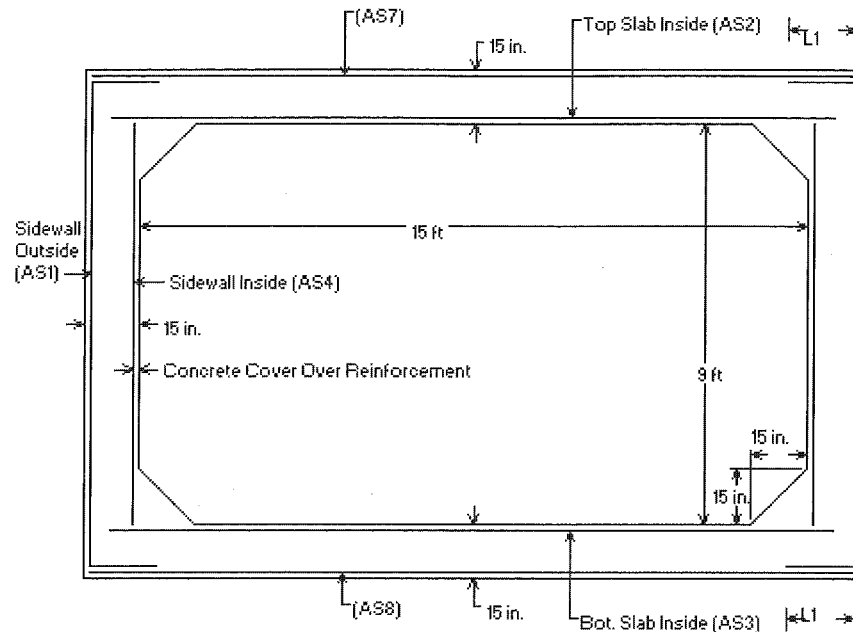
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 69"
Height (Ext): 77"

Weight (Net): 15431 lb
Volume (Net): 3.94cu.yd





- * <L1> is Splice Length
- * (AS7) is Top Slab Outside
- * (AS8) is Bottom Slab Outside
- * See Box Culvert Design Summary Sheet for transverse and distribution reinforcement, as required.
- * For sidewall thicknesses of 6 in. and above, extend AS2 and AS3 a min. of 4 in. beyond the inside face of the sidewall. For thicknesses less than 6 in., extend AS2 and AS3 at least to within 1-1/2 in. of the outside face of the sidewall.

Notes:

- 1) Other reinforcement schemes that provide the required reinforcement areas at all locations identified in the program output are acceptable.
- 2) Longitudinal reinforcement is not shown for clarity, see AASHTO M259 for longitudinal reinforcement and for additional requirements.

KY Table 1

Precast Culvert KYHL-93 Design Table

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x6x8	0<2	0.267	0.536	0.382	0.192	0.192	0.192	0.192	0.192
	2<3	0.266	0.458	0.382	0.192	0.192	0.192	0.192	0.192
	3-5	0.237	0.392	0.359	0.192	0.192	0.192		
	10	0.244	0.365	0.38	0.192	0.192	0.192		
	15	0.321	0.489	0.505	0.192	0.192	0.192		
	20	0.408	0.627	0.644	0.192	0.192	0.192		
	25	0.502	0.774	0.791	0.192	0.192	0.192		
	30	0.602	0.928	0.946	0.192	0.192	0.192		
	35	0.708	1.089	1.108	0.192	0.192	0.192		

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

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

User Specified (Not by Code)	
Length	Width

Interstate Tandem Truck Wheel Layout

0.67A 14 ft 5 ft 0.5A 4 ft

A = Axle Load

By Code	lb/ft

Vehicle Loads

Vertical

Top of Culvert (LLTC) Bottom of Culvert (LLBC)

By Code	lb/ft

[Return to Main Menu](#)

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

Plant: 100
5/29/2026 8:41:17 AM

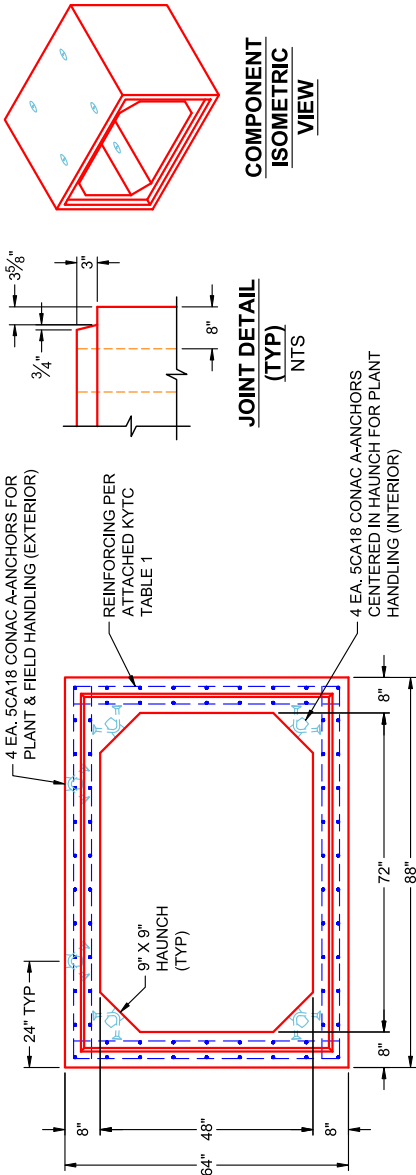
Tech: Jared - A
PC: A. Chambers



Structure ID: BC 6 x 4 (Sec J)

P1 BC048072-08WLF-9H

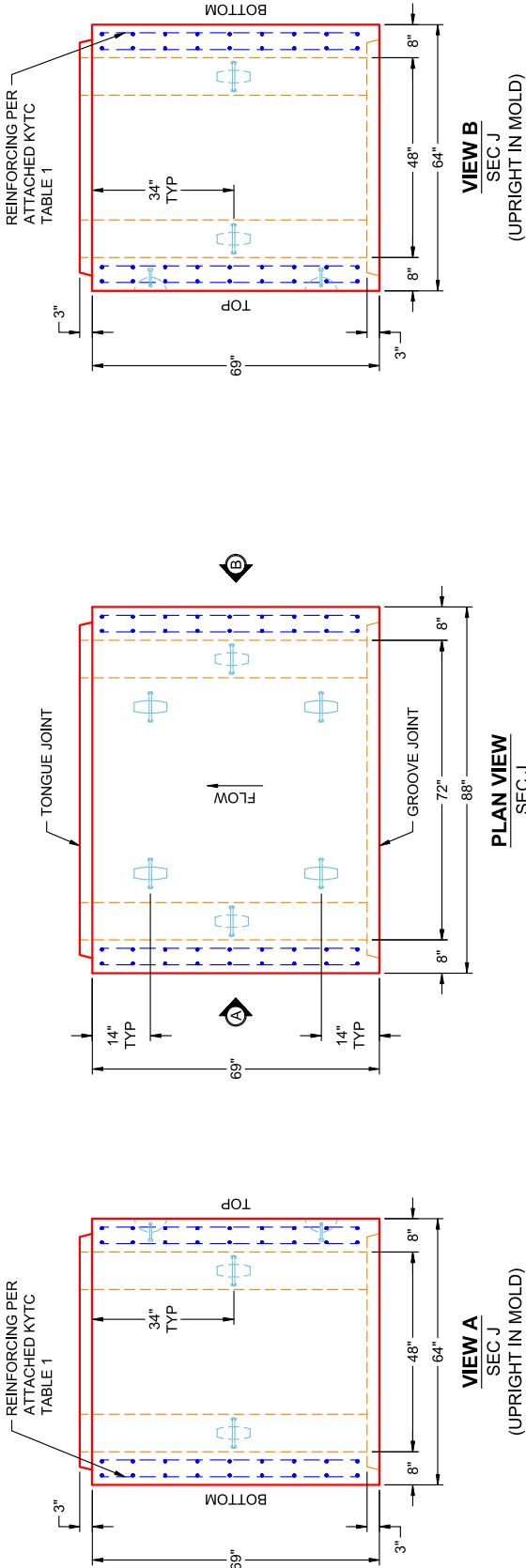
BOX CULVERT (08W/08F/08T) G/T



COMPONENT
ISOMETRIC
VIEW

JOINT DETAIL
(TYP)
NTS

END VIEW
TYPICAL



VIEW B
SEC J
(UPRIGHT IN MOLD)

PLAN VIEW
SEC J
(UPRIGHT IN MOLD)

VIEW A
SEC J
(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

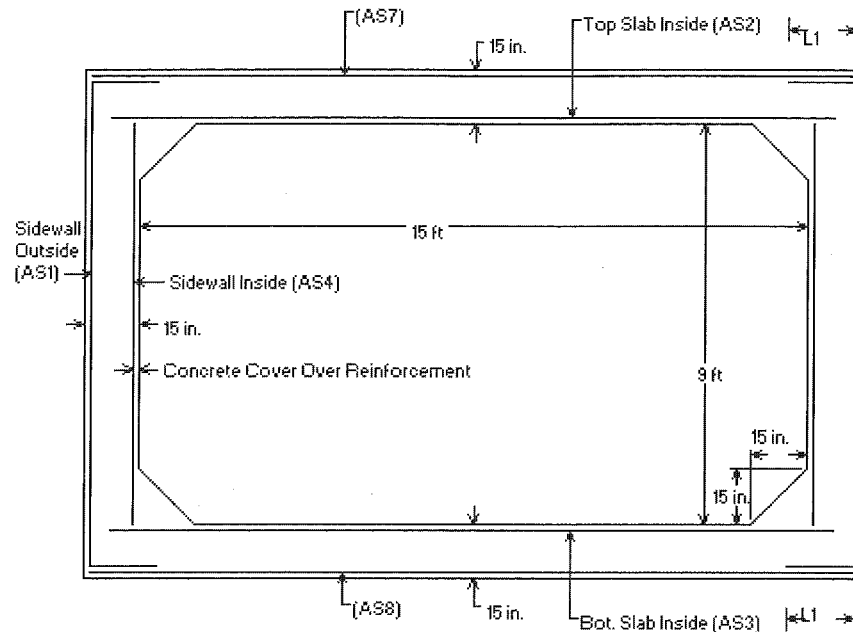


- QUALITY CONTROL CHECKLIST
- ☐ ALL DIMENSIONS CORRECT.
 - ☐ LIFTERS INSTALLED INSIDE.
 - ☐ RECESS WITH HAUNCHES CORRECT.
 - ☐ REINFORCING CORRECT.
 - ☐ SURFACE QUALITY ACCEPTABLE.
 - ☐ LIFTERS INSTALLED OUTSIDE.
 - ☐ PRODUCT SQUARE.

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 J)
ORDER NO: 25-2898
PE: J.H. ROSS
DRAWING: K. CARDWELL
DATE: 05/29/26
SCALE: NTS
PG. 1 OF 1

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- * <L1> is Splice Length
- * (AS7) is Top Slab Outside
- * (AS8) is Bottom Slab Outside
- * See Box Culvert Design Summary Sheet for transverse and distribution reinforcement, as required.
- * For sidewall thicknesses of 6 in. and above, extend AS2 and AS3 a min. of 4 in. beyond the inside face of the sidewall. For thicknesses less than 6 in., extend AS2 and AS3 at least to within 1-1/2 in. of the outside face of the sidewall.

Notes:

- 1) Other reinforcement schemes that provide the required reinforcement areas at all locations identified in the program output are acceptable.
- 2) Longitudinal reinforcement is not shown for clarity, see AASHTO M259 for longitudinal reinforcement and for additional requirements.

KY Table 1

Precast Culvert KYHL-93 Design Table

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
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"									

Interstate/Tandem Truck Wheel Layout

Interstate/Tandem Truck Wheel Layout

Length Width

10	in.	20	in.
10	in.	20	in.
0	in.	0	in.
10	in.	24	in.
10	in.	20	in.
10	in.	20	in.

Interstate/Tandem Truck Wheel Layout

Length Width

10	in.	20	in.
10	in.	20	in.
0	in.	0	in.
10	in.	24	in.
10	in.	20	in.
10	in.	20	in.

Interstate/Tandem Truck Wheel Layout

Length Width

10	in.	20	in.
10	in.	20	in.
0	in.	0	in.
10	in.	24	in.
10	in.	20	in.
10	in.	20	in.

Interstate/Tandem Truck Wheel Layout

Length Width

10	in.	20	in.
10	in.	20	in.
0	in.	0	in.
10	in.	24	in.
10	in.	20	in.
10	in.	20	in.

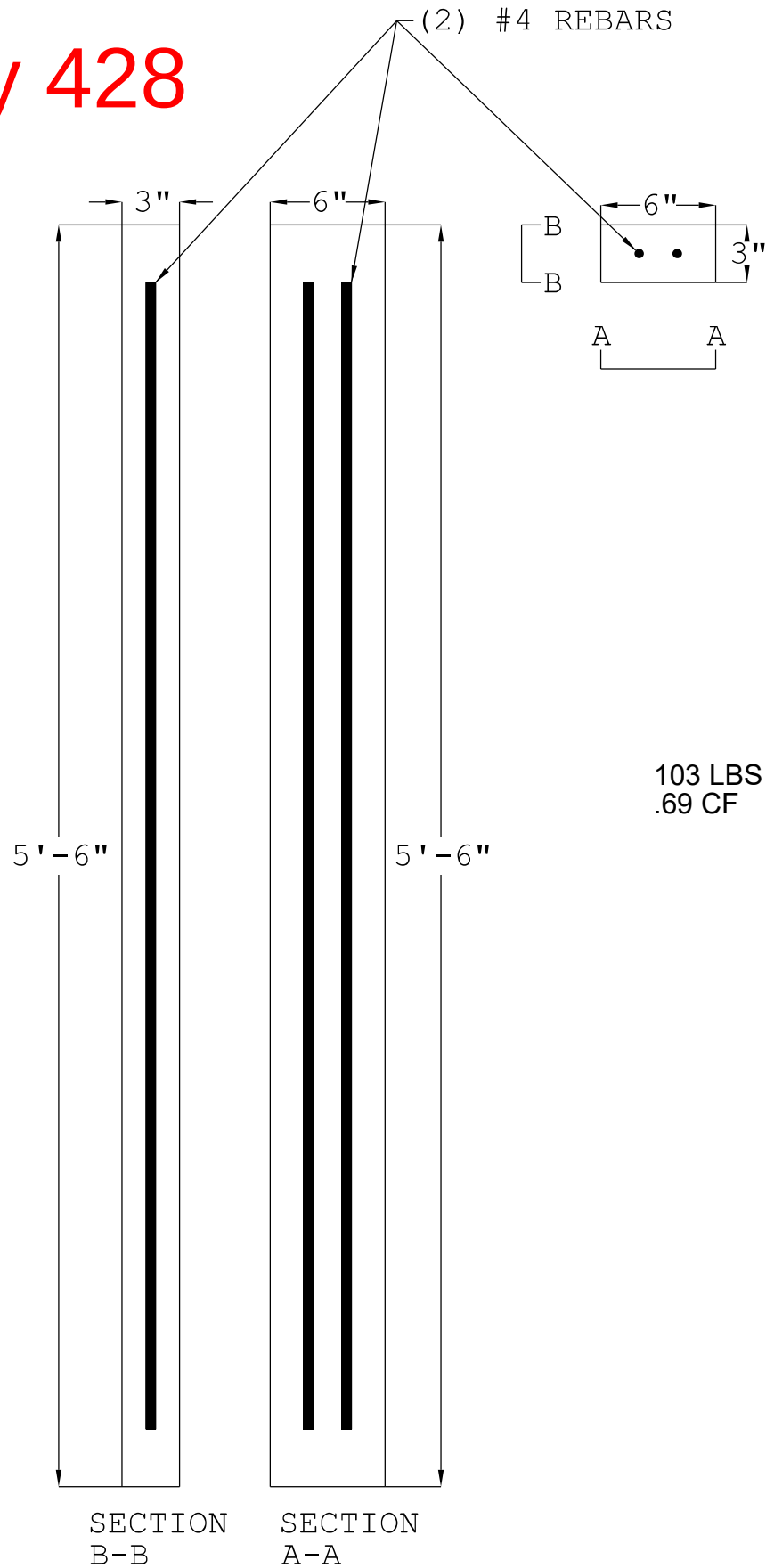
Interstate/Tandem Truck Wheel Layout

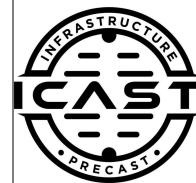
Length Width

10	in.	20	in.
10	in.	20	in.
0	in.	0	in.
10	in.	24	in.
10	in.	20	in.
10	in.	20	in.

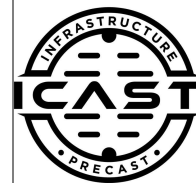
ALCOA CONCRETE LOGS

Quantity 428



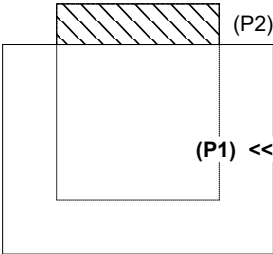


Weight (Net): 5573 lb
Volume (Net): 1.42cu.yd

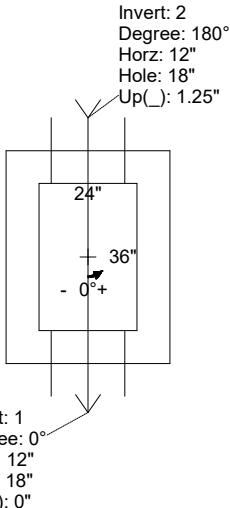


Weight (Net): 3355 lb
Volume (Net): 0.86cu.yd

Job Name: 26-1364 - Ollie Car Wash Job Location: Owensboro, KY Contractor: Winwater Hartford KY Co.					Plant: 100 6/8/2026 12:13:28 PM		Tech: Jared - F PC: A. Chambers			
Structure ID: 472,44-3 ST-CI										
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n						
P2) 24" x 36" - CASTING HEIGHT - 6" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 23" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 18					0 lb 3401 lb 442 lb 0 lb 0 lb ----- 3843 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 (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: 474.82' Rim to Invert: 2.38' Slack: 0.81" Sump: 1.25" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	472.44'	0°	20"	12" HDPE	14.5"	Hole 18	18"	18"	0"	0"
Invert 2	472.54'	180°	20"	12" HDPE	14.5"	Hole 18	18"	18"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

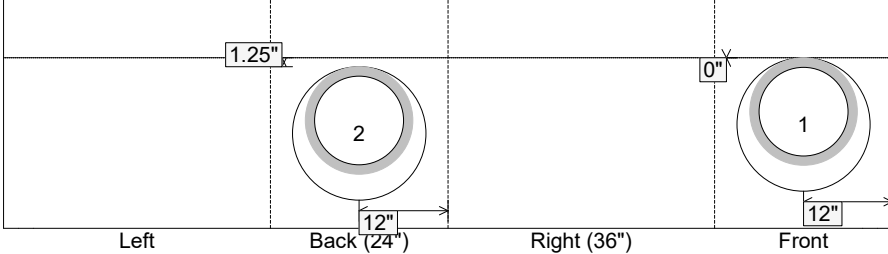


RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

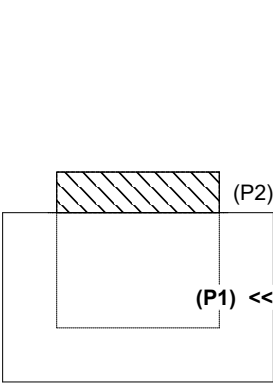
INSIDE WALL DIMENSIONS



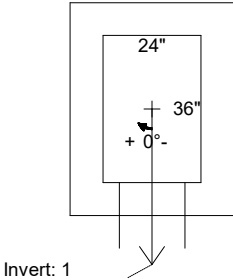
Left Back (24") Right (36") Front

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 23" Height (Ext): 31"	Weight (Net): 3401 lb Volume (Net): 0.87cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 26-1364 - Ollie Car Wash Job Location: Owensboro, KY Contractor: Winwater Hartford KY Co.					Plant: 100 6/8/2026 12:13:27 PM		Tech: Jared - F PC: A. Chambers				
Structure ID: 473,17-2 ST-CI											
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht F/n							
P2) 24" x 36" - CASTING HEIGHT - 6" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 17" 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H) 1) 24" x 36" - Conseal CS-102 1.00" 1) DOGHOUSE INVRTD - 16"x16"					0 lb 2967 lb 442 lb 0 lb 0 lb ----- 0 lb Structure Total: 3409 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: 475'		Rim to Invert: 1.83'		Slack: 0.21"		Sump: 1.25"		Step Position:			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector		Hole	Horz Size	Up ()	Offset
Invert 1	473.17'	0°	20"	12" HDPE	14.5"	DOGHOUSE INVRTD 16"x16"		16" x 16"	16"	0"	0"
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

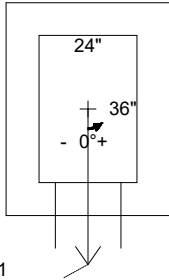


RIGHT-SIDE UP VIEW (int. dimensions)



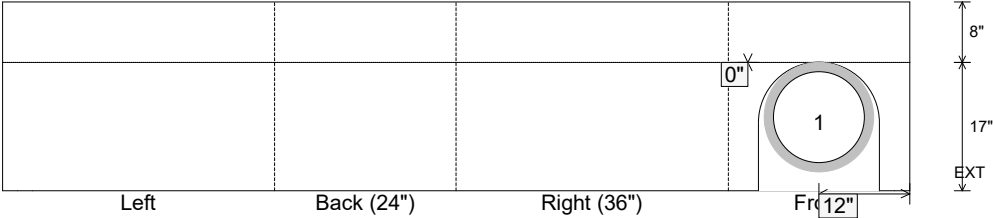
Invert: 1
Degree: 0°
Horz: 12"
Hole: 16" x 16"
Up(): 0"

UPSIDE-DOWN VIEW (int. dimensions)



Invert: 1
Degree: 0°
Horz: 12"
Hole: 16" x 16"
Up(): 0"

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 17" Height (Ext): 25"	Weight (Net): 2967 lb Volume (Net): 0.76cu.yd
----------------------------------	-------------------------------	--	--	--

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

Plant: Beaver Dam
6/1/2026 8:23:25 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: MD-16

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 - 37"
1) CASTING - JBS TYPE 39 TDOT GRATES (48" X 48")
1) Hole - 25

0 lb
7984 lb
459 lb
0 lb

Structure Total: 8443 lb

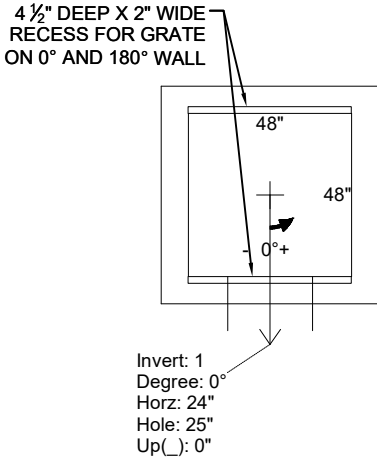
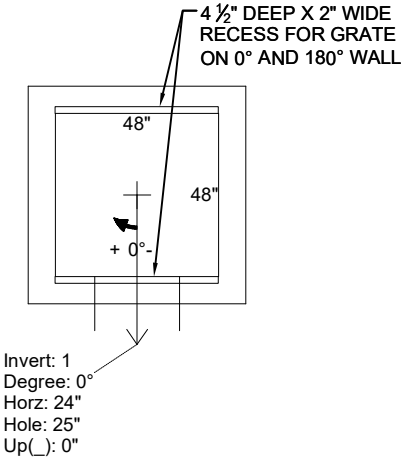
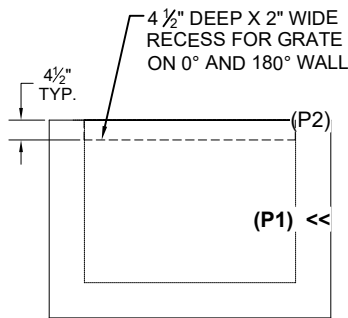
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS TDOT TYPE 39 BY ICAST
4. REINFORCING PER TDOT DRAWING D-CB-39S
ASTM A615 (GRADE 60).
5. PRODUCTION TO PLACE A 4.5" DEEP X 2" WIDE
RECESS IN THE TOP INSIDE OF THE 0 DEGREE
AND THE 180 DEGREE WALL OF THE BASE.

Rim: 762.69' Rim to Invert: 2.84' Slack: -0.42" Sump: 2.5" Step Position:

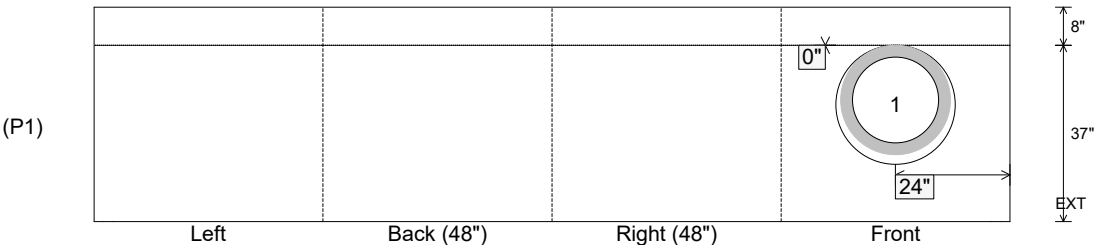
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	759.85'	0°	32"	18" RCP B WALL	23"	Hole 25	25"	25"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 37"
Height (Ext): 45"

Weight (Net): 7984 lb
Volume (Net): 2.04cu.yd



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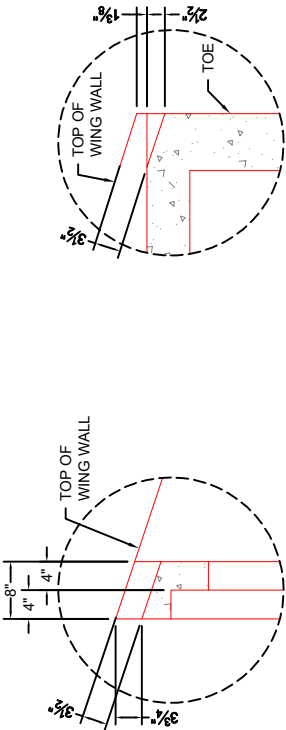
Structure ID: EW-7 447+89.00

P1 HWTDOT3-1TU42

42" - HW TDOT 3:1 Type U Cross Drain Endwall

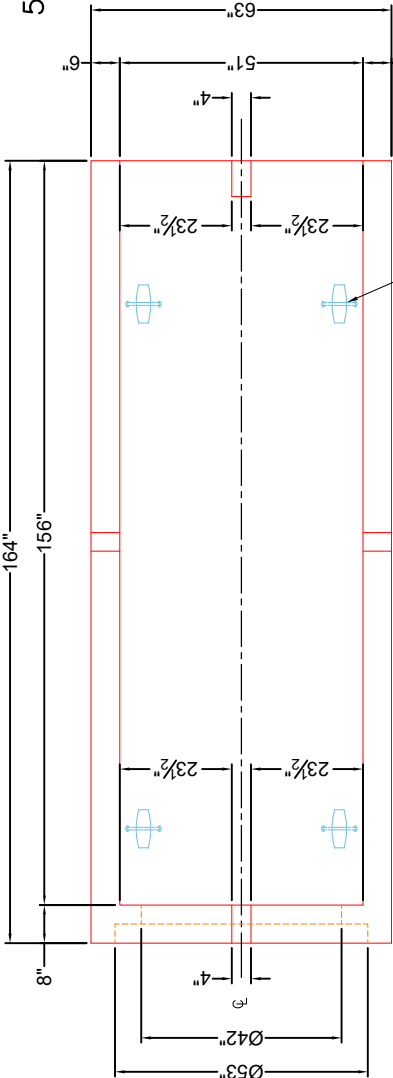
GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
4. REINFORCING: SEE SHEETS 2 AND 3 FOR REINFORCEMENT INFORMATION. (GRADE 60) REFERENCE TDOT DWG D-PE-42B
5. WEIGHT: 12,230 LBS

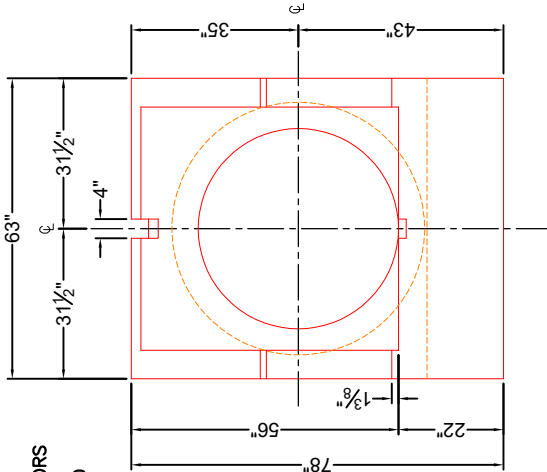


DETAIL B

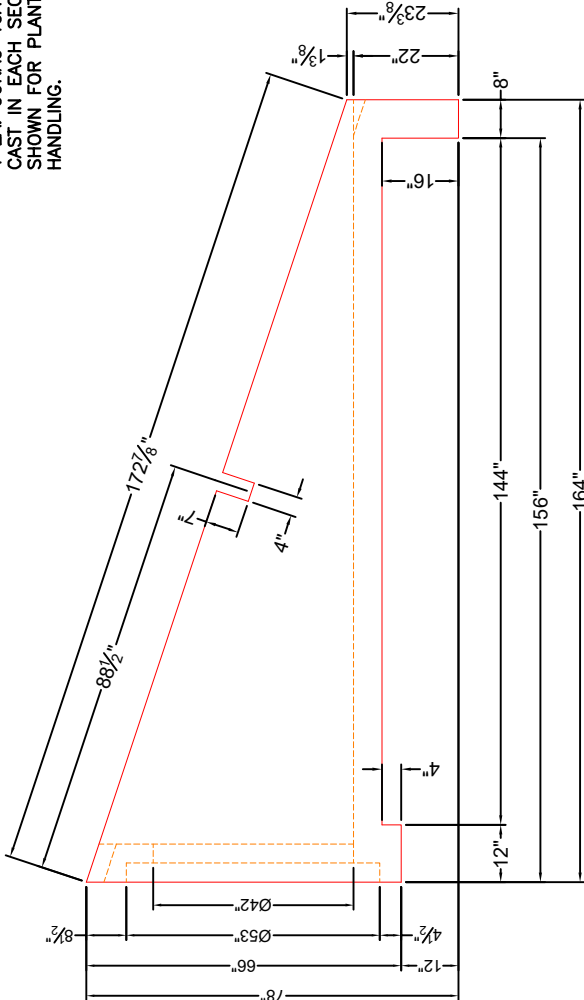
DETAIL A



PLAN VIEW



FRONT ELEVATION



SIDE ELEVATION

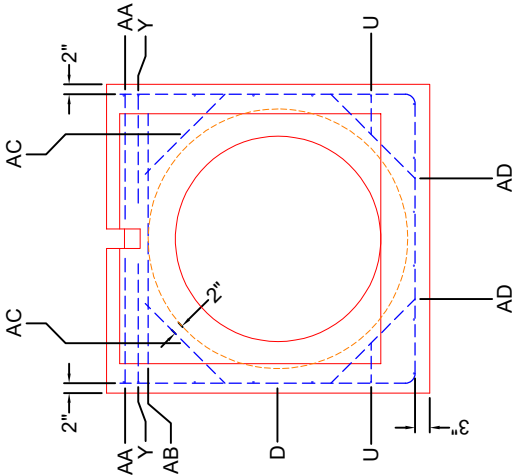
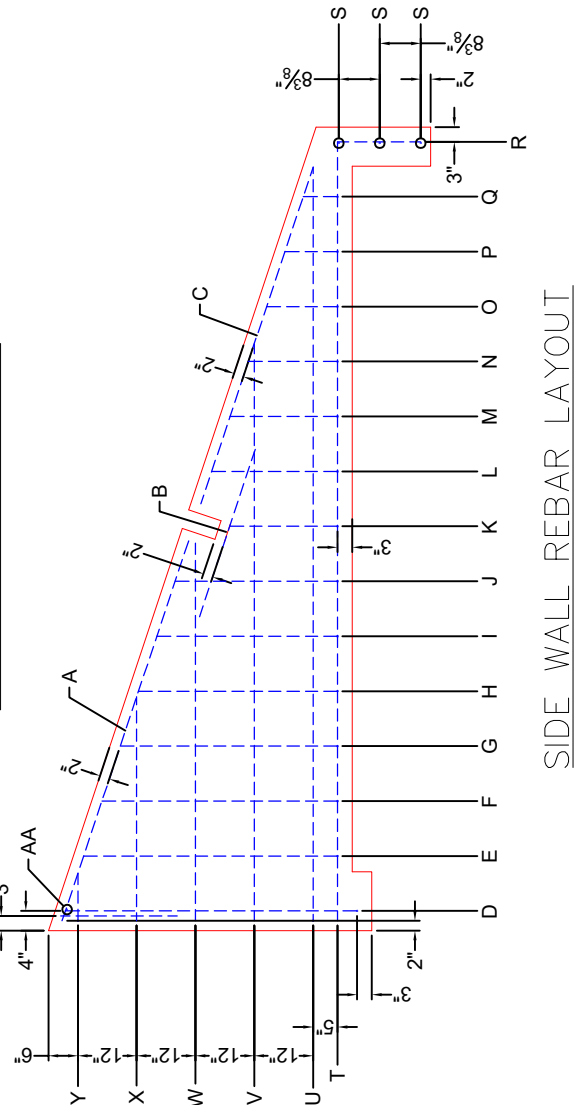
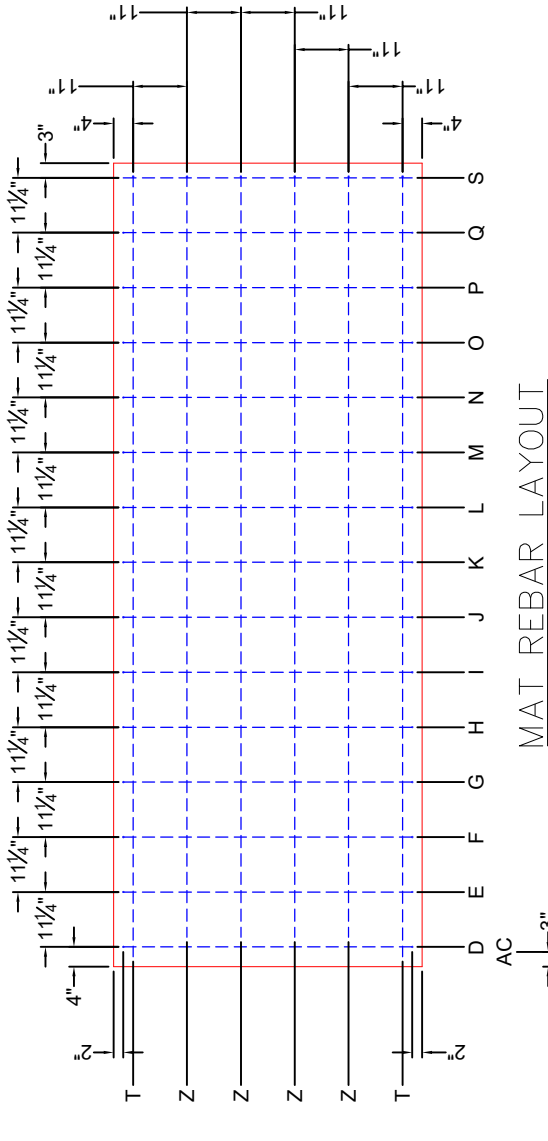
Structure ID: EW-7 447+89.00

P1 HWTDOT3-1TU42

42" - HW TDOT 3:1 Type U Cross Drain Endwall

GENERAL NOTES:

- 1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- 2. CONCRETE: 5,000 PSI AT 28 DAYS.
- 3. REINFORCING: SEE SHEETS 2 AND 3 FOR REBAR INFORMATION
- 4. WEIGHT: 12,230 LBS



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

Plant: Beaver Dam
6/1/2026 12:50:57 PM

Tech: J. Coppage
PC: C. Goff

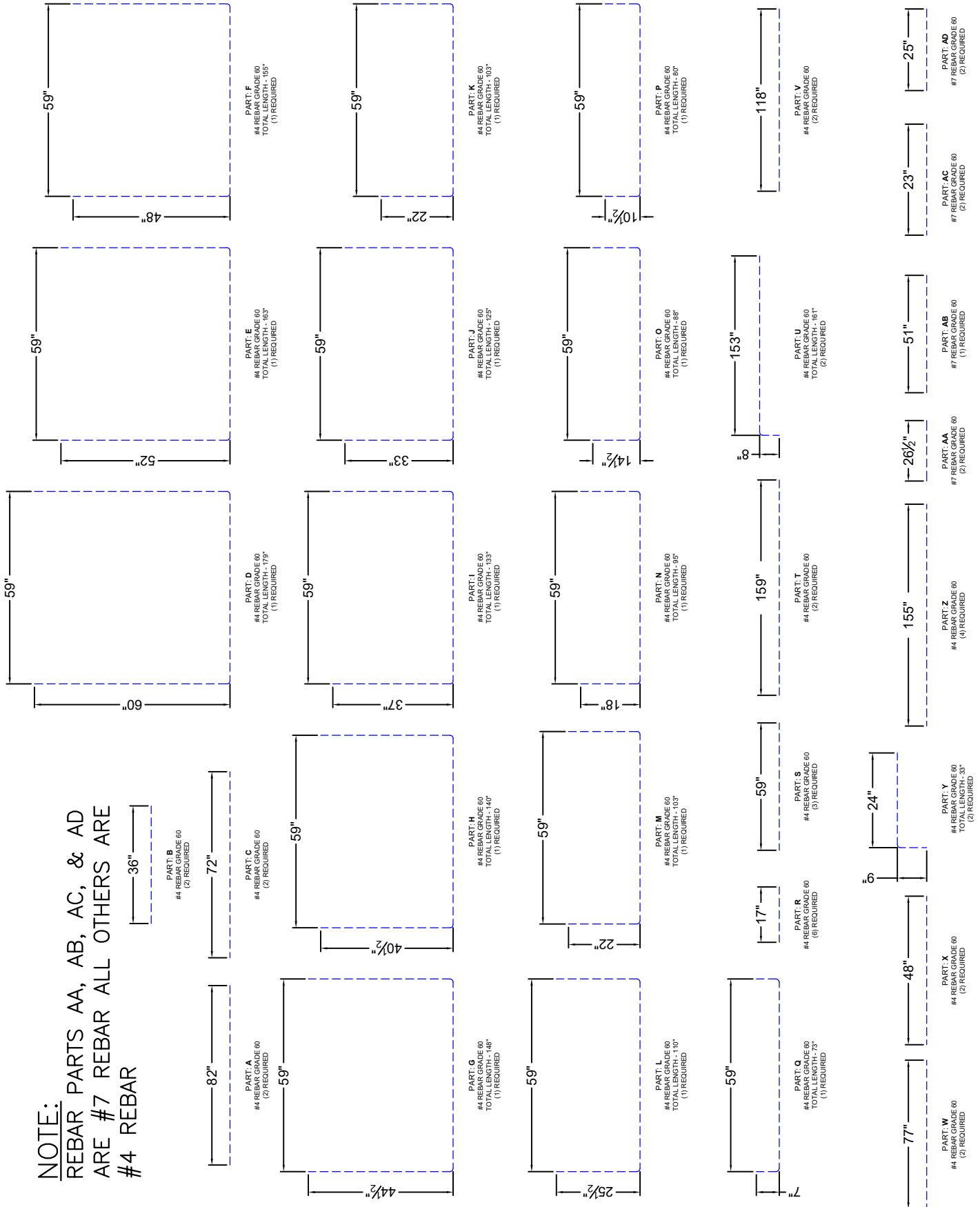


Structure ID: EW-7 447+89.00

P1 HWTDOT3-1TU42

42" - HW TDOT 3:1 Type U Cross Drain Endwall

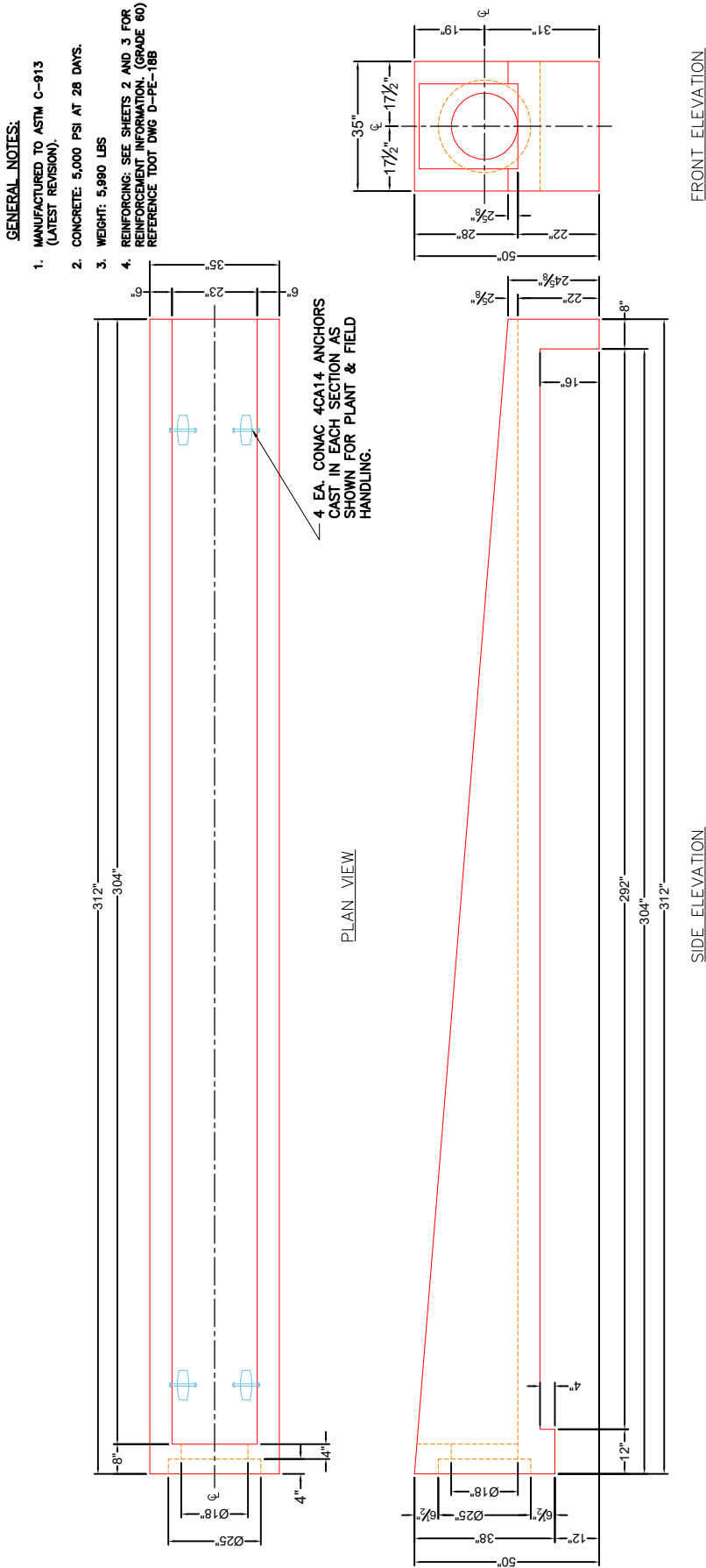
NOTE:
REBAR PARTS AA, AB, AC, & AD
ARE #7 REBAR ALL OTHERS ARE
#4 REBAR



Structure ID: EW-9 459+05.00

P1 HWTDOT12-1SA18

18" - HW TDOT 12:1 Type Safety Side Drain Endwall





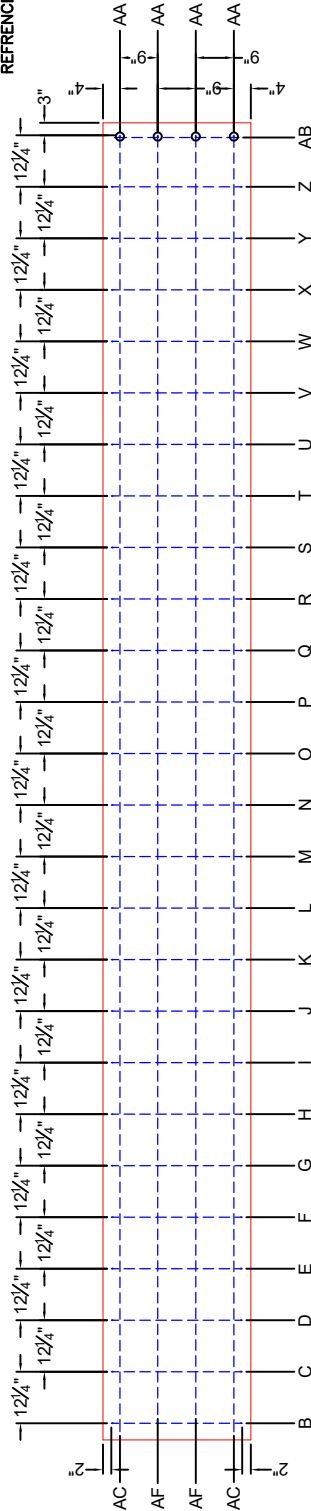
Structure ID: EW-9 459+05.00

P1 HWTDOT12-1SA18

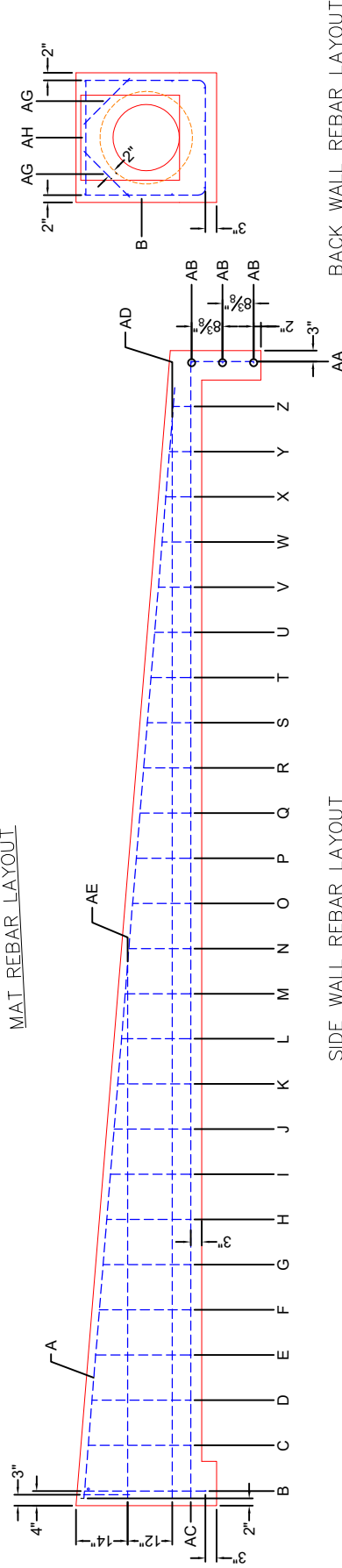
18" - HW TDOT 12:1 Type Safety Side Drain Endwall

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. WEIGHT: 5,990 LBS
4. REINFORCING: SEE SHEETS 2 AND 3 FOR REINFORCEMENT INFORMATION. (GRADE 60) REFERENCE TDOT DWG D-PE-18B



MAT REBAR LAYOUT



SIDE WALL REBAR LAYOUT

BACK WALL REBAR LAYOUT

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

Plant: Beaver Dam
6/1/2026 12:50:54 PM

Tech: J. Coppage
PC: C. Goff



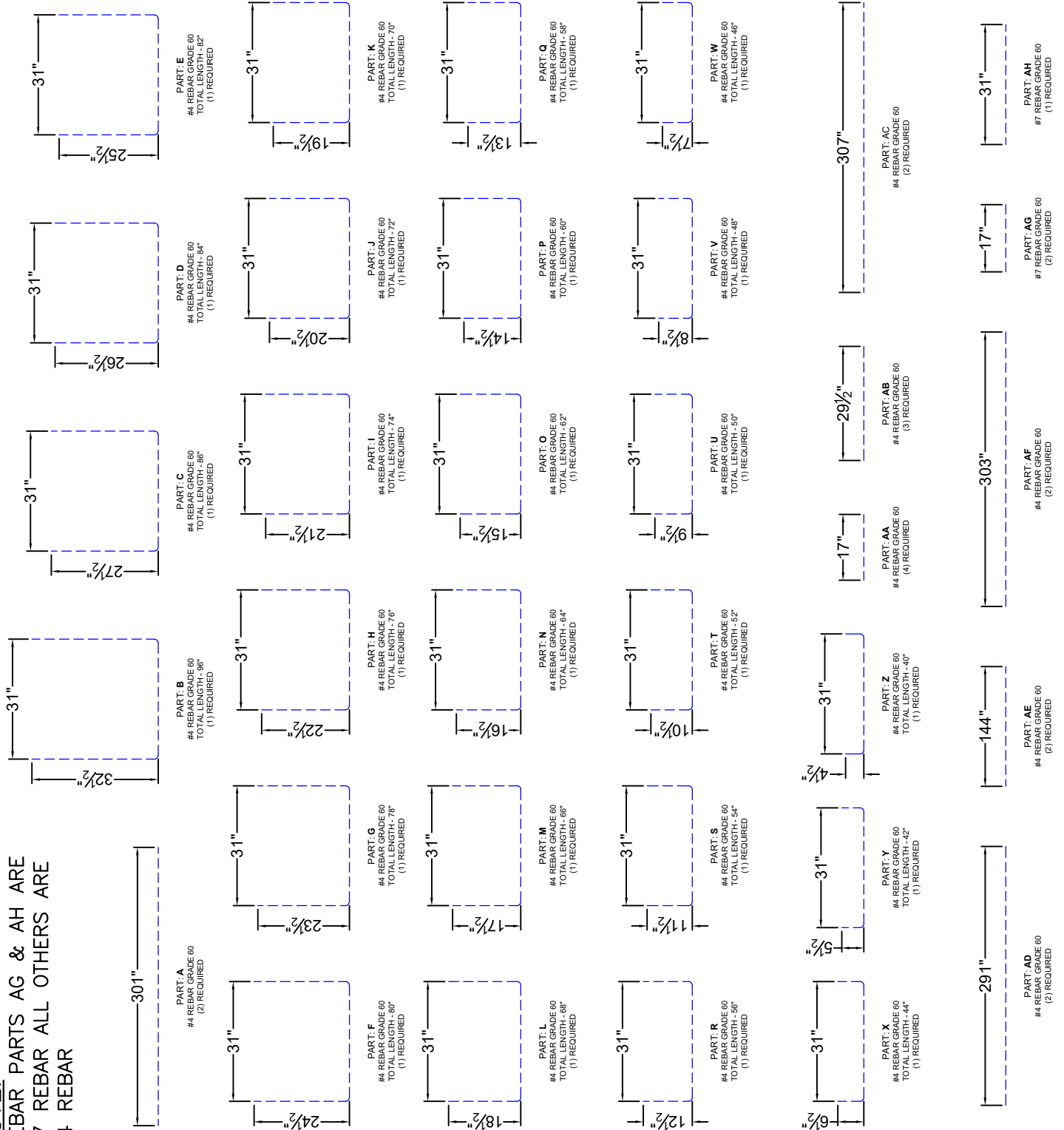
Structure ID: EW-9 459+05.00

P1 HWTDOT12-1SA18

18" - HW TDOT 12:1 Type Safety Side Drain Endwall

NOTE:

REBAR PARTS AG & AH ARE
#7 REBAR ALL OTHERS ARE
#4 REBAR





18" - HW TDOT 6:1 Type U Cross Drain Endwall

SIDE ELEVATION



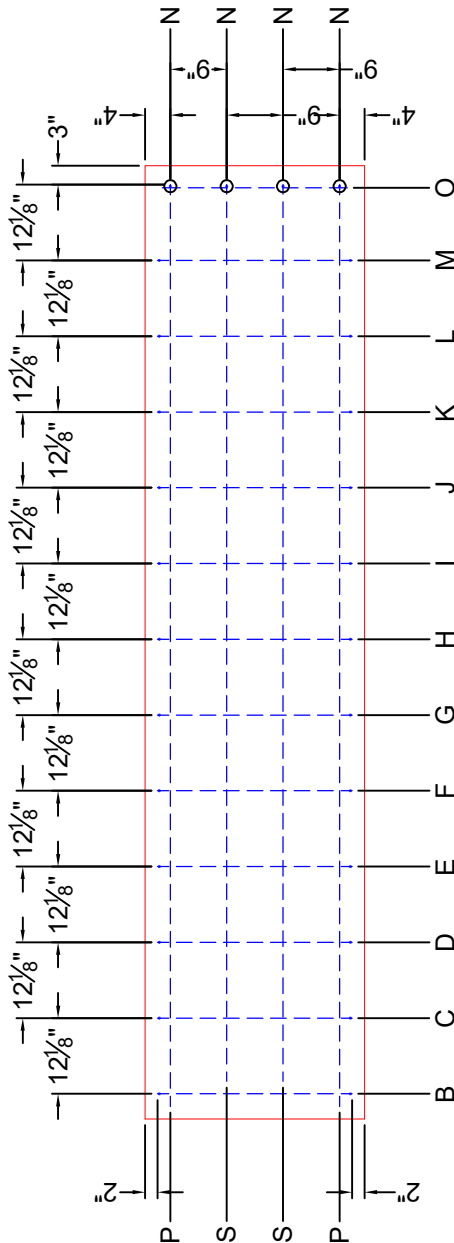
Structure ID: EW-16 500+50.00

P1 HWTDOT6-1TU18

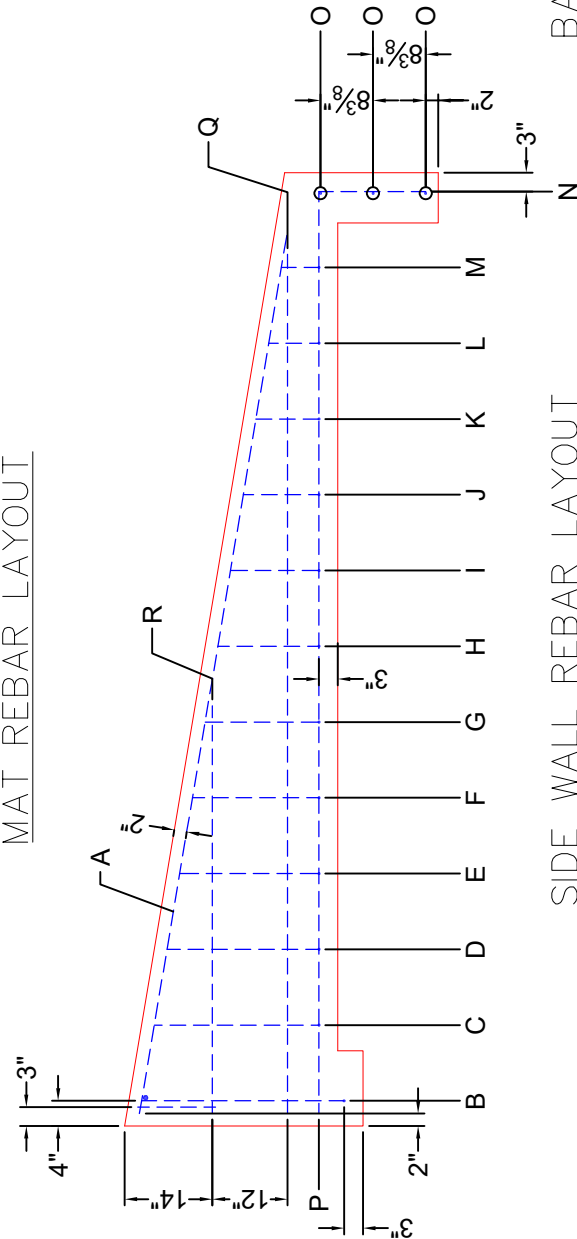
18" - HW TDOT 6:1 Type U Cross Drain Endwall

GENERAL NOTES:

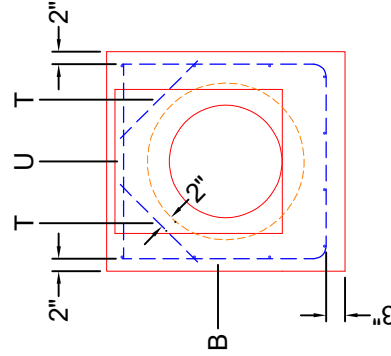
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. WEIGHT: 5,990 LBS
4. REINFORCING: SEE SHEETS 2 AND 3 FOR REINFORCEMENT INFORMATION. (GRADE 60) REFERENCE TDOT DWG D-PE-18B



MAT REBAR LAYOUT



SIDE WALL REBAR LAYOUT



BACK WALL REBAR LAYOUT

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

Plant: Beaver Dam
6/1/2026 12:50:54 PM

Tech: J. Coppage
PC: C. Goff

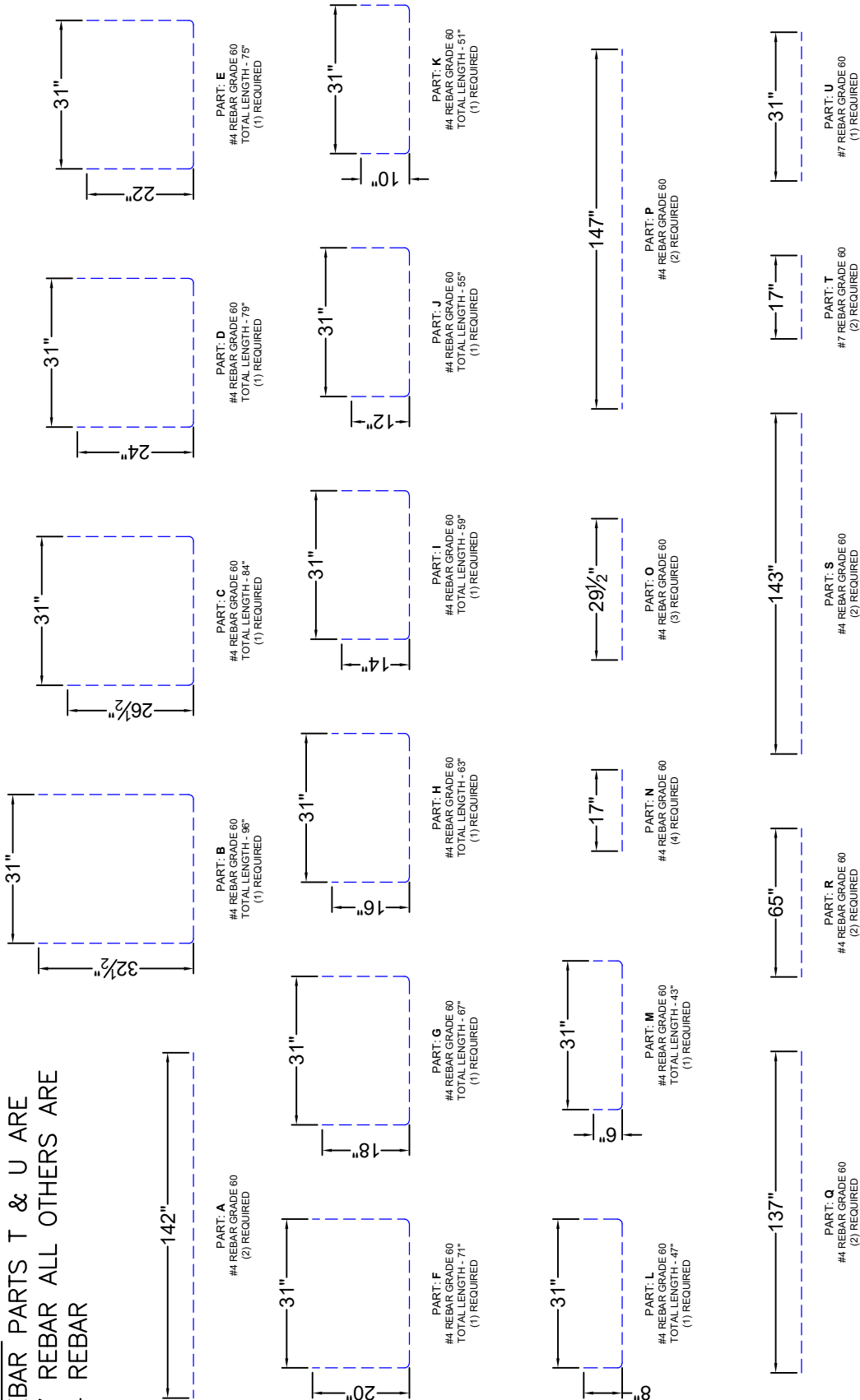


Structure ID: EW-16 500+50.00

P1 HWTDOT6-1TU18

18" - HW TDOT 6:1 Type U Cross Drain Endwall

NOTE:
REBAR PARTS T & U ARE
#7 REBAR ALL OTHERS ARE
#4 REBAR



Job Name: 26-2574 - Moore Grease Traps
Job Location: Clarksville, TN 37043
Contractor: Core & Main LP (Nashville)

Plant: Beaver Dam, KY
6/2/2026 4:40:57 PM

Tech: K. Cardwell
PC: T. Lewis



Structure ID: QL2 GT1000 (4)

P2 BX60120-06LD08

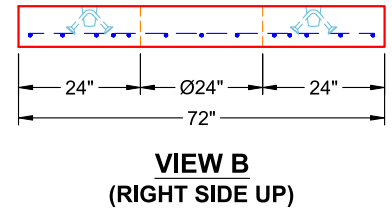
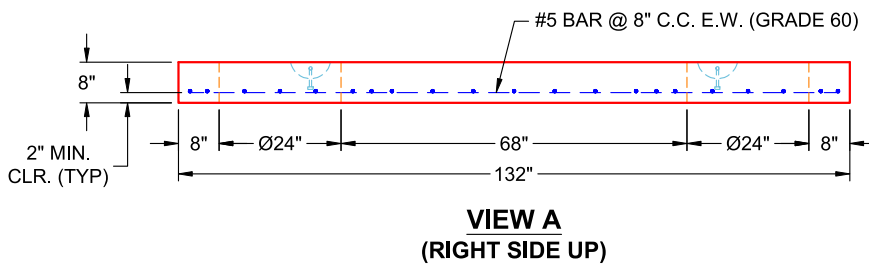
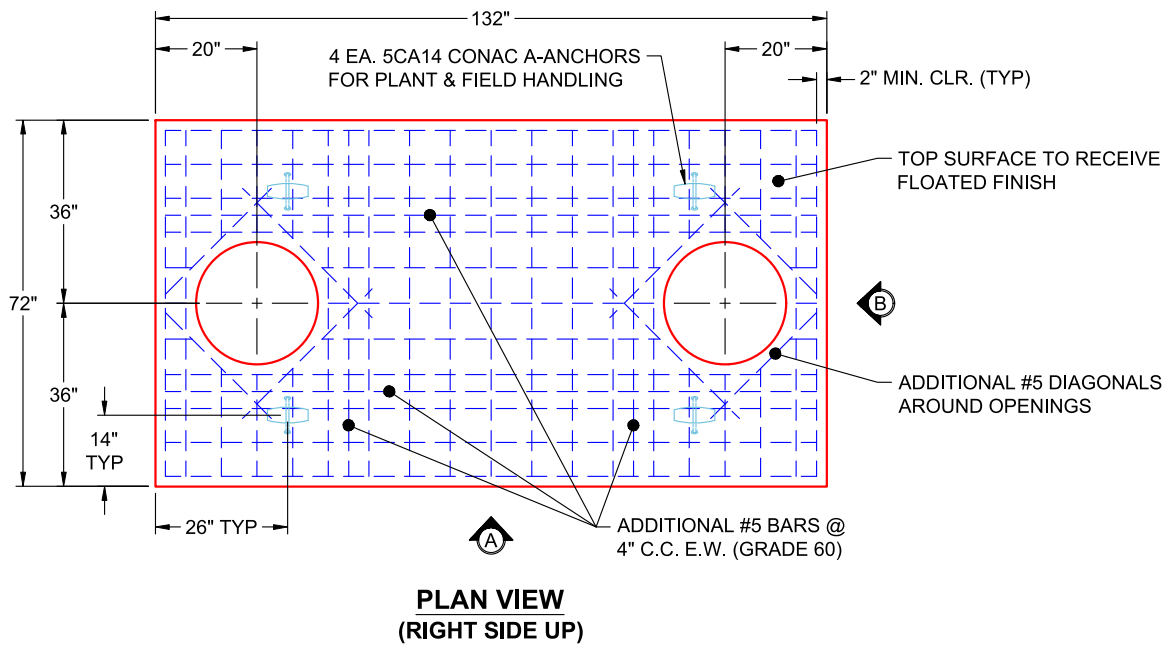
CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F

P3) 24" - CASTING HEIGHT - 7"
P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"
P1) 60" x 120" - BOX BASE 6inW, 6inF F/n - 54"
1) SECONDARY POUR - Baffle Wall
1) 60" x 120" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 8QRS-S NYLO

0 lb
5775 lb
16155 lb
975 lb
0 lb
0 lb
13 lb
Structure Total: 22918 lb

Structure Notes:

1. PER ASTM C-890-13 & 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. 2 EA. 7" CASTINGS SUPPLIED BY OTHERS
5. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 5775 lb
Volume (Net): 1.48cu.yd

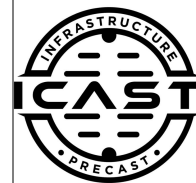
Job Name: 26-2480 - Jimmy Risinger Construction
Job Location: Louisville, KY 40219
Contractor: Bill Risinger Construction

Plant: Beaver Dam, KY

Tech: K. Cardwell

6/8/2026 11:34:49 AM

PC: J. Jarvis



Structure ID: 1000 Gal OWS

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

P3) 24" - CASTING HEIGHT - 4"
P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (OWS) F/F - 8"
P1) 60" x 120" - BOX BASE 6inW, 6inF F/n - 54"
1) SECONDARY POUR - Baffle Wall
2) CASTING - HOE MC-285 F/C Plain
1) 60" x 120" - Con Seal CS-440 1.00"
1) 24" - Con Seal CS-440 1.00"
2) Kor-N-Seal1 - S406-10.5W

0 lb
5775 lb
16120 lb
975 lb
568 lb
0 lb
0 lb
13 lb

Structure Total: 23451 lb

Structure Notes:

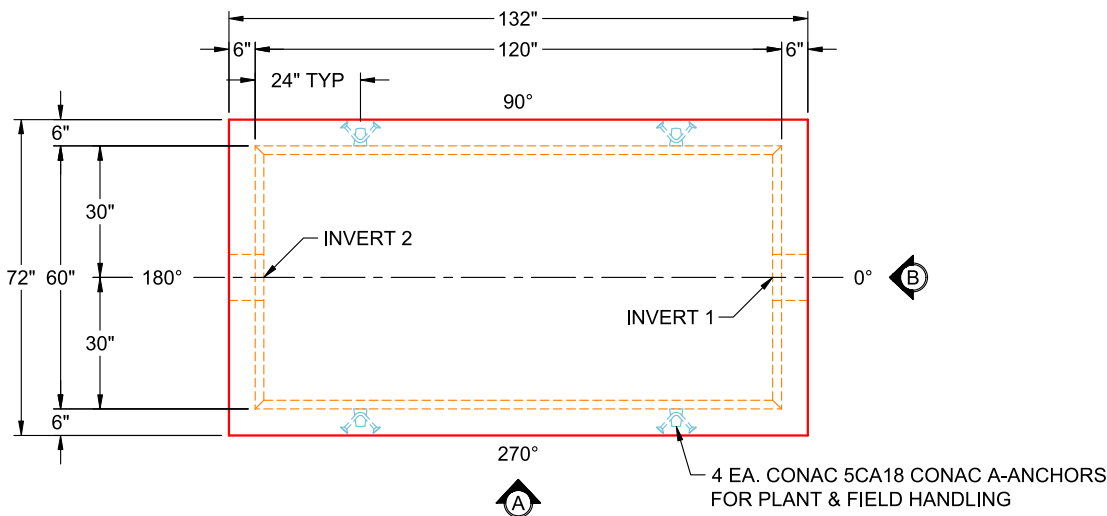
1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. NO FLOW CHANNEL
5. 2 EA. HOE MC-285 FRAMES & COVERS SUPPLIED BY ICAST
6. LIFTERS: 4 EA. 5CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN

FIRST POUR (BASE): 16,120 LBS

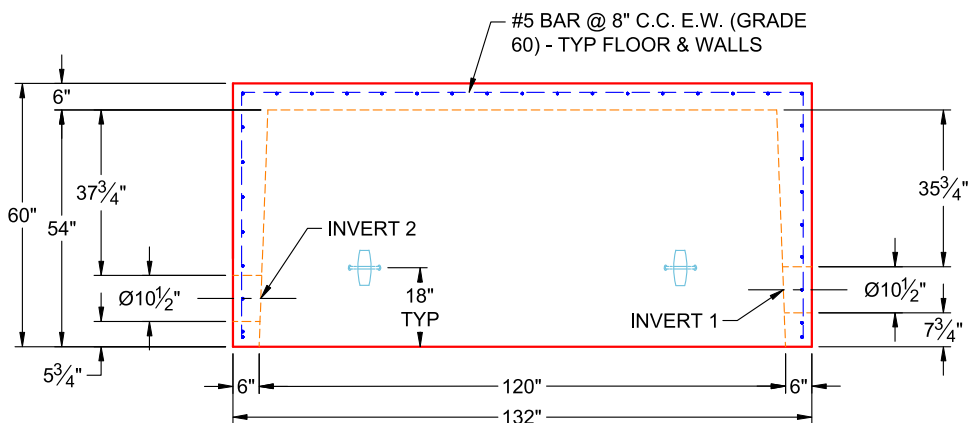
SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.5' Rim to Invert: 2.417' Slack: 0" Sump: 37" Step Position:

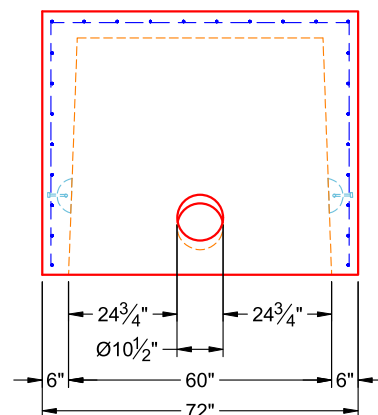
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	8" PVC SDR35	8.5"	Kor-N-Seal1 S406-10.5W	10.5"	10.5"	35.75"	0"
Invert 2	3.25'	180°	36"	8" PVC SDR35	8.5"	Kor-N-Seal1 S406-10.5W	10.5"	10.5"	37.75"	0"
Invert 3										



**PLAN VIEW
(UPSIDE DOWN)**



**VIEW A
(UPSIDE DOWN)**



**VIEW B
(UPSIDE DOWN)**

Job Name: 26-2480 - Jimmy Risinger Construction
Job Location: Louisville, KY 40219
Contractor: Bill Risinger Construction

Plant: Beaver Dam, KY

Tech: K. Cardwell

6/8/2026 11:34:49 AM

PC: J. Jarvis



Structure ID: 1000 Gal OWS

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

P3) 24" - CASTING HEIGHT - 4"
P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (OWS) F/F - 8"
P1) 60" x 120" - BOX BASE 6inW, 6inF F/n - 54"
1) SECONDARY POUR - Baffle Wall
2) CASTING - HOE MC-285 F/C Plain
1) 60" x 120" - Con Seal CS-440 1.00"
1) 24" - Con Seal CS-440 1.00"
2) Kor-N-Seal1 - S406-10.5W

0 lb
5775 lb
16120 lb
975 lb
568 lb
0 lb
0 lb
13 lb
Structure Total: 23451 lb

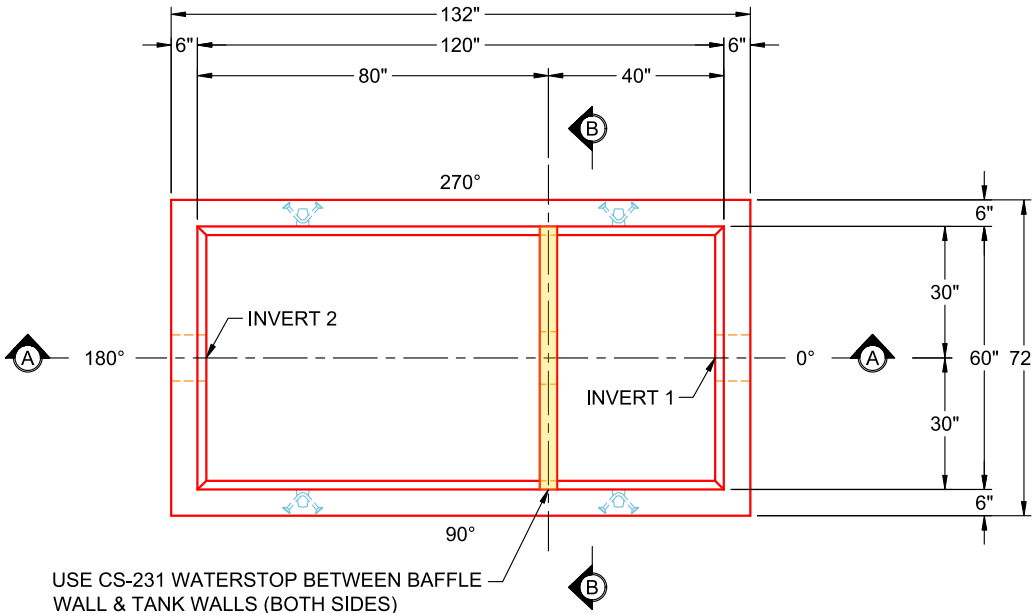
Structure Notes:

1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. DRILL & DOWEL #4 BAR @ 12" C.C. E.W. (GRADE 60) INTO BASE FLOOR FOR BAFFLE WALL TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR
5. PRIOR TO BAFFLE WALL POUR, ADD STRIP OF CS-231 BETWEEN BAFFLE WALL & TANK WALLS (BOTH SIDES)

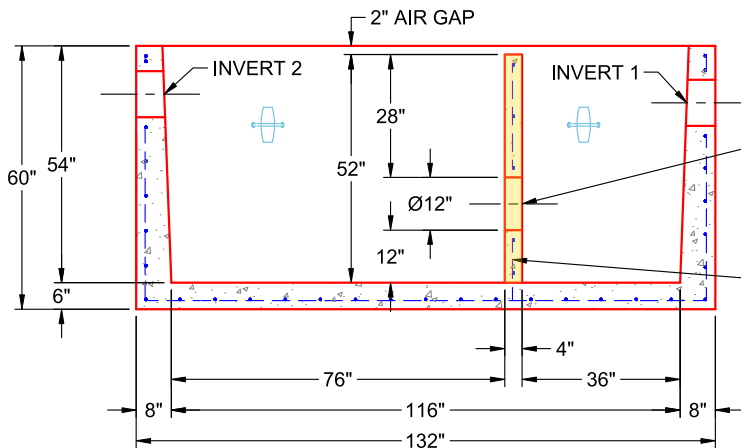
FIRST POUR (BASE): 16,120 LBS
SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.5' Rim to Invert: 2.417' Slack: 0" Sump: 37" Step Position:

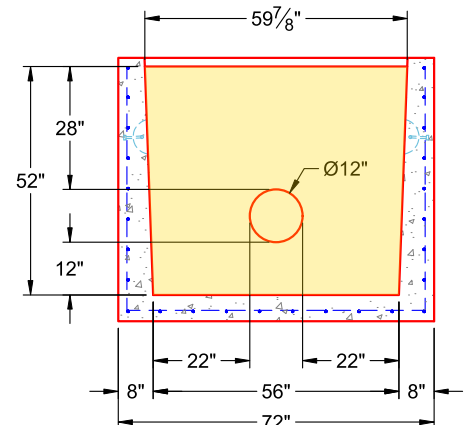
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	8" PVC SDR35	8.5"	Kor-N-Seal1 S406-10.5W	10.5"	10.5"	35.75"	0"
Invert 2	3.25'	180°	36"	8" PVC SDR35	8.5"	Kor-N-Seal1 S406-10.5W	10.5"	10.5"	37.75"	0"
Invert 3										



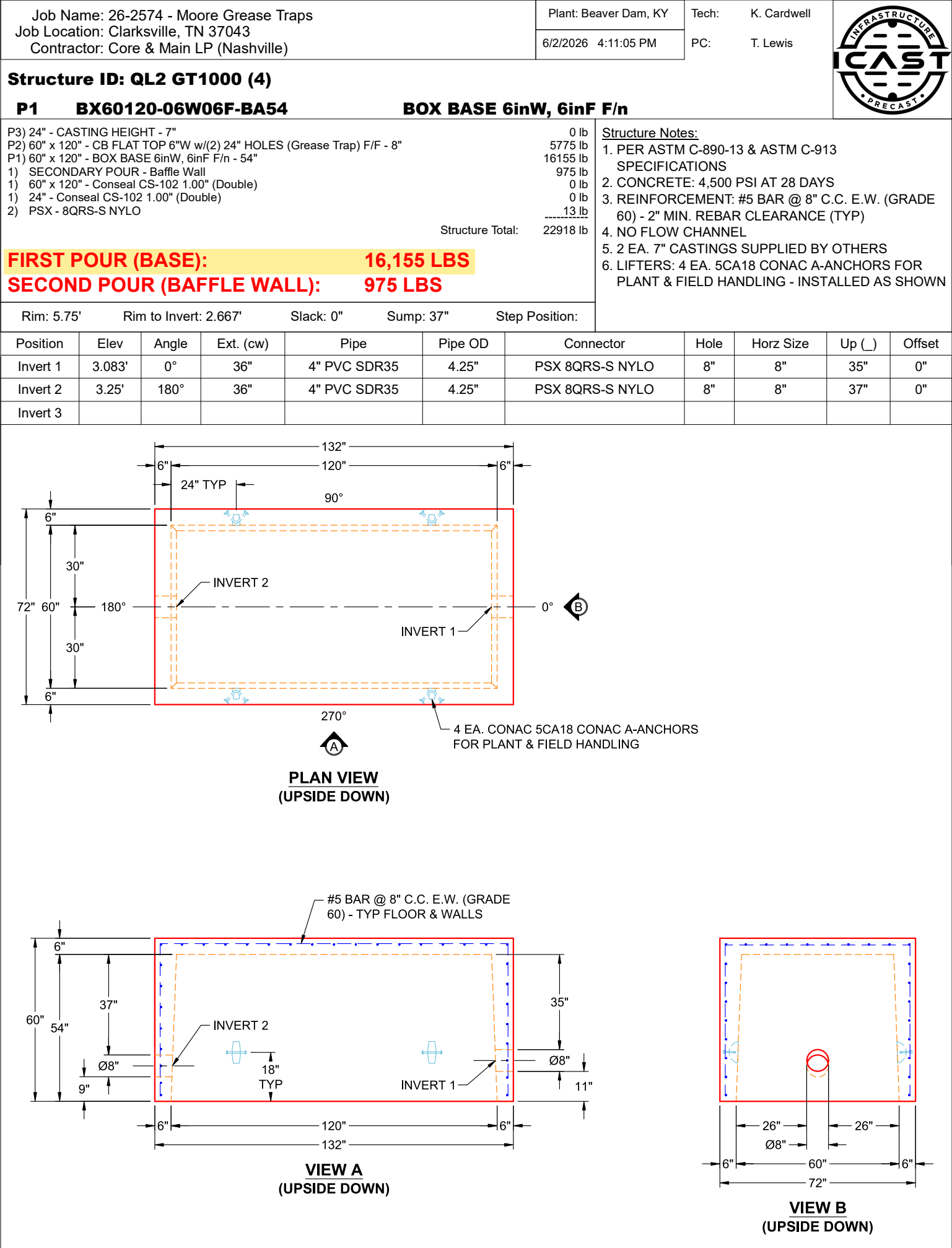
**PLAN VIEW
(RIGHT SIDE UP)**



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



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



Job Name: 26-2574 - Moore Grease Traps
Job Location: Clarksville, TN 37043
Contractor: Core & Main LP (Nashville)

Plant: Beaver Dam, KY
6/2/2026 4:11:05 PM

Tech: K. Cardwell
PC: T. Lewis



Structure ID: QL2 GT1000 (4)

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

P3) 24" - CASTING HEIGHT - 7"
P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"
P1) 60" x 120" - BOX BASE 6inW, 6inF F/n - 54"
1) SECONDARY POUR - Baffle Wall
1) 60" x 120" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 8QRS-S NYLO

0 lb
5775 lb
16155 lb
975 lb
0 lb
0 lb
13 lb

22918 lb

Structure Total: 22918 lb

Structure Notes:

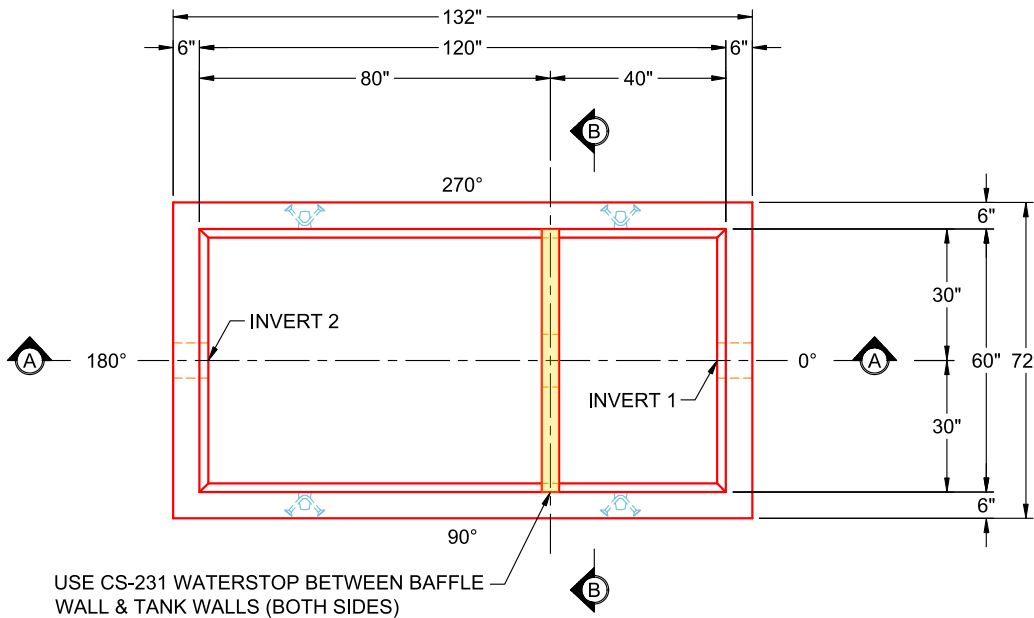
1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. DRILL & DOWEL #4 BAR @ 12" C.C. E.W. (GRADE 60) INTO BASE FLOOR FOR BAFFLE WALL TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR
5. PRIOR TO BAFFLE WALL POUR, ADD STRIP OF CS-231 BETWEEN BALLE WALL & TANK WALLS (BOTH SIDES)

FIRST POUR (BASE): 16,155 LBS

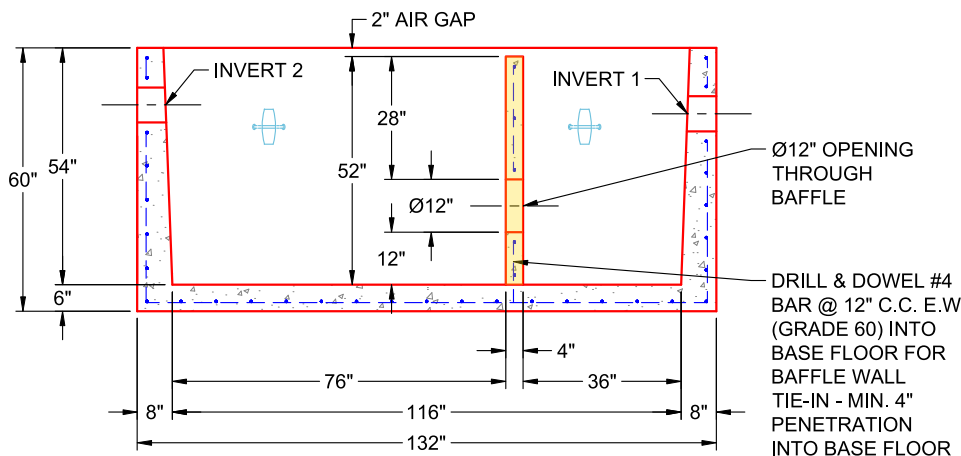
SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.75' Rim to Invert: 2.667' Slack: 0" Sump: 37" Step Position:

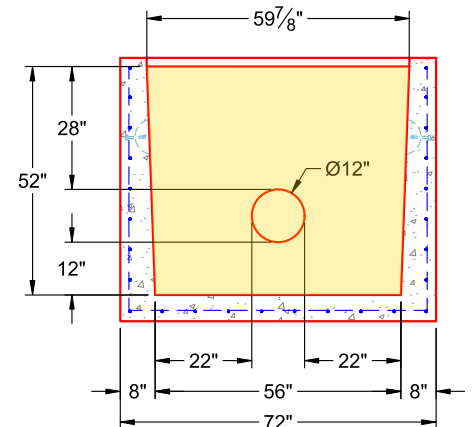
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



**PLAN VIEW
(RIGHT SIDE UP)**



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



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

Job Name: 26-2574 - Moore Grease Traps
Job Location: Clarksville, TN 37043
Contractor: Core & Main LP (Nashville)

Plant: Beaver Dam, KY

Tech: K. Cardwell

6/2/2026 4:11:04 PM

PC: T. Lewis



Structure ID: QL2 GT1000 (3)

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

P3) 24" - CASTING HEIGHT - 7"
P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"
P1) 60" x 120" - BOX BASE 6inW, 6inF F/n - 54"
1) SECONDARY POUR - Baffle Wall
1) 60" x 120" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 8QRS-S NYLO

0 lb
5775 lb
16155 lb
975 lb
0 lb
0 lb
13 lb

22918 lb

Structure Total: 22918 lb

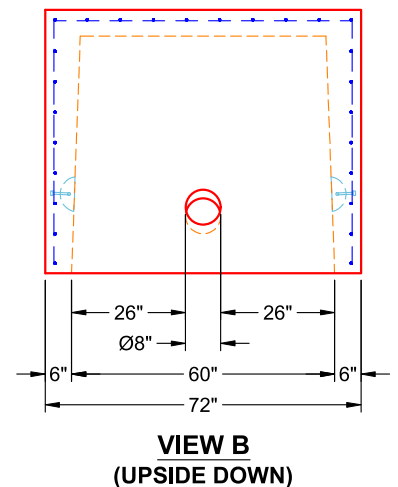
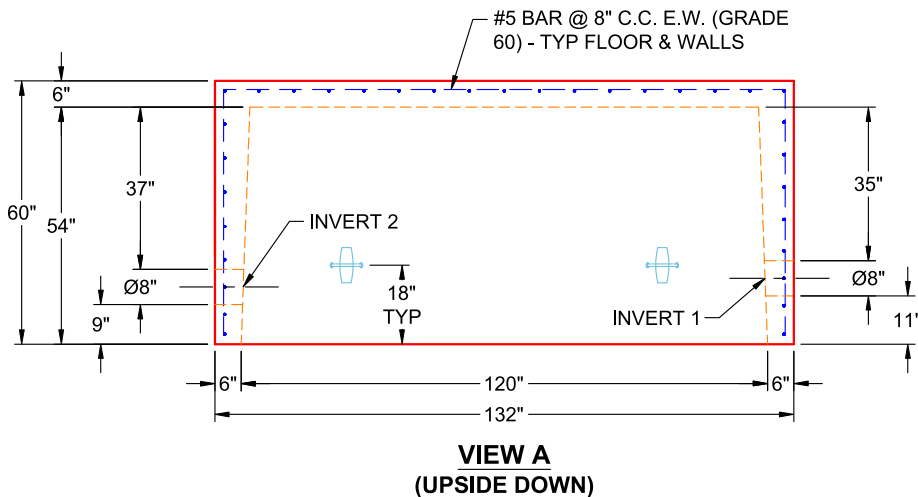
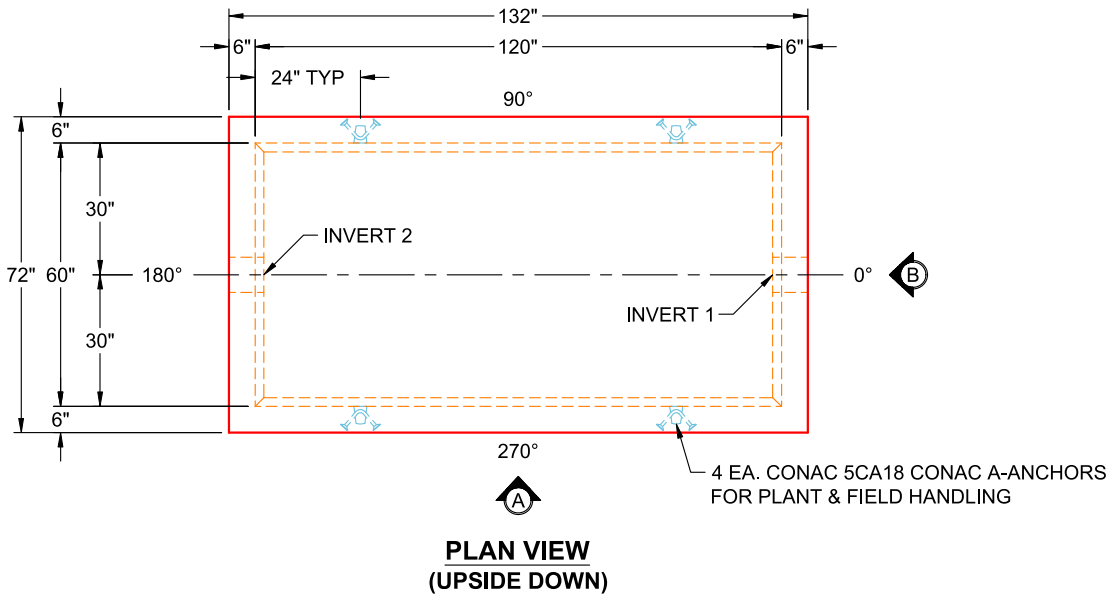
Structure Notes:

1. PER ASTM C-890-13 & 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. NO FLOW CHANNEL
5. 2 EA. 7" CASTINGS SUPPLIED BY OTHERS
6. LIFTERS: 4 EA. 5CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN

FIRST POUR (BASE): 16,155 LBS
SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.75' Rim to Invert: 2.667' Slack: 0" Sump: 37" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



Job Name: 26-2574 - Moore Grease Traps
Job Location: Clarksville, TN 37043
Contractor: Core & Main LP (Nashville)

Plant: Beaver Dam, KY
6/2/2026 4:11:04 PM

Tech: K. Cardwell
PC: T. Lewis



Structure ID: QL2 GT1000 (3)

P1 BX60120-06W06F-BA54

BOX BASE 6inW, 6inF F/n

P3) 24" - CASTING HEIGHT - 7"
P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) F/F - 8"
P1) 60" x 120" - BOX BASE 6inW, 6inF F/n - 54"
1) SECONDARY POUR - Baffle Wall
1) 60" x 120" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 8QRS-S NYLO

0 lb
5775 lb
16155 lb
975 lb
0 lb
0 lb
13 lb

22918 lb

Structure Total: 22918 lb

Structure Notes:

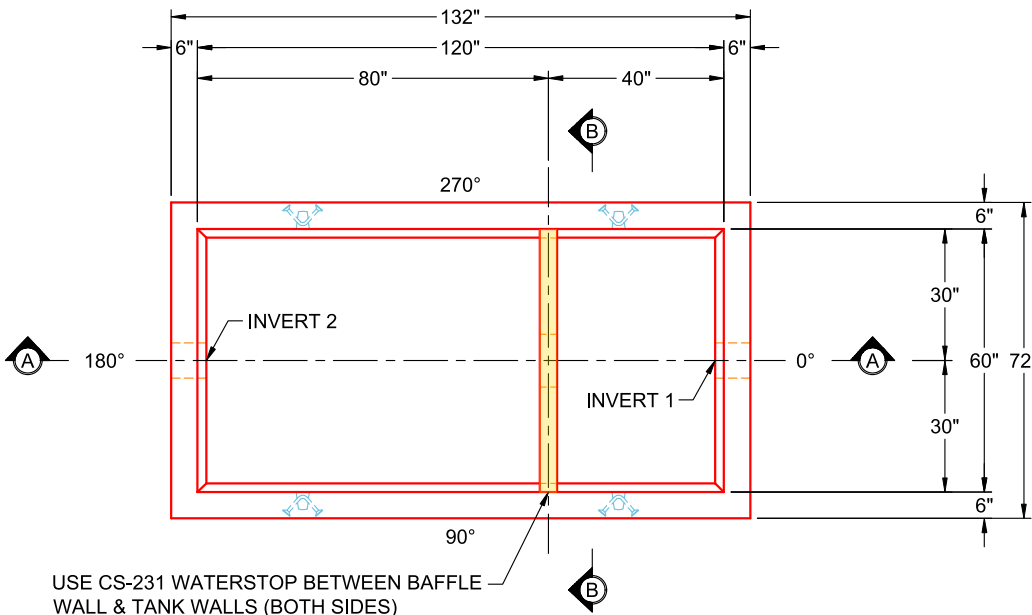
1. PER ASTM C-890-13 & ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. DRILL & DOWEL #4 BAR @ 12" C.C. E.W. (GRADE 60) INTO BASE FLOOR FOR BAFFLE WALL TIE-IN - MIN. 4" PENETRATION INTO BASE FLOOR
5. PRIOR TO BAFFLE WALL POUR, ADD STRIP OF CS-231 BETWEEN BALLE WALL & TANK WALLS (BOTH SIDES)

FIRST POUR (BASE): 16,155 LBS

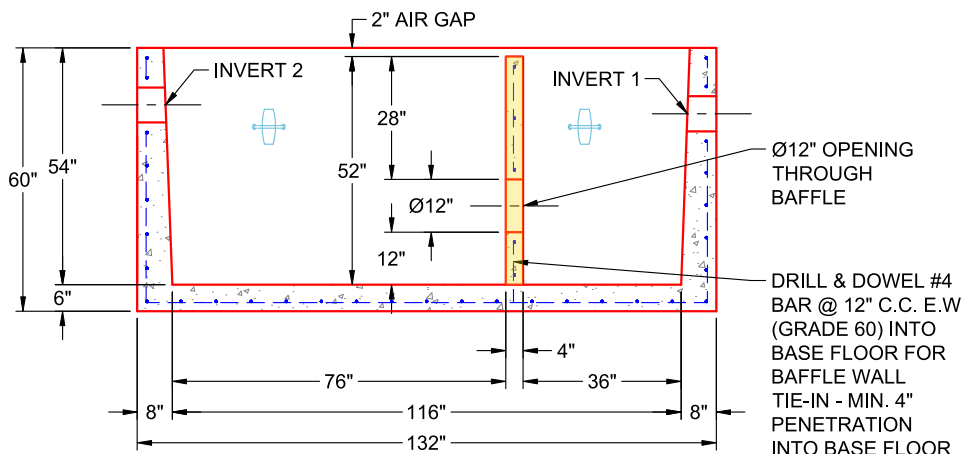
SECOND POUR (BAFFLE WALL): 975 LBS

Rim: 5.75' Rim to Invert: 2.667' Slack: 0" Sump: 37" Step Position:

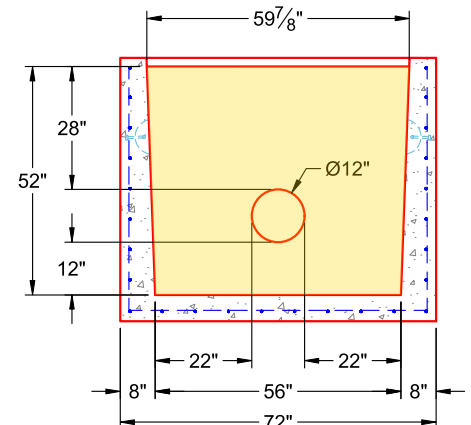
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	3.083'	0°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	35"	0"
Invert 2	3.25'	180°	36"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8"	37"	0"
Invert 3										



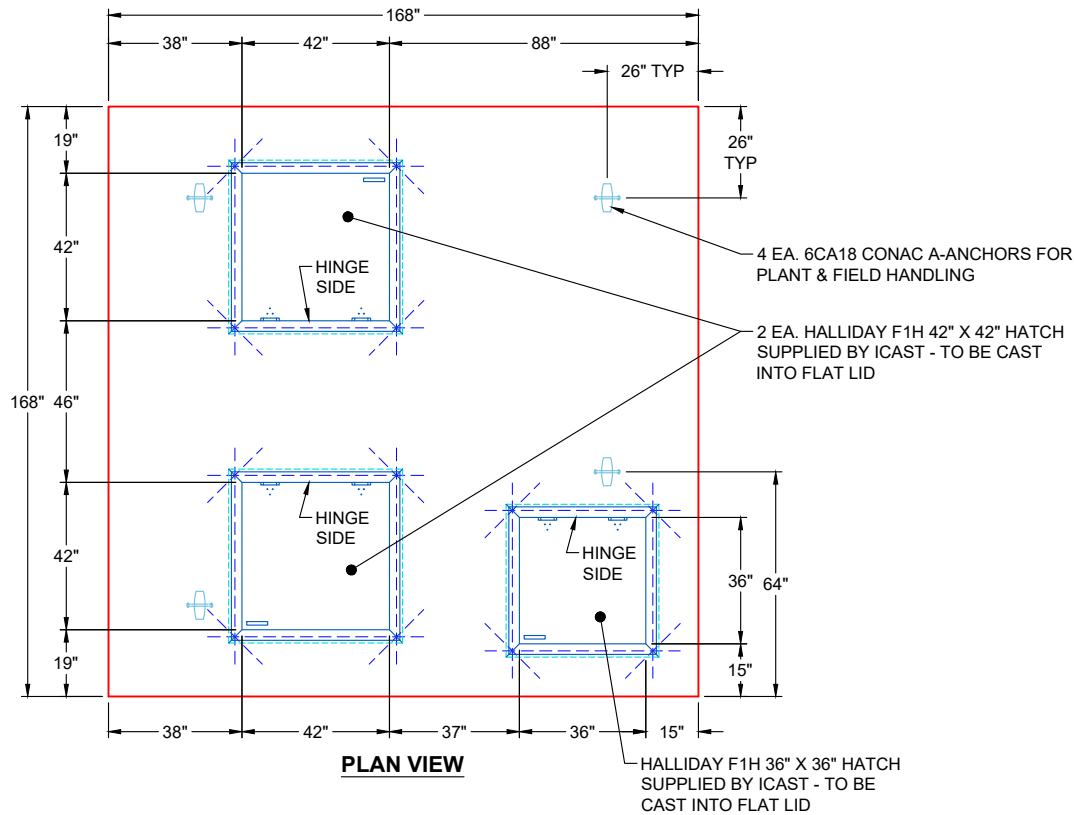
**PLAN VIEW
(RIGHT SIDE UP)**



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

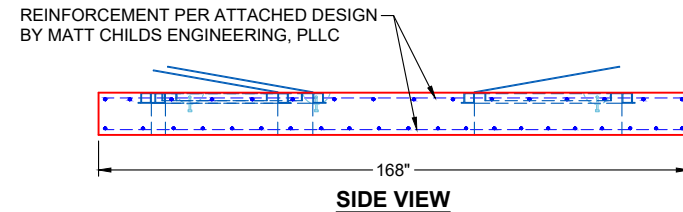
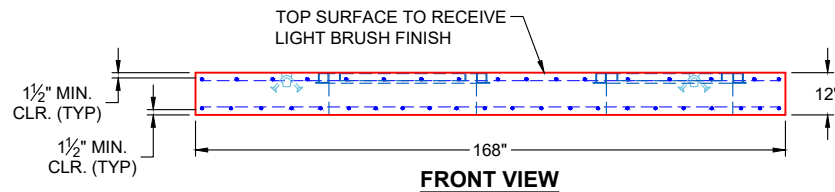


**SECTION B-B
(RIGHT SIDE UP)**



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION)
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. REINFORCEMENT PER ATTACHED DESIGN BY MATT CHILDS ENGINEERING, PLLC
4. WEIGHT: 23,563 LBS
5. 2 EA. HALLIDAY F1H 42" X 42" HATCHES SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID
6. 1 EA. HALLIDAY F1H 36" X 36" HATCH SUPPLIED BY ICAST - TO BE CAST INTO FLAT LID
7. ALL HATCHES TO HAVE FALL PROTECTION
8. LIFTERS: 4 EA. 6CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING
9. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH
10. XYPEX ADMIXTURE REQUIRED

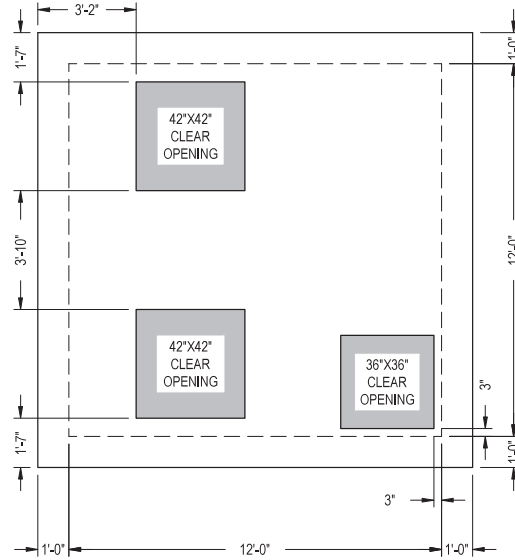


PRODUCTION WORK ORDER		PRODUCT I.D.: CTSX	DESCRIPTION: 168" X 168" X 12" FLAT LID SPECIAL W/ XYPEX	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ HOLE LOCATION(S) CORRECT. ☐ REINFORCING CORRECT. ☐ HATCH LOCATION(S) & ORIENTATION(S). ☐ EDGES CHAMFERED. ☐ SHIPLAP JOINT INSTALLED.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: GARNEY COMPANIES, INC.	
		PLANT: BEAVER DAM, KY	PROJECT: EAST REGIONAL BANK PUMP STATION	
		WEIGHT: 23,563 LBS	STRUCTURE: GRINDER VAULT (PIECE 5)	
		TOP SECTION JOINT: FLAT	ORDER NO: 25-1137B	
		BASE SECTION JOINT: N / A	PE: J.H. ROSS	DRAWING: K. CARDWELL
		QC CHECK INITIALS:	DATE: 11/25/25	SCALE: NTS PG. 1 OF 1

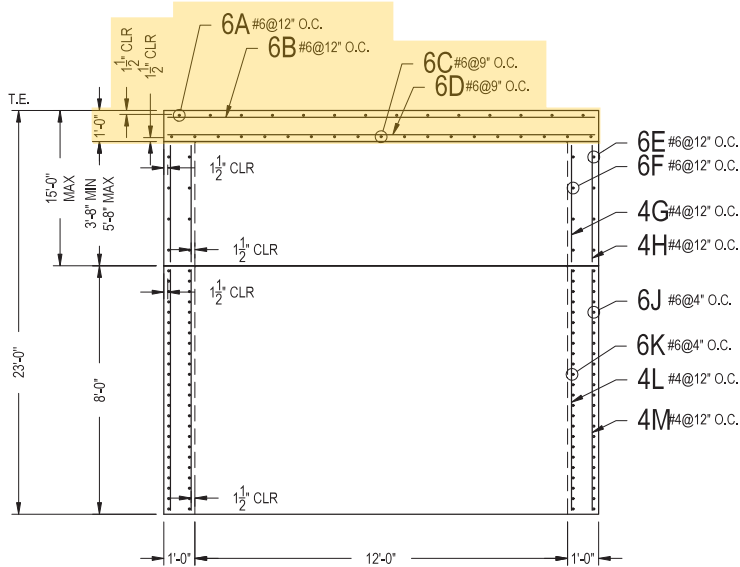
DESIGN NOTE:

HS20 LOADING - ASTM C890
 CONCRETE 28 DAY COMPRESSIVE STRENGTH - 5000 PSI
 REINFORCEMENT STEEL - 60,000 PSI
 REBAR MIN SPLICE LENGTHS: #4-22" #5-28" #6-33"
 PLACE 4-#4 BAR DIAGONAL AROUND OPENING(S)

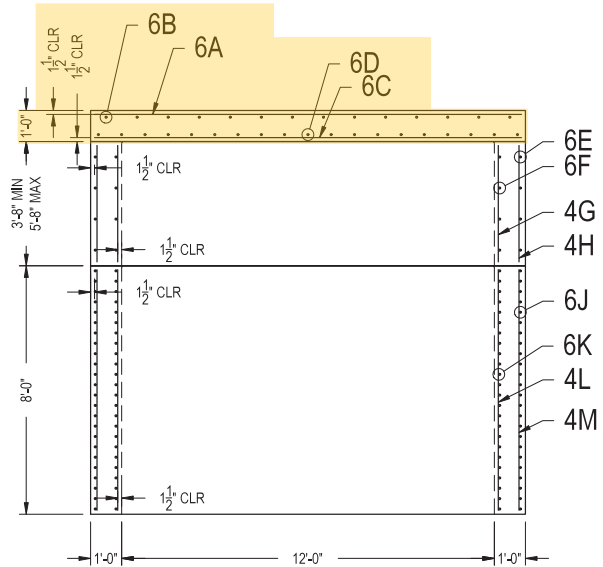
STEEL REINFORCEMENT SHOWN BELOW SHALL BE CUT AS REQUIRED FOR WALL PENETRATIONS AND PRECAST JOINT LOCATIONS.
 PLEASE NOTE: DUE TO PRECAST PRODUCTION CONSTRAINTS, NO REINFORCING WILL BE CONTINUOUS ACROSS PRECAST JOINTS.



PLAN VIEW



FRONT VIEW



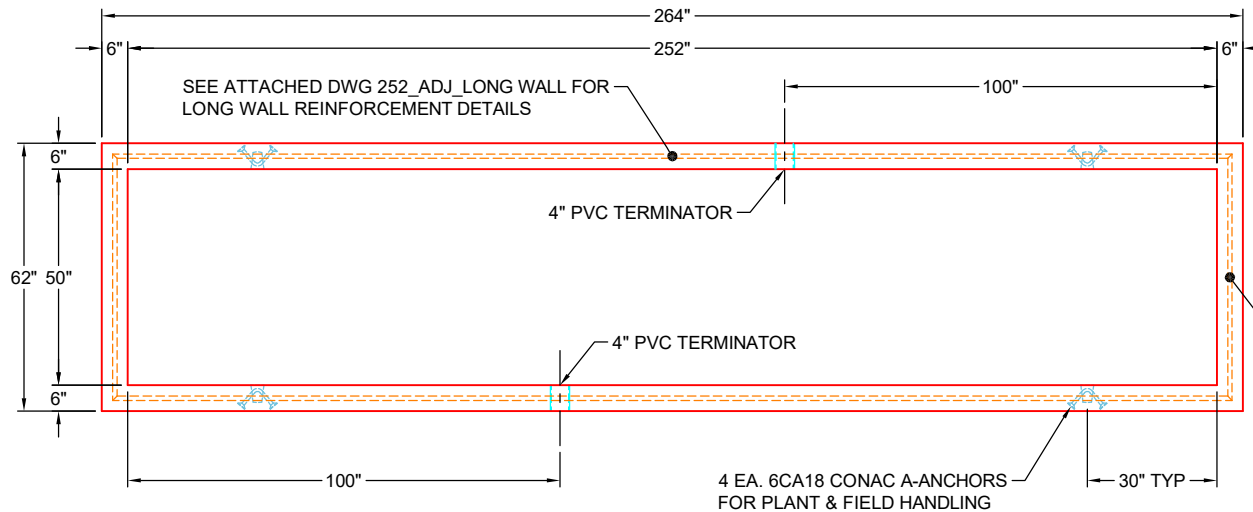
RIGHT VIEW

12X12X22
 GRINDER
 VAULT

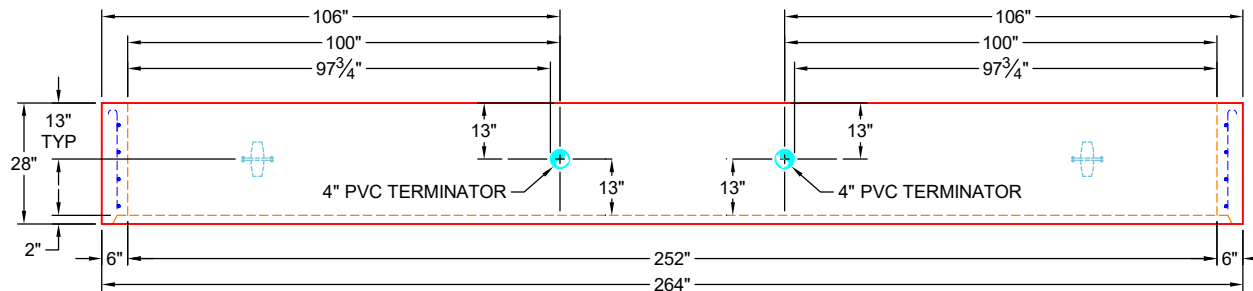
REINFORCING STEEL SCHEDULE

MARK	NO.	LENGTH	TYPE	Lb/EA.	TOTAL LB	BENDING DIAGRAM
6A	14	13'-9"	STR.	20.6525	289,1350	
6B	14	13'-9"	STR.	20.6525	289,1350	
6C	19	13'-9"	STR.	20.6525	392,3975	
6D	19	13'-9"	STR.	20.6525	392,3975	
6E	VARIES	30'-3" (2)	BENT	45.4355	VARIES	
6F	VARIES	27'-8" (2)	BENT	41.5553	VARIES	
4G	50	VARIES	STR.	VARIES	VARIES	
4H	56	VARIES	STR.	VARIES	VARIES	
6J	24	30'-3" (2)	BENT	45.4355	2180,9040	
6K	24	27'-8" (2)	BENT	41.5553	1994,6560	
4L	50	7'-9"	STR.	5.1770	258,8500	
4M	56	7'-9"	STR.	5.1770	289,9120	





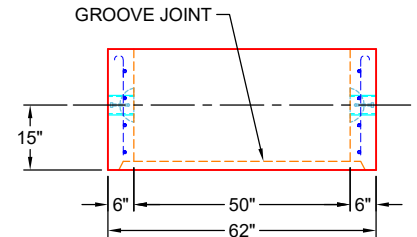
**PLAN VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION)
2. CONCRETE: 5,000 PSI AT 28 DAYS
3. REINFORCEMENT - MIN. 1½" REBAR
CLEARANCE:
- LONG WALLS: PER ATTACHED DWG 252_ADJ_LONG WALL
- SHORT WALLS: PER ATTACHED DWG SHORT WALL
4. WEIGHTS: 9,178 LBS



**SIDE VIEW
(RIGHT SIDE UP)**

PRODUCTION WORK ORDER

PRODUCT I.D.: CVR

DESCRIPTION: 50" X 252" X 28" RISER



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ HOLE LOCATION(S) CORRECT.
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ EDGES CHAMFERED.
- ☐ GROOVE JOINT INSTALLED.

PRODUCT VIEW: UPSIDE DOWN

CUSTOMER: ENDESOL, INC.

PLANT: BEAVER DAM, KY

PROJECT: 6-25 691254033

WEIGHT: 9,178 LBS

STRUCTURE: 2-61620 1 (EFX-60 21 PN VAULT)

TOP SECTION JOINT: GROOVE

ORDER NO: 26-1620

BASE SECTION JOINT: N / A

PE: J.H. ROSS

DRAWING: J.HORSLEY

QC CHECK INITIALS:

DATE: 04/24/26

SCALE: NTS

PG. 1 OF 1

4

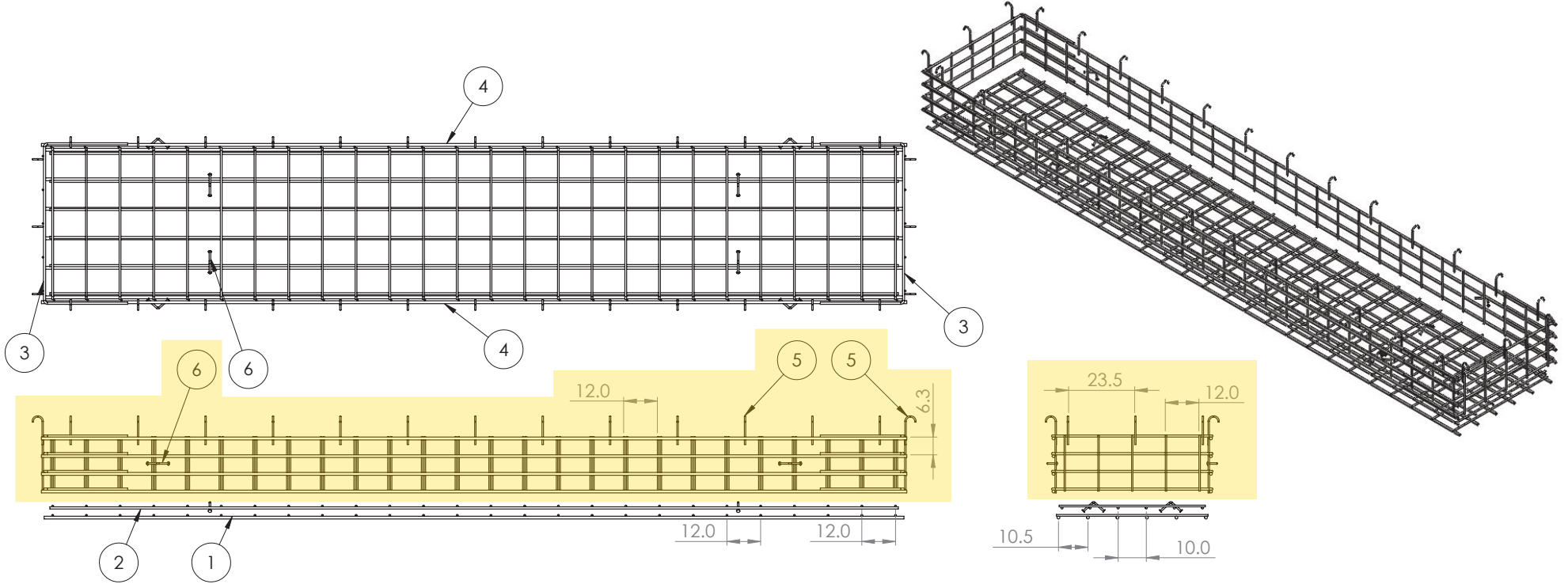
3

2

1

B

B



ITEM NO.	PART NUMBER	Qty.
1	252_Base_Bottom Mat	1
2	252_Base_Top Mat	1
3	Short Wall	2
4	252_ADJ_Long Wall	2
5	#4 0904J	32
6	6CA18	8

NOTES:

1. Rebar: #5, #6, #8 A614 Grade 60
2. All Rebar to have 1.5" Cover Minimum

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DRAWING IS THE SOLE PROPERTY OF
ENDESOL INC. ANY REPRODUCTION IN
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ENDESOL INC. IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	ENDESOL TITLE: EFX-60 Adjustable Section Rebar Layout
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL 1/8"	DRAWN	CMJ	
		TWO PLACE DECIMAL .13 THREE PLACE DECIMAL .125	CHECKED	JHR	
		INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.	XXXX	
		MATERIAL Rebar A614 G60	MFG APPR.	XXXX	
		FINISH MILL	Q.A.	XXXX	COMMENTS:
NEXT ASSY	USED ON	APPLICATION			SCALE: 1:50 WEIGHT: SHEET 1 OF 1

ENDESOLTITLE:
EFX-60 Adjustable
Section Rebar LayoutSIZE DWG. NO. REV
B EFX-60 ADJ Rebar **X1**

SCALE: 1:50 WEIGHT: SHEET 1 OF 1

4

3

2

1

A

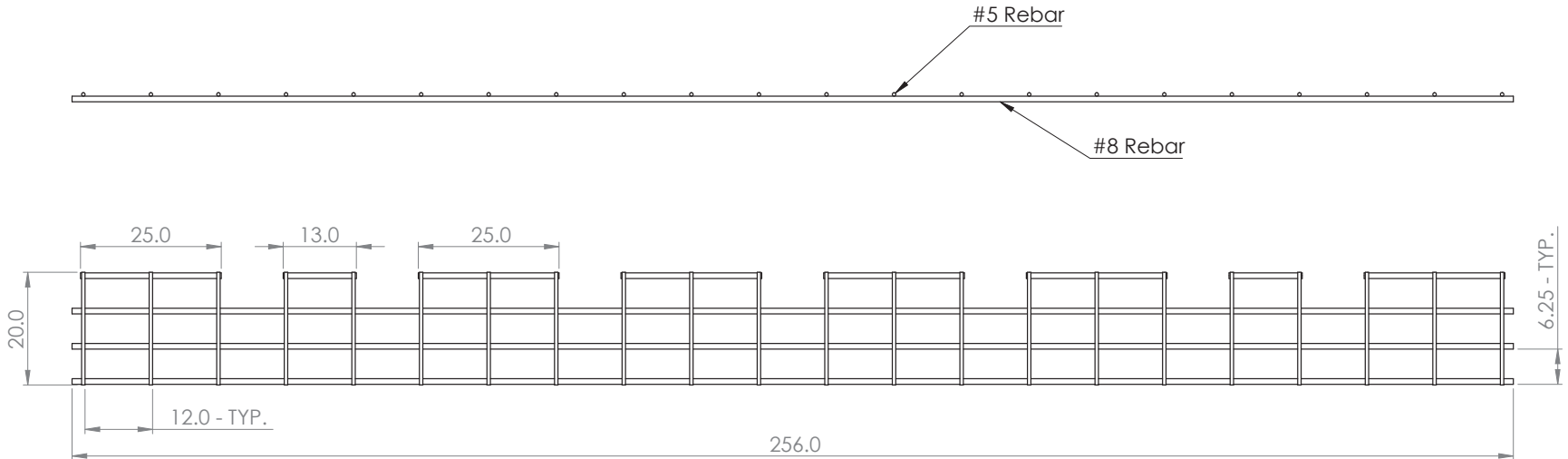
4

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2

1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	#8_256.0	#8 Rebar	3
2	#5_20.0	#5 Rebar	22
3	#8_25.0	#8 Rebar	6
4	#8_13.0	#8 Rebar	2



A

A

 infrastructure precast, inc. PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFRASTRUCTURE PRECAST INC. (iCast). ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF iCast IS PROHIBITED.	981 W. 7th Street Beaver Dam, KY 42320 P 270-363-2238 F 270-363-2234 iCastinc.com		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± ANGULAR: MACH: ± BEND: ± DECIMAL: ± 0.5"			NAME	DATE
	MATERIAL		FINISH		DRAWN	CMJ	8/3/20
	DO NOT SCALE DRAWING				CHECKED	JHR	8/3/20
					ENG APPR.		
					MFG APPR.		
					Q.A.		
				COMMENTS:			
				SIZE		DWG. NO.	REV.
				SCALE: 1:50		WEIGHT:	SHEET 1 OF 1

4

3

2

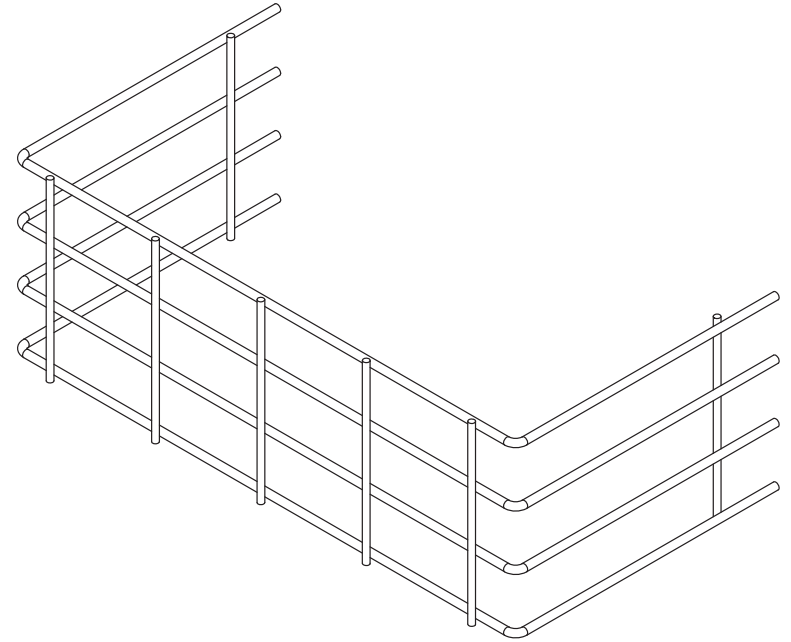
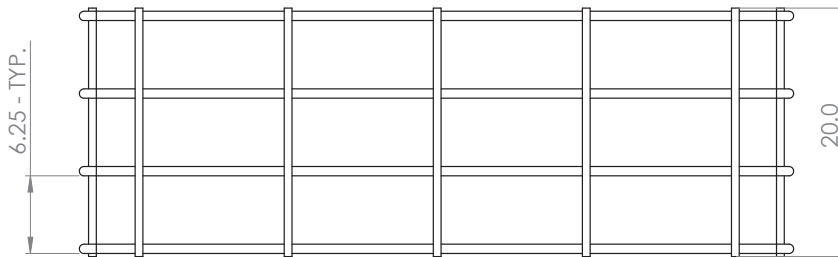
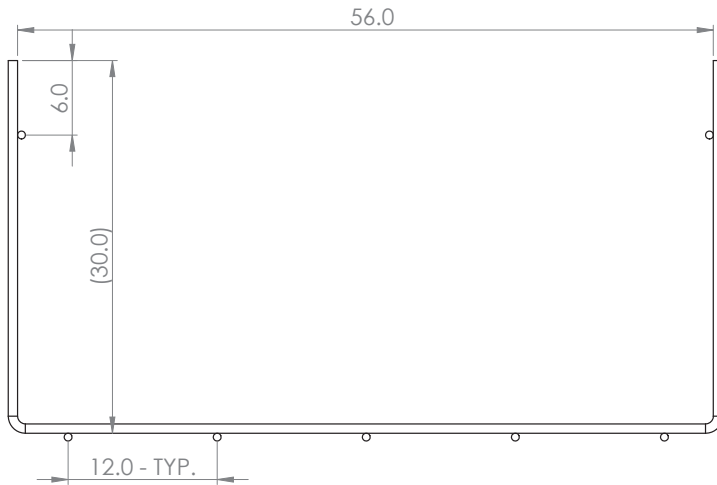
1

4

3

2

1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	6SH	#6 Formed Rebar	4
2	#5_20.0	#5 Rebar	7



981 W. 7th Street
Beaver Dam, KY
42320
P 270-363-2238
F 270-363-2234
iCastinc.com

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL: $\pm$
ANGULAR: MACH: $\pm$ BEND: $\pm$
TWO PLACE DECIMAL: $\pm$
THREE PLACE DECIMAL: $\pm$

MATERIAL

FINISH

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	XXX	
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

SIZE	DWG. NO.	REV.
B	Short Wall	
SCALE: 1:10	WEIGHT:	SHEET 1 OF 1

Job Number:

26-1620

Job Name:

6-25 691254033

Structure:

2-61620 1

Note:

Nosing Kit To Be Shipped. See Chad Jarvis.