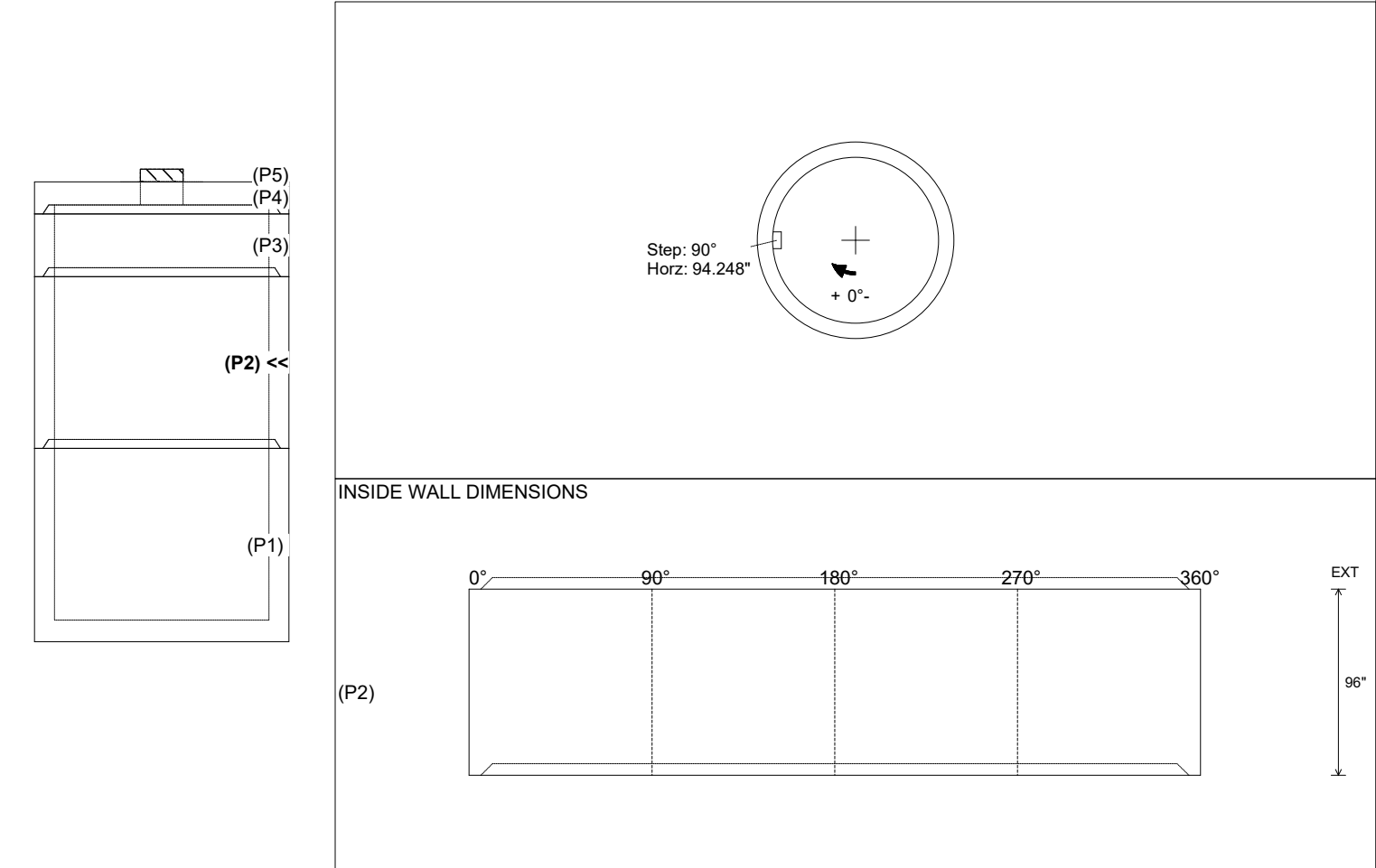


P5) 24" x 24" - CASTING HEIGHT - 7"	0 lb	Structure Notes: **INDOT STATE PROJECT** 1. INDOT MH TYPE M / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .30) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.
P4) 120" - MH FLAT TOP w/24"x24" Hole - 18"	16553 lb	
P3) 120" - MH RISER Custom Ht - 35"	13296 lb	
P2) 120" - MH RISER - 96"	36468 lb	
P1) 120" - MH BASE - 96"	37205 lb	
3) 120" - Conseal CS-102 1.00"	0 lb	
1) 24" x 24" - Conseal CS-102 1.00"	0 lb	
1) Hole - 90	0 lb	
2) Hole - 75	0 lb	
18) MH Step ML-10-TDS-NCR - 10"	0 lb	
Structure Total: 103521 lb		
Rim: 506.24' Rim to Invert: 20.49' Slack: 0.88" Sump: 7" Step Position: 90°		

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)



Coating (Int):	Seam Up: Tongue	Wall Thickness: 11"	Height (Int): 96"	Weight (Net): 36468 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 96"	Volume (Net): 9.32cu.yd

Job Name: 26-1987 Project Nova
Job Location: 200 South, IN 47882
Contractor: McCreary Concrete Products, Inc

Plant: 100
8/7/2026 9:24:04 AM

Tech: Jared - A
PC: Jay Ross Jarvis



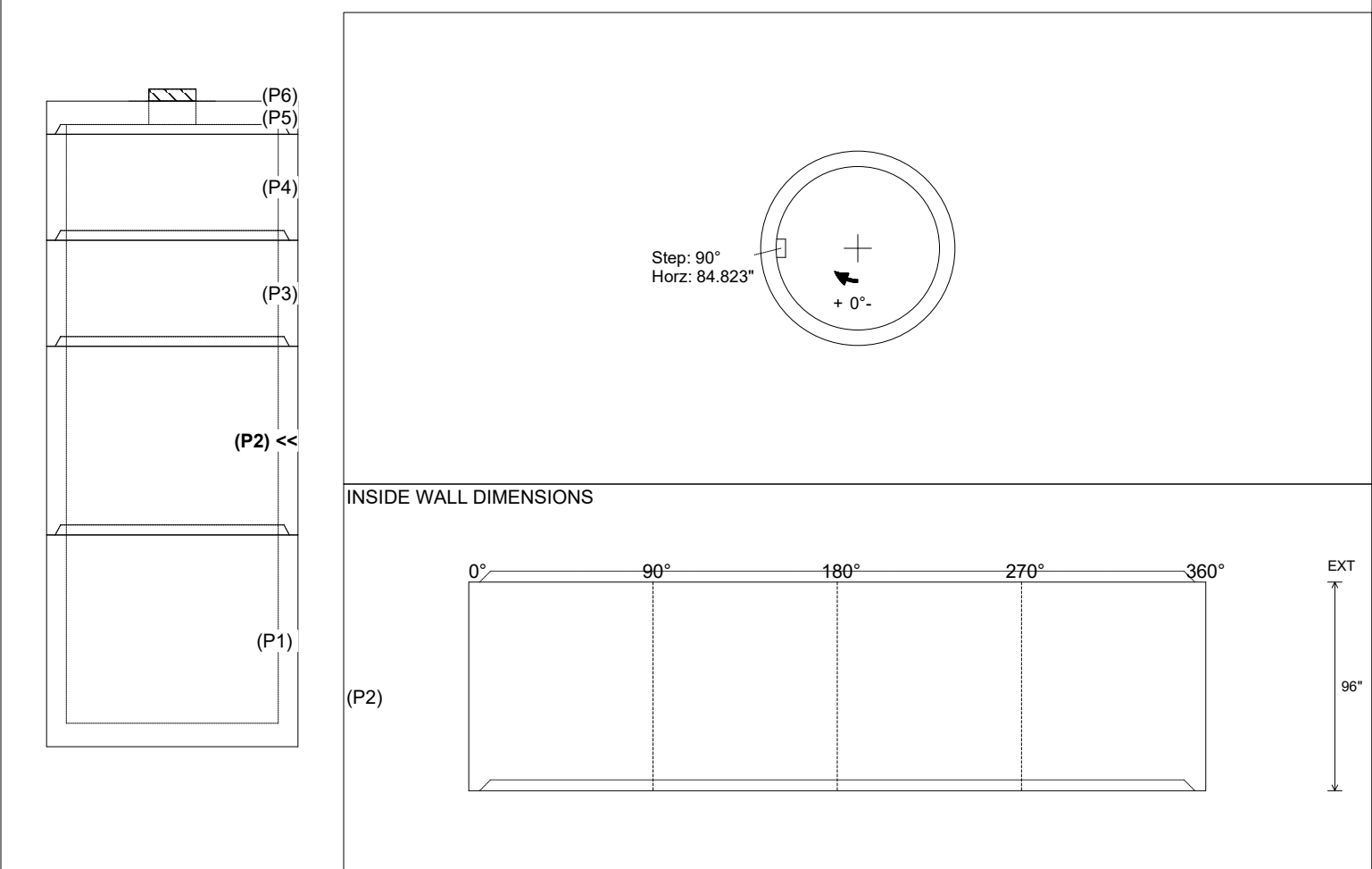
Structure ID: STMH-1209A

P2 MH108RS96 MH RISER

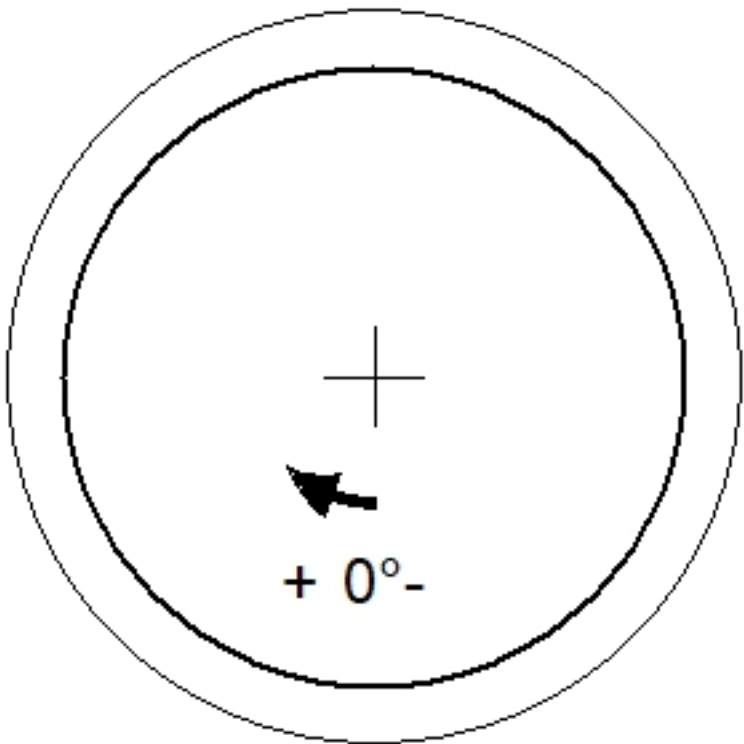
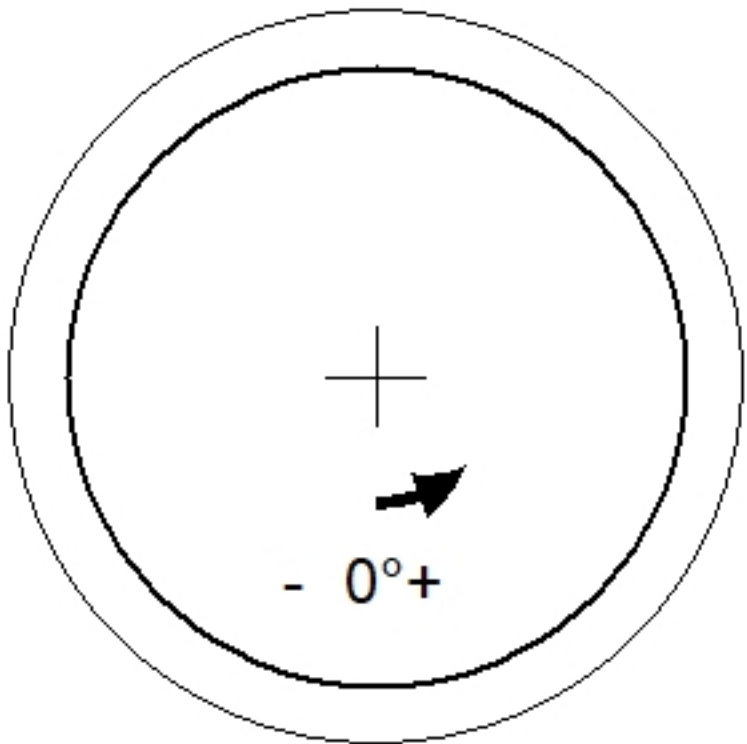
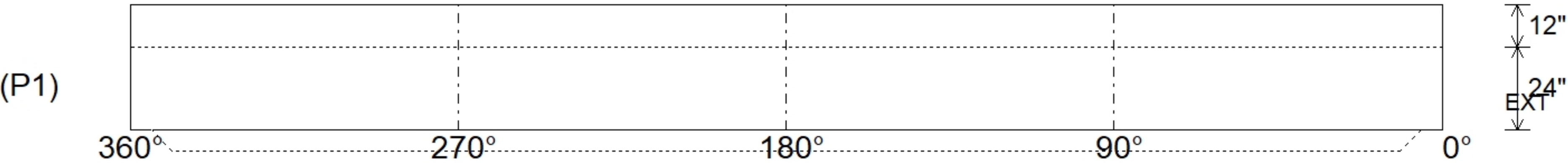
P6) 24" x 36" - CASTING HEIGHT - 6" P5) 108" - MH FLAT TOP w/24" X 36" HOLE - 17" P4) 108" - MH RISER - 54" P3) 108" - MH RISER - 54" P2) 108" - MH RISER - 96" P1) 108" - MH BASE - 96" 4) 108" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 75 1) Hole - 62 26) MH Step ML-10-TDS-NCR - 10"	0 lb 12900 lb 16798 lb 16798 lb 29863 lb 36119 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 112477 lb	Structure Notes: . **INDOT STATE PROJECT** 1. INDOT MH TYPE M / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .30) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.
Rim: 512.46' Rim to Invert: 26.45' Slack: 0.4" Sump: 6" Step Position: 90°		

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)



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 10" Floor Height: 0"	Height (Int): 96" Height (Ext): 96"	Weight (Net): 29863 lb Volume (Net): 7.63cu.yd
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Job Name: 26-3051 ADS Aiken Ridge Ph.2 Job Location: Louisville, KY Contractor: ADS Advanced Drainage Systems, Inc.					Plant: Beaver Dam 7/27/2026 1:49:29 PM		Tech: S. Felletter PC: T. Ryan						
Structure ID: WQU2													
P1 MH120BVF			MH BASE T/n										
P7) 24" - CASTING HEIGHT - 7" P6) 24" - GRADE RING F/F - 3" P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18" P4) 120" - MH RISER T/G - 48" P3) 120" - MH RISER T/G - 96" P2) 120" - MH RISER T/G - 96" P1) 120" - MH BASE T/n - 24" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ASSEMBLY REQUIRED - BRACKETS ONLY 1) CASTING - HOE MC-420 F/C Storm LOU-MSD 4) 120" - Conseal CS-102 1.00" 2) 24" - Conseal CS-102 1.00" 2) Hole - 24						0 lb 202 lb 16678 lb 18234 lb 35438 lb 36468 lb 25064 lb 0 lb 0 lb 0 lb 340 lb 0 lb 0 lb 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (HOE MC-420 F/C LOU-MSD "STORM"). 4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE. 5. ASSEMBLY REQUIRED - BRACKETS ONLY. . REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .36) - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.					
Rim: 643.5' Rim to Invert: 10.85' Slack: 0.2" Sump: 162" Step Position:						Structure Total: 132424 lb							
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset			
Invert 1													
Invert 2													
Invert 3													
Invert 4													
Invert 5													
Invert 6													
Invert 7													
Invert 8													
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)   INSIDE WALL DIMENSIONS 													

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 11"
Floor Height: 12"

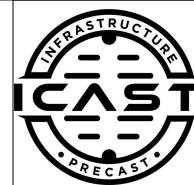
Height (Int): 24"
Height (Ext): 36"

Weight (Net): 25064 lb
Volume (Net): 6.4cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100
8/7/2026 10:21:16 AM

Tech: Jared - A
PC: Trevor Lewis



Structure ID: AA5 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE - 42"
P1) 48" - MH BASE Custom Ht - 37"
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
1) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
1) A-Lok - 0285
6) MH Step ML-10-TDS-NCR - 10"

- Structure Notes: .
1. HOE MC-375 F/C SANITARY" PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

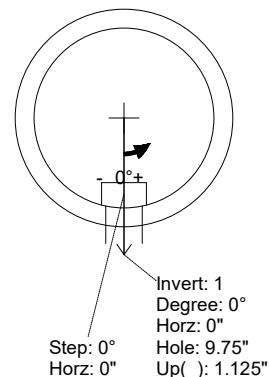
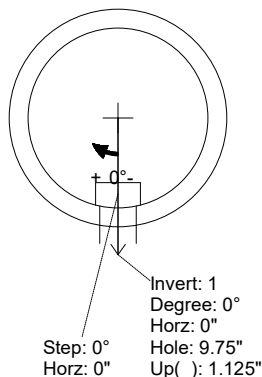
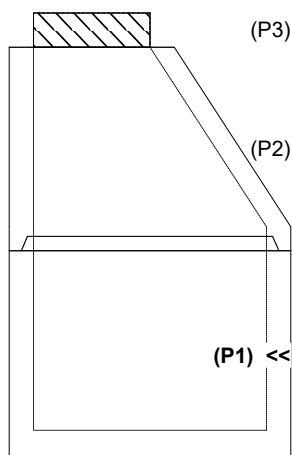
Structure Total: 8795 lb

Rim: 558.88' Rim to Invert: 7' Slack: 0" Sump: 2" Step Position: 0

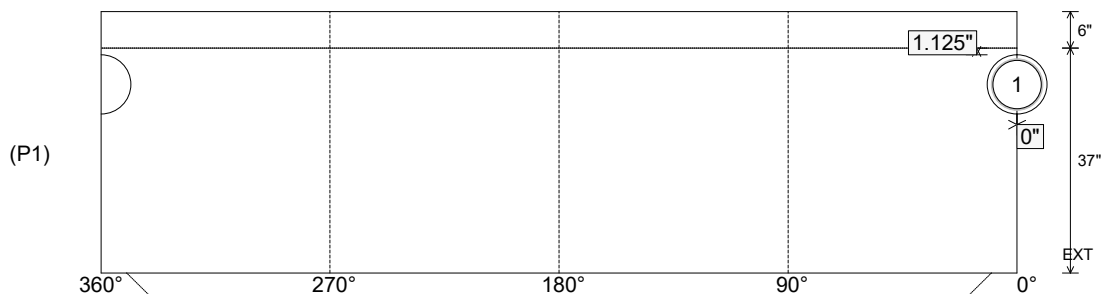
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	551.88'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 37"
Height (Ext): 43"

Weight (Net): 3883 lb
Volume (Net): 0.99cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100
8/7/2026 10:21:16 AM

Tech: Jared - A
PC: Trevor Lewis



Structure ID: AA5 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE - 42"
P1) 48" - MH BASE Custom Ht - 37"
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
1) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
1) A-Lok - 0285
6) MH Step ML-10-TDS-NCR - 10"

- 0 lb
3200 lb
3883 lb
0 lb
1440 lb
271 lb
0 lb
0 lb
1 lb
0 lb
- Structure Notes: .
1. HOE MC-375 F/C SANITARY" PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Structure Total: 8795 lb

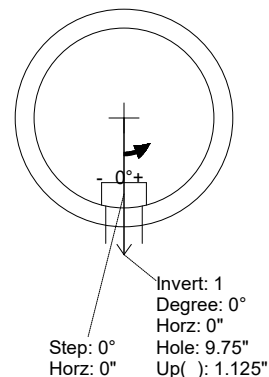
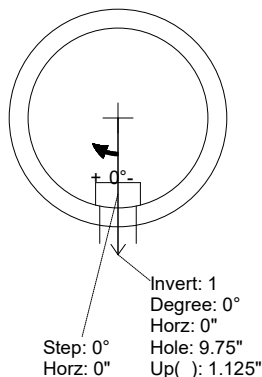
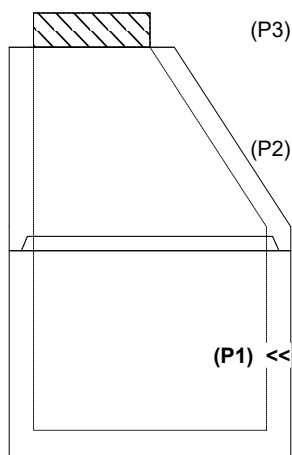
INVERT CHANNEL DRAWING
FULL HEIGHT INVERT

Rim: 558.88' Rim to Invert: 7' Slack: 0" Sump: 2" Step Position: 0

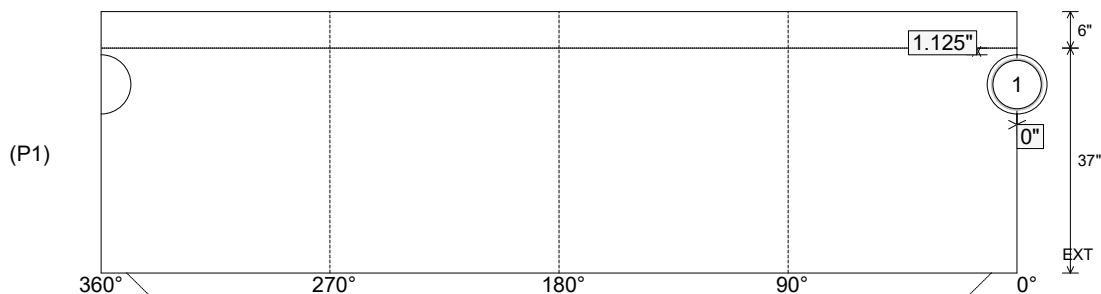
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	551.88'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 37"
Height (Ext): 43"

Weight (Net): 3883 lb
Volume (Net): 0.99cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100

8/7/2026 10:21:15 AM

Tech: Jared - A

PC: Trevor Lewis



Structure ID: AA4 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE - 30"
P2) 48" - MH RISER - 60"
P1) 48" - MH BASE Custom Ht - 27"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) CASTING - HOE MC-375 F/C Sanitary
2) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) A-Lok - 0285
9) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

0 lb
2050 lb
4192 lb
3153 lb
1440 lb
0 lb
271 lb
0 lb
0 lb
0 lb
2 lb
0 lb

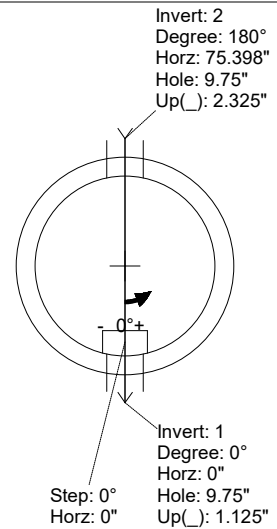
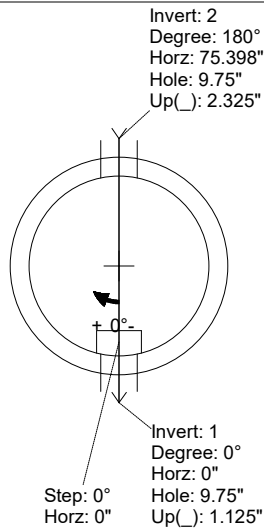
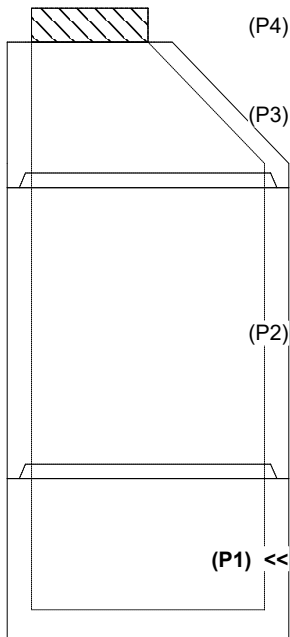
Structure Total: 11108 lb

Rim: 560.96' Rim to Invert: 10.22' Slack: 0.64" Sump: 2" Step Position: 0

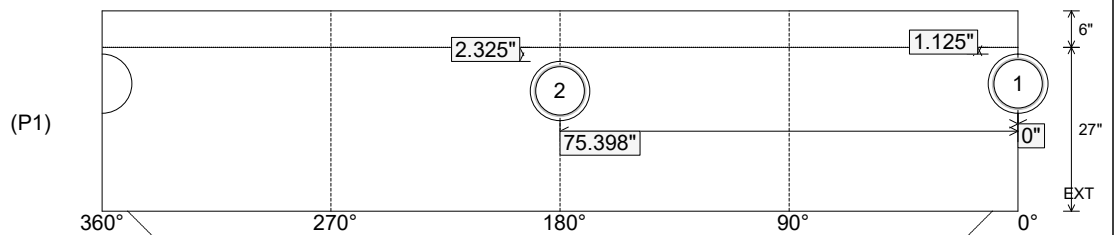
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	550.74'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	550.84'	180°	91.106"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 27"
Height (Ext): 33"

Weight (Net): 3153 lb
Volume (Net): 0.8cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100
8/7/2026 10:21:15 AM

Tech: Jared - A
PC: Trevor Lewis



Structure ID: AA4 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE - 30"
P2) 48" - MH RISER - 60"
P1) 48" - MH BASE Custom Ht - 27"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) CASTING - HOE MC-375 F/C Sanitary
2) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) A-Lok - 0285
9) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Structure Total: 11108 lb

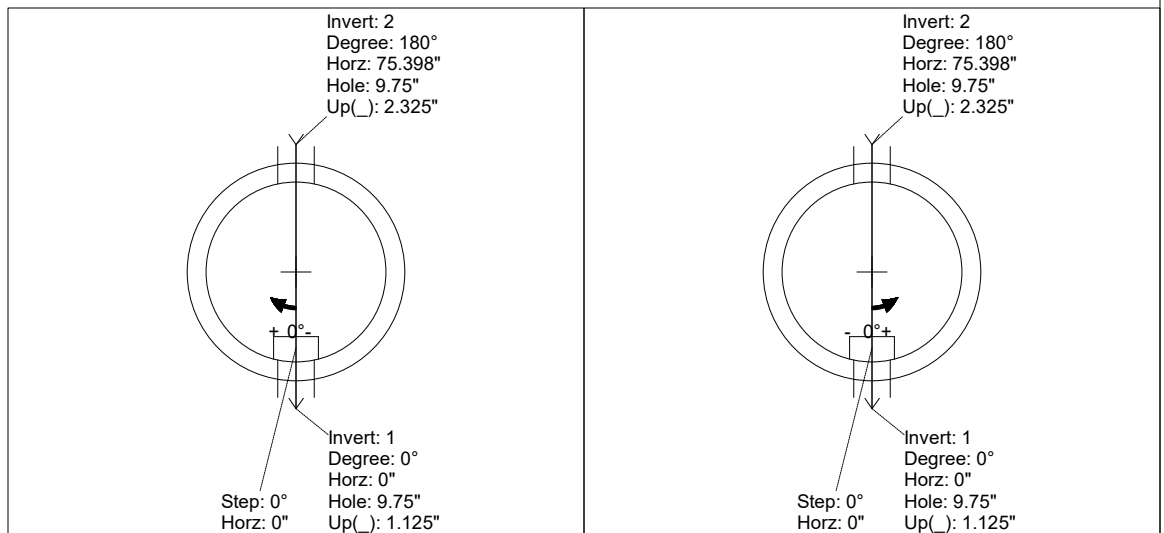
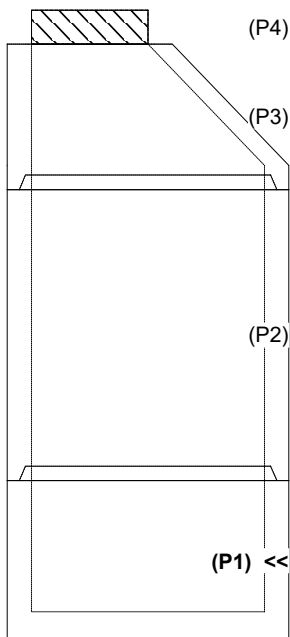
INVERT CHANNEL DRAWING
FULL HEIGHT INVERT

Rim: 560.96' Rim to Invert: 10.22' Slack: 0.64" Sump: 2" Step Position: 0

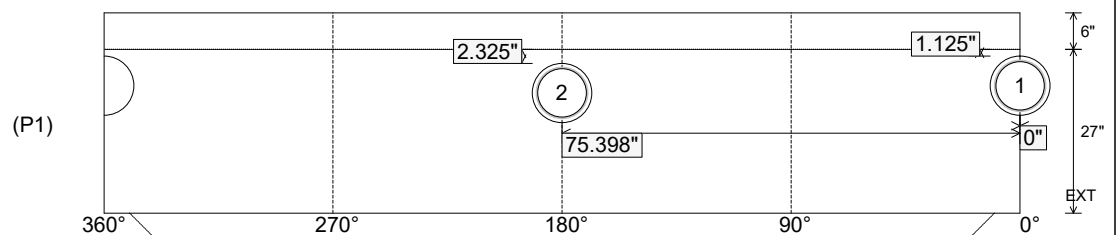
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	550.74'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	550.84'	180°	91.106"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 27"
Height (Ext): 33"

Weight (Net): 3153 lb
Volume (Net): 0.8cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100
8/7/2026 10:21:14 AM

Tech: Jared - A
PC: Trevor Lewis



Structure ID: AA3 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

P5) 24" - CASTING HEIGHT - 7"
P4) 48" - ECC CONE w/ 24" HOLE - 24"
P3) 48" - MH RISER - 48"
P2) 48" - MH RISER - 48"
P1) 48" - MH BASE Custom Ht - 28"
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
3) 48" - Conesal CS-102 1.00" (Double)
1) 24" - Conesal CS-102 1.00" (Double)
2) A-Lok - 0285
12) MH Step ML-10-TDS-NCR - 10"

Structure Notes:
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

0 lb
1550 lb
3353 lb
3353 lb
3223 lb
0 lb
1440 lb
271 lb
0 lb
0 lb
2 lb
0 lb

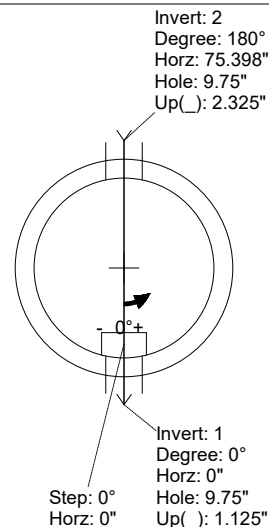
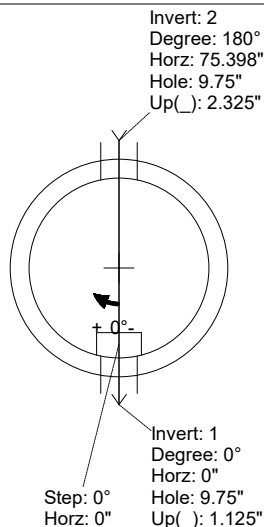
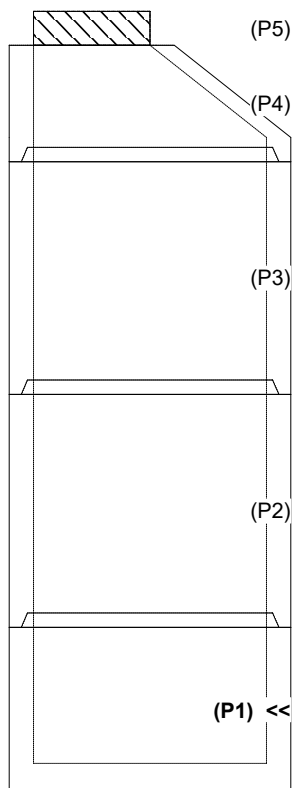
Structure Total: 13193 lb

Rim: 561.5' Rim to Invert: 12.77' Slack: 0.24" Sump: 2" Step Position: 0

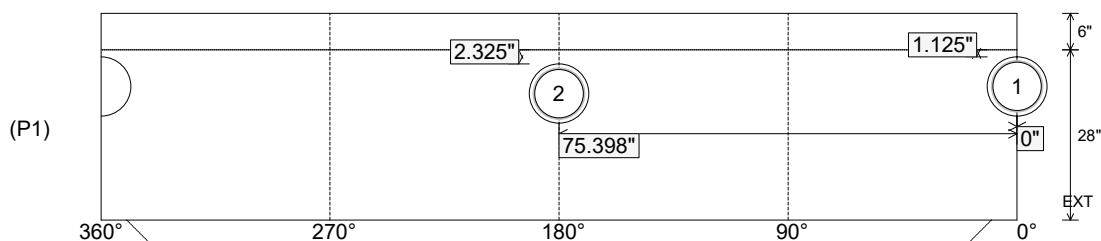
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	548.73'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	548.83'	180°	91.106"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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"

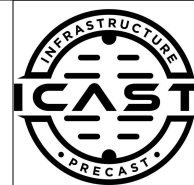
Height (Int): 28"
Height (Ext): 34"

Weight (Net): 3223 lb
Volume (Net): 0.82cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100
8/7/2026 10:21:14 AM

Tech: Jared - A
PC: Trevor Lewis



Structure ID: AA3 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

P5) 24" - CASTING HEIGHT - 7"
P4) 48" - ECC CONE w/ 24" HOLE - 24"
P3) 48" - MH RISER - 48"
P2) 48" - MH RISER - 48"
P1) 48" - MH BASE Custom Ht - 28"
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
3) 48" - Conesal CS-102 1.00" (Double)
1) 24" - Conesal CS-102 1.00" (Double)
2) A-Lok - 0285
12) MH Step ML-10-TDS-NCR - 10"

Structure Notes:
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

**INVERT CHANNEL DRAWING
FULL HEIGHT INVERT**

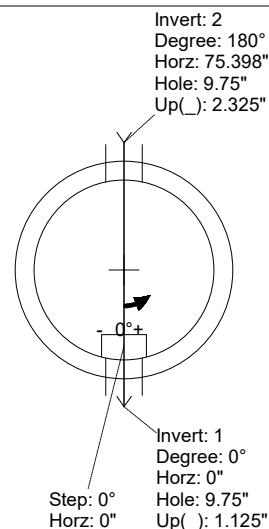
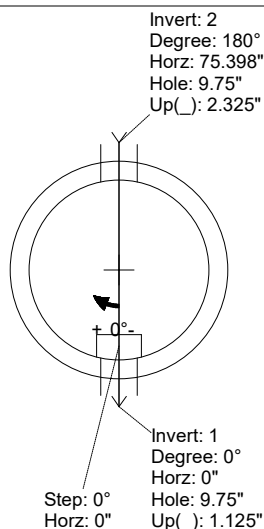
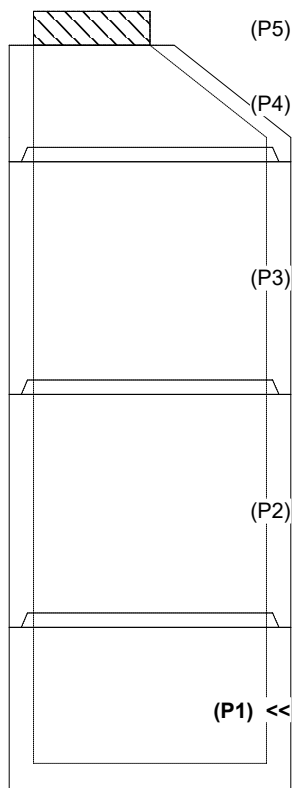
Structure Total: 13193 lb

Rim: 561.5' Rim to Invert: 12.77' Slack: 0.24" Sump: 2" Step Position: 0

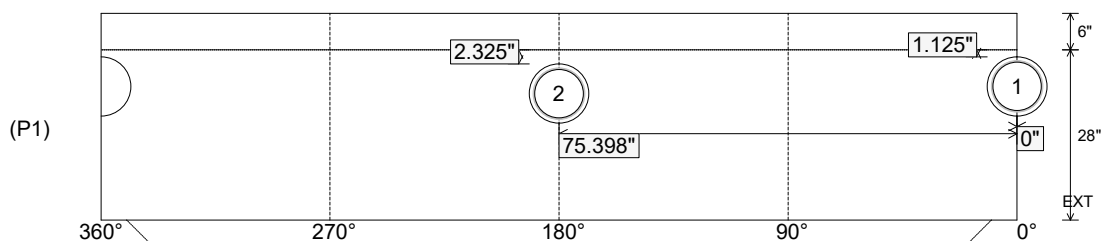
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	548.73'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	548.83'	180°	91.106"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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): 28"
Height (Ext): 34"

Weight (Net): 3223 lb
Volume (Net): 0.82cu.yd

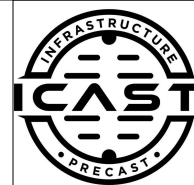


Weight (Net): 3207 lb
Volume (Net): 0.82cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100
8/7/2026 10:21:13 AM

Tech: Jared - A
PC: Trevor Lewis



Structure ID: AA2 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

P5) 24" - CASTING HEIGHT - 7"
P4) 48" - ECC CONE w/ 24" HOLE - 36"
P3) 48" - MH RISER - 48"
P2) 48" - MH RISER - 48"
P1) 48" - MH BASE Custom Ht - 28"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) CASTING - HOE MC-375 F/C Sanitary
3) 48" - Con Seal CS-102 1.00" (Double)
1) 24" - Con Seal CS-102 1.00" (Double)
2) A-Lok - 0285
1) A-Lok - 0200
13) MH Step ML-10-TDS-NCR - 10"

Structure Notes:
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

**INVERT CHANNEL DRAWING
FULL HEIGHT INVERT**

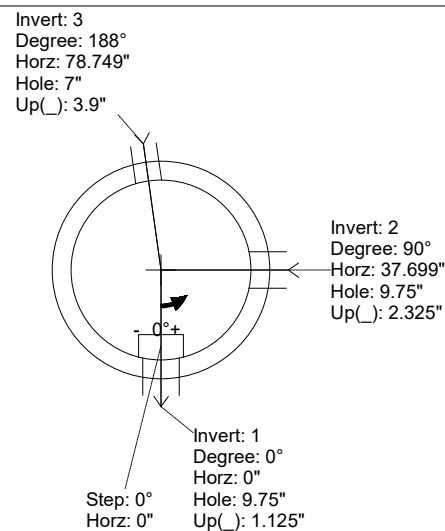
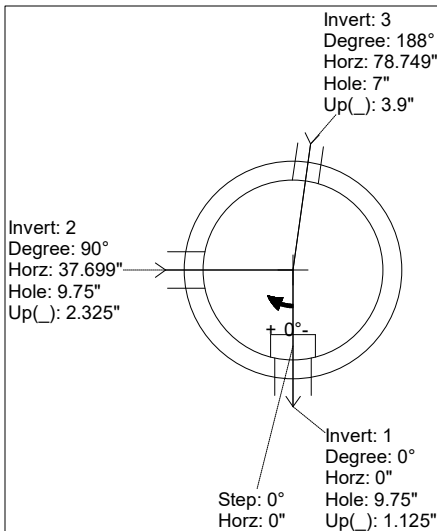
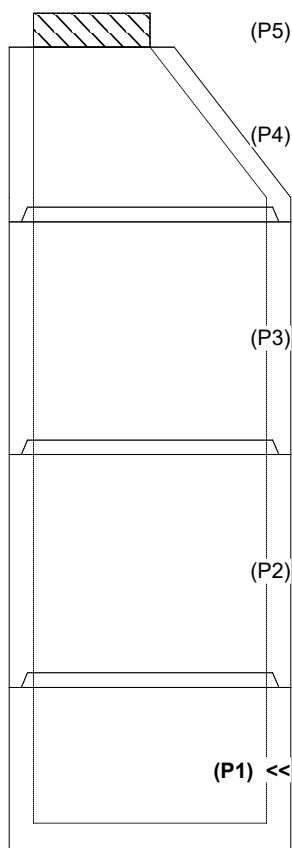
Structure Total: 14627 lb

Rim: 560.46' Rim to Invert: 13.79' Slack: 0.48" Sump: 2" Step Position: 0

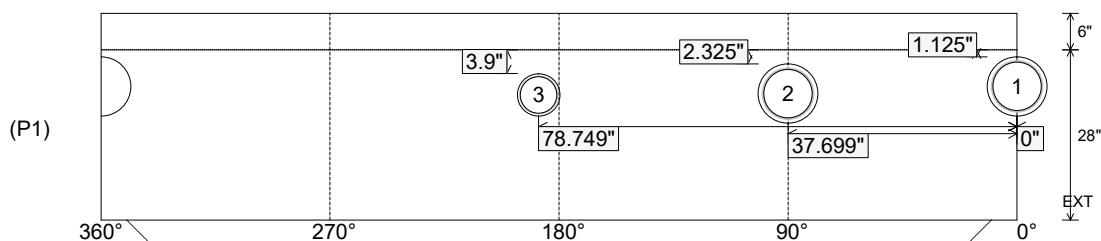
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	546.67'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	546.77'	90°	45.553"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3	546.87'	188°	95.155"	6" PVC SDR35	6.25"	A-Lok 0200	7"	7.025"	3.9"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 28"
Height (Ext): 34"

Weight (Net): 3207 lb
Volume (Net): 0.82cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100

8/7/2026 10:21:12 AM

Tech: Jared - A

PC: Trevor Lewis



Structure ID: AA1 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE - 30"
P2) 48" - MH RISER - 48"
P1) 48" - MH BASE Custom Ht - 32"
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
2) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
3) A-Lok - 0285
9) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
 2. PER ASTM C478 SPECIFICATIONS.
 3. CONCRETE = 4,000 PSI AT 28 DAYS.
 4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

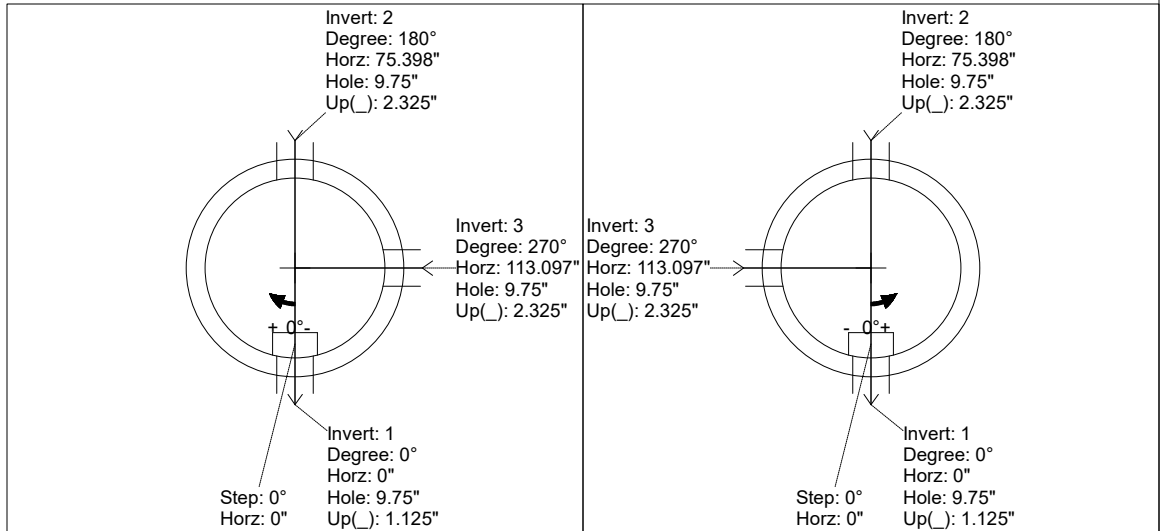
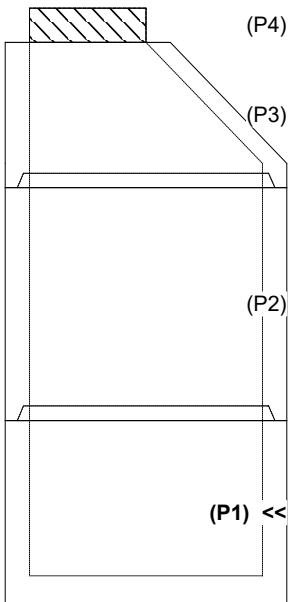
Structure Total: 10588 lb

Rim: 555.5' Rim to Invert: 9.6' Slack: 0.2" Sump: 2" Step Position: 0

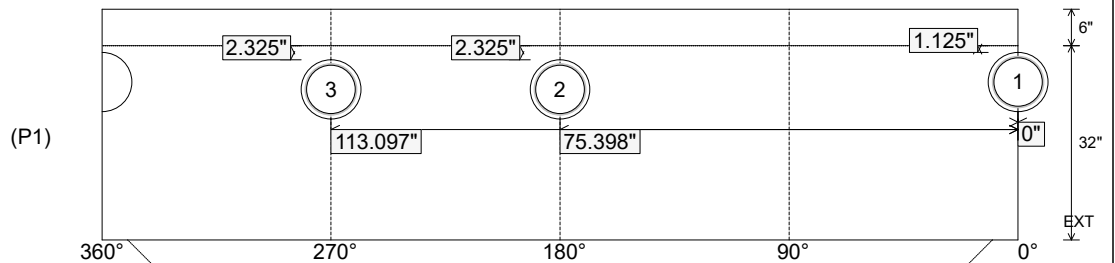
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	545.9'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	546'	180°	91.106"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3	546'	270°	136.659"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 32"
Height (Ext): 38"

Weight (Net): 3471 lb
Volume (Net): 0.89cu.yd

Job Name: 26-2513- Stagner Farms Subdivision Sec. 2
Job Location: Bowling Green, KY
Contractor: R.A. Alexander & Sons, Inc.

Plant: 100

8/7/2026 10:21:12 AM

Tech: Jared - A

PC: Trevor Lewis



Structure ID: AA1 SS-MH

P1 MH048BAVF

MH BASE Custom Ht

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE - 30"
P2) 48" - MH RISER - 48"
P1) 48" - MH BASE Custom Ht - 32"
1) JOINT WRAP - 12" WD x 048" MAC WRAP
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) CASTING - HOE MC-375 F/C Sanitary
2) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
3) A-Lok - 0285
9) MH Step ML-10-TDS-NCR - 10"

- 0 lb
2050 lb
3353 lb
3471 lb
0 lb
1440 lb
271 lb
0 lb
0 lb
0 lb
3 lb
0 lb
- Structure Notes:**
1. HOE MC-375 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Structure Total: 10588 lb

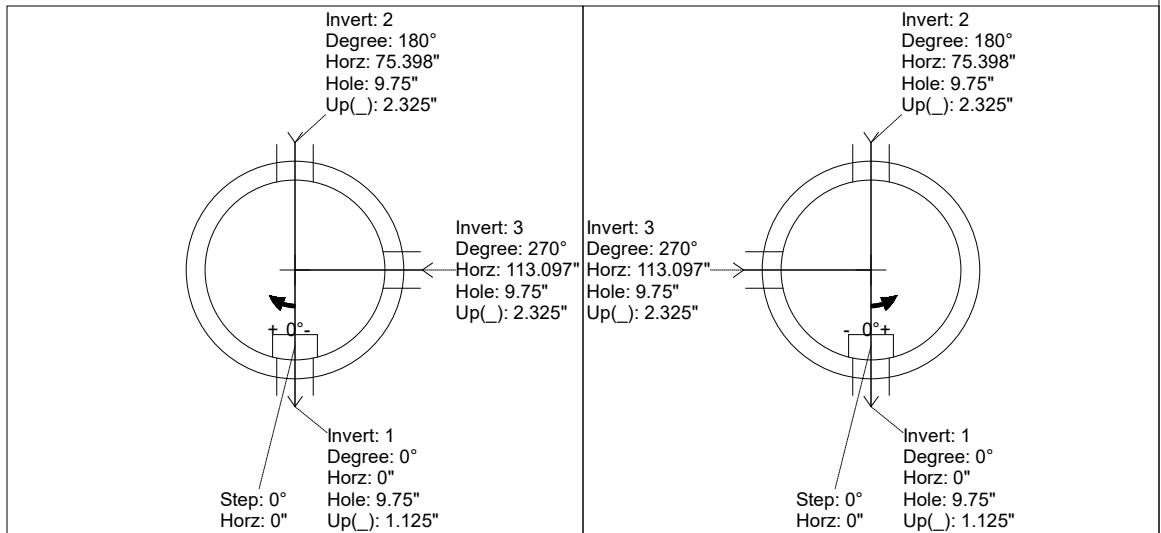
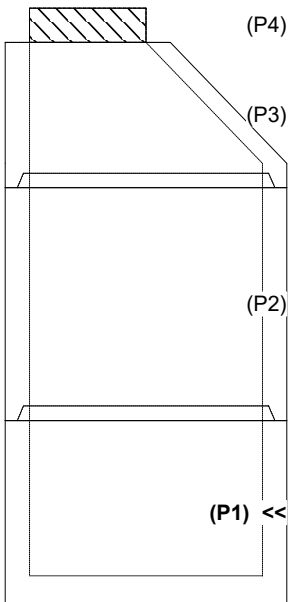
**INVERT CHANNEL DRAWING
FULL HEIGHT INVERT**

Rim: 555.5' Rim to Invert: 9.6' Slack: 0.2" Sump: 2" Step Position: 0

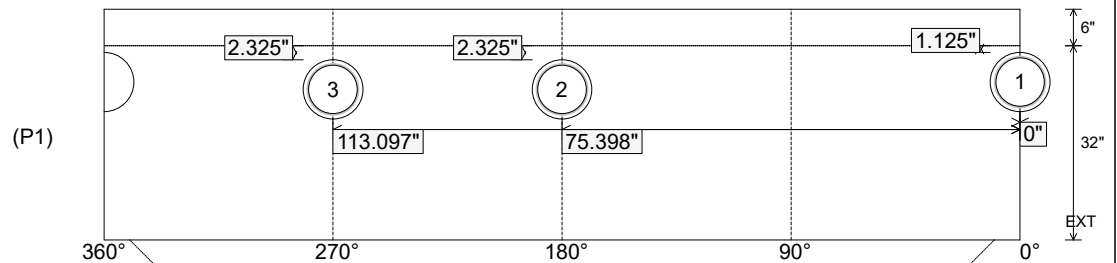
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (")	Offset
Invert 1	545.9'	0°	0"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	1.125"	0"
Invert 2	546'	180°	91.106"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 3	546'	270°	136.659"	8" PVC SDR35	8.5"	A-Lok 0285	9.75"	9.818"	2.325"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 32"
Height (Ext): 38"

Weight (Net): 3471 lb
Volume (Net): 0.89cu.yd

Job Name: 26-2146 - Fairview Apartments
Job Location: Russell Springs, KY 42642
Contractor: Dirt Design Construction LLC

Plant: 100

8/3/2026 11:47:18 AM

Tech: J. Horsley

PC: M. Sullivan



Structure ID: 18 ST-DCB

P2 MH048LD07-18x36RECT

MH FLAT TOP w/18"x36" Hole

P3) 18" x 36" - CASTING HEIGHT - 5.5"
P2) 48" - MH FLAT TOP w/18"x36" Hole - 7"
P1) 48" - MH BASE Custom Ht - 21"
1) 48" - Con Seal CS-102 1.00"
2) Hole - 20

Structure Total:

0 lb
1171 lb
2527 lb
0 lb
0 lb

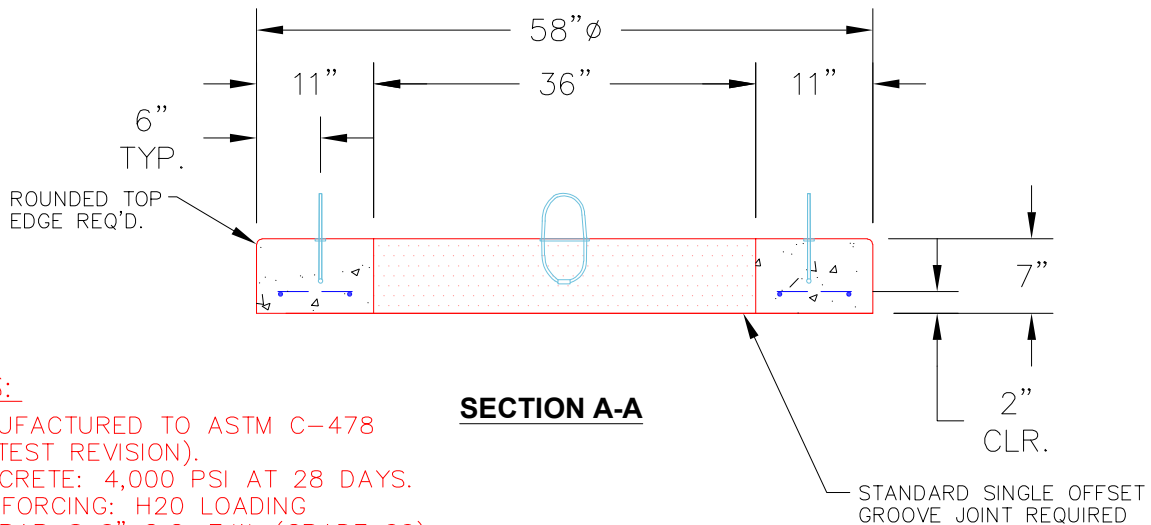
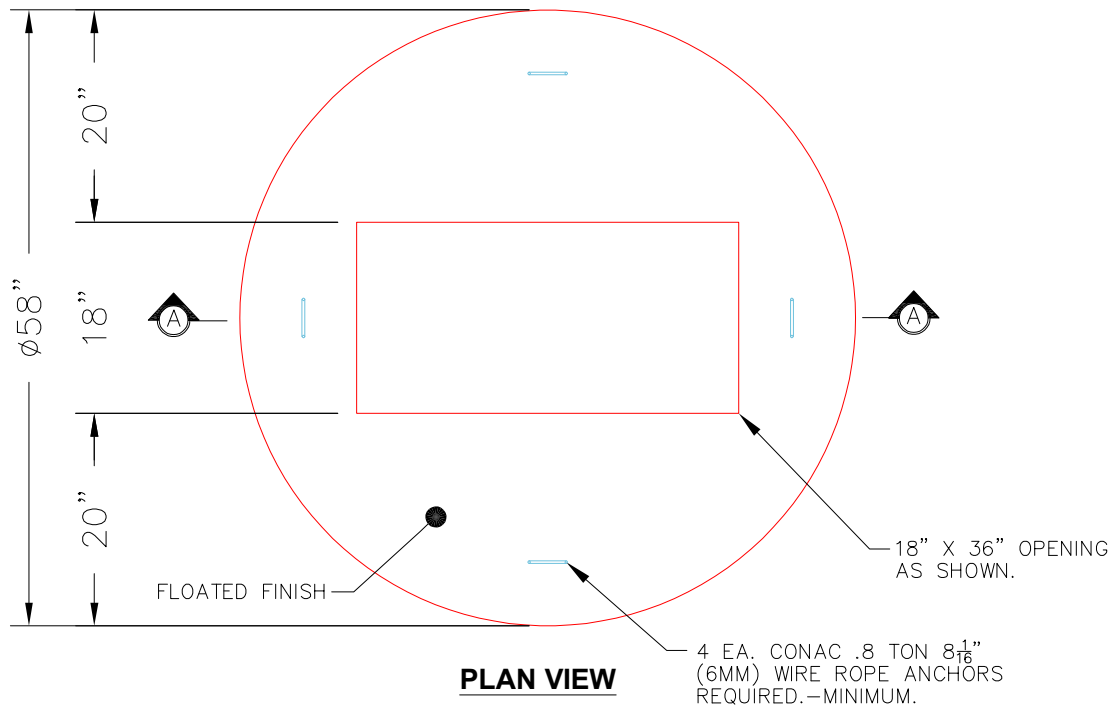
3698 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY OTHERS (HOE 580 F/G)

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB = H20 LOADING.
- WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: H20 LOADING #5 BAR @ 6" O.C. E.W. (GRADE 60).

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 7"

Weight (Net): 1171 lb
Volume (Net): 0.3cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 7/1/2026 12:29:33 PM		Tech: Jared - A PC: J. Jarvis			
Structure ID: 473										
P1 MH048BAVF			MH BASE Custom Ht							
P3) 24" - CASTING HEIGHT - 8" P2) 48" - ECC CONE w/ 24" HOLE - 36" P1) 48" - MH BASE Custom Ht - 56" 1) CASTING - HOE KY-510 F/C (KY TY.2) 1) 48" - Conseal CS-102 1.00" 2) Hole - 32 1) Hole - 24 7) MH Step ML-10-TDS-NCR - 10"						0 lb 3000 lb 4318 lb 510 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 7828 lb		Structure Notes: **KYTC STATE PROJECT** 1. HOE KY-510 F/C (KY TY2) PROVIDED BY ICAST. 2. PER KYTC MH A / ASTM C478 SPEC'S. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60.) - CONE (As .62) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
Rim: 893.52' Rim to Invert: 8.07' Slack: 0.84" Sump: 4" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	885.45'	0°	0"	24" ADS N-12	28"	Hole 32	32"	35.027"	0"	0"
Invert 2	885.45'	170°	86.045"	24" ADS N-12	28"	Hole 32	32"	35.027"	0"	0"
Invert 3	885.45'	260°	131.598"	18" ADS N-12	22"	Hole 24	24"	25.133"	1"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 56" Height (Ext): 62"	Weight (Net): 4318 lb Volume (Net): 1.1cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100		Tech: Jared - A			
					7/1/2026 12:29:54 PM		PC: J. Jarvis			
Structure ID: 461										
P1 MH048BA54			MH BASE							
P4) 24" - CASTING HEIGHT - 8" P3) 24" - GRADE RING - 3" P2) 48" - ECC CONE w/ 24" HOLE - 24" P1) 48" - MH BASE - 54" 1) CASTING - HOE KY-510 F/C (KY TY.2) 1) 48" - Conseal CS-102 1.00" 2) Hole - 24" 1) Hole - 20" 6) MH Step ML-10-TDS-NCR - 10"					0 lb 202 lb 1550 lb 4573 lb 510 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 6835 lb		Structure Notes: **KYTC STATE PROJECT** 1. HOE KY-510 F/C (KY TY2) PROVIDED BY ICAST. 2. PER KYTC MH A / ASTM C478 SPEC'S. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60.) - CONE (As .62) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 893.11' Rim to Invert: 7.23' Slack: 0.76" Sump: 3" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	885.88'	0°	0"	18" ADS N-12	22"	Hole 24	24"	25.133"	0"	0"
Invert 2	885.88'	146°	73.897"	18" ADS N-12	22"	Hole 24	24"	25.133"	0"	0"
Invert 3	885.88'	247°	125.018"	15" ADS N-12	18"	Hole 20	20"	20.629"	0.5"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

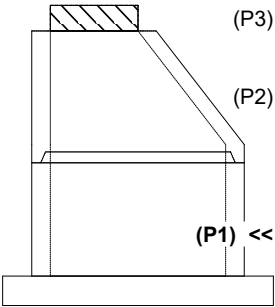
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

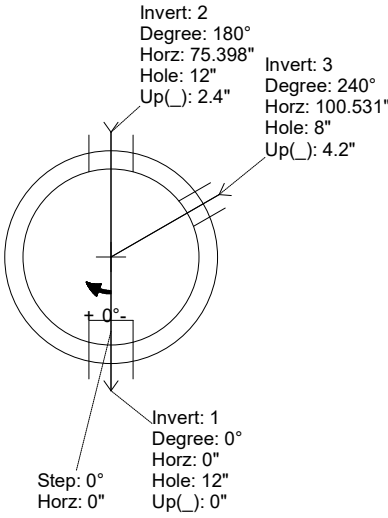
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 54" Height (Ext): 60"	Weight (Net): 4573 lb Volume (Net): 1.17cu.yd
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Job Name: 25-3241P2 - Buck Hills Subdivision Job Location: Lawrenceburg, KY 40342 Contractor: Edmonson Plumbing & Heating Supply					Plant: 100 7/24/2026 12:44:00 PM		Tech: Jared - A PC: C. Goff				
Structure ID: MH C2											
P1 MH048BAEVF		MH BASE w/FLANGE (08F/08EF)									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - ECC CONE w/ 24" HOLE - 36" P1) 48" - MH BASE w/FLANGE (08F/08EF) - 31" 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-420 F/C Sanitary 1) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) PSX - 12-08 NYLO 1) PSX - 8QRS-S NYLO					0 lb 3000 lb 4936 lb 0 lb 0 lb 1440 lb 340 lb 0 lb 0 lb 16 lb 6 lb		Structure Notes: 1. HOE MC-420 F/C SANITARY PROVIDED BY ICAST 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Structure Total: 9738 lb											
Rim: 812.95' Rim to Invert: 6' Slack: 0" Sump: 2" Step Position: 0											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	806.95'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"	
Invert 2	807.15'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.4"	0"	
Invert 3	807.3'	240°	121.475"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	4.2"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



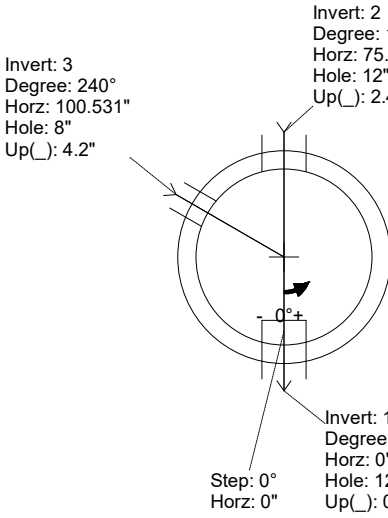
Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 2.4"

Invert: 3
Degree: 240°
Horz: 100.531"
Hole: 8"
Up(): 4.2"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)



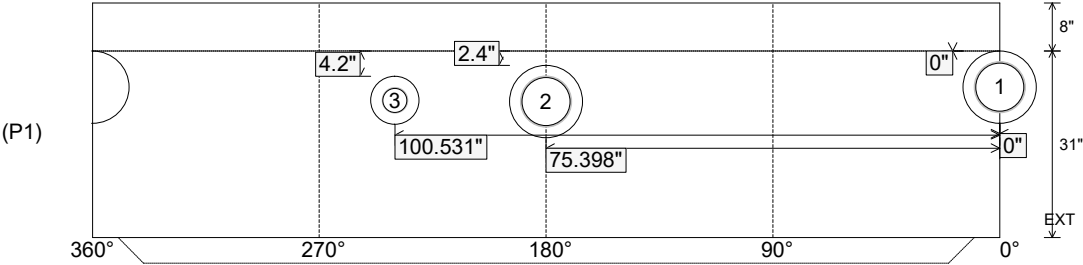
Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 2.4"

Invert: 3
Degree: 240°
Horz: 100.531"
Hole: 8"
Up(): 4.2"

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

Step: 0°
Horz: 0"

INSIDE WALL DIMENSIONS



(P1)

Horizontal dimensions: 4.2", 2.4", 100.531", 75.398", 0"

Vertical dimensions: 8", 31"

Angles: 360°, 270°, 180°, 90°, 0°

EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 8"	Height (Int): 31" Height (Ext): 39"	Weight (Net): 4936 lb Volume (Net): 1.26cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-3241P2 - Buck Hills Subdivision

Job Location: Lawrenceburg, KY 40342

Contractor: Edmonson Plumbing & Heating Supply

Plant: 100

7/24/2026 12:44:00 PM

Tech: Jared - A

PC: C. Goff

Structure ID: MH C2

P1 MH048BAEVF

MH BASE w/FLANGE (08F/08EF)

P3) 24" - CASTING HEIGHT - 7"

P2) 48" - ECC CONE w/ 24" HOLE - 36"

P1) 48" - MH BASE w/FLANGE (08F/08EF) - 31"

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

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

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) CASTING - HOE MC-420 F/C Sanitary

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

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

2) PSX - 12-08 NYLO

1) PSX - 8QRS-S NYLO

0 lb

3000 lb

4936 lb

0 lb

0 lb

1440 lb

340 lb

0 lb

0 lb

16 lb

6 lb

Structure Total: 9738 lb

Structure Notes:

1. HOE MC-420 F/C SANITARY PROVIDED BY ICAST

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

INVERT CHANNEL DRAWING

FULL HEIGHT INVERT

Rim: 812.95' Rim to Invert: 6' Slack: 0" Sump: 2" Step Position: 0

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	806.95'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	807.15'	180°	91.106"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.4"	0"
Invert 3	807.3'	240°	121.475"	4" PVC SDR35	4.25"	PSX 8QRS-S NYLO	8"	8.038"	4.2"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 2.4"

Invert: 3
Degree: 240°
Horz: 100.531"
Hole: 8"
Up(): 4.2"

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

Step: 0°
Horz: 0"

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 180°
Horz: 75.398"
Hole: 12"
Up(): 2.4"

Invert: 3
Degree: 240°
Horz: 100.531"
Hole: 8"
Up(): 4.2"

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

Step: 0°
Horz: 0"

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

(P1)

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 8"

Height (Int): 31"

Height (Ext): 39"

Weight (Net): 4936 lb

Volume (Net): 1.26cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures

Job Location: Bowling Green, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/11/2026 9:19:01 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: DBI-1

P1MH060BA60MH BASE T/n

P3) 24" x 30" - CASTING HEIGHT - 3.50"

P2) 60" - MH FLAT TOP w/24"x30" Hole F/G - 13"

P1) 60" - MH BASE T/n - 60"

1) CASTING - HOE KY-460-11 F/G (DBI 11)

2) Hole - 44

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

0 lb

2668 lb

7314 lb

421 lb

0 lb

0 lb

Structure Total: 10403 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE KY-460-11 F/G).

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..

- RISER/WALLS (As .18)

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

Rim: 582.92'

Rim to Invert: 6.42'

Slack: 0.54"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	576.5'	0°	0"	36" HDPE	41.7"	Hole 44	44"	49.393"	-2.85"	0"
Invert 2	576.5'	190°	119.381"	36" HDPE	41.7"	Hole 44	44"	49.393"	-2.85"	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: 2

Degree: 190°

Horz: 99.484"

Hole: 44"

Up(): -2.85"

Step: 90°

Horz: 47.124"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 44"

Up(): -2.85"

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

2

1

360°

270°

180°

90°

0°

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 8"

Height (Int): 60"

Height (Ext): 68"

Weight (Net): 7314 lb

Volume (Net): 1.87cu.yd

Job Name: 26-3200 906957 Austin Tri-Hawk Auto
Job Location: Austin, IN
Contractor: Contech Engineering Solutions

Plant: Beaver Dam
8/7/2026 1:03:34 PM

Tech: S. Felletter
PC: C. Goff



Structure ID: 10-CS-5

P4 MH060LD13-30ECC

MH FLAT TOP SPEC. (30" ECC HOLE) F/G

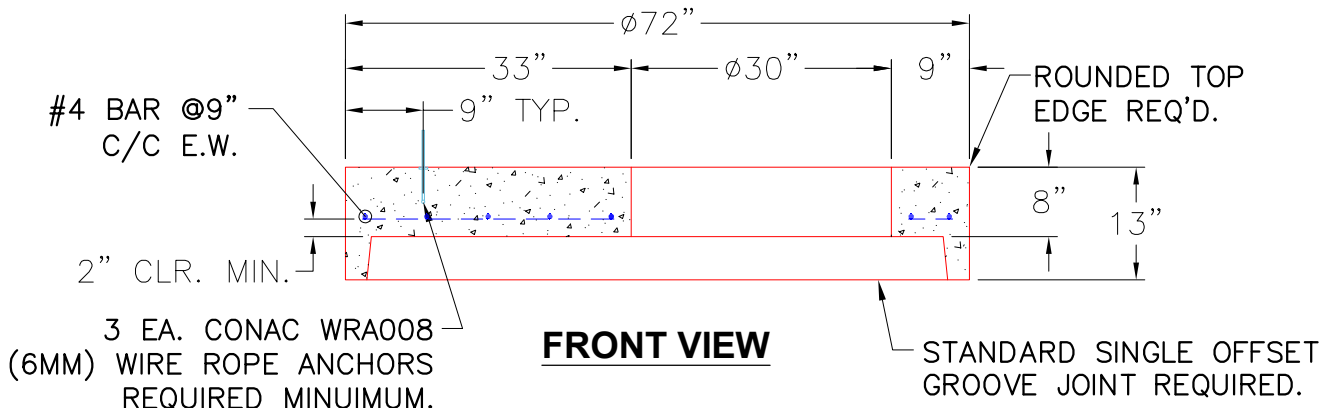
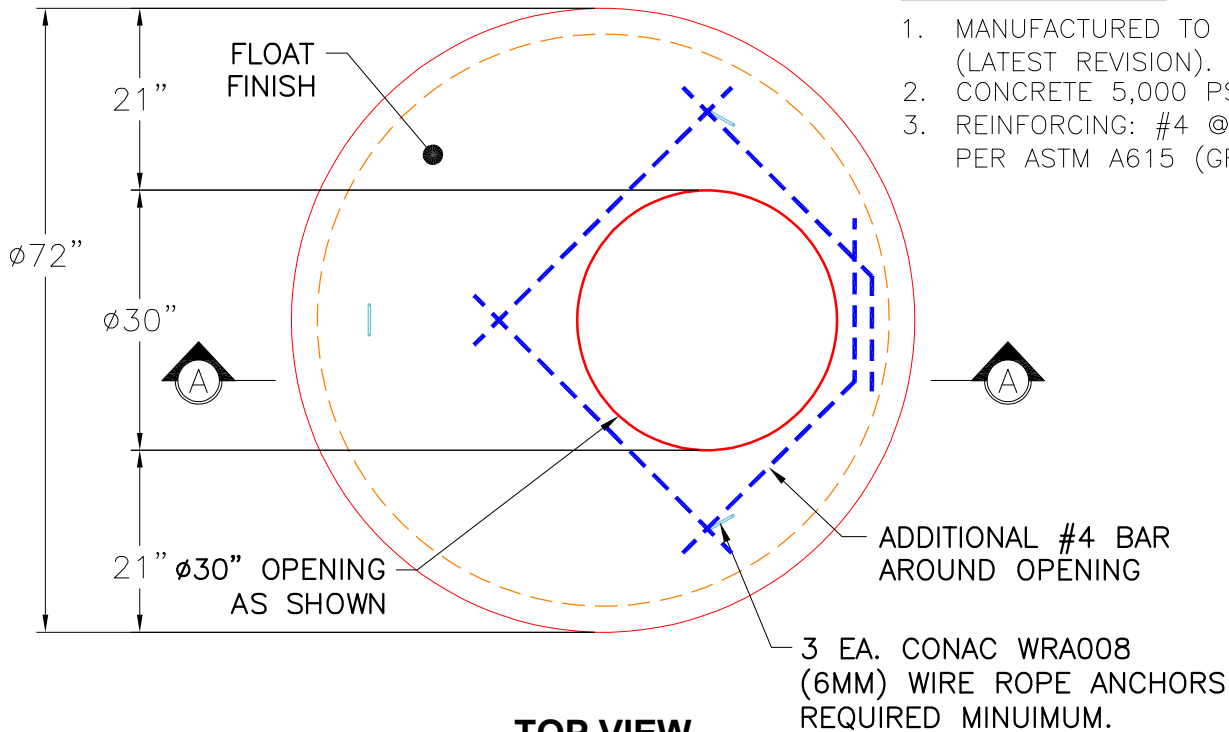
P5) 30" - CASTING HEIGHT - 4"
P4) 60" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 13"
P3) 60" - MH RISER Custom Ht T/G - 34"
P2) 60" - MH RISER SPECIAL T/G - 72"
P1) 60" - MH BASE T/n - 18"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
3) 60" - Conseal CS-102 1.00"
2) Hole - 20

Structure Total:

0 lb
2589 lb
3549 lb
7195 lb
4612 lb
0 lb
0 lb
0 lb
0 lb
17945 lb
Structure Notes:
4" CASTING BY OTHERS
LIFTING ANCHORS TO BE INSTALLED
ON THE OUTSIDE OF THE STRUCTURE
ICATS TO INSTALL THE INTERNALS
CONTECH'S LOGO AS WELL AS THE
INLET AND OUTLET MUST BE
STENCILED ONTO THE STRUCTURE

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 5,000 PSI AT 28 DAYS.
3. REINFORCING: #4 @ 9" O.C. E.W. PER ASTM A615 (GRADE 60)



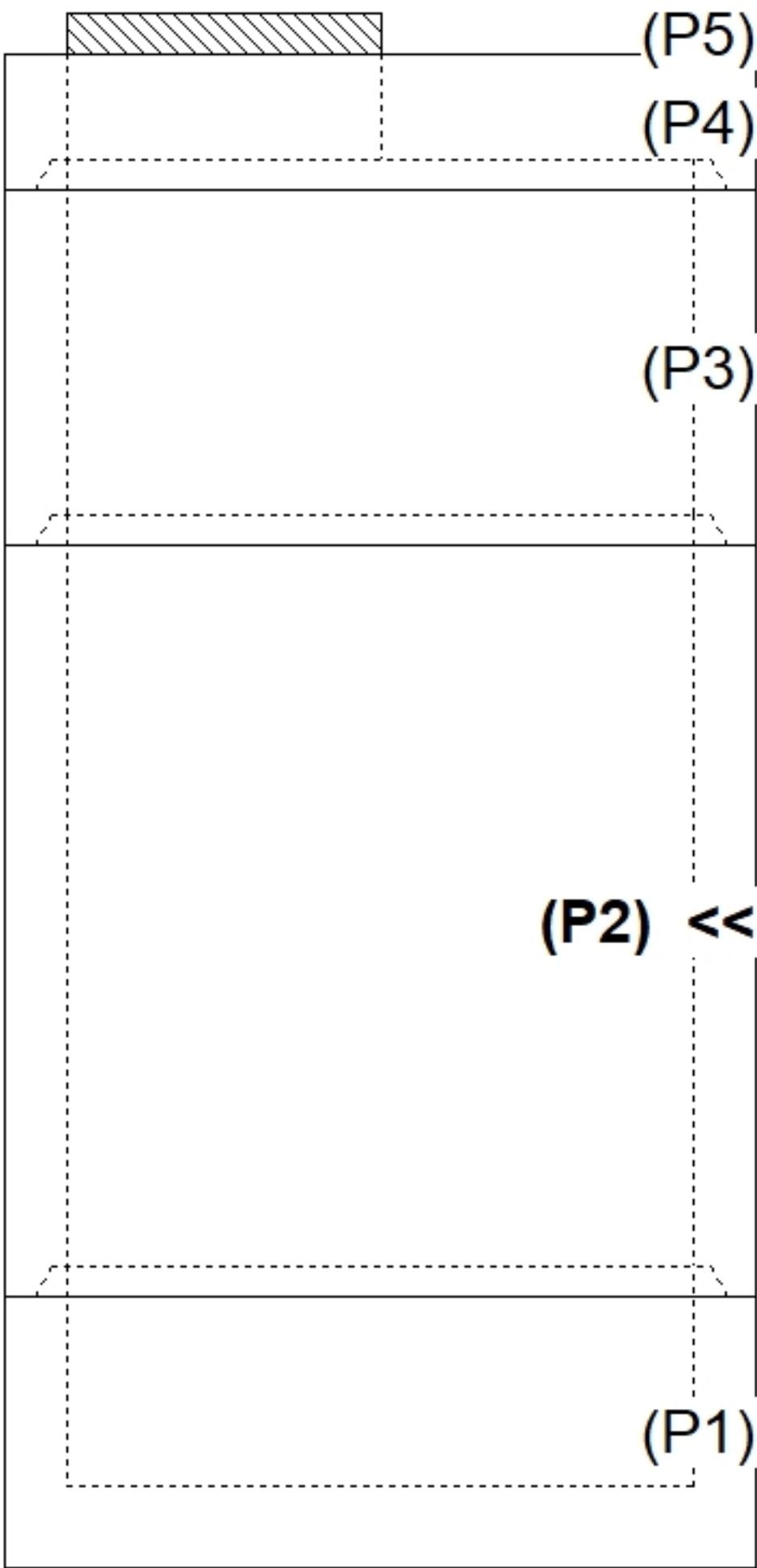
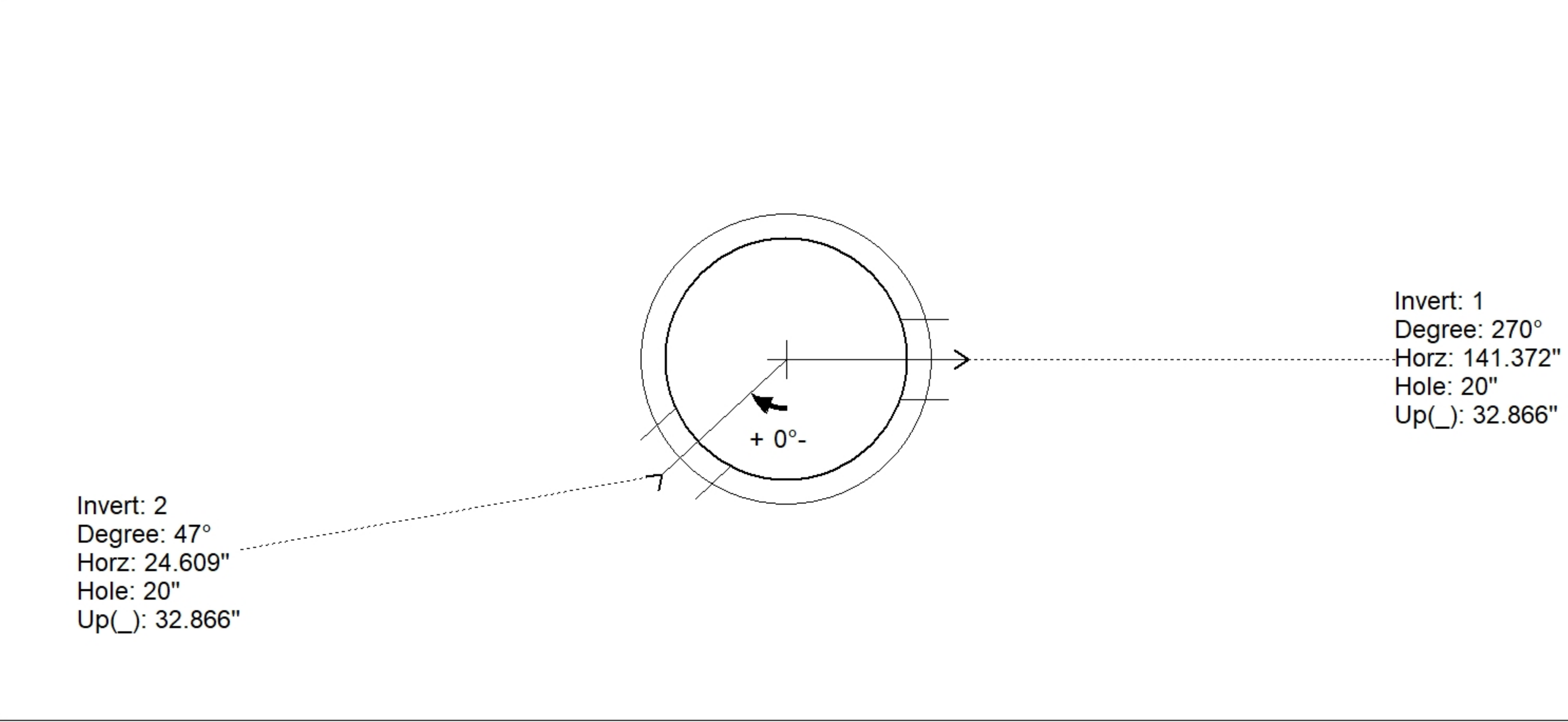
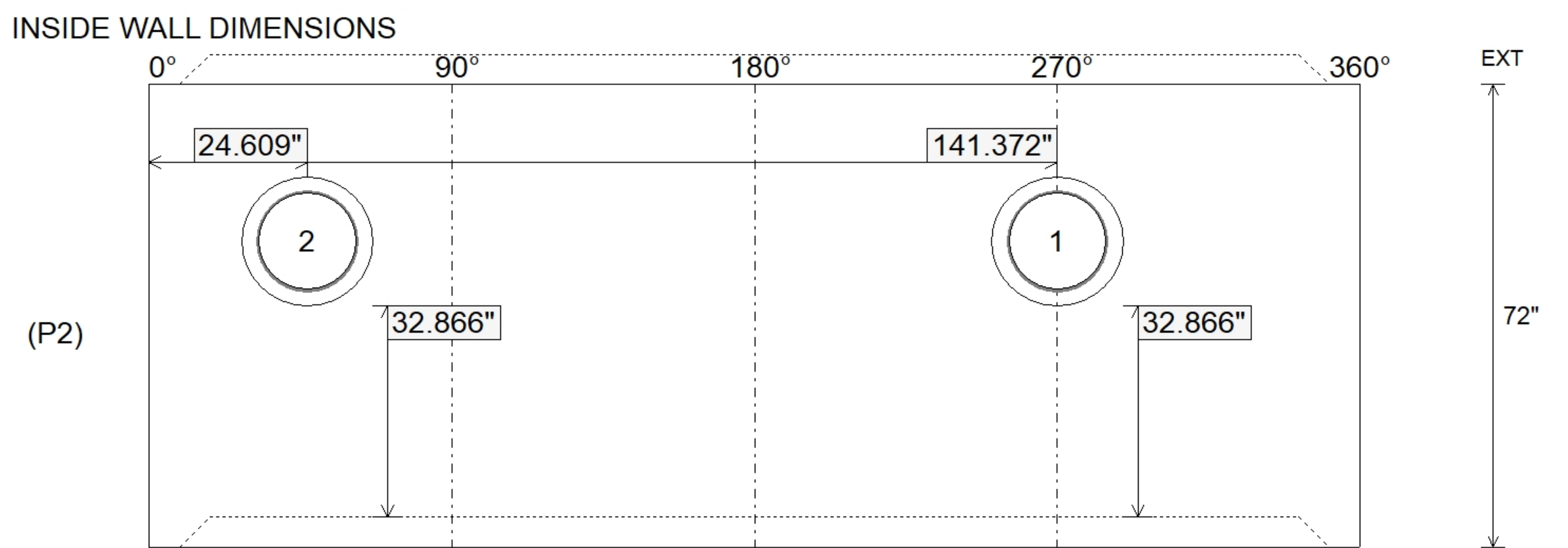
Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 6"

Height (Ext): 13"

Weight (Net): 2589 lb
Volume (Net): 0.66cu.yd

Job Name: 26-3200 906957 Austin Tri-Hawk Auto Job Location: Austin, IN Contractor: Contech Engineering Solutions					Plant: Beaver Dam 8/7/2026 1:03:42 PM		Tech: S. Felletter PC: C. Goff				
Structure ID: 10-CS-5											
P2		MH060RS72S		MH RISER SPECIAL T/G							
P5) 30" - CASTING HEIGHT - 4" P4) 60" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 13" P3) 60" - MH RISER Custom Ht T/G - 34" P2) 60" - MH RISER SPECIAL T/G - 72" P1) 60" - MH BASE T/n - 18" 1) ASSEMBLY REQUIRED 1) CVSTENCILING 3) 60" - Conseal CS-102 1.00" 2) Hole - 20						0 lb 2589 lb 3549 lb 7195 lb 4612 lb 0 lb 0 lb 0 lb 0 lb ----- 17945 lb		Structure Notes: 4" CASTING BY OTHERS . LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE . ICATS TO INSTALL THE INTERNALS . CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE			
Rim: 560.1' Rim to Invert: 7.43' Slack: 6.276" Sump: 58.116" Step Position: 90											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	552.67'	270°	169.646"	15" A-2000	15.7"	Hole 20	20"	20.39"	32.866"	0"	
Invert 2	552.67'	47°	29.531"	15" A-2000	15.7"	Hole 20	20"	20.39"	32.866"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions)											
											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):			Seam Up: Tongue Seam Dn: Groove		Wall Thickness: 6" Floor Height: 0"		Height (Int): 72" Height (Ext): 72"		Weight (Net): 7195 lb Volume (Net): 1.84cu.yd		

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures
Job Location: Bowling Green, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/11/2026 9:22:04 AM

Tech: S. Felletter

PC: M. Sullivan



Structure ID: DBI-7

P2 MH072LD15-24X30RECT

MH FLAT TOP w/24"x30" Hole F/G

- P3) 24" x 30" - CASTING HEIGHT - 3.50"
P2) 72" - MH FLAT TOP w/24"x30" Hole F/G - 15"
P1) 72" - MH BASE Custom Ht T/n - 61"
1) CASTING - HOE KY-460-11 F/G (DBI 11)
1) 72" - Conseal CS-102 1.00"
1) 24" x 30" - Conseal CS-102 1.00"
2) Hole - 50
5) MH Step ML-10-TDS-NCR - 10"

Structure Total:

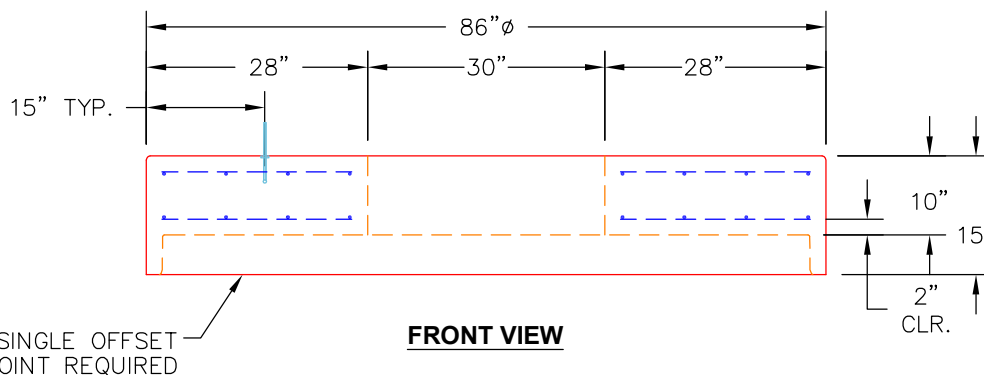
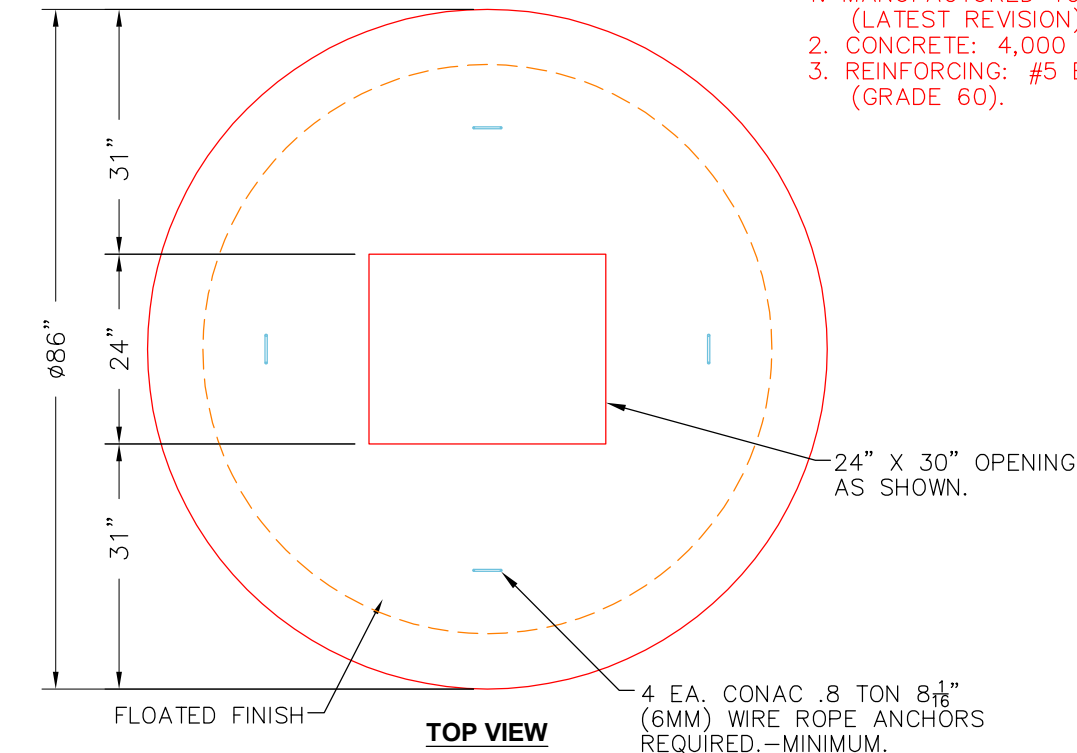
0 lb
4561 lb
10286 lb
421 lb
0 lb
0 lb
0 lb
0 lb
15268 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE KY-460-11 F/G).
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

NOTES:

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



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 7"

Height (Ext): 15"

Weight (Net): 4561 lb
Volume (Net): 1.16cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures

Job Location: Bowling Green, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/11/2026 9:19:05 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: DBI-7

P1MH072BAVF

MH BASE Custom Ht T/n

P3) 24" x 30" - CASTING HEIGHT - 3.50"

P2) 72" - MH FLAT TOP w/24"x30" Hole F/G - 15"

P1) 72" - MH BASE Custom Ht T/n - 61"

1) CASTING - HOE KY-460-11 F/G (DBI 11)

1) 72" - Conseal CS-102 1.00"

1) 24" x 30" - Conseal CS-102 1.00"

2) Hole - 50

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

0 lb

4561 lb

10286 lb

421 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 15268 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE KY-460-11 F/G).

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..

- RISER/WALLS (As .18)

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

Rim: 584.82'

Rim to Invert: 6.69'

Slack: 0.78"

Sump: 0"

Step Position: 245°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	578.13'	0°	0"	42" HDPE	47.7"	Hole 50	50"	55.271"	-3.15"	0"
Invert 2	578.13'	130°	97.564"	42" HDPE	47.7"	Hole 50	50"	55.271"	-3.15"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 130°
Horz: 81.681"
Hole: 50"
Up(): -3.15"

Step: 270°
Horz: 169.646"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 50"
Up(): -3.15"

(P1) <<

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2
Degree: 130°
Horz: 81.681"
Hole: 50"
Up(): -3.15"

Step: 270°
Horz: 169.646"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 50"
Up(): -3.15"

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

81.681"

0"

61"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

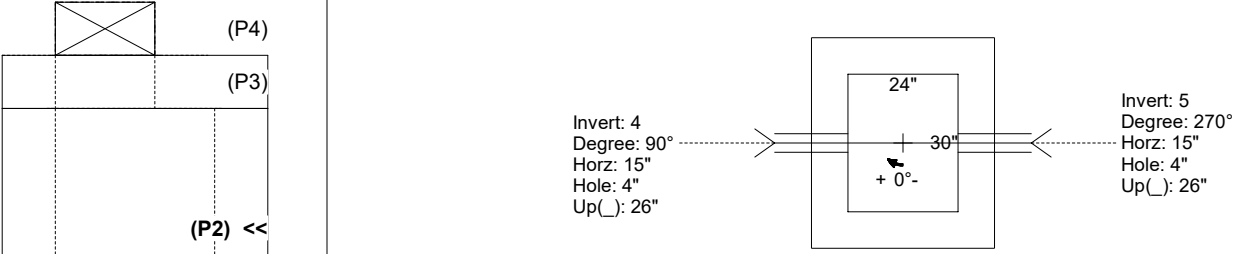
Wall Thickness: 7"
Floor Height: 8"

Height (Int): 61"
Height (Ext): 69"

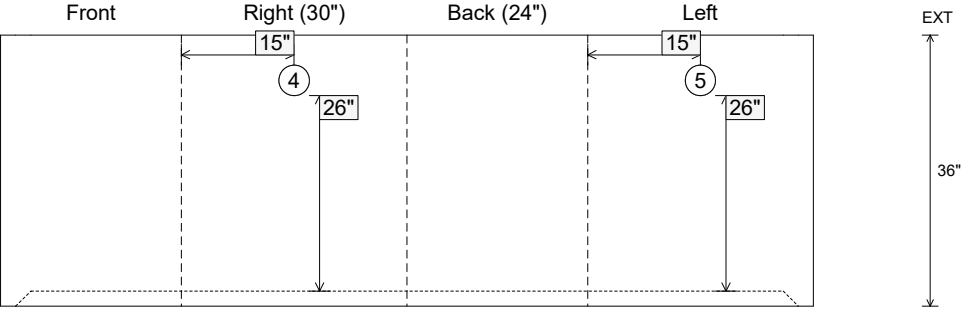
Weight (Net): 10286 lb
Volume (Net): 2.63cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/12/2026 3:11:14 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 64											
P2		BX2430-08R36		BOX RISER 8inW F/G							
P4) 15" x 27" - P.I.P. - BY OTHERS - 8" P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE F/F - 8" P2) 24" x 30" - BOX RISER 8inW F/G - 36" P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht T/n - 35" 2) 24" x 30" - Conseal CS-102 1.00" 1) 15" x 27" - Conseal CS-102 1.00" 2) Hole - 24 1) Hole - 18 2) Hole - 4					0 lb 963 lb 3366 lb 3898 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 8228 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TYPE 13G / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-230G FRAME & GRATE SUPPLIED BY OTHERS - POURED IN PLACE BY OTHERS				
Rim: 552.28' Rim to Invert: 7.25' Slack: 0" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
Invert 2											
Invert 3											
Invert 4	550.28'	90°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	26"	0"	
Invert 5	550.28'	270°	23"	4" WEEP HOLE	4"	Hole 4	4"	4"	26"	0"	
Invert 6											
Invert 7											
Invert 8											

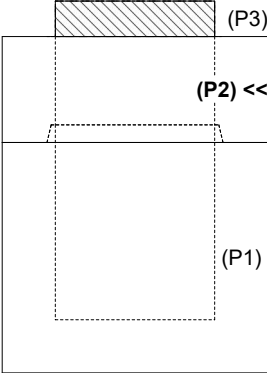
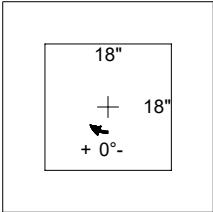
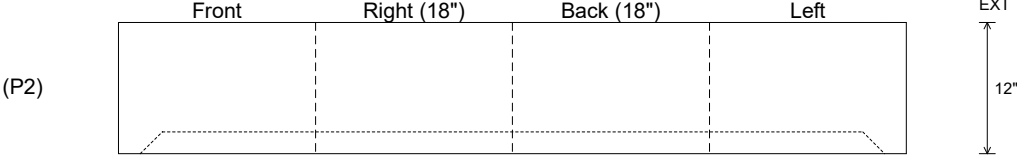
RIGHT-SIDE UP VIEW (int. dimensions)

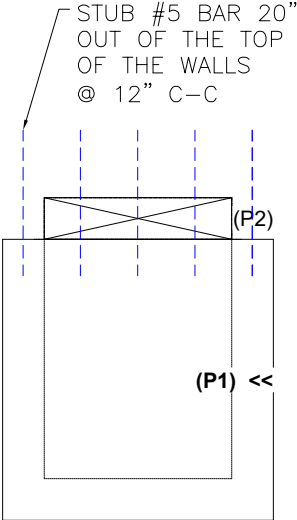
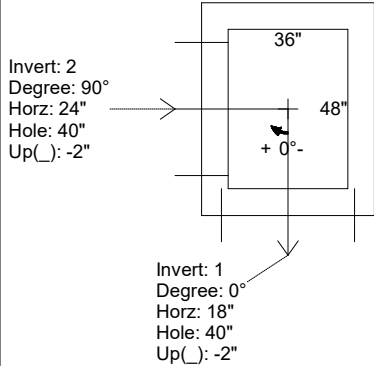
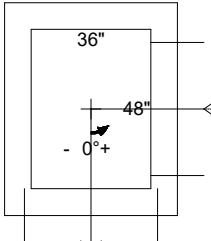
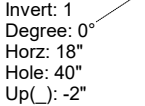
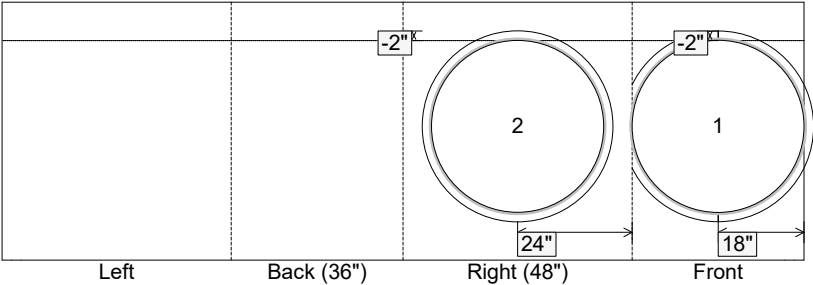


INSIDE WALL DIMENSIONS

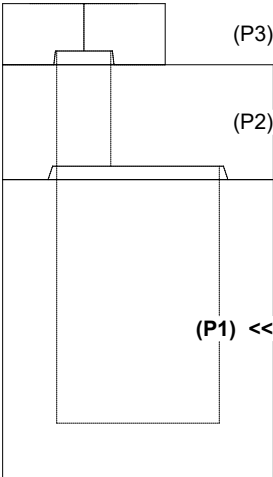


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 8" Floor Height: 0"	Height (Int): 36" Height (Ext): 36"	Weight (Net): 3366 lb Volume (Net): 0.86cu.yd
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Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction					Plant: 100 6/17/2026 5:41:13 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 131											
P2		BX1818-06R12		BOX RISER 6inW F/G							
P3) 18" x 18" - CASTING HEIGHT - 4" P2) 18" x 18" - BOX RISER 6inW F/G - 12" P1) 18" x 18" - BOX BASE 6inW, 6inF, Variable Ht T/n - 20" 2) 18" x 18" - Conseal CS-102 1.00" 2) Hole - 18					0 lb 580 lb 1228 lb 0 lb 0 lb ----- 1808 lb Structure Total:		Structure Notes: 1. PER MSD YARD DRAIN / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS				
Rim: 567.05' Rim to Invert: 3' Slack: 0" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1											
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: Flat Seam Dn: Groove		Wall Thickness: 6" Floor Height: 0"		Height (Int): 12" Height (Ext): 12"		Weight (Net): 580 lb Volume (Net): 0.15cu.yd	

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:19 AM		Tech: J. Coppage PC: T. Ryan																
Structure ID: 16+47 DBI 2-MOD																							
P1		BX3648-08BAVF		BOX BASE 8inW, 8inF, Variable Ht																			
P2) 36" x 48" - P.I.P. - BY OTHERS - 8" P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 46" 1) 36" x 48" - Conseal CS-102 1.00" 2) Hole - 40						0 lb 6934 lb 0 lb 0 lb ----- Structure Total: 6934 lb		Structure Notes: . -KYTC STATE PROJECT 251007 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.) -CASTING FRAMES & GRATES BY OTHERS. -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST). -KYTC CERTIFICATIONS REQUIRED. -#5 BAR EXTENDED OUT OF TOP OF BOX 20" AT 12" C/C.															
Rim: 556.86'		Rim to Invert: 4.5'		Slack: 0"		Sump: 0"		Step Position:															
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset													
Invert 1	552.36'	0°	26"	36" CMP	37"	Hole 40	40"	38"	-2"	0"													
Invert 2	552.36'	90°	32"	36" CMP	37"	Hole 40	40"	40"	-2"	0"													
Invert 3																							
Invert 4																							
Invert 5																							
Invert 6																							
Invert 7																							
Invert 8																							
RIGHT-SIDE UP VIEW (int. dimensions) STUB #5 BAR 20" OUT OF THE TOP OF THE WALLS @ 12" C-C  Invert: 2 Degree: 90° Horz: 24" Hole: 40" Up(_): -2"  UPSIDE-DOWN VIEW (int. dimensions) Invert: 2 Degree: 90° Horz: 24" Hole: 40" Up(_): -2"  Invert: 1 Degree: 0° Horz: 18" Hole: 40" Up(_): -2"  INSIDE WALL DIMENSIONS (P1)  Left Back (36") Right (48") Front 8" 46" EXT <tr><td colspan="3">Coating (Int): Coating (Ext):</td><td colspan="2">Seam Up: Flat Seam Dn: n/a</td><td colspan="2">Wall Thickness: 8" Floor Height: 8"</td><td colspan="2">Height (Int): 46" Height (Ext): 54"</td><td colspan="3">Weight (Net): 6934 lb Volume (Net): 1.77cu.yd</td></tr>												Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 46" Height (Ext): 54"		Weight (Net): 6934 lb Volume (Net): 1.77cu.yd		
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 46" Height (Ext): 54"		Weight (Net): 6934 lb Volume (Net): 1.77cu.yd														

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007) Job Location: I-264 Louisville, Ky. Contractor: Cleary Construction, Inc.					Plant: Beaver Dam, KY 8/4/2026 11:26:51 AM		Tech: J. Coppage PC: T. Ryan					
Structure ID: 4003+50 LT CBIB INLET 21												
P1		BX2424-08BA36		BOX BASE 8inW, 8inF								
P3) 8" x 120" - CB INLET KY B 10' TOP - 9" P2) 24" x 120" - CB INLET KY B 10' BOTTOM RIGHT - 17" P1) 24" x 24" - BOX BASE 8inW, 8inF - 36" 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 22"					1660 lb 2650 lb 3648 lb 0 lb 0 lb ----- Structure Total: 7958 lb		Structure Notes: -KYTC STATE PROJECT 251007 -REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.) -CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST). -KYTC CERTIFICATIONS REQUIRED.					
Rim: 587.63'					Rim to Invert: 5.51'		Slack: 4.12"		Sump: 0"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	582.12'	0°	20"	18" CMP	19"	Hole 22	22"	22"	-2"	0"		
Invert 2	582.12'	195°	21.536"	18" CMP	19"	Hole 22	22"	22.776"	-2"	-3.693"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												

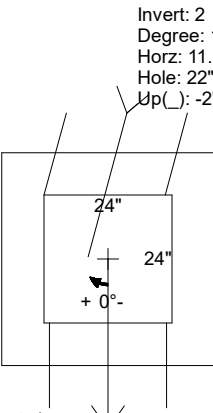


(P3)

(P2)

(P1) <<

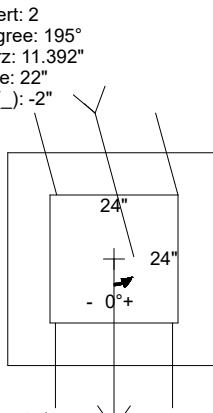
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 195°
Horz: 11.392"
Hole: 22"
Up(_): -2"

Invert: 1
Degree: 0°
Horz: 12"
Hole: 22"
Up(_): -2"

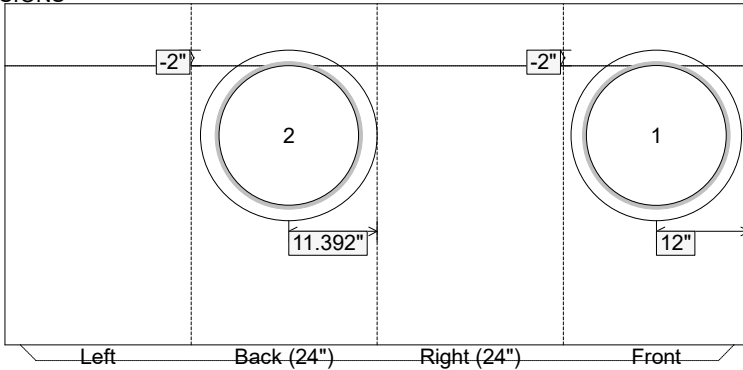
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 2
Degree: 195°
Horz: 11.392"
Hole: 22"
Up(_): -2"

Invert: 1
Degree: 0°
Horz: 12"
Hole: 22"
Up(_): -2"

INSIDE WALL DIMENSIONS



(P1)

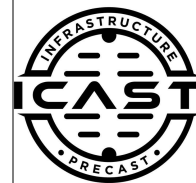
Left Back (24") Right (24") Front

11.392" 12"

36"

EXT

Coating (Int): Coating (Ext):		Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 36" Height (Ext): 44"	Weight (Net): 3648 lb Volume (Net): 0.93cu.yd
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Coating (Int):	Seam Up: Tongue	Wall Thickness: 8"	Height (Int): 35"	Weight (Net): 4445 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 8"	Height (Ext): 43"	Volume (Net): 1.14cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100		Tech: Jared - A			
					7/1/2026 12:29:20 PM		PC: J. Jarvis			
Structure ID: 465										
P1 BX2436-08BVF					BOX BASE 8inW, 8inF, Variable Ht					
P3) 24" x 120" - CB INLET KY A 10' TOP LEFT - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 53" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 24 2) Hole - 8					3400 lb 5270 lb 6205 lb 206 lb 0 lb 0 lb 0 lb ----- Structure Total: 15081 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST. 2. CONCRETE = 4,000 PI AT 28 DAYS. 3. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 890.73' Rim to Invert: 6.75' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	883.98'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	883.98'	180°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 3	887.56'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	40.96"	0"
Invert 4	887.56'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	40.96"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

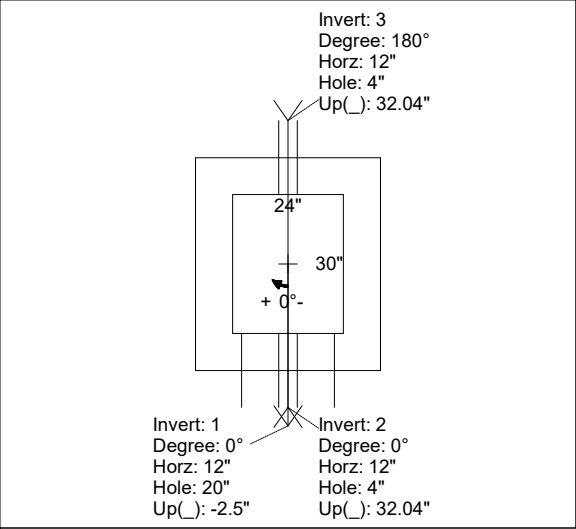
	RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimensions)	
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	INSIDE WALL DIMENSIONS
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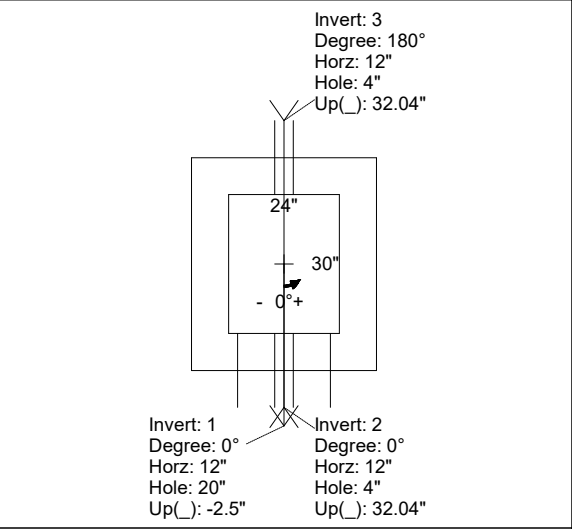
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 53" Height (Ext): 61"	Weight (Net): 6205 lb Volume (Net): 1.58cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 7/1/2026 12:30:40 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 475											
P1 BX24300808VF BOX BASE 8inW, 8inF, Variable Ht											
P3) 15" x 27" - P.I.P. - BY OTHERS - 8" P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8" P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 40" 1) CASTING - HOE KY-230-G F/G (GRADE) 1) 24" x 30" - Conseal CS-102 1.00" 1) 15" x 27" - Conseal CS-102 1.00" 1) Hole - 20 2) Hole - 4						0 lb 963 lb 4767 lb 237 lb 0 lb 0 lb 0 lb 0 lb 0 lb 5967 lb Structure Total:		Structure Notes: **KYTC STATE PROJECT** 1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST. 2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S. 3. CONCRETE = 4,000 PSI AT 28 DAYS. 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W.. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W. 5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB (SPACED AT 12" CC) AROUND THE 15" X 27" HOLE			
Rim: 894.04' Rim to Invert: 4.67' Slack: 0.04" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	889.37'	0°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"	
Invert 2	892.04'	0°	20"	4" WEEP HOLE	4"	Hole 4	4"	4"	32.04"	0"	
Invert 3	892.04'	180°	20"	4" WEEP HOLE	4"	Hole 4	4"	4"	32.04"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

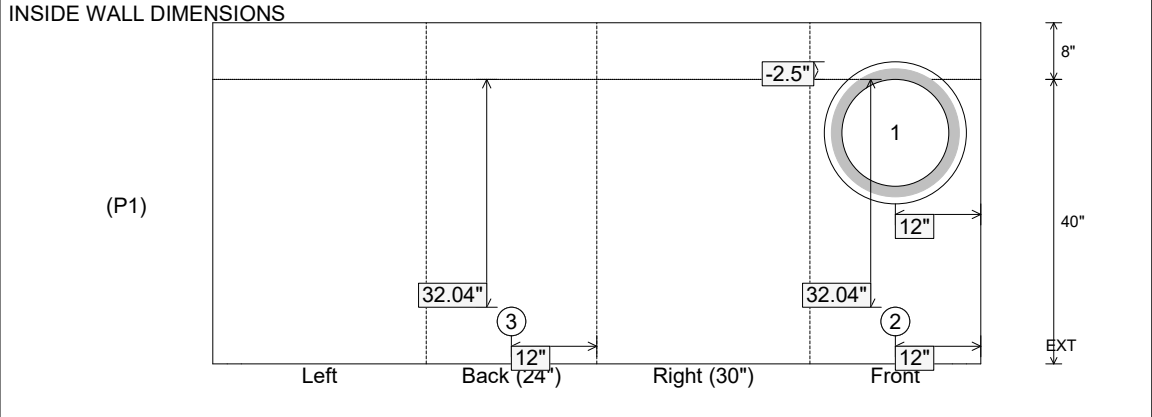
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

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

Weight (Net): 4767 lb
Volume (Net): 1.22cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:30:38 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 472

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

- P4) 15" x 27" - P.I.P. - BY OTHERS - 8"
P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P2) 24" x 36" - CB FT REDUCER 24"x30" HOLE - 8"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 49"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 36" - Conseal CS-102 1.00"
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 30
1) Hole - 20
2) Hole - 4

0 lb
963 lb
913 lb
5172 lb
237 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 7285 lb

Structure Notes:

KYTC STATE PROJECT

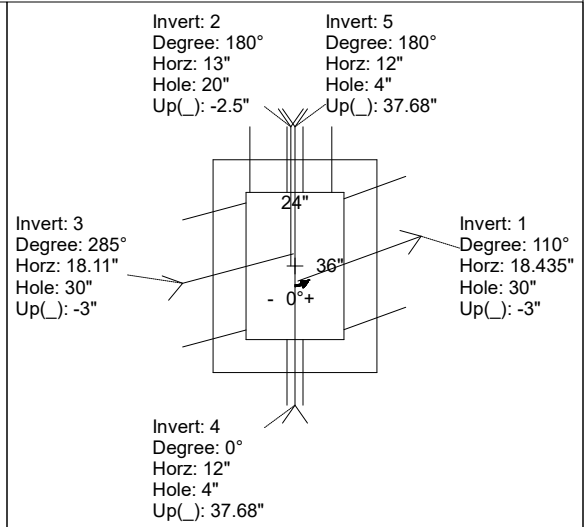
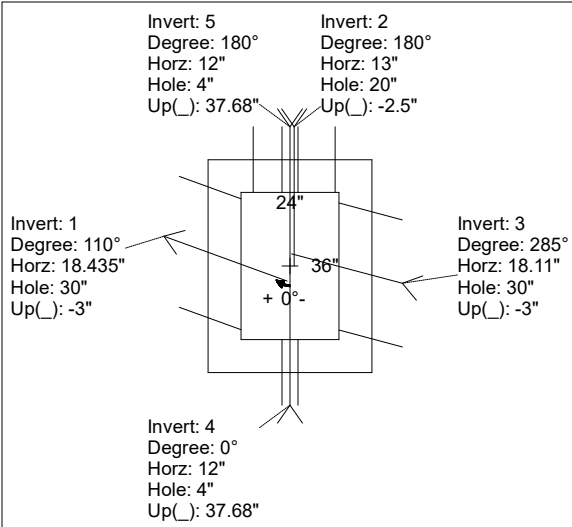
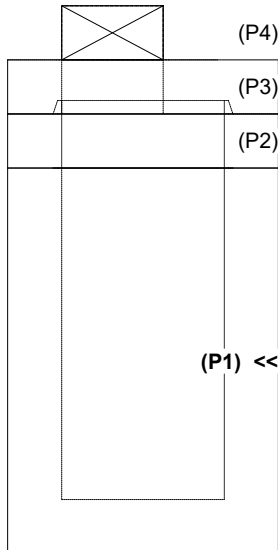
- HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
- KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
 - STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB (SPACED AT 12" CC) AROUND THE 15" X 27" HOLE

Rim: 893.69' Rim to Invert: 6.14' Slack: 0.68" Sump: 0" Step Position:

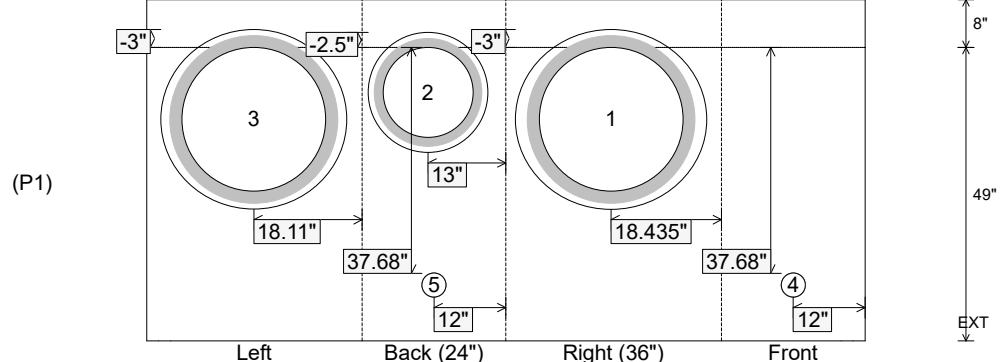
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	887.55'	110°	29.347"	24" ADS N-12	28"	Hole 30	30"	31.925"	-3"	-3.696"
Invert 2	887.55'	180°	21"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	1"
Invert 3	887.55'	285°	28.253"	24" ADS N-12	28"	Hole 30	30"	31.058"	-3"	-3"
Invert 4	890.69'	0°	20"	4" WEEP HOLE	4"	Hole 4	4"	4"	37.68"	0"
Invert 5	890.69'	180°	20"	4" WEEP HOLE	4"	Hole 4	4"	4"	37.68"	0"
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): 49"
Height (Ext): 57"

Weight (Net): 5172 lb
Volume (Net): 1.32cu.yd

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

Job Location: Independence, KY

Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:30:12 PM

Tech: Jared - A

PC: J. Jarvis

Structure ID: 616

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht

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

P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT - 18"

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

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

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

2) Hole - 20

2) Hole - 8

3400 lb

5270 lb

4274 lb

206 lb

0 lb

0 lb

0 lb

Structure Total: 13150 lb

Structure Notes:

** KYTC STATE PROJECT **

1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST.

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

3. REINFORCING PER ASTM A615 (GRADE 60).

- TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W.

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

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

4. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST

FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP

Rim: 924.27'

Rim to Invert: 5.09'

Slack: 0.08"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	919.18'	0°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 2	919.18'	270°	26"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 3	921.1'	0°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 4	921.1'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21.04"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 33"

Height (Ext): 41"

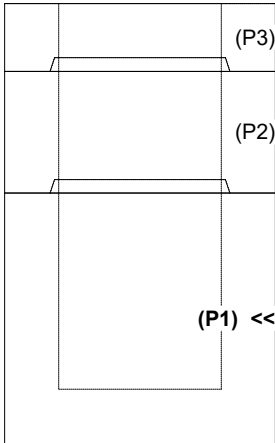
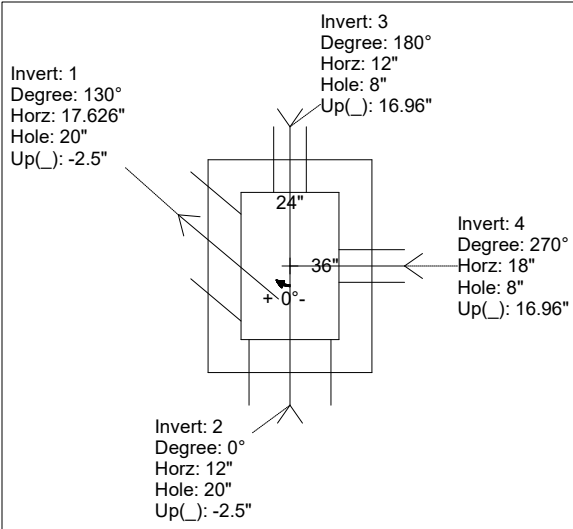
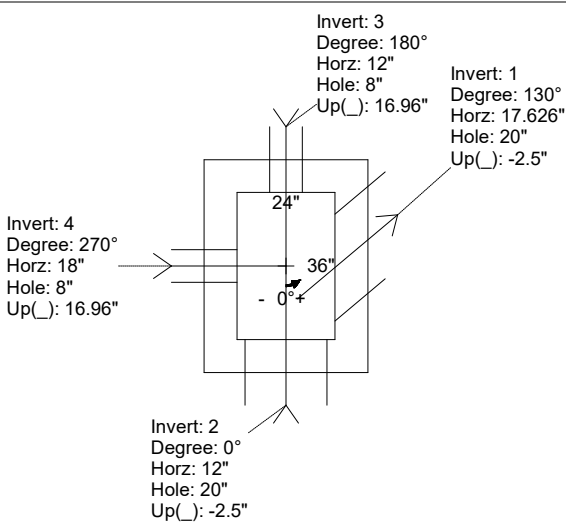
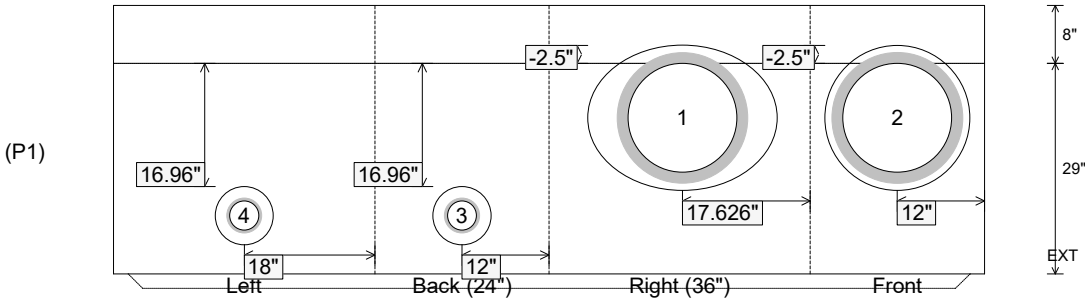
Weight (Net): 4274 lb

Volume (Net): 1.09cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt	Plant: 100	Tech:	Jared - A	
	7/1/2026 12:30:08 PM	PC:	J. Jarvis	
Structure ID: 611				
P1	BX2436-08BVF	BOX BASE 8inW, 8inF, Variable Ht		

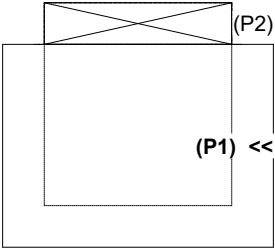
P3) 24" x 120" - CB INLET KY A 10' TOP RIGHT - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM RIGHT - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 29" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) 24" x 36" - Conseal CS-102 1.00" 2) Hole - 20 2) Hole - 8					3398 lb 5270 lb 3802 lb 206 lb 0 lb 0 lb 0 lb ----- Structure Total: 12675 lb	<u>Structure Notes:</u> . ** KYTC STATE PROJECT ** 1. HOE KY 206 F/C (KY TY1) PROVIDED BY ICAST. 2. CONCRETE = 4,000 PI AT 28 DAYS. 3. REINFORCING PER ASTM A615 (GRADE 60). - TOP PHASE (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W. 4. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP
Rim: 929.73'	Rim to Invert: 4.75'	Slack: 0"	Sump: 0"	Step Position:		

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	924.98'	130°	32.339"	15" ADS N-12	18"	Hole 20	20"	26.108"	-2.5"	-8"
Invert 2	924.98'	0°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 3	926.56'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	16.96"	0"
Invert 4	926.56'	270°	26"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	16.96"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

	RIGHT-SIDE UP VIEW (int. dimensions)		UPSIDE-DOWN VIEW (int. dimensions)	
				
	INSIDE WALL DIMENSIONS 			
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 29" Height (Ext): 37"	Weight (Net): 3802 lb Volume (Net): 0.97cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 7/1/2026 12:29:42 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 471											
P1 BX3636-08BAVF BOX BASE 8inW, 8inF, Variable Ht											
P2) 36" x 36" - P.I.P. - BY OTHERS - 8" P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 31" 1) CASTING - HOE KY-316 SET (DBI 1) 1) 36" x 36" - Conseal CS-102 1.00" 1) Hole - 32 1) Hole - 24 2) Hole - 4					0 lb 4583 lb 317 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4900 lb		Structure Notes: **KYTC STATE PROJECT** 1. HOE KY-316 SET (DB 1) PROVIDED BY ICAST. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W. 4. STUB #5 BARS 20" OUT TOP OF WALLS (SPA@12"C/C)				
Rim: 891.29' Rim to Invert: 3.27' Slack: 0.24" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	888.02'	200°	29.078"	24" ADS N-12	28"	Hole 32	32"	34.054"	-4"	-6"	
Invert 2	888.02'	90°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 3	889.89'	0°	26"	4" WEEP HOLE	4"	Hole 4	4"	4"	22.44"	0"	
Invert 4	889.89'	270°	26"	4" WEEP HOLE	4"	Hole 4	4"	4"	22.44"	0"	
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



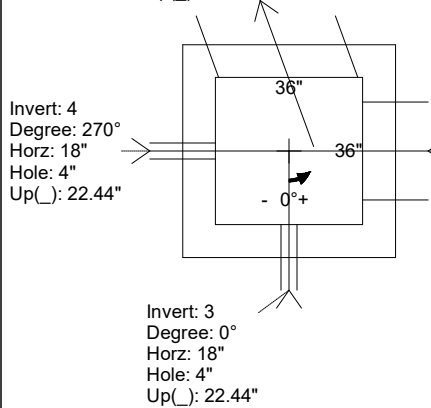
Invert: 1
Degree: 200°
Horz: 18.166"
Hole: 32"
Up(): -4"

Invert: 2
Degree: 90°
Horz: 18"
Hole: 24"
Up(): -3"

Invert: 3
Degree: 0°
Horz: 18"
Hole: 4"
Up(): 22.44"

Invert: 4
Degree: 270°
Horz: 18"
Hole: 4"
Up(): 22.44"

UPSIDE-DOWN VIEW (int. dimensions)



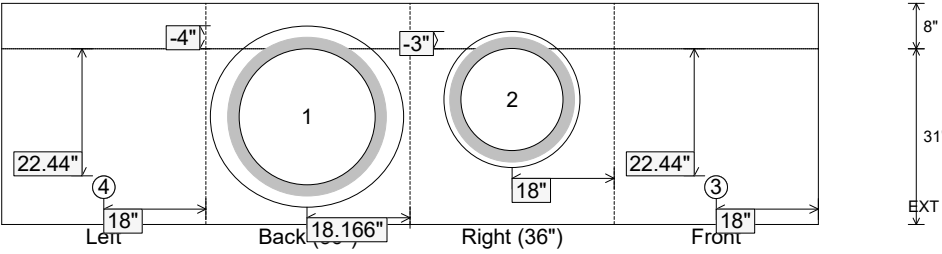
Invert: 1
Degree: 200°
Horz: 18.166"
Hole: 32"
Up(): -4"

Invert: 2
Degree: 90°
Horz: 18"
Hole: 24"
Up(): -3"

Invert: 3
Degree: 0°
Horz: 18"
Hole: 4"
Up(): 22.44"

Invert: 4
Degree: 270°
Horz: 18"
Hole: 4"
Up(): 22.44"

INSIDE WALL DIMENSIONS



(P1)

Left: 18" Back: 18.166" Right (36") Front: 18"

Top: -4" -3"

Bottom: 22.44" 18" 22.44" 18"

Right: 8" 31" EXT

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 31" Height (Ext): 39"	Weight (Net): 4583 lb Volume (Net): 1.17cu.yd
----------------------------------	-------------------------------	--	--	--



Weight (Net): 11975 lb
Volume (Net): 3.06cu.yd

Job Name: 26-1635 - KYTC Oldham Co (261505)

Job Location: Peewee Valley, KY

Contractor: Cleary Construction, Inc.

Plant: 100

7/23/2026 2:59:03 PM

Tech: Jared - F

PC: T. Ryan

Structure ID: 37887-149 MHC

P1 BX4848-08W12FEBAVF

BX BASE w/FLANGE 08W/12F/08EF T/n

P8) 24" - CASTING HEIGHT - 4"

P7) 24" - GRADE RING F/F - 4"

P6) 48" - ECC CONE w/ 24" HOLE F/G - 42"

P5) 48" - MH RISER T/G - 72"

P4) 48" - MH RISER T/G - 72"

P3) 48" x 48" - CB FT REDUCER 48" HOLE T/F - 12"

P2) 48" x 48" - BOX RISER 8inW F/G - 36"

P1) 48" x 48" - BX BASE w/FLANGE 08W/12F/08EF T/n - 48"

2) 48" x 48" - Conseal CS-102 1.00"

3) 48" - Conseal CS-102 1.00"

2) 24" - Conseal CS-102 1.00"

2) Hole - 40

1) Hole - 18

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

0 lb

270 lb

3200 lb

5030 lb

5030 lb

2302 lb

5216 lb

11975 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

33023 lb

Structure Notes: ** KYTC STATE PROJECT**

1. PER KYTC MANHOLE TYPE C / ASTM C913 SPEC'S.

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

3. CASTING SUPPLIED BY OTHERS (HOE KY-206 F/C (KY TY1)).

4. SECONDARY POUR REQ'D FOR EXTENDED FLANGE(8"WD x 12" THICK).

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As.12)

- RISER/WALLS (As.12)

- TRANS. SLAB #5's AT 6" C.C.E.W (DBL MAT).

- WALLS #5's AT 6" C.C.E.W.

- FLOOR #5's AT 12" C.C.E.W..

Rim: 764.77'

Rim to Invert: 24.32'

Slack: 1.84"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	740.45'	0°	32"	36" CMP	37"	Hole 40	40"	40"	-2"	0"
Invert 2	740.53'	180°	32"	36" CMP	37"	Hole 40	40"	40"	-1"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P8)

(P7)

(P6)

(P5)

(P4)

(P3)

(P2)

(P1) <<

80"

8"

8"

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2

Degree: 180°

Horz: 24"

Hole: 40"

Up(_): -1"

STEPS AT 12" C/C

48"

48"

Step: 90°

Shift: 0"

+ 0°-

Invert: 1

Degree: 0°

Horz: 24"

Hole: 40"

Up(_): -2"

UPSIDE-DOWN VIEW (int. dimensions)

1ST POUR (FLOOR) = 6,444 LBS

2ND POUR (WALLS) = 5,531 LBS

INSIDE WALL DIMENSIONS

Front

Right (48")

Back (48")

Left

24"

24"

2"

1"

1

2

EXT

48"

12"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

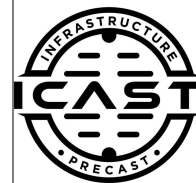
Floor Height: 12"

Height (Int): 48"

Height (Ext): 60"

Weight (Net): 11975 lb

Volume (Net): 3.06cu.yd



Weight (Net): 8535 lb
Volume (Net): 2.18cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam

8/7/2026 1:07:56 PM

Tech: J. Coppage

PC: A. Chambers



Structure ID: 3in GR

P13 GR28x34x6x3

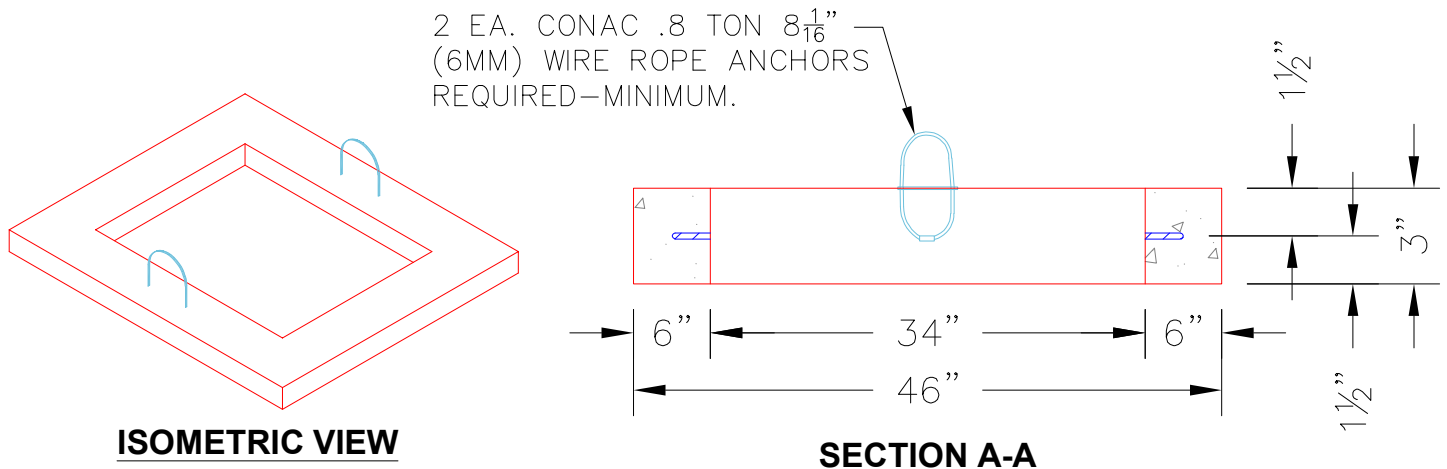
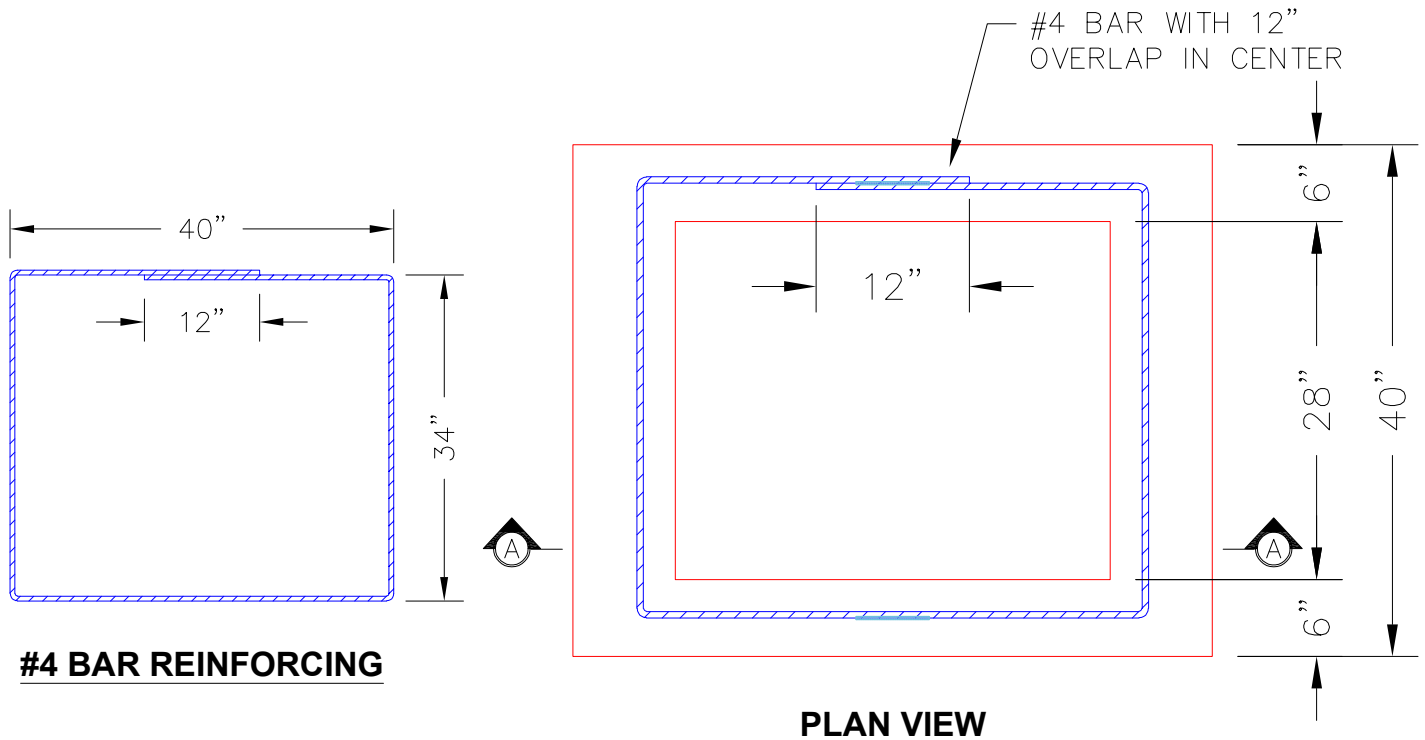
GRADE RING

P13) 28" x 34" - GRADE RING - 3"
P12) 28" x 34" - GRADE RING - 3"
P11) 28" x 34" - GRADE RING - 3"
P10) 28" x 34" - GRADE RING - 3"
P9) 28" x 34" - GRADE RING - 3"
P8) 28" x 34" - GRADE RING - 3"
P7) 28" x 34" - GRADE RING - 3"
P6) 28" x 34" - GRADE RING - 3"
P5) 28" x 34" - GRADE RING - 3"
P4) 28" x 34" - GRADE RING - 3"
P3) 28" x 34" - GRADE RING - 3"
P2) 28" x 34" - GRADE RING - 3"
P1) 28" x 34" - GRADE RING - 3"
13) 28" x 34" - Conseal CS-102 1.00"

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
0 lb

Structure Total: 2906 lb



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

Weight (Net): 224 lb
Volume (Net): 0.06cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam

8/7/2026 1:07:54 PM

Tech: J. Coppage

PC: A. Chambers



Structure ID: 3in GR

P10 GR28x34x6x3

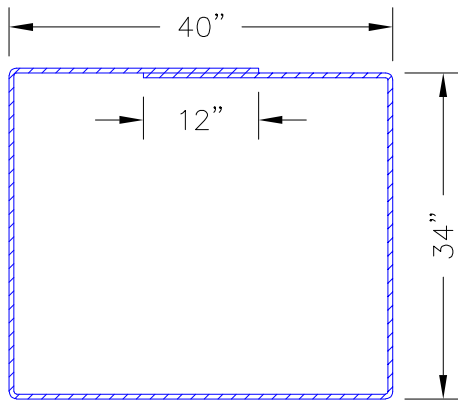
GRADE RING

P13) 28" x 34" - GRADE RING - 3"
P12) 28" x 34" - GRADE RING - 3"
P11) 28" x 34" - GRADE RING - 3"
P10) 28" x 34" - GRADE RING - 3"
P9) 28" x 34" - GRADE RING - 3"
P8) 28" x 34" - GRADE RING - 3"
P7) 28" x 34" - GRADE RING - 3"
P6) 28" x 34" - GRADE RING - 3"
P5) 28" x 34" - GRADE RING - 3"
P4) 28" x 34" - GRADE RING - 3"
P3) 28" x 34" - GRADE RING - 3"
P2) 28" x 34" - GRADE RING - 3"
P1) 28" x 34" - GRADE RING - 3"
13) 28" x 34" - Conseal CS-102 1.00"

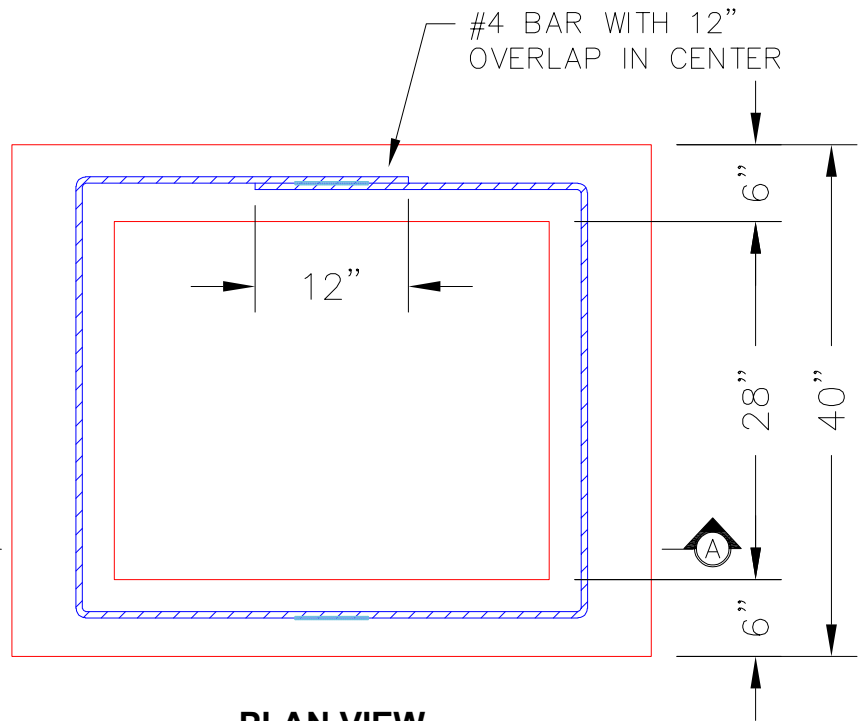
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
0 lb

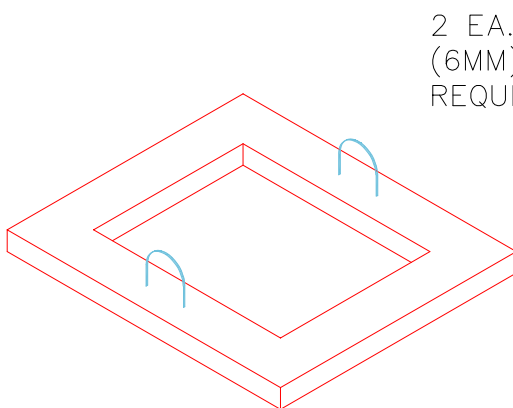
Structure Total: 2906 lb



#4 BAR REINFORCING

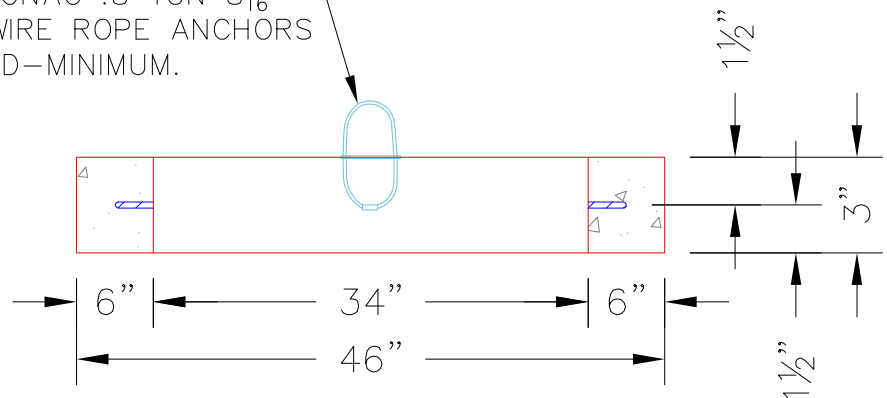


PLAN VIEW



ISOMETRIC VIEW

2 EA. CONAC .8 TON $8\frac{1}{16}$ "
(6MM) WIRE ROPE ANCHORS
REQUIRED—MINIMUM.



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

Weight (Net): 224 lb
Volume (Net): 0.06cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam

8/7/2026 1:07:54 PM

Tech: J. Coppage

PC: A. Chambers



Structure ID: 3in GR

P11 GR28x34x6x3

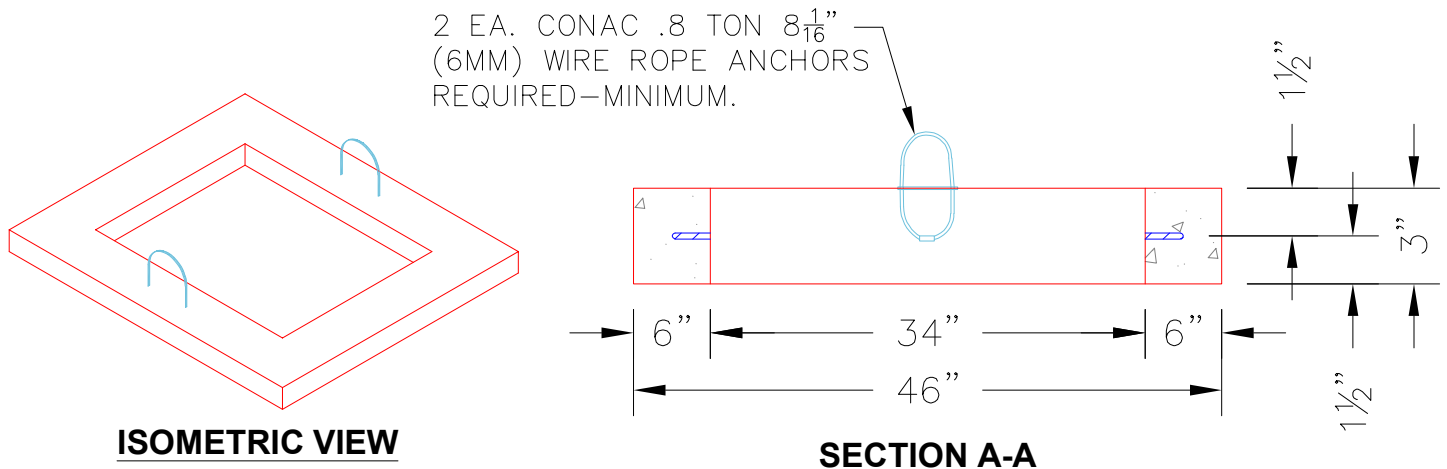
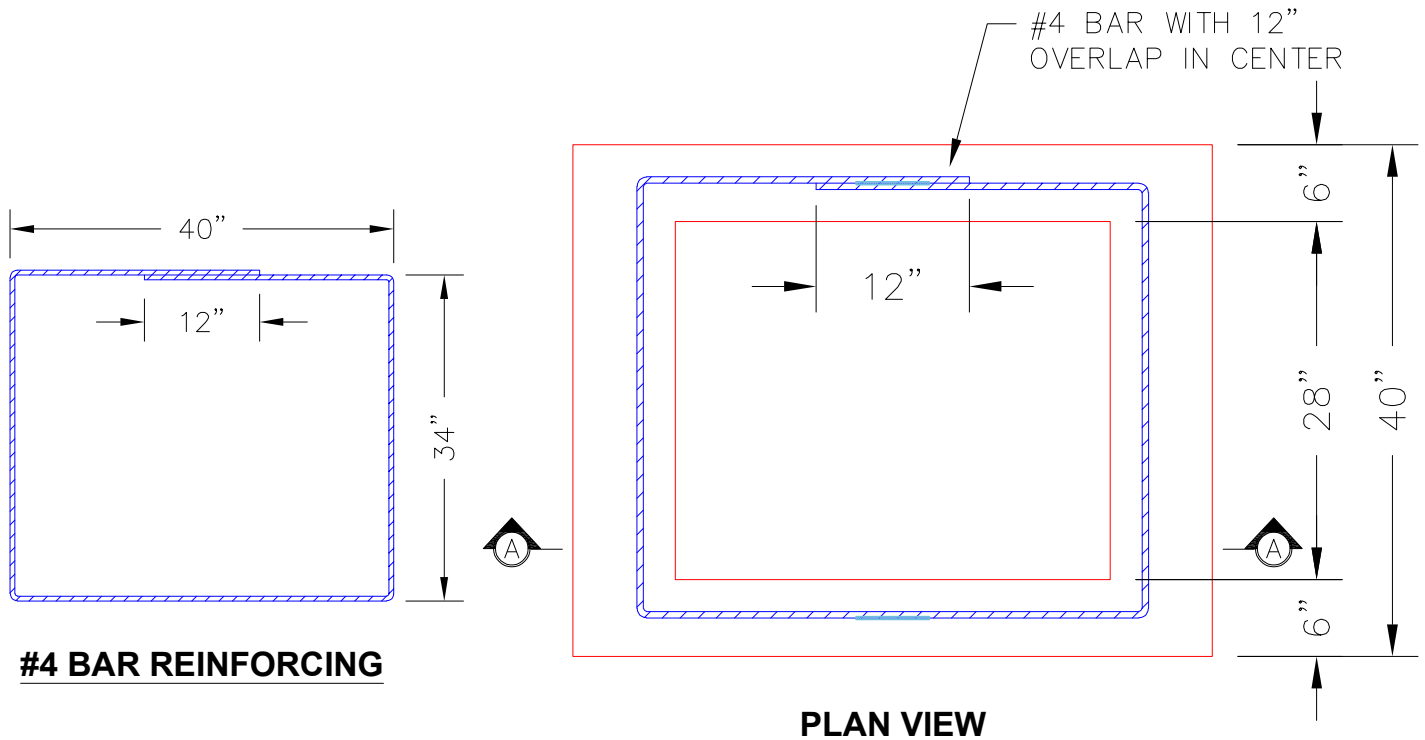
GRADE RING

P13) 28" x 34" - GRADE RING - 3"
P12) 28" x 34" - GRADE RING - 3"
P11) 28" x 34" - GRADE RING - 3"
P10) 28" x 34" - GRADE RING - 3"
P9) 28" x 34" - GRADE RING - 3"
P8) 28" x 34" - GRADE RING - 3"
P7) 28" x 34" - GRADE RING - 3"
P6) 28" x 34" - GRADE RING - 3"
P5) 28" x 34" - GRADE RING - 3"
P4) 28" x 34" - GRADE RING - 3"
P3) 28" x 34" - GRADE RING - 3"
P2) 28" x 34" - GRADE RING - 3"
P1) 28" x 34" - GRADE RING - 3"
13) 28" x 34" - Conseal CS-102 1.00"

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
0 lb

Structure Total: 2906 lb



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

Weight (Net): 224 lb
Volume (Net): 0.06cu.yd

Job Name: 25-1601C Spring Creek Parkway
Job Location: Clarksville, TN
Contractor: Byard Construction, LLC

Plant: Beaver Dam
8/7/2026 1:07:55 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: 3in GR

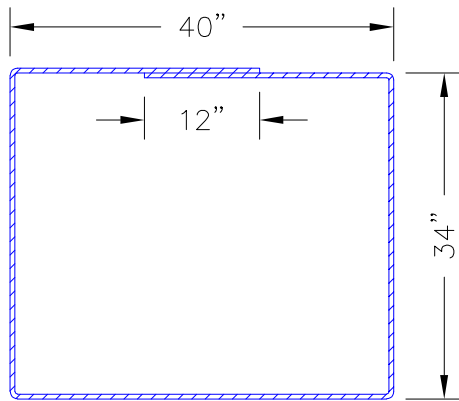
P12 GR28x34x6x3

GRADE RING

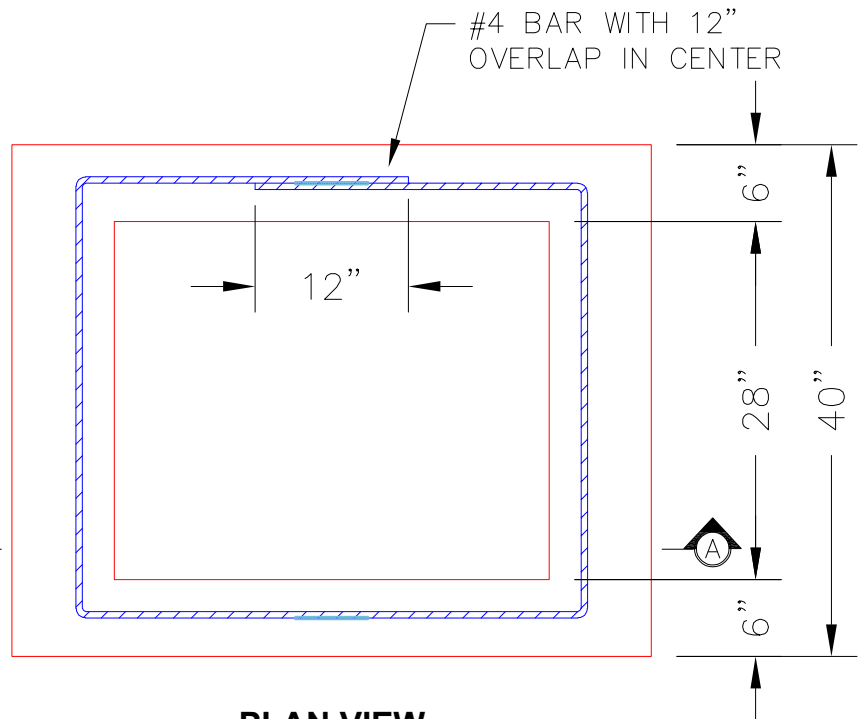
P13) 28" x 34" - GRADE RING - 3"
P12) 28" x 34" - GRADE RING - 3"
P11) 28" x 34" - GRADE RING - 3"
P10) 28" x 34" - GRADE RING - 3"
P9) 28" x 34" - GRADE RING - 3"
P8) 28" x 34" - GRADE RING - 3"
P7) 28" x 34" - GRADE RING - 3"
P6) 28" x 34" - GRADE RING - 3"
P5) 28" x 34" - GRADE RING - 3"
P4) 28" x 34" - GRADE RING - 3"
P3) 28" x 34" - GRADE RING - 3"
P2) 28" x 34" - GRADE RING - 3"
P1) 28" x 34" - GRADE RING - 3"
13) 28" x 34" - Conseal CS-102 1.00"

Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
- AS SHOWN BELOW

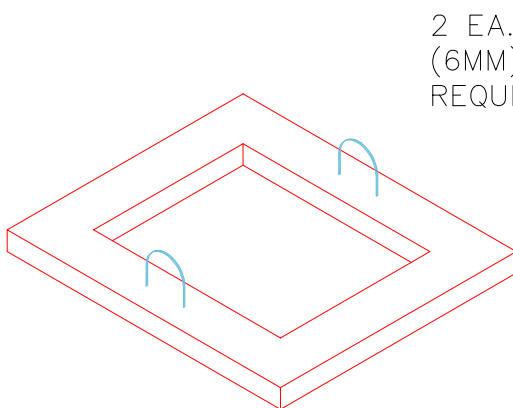
224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
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224 lb
224 lb
224 lb
224 lb
224 lb
224 lb
0 lb
Structure Total: 2906 lb



#4 BAR REINFORCING

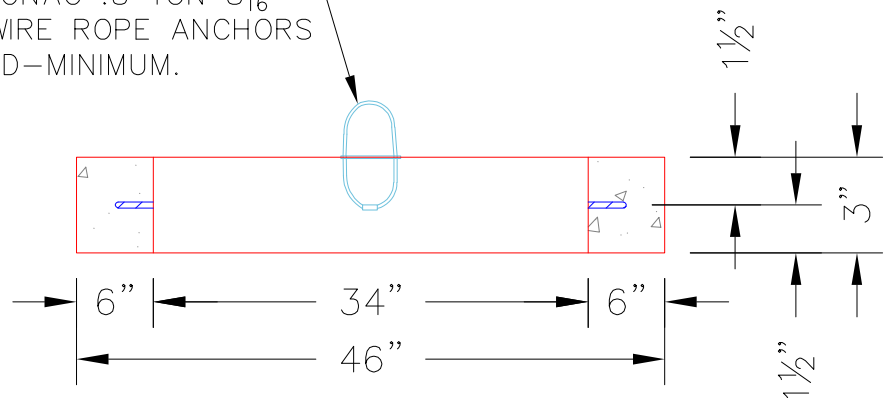


PLAN VIEW



ISOMETRIC VIEW

2 EA. CONAC .8 TON $8\frac{1}{16}$ "
(6MM) WIRE ROPE ANCHORS
REQUIRED—MINIMUM.



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 3"

Weight (Net): 224 lb
Volume (Net): 0.06cu.yd

Job Name: 26-1000P2 Clark Distributing New HQ - Site Structures
Job Location: Bowling Green, KY
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/11/2026 3:45:05 PM

Tech: S. Felletter

PC: M. Sullivan

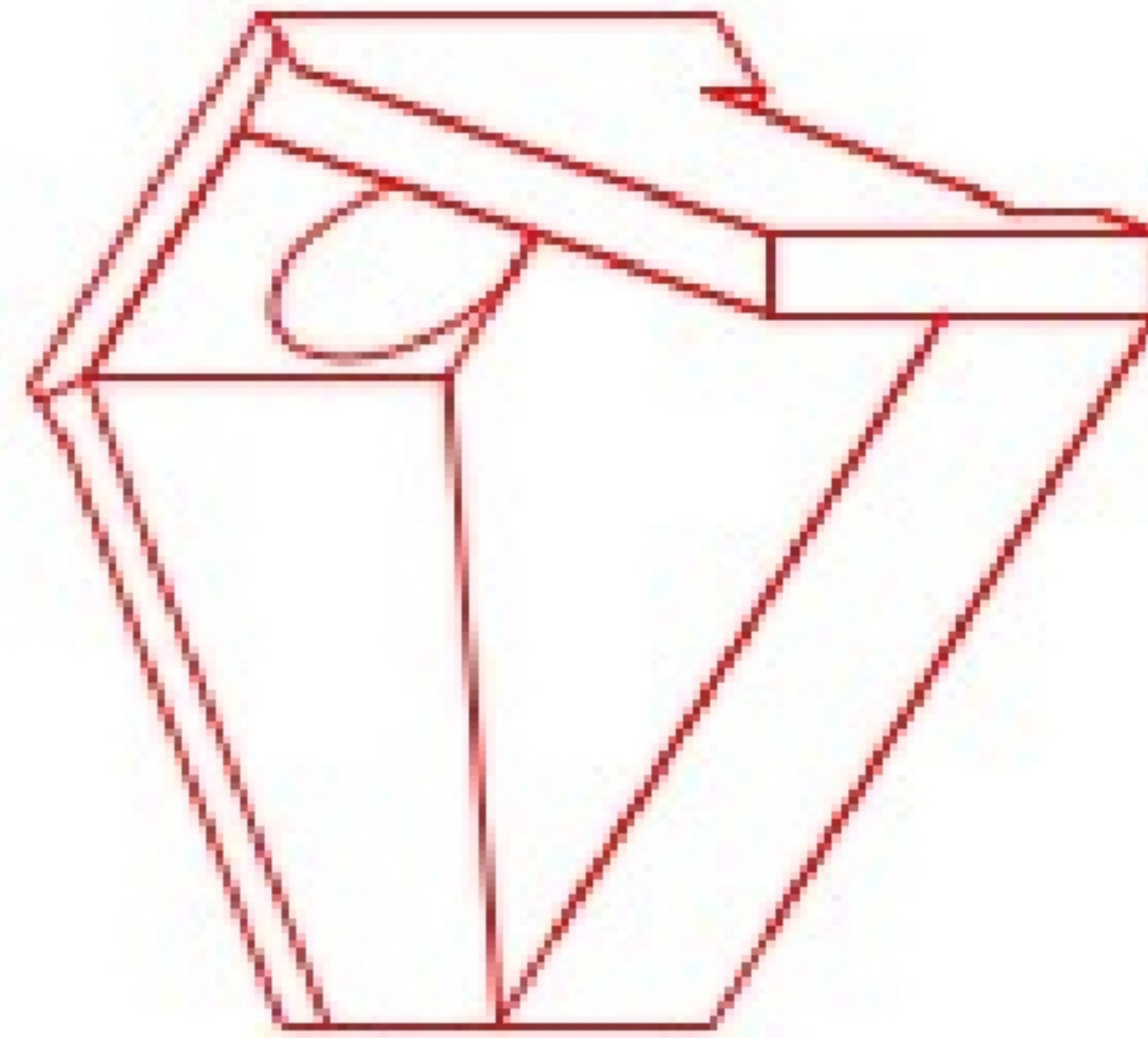


Structure ID: HDW 6

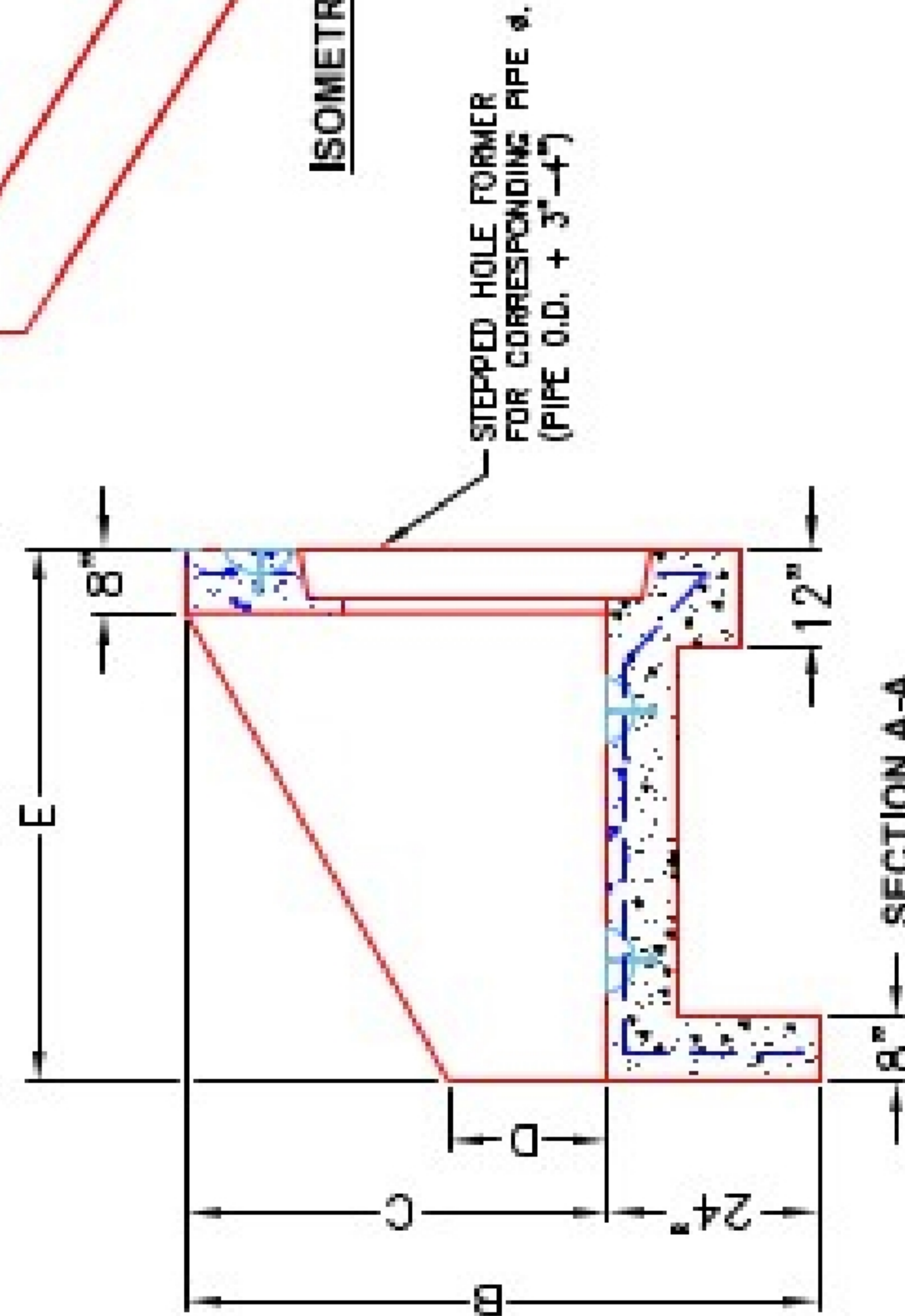
P1 HWPC48F

48" - PIPE CULVERT HEADWALL w/Flat Bottom F/F

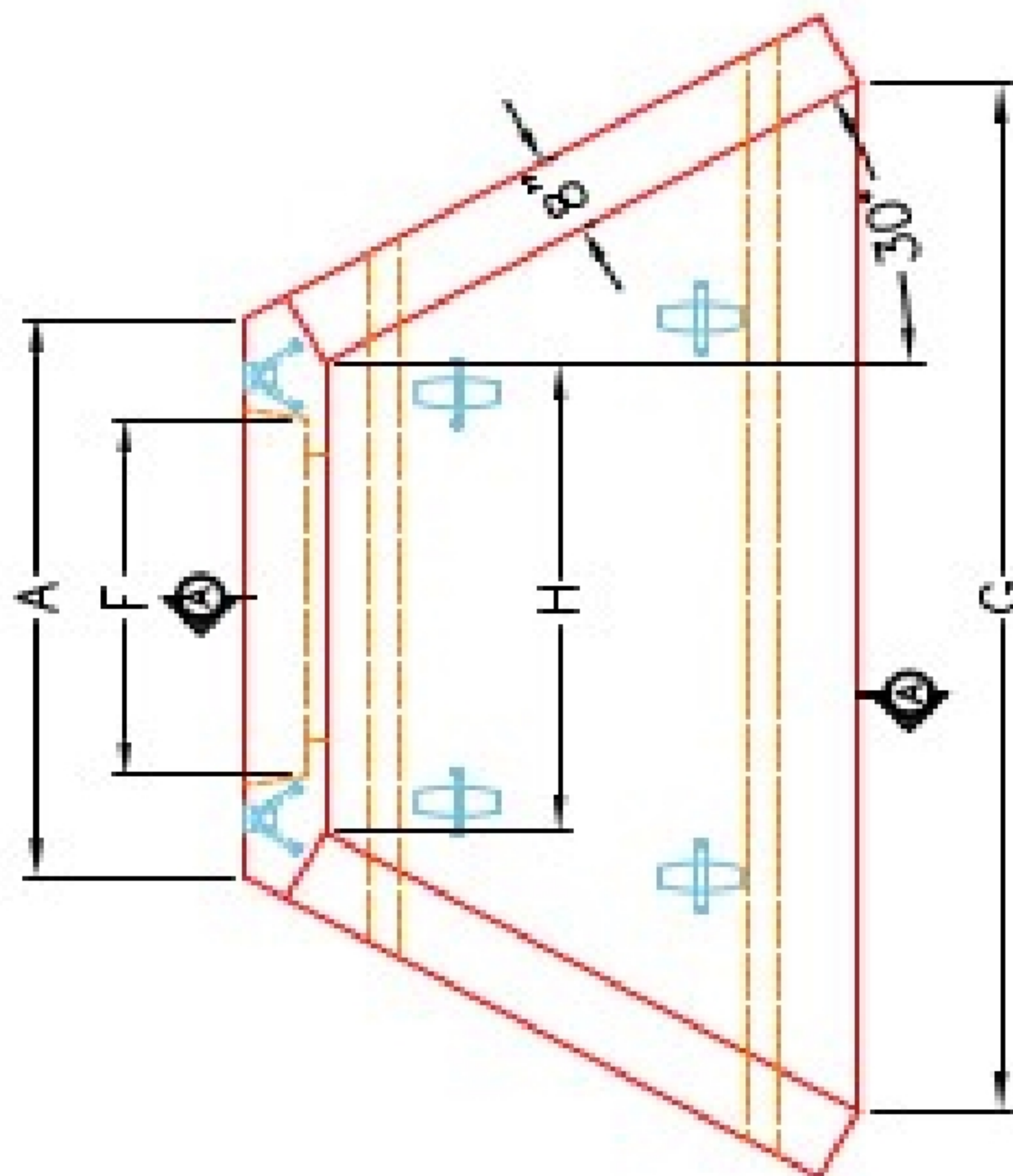
DIMENSIONS									
PIPE #	A	B	C	D	E	F	G	H	WEIGHT
3'	1'-4"	6'-4"	1'-0"	1'-4"	5'-0"	1'-0"	1'-8"	3'-4"	8,800 lbs.
3'	1'-4"	6'-4"	1'-0"	1'-4"	5'-0"	1'-0"	1'-8"	3'-4"	8,800 lbs.
4'	6'-4"	6'-7"	5'-5"	2'-4"	6'-5"	1'-0"	1'-8"	4'-10"	13,233 lbs.
4'	6'-4"	6'-7"	5'-5"	2'-4"	6'-5"	5'-2"	1'-8"	4'-10"	13,233 lbs.
5'	7'-4"	7'-8"	6'-4"	2'-4"	7'-4"	5'-8"	1'-8"	6'-0"	18,422 lbs.
6'	7'-4"	7'-8"	6'-4"	2'-4"	7'-4"	6'-4"	1'-8"	6'-0"	18,422 lbs.



ISOMETRIC VIEW

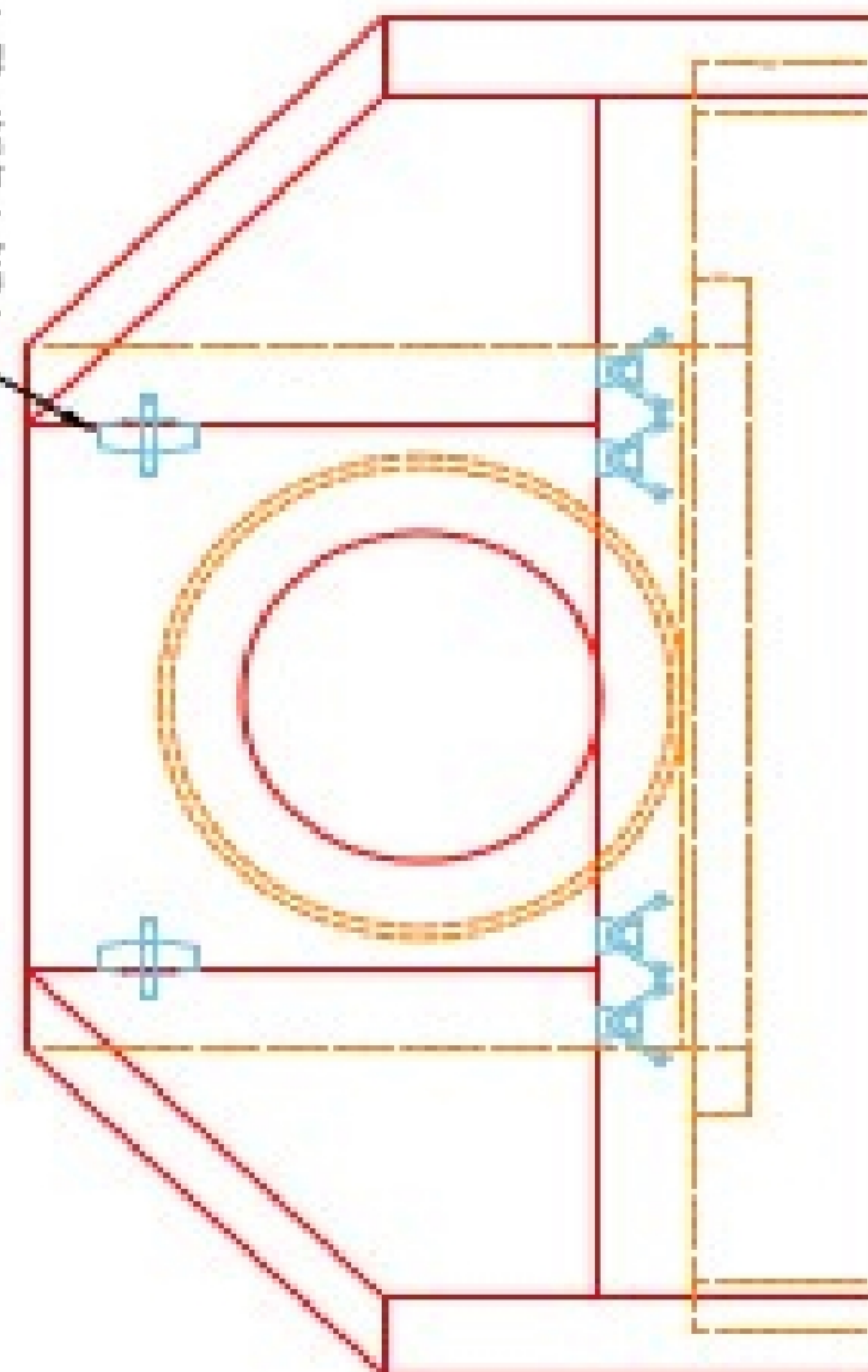


FRONT ELEVATION



PLAN VIEW

"A-ANCHOR" LIFTING SYSTEM
FOR PLANT & FIELD HANDLING.



NOTES:

1. CONCRETE: KYTC APPROVED.
2. REINFORCING: #5 BAR @ 12" C/C E.W.-GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH KYTC APPROVED NON-SHRINK GROUT.
5. DRAWING TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWING RDH-110-02, RDH-210-03 AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. 3" CHAMFER ON ALL EXPOSED EDGES.
7. PREFORMED STEPPED HOLE SIZED AS PER O.D. OF PIPE + 3"-4".

APPROVED FOR DESIGN ONLY

APPROVED

AS PER SPECIFICATION 100.02

DATE: 1/20/2021 9:50 am

BY: KYTC DIV. OF CONSTRUCTION

INSTRUCTION



INFRASTRUCTURE PRECAST, INC.
601 WEST 7TH ST., BEAVER DAM, KY, 40009
PHONE: (502) 338-2222, FAX: (502) 338-2222

KYTC 30"-60" PIPE CULVERT HEADWALL

DRAWING NO.: KYTC PC-HH DATE: 12-14-20

DESIGNED BY: J.H. ROSS, PE DRAWN BY: H. RICHARDS

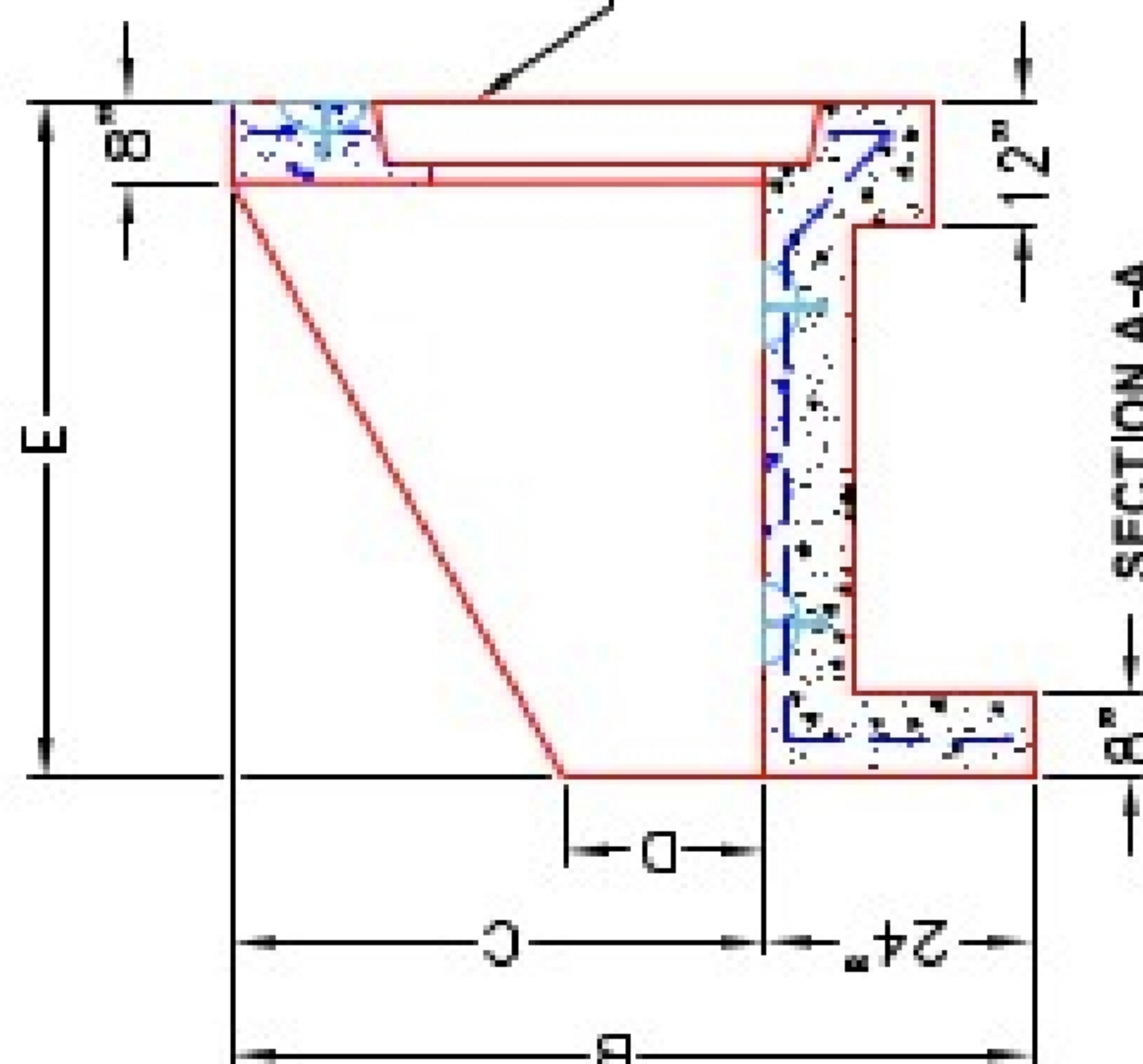
WEB: WWW.IPCAST.COM SCALE: NTS



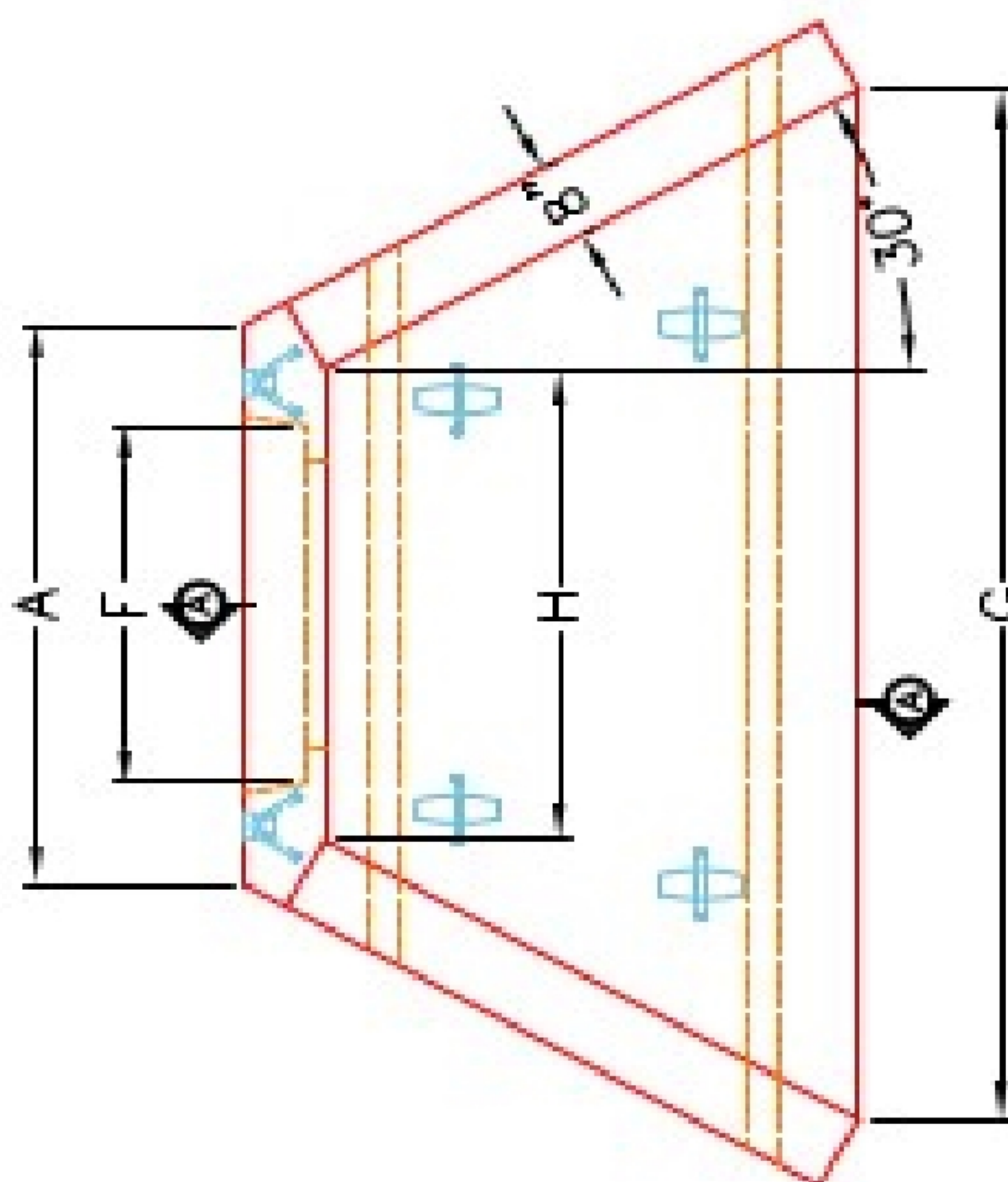
36" - PIPE CULVERT HEADWALL w/Flat Bottom F/F



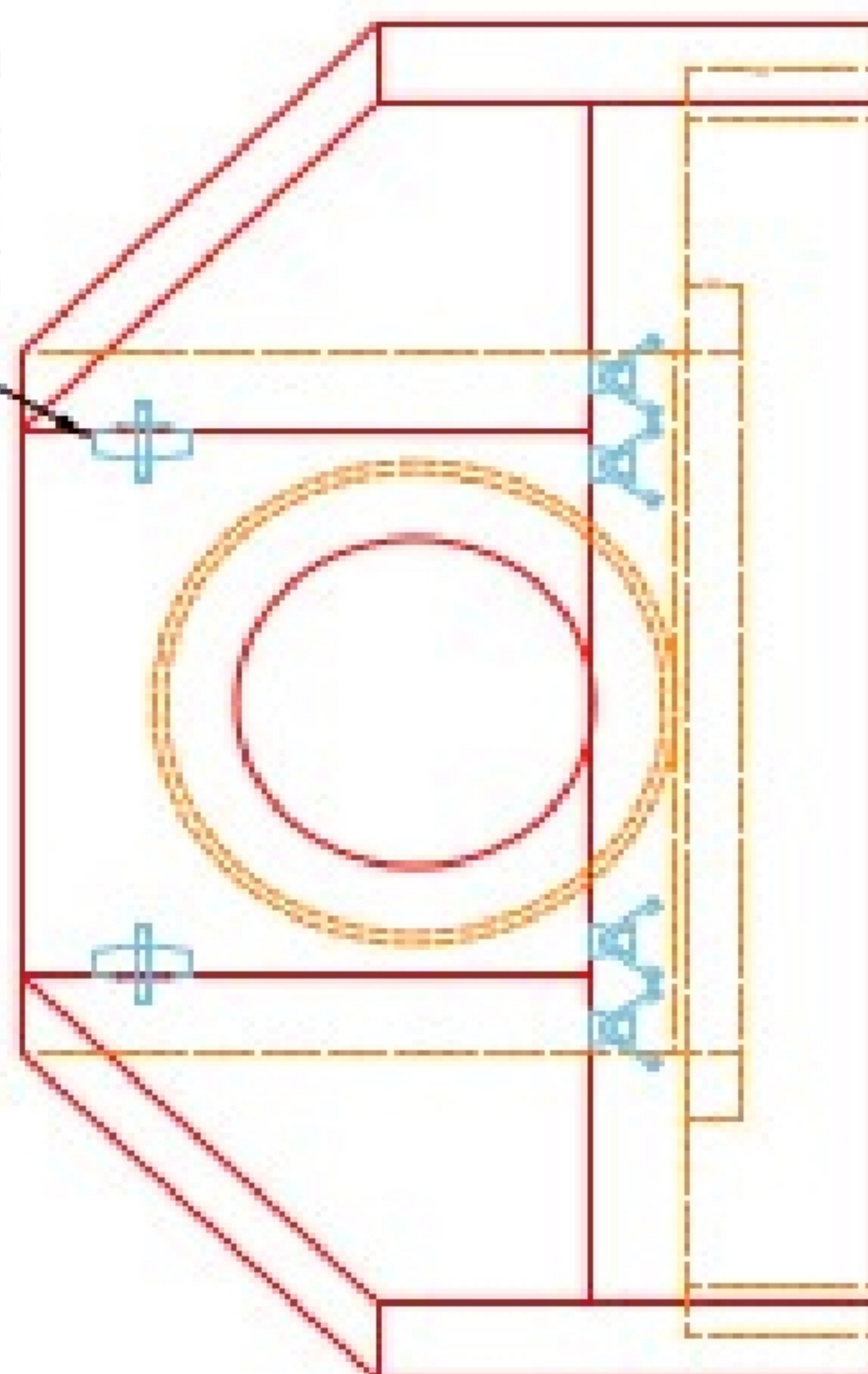
STEPPED HOLE FORMER
FOR CORRESPONDING PIPE Ø.
[PIPE 0.0. + 3"-4"]



SECTION A-A



PLAN VIEW



FRONT ELEVATION

NOTES:

1. CONCRETE: KYTC APPROVED.
2. REINFORCING: #5 BAR @ 12" C/C E.W. - GRADE 60,
(WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED
WITH KYTC APPROVED NON-SHRINK GROUT.
5. DRAWING TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWING
RDH-110-02, RDH-210-D3 AND THE STANDARD SPECIFICATIONS FOR ROAD
AND BRIDGE CONSTRUCTION.
6. $\frac{3}{4}$ " CHAMFER ON ALL EXPOSED EDGES.
7. PREFORMED STEPPED HOLE SIZED AS PER O.D. OF PIPE + 3" - 4".

APPROVED FOR DESIGN ONLY

APPROVED

2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 26

STEWART CO. OF CONSTRUCTION

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CONCLUSIONS

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DATE: 12-14-20

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Job Name: 26-2044 - 111 Irvin Road Emrose Village
Job Location: La Vergne, TN 37086
Contractor: Hayes Pipe Supply

Plant: 100

8/03/2026 11:34:36 AM

Tech: Jared - F

PC: E. Bradley



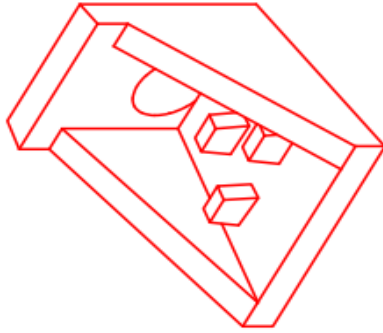
Structure ID: QL3 HW

P1 HWA12FD

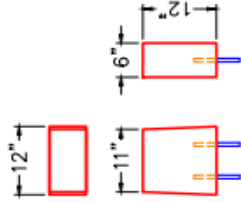
12" - HW AW w/FLAT BTM/DISSIPATORS F/F

DIMENSIONS & QUANTITIES

TYPE	PIPE Ø	A	B	C	D	E	F	G	QTY. BLOCKS	MAX OPENING	WEIGHT
AW	12"-18"	2'-8"	4'-0"	2'-6"	2'-2"	2'-0"	6"	0"	3 EA.	26"	1,380 LBS.
BW	24"	4'-0"	6'-0"	3'-8"	3'-0"	3'-0"	8"	6"	5 EA.	32"	3,100 LBS.
CW	30"-42"	6'-8"	9'-6"	4'-6"	4'-6"	5'-4"	8"	6"	7 EA.	56"	8,100 LBS.
DW	48"-60"	8'-2"	10'-0"	4'-8"	5'-0"	6'-11"	8"	6"-30"	9 EA.	78"	11,500 LBS.



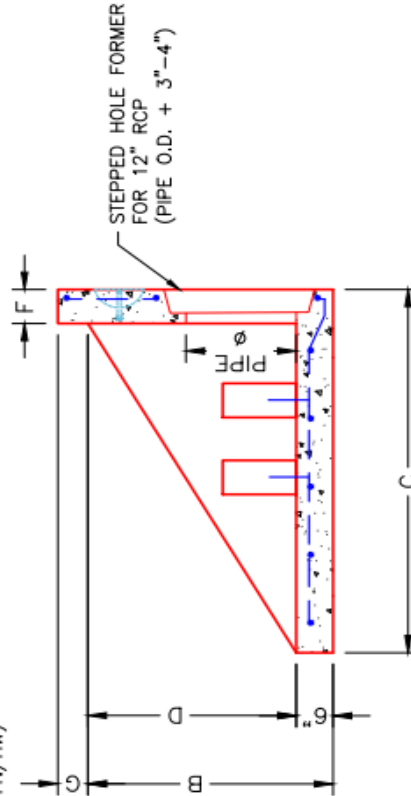
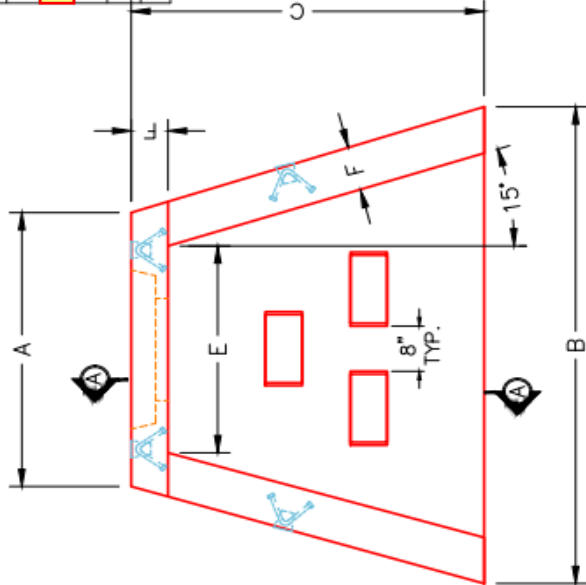
ISOMETRIC VIEW



DISSIPATOR BLOCK DETAIL

CONCRETE ENERGY
DISSIPATOR BLOCKS
(SEE CHART FOR QTY./HW)

PLAN VIEW



FRONT ELEVATION

SECTION A-A



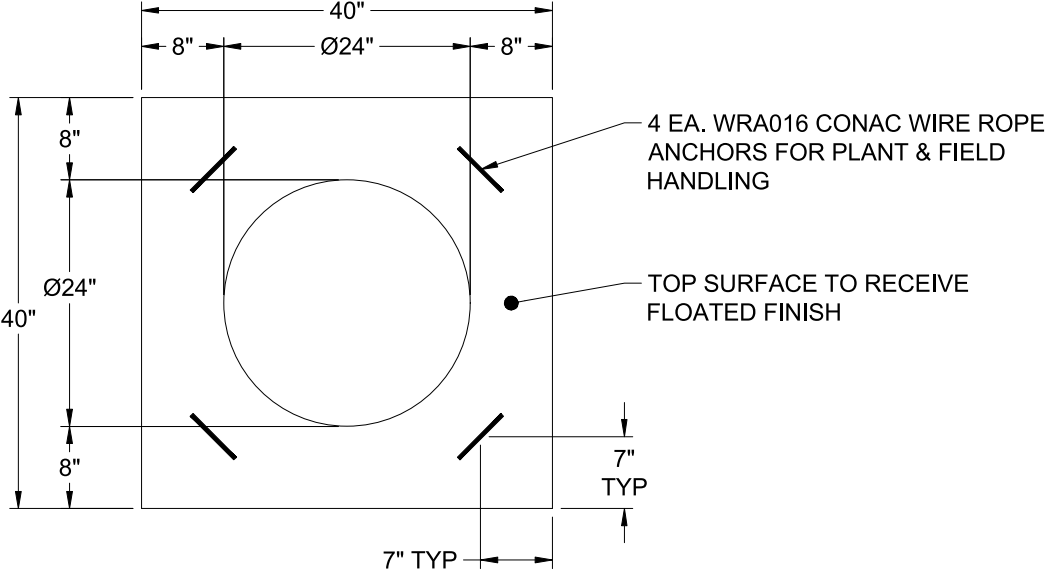
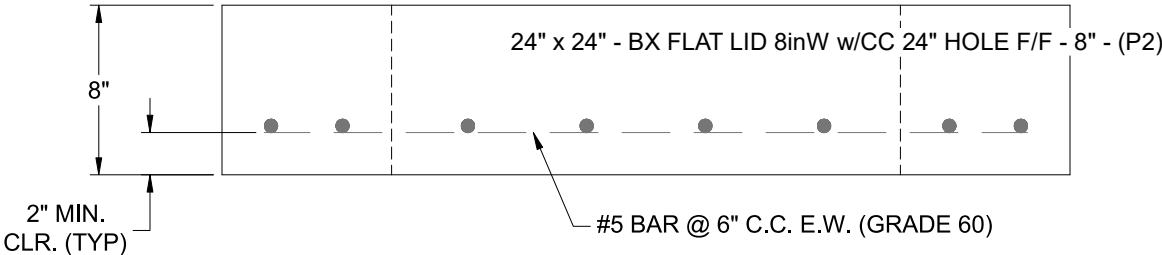
INFRASTRUCTURE PRECAST, INC.
981 WEST 7TH ST., BEAVER DAM, KY. 42320
PHONE: (270) 363-2238, FAX: (270) 298-7424

PRECAST WINGED HEADWALL
WITH ENERGY DISSIPATORS

DRAWING NO.: NMEIRO SF-HW DATE: 09-24-21

REVIEWED BY: J.H. ROSS, PE DRAWN BY: N. RICHARDS

WEB: WWW.ICASTINC.COM SCALE: NTS

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction		Plant: 100 6/12/2026 3:12:25 PM	Tech: J. Horsley - A PC: J. Jarvis	
Structure ID: 58				
P2 BXLD2424FL-24		BX FLAT LID 8inW w/CC 24" HOLE F/F		
P3) 24" - CASTING HEIGHT - 8" P2) 24" x 24" - BX FLAT LID 8inW w/CC 24" HOLE F/F - 8" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 20" 1) 24" x 24" - Conseal CS-102 1.00" 1) 24" - Conseal CS-102 1.00" 1) Hole - 18		0 lb 770 lb 2622 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 3392 lb	Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC JB TYPE B / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE KY-510 FRAME & COVER "STORM" SUPPLIED BY OTHERS 5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING 6. TOP SURFACE TO RECEIVE FLOATED FINISH	
				
				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 770 lb Volume (Net): 0.2cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:28:51 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 4001+70 LT CBIB INLET 19

P2 BX024036-08TS024024

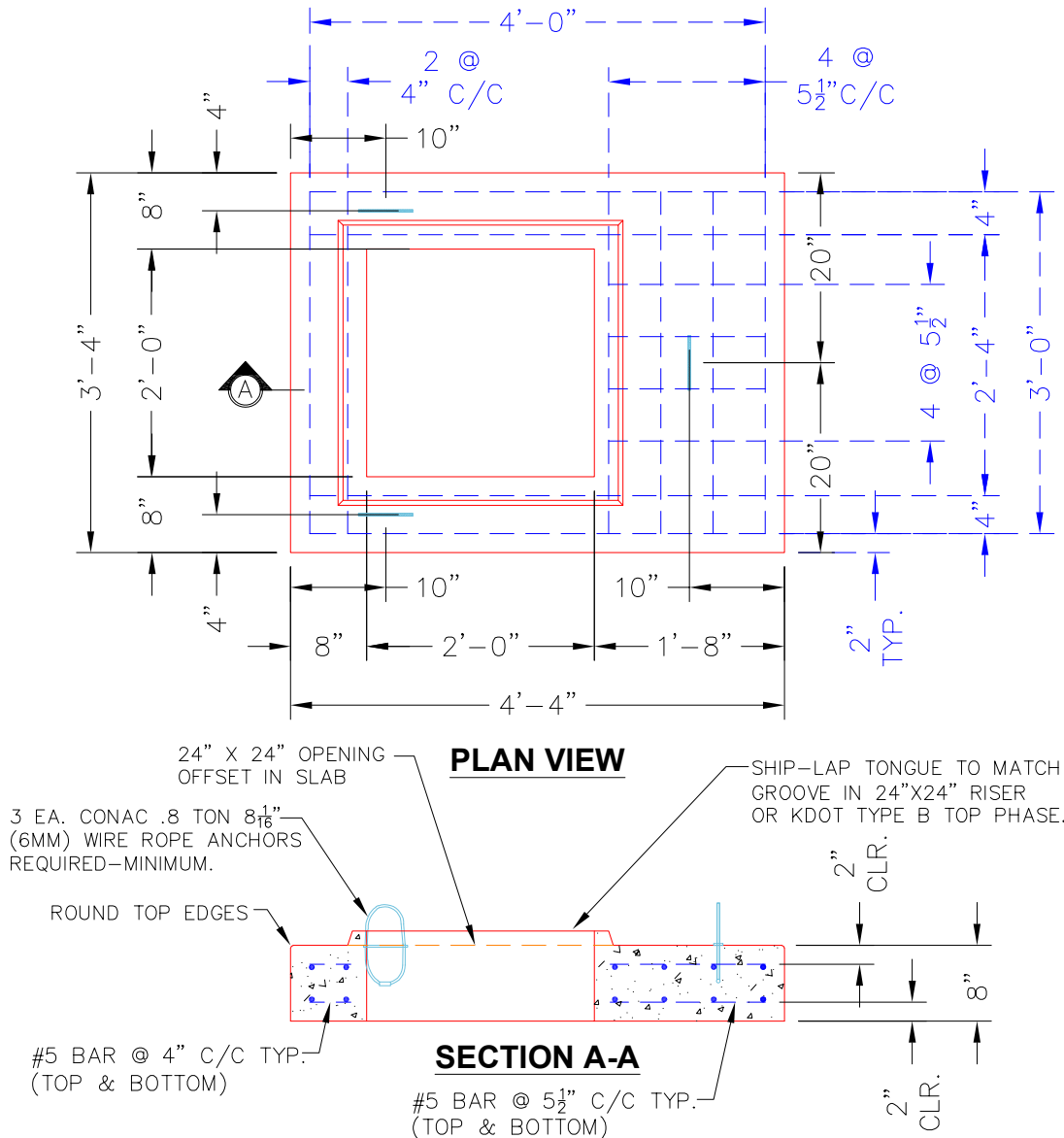
CB FT REDUCER 24"X24" HOLE

- P4) 8" x 120" - CB INLET KY B 10' TOP - 9"
P3) 24" x 120" - CB INLET KY B 10' BOTTOM RIGHT - 17"
P2) 24" x 36" - CB FT REDUCER 24"X24" HOLE - 8"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 26"
1) 24" x 36" - Conseal CS-102 1.00"
1) 24" x 24" - Conseal CS-102 1.00"
2) Hole - 22

1660 lb
2650 lb
1010 lb
3523 lb
0 lb
0 lb
0 lb

Structure Total: 8842 lb

Structure Notes:
-KYTC STATE PROJECT 251007
-REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
-CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
-KYTC CERTIFICATIONS REQUIRED.



NOTES:

- CONCRETE: 4500 PSI @ 28 DAYS.
- MANUFACTURED TO KYTC & ASTM C-913 SPECIFICATIONS.
- REINFORCING: #5 BAR AS SHOWN-GRADE 60. (T&B LAYER)
- KYTC STATE CERTIFICATIONS REQUIRED.
- 3 EA. CONAC WIRE LOOP LIFTS REQUIRED (MIN.)

#5 BAR CUT LIST
8 EA. @ 48" LG.
12 EA. @ 36" LG.
8 EA. @ 16" LG.

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 1010 lb
Volume (Net): 0.26cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

Tech: Jared - A

7/1/2026 12:33:11 PM

PC: J. Jarvis



Structure ID: 477

P2 BX024030-08LD08-15X27

CB FLAT TOP 8"W w/15"x27" HOLE

P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 44"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
1) Hole - 24
2) Hole - 4

0 lb
963 lb
5050 lb
237 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 6250 lb

Structure Notes:

****KYTC STATE PROJECT****

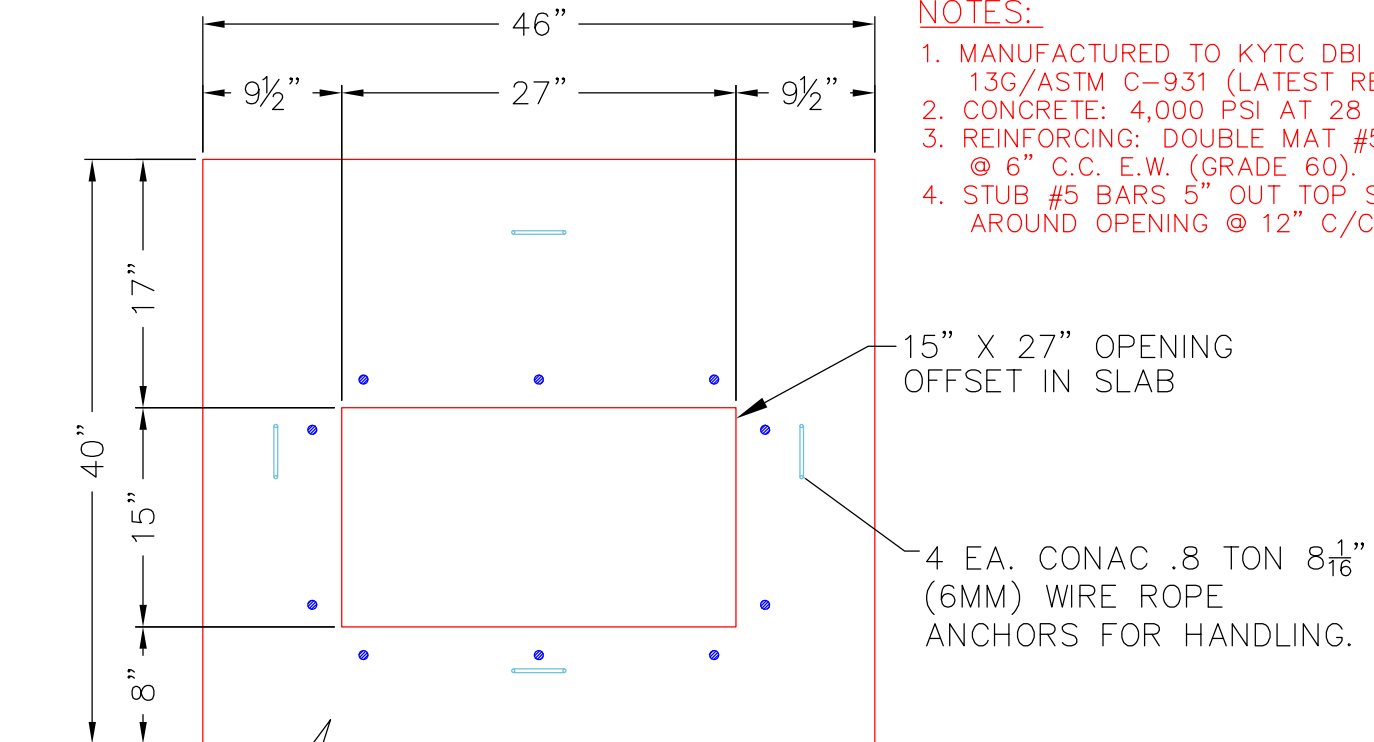
PLAN LABEL: 477

1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB

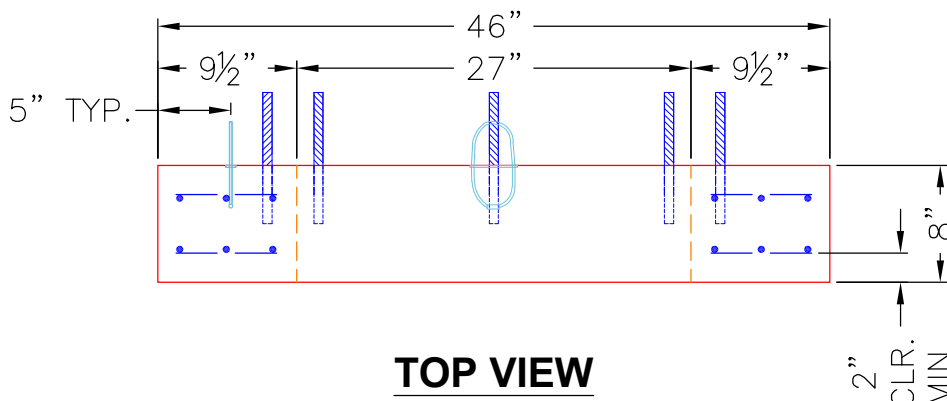
(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE

NOTES:

1. MANUFACTURED TO KYTC DBI TYPE 13G/ASTM C-931 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: DOUBLE MAT #5 BAR @ 6" C.C. E.W. (GRADE 60).
4. STUB #5 BARS 5" OUT TOP SLAB AROUND OPENING @ 12" C/C.



PLAN VIEW



TOP VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 963 lb
Volume (Net): 0.25cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:33:24 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 475

P2 BX024030-08LD08-15X27

CB FLAT TOP 8"W w/15"x27" HOLE

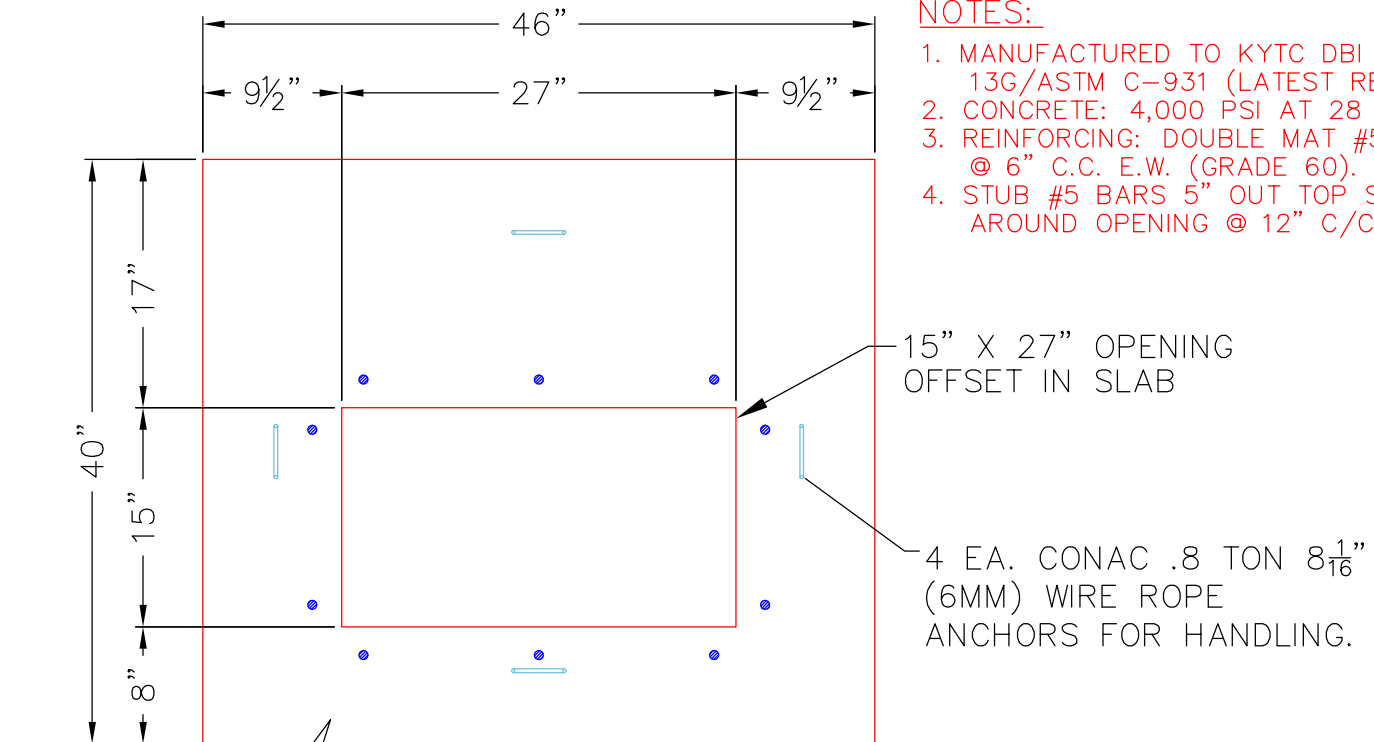
P3) 15" x 27" - P.I.P. - BY OTHERS - 8"
P2) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P1) 24" x 30" - BOX BASE 8inW, 8inF, Variable Ht - 40"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
1) Hole - 20
2) Hole - 4

0 lb
963 lb
4767 lb
237 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 5967 lb

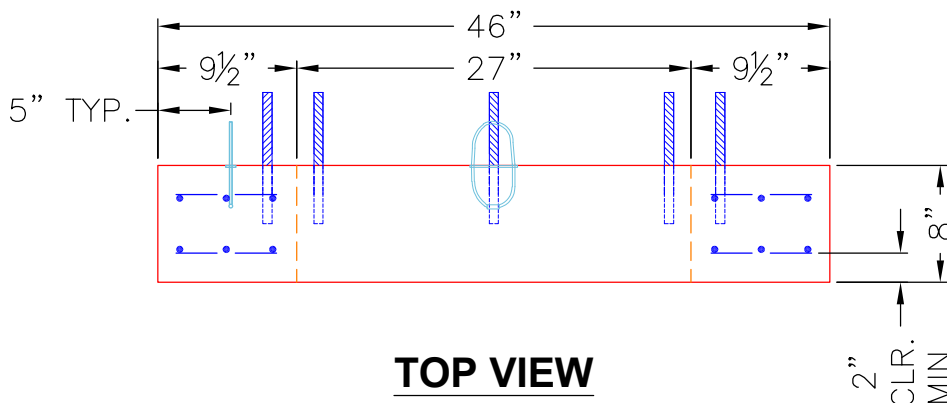
Structure Notes:

KYTC STATE PROJECT

1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB
(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE



PLAN VIEW



TOP VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 963 lb
Volume (Net): 0.25cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:33:22 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 472

P2 BX024036-08TS024030

CB FT REDUCER 24"X30" HOLE

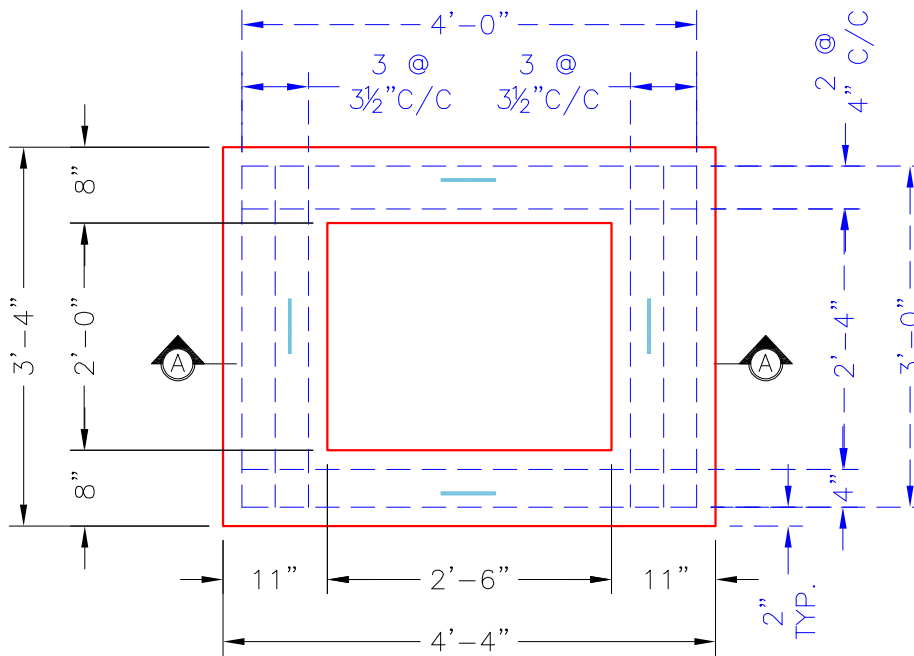
- P4) 15" x 27" - P.I.P. - BY OTHERS - 8"
P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P2) 24" x 36" - CB FT REDUCER 24"X30" HOLE - 8"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 49"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 36" - Conseal CS-102 1.00"
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 30
1) Hole - 20
2) Hole - 4

Structure Total: 7285 lb

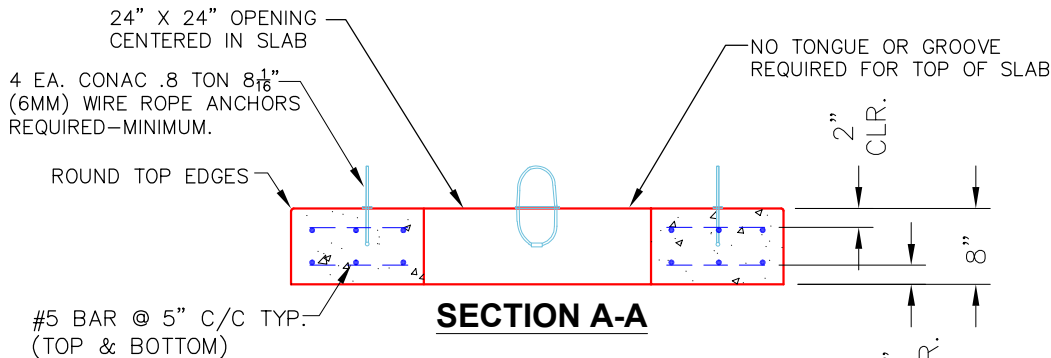
Structure Notes:

****KYTC STATE PROJECT****

1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB
(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE



PLAN VIEW



SECTION A-A

NOTES:

- CONCRETE: 4500 PSI @ 28 DAYS.
- MANUFACTURED TO KYTC & ASTM C-913 SPECIFICATIONS.
- REINFORCING: #5 BAR AS SHOWN-GRADE 60. (T&B LAYER)
- 4 EA. CONAC WIRE LOOP LIFTS REQUIRED (MIN.)

#5 BAR CUT LIST

- 8 EA. @ 48" LG.
- 12 EA. @ 36" LG.

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 913 lb
Volume (Net): 0.23cu.yd

Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

7/1/2026 12:33:23 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 472

P3 BX024030-08LD08-15X27

CB FLAT TOP 8"W w/15"x27" HOLE

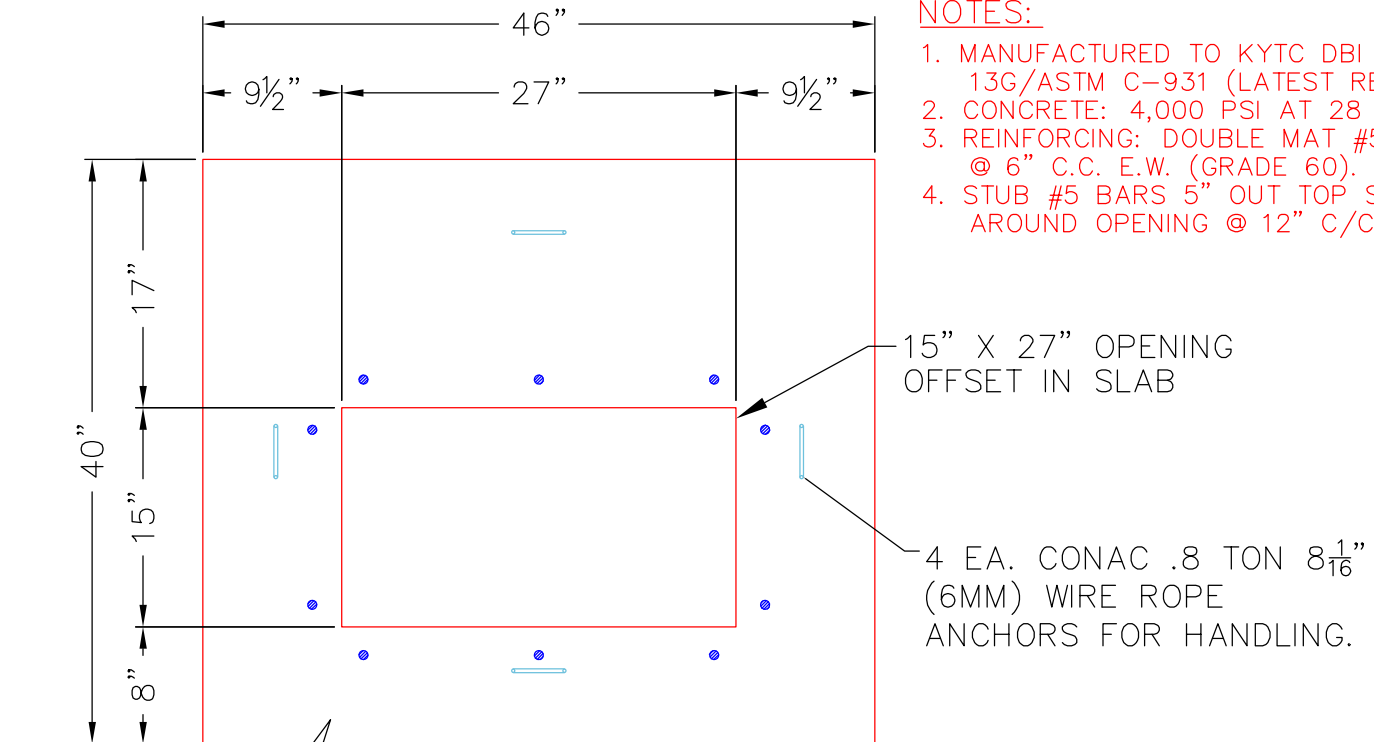
- P4) 15" x 27" - P.I.P. - BY OTHERS - 8"
P3) 24" x 30" - CB FLAT TOP 8"W w/15"x27" HOLE - 8"
P2) 24" x 36" - CB FT REDUCER 24"X30" HOLE - 8"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht - 49"
1) CASTING - HOE KY-230-G F/G (GRADE)
1) 24" x 36" - Conseal CS-102 1.00"
1) 24" x 30" - Conseal CS-102 1.00"
1) 15" x 27" - Conseal CS-102 1.00"
2) Hole - 30
1) Hole - 20
2) Hole - 4

Structure Total: 7285 lb

Structure Notes:

KYTC STATE PROJECT

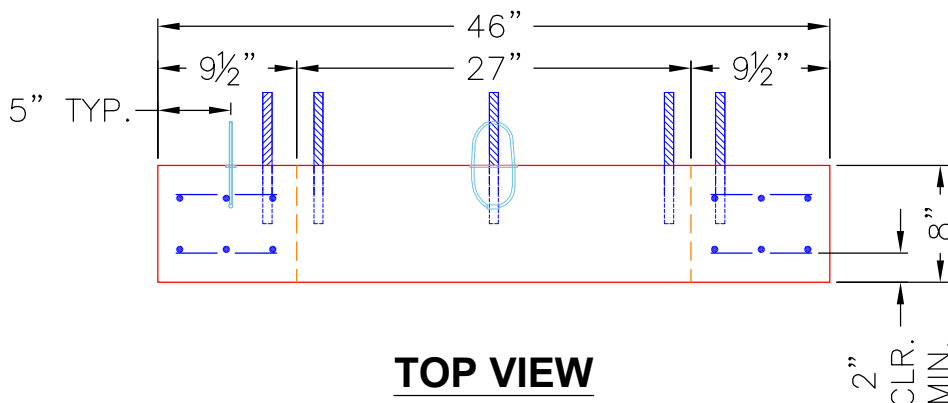
1. HOE KY-230-G F/G (GRADE) PROVIDED BY ICAST.
2. KYTC DBI TYPE 13G / ASTM C-913 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W..
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STUB #5 BARS 12" OUT OF THE TOP OF THE SLAB
(SPACED AT 12" CC) AROUND THE 15" X 27" HOLE



NOTES:

1. MANUFACTURED TO KYTC DBI TYPE 13G/ASTM C-931 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: DOUBLE MAT #5 BAR @ 6" C.C. E.W. (GRADE 60).
4. STUB #5 BARS 5" OUT TOP SLAB AROUND OPENING @ 12" C/C.

FLOAT FINISH **PLAN VIEW**



TOP VIEW

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

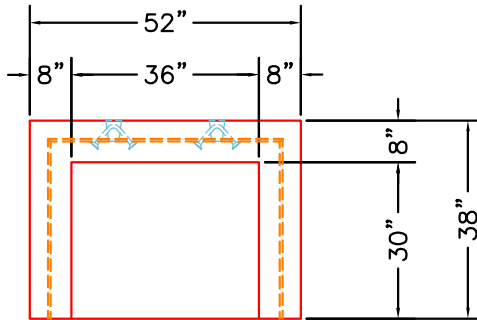
Wall Thickness: 8"

Height (Ext): 8"

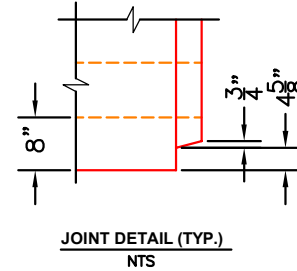
Weight (Net): 963 lb
Volume (Net): 0.25cu.yd

GENERAL NOTES

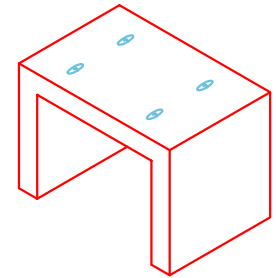
1. MANUFACTURED TO ASTM C1577 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. LOAD REQUIREMENTS = KY-HL93 (KY TABLE1).
4. COVER DEPTH = 4' TO 6'.
5. REINFORCING: PER ASTM C1577 (GRADE 60). SEE ATTACHED STAMPED DESIGN CALCULATIONS.
6. BOX CULVERT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAS).
7. EXTERIOR JOINT WRAP TO BE 12" WIDE CS212.
8. WEIGHT: 36" X 30" X 48" LONG SECTION = 3,609 LBS.



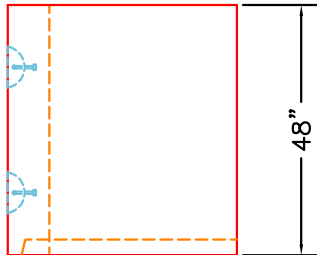
END VIEW



JOINT DETAIL (TYP.)
NTS

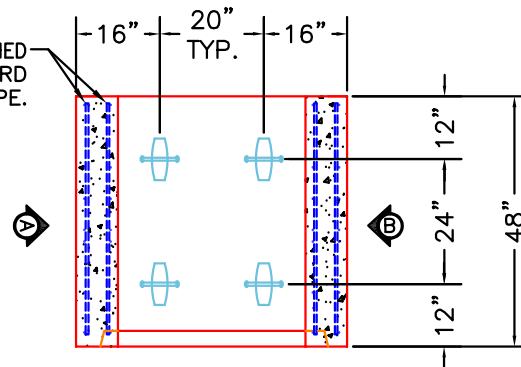


COMPONENT
ISOMETRIC VIEW

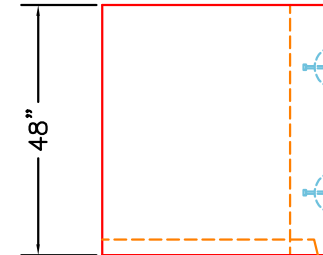


VIEW A
UPRIGHT IN MOLD

SEE ATTACHED
DESIGN BY WINFORD
A. PETRONE, PE.



PLAN VIEW
UPRIGHT IN MOLD



VIEW B
UPRIGHT IN MOLD

4 EA. CONAC 5CA14
LIFTING ANCHORS

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.: CBS

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 3,609 LBS.

TOP JOINT: FLAT

BOTTOM JOINT: GROOVE

QC CHECK INITIALS:

DESCRIPTION: 36" X 30" X 48" LONG 3-SIDED BOX CULVERT

CUSTOMER: CLEARY CONSTRUCTION INC

PROJECT: UK BP9 SITE THERMAL AND ELECTRIC UTILITIES

STRUCTURE: 36" X 30" X 48" BOX CULVERT (P1)

SALES ORDER/QUOTE NO: 25-2504

PC: C. GOFF

DRAWING: S. FELLETER

DATE: 07/31/26

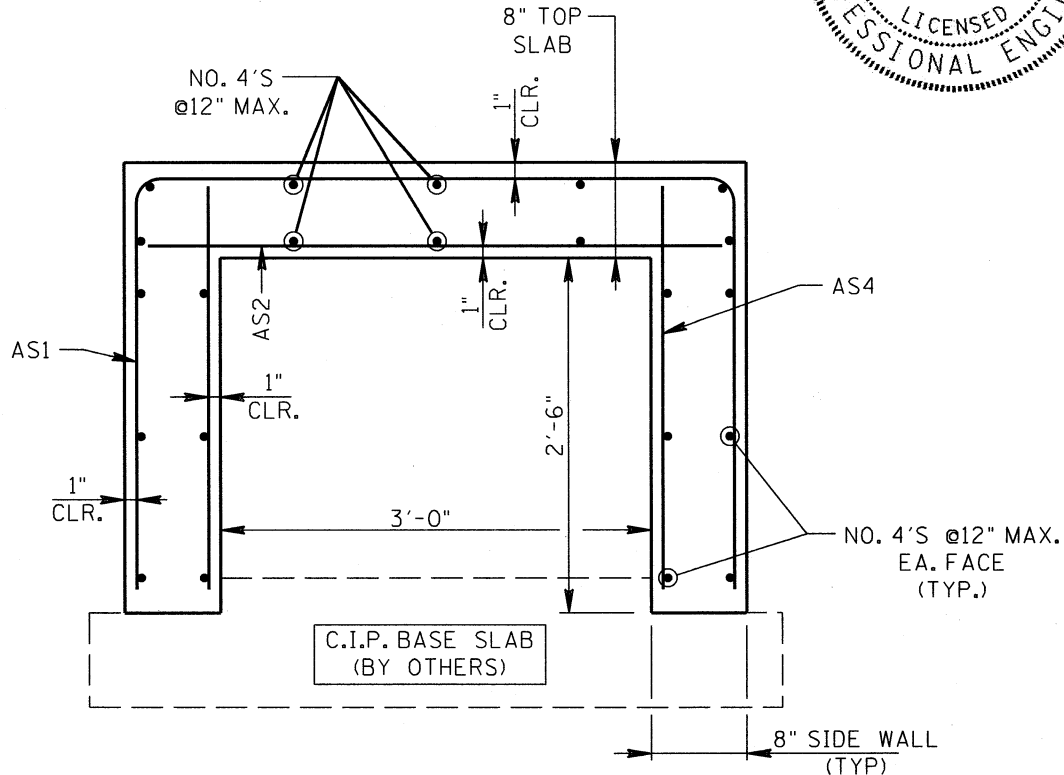
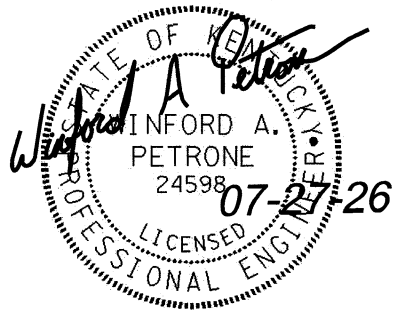
SCALE: NTS

PG. 1 of 1

58/60

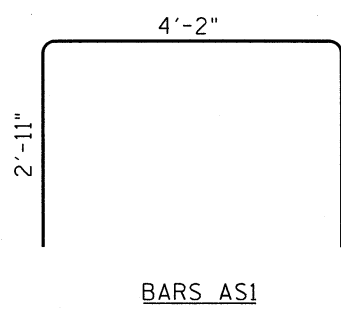
NOTE: SEE "PRECAST DESIGN SUBMITTALS, CONCRETE COMPONENTS" SHEET FOR SUMMARY OF BUILDING AND DESIGN CODES, MATERIALS REQUIREMENTS, AND DESIGN LOADS.

NOTE: SEE ICAST WORKING DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF EACH COMPONENT.



PRECAST TUNNEL SECTION
3'-0"X2'-6" STEAM TUNNEL RUN #2
NON-BEND UNITS

NOTE: CLEARANCE BETWEEN CUT-OFF ENDS OF BARS AND OUTSIDE FACES OF CONCRETE=2".

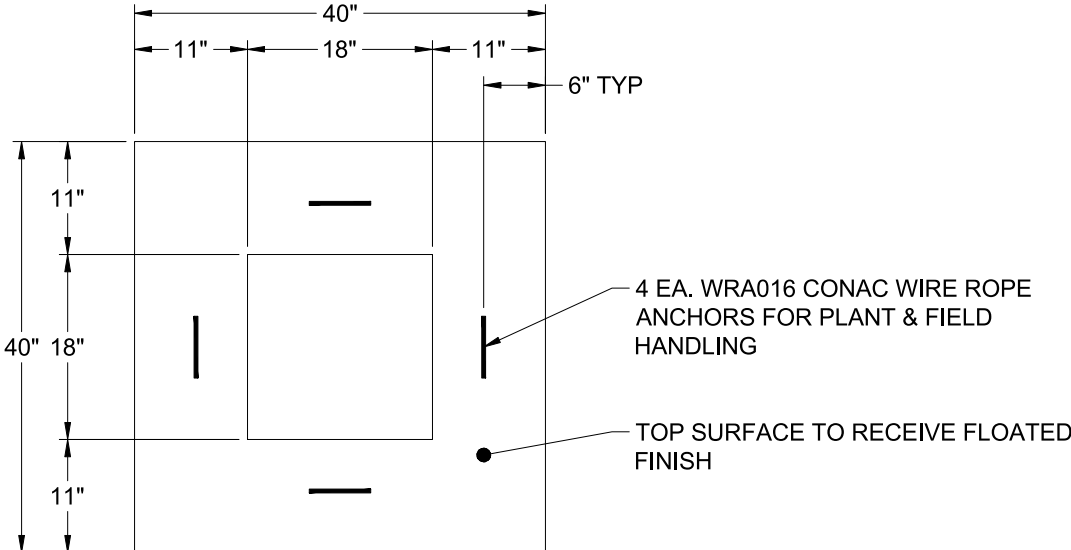
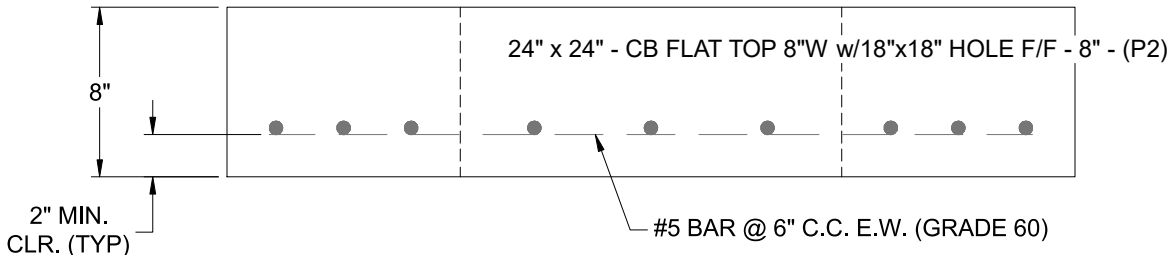


REINFORCING STEEL		
LOCATION	REQUIRED	COMMENTS
AS1	NO. 4'S@10"	BEND AS SHOWN
AS2	NO. 4'S@10"	EXTEND TO EXTER. FACES
AS3	NOT USED	NOT USED
AS4	NO. 4'S@12"	

AS1, AS2, AND AS4 REINFORCING BARS
Fy-min=60 K.S.I.

THIS SECTION TO BE USED FOR ALL
RUN #2: NON-ANGLED UNITS,
RECTANGULAR IN PLAN VIEW.

SK-4

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)		Plant: 100	Tech: J. Horsley - A	
Job Location: Indiana, KY Contractor: Louisville Paving and Construction		6/17/2026 5:41:42 PM	PC: J. Jarvis	
Structure ID: 134				
P2 BX024024-08LD08S		CB FLAT TOP 8"W w/18"x18" HOLE F/F		
P3) 18" x 18" - CASTING HEIGHT - 4" P2) 24" x 24" - CB FLAT TOP 8"W w/18"x18" HOLE F/F - 8" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 57" 1) 24" x 24" - Conseal CS-102 1.00" 1) 18" x 18" - Conseal CS-102 1.00" 1) Hole - 20 1) Hole - 22 1) Hole - 18		0 lb 857 lb 5335 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 0 lb Structure Total: 6192 lb	<u>Structure Notes:</u> 1. PER MSD YARD DRAIN / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS 5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING 6. TOP SURFACE TO RECEIVE FLOATED FINISH	
				
				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 857 lb Volume (Net): 0.22cu.yd

Job Name: 25-1684P14 KYTC Jefferson Co. Call 200 (251007)
Job Location: I-264 Louisville, Ky.
Contractor: Cleary Construction, Inc.

Plant: Beaver Dam, KY
8/4/2026 11:28:40 AM

Tech: J. Coppage
PC: T. Ryan



Structure ID: 5074+83 RT CBBI-MOD B1

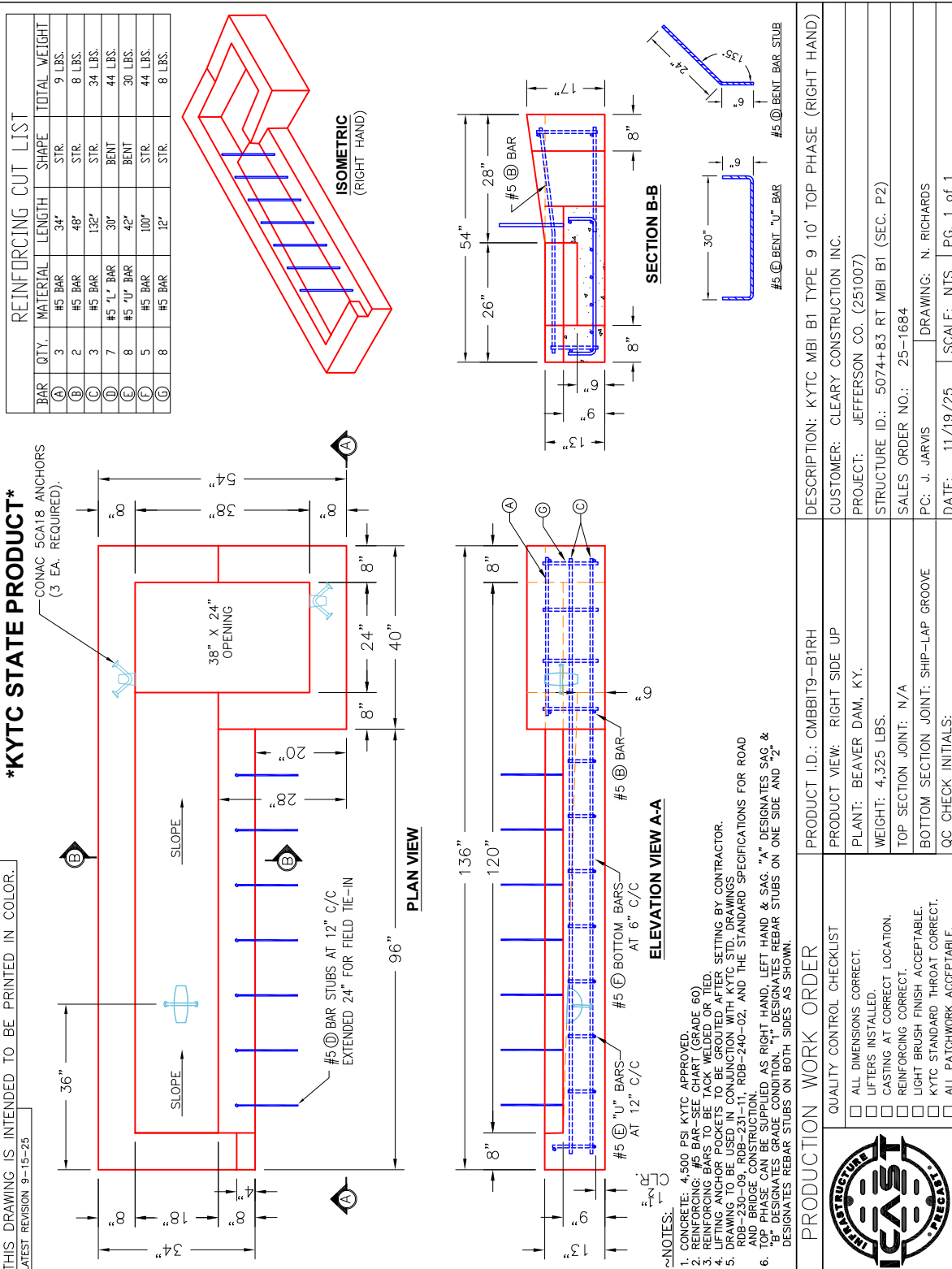
P2 CMBBIT9-B1RH

CB MED BAR BOX INLET 9B1 RH

- P3) 24" x 120" - CASTING (cast in) - 3"
P2) 24" x 120" - CB MED BAR BOX INLET 9B1 RH - 17"
P1) 24" x 36" - BOX BASE 8inW, 8inF - 30"
1) 24" x 36" - Con seal CS-102 1.00"
1) Hole - 18

Structure Notes:
-KYTC STATE PROJECT 251007
-REINFORCING: #5 BAR @ 12" C/C E.W. (TYP.)
-CASTING FRAMES & GRATES BY OTHERS.
-CS-102 BUTYL REQUIRED (SUPPLIED BY ICAST).
-KYTC CERTIFICATIONS REQUIRED.

Structure Total: 8287 lb



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 17"

Weight (Net): 4000 lb
Volume (Net): 0cu.yd