

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

Plant: Beaver Dam
6/5/2026 8:57:14 AM

Tech: S. Felletter
PC: C. Goff



Structure ID: 15-CS-12

P2 MH144RS54

MH RISER T/G

- P6) 24" - CASTING HEIGHT - 4"
P5) 144" - MH FLAT TOP SPEC. (2 - 24"Ø HOLES) F/G - 18"
P4) 144" - MH RISER T/G - 36"
P3) 144" - MH RISER T/G - 78"
P2) 144" - MH RISER T/G - 54"
P1) 144" - MH MONOBASE 14F, Custom Ht T/n - 24"
1) ASSEMBLY REQUIRED - BRACKETS ONLY
1) CVSTENCILING
4) 144" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
2) Hole - 48

- 0 lb
23623 lb
19370 lb
37954 lb
29054 lb
39578 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
- Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. 4" CASTING BY OTHERS
4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE
5. ICAST TO INSTALL BRACKETS ONLY
6. CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE

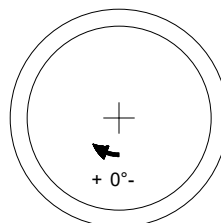
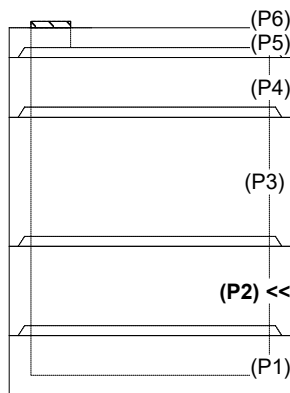
Structure Total: 149579 lb

- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .36)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

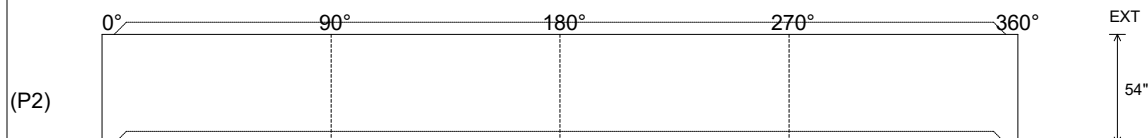
Rim: 1019.05' Rim to Invert: 9.75' Slack: 11.036" Sump: 108.036" Step Position:

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

RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 13"
Floor Height: 0"

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

Weight (Net): 29054 lb
Volume (Net): 7.42cu.yd

Job Name: 26-2604 ADS Abound Credit Union
Job Location: Louisville, KY
Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam
7/7/2026 8:31:16 AM

Tech: S. Felletter
PC: T. Ryan



Structure ID: AR3PC

P4 MH036LD10

MH FLAT TOP w/ 24" Ctr. Hole F/G

P5) 24" - CASTING HEIGHT - 7"
P4) 36" - MH FLAT TOP w/ 24" Ctr. Hole F/G - 10"
P3) 36" - MH RISER T/G - 18"
P2) 36" - MH RISER T/G - 72"
P1) 36" - MH BASE T/h - 18"

- 1) ASSEMBLY REQUIRED
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) CASTING - HOE MC-375 F/C Storm
- 3) 36" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) Hole - 12

0 lb
896 lb
759 lb
2937 lb
1525 lb
0 lb
0 lb
0 lb
271 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 6388 lb

Structure Notes:

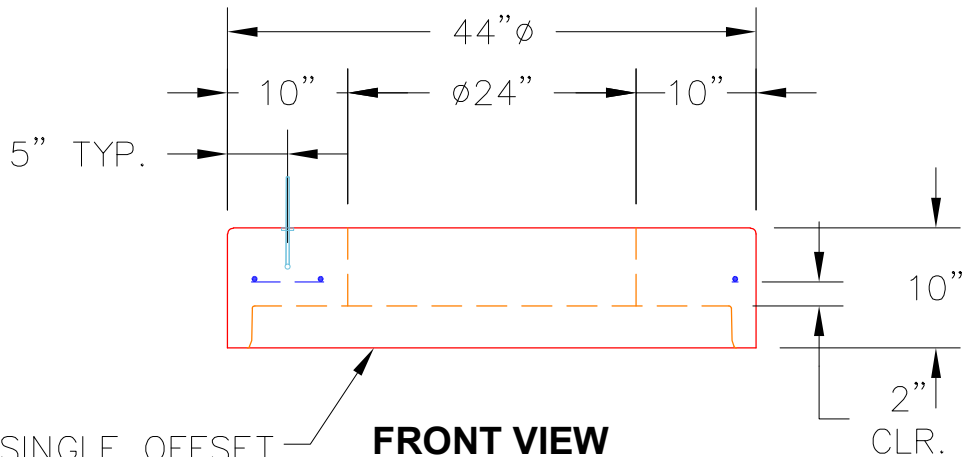
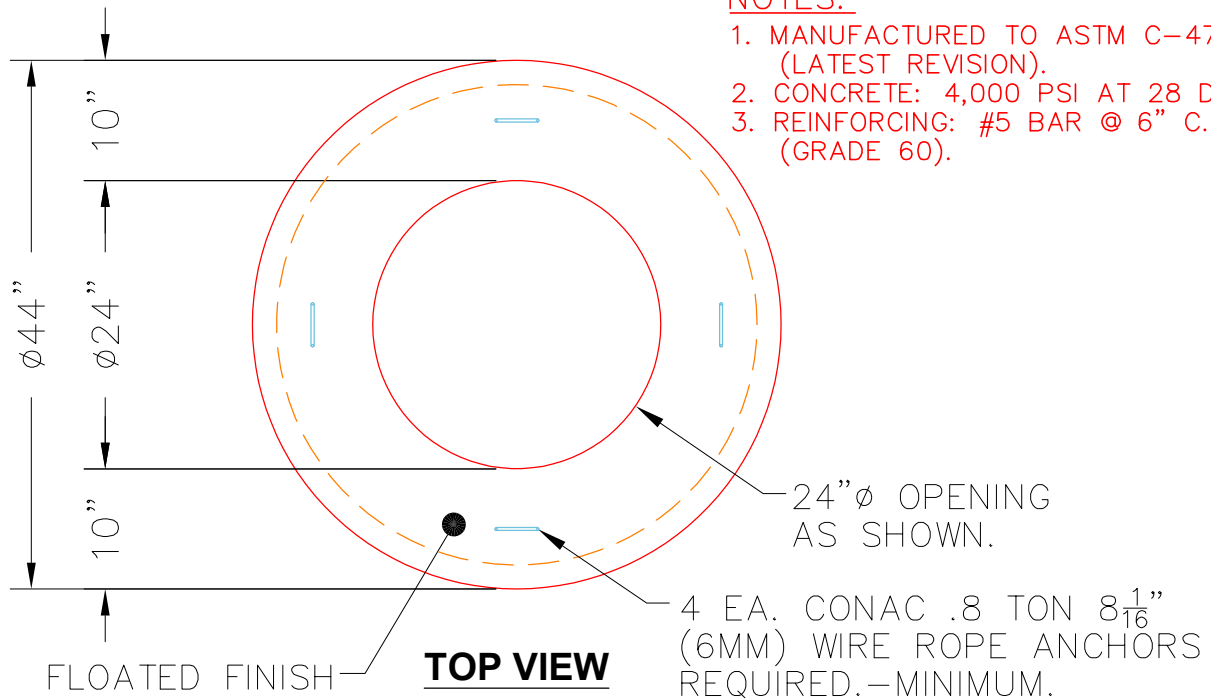
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-375 F/C "STORM").

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .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: #5 BAR @ 6" C.C. E.W. (GRADE 60).



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 4"

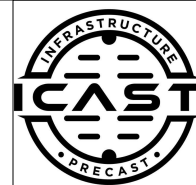
Height (Ext): 10"

Weight (Net): 896 lb
Volume (Net): 0.23cu.yd

Job Name: 26-1310 Lodges of Prospect Ph.2
Job Location: Prospect, KY 40059
Contractor: Trademark Excavating

Plant: 100
7/13/2026 2:32:10 PM

Tech: Jared - A
PC: Thomas Ryan



Structure ID: SS-MH 13+71.34

P1 MH048BAVF

MH BASE Custom Ht T/n

- P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE F/G - 30"
P1) 48" - MH BASE Custom Ht T/n - 32"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
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
5) MH Step ML-13-NCR - 12"

- 0 lb
2050 lb
3470 lb
1440 lb
0 lb
0 lb
340 lb
0 lb
0 lb
0 lb
16 lb
0 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.

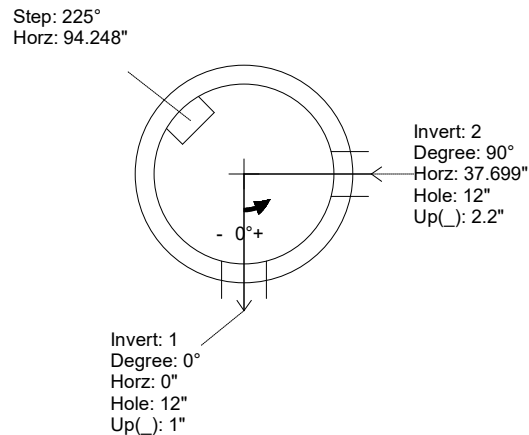
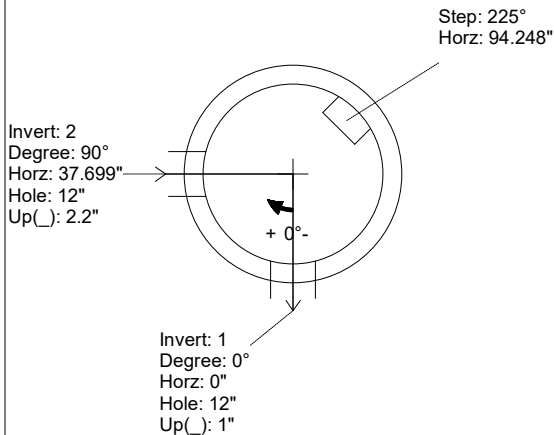
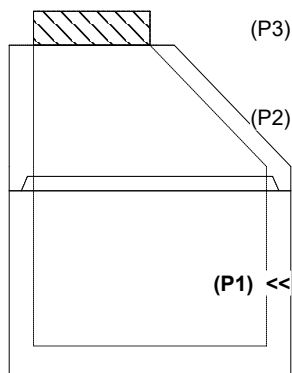
Structure Total: 7316 lb

Rim: 461.7' Rim to Invert: 5.52' Slack: 0.24' Sump: 3' Step Position: 225°

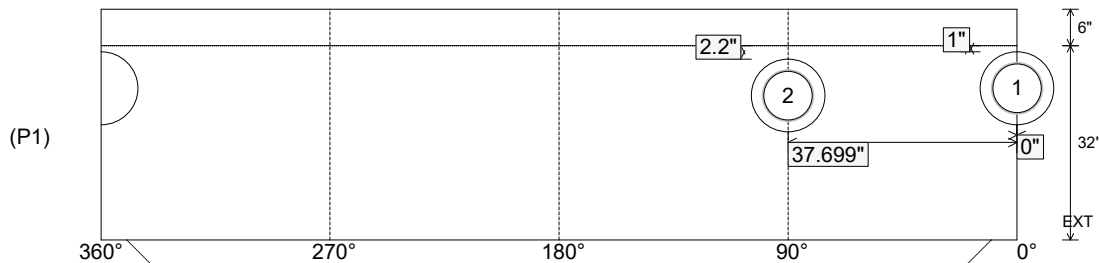
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	456.18'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	456.28'	90°	45.553"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

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

Weight (Net): 3470 lb
Volume (Net): 0.89cu.yd

Job Name: 26-1310 Lodges of Prospect Ph.2
Job Location: Prospect, KY 40059
Contractor: Trademark Excavating

Plant: 100

7/13/2026 2:32:10 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: SS-MH 13+71.34

P1 MH048BAVF

MH BASE Custom Ht T/n

P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE F/G - 30"
P1) 48" - MH BASE Custom Ht T/n - 32"

- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 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
- 5) MH Step ML-13-NCR - 12"

0 lb
2050 lb
3470 lb
1440 lb
0 lb
0 lb
340 lb
0 lb
0 lb
0 lb
16 lb
0 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: 7316 lb

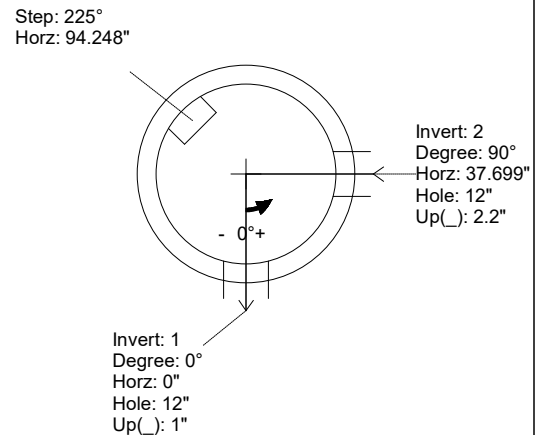
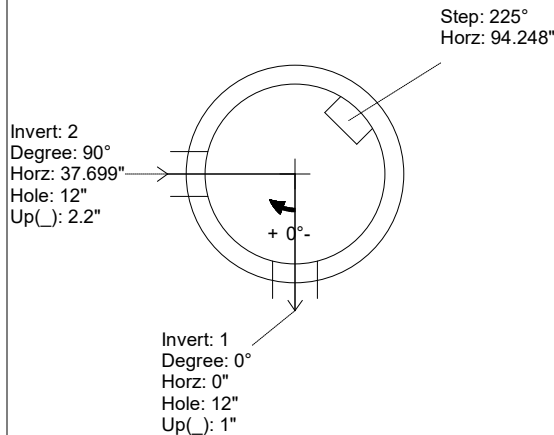
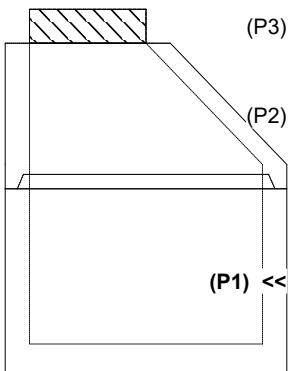
**Invert channel drawing
Full height invert**

Rim: 461.7' Rim to Invert: 5.52' Slack: 0.24" Sump: 3" Step Position: 225°

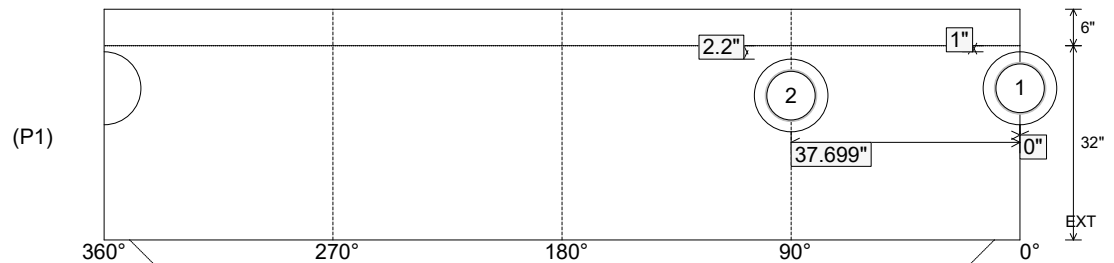
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	456.18'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	456.28'	90°	45.553"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

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

Weight (Net): 3470 lb
Volume (Net): 0.89cu.yd

Job Name: 26-1310 Lodges of Prospect Ph.2
Job Location: Prospect, KY 40059
Contractor: Trademark Excavating

Plant: 100

7/13/2026 2:32:09 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: SS-MH 11+80.75

P1 MH048BA30

MH BASE T/n

P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE F/G - 42"
P1) 48" - MH BASE T/n - 30"

- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 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
- 6) MH Step ML-13-NCR - 12"

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.

0 lb
3200 lb
3330 lb
1440 lb
0 lb
0 lb
340 lb
0 lb
0 lb
0 lb
16 lb
0 lb

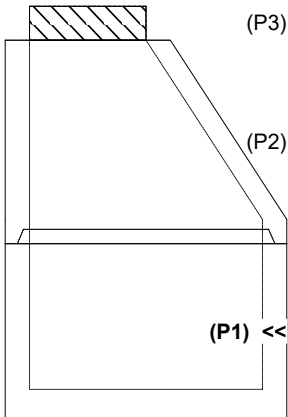
Structure Total: 8326 lb

Rim: 461.6' Rim to Invert: 6.57' Slack: 2.84' Sump: 3' Step Position: 134.5°

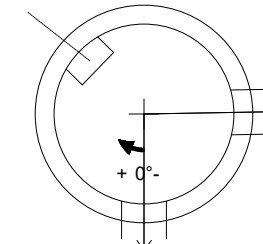
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	455.03'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	455.13'	269°	136.153"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



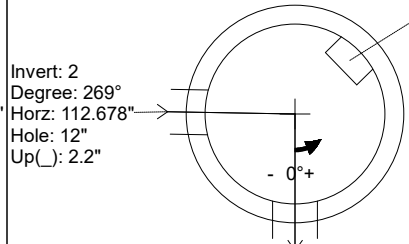
Step: 134.5°
Horz: 56.339"



Invert: 2
Degree: 269°
Horz: 112.678"
Hole: 12"
Up(): 2.2"

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

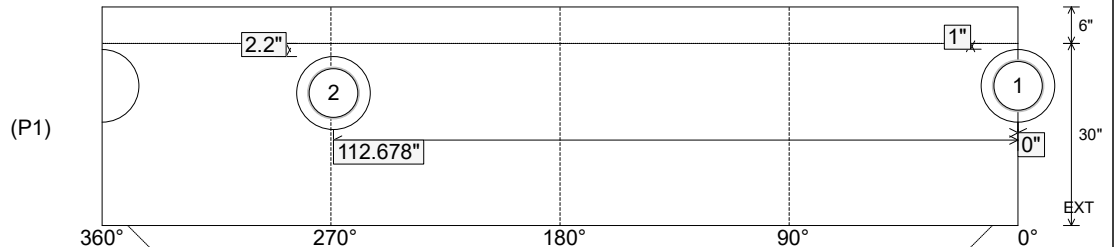
Step: 134.5°
Horz: 56.339"



Invert: 2
Degree: 269°
Horz: 112.678"
Hole: 12"
Up(): 2.2"

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

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

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

Weight (Net): 3330 lb
Volume (Net): 0.85cu.yd

Job Name: 26-1310 Lodges of Prospect Ph.2
Job Location: Prospect, KY 40059
Contractor: Trademark Excavating

Plant: 100

7/13/2026 2:32:09 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: SS-MH 11+80.75

P1 MH048BA30

MH BASE T/n

P3) 24" - CASTING HEIGHT - 7"
P2) 48" - ECC CONE w/ 24" HOLE F/G - 42"
P1) 48" - MH BASE T/n - 30"

- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 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
- 6) MH Step ML-13-NCR - 12"

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.

0 lb
3200 lb
3330 lb
1440 lb
0 lb
0 lb
340 lb
0 lb
0 lb
16 lb
0 lb

Structure Total: 8326 lb

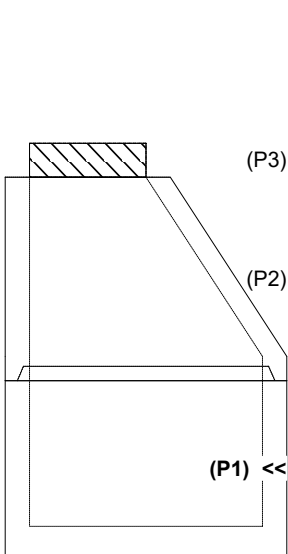
**Invert channel drawing
Full height invert**

Rim: 461.6' Rim to Invert: 6.57' Slack: 2.84' Sump: 3' Step Position: 134.5°

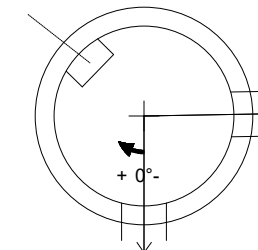
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	455.03'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	455.13'	269°	136.153"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



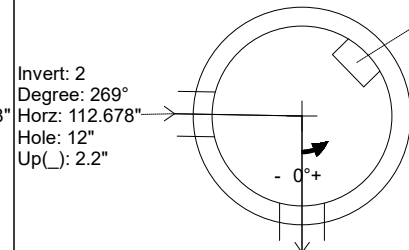
Step: 134.5°
Horz: 56.339"



Invert: 2
Degree: 269°
Horz: 112.678"
Hole: 12"
Up(): 2.2"

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

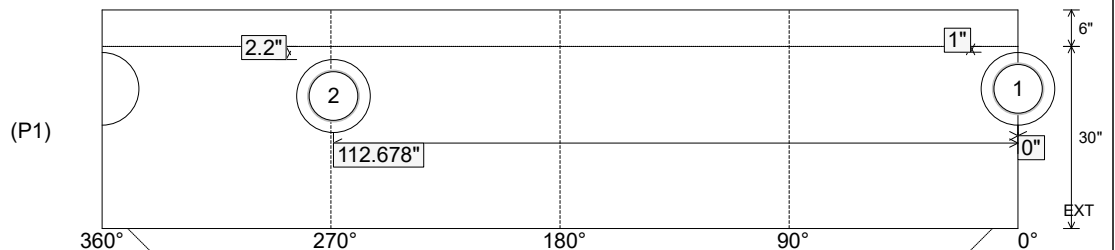
Step: 134.5°
Horz: 56.339"



Invert: 2
Degree: 269°
Horz: 112.678"
Hole: 12"
Up(): 2.2"

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

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

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

Weight (Net): 3330 lb
Volume (Net): 0.85cu.yd

Job Name: 26-1310 Lodges of Prospect Ph.2
Job Location: Prospect, KY 40059
Contractor: Trademark Excavating

Plant: 100
7/13/2026 2:32:08 PM

Tech: Jared - A
PC: Thomas Ryan



Structure ID: SS-MH 10+74.25

P1 MH048BA18

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE F/G - 30"
P2) 48" - MH RISER T/G - 36"
P1) 48" - MH BASE T/n - 18"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) CASTING - HOE MC-420 F/C Sanitary
2) 48" - Conseal CS-102 1.00" (Double)
1) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 12-08 NYLO
7) MH Step ML-13-NCR - 12"

- 0 lb
2050 lb
2515 lb
2492 lb
1440 lb
0 lb
0 lb
340 lb
0 lb
0 lb
16 lb
0 lb

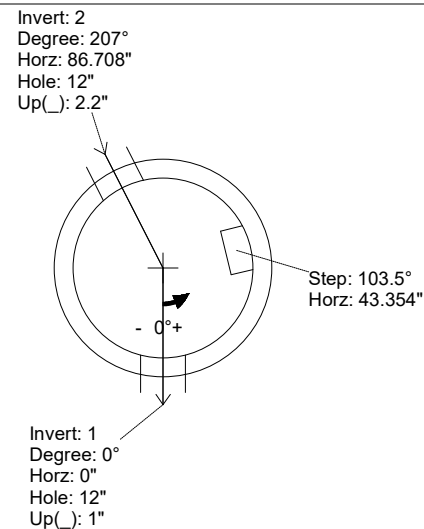
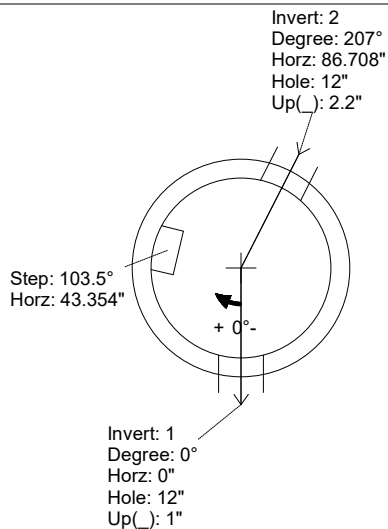
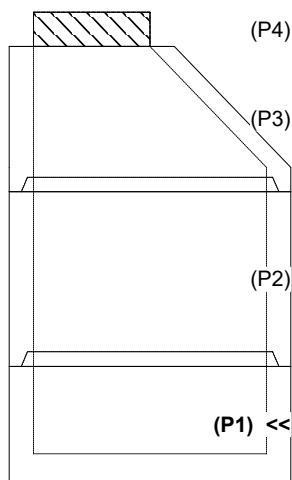
Structure Total: 8853 lb
- Structure Notes:**
1. HOE MC-420 F/C SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 461.8' Rim to Invert: 7.4' Slack: 0.8" Sump: 3" Step Position: 103.5"

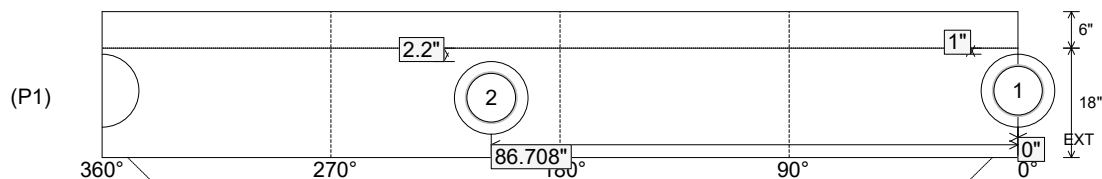
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	454.4'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	454.5'	207°	104.772"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 18"
Height (Ext): 24"

Weight (Net): 2492 lb
Volume (Net): 0.64cu.yd

Job Name: 26-1310 Lodges of Prospect Ph.2
Job Location: Prospect, KY 40059
Contractor: Trademark Excavating

Plant: 100

7/13/2026 2:32:08 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: SS-MH 10+74.25

P1 MH048BA18

MH BASE T/n

P4) 24" - CASTING HEIGHT - 7"
P3) 48" - ECC CONE w/ 24" HOLE F/G - 30"
P2) 48" - MH RISER T/G - 36"
P1) 48" - MH BASE T/n - 18"

- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) CASTING - HOE MC-420 F/C Sanitary
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 7) MH Step ML-13-NCR - 12"

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: 8853 lb

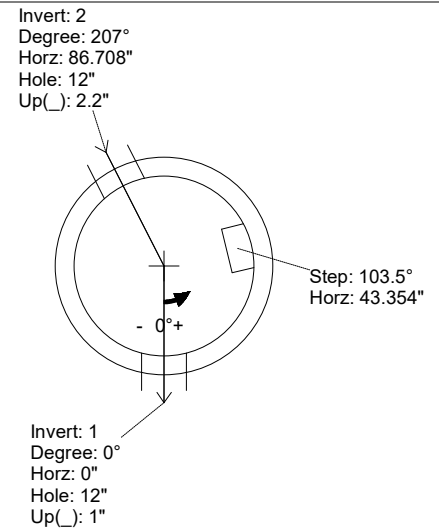
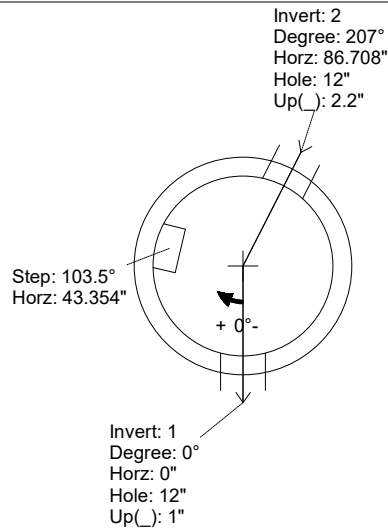
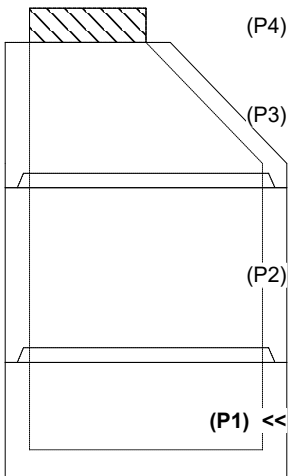
**Invert channel drawing
Full height invert**

Rim: 461.8' Rim to Invert: 7.4' Slack: 0.8" Sump: 3" Step Position: 103.5°

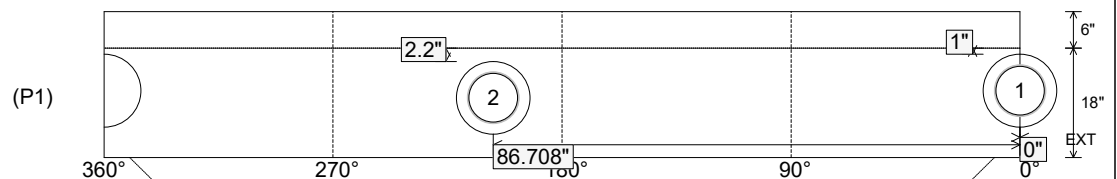
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	454.4'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	454.5'	207°	104.772"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



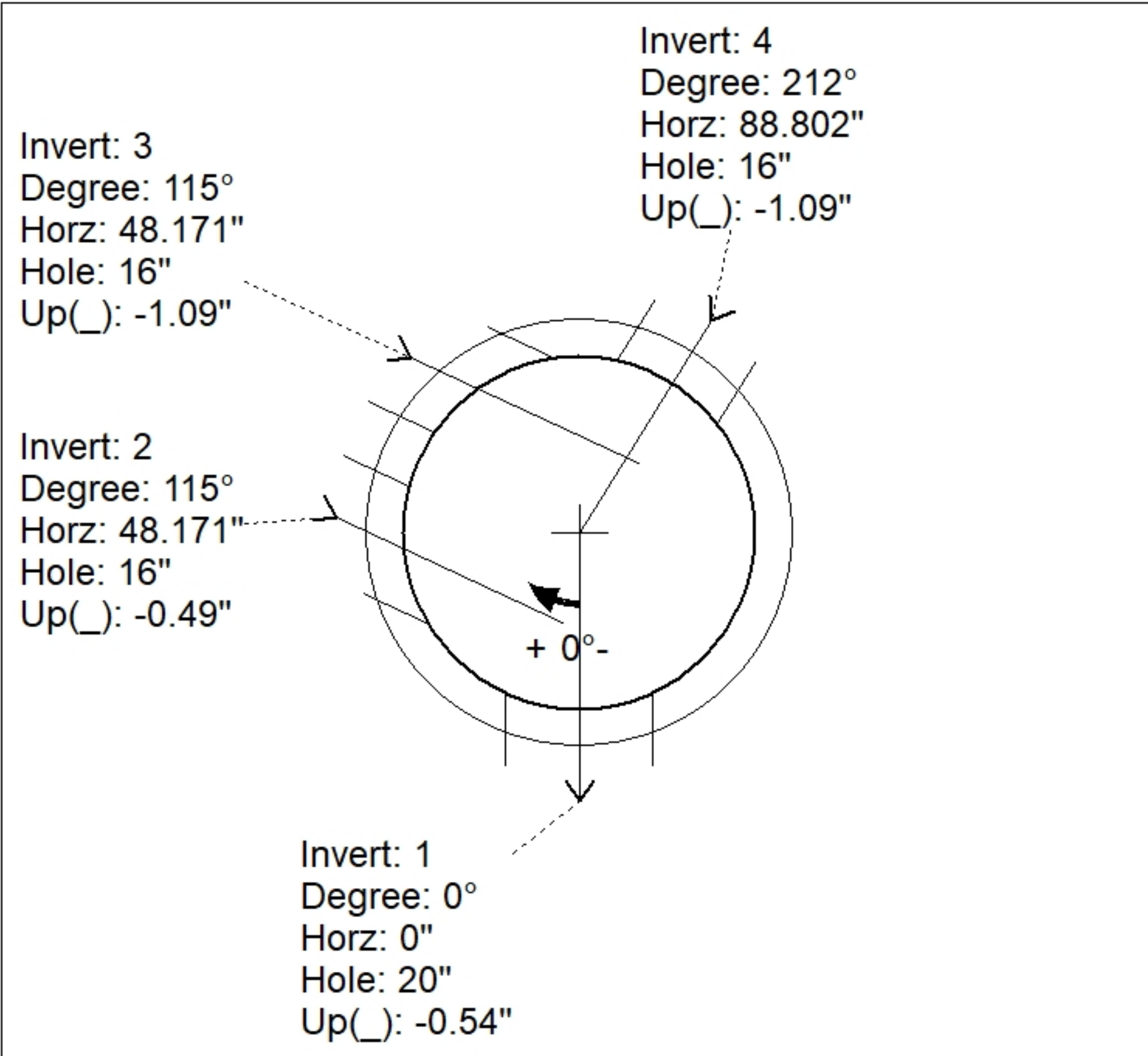
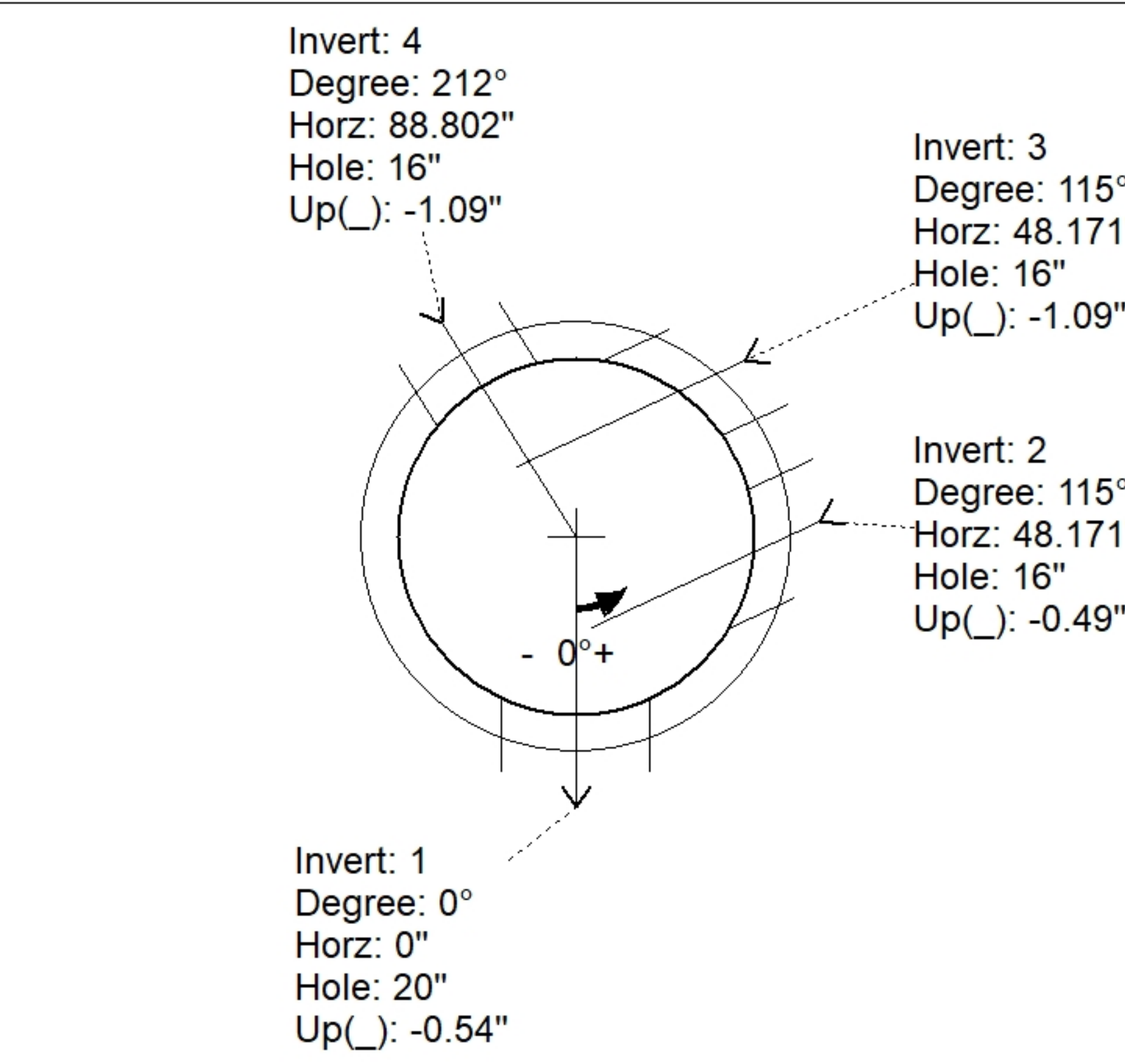
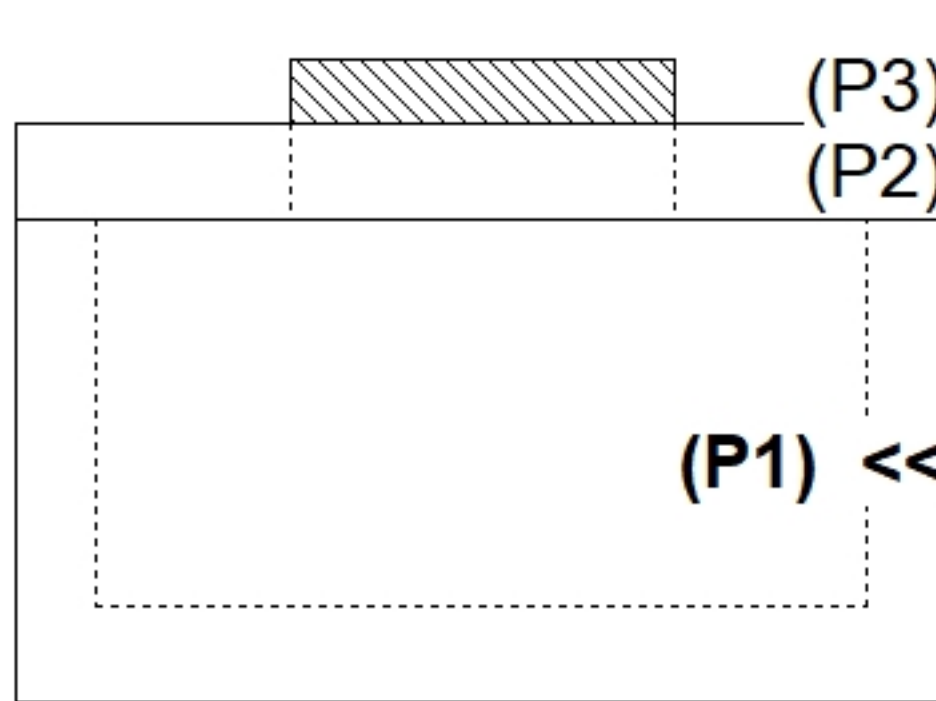
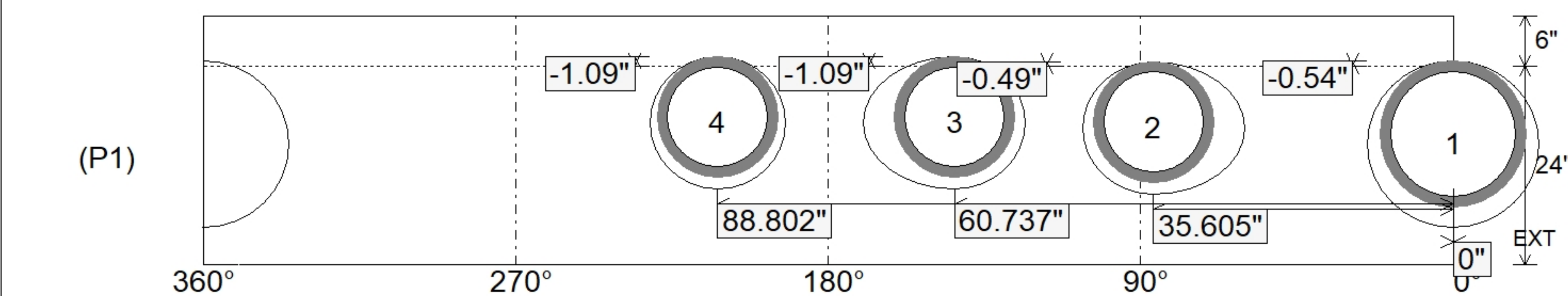
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 18"
Height (Ext): 24"

Weight (Net): 2492 lb
Volume (Net): 0.64cu.yd

Job Name: 26-1310 Lodges of Prospect Ph.2 Job Location: Prospect, KY 40059 Contractor: Trademark Excavating					Plant: 100 7/13/2026 2:31:20 PM		Tech: Jared - A PC: Thomas Ryan																
Structure ID: 4-4 ST-DCB																							
P1		MH048BA24		MH BASE Custom Ht F/n																			
P3) 24" x 36" - CASTING HEIGHT - 4" P2) 48" - MH FLAT TOP SPEC. HT. (6") w/24"x36" Hole F/F - 6" P1) 48" - MH BASE Custom Ht F/n - 24" 1) CASTING - HOE 518 F/G 1) 48" - Conseal CS-102 1.00" 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 20 3) Hole - 16					0 lb 895 lb 2587 lb 354 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- 3836 lb		Structure Notes: PLAN LABEL: 4 1. HOE 518 F/G PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 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.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W. 5. STEEL DIVERSION WEIR PLATE TO BE SUPPLIED BY OTHERS																
Rim: 461.2' Rim to Invert: 2.82' Slack: 0" Sump: 0.16" Step Position:																							
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset													
Invert 1	458.43'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	-0.54"	0"													
Invert 2	458.43'	115°	45.835"	12" HDPE	14.5"	Hole 16	16"	19.624"	-0.49"	-12"													
Invert 3	458.38'	115°	70.579"	12" HDPE	14.5"	Hole 16	16"	19.624"	-1.09"	12"													
Invert 4	458.38'	212°	107.303"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.09"	0"													
Invert 5																							
Invert 6																							
Invert 7																							
Invert 8																							
RIGHT-SIDE UP VIEW (int. dimensions)  UPSIDE-DOWN VIEW (int. dimenions)   INSIDE WALL DIMENSIONS  <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: 5" Floor Height: 6"</td><td colspan="2">Height (Int): 24" Height (Ext): 30"</td><td colspan="3">Weight (Net): 2587 lb Volume (Net): 0.66cu.yd</td></tr>												Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 24" Height (Ext): 30"		Weight (Net): 2587 lb Volume (Net): 0.66cu.yd		
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 5" Floor Height: 6"		Height (Int): 24" Height (Ext): 30"		Weight (Net): 2587 lb Volume (Net): 0.66cu.yd														

Job Name: 26-1310 Lodges of Prospect Ph.2
Job Location: Prospect, KY 40059
Contractor: Trademark Excavating

Plant: 100

7/13/2026 2:34:06 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: 4-4 ST-DCB

P2 MH048LD06SP

MH FLAT TOP SPEC. HT. (6") w/24"x36" Hole F/F

- P3) 24" x 36" - CASTING HEIGHT - 4"
P2) 48" - MH FLAT TOP SPEC. HT. (6") w/24"x36" Hole F/F - 6"
P1) 48" - MH BASE Custom Ht F/n - 24"
1) CASTING - HOE 518 F/G
1) 48" - Conseal CS-102 1.00"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 20
3) Hole - 16

Structure Total:

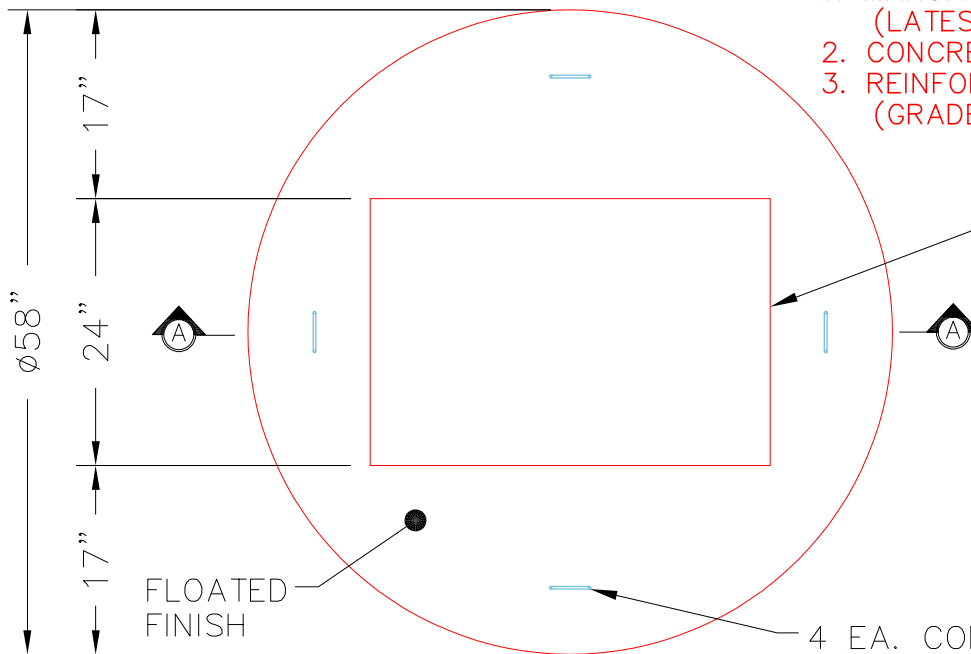
- 0 lb
895 lb
2587 lb
354 lb
0 lb
0 lb
0 lb
0 lb

3836 lb
- Structure Notes:**
PLAN LABEL: 4
1. HOE 518 F/G PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
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..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STEEL DIVERSION WEIR PLATE TO BE SUPPLIED BY OTHERS

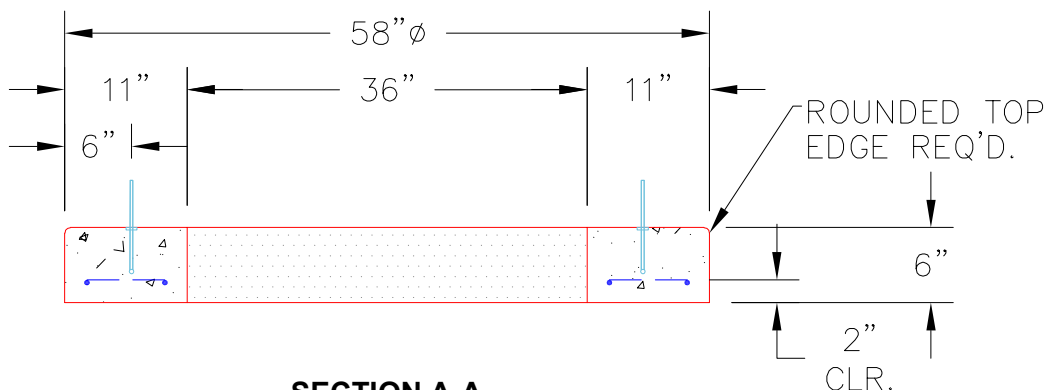
NOTES:

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).

24" X 36" OPENING AS SHOWN.



PLAN VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 5"

Height (Ext): 6"

Weight (Net): 895 lb
Volume (Net): 0.23cu.yd

Job Name: 26-1310 Lodges of Prospect Ph.2
Job Location: Prospect, KY 40059
Contractor: Trademark Excavating

Plant: 100
7/13/2026 2:32:11 PM

Tech: Jared - A
PC: Thomas Ryan



Structure ID: SS-MH 14+13.96

P1 MH048BA24

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
P3) 24" - GRADE RING F/F - 4"
P2) 48" - ECC CONE w/ 24" HOLE F/G - 24"
P1) 48" - MH BASE T/n - 24"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
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
3) MH Step ML-13-NCR - 12"

- 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.

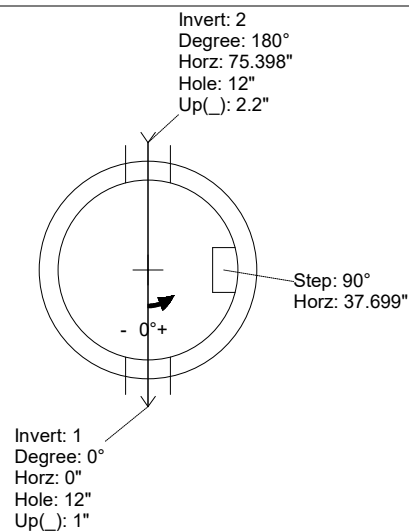
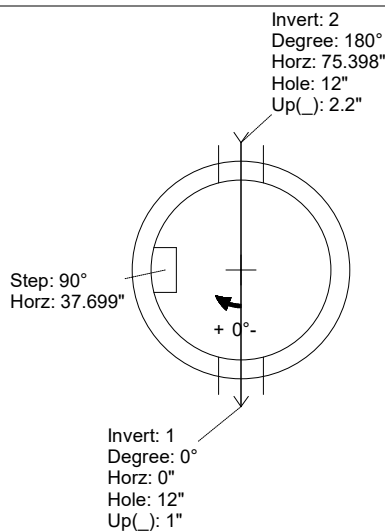
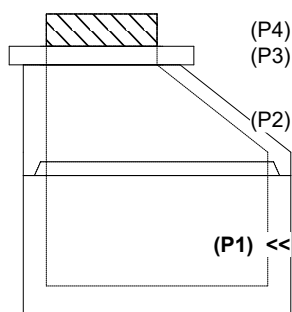
Structure Total: 6527 lb

Rim: 461.18' Rim to Invert: 4.72' Slack: 0.64" Sump: 3" Step Position: 90°

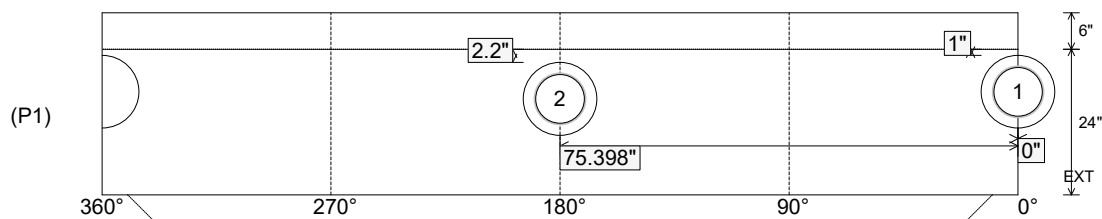
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	456.46'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	456.56'	180°	91.106"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 24"
Height (Ext): 30"

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

Job Name: 26-1310 Lodges of Prospect Ph.2
Job Location: Prospect, KY 40059
Contractor: Trademark Excavating

Plant: 100

7/13/2026 2:32:11 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: SS-MH 14+13.96

P1 MH048BA24

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
P3) 24" - GRADE RING F/F - 4"
P2) 48" - ECC CONE w/ 24" HOLE F/G - 24"
P1) 48" - MH BASE T/n - 24"
1) 48" - MH INVERT CHANNEL - FULL HEIGHT
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
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
3) MH Step ML-13-NCR - 12"

- 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.

0 lb
270 lb
1550 lb
2911 lb
1440 lb
0 lb
0 lb
340 lb
0 lb
0 lb
16 lb
0 lb

Structure Total: 6527 lb

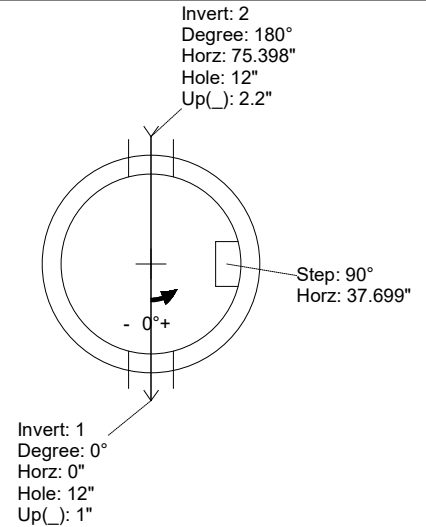
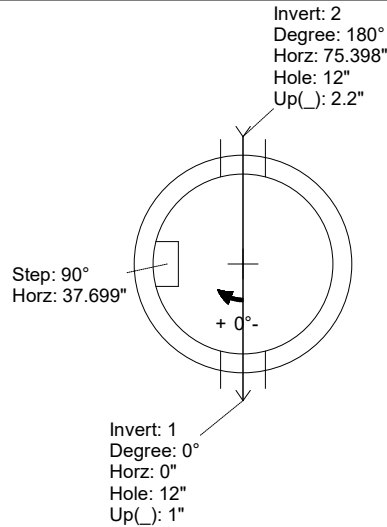
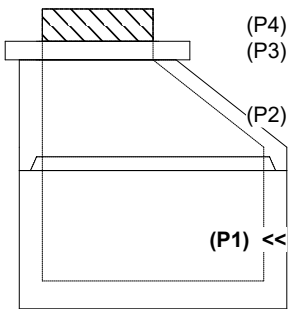
Invert channel drawing
Full height invert

Rim: 461.18' Rim to Invert: 4.72' Slack: 0.64" Sump: 3" Step Position: 90°

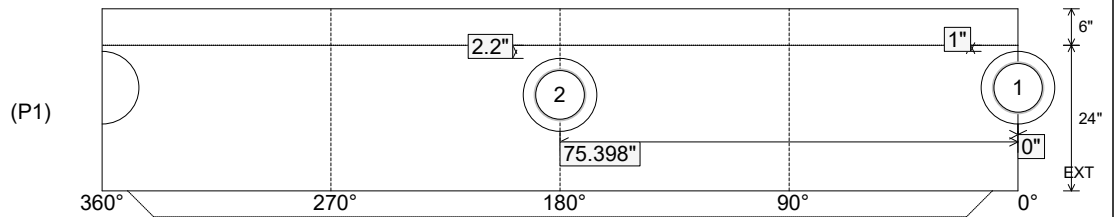
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	456.46'	0°	0"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	456.56'	180°	91.106"	8" PVC SDR26	8.5"	PSX 12-08 NYLO	12"	12.129"	2.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

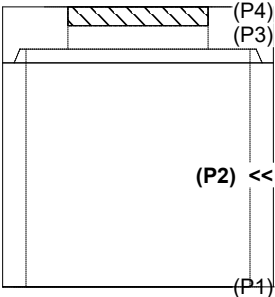
Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 24"
Height (Ext): 30"

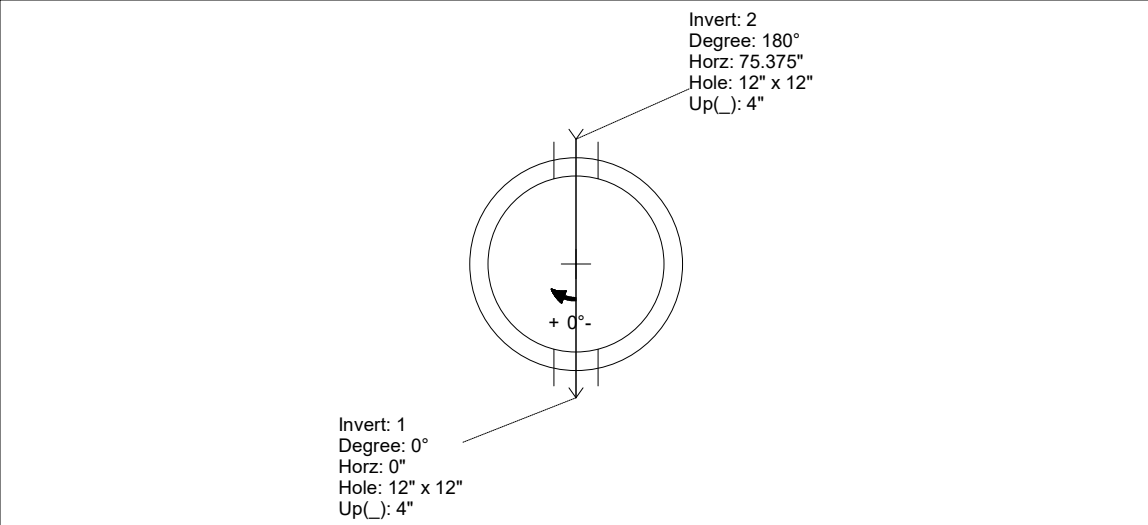
Weight (Net): 2911 lb
Volume (Net): 0.74cu.yd

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:56:55 AM		Tech: Jared - F PC: E. Bradley					
Structure ID: 20+49.85 AR (14)												
P2 MH048DHRS48			MH DH RISER T/F									
P4) 30" x 36" - CASTING (cast in) - 0" P3) 48" - MH FLAT TOP w/30"x36" Hatch F/G - 12" P2) 48" - MH DH RISER T/F - 48" P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) SPECIAL Internal Coating 1) HATCH (Alum.) - HALLIDAY H1W 36"x30" 2) 48" - Conseal CS-102 1.00" (Double) 2) DOGHOUSE - 12"x12"						0 lb 1237 lb 3204 lb 0 lb 0 lb 0 lb 0 lb 235 lb 0 lb 0 lb ----- Structure Total: 4676 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. HATCH BY ICAST (HALLIDAY H1W 30"X36" CAST-IN). 5. INSIDE OF STRUCTURE TO BE SANDBLASTED, THEN A COATING OF TNE MEC 218 TO BE APPLIED, FOLLOWED BY A COATING OF TNE MEC 434, FOLLOWED BY A COATING OF TNE MEC 435. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB #5 BAR AT 6" O.C.E.W - RISER/WALLS (As .12)				
Rim: 608.25'		Rim to Invert: 4.58'		Slack: 0.96"		Sump: 6"		Step Position:				
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset		
Invert 1	603.67'	0°	0"	8" PVC C900	9.05"	DOGHOUSE 12"x12"	12" x 12"	12.129"	4"	0"		
Invert 2	603.67'	180°	91.125"	8" PVC C900	9.05"	DOGHOUSE 12"x12"	12" x 12"	12.129"	4"	0"		
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												



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

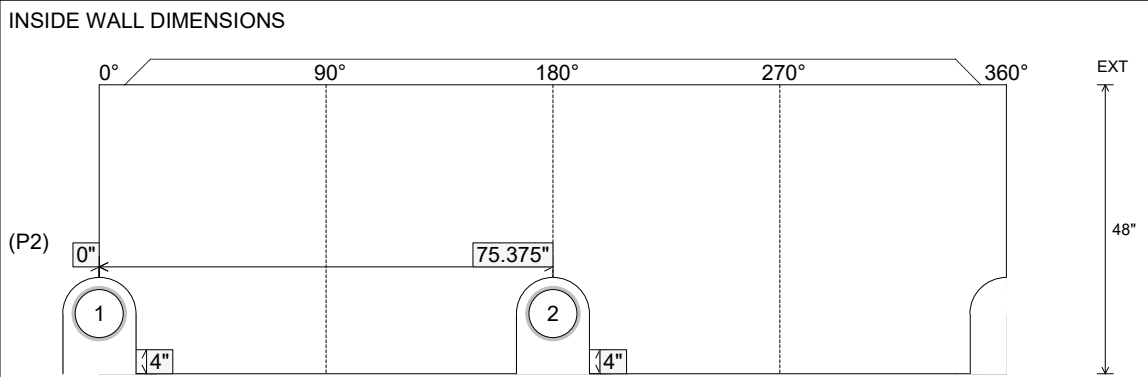
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 12" x 12"
Up(): 4"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 12" x 12"
Up(): 4"

INSIDE WALL DIMENSIONS



0° 90° 180° 270° 360°

(P2)

0" 75.375" 4" 4"

1 2

EXT 48"

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 5" Floor Height: 0"	Height (Int): 48" Height (Ext): 48"	Weight (Net): 3204 lb Volume (Net): 0.82cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320)
Job Location: Independence, KY
Contractor: Eaton Asphalt

Plant: 100

6/30/2026 2:45:59 PM

Tech: Jared - A

PC: J. Jarvis



Structure ID: 603

P1 MH048BAVF

MH BASE Custom Ht

P5) 24" - CASTING HEIGHT - 8"
P4) 48" - ECC CONE w/ 24" HOLE - 36"
P3) 48" - MH RISER - 36"
P2) 48" - MH RISER - 60"
P1) 48" - MH BASE Custom Ht - 70"
1) CASTING - HOE KY-510 F/C (KY TY.2)
3) 48" - Con Seal CS-102 1.00"
3) Hole - 24"
17) MH Step ML-10-TDS-NCR - 10"

0 lb
3000 lb
2515 lb
4192 lb
5629 lb
510 lb
0 lb
0 lb
0 lb
Structure Total: 15845 lb

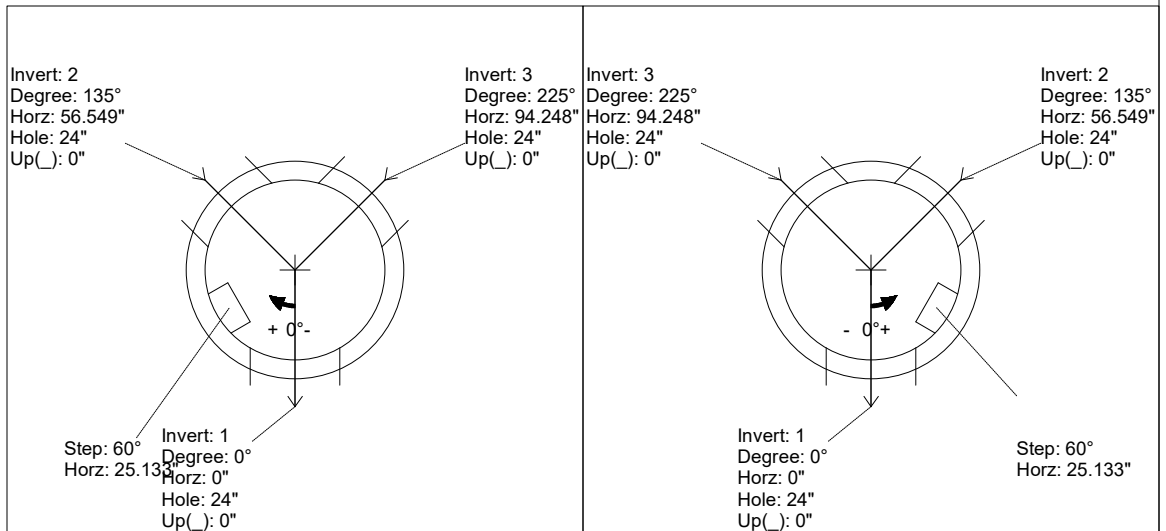
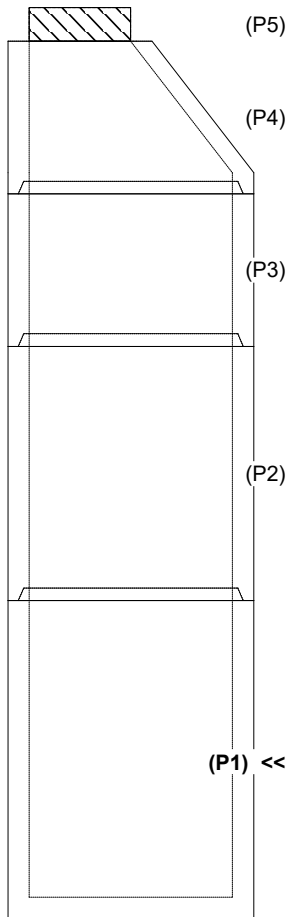
Structure Notes:
KYTC STATE PROJECT
1. HOE KY-510 F/C (KY TY2) PROVIDED BY ICAST.
2. PER KYTC MH A / ASTM C478 SPEC'S.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60.)
- CONE (As .62)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 919.02' Rim to Invert: 17.32' Slack: 0.84" Sump: 3" Step Position: 0°

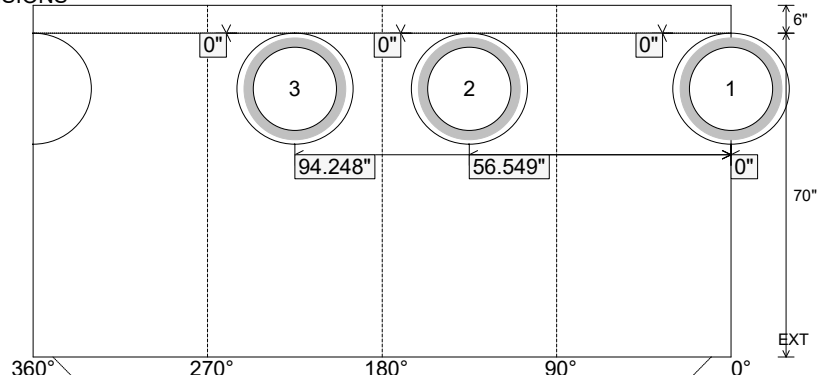
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	901.7'	0°	0"	18" ADS N-12	22"	Hole 24	24"	25.133"	0"	0"
Invert 2	901.7'	135°	68.33"	18" ADS N-12	22"	Hole 24	24"	25.133"	0"	0"
Invert 3	901.7'	225°	113.883"	18" ADS N-12	22"	Hole 24	24"	25.133"	0"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



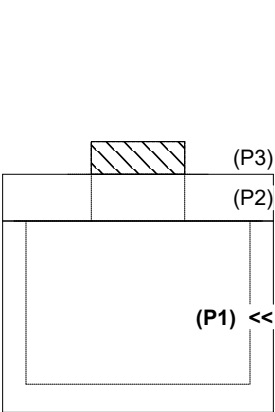
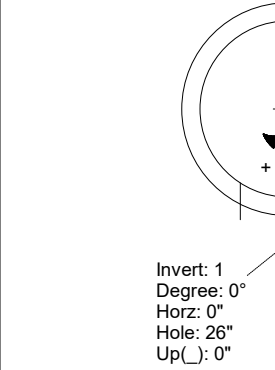
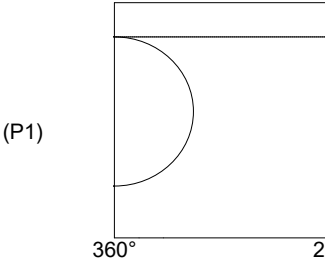
Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

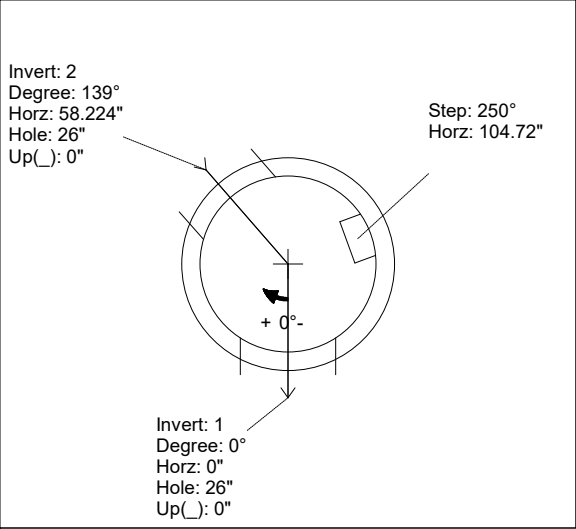
Height (Int): 70"
Height (Ext): 76"

Weight (Net): 5629 lb
Volume (Net): 1.44cu.yd

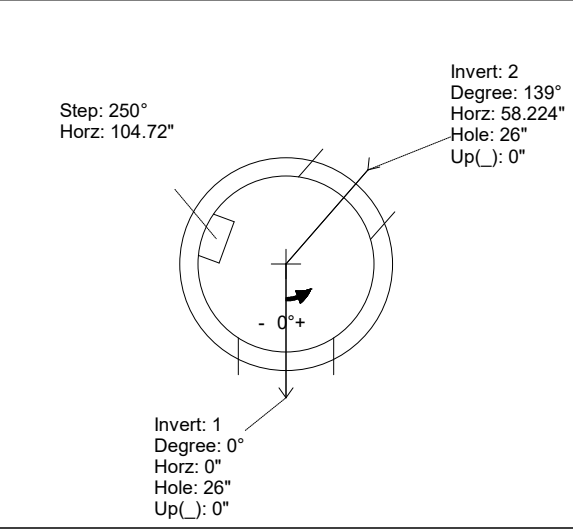
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:27 AM		Tech: S. Felletter PC: Erica Bradley																
Structure ID: R52																							
P1		MH048BAVF																					
P3) 20" x 34" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP - TDOT NO 10 (20"x34" Hole) F/F - 10" P1) 48" - MH BASE Custom Ht F/n - 35" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3123 MODIFIED SET 1) 48" - SGL 1"x14.5' Butyl (2x) 1) Hole - 26					0 lb 1646 lb 3542 lb 1075 lb 250 lb 0 lb 0 lb ----- 6513 lb		Structure Notes: . 1. PER TDOT D-CB-10RA / ASTM C478 SPEC'S. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY ICAST (JBS-3123 MOD SET). REINFORCING PER ASTM A615 (GRADE 60). ** PER TDOT STD DRAWING D-CB-10RA ** - TOP SLAB - DBL MAT #5 BARS. - RISER (As .24) - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.																
Rim: 566.1'					Rim to Invert: 4.13'		Slack: 0.06"		Sump: 2.5"		Step Position:												
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset													
Invert 1	561.97'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"													
Invert 2																							
Invert 3																							
Invert 4																							
Invert 5																							
Invert 6																							
Invert 7																							
Invert 8																							
RIGHT-SIDE UP VIEW (int. dimensions)												UPSIDE-DOWN VIEW (int. dimenions)											
																							
INSIDE WALL DIMENSIONS																							
Coating (Int): Coating (Ext):				Seam Up: Flat Seam Dn: n/a				Wall Thickness: 5" Floor Height: 6"				Height (Int): 35" Height (Ext): 41"				Weight (Net): 3542 lb Volume (Net): 0.9cu.yd							

Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC					Plant: Beaver Dam 6/9/2026 10:37:21 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R39											
P1		MH048BAVF		MH BASE Custom Ht F/n							
P3) 28" x 28" - CASTING HEIGHT - 5" P2) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7" P1) 48" - MH BASE Custom Ht F/n - 40" 1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT 1) CASTING - JBS 3104-V SINGLE SET 1) 48" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 26" 3) MH Step ML-10-TDS-NCR - 10"					0 lb 1091 lb 3658 lb 1075 lb 250 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 6075 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 571.15' Rim to Invert: 4.16' Slack: 0.42" Sump: 2.5" Step Position: 250											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	566.99'	0°	0"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 2	566.99'	139°	70.354"	18" RCP B WALL	23"	Hole 26	26"	27.476"	0"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

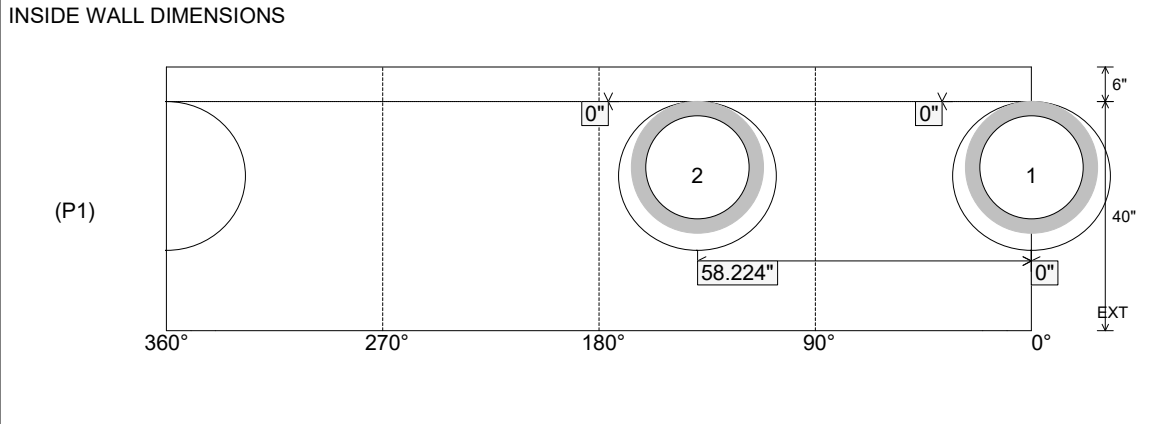
RIGHT-SIDE UP VIEW (int. dimensions)



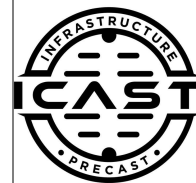
UPSIDE-DOWN VIEW (int. dimensions)



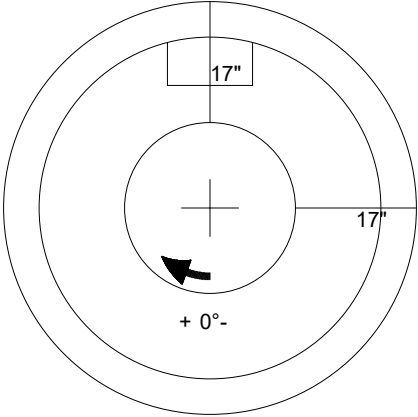
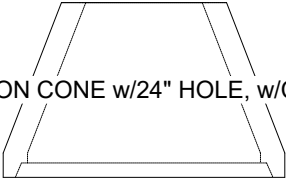
INSIDE WALL DIMENSIONS



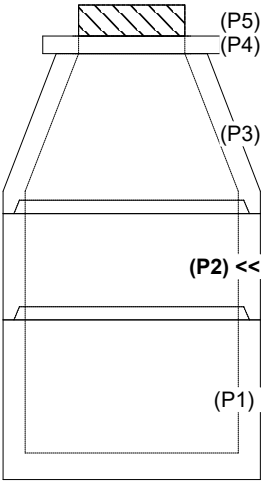
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 40" Height (Ext): 46"	Weight (Net): 3658 lb Volume (Net): 0.93cu.yd
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Weight (Net): 3658 lb
Volume (Net): 0.93cu.yd

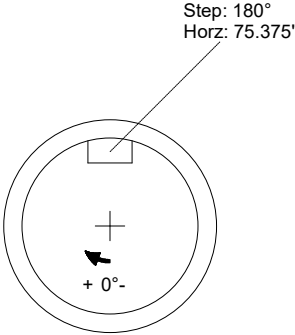
Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1 Job Location: Nashville, TN 37208 Contractor: Hayes Pipe Supply		Plant: 100 6/15/2026 11:40:06 AM	Tech: Jared - F PC: E. Bradley	
Structure ID: PMH4 SS-MH				
P3 MH048CCN36CDARED		CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G		
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 4" P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 24" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) ADMIXTURE CONBLOCK CDA RED 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 7) MH Step ML-10-TDS-NCR - 10"		0 lb 270 lb 2251 lb 1677 lb 3378 lb 0 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 8 lb 0 lb ----- 9024 lb Structure Total:	<u>Structure Notes:</u> . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING SUPPLIED BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
				
48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36" - (P3) 				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 36"	Weight (Net): 2251 lb Volume (Net): 0.57cu.yd

Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1 Job Location: Nashville, TN 37208 Contractor: Hayes Pipe Supply					Plant: 100 6/15/2026 11:40:20 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: PMH4 SS-MH											
P2 MH048RS24CDARED			MH RISER w/ConBlock-CDA Red T/G								
P5) 24" - CASTING HEIGHT - 7" P4) 24" - GRADE RING w/ConBlock-CDA Red F/F - 4" P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36" P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 24" P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) ADMIXTURE CONBLOCK CDA RED 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT 2) 48" - Conseal CS-102 1.00" (Double) 2) 24" - Conseal CS-102 1.00" (Double) 1) PSX - 12-08 NYLO 7) MH Step ML-10-TDS-NCR - 10"					0 lb 270 lb 2251 lb 1677 lb 3378 lb 0 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 8 lb 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. ADMIXTURE = CONBLOCK CDA RED. 4. CASTING SUPPLIED BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 428.6' Rim to Invert: 8.3' Slack: 0.6" Sump: 2" Step Position: 180					Structure Total: 9024 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											



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

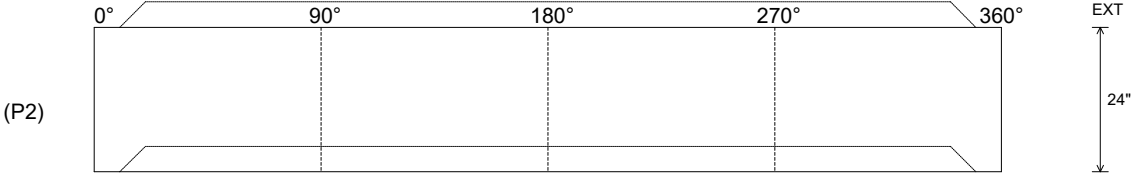
RIGHT-SIDE UP VIEW (int. dimensions)



Step: 180°
Horz: 75.375"

+ 0°-

INSIDE WALL DIMENSIONS

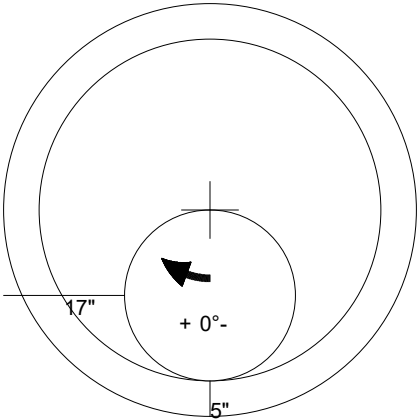
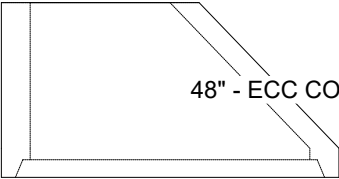


(P2)

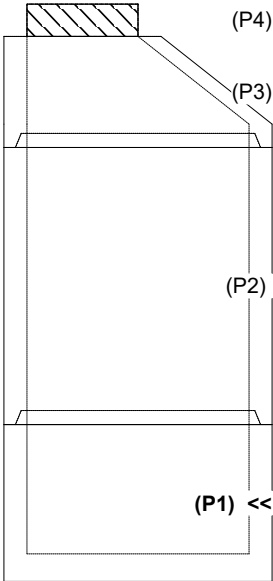
0° 90° 180° 270° 360°

EXT 24"

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 24" Height (Ext): 24"	Weight (Net): 1677 lb Volume (Net): 0.43cu.yd
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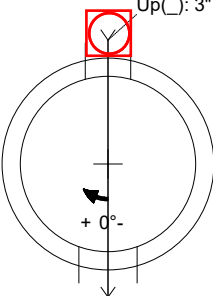
Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC		Plant: 100 6/2/2026 10:56:11 AM	Tech: Jared - F PC: E. Bradley		
Structure ID: A3 (7)					
P3 MH048CN30-S		ECC CONE w/ 24" HOLE F/G			
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 30" P2) 48" - MH RISER T/G - 24" P1) 48" - MH BASE Custom Ht T/n - 57" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 16M DD 1) Drop Tee - 12" PVC 1) Drop Elbow - 12" PVC		0 lb 2050 lb 1677 lb 5122 lb 1440 lb 0 lb 0 lb 8 lb 0 lb 0 lb ----- Structure Total: 10297 lb	Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. EXTERIOR DROP ASSEMBLY PROVIDED BY ICAST. 6. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.		
					
 48" - ECC CONE w/ 24" HOLE F/G - 30" - (P3)					
Coating (Int): Coating (Ext):		Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 30"	Weight (Net): 2050 lb Volume (Net): 0.41cu.yd

Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:54:39 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A7 (11)											
P1 MH048BAVF-D		MH BASE Custom Ht T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE Custom Ht T/n - 28" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 16M DD 1) Drop Tee - 12" PVC 1) Drop Elbow - 12" PVC					0 lb 1550 lb 4140 lb 3149 lb 1440 lb 0 lb 0 lb 8 lb 0 lb 0 lb 0 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. EXTERIOR DROP ASSEMBLY PROVIDED BY ICAST. 6. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 556.7' Rim to Invert: 9.81' Slack: 0.72' Sump: 2" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	546.89'	0°	0"	12" DI	13"	PSX 16M DD	16"	16.312"	0"	0"	
Invert 2											
Invert 3	546.99'	180°	91.125"	12" PVC SDR35	12.5"	Drop Elbow 12" PVC	12.5"	12.646"	3"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



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

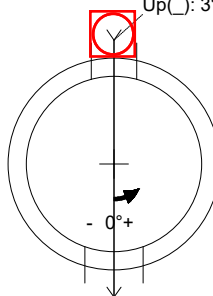
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 3
Degree: 180°
Horz: 75.375"
Hole: 12.5"
Up(_): 3"

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

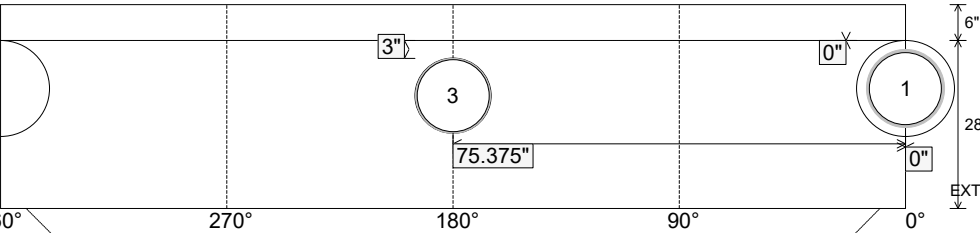
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 3
Degree: 180°
Horz: 75.375"
Hole: 12.5"
Up(_): 3"

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

INSIDE WALL DIMENSIONS



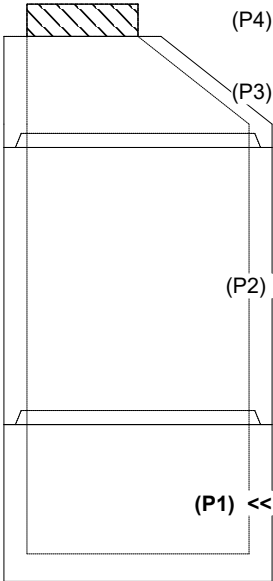
(P1)

360° 270° 180° 90° 0°

3" 0" 75.375" 0" 28" 6" EXT

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): 3149 lb Volume (Net): 0.8cu.yd
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Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC				Plant: 100 6/2/2026 10:54:39 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A7 (11)										
P1 MH048BAVF-D				MH BASE Custom Ht T/n						
P4) 24" - CASTING HEIGHT - 7" P3) 48" - ECC CONE w/ 24" HOLE F/G - 24" P2) 48" - MH RISER T/G - 60" P1) 48" - MH BASE Custom Ht T/n - 28" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 2) 48" - Conseal CS-102 1.00" (Double) 1) PSX - 16M DD 1) Drop Tee - 12" PVC 1) Drop Elbow - 12" PVC				0 lb 1550 lb 4140 lb 3149 lb 1440 lb 0 lb 0 lb 8 lb 0 lb 0 lb ----- 10286 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. EXTERIOR DROP ASSEMBLY PROVIDED BY ICAST. 6. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. . REINFORCING PER ASTM A615 (GRADE 60). - CONE (As .12) - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 556.7' Rim to Invert: 9.81' Slack: 0.72' Sump: 2' Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	546.89'	0°	0"	12" DI	13"	PSX 16M DD	16"	16.312"	0"	0"
Invert 2										
Invert 3	546.99'	180°	91.125"	12" PVC SDR35	12.5"	Drop Elbow 12" PVC	12.5"	12.646"	3"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



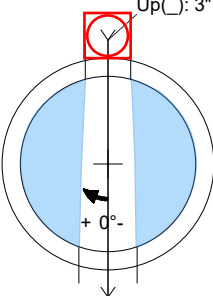
(P4)

(P3)

(P2)

(P1) <<

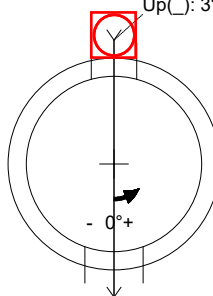
Invert: 3
Degree: 180°
Horz: 75.375"
Hole: 12.5"
Up(_): 3"



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

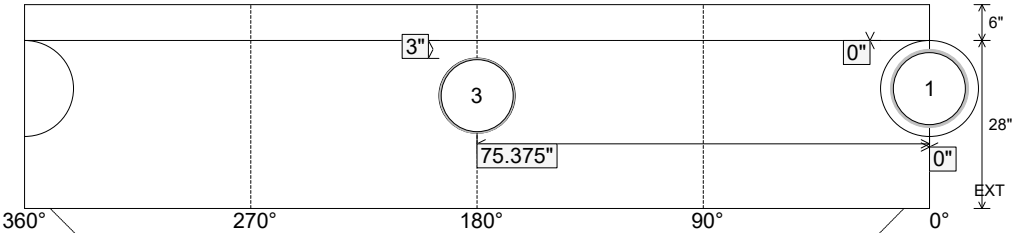
FOR INVERT ONLY

Invert: 3
Degree: 180°
Horz: 75.375"
Hole: 12.5"
Up(_): 3"



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

INSIDE WALL DIMENSIONS



(P1)

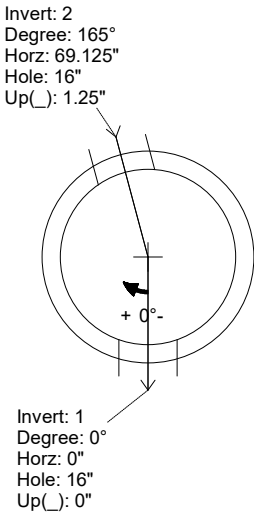
360° 270° 180° 90° 0°

6" 28"

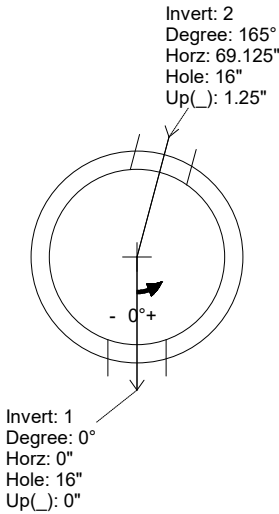
EXT

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): 3149 lb Volume (Net): 0.8cu.yd
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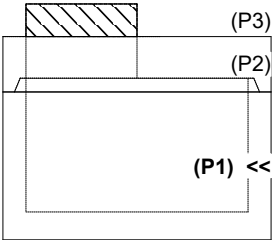
Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC					Plant: 100 6/2/2026 10:54:39 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A6 (10)											
P1 MH048BAVF		MH BASE Custom Ht T/n									
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 26" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16M DD					0 lb 1561 lb 2975 lb 1440 lb 0 lb 0 lb 16 lb ----- Structure Total: 5992 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 550.23' Rim to Invert: 3.62' Slack: 0.44" Sump: 2" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	546.61'	0°	0"	12" PVC SDR35	12.5"	PSX 16M DD	16"	16.312"	0"	0"	
Invert 2	546.71'	165°	83.5"	12" DI	13"	PSX 16M DD	16"	16.312"	1.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



RIGHT-SIDE UP VIEW (int. dimensions)

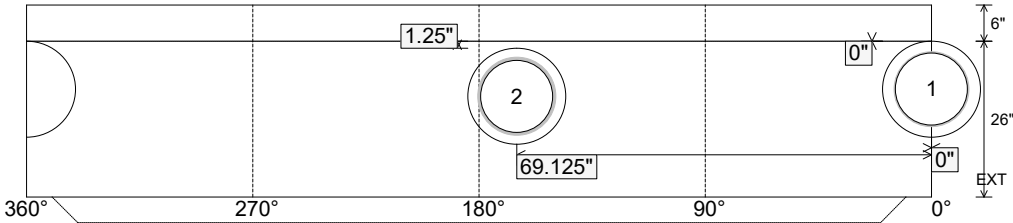


UPSIDE-DOWN VIEW (int. dimensions)



P1 <<

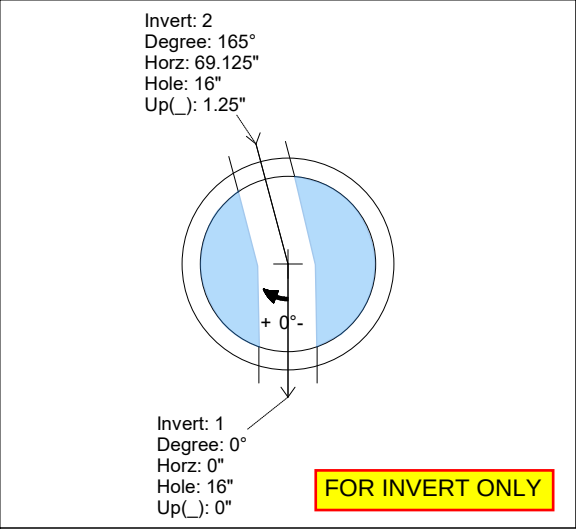
INSIDE WALL DIMENSIONS

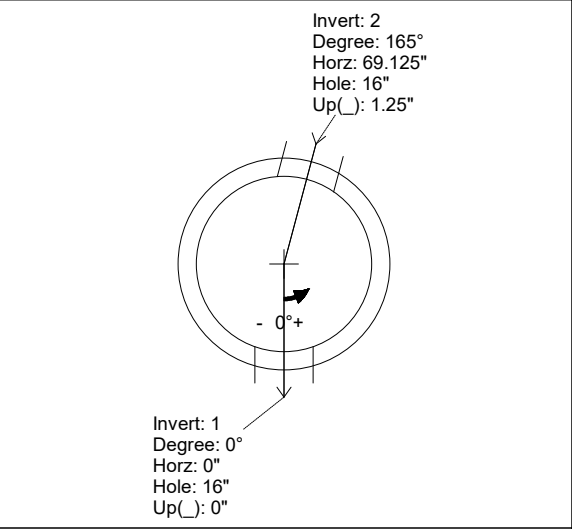


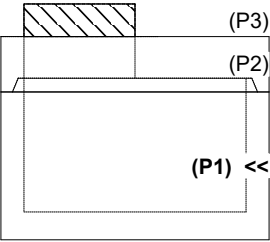
(P1)

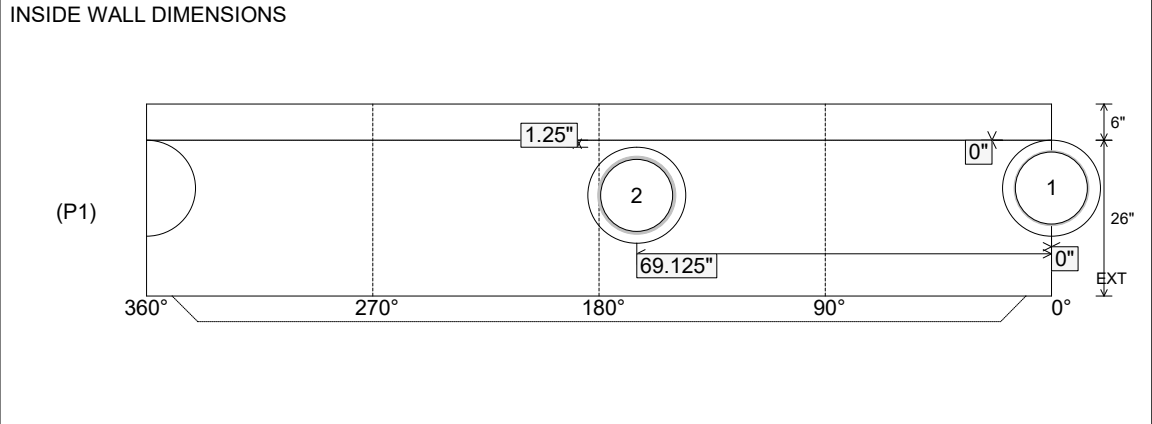
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 26" Height (Ext): 32"	Weight (Net): 2975 lb Volume (Net): 0.76cu.yd
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Job Name: 26-1066 - Gunning Pump Station & Force Main Job Location: Bardstown, KY Contractor: Connhurst, LLC				Plant: 100 6/2/2026 10:54:39 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A6 (10)										
P1 MH048BAVF				MH BASE Custom Ht T/n						
P3) 24" - CASTING HEIGHT - 7" P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12" P1) 48" - MH BASE Custom Ht T/n - 26" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) JOINT WRAP - 12" WD x 048" MAC WRAP 1) 48" - Conseal CS-102 1.00" (Double) 2) PSX - 16M DD					0 lb 1561 lb 2975 lb 1440 lb 0 lb 0 lb 16 lb ----- Structure Total: 5992 lb		Structure Notes: . 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS. 4. CASTING SUPPLIED BY OTHERS. 5. ALL PIPE CONNECTORS TO INCLUDE DOUBLE PIPE BANDS. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING. - RISER/WALLS (As .12) - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 550.23' Rim to Invert: 3.62' Slack: 0.44" Sump: 2" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	546.61'	0°	0"	12" PVC SDR35	12.5"	PSX 16M DD	16"	16.312"	0"	0"
Invert 2	546.71'	165°	83.5"	12" DI	13"	PSX 16M DD	16"	16.312"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										









Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 26" Height (Ext): 32"	Weight (Net): 2975 lb Volume (Net): 0.76cu.yd
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Job Name: 26-2877 839248 Aloft
Job Location: Paducah, KY
Contractor: Contech Engineering Solutions

Plant: Beaver Dam

7/1/2026 10:02:35 AM

Tech: S. Felletter

PC: C. Goff



Structure ID: 25-CS-5

P3 MH060LD13-30ECC

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

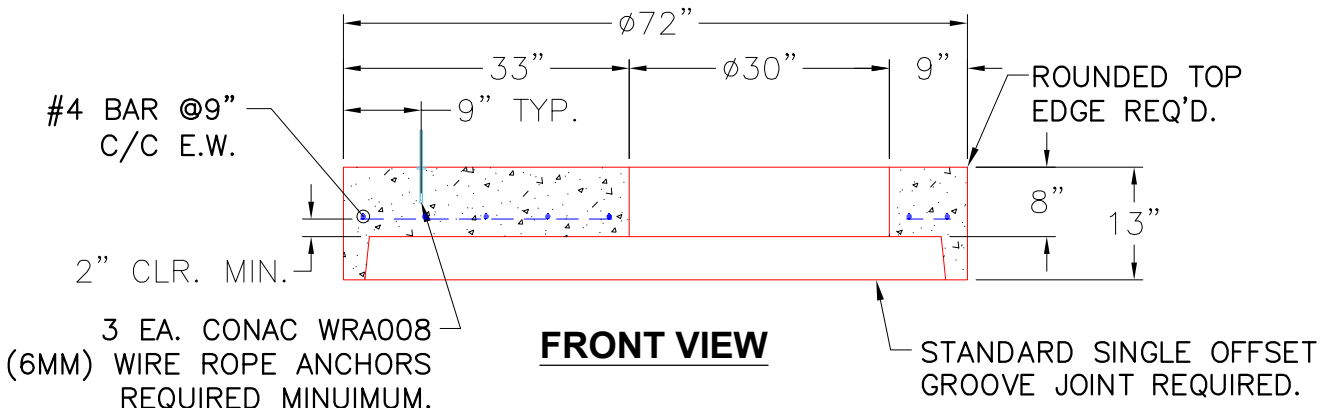
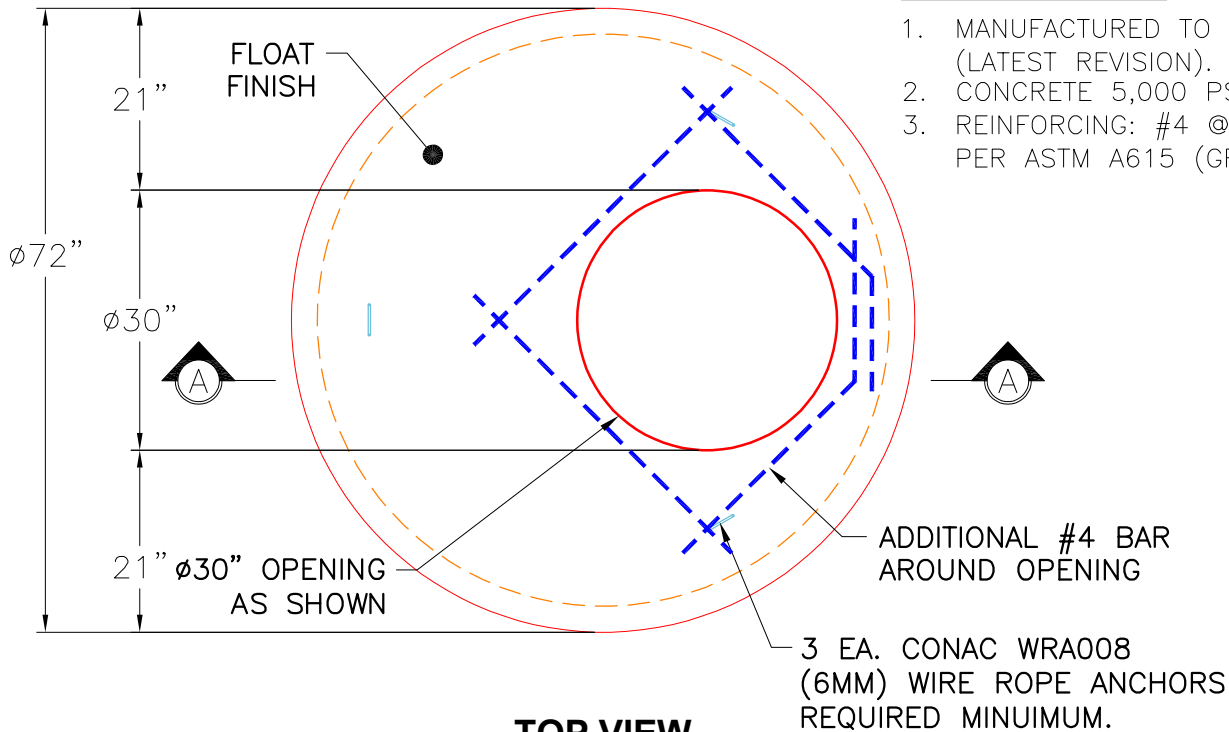
P4) 30" - CASTING HEIGHT - 4"
P3) 60" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 13"
P2) 60" - MH RISER SPECIAL T/G - 72"
P1) 60" - MH BASE T/n - 18"
1) ASSEMBLY REQUIRED
1) CVSTENCILING
2) 60" - Conseal CS-102 1.00"
2) Hole - 36

0 lb
2589 lb
6430 lb
4612 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 13631 lb

Structure Notes:
4" CASTING BY OTHERS
LIFTING ANCHORS TO BE INSTALLED
ON THE OUTSIDE OF THE STRUCTURE
ICAST 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: 26-2877 839248 Aloft

Job Location: Paducah, KY

Contractor: Contech Engineering Solutions

Plant: Beaver Dam

7/1/2026 10:02:44 AM

Tech: S. Felletter

PC: C. Goff

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 25-CS-5

P2 MH060RS72S

MH RISER SPECIAL T/G

P4) 30" - CASTING HEIGHT - 4"

P3) 60" - MH FLAT TOP SPEC. (30" ECC HOLE) F/G - 13"

P2) 60" - MH RISER SPECIAL T/G - 72"

P1) 60" - MH BASE T/n - 18"

1) ASSEMBLY REQUIRED

1) CVSTENCILING

2) 60" - Conseal CS-102 1.00"

2) Hole - 36

0 lb

2589 lb

6430 lb

4612 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 13631 lb

Structure Notes:

4" CASTING BY OTHERS

LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE

ICAST TO INSTALL THE INTERNALS

CONTECH'S LOGO AS WELL AS THE INLET AND OUTLET MUST BE STENCILED ONTO THE STRUCTURE

Rim: 335.66'

Rim to Invert: 4.06'

Slack: -0.164"

Sump: 58.116"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	331.6'	270°	169.646"	24" RCP B WALL	30"	Hole 36	36"	38.61"	29.366"	0"
Invert 2	331.6'	90°	56.549"	24" RCP B WALL	30"	Hole 36	36"	38.61"	29.366"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P4)

(P3)

(P2) <<

(P1)

Invert: 2

Degree: 90°

Horz: 47.124"

Hole: 36"

Up(): 29.366"

Invert: 1

Degree: 270°

Horz: 141.372"

Hole: 36"

Up(): 29.366"

INSIDE WALL DIMENSIONS

0°

47.124"

0°

180°

141.372"

0°

360°

2

1

29.366"

29.366"

EXT

72"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 72"

Height (Ext): 72"

Weight (Net): 6430 lb

Volume (Net): 1.64cu.yd

Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1
Job Location: Nashville, TN 37208
Contractor: Hayes Pipe Supply

Plant: 100

6/15/2026 11:00:21 AM

Tech: Jared - F
PC: E. Bradley



Structure ID: A4 ST-DCI

P2 MH060LD08S

MH FLAT TOP w/(2) 28"x28" Holes F/F

P3) 28" x 28" - CASTING HEIGHT - 7.50"
P2) 60" - MH FLAT TOP w/(2) 28"x28" Holes F/F - 8"
P1) 60" - MH BASE Custom Ht F/n - 32"
1) 60" - Conseal CS-102 1.00"
1) 28" x 28" - Conseal CS-102 1.00"
1) Hole - 40 x 28
1) Hole - 26

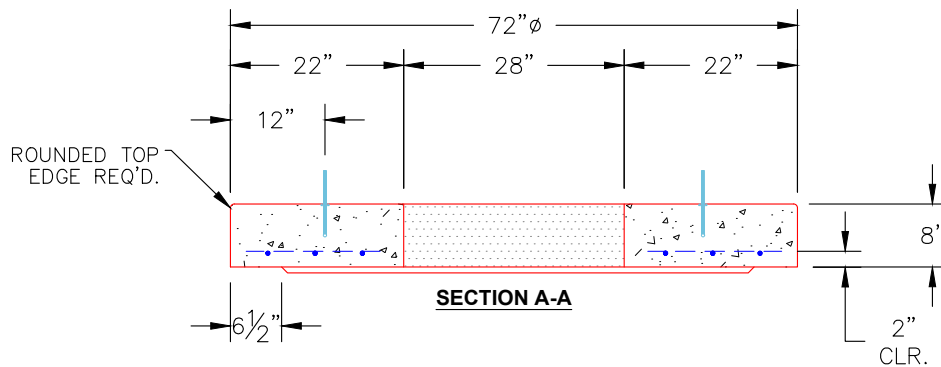
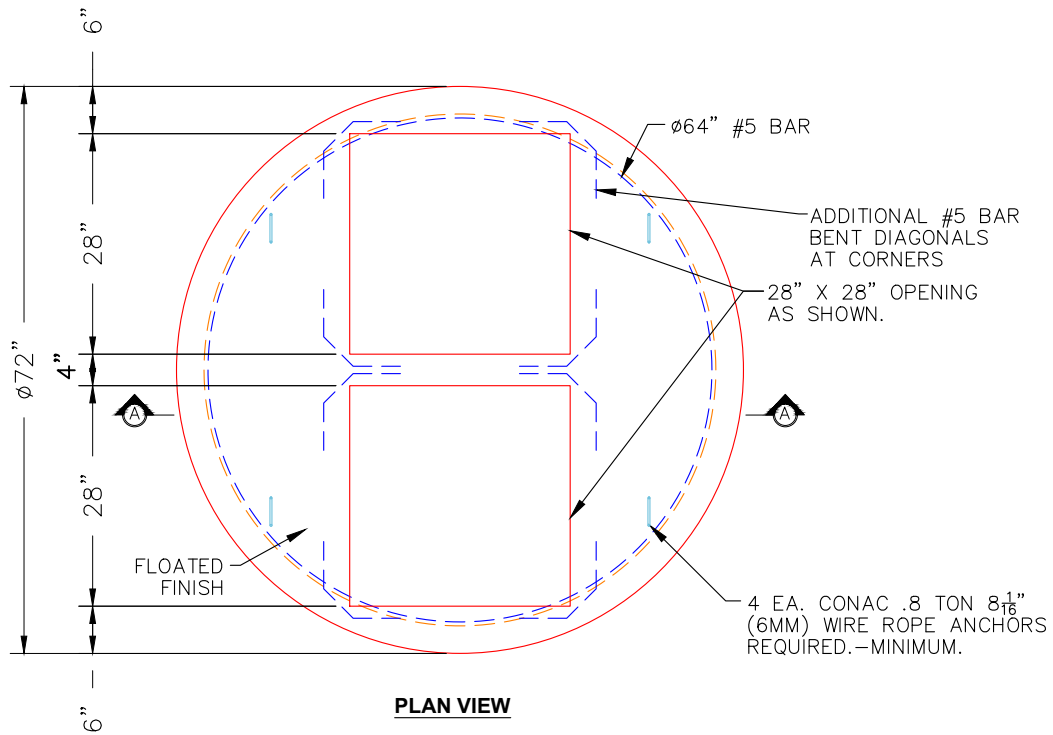
0 lb
1680 lb
5134 lb
0 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 6814 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING SUPPLIED BY OTHERS (JBS 3300 F/G/H - DOUBLE CURB INLET).

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" O.C. E.W. (GRADE 60).

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 8"

Weight (Net): 1680 lb
Volume (Net): 0.43cu.yd

Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1 Job Location: Nashville, TN 37208 Contractor: Hayes Pipe Supply					Plant: 100		Tech: Jared - F			
					6/15/2026 10:58:52 AM		PC: E. Bradley			
Structure ID: A2 ST-CI										
P1 MH060BAVF			MH BASE Custom Ht F/n							
P3) 28" x 28" - CASTING HEIGHT - 7.50" P2) 60" - MH FLAT TOP w/28"x28" Hole F/F - 6" P1) 60" - MH BASE Custom Ht F/n - 32" 1) 60" - Conseal CS-102 1.00" 1) 28" x 28" - Conseal CS-102 1.00" 2) Hole - 40 x 28 2) MH Step ML-10-TDS-NCR - 10"					0 lb 1656 lb 5119 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 6775 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING SUPPLIED BY OTHERS (JBS 3300 F/G/H - SINGLE CURB INLET) . 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: 421.7' Rim to Invert: 3.5' Slack: 0.125" Sump: 3.625" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	418.2'	0°	0"	30" x 19" ELL RCP	37.25" x 26.25"	Hole 40 x 28	40" x 28"	43.784"	0"	0"
Invert 2	418.2'	198°	124.375"	30" x 19" ELL RCP	37.25" x 26.25"	Hole 40 x 28	40" x 28"	43.784"	0"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

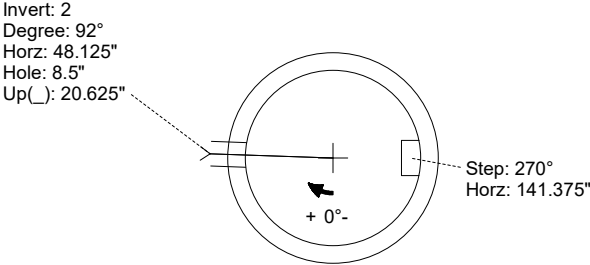
UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

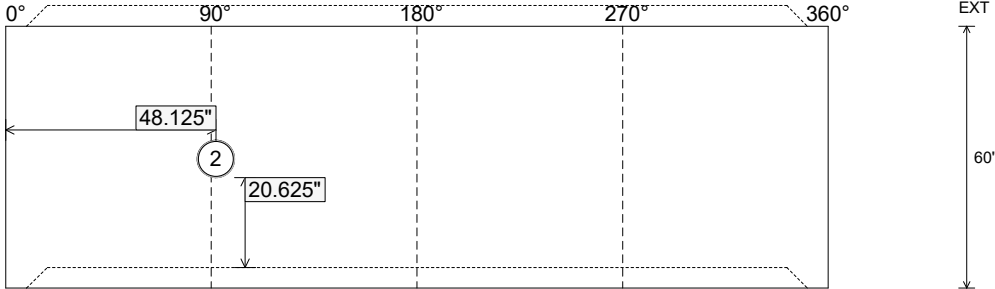
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 8"	Height (Int): 32" Height (Ext): 40"	Weight (Net): 5119 lb Volume (Net): 1.31cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 3/26/2026 2:15:14 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301560											
P2 MH060R60		MH RISER w/DROP T/G									
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 36" P3) 60" - MH Transition Slab 48" Hole T/G - 15" P2) 60" - MH RISER w/DROP T/G - 60" P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 62" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 16) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 6235 lb 11601 lb 2692 lb 3096 lb 2580 lb 0 lb 0 lb 2 lb 0 lb 0 lb 0 lb 0 lb ----- 33177 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: PER ASTM A615 4. STEPS AT 270 DEGREES 5. 7" CASTING SUPPLIED BY OTHERS 6. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST				
Rim: 760.06' Rim to Invert: 17.98' Slack: 2.76" Sump: 3" Step Position: 270°					FIRST POUR (RISER): 6,235 LBS SECOND POUR (DROP): 2,580 LBS						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1											
Invert 2	749.13'	92°	57.75"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.529"	20.625"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



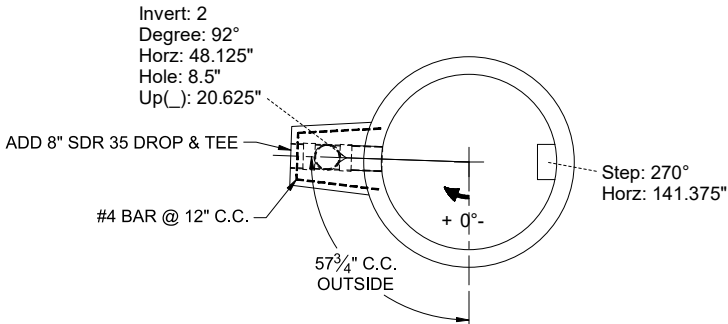
INSIDE WALL DIMENSIONS



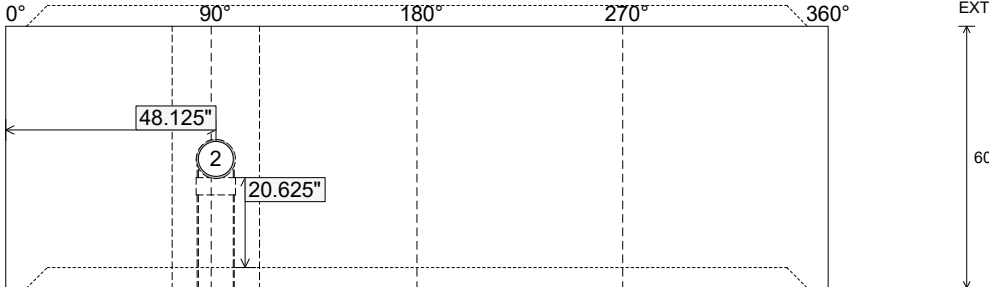
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 6" Floor Height: 0"	Height (Int): 60" Height (Ext): 60"	Weight (Net): 6235 lb Volume (Net): 1.59cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting				Plant: 100 3/26/2026 2:15:14 PM		Tech: J. Horsley - A PC: Celina Goff				
Structure ID: 2301560										
P2 MH060R60		MH RISER w/DROP T/G								
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 36" P3) 60" - MH Transition Slab 48" Hole T/G - 15" P2) 60" - MH RISER w/DROP T/G - 60" P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 62" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 16) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 6235 lb 11601 lb 2692 lb 3096 lb 2580 lb 0 lb 0 lb 2 lb 0 lb 0 lb 0 lb 0 lb ----- 33177 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. EXTERIOR DROP REINFORCEMENT: DRILL & STUB #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. STEPS AT 270 DEGREES 5. 7" CASTING SUPPLIED BY OTHERS 6. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST 7. ADD 8" SDR 35 DROP & TEE AT INVERT 2 (92°)			
Rim: 760.06' Rim to Invert: 17.98' Slack: 2.76" Sump: 3" Step Position: 270°					FIRST POUR (RISER): 6,235 LBS SECOND POUR (DROP): 2,580 LBS					
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1										
Invert 2	749.13'	92°	57.75"	8" PVC SDR35	8.5"	Drop Tee 8" PVC	8.5"	8.529"	20.625"	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): 60" Height (Ext): 60"	Weight (Net): 6235 lb Volume (Net): 1.59cu.yd
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Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion

Job Location: Shepherdsville, KY

Contractor: Pace Contracting, LLC

Plant: 100

5/29/2026 3:21:15 PM

Tech: Jared - F

PC: J Jarvis

Structure ID: MH-14

P1 MH084BA96

MH BASE T/n

P4) 24" - CASTING HEIGHT - 7"

P3) 84" - MH FLAT TOP w/24" ECC Hole F/G - 17"

P2) 84" - MH RISER Custom Ht T/G - 15"

P1) 84" - MH BASE T/n - 96"

1) Chimney Seal - Cretex Chimney Seal

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

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

1) 84" - MH INVERT CHANNEL - FULL HEIGHT

1) CASTING - HOE MC-375-WT F/C Sanitary

2) 84" - Conseal CS-102 1.00" (Double)

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

2) Kor-N-Seal2 - S206-42

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

0 lb

7959 lb

2910 lb

21965 lb

10 lb

0 lb

0 lb

5422 lb

271 lb

0 lb

0 lb

13 lb

0 lb

Structure Total: 38550 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY).

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.

- RISER/WALLS (As .12)

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

Rim: 442'

Rim to Invert: 11'

Slack: 0"

Sump: 3"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	431'	0°	0"	36" DI	38.5"	Kor-N-Seal2 S206-42	42"	43.982"	0"	0"
Invert 2	435.08'	180°	157.125"	36" DI	38.5"	Kor-N-Seal2 S206-42	42"	43.982"	49"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 96"

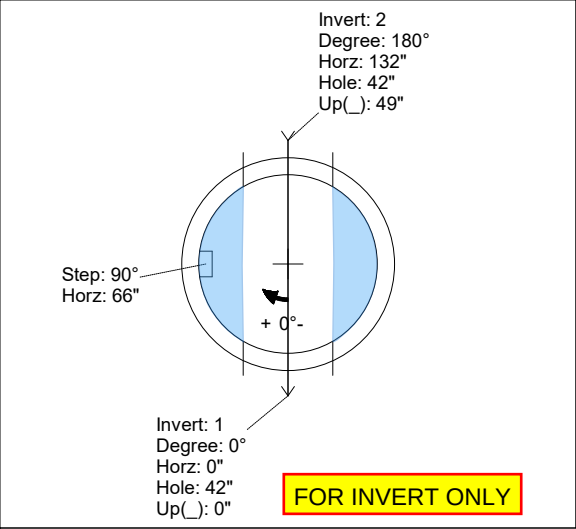
Height (Ext): 104"

Weight (Net): 21965 lb

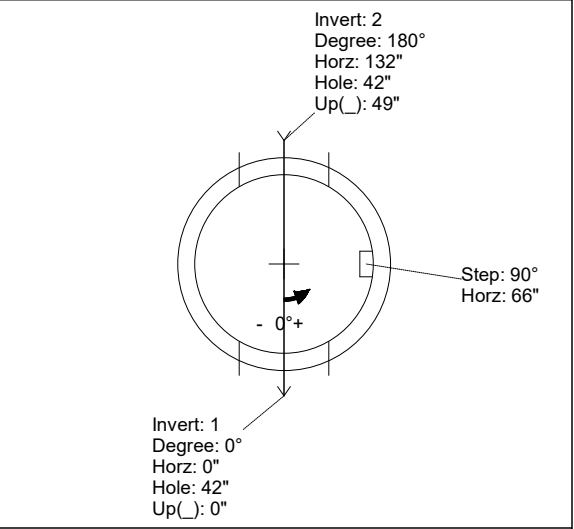
Volume (Net): 5.61cu.yd

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion Job Location: Shepherdsville, KY Contractor: Pace Contracting, LLC					Plant: 100 5/29/2026 3:21:15 PM		Tech: Jared - F PC: J Jarvis				
Structure ID: MH-14											
P1 MH084BA96		MH BASE T/n									
P4) 24" - CASTING HEIGHT - 7" P3) 84" - MH FLAT TOP w/24" ECC Hole F/G - 17" P2) 84" - MH RISER Custom Ht T/G - 15" P1) 84" - MH BASE T/n - 96" 1) Chimney Seal - Cretex Chimney Seal 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 84" - MH INVERT CHANNEL - FULL HEIGHT 1) CASTING - HOE MC-375-WT F/C Sanitary 2) 84" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-42 8) MH Step ML-10-TDS-NCR - 10"						0 lb 7959 lb 2910 lb 21965 lb 10 lb 0 lb 0 lb 5422 lb 271 lb 0 lb 0 lb 13 lb 0 lb ----- Structure Total: 38550 lb		Structure Notes: 1. PER ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY I-CAST (HOE MC-375-WT F/C SANITARY). REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W. - RISER/WALLS (As .12) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.			
Rim: 442'		Rim to Invert: 11'		Slack: 0"		Sump: 3"		Step Position: 90°			
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector		Hole	Horz Size	Up ()	Offset
Invert 1	431'	0°	0"	36" DI	38.5"	Kor-N-Seal2 S206-42		42"	43.982"	0"	0"
Invert 2	435.08'	180°	157.125"	36" DI	38.5"	Kor-N-Seal2 S206-42		42"	43.982"	49"	0"
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

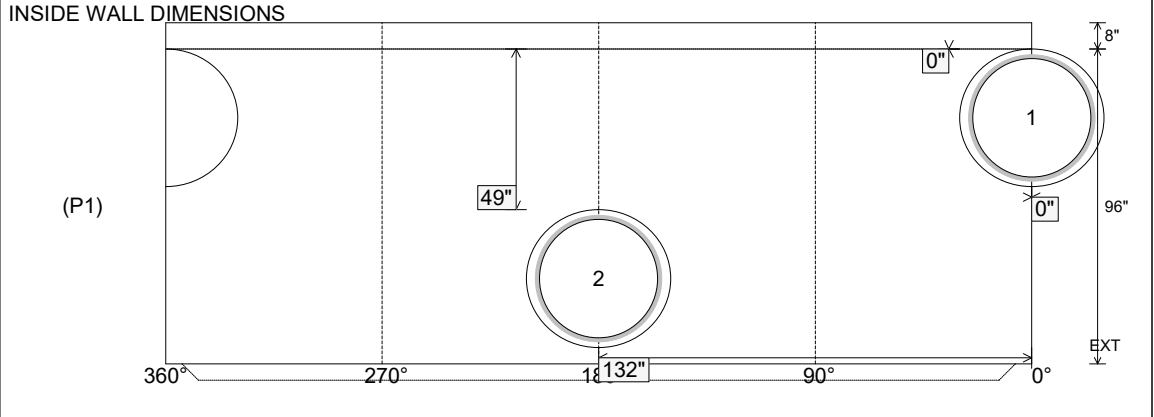
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 8"	Height (Int): 96"	Weight (Net): 21965 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 8"	Height (Ext): 104"	Volume (Net): 5.61cu.yd

Job Name: 25-3187 - Carter Caves WTP Upgrades Ph 3
Job Location: Olive Hill, KY
Contractor: Walker Principles

Plant: 100

Tech: J. Horsley

7/6/2026 11:03:07 AM

PC: E. Bradley



Structure ID: RAS/WAS WW

P1 MH096SB12

MH SEPARATE BASE-T EXT. 14" (142" OD)

- P5) 96" - MH FLAT TOP w/36"x54" Hatch - 17"
P4) 96" - MH RISER Custom Ht - 88"
P3) 96" - MH RISER - 96"
P2) 96" - MH RISER - 96"
P1) 96" - MH SEPARATE BASE-T EXT. 14" (142" OD) - 12"
4) JOINT WRAP - 12" WD x 096" MAC WRAP
1) HATCH (Alum.) - HALLIDAY W1S 36"x54"
4) 96" - Conseal CS-231 1.00" (Double)
1) A-Lok - 0150
2) Quik-Lok - QL-04-C
5) A-Lok - 0225

8969 lb
21734 lb
23881 lb
23881 lb
19580 lb
0 lb
107 lb
0 lb
1 lb
2 lb
5 lb

Structure Total: 98160 lb

Structure Notes:

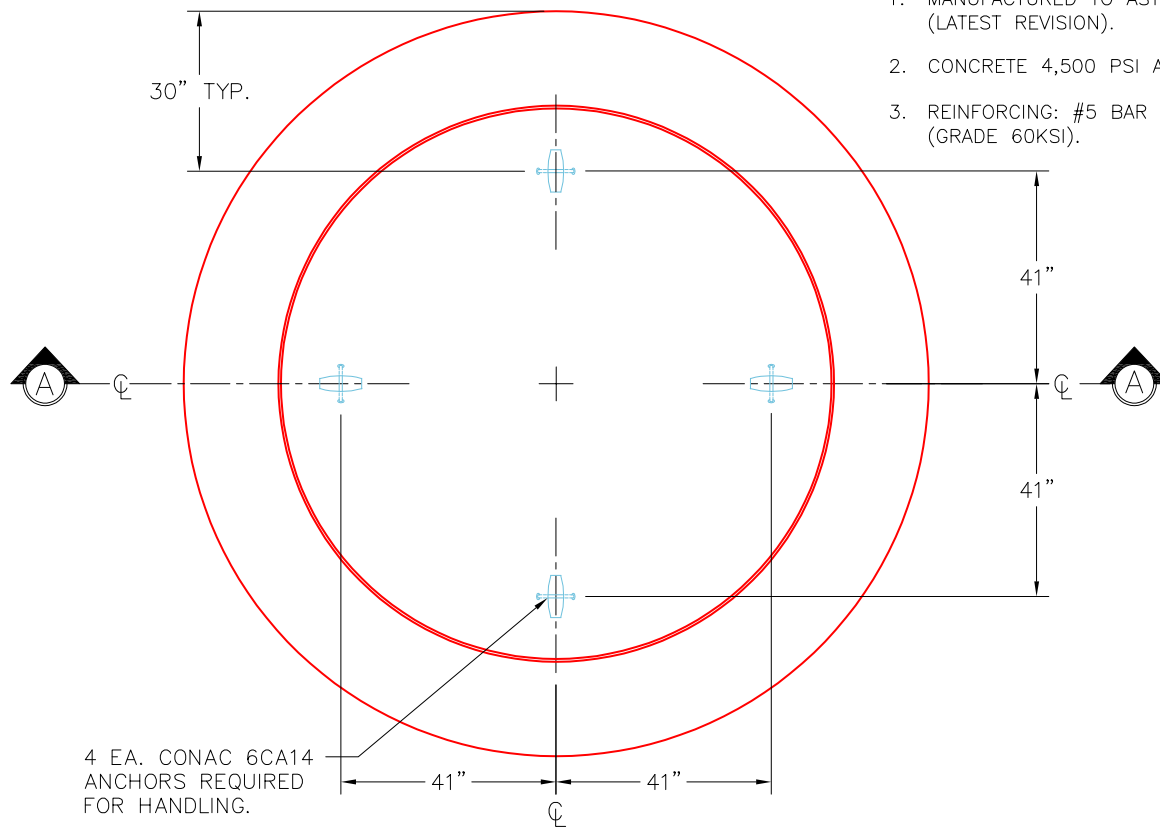
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. NO STEPS / NO INVERT CHANNEL.
4. HATCH BY ICAST (HALLIDAY W1S 36"x54")

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .24)
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

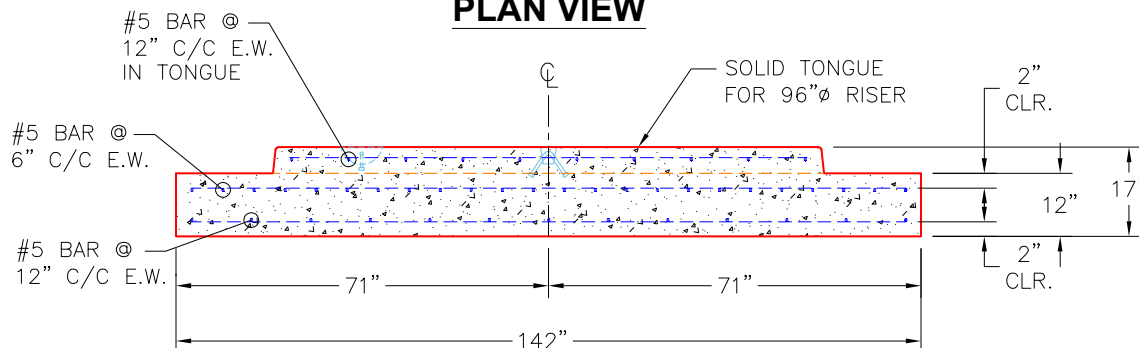
Rim: 890.5' Rim to Invert: 18.4' Slack: 0.6" Sump: 76.8" Step Position:

GENERAL NOTES.

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 4,500 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR AS SHOWN (GRADE 60KSI).



PLAN VIEW



SECTION A-A

Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 9"
Floor Height: 12"

Height (Int): 0"
Height (Ext): 0"

Weight (Net): 19580 lb
Volume (Net): 5cu.yd

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

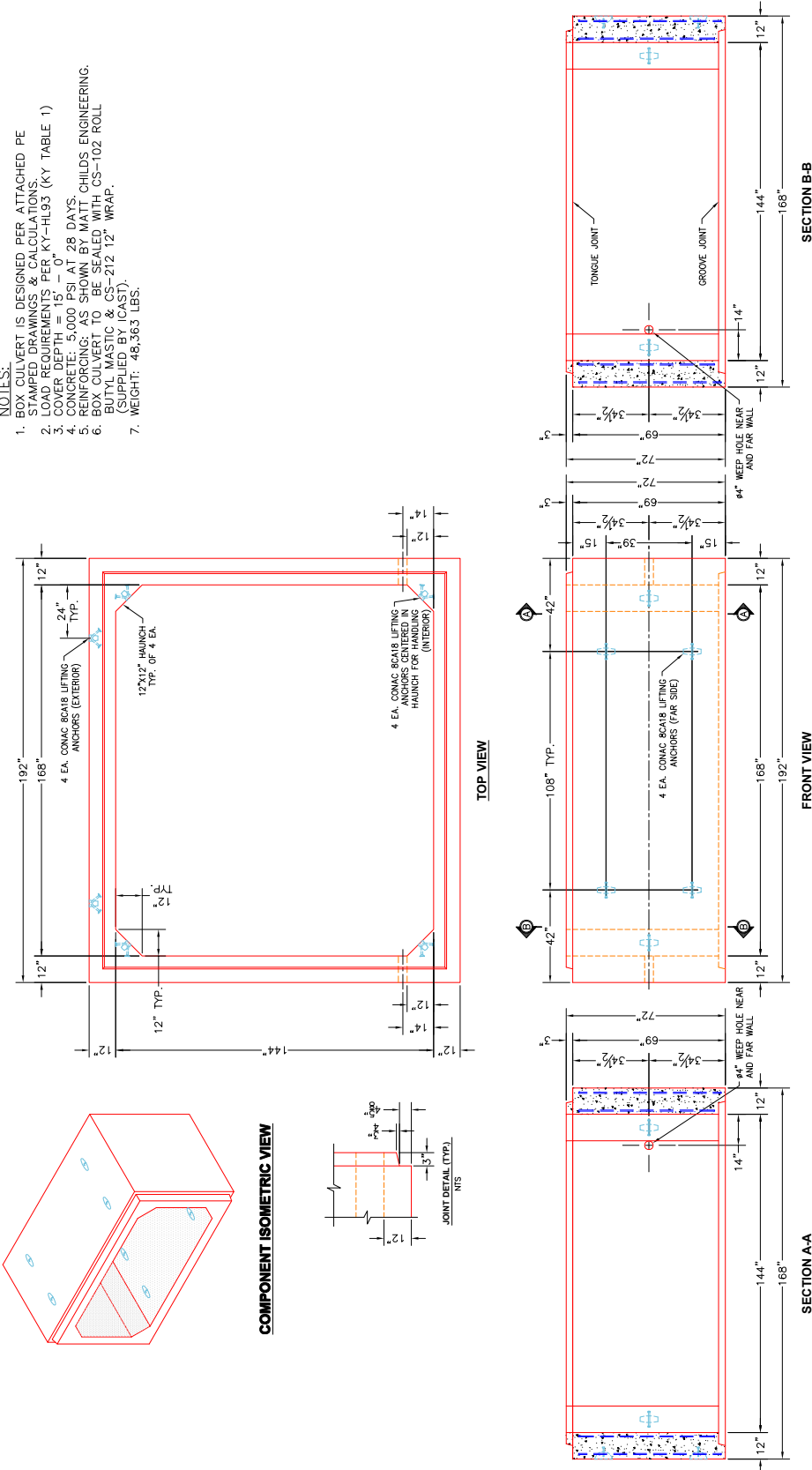
Plant: 100
7/6/2026 1:23:25 PM

Tech: Jared - A
PC: E. Bradley



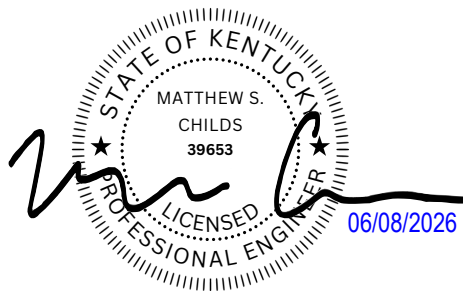
Structure ID: Box Culvert
P26 BC168144-12W12T12F-12H BOX CULVERT (12W/12F/12T) T/G

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



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

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



MATT CHILDS ENGINEERING, PLLC

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

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

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

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

Physical Dimensions

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

Material Properties

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

Controlling Ratings

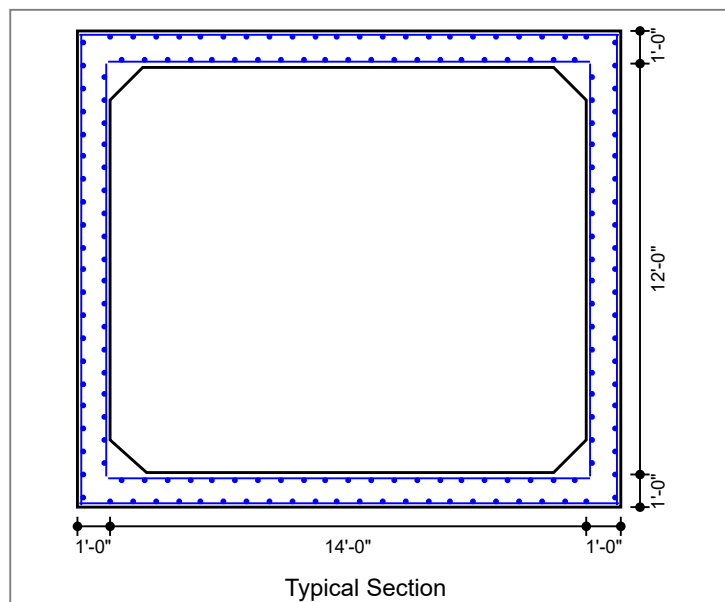
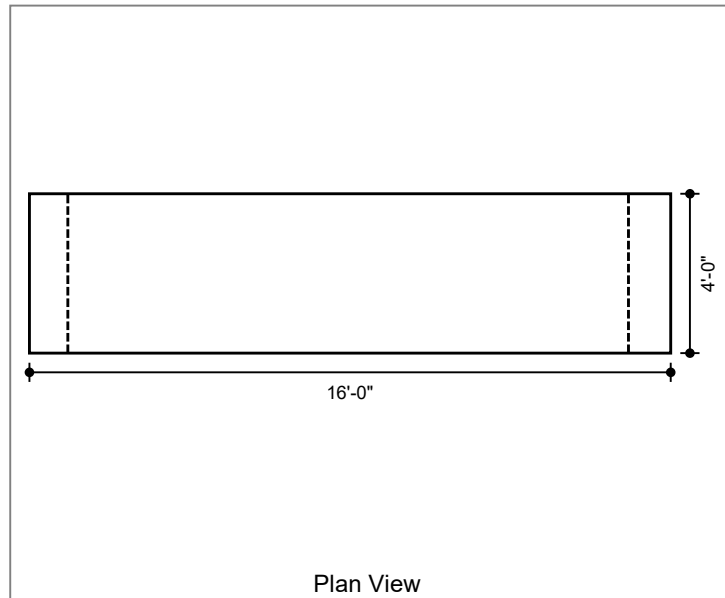
Inventory Rating: 5.85
Operating Rating: 7.59

Loads

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

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

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



MATT CHILDS ENGINEERING, PLLC

Sht ____ of ____

By:MBJ

Ck:_____

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p. 2 of 2

Project : City of Wilder

Task : 14x12 15' Fill

Job No. :

Client: ICast

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

Concrete Summary

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

Reinforcing Steel Bar Schedule (lb)

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

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

Plant: 100

5/28/2026 7:52:49 AM

Tech: J. Horsley

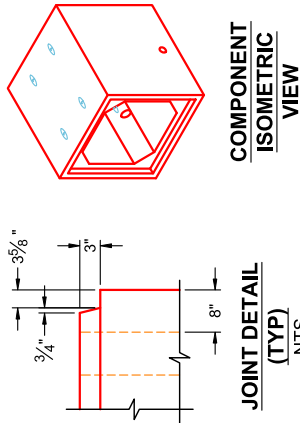
PC: C. Goff



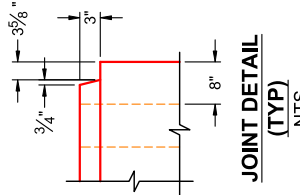
Structure ID: St. 45+00 (PC 10)

P1 BC048048-08WLF-9H

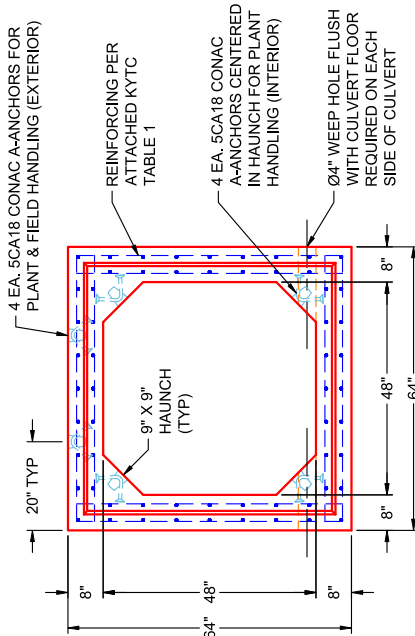
BOX CULVERT (08W/08F/08T) G/T



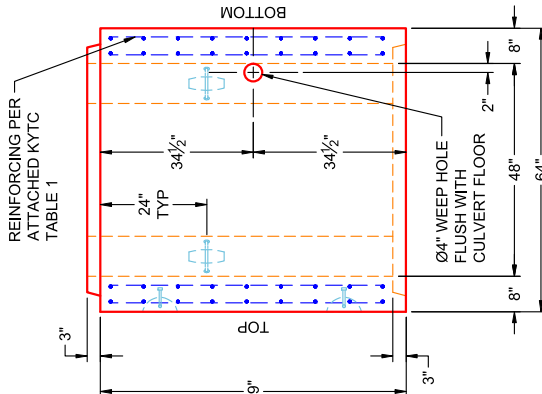
COMPONENT
ISOMETRIC
VIEW



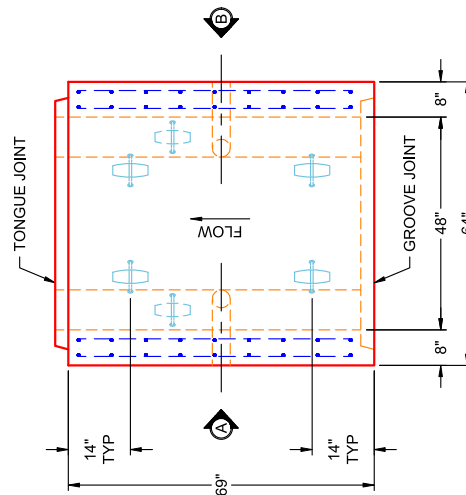
JOINT DETAIL
(TYP)
NTS



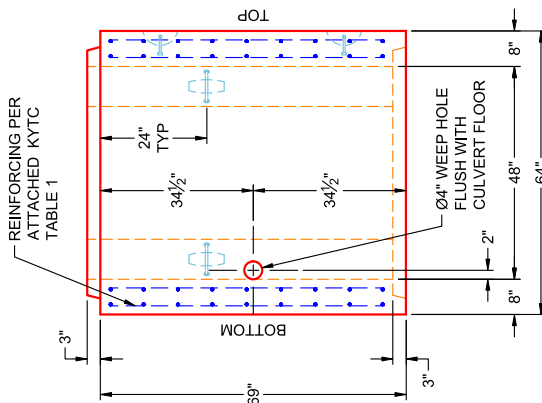
END VIEW
TYPICAL



VIEW B
PC 10
(UPRIGHT IN MOLD)



PLAN VIEW
PC 10
(UPRIGHT IN MOLD)



VIEW A
PC 10
(UPRIGHT IN MOLD)

GENERAL NOTES:

- PER SECTION 605 OF KYTC STANDARD SPECS FOR ROAD & BRIDGE CONSTRUCTION
- KYTC STAMP REQUIRED
- WEEP HOLES REQUIRED
- LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
- REINFORCEMENT PER ATTACHED KYTC TABLE 1
- COVER DEPTH: 0' - 7'
- CONCRETE: 5,000 PSI AT 28 DAYS
- JOINT SEALANT: 1" BUTYL MASTIC (CS-102)
EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
- WEIGHT: 4' X 4' RCBC = 1,968 LBS / LF
(5-9' LONG SECTION = 11,314 LBS)

PRODUCTION WORK ORDER

QUALITY CONTROL CHECKLIST

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



PRODUCT I.D.: BC048048-08WLF-9H

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY

WEIGHT: 11,314 LBS

TOP SECTION JOINT: TONGUE

BASE SECTION JOINT: GROOVE

QC CHECK INITIALS:

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

CUSTOMER: JIM SMITH CONTRACTING

PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)

STRUCTURE: ST. 45+00 (PC 10)

ORDER NO: 24-1643B

PE: J.H. ROSS

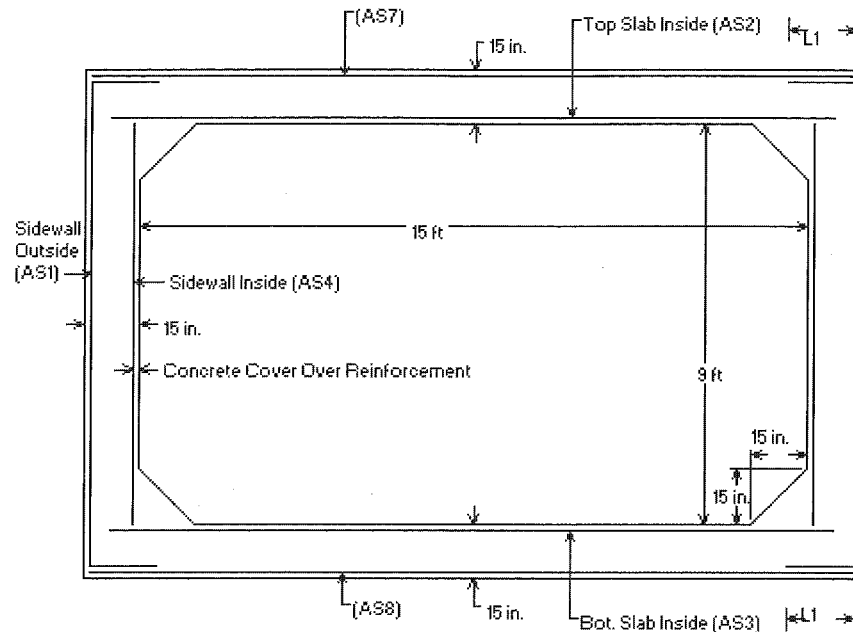
DRAWING: K. CARDWELL

DATE: 05/28/26

SCALE: NTS

PG. 1 OF 1

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

Notes:

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

KY Table 1

Precast Culvert KYHL-93 Design Table

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
4x3x5	0<2*	0.18	0.705	0.199	0.12	0.18	0.144	0.18	0.18
	2<3	0.198	0.309	0.27	0.12	0.12	0.12		
	3-5	0.123	0.191	0.193	0.12	0.12	0.12		
	10	0.12	0.142	0.146	0.12	0.12	0.12		
	15	0.12	0.193	0.197	0.12	0.12	0.12		
	20	0.152	0.249	0.253	0.12	0.12	0.12		
	25	0.187	0.306	0.31	0.12	0.12	0.12		
	30	0.225	0.366	0.37	0.12	0.12	0.12		
	35	0.263	0.428	0.432	0.12	0.12	0.12		

*top slab 7.5", bottom slab 6"

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
4x4x5	0<2*	0.18	0.745	0.22	0.12	0.18	0.144	0.18	0.18
	2<3	0.154	0.314	0.276	0.12	0.12	0.12		
	3-5	0.12	0.215	0.219	0.12	0.12	0.12		
	10	0.12	0.155	0.162	0.12	0.12	0.12		
	15	0.12	0.21	0.217	0.12	0.12	0.12		
	20	0.124	0.269	0.276	0.12	0.12	0.12		
	25	0.152	0.331	0.339	0.12	0.12	0.12		
	30	0.182	0.396	0.403	0.12	0.12	0.12		
	35	0.213	1.205	0.471	0.12	0.12	0.12		

*top slab 7.5", bottom slab 6"

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
5x3x6	0<2*	0.192	0.726	0.201	0.144	0.6	0.168	0.192	0.192
	2<3	0.224	0.288	0.232	0.144	0.144	0.144		
	3-5	0.16	0.205	0.19	0.144	0.144	0.144		
	10	0.144	0.164	0.168	0.144	0.144	0.144		
	15	0.174	0.224	0.228	0.144	0.144	0.144		
	20	0.223	0.288	0.292	0.144	0.144	0.144		
	25	0.276	0.354	0.359	0.144	0.144	0.144		
	30	0.331	0.423	0.427	0.144	0.144	0.144		
	35	0.389	1.349	1.168	0.144	0.144	0.144		

*top slab 8", bottom slab 7"



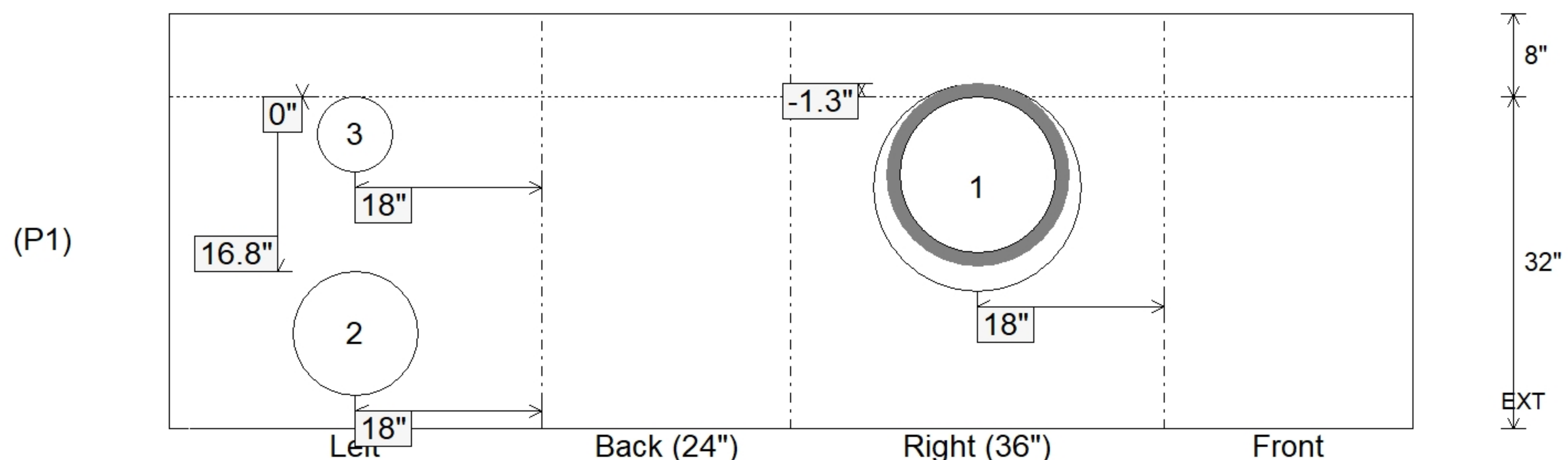
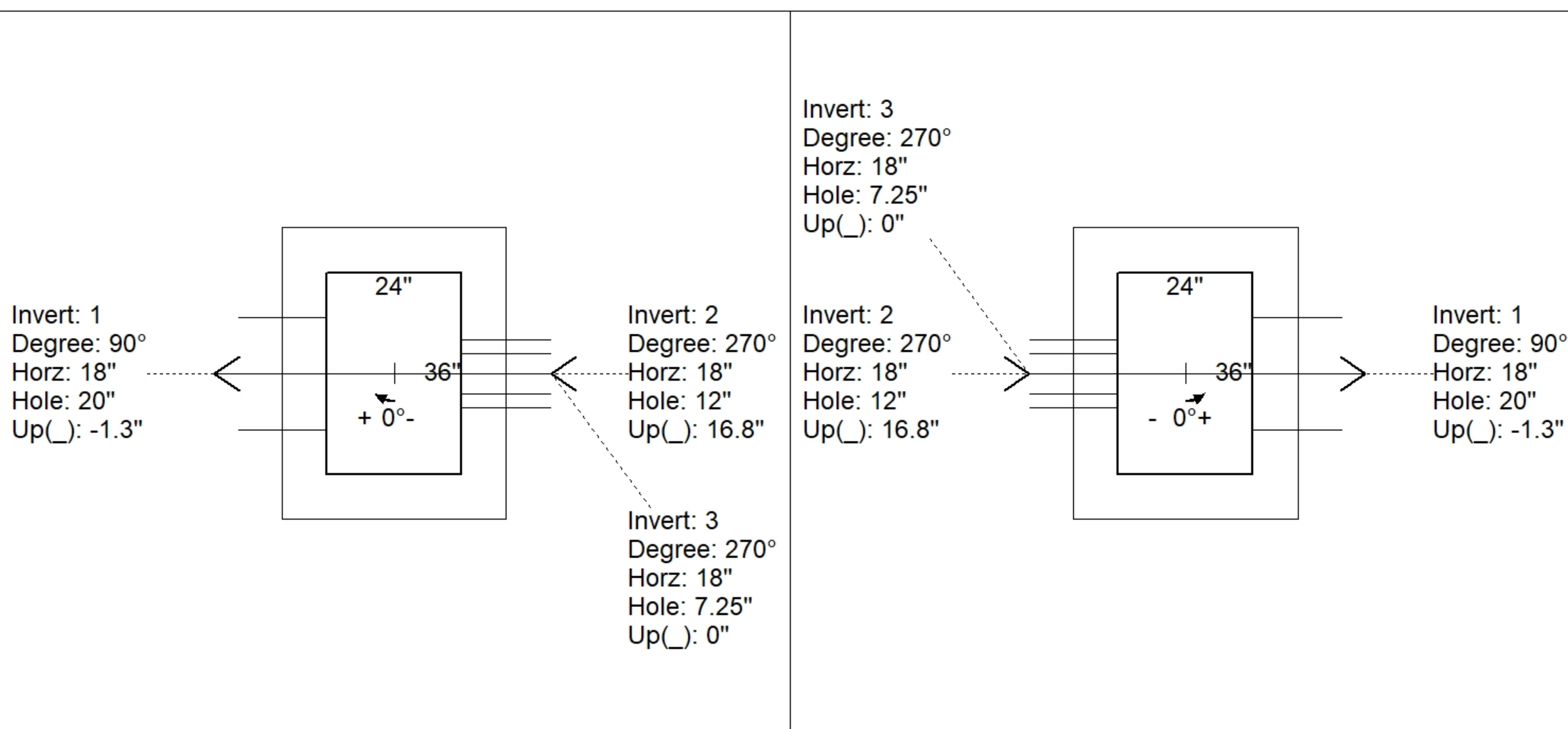
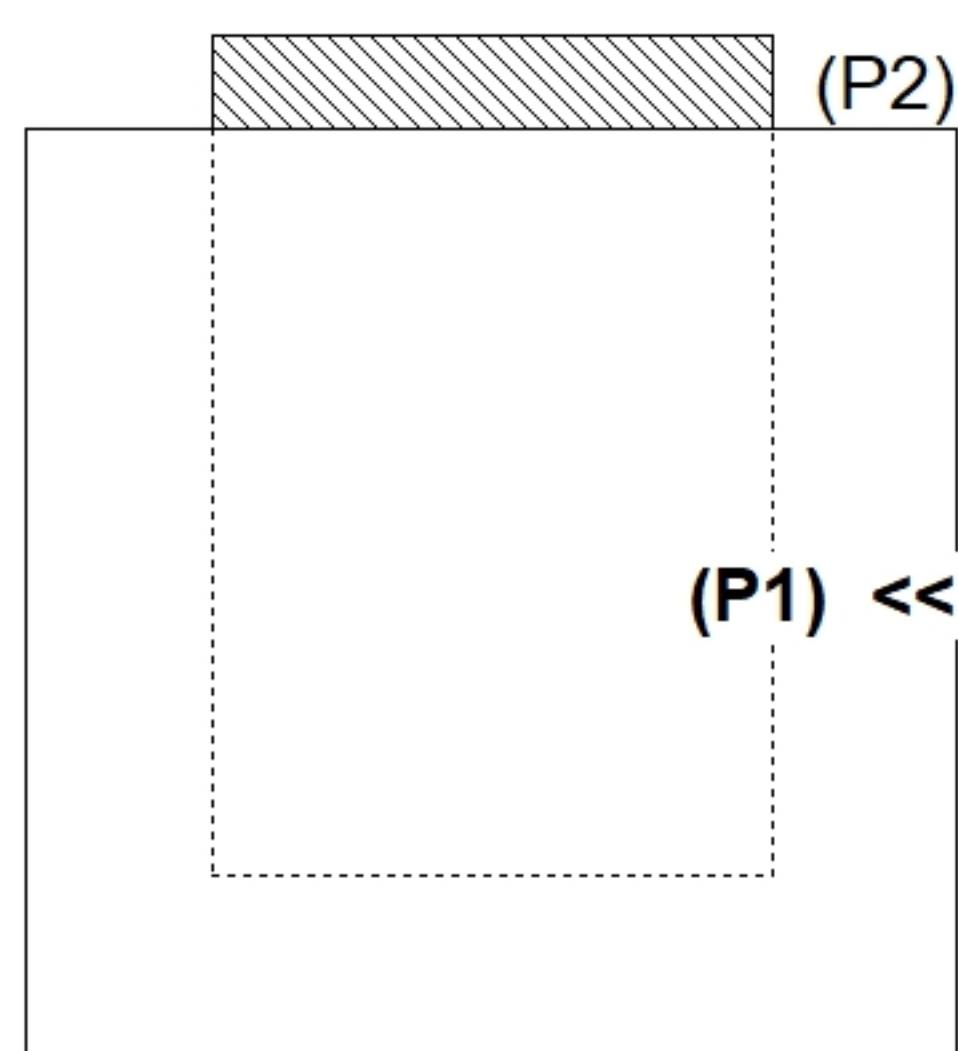
BOX BASE 8inW, 8inF, Variable Ht F/n

Structure Notes:

PLAN LABEL: 2

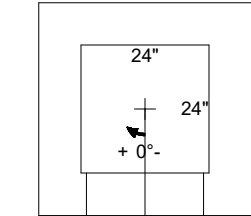
1. HOE 518 F/G PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. NO INVERT CHANNEL.
5. REINFORCING PER ASTM A615 (GRADE 60).

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

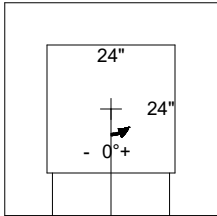
[illegible]

Weight (Net): 4347 lb
Volume (Net): 1.11cu.yd

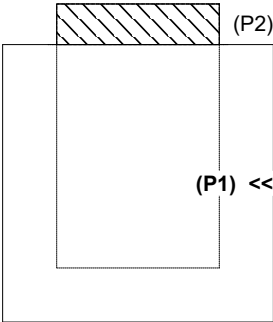
Job Name: 23-2309 - Richland Estates Subdivision Job Location: Portland, TN Contractor: Core & Main LP (BG)					Plant: 100 6/30/2026 8:52:19 AM		Tech: J. Horsley PC: T. Lewis					
Structure ID: 23 ST-SCI												
P1 BX2424-08BAVF		BOX BASE 8inW, 8inF, Variable Ht										
P2) 24" x 24" - CASTING HEIGHT - 6" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht - 33" 1) 24" x 24" - Conseal CS-102 1.00" 1) Hole - 22"					0 lb 3654 lb 0 lb 0 lb ----- Structure Total: 3654 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY OTHERS (NEENAH R-3501 TR/TL). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.					
Rim: 813.98'					Rim to Invert: 3.48'		Slack: 2.76"		Sump: 0"		Step Position:	
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset		
Invert 1	810.5'	0°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"		
Invert 2												
Invert 3												
Invert 4												
Invert 5												
Invert 6												
Invert 7												
Invert 8												



Invert: 1
Degree: 0°
Horz: 12"
Hole: 22"
Up(_): -2.25"

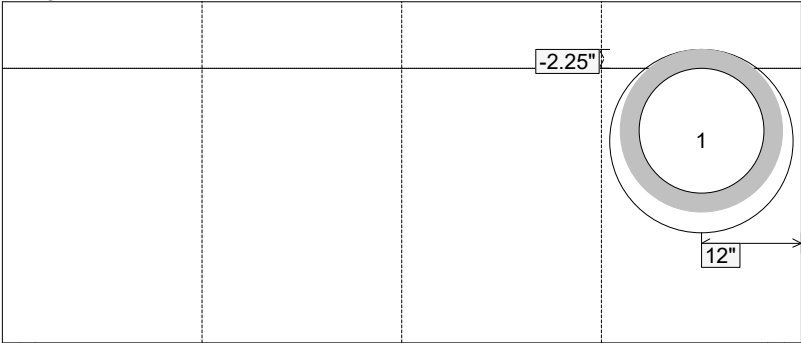


Invert: 1
Degree: 0°
Horz: 12"
Hole: 22"
Up(_): -2.25"



(P1) << (P2)

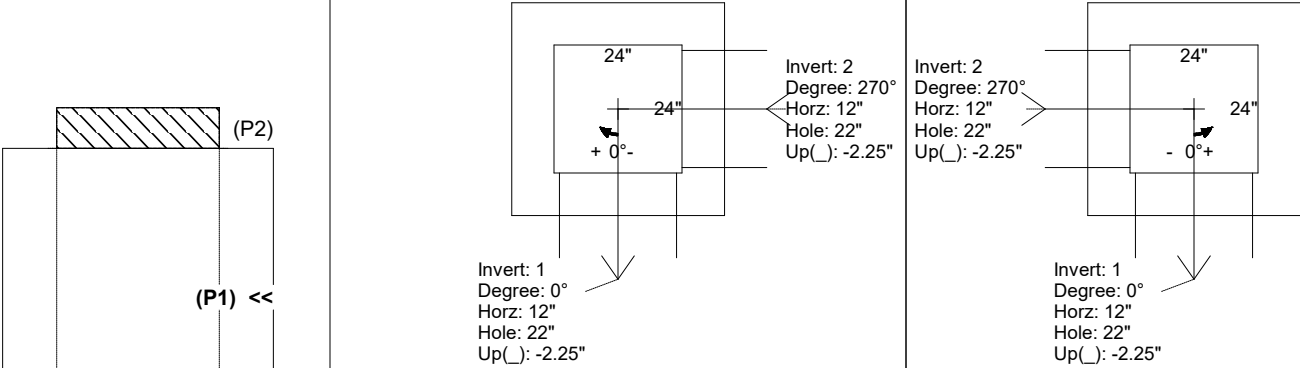
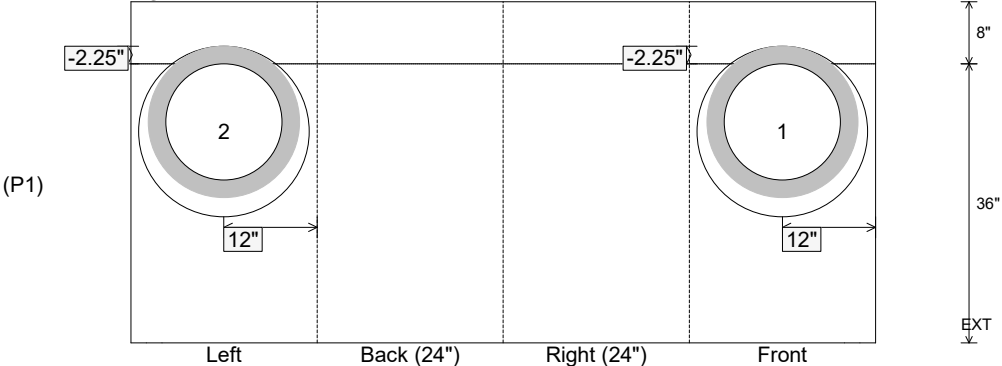
INSIDE WALL DIMENSIONS

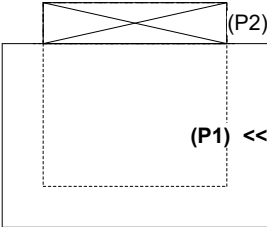
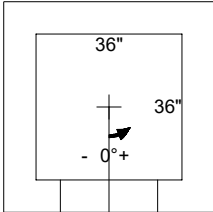
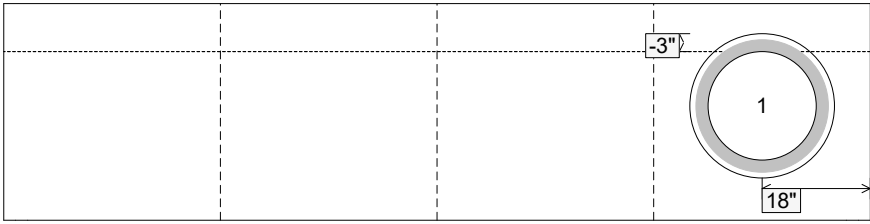


Left Back (24") Right (24") Front

8"
33"
12"
-2.25"

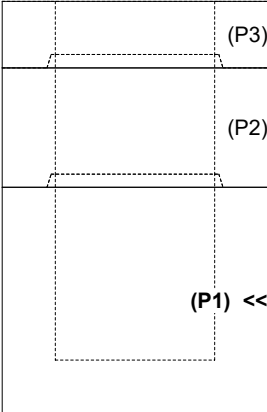
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 33" Height (Ext): 41"	Weight (Net): 3654 lb Volume (Net): 0.93cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 23-2309 - Richland Estates Subdivision Job Location: Portland, TN Contractor: Core & Main LP (BG)					Plant: 100 6/30/2026 8:52:18 AM		Tech: J. Horsley PC: T. Lewis				
Structure ID: 22 ST-SCI											
P1 BX2424-08BA36 BOX BASE 8inW, 8inF											
P2) 24" x 24" - CASTING HEIGHT - 6" P1) 24" x 24" - BOX BASE 8inW, 8inF - 36" 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 22"						0 lb 3657 lb 0 lb 0 lb ----- Structure Total: 3657 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO INVERT CHANNEL. 4. CASTING BY OTHERS (NEENAH R-3501 TR/TL). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 813.98' Rim to Invert: 3.59' Slack: 1.08" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	810.39'	0°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"	
Invert 2	810.39'	270°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)											
											
INSIDE WALL DIMENSIONS											
											
Coating (Int): Coating (Ext):			Seam Up: Flat Seam Dn: n/a		Wall Thickness: 8" Floor Height: 8"		Height (Int): 36" Height (Ext): 44"		Weight (Net): 3657 lb Volume (Net): 0.93cu.yd		

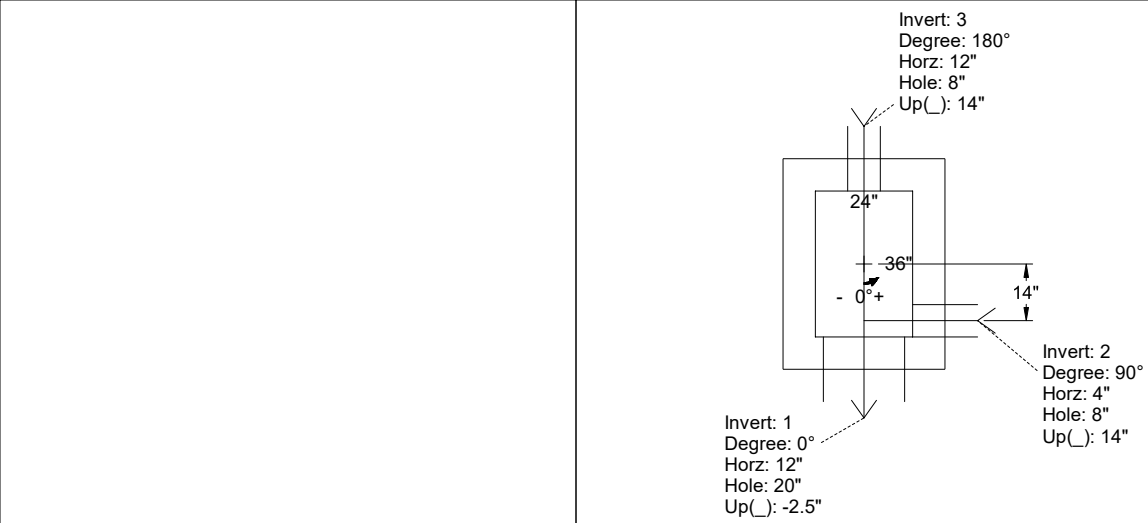
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Structure ID: 507											
P1 BX3636-08BAVF BOX BASE 8inW, 8inF, Variable Ht F/n											
P2) 36" x 36" - P.I.P. - BY OTHERS - 8" P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 28" 1) CASTING - HOE KY-316 SET (DBI 1) 1) 36" x 36" - Conseal CS-102 1.00" 1) Hole - 24						0 lb 4820 lb 317 lb 0 lb 0 lb ----- 5137 lb Structure Total:		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TY 1 / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-316 FRAME & GRATES SUPPLIED BY ICAST - FRAME TO BE POURED IN PLACE BY OTHERS 7. STUB #5 BAR @ 12" C.C. (GRADE 60) 20" OUT TOP OF WALLS FOR FIELD POUR TIE-IN - MIN. 4" PENETRATION INTO WALLS			
Rim: 867' 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	864'	0°	26"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"	
Invert 2											
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											
RIGHT-SIDE UP VIEW (int. dimensions) UPSIDE-DOWN VIEW (int. dimenions)   Invert: 1 Degree: 0° Horz: 18" Hole: 24" Up(): -3" INSIDE WALL DIMENSIONS  Left Back (36") Right (36") Front 8" 28" EXT											

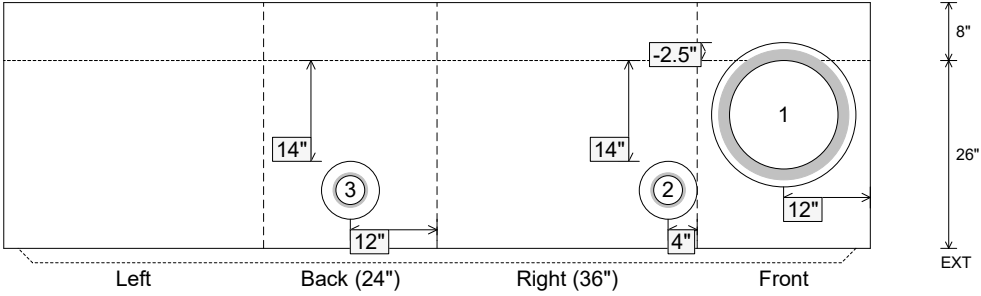
Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt					Plant: 100 6/4/2026 4:51:51 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 522											
P1 BX2436-08BVF BOX BASE 8inW, 8inF, Variable Ht T/n											
P3) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 26" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 20 2) Hole - 8					3400 lb 5270 lb 3838 lb 206 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 12714 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY iCAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP 7. INVERT 2 OFFSET 14" FROM CENTER OF WALL				
Rim: 835.7' Rim to Invert: 4.58' Slack: 0.96" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	831.12'	0°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"	
Invert 2	832.45'	90°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	14"	-14"	
Invert 3	832.45'	180°	20"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	14"	0"	
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

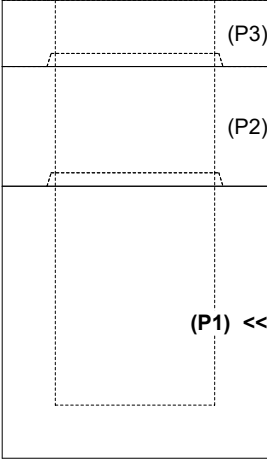


(P1)	INSIDE WALL DIMENSIONS			
				

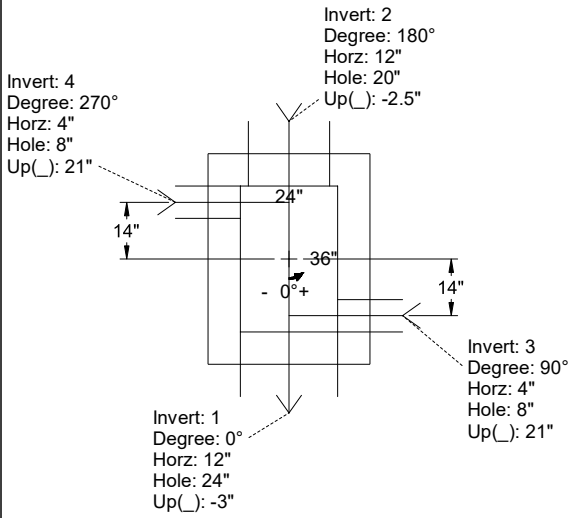
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 26" Height (Ext): 34"	Weight (Net): 3838 lb Volume (Net): 0.98cu.yd
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Job Name: 25-3193 - KYTC Kenton Co Call 328 (251320) Job Location: Independence, KY Contractor: Eaton Asphalt				Plant: 100 6/4/2026 4:51:49 PM		Tech: Jared - A PC: J. Jarvis				
Structure ID: 521										
P1		BX2436-08BVF		BOX BASE 8inW, 8inF, Variable Ht T/n						
P3) 24" x 120" - CB INLET KY A 10' TOP SAG F/G - 10" P2) 24" x 120" - CB INLET KY A 10' BOTTOM SAG T/G - 18" P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 33" 1) CASTING - HOE KY-206 F/C (KY TY1) 1) This Structure Includes a Cast-in Item - KY-206 Frame (Supplied by iCast) 1) 24" x 36" - Conseal CS-102 1.00" 1) Hole - 24 1) Hole - 20 2) Hole - 8					3398 lb 5270 lb 4392 lb 206 lb 0 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC CBI TY A / ASTM C-913 SPECS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. NO STORM INVERT 5. NO STEPS 6. KY-206 FRAME & COVER "STORM" SUPPLIED BY ICAST - FRAME TO BE CAST INTO TOP PHASE TOP FLANGE SIDE UP 7. INVERTS 3 & 4 OFFSET 14" FROM CENTER OF WALL			
Rim: 835.59' 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	830.5'	0°	20"	18" ADS N-12	22"	Hole 24	24"	24"	-3"	0"
Invert 2	830.5'	180°	20"	15" ADS N-12	18"	Hole 20	20"	20"	-2.5"	0"
Invert 3	832.42'	90°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	-14"
Invert 4	832.42'	270°	12"	4" HDPE (perf pipe)	4.8"	Hole 8	8"	8"	21"	-14"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)

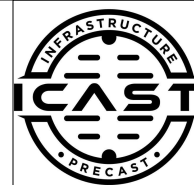


Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 33" Height (Ext): 41"	Weight (Net): 4392 lb Volume (Net): 1.12cu.yd

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

Plant: Beaver Dam
6/1/2026 8:23:05 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: CB-30

P1 BX3232-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

- P2) 32" x 32" - CASTING HEIGHT - 7"
P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht - 41"
1) CASTING - JBS-3123 MODIFIED SET
1) 32" x 32" - Conseal CS-102 1.00"
1) Hole - 26
1) Hole - 6

Structure Total: 5871 lb

Structure Notes:

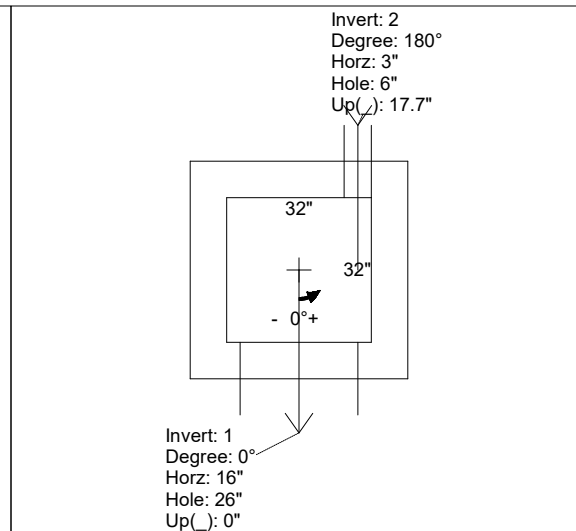
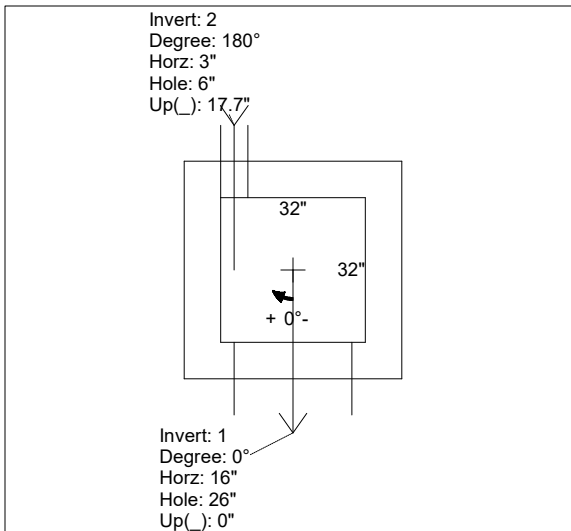
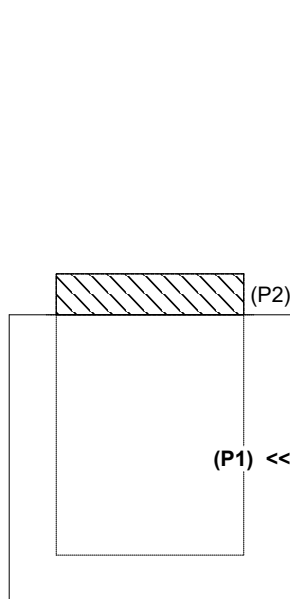
1. PER TDOT D-CB-12LP / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS 3123 MOD SINGLE SET BY ICAST
4. REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .62) #5 BARS AT 6" C.C.E.W.
- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

Rim: 811.12' Rim to Invert: 3.8' Slack: 0.1" Sump: 2.5" Step Position:

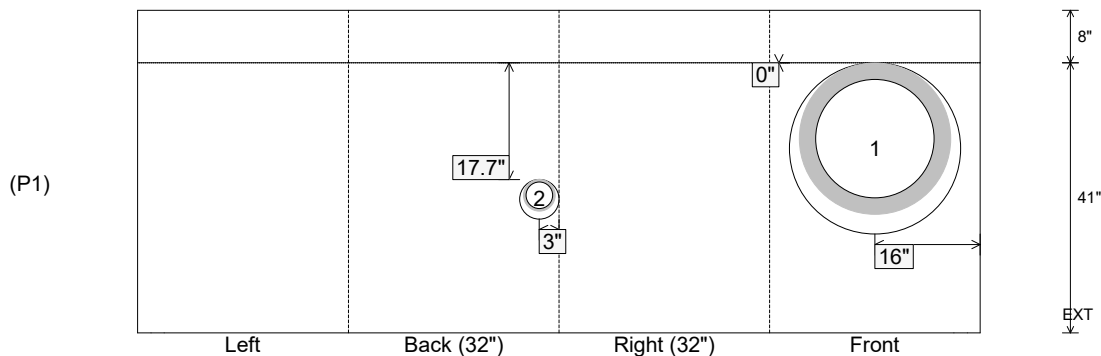
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	807.32'	0°	24"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2	808.62'	180°	11"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	17.7"	-13"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

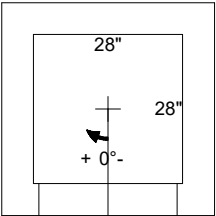
Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

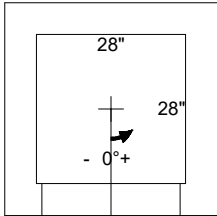
Height (Int): 41"
Height (Ext): 49"

Weight (Net): 5621 lb
Volume (Net): 1.44cu.yd

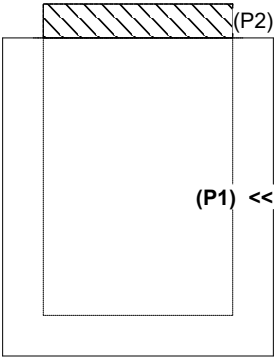
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC				Plant: Beaver Dam 6/9/2026 10:37:13 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R26										
P1 BX28280606VH				BOX BASE 6inW, 6inF, Variable Ht F/n						
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 41" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 26"				0 lb 3346 lb 450 lb 250 lb 0 lb 0 lb ----- 4046 lb Structure Total:		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 575.67' Rim to Invert: 3.67' Slack: 0.54" Sump: 2.5" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	572'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

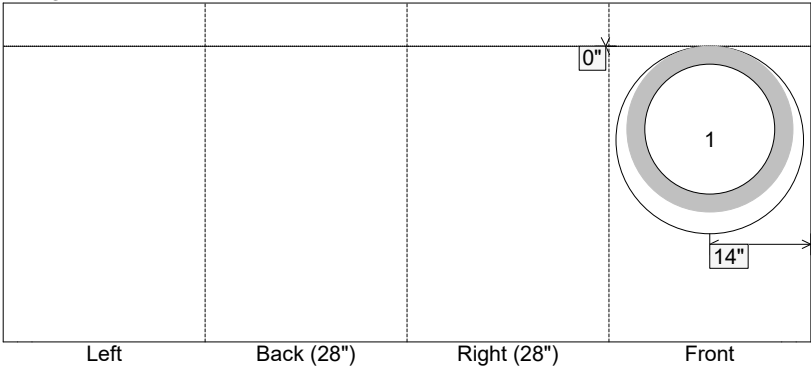


UPSIDE-DOWN VIEW (int. dimensions)



(P1) <<

INSIDE WALL DIMENSIONS

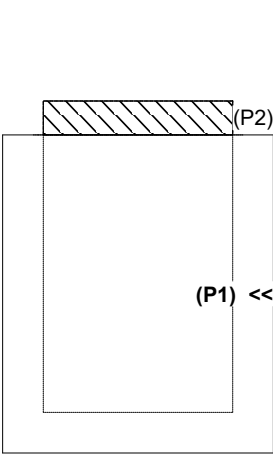


Left Back (28") Right (28") Front

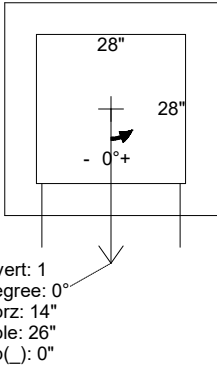
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 41" Height (Ext): 47"	Weight (Net): 3346 lb Volume (Net): 0.86cu.yd
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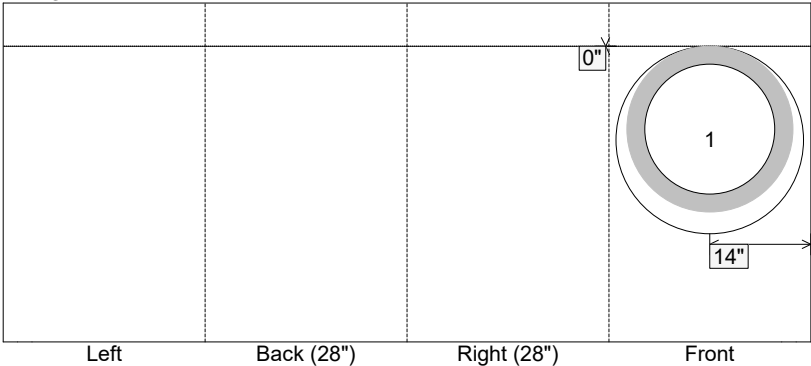
Job Name: 25-1401 Irwin Landing Ph. 1 Job Location: Murfreesboro, TN Contractor: Bear Construction LLC				Plant: Beaver Dam 6/9/2026 10:37:13 AM		Tech: S. Felletter PC: Erica Bradley				
Structure ID: R26										
P1 BX28280606VH				BOX BASE 6inW, 6inF, Variable Ht F/n						
P2) 28" x 28" - CASTING HEIGHT - 5" P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 41" 1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK 1) CASTING - JBS 3104-V SINGLE SET 1) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 26				0 lb 3346 lb 450 lb 250 lb 0 lb 0 lb ----- 4046 lb Structure Total:		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING BY ICAST (JBS-3104 SINGLE SET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.				
Rim: 575.67' Rim to Invert: 3.67' Slack: 0.54" Sump: 2.5" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	572'	0°	20"	18" RCP B WALL	23"	Hole 26	26"	26"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

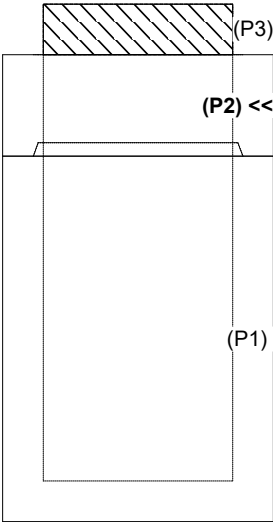
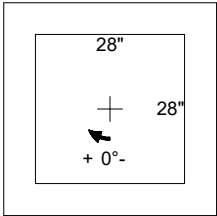


UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS				
(P1)	Left	Back (28")	Right (28")	Front
				

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 41" Height (Ext): 47"	Weight (Net): 3346 lb Volume (Net): 0.86cu.yd
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Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1 Job Location: Nashville, TN 37208 Contractor: Hayes Pipe Supply					Plant: 100 6/15/2026 10:59:49 AM		Tech: Jared - F PC: E. Bradley				
Structure ID: A7 ST-CI											
P2		BX2828-06R-VH		BOX RISER 6inW, Variable Ht F/G							
P3) 28" x 28" - CASTING HEIGHT - 7.50" P2) 28" x 28" - BOX RISER 6inW, Variable Ht F/G - 15" P1) 28" x 28" - BOX BASE 6inW, 6inF T/n - 48" 2) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 26 1) Hole - 18						0 lb 1027 lb 3697 lb 0 lb 0 lb 0 lb ----- Structure Total: 4724 lb		Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING SUPPLIED BY OTHERS (JBS 3300-V F/G/H - SINGLE CURB INLET). REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.			
Rim: 426.99' Rim to Invert: 5.72' Slack: 0.636" Sump: 2.496" 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): 15" Height (Ext): 15"		Weight (Net): 1027 lb Volume (Net): 0.26cu.yd			

Coating (Int): Carboline Bitumastic 300M Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 3665 lb Volume (Net): 0.94cu.yd
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Job Number:

26-1038

Job Name:

Perryville & Junction City WW
Improvements

Structure:

61038 (7)

Note:

36" x 36" (35" x 35" Clear Opening)
Hatch Supplied By Others To Be Cast
Into Flat Lid

Job Number:

26-1038

Job Name:

Perryville & Junction City WW
Improvements

Structure:

61038 (7)

Note:

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

Job Name: 26-2310 - 3rd & Madison Townhomes - Ph. 1		Plant: 100	Tech: Jared - F	
Job Location: Nashville, TN 37208		6/16/2026 8:47:40 AM	PC: E. Bradley	
Structure ID: C1 ST-CB				
P2 GR28x28x8x3		GRADE RING		
P3) 28" x 28" - CASTING HEIGHT - 6" P2) 28" x 28" - GRADE RING - 3" P1) 28" x 28" - BOX BASE 6inW, 6inF - 48" 2) 28" x 28" - Conseal CS-102 1.00" 1) Hole - 16 1) Hole - 14		0 lb 290 lb 3913 lb 0 lb 0 lb 0 lb ----- Structure Total: 4203 lb	Structure Notes: . 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. NO STEPS AND NO INVERT CHANNEL. 4. CASTING SUPPLIED BY OTHERS (JBS 4300 F/G). . REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .31) #5 BARS AT 12" C.C.E.W. - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.	
28" 28" + 0°-				
28" x 28" - GRADE RING - 3" - (P2)				
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 3"	Weight (Net): 290 lb Volume (Net): 0.07cu.yd

Job Name: 26-1385 SRS Distribution Job Location: String Hill, TN Contractor: Hayes Pipe Supply					Plant: Beaver Dam 7/8/2026 9:26:59 AM		Tech: S. Felletter PC: E. Bradley				
Structure ID: OC 1-1 ST-OCS											
P1 BX3232-08BAVF BOX BASE 8inW, 8inF, Variable Ht F/n											
P2) 32" x 32" - CASTING HEIGHT - 0" P1) 32" x 32" - BOX BASE 8inW, 8inF, Variable Ht F/n - 32" 1) 32" x 32" - Conseal CS-102 1.00" 1) Hole - 20 1) Orifice - 5.5" 1) Horiz Slot n/n - 32"x7"						0 lb 4622 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 4622 lb		Structure Notes: 1. PER ASTM C913 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING: TDOT TYPE 38 OR 42" GRATE BY OTHERS. 4. ALL TEMPORARY TRASH RACKS & ORIFICE PLATES TO BE SUPPLIED BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60). - WALLS (As .47) #5 BARS AT 8" C.C.E.W. - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.			
Rim: 718.5' Rim to Invert: 2.7' Slack: 0.4" Sump: 0" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset	
Invert 1	715.8'	25°	27.468"	15" HDPE	17.6"	Hole 20	20"	22.068"	-1.3"	-7"	
Invert 2	715.8'	180°	24"	5.5" Orifice	5.5"	Orifice 5.5"	5.5"	5.5"	0"	0"	
Invert 3	717'	180°	24"	32" x 7" Horiz Slot	32" x 7"	Horiz Slot 32"x7"	32" x 7"	32"	14.4"	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): 32" Height (Ext): 40"	Weight (Net): 4622 lb Volume (Net): 1.18cu.yd
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Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)		Plant: 100		Tech: J. Horsley - A	
Job Location: Indiana, KY		6/12/2026 3:12:30 PM		PC: J. Jarvis	
Contractor: Louisville Paving and Construction					

Structure ID: 145

P2 BX024024-08LD08-14CB FLAT TOP 8"W (HOE KY-215 F&G) F/F

P3) 19.5" - CASTING (cast in) - 2.75"

P2) 24" x 24" - CB FLAT TOP 8"W (HOE KY-215 F&G) F/F - 8"

P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 37"

1) This Structure Includes a Cast-in Item - HOE KY-215 Frame (Supplied By Others)

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

2) Hole - 20

0 lb

943 lb

3832 lb

0 lb

0 lb

0 lb

Structure Total: 4775 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC DBI TYPE 15 / 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-215 FRAME & BEEHIVE GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID

5. LIFTERS: 2 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AS SHOWN

6. TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH

40"

20"

20"

6" TYP

6"

TYP

40"

20"

20"

TOP SURFACE TO RECEIVE LIGHT BRUSH FINISH

HOE KY-215 FRAME & BEEHIVE GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID

2 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING

PLAN VIEW
(RIGHT SIDE UP)

#5 BAR @ 6" C.C. E.W. (GRADE 60)

8"

2" MIN. CLR. (TYP)

10¼"

Ø19½"

10¼"

40"

FRONT VIEW
(RIGHT SIDE UP)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 8"	Weight (Net): 943 lb Volume (Net): 0.24cu.yd
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Job Number:

25-2952

Job Name:

KYTC Jefferson Co Call 106
(251315)

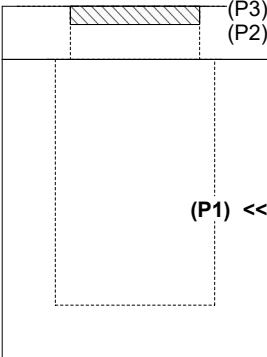
Structure:

145

Note:

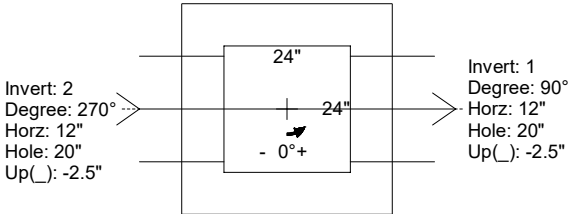
HOE KY-215 Frame Supplied By
Others To Be Cast Into Flat Lid

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315) Job Location: Indiana, KY Contractor: Louisville Paving and Construction				Plant: 100 6/12/2026 3:10:12 PM		Tech: J. Horsley - A PC: J. Jarvis				
Structure ID: 144										
P1 BX2424-08BAVF				BOX BASE 8inW, 8inF, Variable Ht F/n						
P3) 19.5" - CASTING (cast in) - 2.75" P2) 24" x 24" - CB FLAT TOP 8"W (HOE KY-215 F&G) F/F - 8" P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 37" 1) This Structure Includes a Cast-in Item - HOE KY-215 Frame (Supplied By Others) 1) 24" x 24" - Conseal CS-102 1.00" 2) Hole - 20" Structure Total: 4775 lb						Structure Notes: ** KYTC STATE PROJECT ** 1. PER KYTC DBI TYPE 15 / 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-215 FRAME & BEEHIVE GRATE SUPPLIED BY OTHERS - FRAME TO BE CAST INTO FLAT LID				
Rim: 553.1' Rim to Invert: 3.75' Slack: 0" Sump: 0" Step Position:										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	549.35'	90°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-2.5"	0"
Invert 2	549.35'	270°	20"	15" HDPE	17.6"	Hole 20	20"	20"	-2.5"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

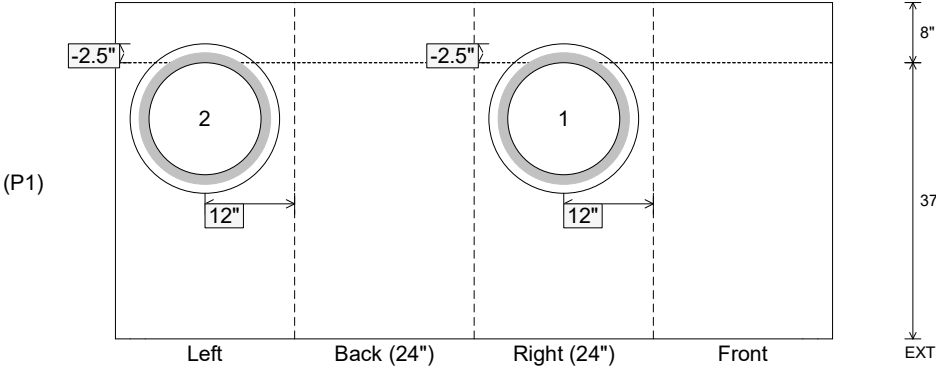


RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

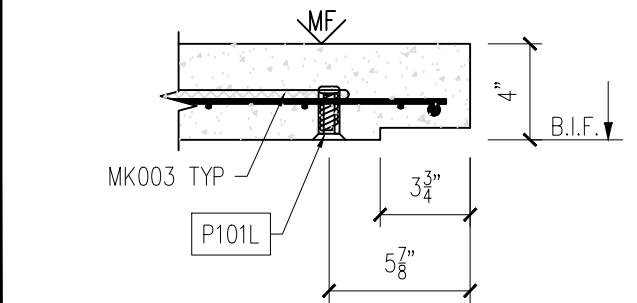
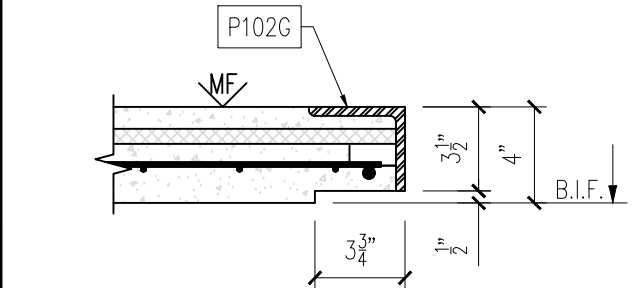
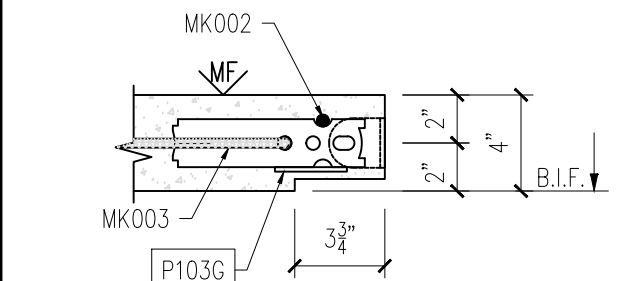
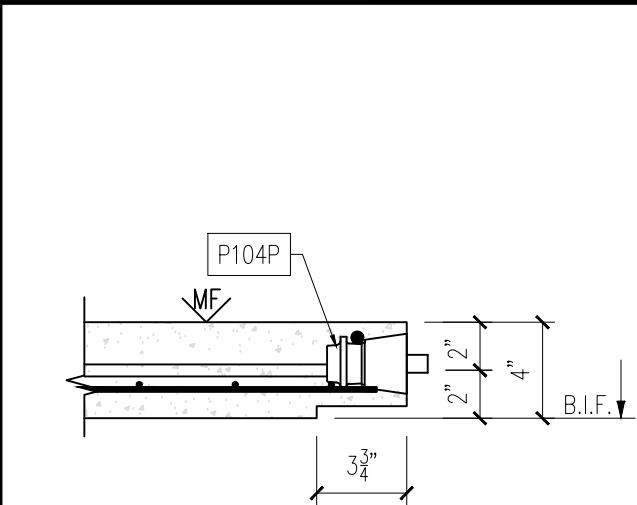
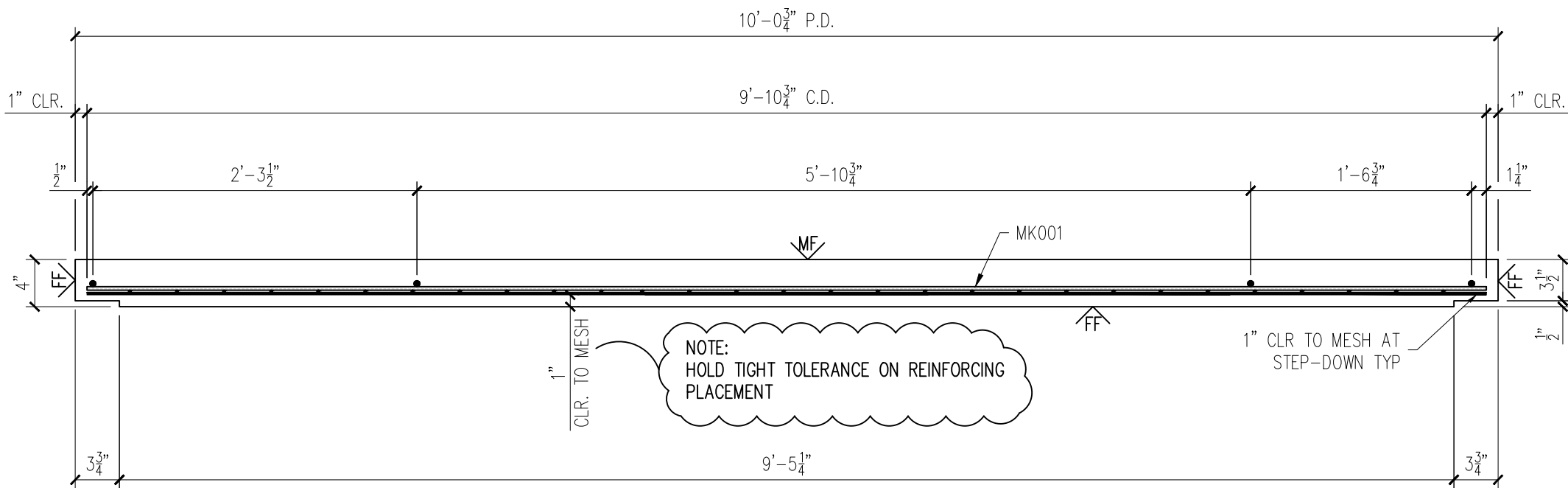
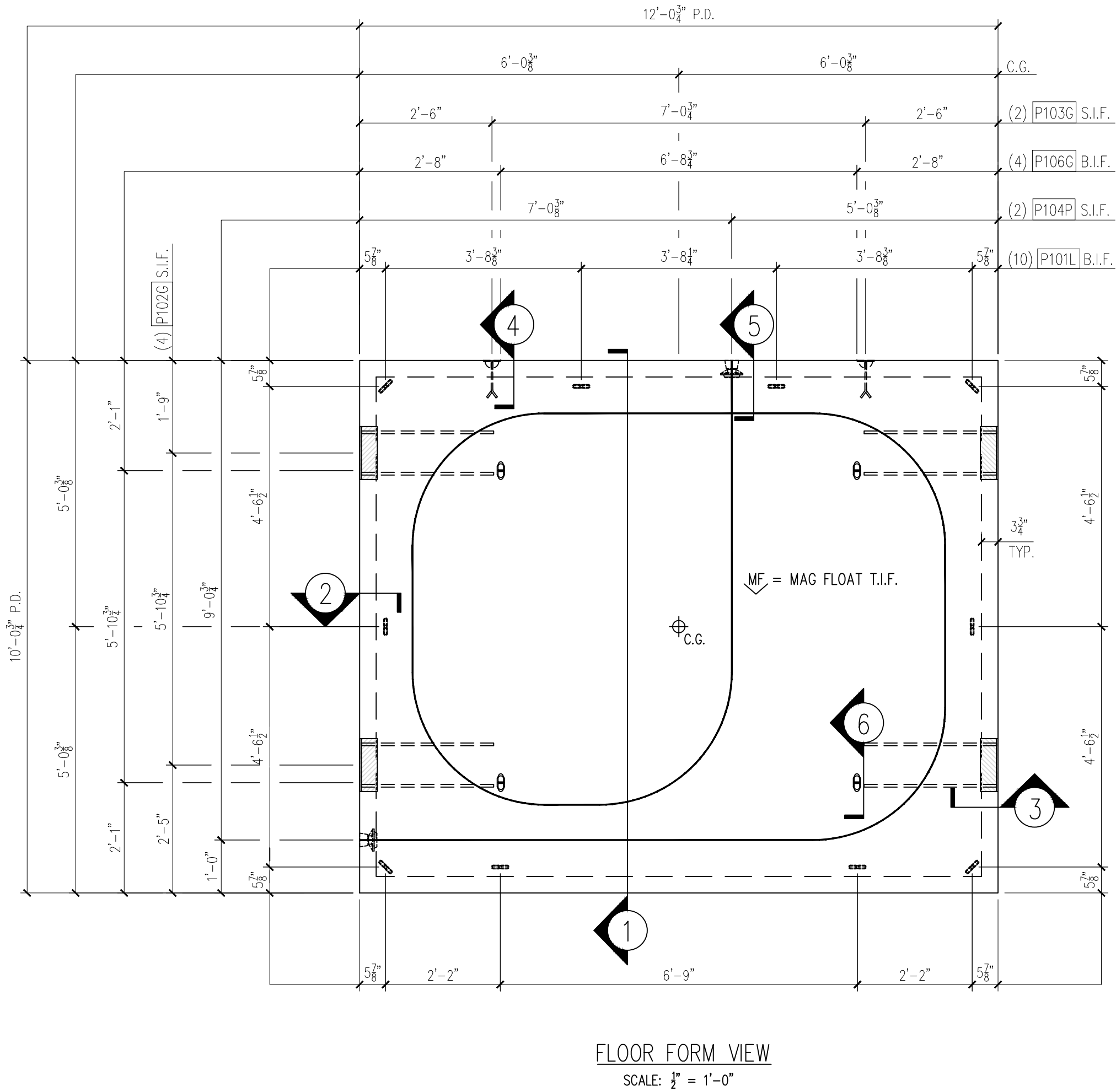


INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 37" Height (Ext): 45"	Weight (Net): 3832 lb Volume (Net): 0.98cu.yd
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25-4460
Olin Chemical Building
ID - CVBS
Floor - BFPG-10
Weight - 5,985 LBS Each
1 Required



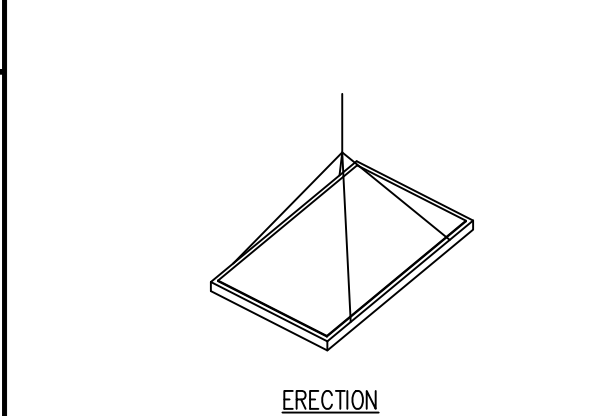
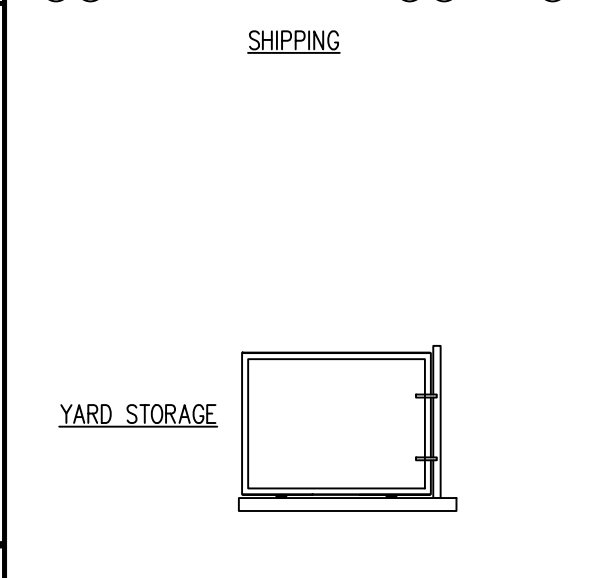
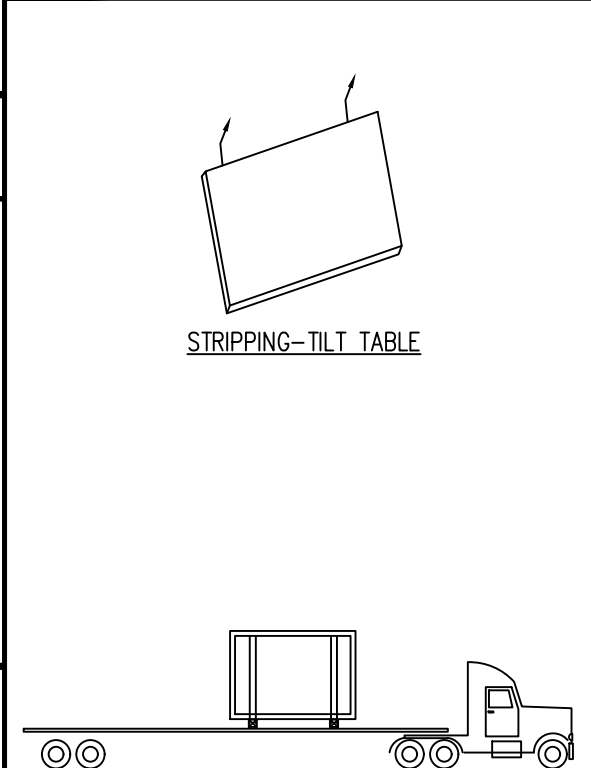
MESSAGE CENTER

- REFER TO DETAILS FOR REINFORCEMENT/CABLE PLACEMENT
- SHOP TICKET SHOWS INSIDE SURFACE OF FLOOR CAST FACE DOWN

CHECKED BY: DATE:
APPROVED BY: DATE:

BILL OF MATERIALS		
MARK #	DESCRIPTION	QTY.
P101L	3/8" X 1 3/4" F-63 FLARED THIN SLAB COIL INSERT (ELECTROPLATED)	10
P102G	ESW P-4 LIFTING ANGLE (GALV.)	4
P103G	2 TON RL-4 TECH ERECTION ANCHOR (79527) (GALV.)	2
P104P	U-5 POST TENSION ANCHOR (PLAIN) WITH PLASTIC POCKET	2
P106G	2 TON PLATE ANCHOR (GALV.)	4

HANDLING INSTRUCTIONS



CONCRETE INSTRUCTIONS		
CONCRETE RELEASE @ 2,500 P.S.I.		
CONCRETE @ 28 DAYS: 5,000 P.S.I.		
POST-TENSION @ 3,500 P.S.I.		
CONCRETE MIXES		
CONCRETE - GRAY	VOLUME = 1.47	C.Y.
CONCRETE - MIX 1	VOLUME = -	C.Y.
CONCRETE - MIX 2	VOLUME = -	C.Y.
SOFT SOUND	VOLUME = -	C.Y.
TOTALS	VOLUME = 1.47	C.Y.
WEIGHT: 5,985 LBS.		

FINISHING INSTRUCTIONS

MF = MAG FLOAT FINISH	
FF = FORM FINISH	
L = 12'-0 3/4"	SQ.FT.(T.I.F.) = 119.68
W = 10'-0 3/4"	SQ.FT.(T.I.F.) = -
D = 4"	SQ.FT.(T.I.F.) = -

CONTROL NUMBERS:	
-	
PRODUCT	SALES ORDER NUMBER
BUILDING	STANDARD
SHEET NUMBER	NUMBER REQUIRED
1 OF 2	1

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DATE	REV	DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-

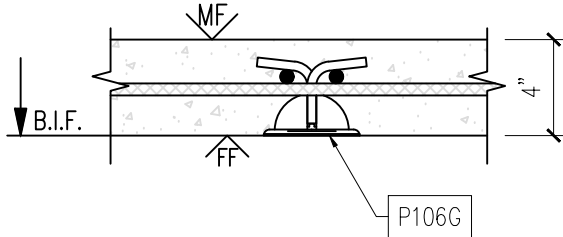
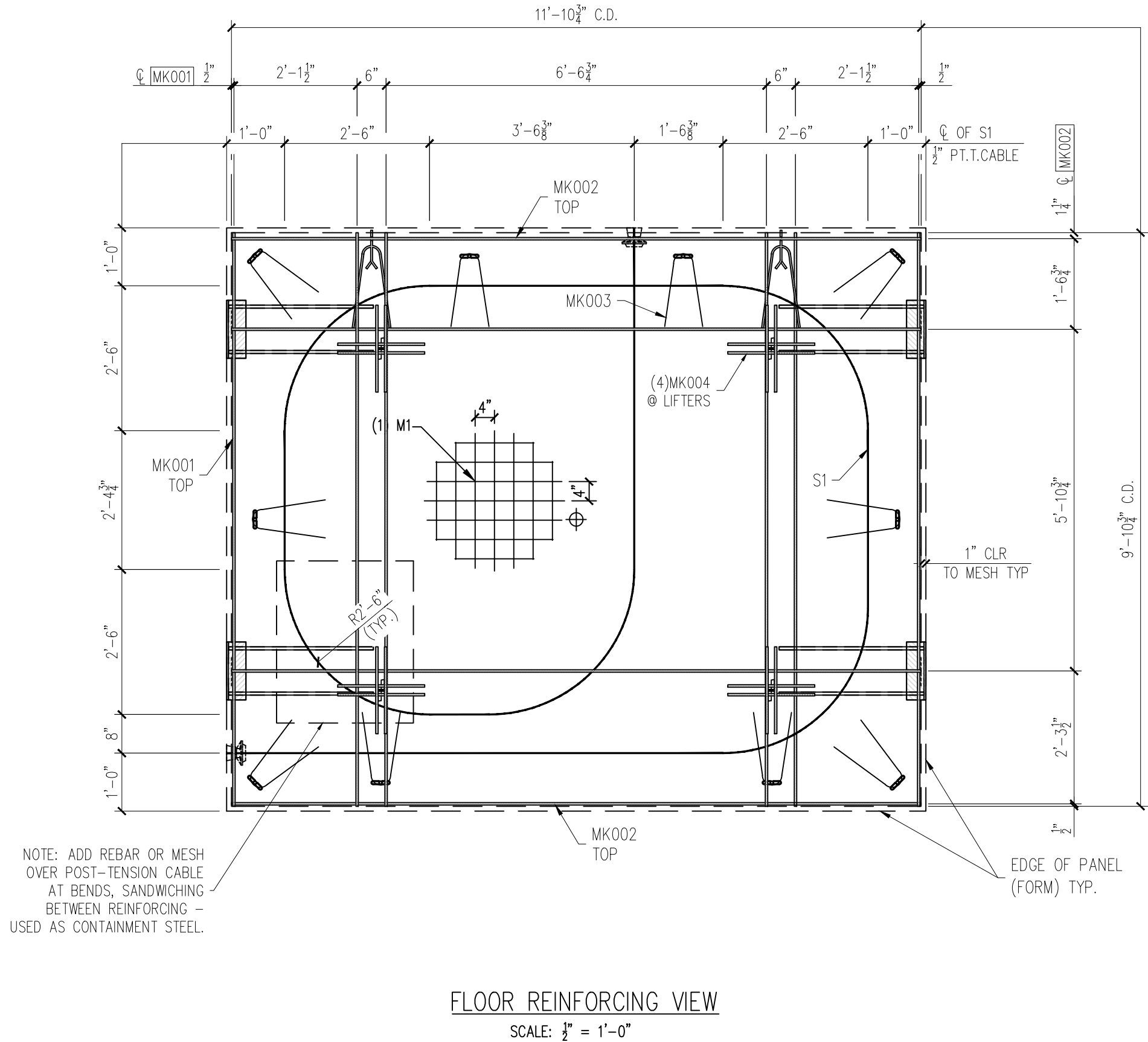
PROJECT: 10'-0" x 12'-0" x 9'-0" EASI - SET CABLED BUILDING

CONTRACTOR: -

SCALE NTS
DRAWN BY FTL
CHECK BY WCR
ISSUE DATE 06.12.26
PIECE MARK BFPG-10

25-4460
Olin Chemical Building
ID - CVBS
Floor - BFPG-10
Weight - 5,985 LBS Each
1 Required

SHOP NOTE:
DIMENSIONS PROVIDED ARE PULLED FROM EDGE OF
CAGE TO CENTERLINE OF REBAR AND TO CENTER
OF REBAR TO CENTER OF REBAR



MESSAGE CENTER

- 1. REFER TO DETAILS FOR REINFORCEMENT/CABLE PLACEMENT
- 2. SUPPLEMENTAL STEEL FOR STRIPPING AND HANDLING MAY BE ADDED AS REQUIRED.

CHECKED BY: DATE:
APPROVED BY: DATE:

- NOTES:
- 1. TRIM PLASTIC SHEATH AT BOTH ENDS OF THE PT CABLE TO FIT BETWEEN U-5 ANCHOR PLATES
 - 2. CONSTRUCT REBAR-MESH CAGE ACCORDING TO THE DRAWINGS. SECURE LIFTING APPARATUS TO FORM AND ADD PROPER REINFORCEMENT. PLACE REBAR-MESH CAGE AND HAIRPINS AT INSERTS WITH PROPER CLEARANCES (PER DRAWINGS).
 - 3. PLACE AND SECURE PT CABLE AS INDICATED ON THE DRAWINGS (REINFORCING VIEW)

PRODUCT	SALES ORDER NUMBER
BUILDING	STANDARD
SHEET NUMBER	NUMBER REQUIRED
2 OF 2	1

REINFORCING SCHEDULE		
MARK #	DESCRIPTION	QTY
MK001	#3 X 9'-10 3/4" 9'-10 3/4"	6
MK002	#3 X 11'-10 3/4" 11'-10 3/4"	4
MK003	#3 X 3'-0" 1'-6" 1'-6"	12
MK004	#4 X 1'-6" 1'-6"	16
S1	1/2" Ø X 48'-8" LONG P.T. CABLE	1
MESH SCHEDULE		
MARK #	DESCRIPTION	QTY
M1	W4XW4 4"X4" WWF 9'-10 3/4" X 11'-10 3/4"	1

DATE	DESCRIPTION	INI.	REV
-	-	-	1
-	-	-	2
-	-	-	3
-	-	-	4
-	-	-	5

PROJECT: 10'-0" x 12'-0" x 9'-0" EASI - SET CABLED BUILDING

CONTRACTOR:

SCALE NTS

DRAWN BY FTL

CHECK BY WCR

ISSUE DATE 06.12.26

PIECE MARK BFPG-10

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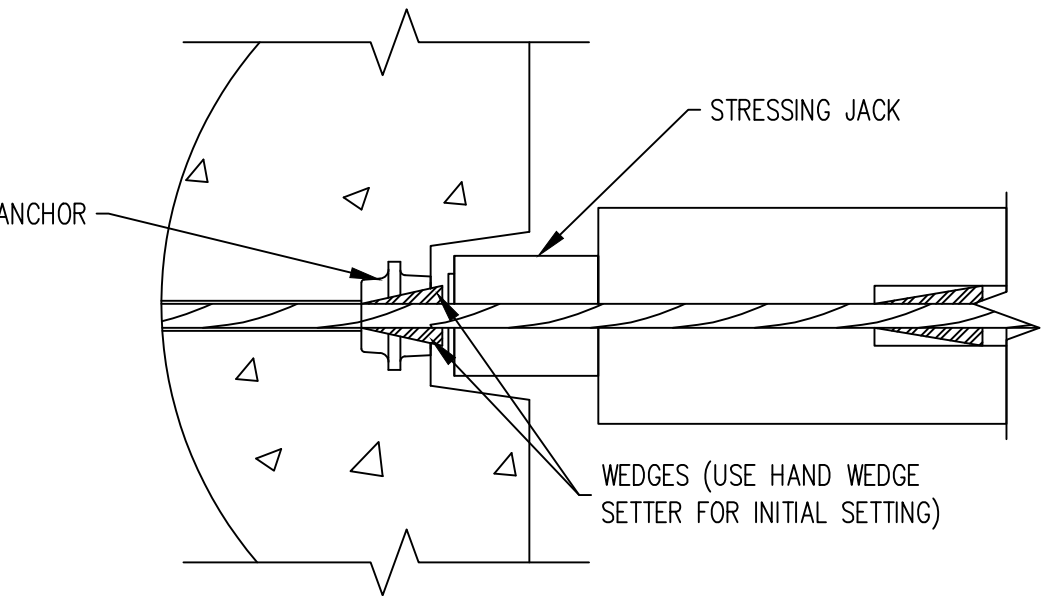
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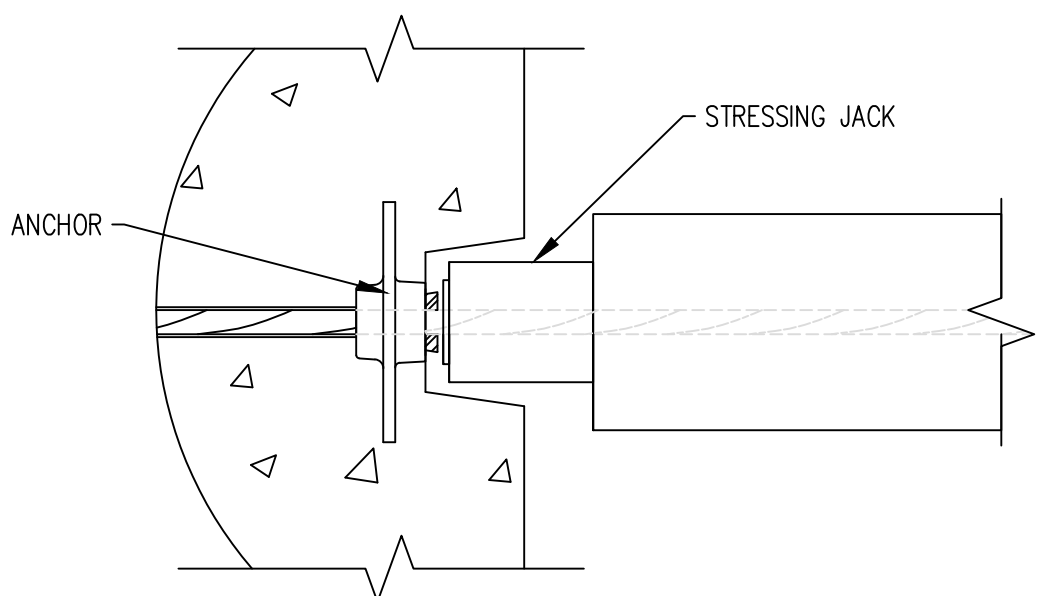
STRESSING PROCEDURES For Roofs and Floors – Model –

1. Remove form rails. Verify concrete strength with Schmidt Hammer or cylinder breaks. Concrete shall be a minimum of 3,750 PSI before cable can be stressed.
2. Remove recessed plastic pocket–formers at the post–tensioning anchor.
3. Remove the plastic sheath from the strand all the way from the base of the anchor to the end of the strand. Clean off grease from exposed portion of cable. Use a suitable solvent. Never heat or use flame on the cable.
4. Insure that the tapered holes in the anchors are cleaned and free of any debris or cement paste, which might interfere with proper wedge seating.
5. Install wedge sets around the strand at each anchor. Press the wedges in with the fingers evenly. Then, using a hand wedge setter, engage the wedges securely so that the stress will be evenly distributed over the wires of the strand.
6. Slide the stressing jack over the cable and place against the wedges installed in the cast–in anchors (see details A & B).
7. Using manufacturer recommendations, properly secure the stressing jack to the strand.
9. Standing back from the system, engage the jack to stress the strands until the pump pressure gauge corresponds to 33 K required tension on the ½” cable and note the elongation achieved. Whenever stressing, be sure to observe safety precautions and operator positioning in anticipation of unexpected failures.
NOTE: Force in the tendons shall always be measured by gauge readings and verified by elongation. Compare the elongation noted during stressing to the theoretical (calculated) elongation to ensure proper pull (tension) is reached. Refer to industry manuals (PCI) for the proper methods of calculating elongation.
10. Release pump pressure slowly and remove the jacking system and temporary stressing anchor. Your post release tension on the cable will be 28.5 K.
11. Cut off strand tails at 1” from the wedge and pack the holes with permanent grout. Repeat procedure for other end of cable

25-4460
Olin Chemical Building
ID - CVBS
Floor - BFPG-10
Weight - 5,985 LBS Each
1 Required



A



B

SAFETY INSTRUCTIONS:

NOTE: Stressing units are calibrated against load cells to determine the gauge pressures for a particular unit which will produce the desired engineering force. Gauge pressure versus actual load calibration should be checked every six months against a load cell. Never use equipment which has not been tested in the last 6 months. The Quality Control Department has the responsibility to insure the stressing unit is calibrated semi–annually. Refer to manufacturer for calibration charts specifically relating to the particular unit (stressing jack).

ROOF AND FLOOR POST–TENSIONING Stressing System Safety Instructions:

This equipment is designed and built to provide safety during equipment operation. It must be operated and maintained by personnel who are trained in and follow safe procedures. Since the forces involved in tendon stressing are in the order of 33 to 46 kips, it is obvious that failure from any cause could be damaging to personnel and property. Accordingly, stressing equipment operators are expected to observe all applicable safety precautions including the following but not limited to:

1. Before activating the pump, visually check all elastomeric tubing for nicks, cracks, or other damage and repair or replace if required.
2. See that all tubing joints are tightly connected.
3. Be sure that pump is supported in a stable manner and positioned to avoid strain on connection lines.
4. Be sure that protective dunnage and appropriate safety barriers are erected to protect the operator and any others in the area.
5. Observe the gauge pressure that will develop the required tensile force as marked on the tag attached to the pump. Locate this reading on gauge face.
6. Be certain that tensioning twin–rams are positively engaged and correctly aligned.
7. Activate pump and observe gauge. If pressure does not build up promptly, check system for leakage and make sure that anchors and wedges on both ends of the POLYSTRAND® tendons are properly engaged. After an initial tension on the strand (5K), stop and check for alignment. Make sure that the strand is at the top of the slot provided in the tension jack cylinder connector plates.
8. Continue pumping until final pressure/force is attained. When stressing long tendons, multiple strokes and resetting the temporary anchor will be required. – – CAUTION – – pressure will build extremely fast if rams are fully extended. Monitor ram extension and gauge readings continuously.
9. When the correct force has been applied to the tendon, stop the pump motor and release the pressure on the pack by opening the hydraulic valve.
10. Use care in moving and storing equipment to insure that gauge and tubing are not damaged.
11. Observe site rules pertaining to frequency of gauge calibration.

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DATE	DESCRIPTION	INI.	REV.
			△
			△
			△
			△

PROJECT: 10'-0" x 12'-0" x 9'-0"
EASI-SET CABLED BUILDING
-
CONTRACTOR: -

STRESSING PROCEDURES

SCALE
NTS

DRAWN BY
FTL

CHECK BY
WCR

ISSUE DATE
06.09.26

SHEET
P-02

PT Check for Floor Panel (PCI MNL - 116)

Material Data

(7) Wire lo-lax Strand - ASTM A416

Φ_{ps} 0.500 in,

A= 0.153 in²

E= 28500000 psi

f_{pu} 270 ksi

Strand Length **548 in**

Assume (Info supplied by strand manufacturer)

k= 0.0007 Wobble Friction Coeff.

μ = 0.05 Curvature friction coeff. (Initial tension of 3,000 lbs)

Strand is to be stressed 70% of ultimate

= 28917 lbs



Cable Configuration

25-4460
Olin Chemical Building
ID - CVBS
Floor - BFPG-10
Weight - 5,985 LBS Each
1 Required

Adjustments to tensioning

1) Dead end anchor wedge seating loss

~ Expected to be 1/8 in

2) Live end anchor wedge seating loss

~ Expected to be 1/8 in, recommend over pull 1/8"

3) Elastic Shortening

Neglect for this pnl

4) Friction Loss

Additional force to overcome frictional forces between strand and sheathing

Tensioning Computations

Basic Elongation = $\frac{(\text{Force required beyond initial tension}) (\text{Length of strand between anchorages})}{(\text{Area of strand}) (\text{Modulus of Elasticity})}$

= 3.26 in

Adjustments

a) Dead end anchor wedge seating: Add 1/8" to elong. No force adjustment req'd

Add 1/8 in

b) Live end seating: over pull by 1/8"

1/8 in

Force adjustment t = 995 lbs lbs α = curvature = $\pi(2.5)$ 7.85 radians

c) Friction losses $\frac{PD}{PS} = e^{-\{kL + \mu\alpha\}}$

= 0.654

Avg. strand force = 0.827 17.30% Loss

Recommend sequential jacking at both ends of the tendon be used to reduce the overstressing the strand at the live end

Friction loss at mid-point of tendon

$\frac{PD}{PS} = e^{-\frac{\{kL + \mu\alpha\}}{2}}$

= 0.809

Avg. strand force over

half of tendon = 0.904 9.57% Loss

Total force and elongation at live end must be increased to compensate for friction losses

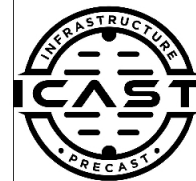
Elong. Adjustment = 0.312 in

Force Adjustment = 2766 lbs

Total Force Required = 32678 lbs **OK**

Elongation Summary:

Gross Theoretical Elongation			
Basic Elongation	3.26 in		
Dead End Seating Loss	0.125 in		
Live End Seating Loss	0.125 in		
Friction Losses	0.312 in		
Total Elongation	3.82 in		
Rounded	3 13/16 in		
Tolerance limits	-7.0%	3.55 in	3 9/16 in
	+7.0%	4.09 in	4 1/16 in



Coating (Int):
Coating (Ext):

