Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:38 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS1 (9)

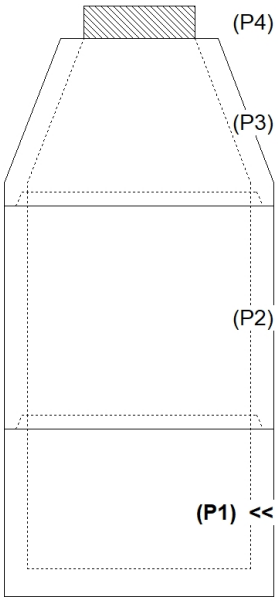
P1 MH048BA30CDARED MH BASE w/ConBlock-CDA Red T/n

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36"	2251 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48"	3353 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	10391 lb

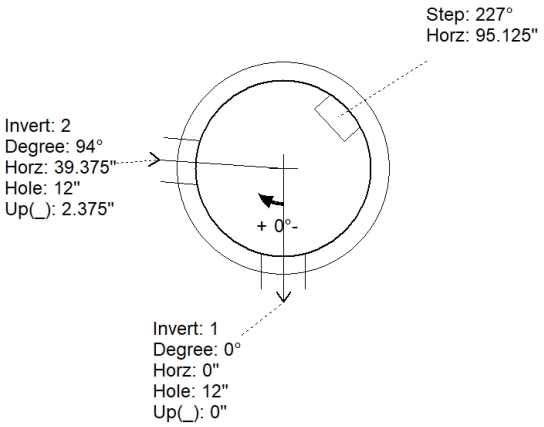
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 561.34' Rim to Invert: 10.04' Slack: 1.48" Sump: 2" Step Position: 227°

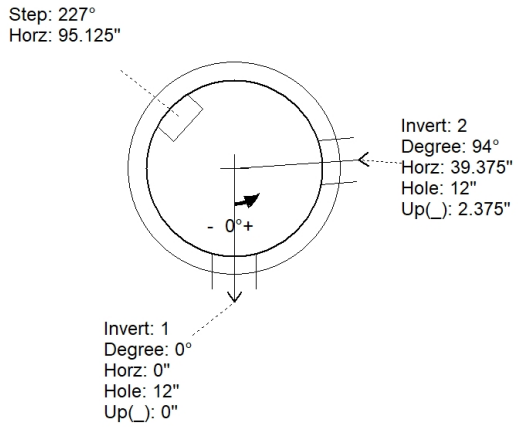
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	551.3'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	551.5'	94°	47.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



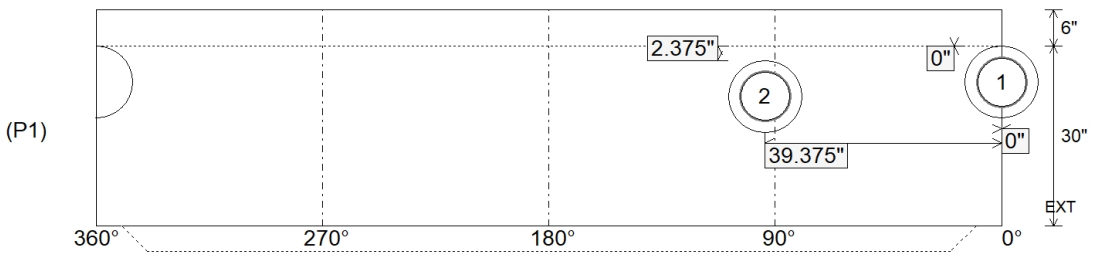
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3330 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.85cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:38 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS1 (9)

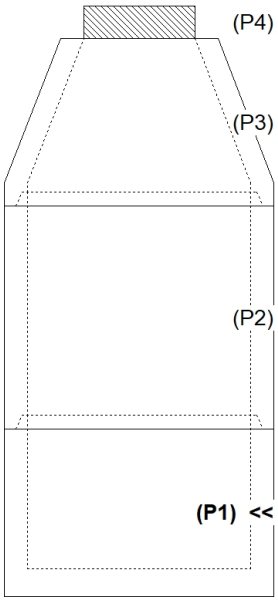
P1A MH048BA30CDARED MH BASE w/ConBlock-CDA Red T/n

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36"	2251 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48"	3353 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	10391 lb

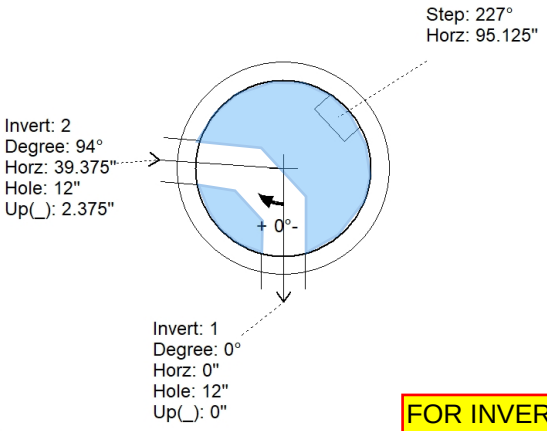
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 561.34' Rim to Invert: 10.04' Slack: 1.48" Sump: 2" Step Position: 227°

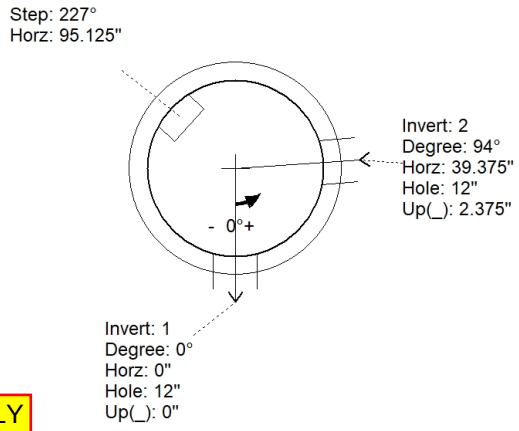
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	551.3'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	551.5'	94°	47.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

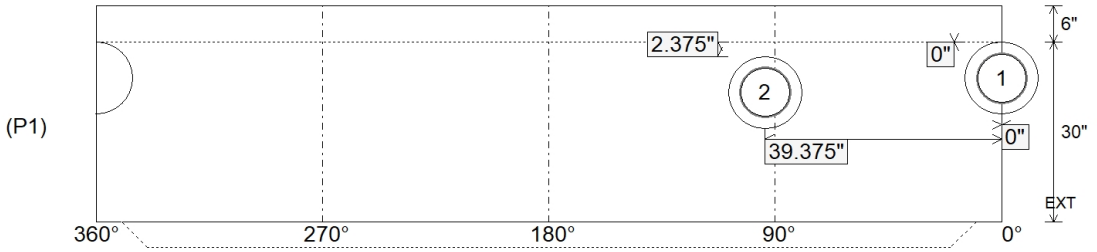


UPSIDE-DOWN VIEW (int. dimenions)



FOR INVERT ONLY

INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3330 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.85cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:09:08 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS1 (9)

P2 MH048RS48CDARED MH RISER w/ConBlock-CDA Red T/G

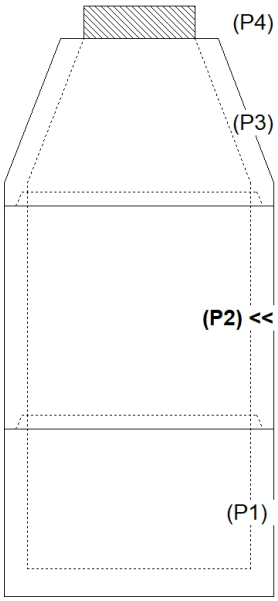
P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36"	2251 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48"	3353 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	10391 lb

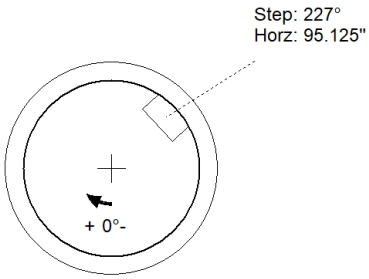
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 561.34' Rim to Invert: 10.04' Slack: 1.48" Sump: 2" Step Position: 227°

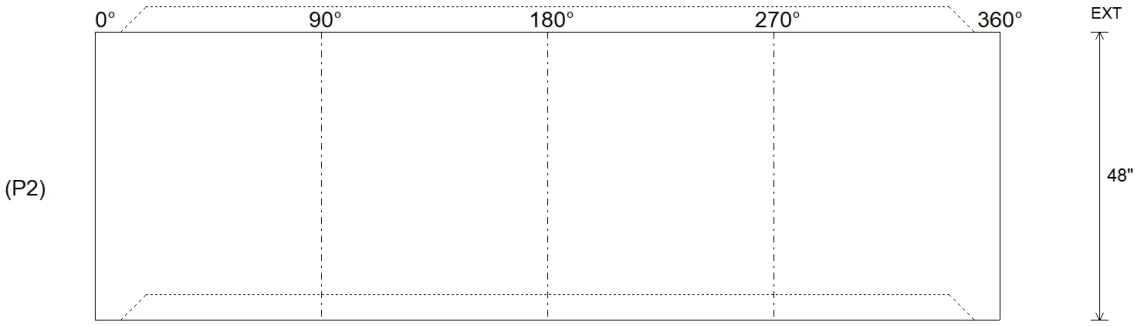
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 48" Height (Ext): 48"	Weight (Net): 3353 lb Volume (Net): 0.86cu.yd

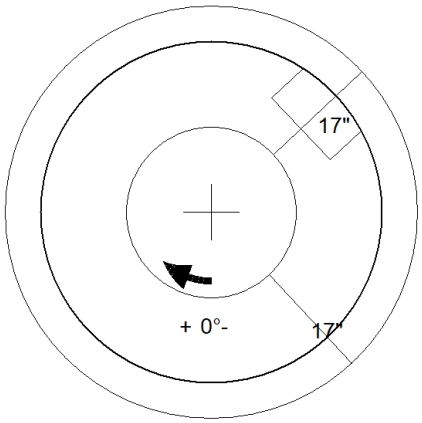
Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:10:08 AM	Tech: J. Horsley PC: E. Bradley	

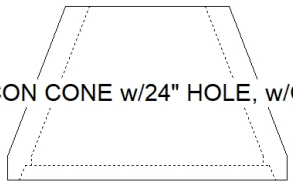
Structure ID: SS1 (9)

P3 MH048CCN36CDARED CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 36"	2251 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 48"	3353 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	10391 lb

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
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: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:38 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS2 (10)

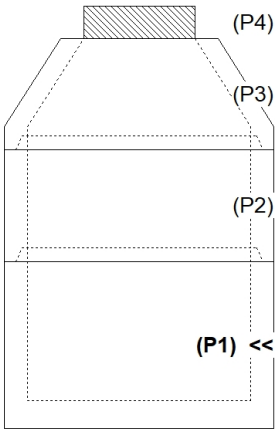
P1 MH048BA30CDARED MH BASE w/ConBlock-CDA Red T/n

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 24"	1677 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
6) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	7760 lb

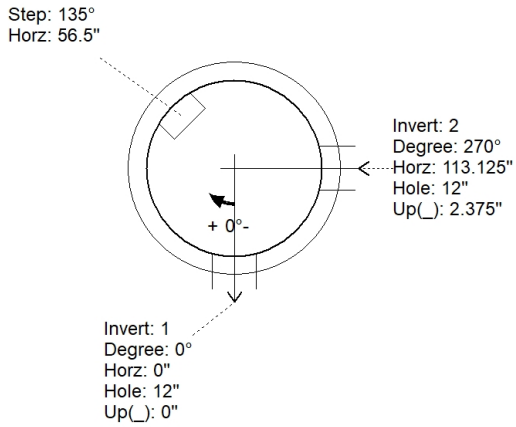
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 567.51' Rim to Invert: 7.11' Slack: 2.32" Sump: 2" Step Position: 135°

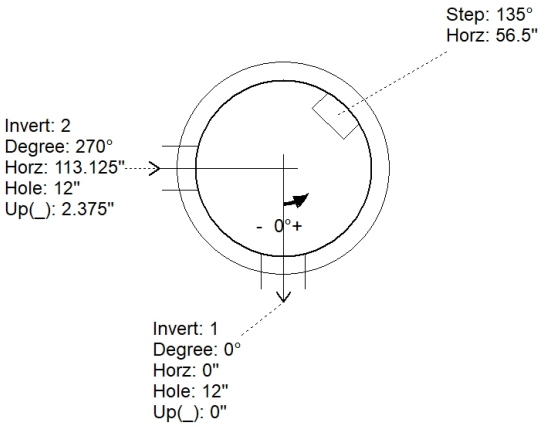
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	560.4'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	560.6'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



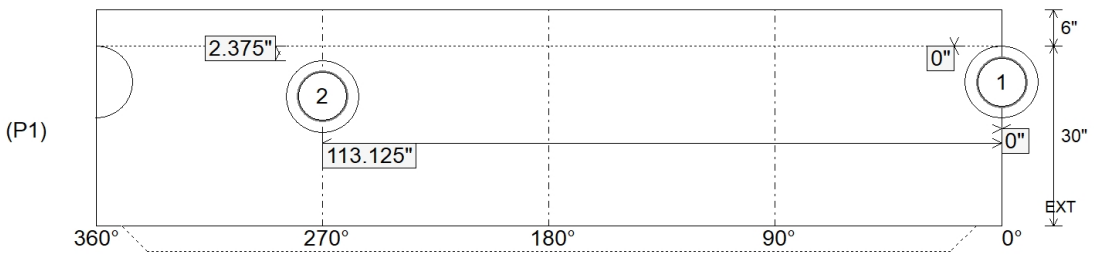
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3330 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.85cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:38 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS2 (10)

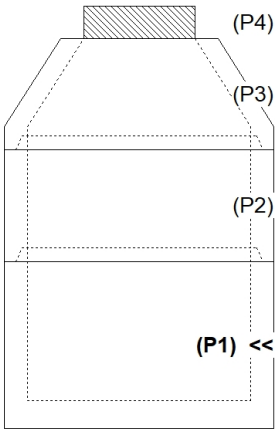
P1A MH048BA30CDARED — **MH BASE w/ConBlock-CDA Red T/n**

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 24"	1677 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
6) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	7760 lb

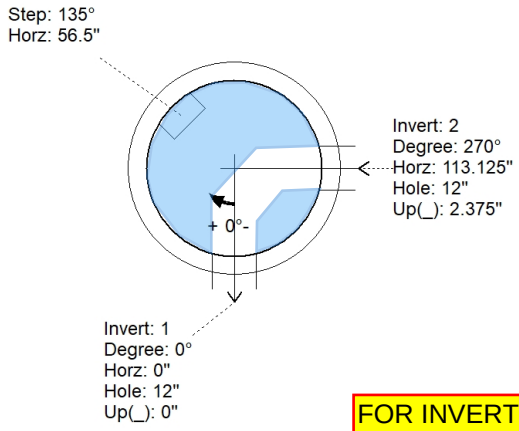
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 567.51' Rim to Invert: 7.11' Slack: 2.32" Sump: 2" Step Position: 135°

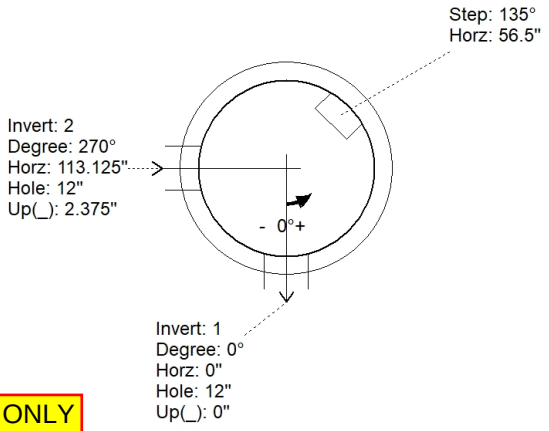
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	560.4'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	560.6'	270°	136.625"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

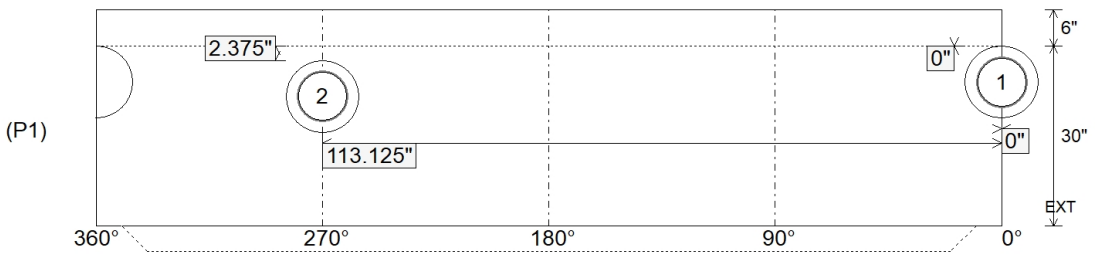


UPSIDE-DOWN VIEW (int. dimenions)



FOR INVERT ONLY

INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3330 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.85cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:09:14 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS2 (10)

P2 MH048RS24CDARED MH RISER w/ConBlock-CDA Red T/G

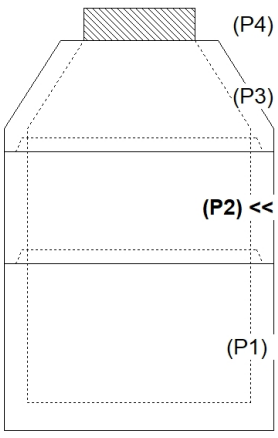
P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 24"	1677 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
6) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	7760 lb

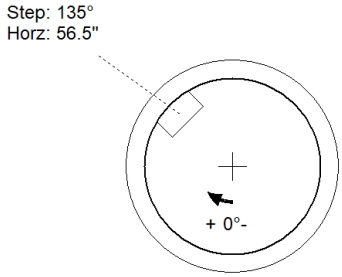
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 567.51' Rim to Invert: 7.11' Slack: 2.32" Sump: 2" Step Position: 135°

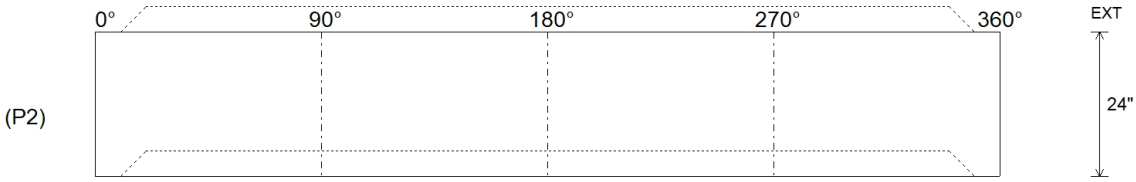
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)





INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 24" Height (Ext): 24"	Weight (Net): 1677 lb Volume (Net): 0.43cu.yd

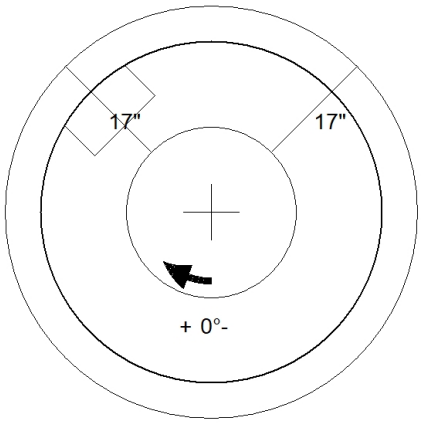
Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:10:08 AM	Tech: J. Horsley PC: E. Bradley	

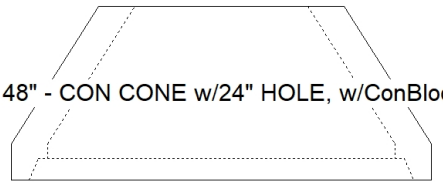
Structure ID: SS2 (10)

P3 MH048CCN24CDARED CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G

P4) 24" - CASTING HEIGHT - 7"	0 lb	
P3) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb	
P2) 48" - MH RISER w/ConBlock-CDA Red T/G - 24"	1677 lb	
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb	
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb	
2) 48" - Conseal CS-102 1.00" (Double)	0 lb	
1) 24" - Conseal CS-102 1.00" (Double)	0 lb	
2) PSX - 12-08 NYLO	16 lb	
6) MH Step ML-10-TDS-NCR - 10"	0 lb	
Structure Total:	7760 lb	

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.





Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 1297 lb Volume (Net): 0.33cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:38 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS3 (11)

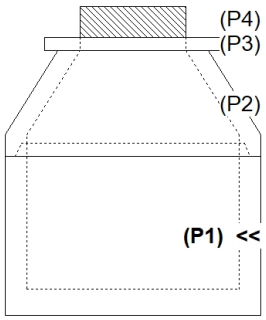
P1 MH048BA30CDARED MH BASE w/ConBlock-CDA Red T/n

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"	202 lb
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	6286 lb

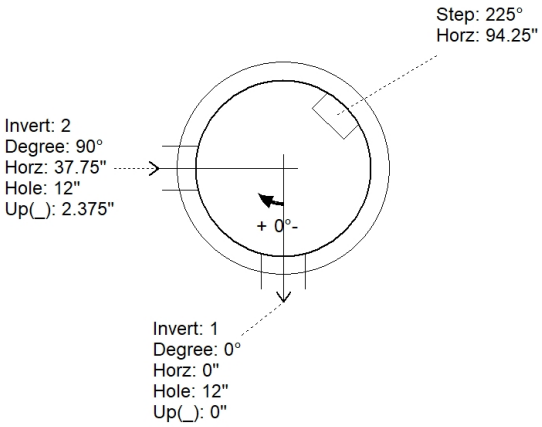
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 570.58' Rim to Invert: 5.23' Slack: 0.76" Sump: 2" Step Position: 225°

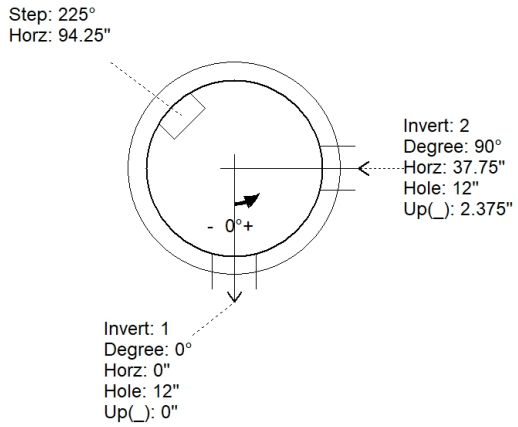
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	565.35'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	565.55'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



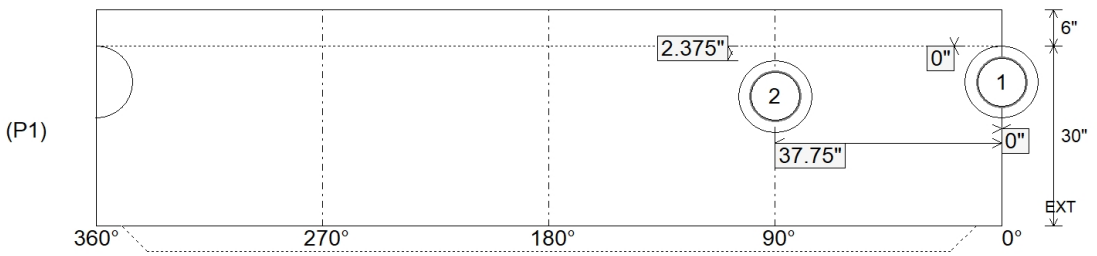
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:38 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS3 (11)

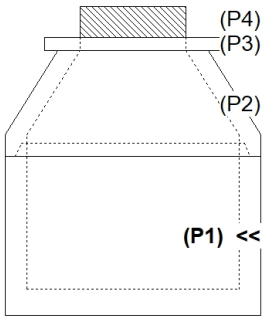
P1A MH048BA30CDARED MH BASE w/ConBlock-CDA Red T/n

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"	202 lb
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	6286 lb

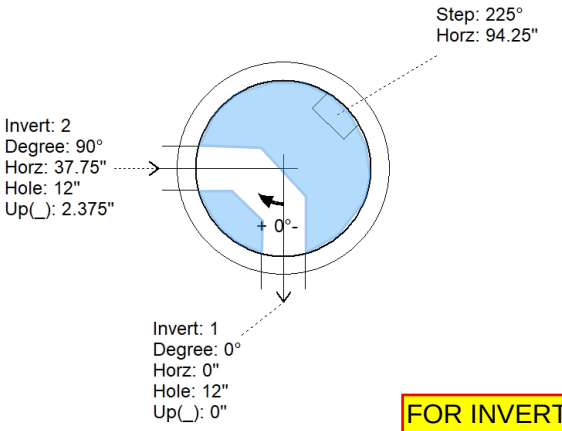
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 570.58' Rim to Invert: 5.23' Slack: 0.76" Sump: 2" Step Position: 225°

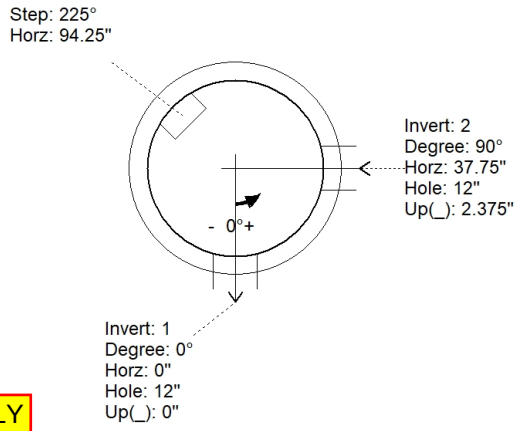
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	565.35'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	565.55'	90°	45.5"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

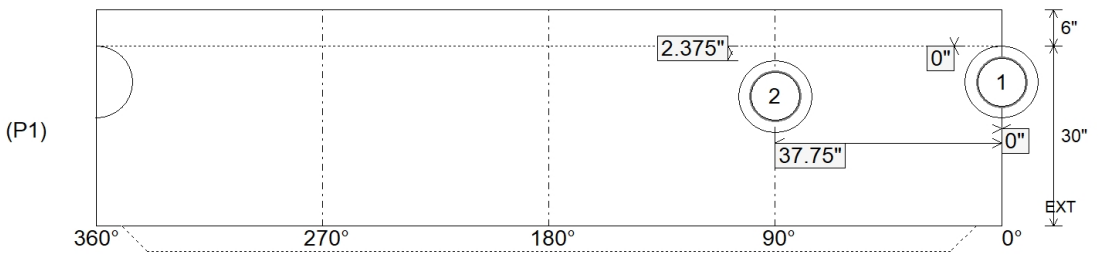


UPSIDE-DOWN VIEW (int. dimenions)



FOR INVERT ONLY

INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3330 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.85cu.yd

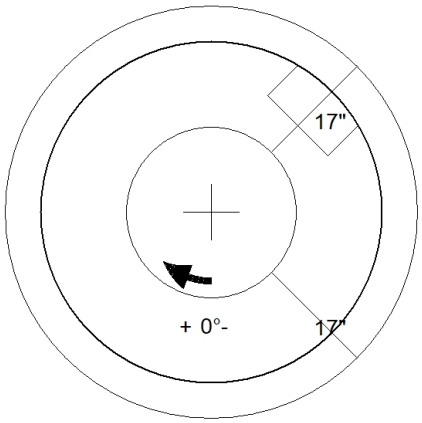
Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:10:08 AM	Tech: J. Horsley PC: E. Bradley	

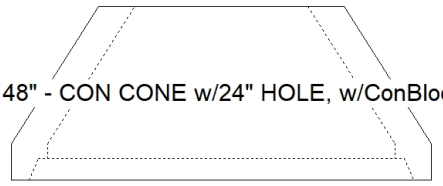
Structure ID: SS3 (11)

P2 MH048CCN24CDARED CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G

P4) 24" - CASTING HEIGHT - 7"	0 lb	
P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"	202 lb	
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb	
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb	
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb	
1) 48" - Conseal CS-102 1.00" (Double)	0 lb	
1) 24" - Conseal CS-102 1.00" (Double)	0 lb	
2) PSX - 12-08 NYLO	16 lb	
4) MH Step ML-10-TDS-NCR - 10"	0 lb	
Structure Total:	6286 lb	

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.





Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 1297 lb Volume (Net): 0.33cu.yd

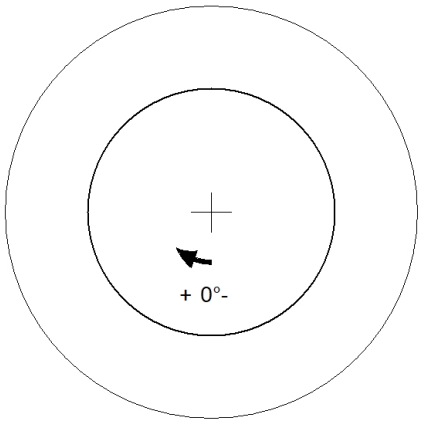
Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:10:09 AM	Tech: J. Horsley PC: E. Bradley	

Structure ID: SS3 (11)

P3 GR3CDARED **GRADE RING w/ConBlock-CDA Red F/F**

P4) 24" - CASTING HEIGHT - 7"		0 lb
P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"		202 lb
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"		1297 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"		3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT		1440 lb
1) 48" - Conseal CS-102 1.00" (Double)		0 lb
1) 24" - Conseal CS-102 1.00" (Double)		0 lb
2) PSX - 12-08 NYLO		16 lb
4) MH Step ML-10-TDS-NCR - 10"		0 lb
	Structure Total:	6286 lb

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



24" - GRADE RING w/ConBlock-CDA Red F/F - 3" - (P3)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 3"	Weight (Net): 202 lb Volume (Net): 0.05cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:39 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS4 (12)

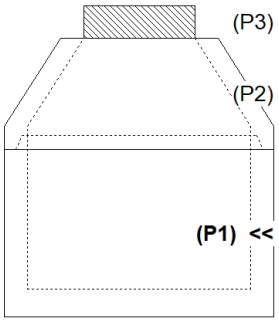
P1 MH048BA30CDARED MH BASE w/ConBlock-CDA Red T/n

P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	6083 lb

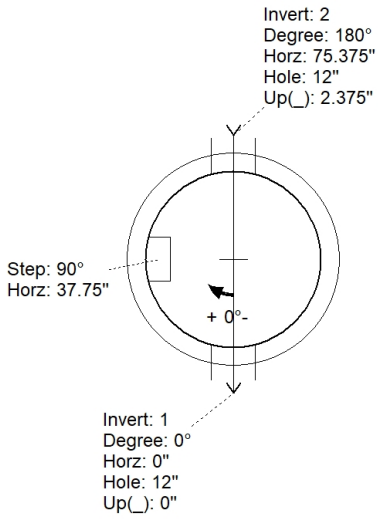
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 580.65' Rim to Invert: 5' Slack: 1" Sump: 2" Step Position: 90°

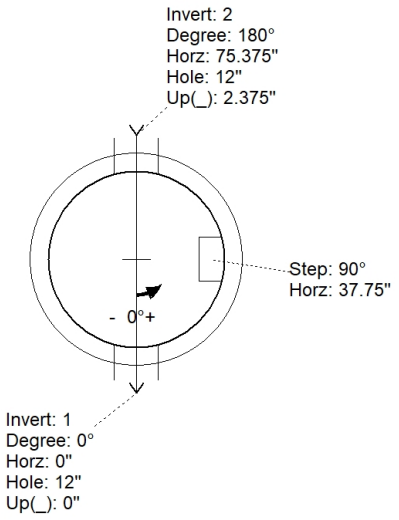
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	575.65'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	575.85'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



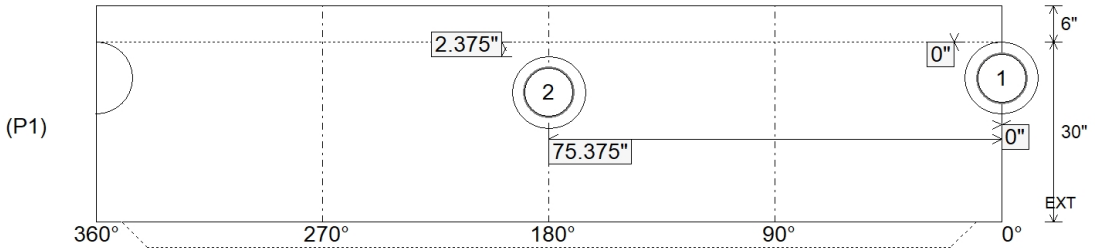
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3330 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.85cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:39 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS4 (12)

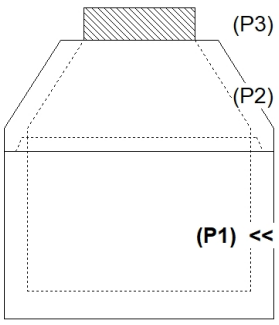
P1A MH048BA30CDARED — **MH BASE w/ConBlock-CDA Red T/n**

P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	6083 lb

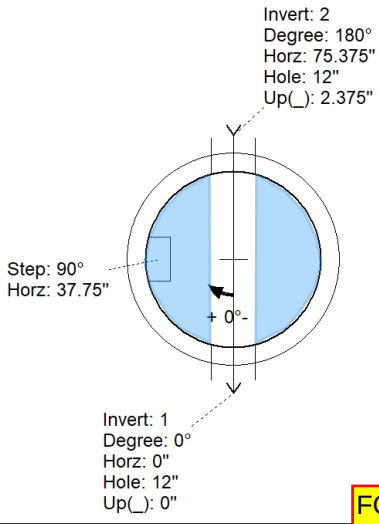
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 580.65' Rim to Invert: 5' Slack: 1" Sump: 2" Step Position: 90°

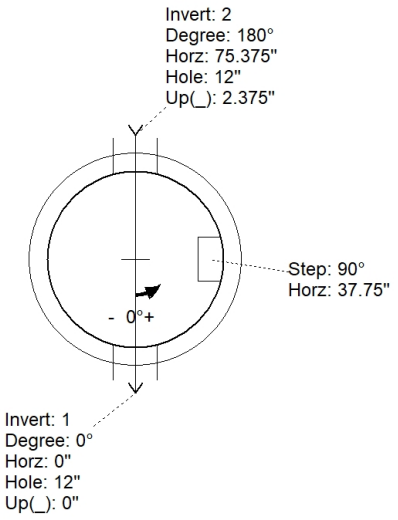
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	575.65'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	575.85'	180°	91.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.375"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

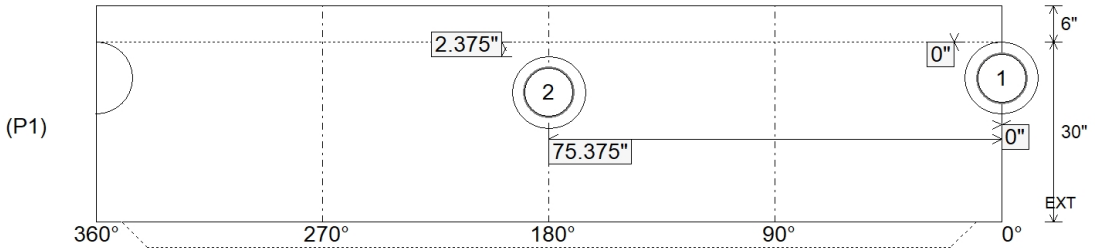


UPSIDE-DOWN VIEW (int. dimenions)



FOR INVERT ONLY

INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 30"	Weight (Net): 3330 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 36"	Volume (Net): 0.85cu.yd

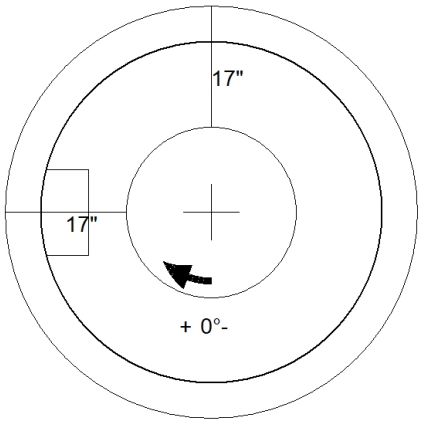
Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:10:09 AM	Tech: J. Horsley PC: E. Bradley	

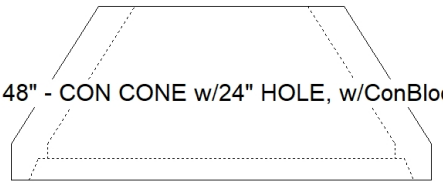
Structure ID: SS4 (12)

P2 MH048CCN24CDARED CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G

P3) 24" - CASTING HEIGHT - 7"	0 lb	
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb	
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 30"	3330 lb	
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb	
1) 48" - Conseal CS-102 1.00" (Double)	0 lb	
1) 24" - Conseal CS-102 1.00" (Double)	0 lb	
2) PSX - 12-08 NYLO	16 lb	
4) MH Step ML-10-TDS-NCR - 10"	0 lb	
Structure Total:	6083 lb	

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.





Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 1297 lb Volume (Net): 0.33cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:39 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: SS5 (13)

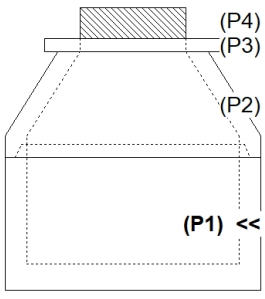
P1 MH048BA24CDARED MH BASE w/ConBlock-CDA Red T/n

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"	202 lb
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24"	2959 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
1) PSX - 12-08 NYLO	8 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	5906 lb

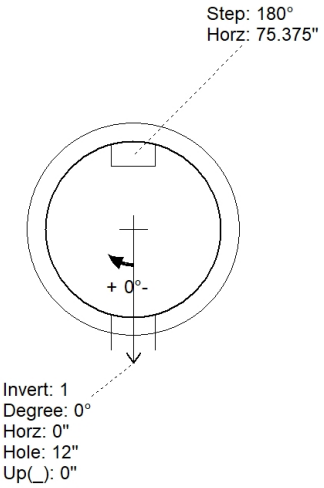
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 585.96' Rim to Invert: 4.71' Slack: 0.524" Sump: 2.004" Step Position: 180°

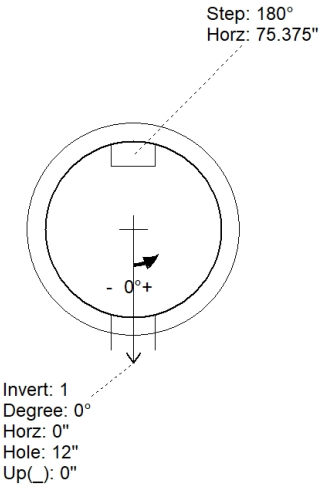
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	581.25'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



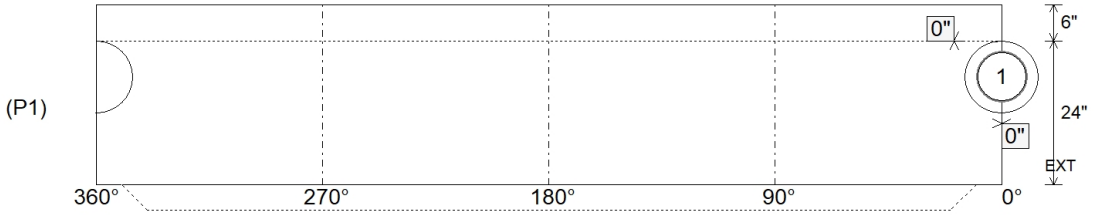
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 24"	Weight (Net): 2959 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 30"	Volume (Net): 0.76cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:08:39 AM	Tech: J. Horsley PC: E. Bradley	

Structure ID: SS5 (13)

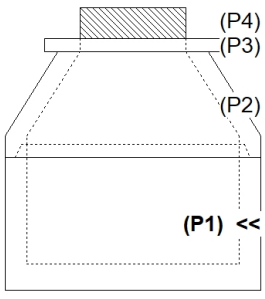
P1A MH048BA24CDARED MH BASE w/ConBlock-CDA Red T/n

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"	202 lb
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24"	2959 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
1) 24" - Conseal CS-102 1.00" (Double)	0 lb
1) PSX - 12-08 NYLO	8 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	5906 lb

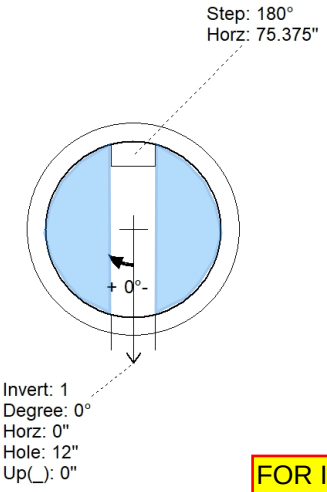
Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 585.96' Rim to Invert: 4.71' Slack: 0.524" Sump: 2.004" Step Position: 180°

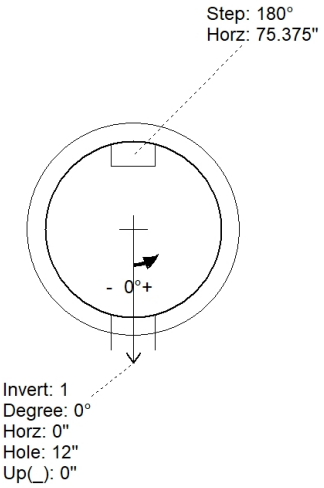
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	581.25'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

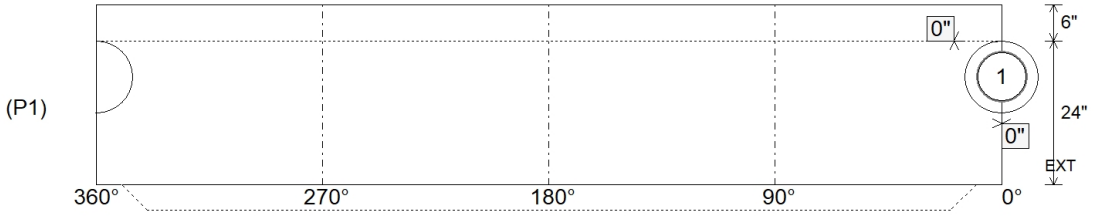


UPSIDE-DOWN VIEW (int. dimenions)



FOR INVERT ONLY

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): 2959 lb Volume (Net): 0.76cu.yd

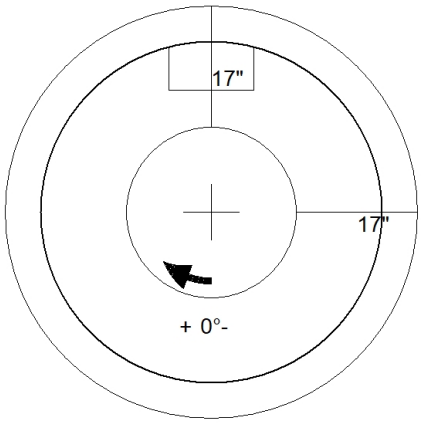
Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:10:09 AM	Tech: J. Horsley PC: E. Bradley	

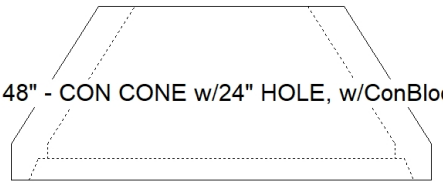
Structure ID: SS5 (13)

P2 MH048CCN24CDARED CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G

P4) 24" - CASTING HEIGHT - 7"	0 lb	
P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"	202 lb	
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"	1297 lb	
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24"	2959 lb	
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb	
1) 48" - Conseal CS-102 1.00" (Double)	0 lb	
1) 24" - Conseal CS-102 1.00" (Double)	0 lb	
1) PSX - 12-08 NYLO	8 lb	
4) MH Step ML-10-TDS-NCR - 10"	0 lb	
Structure Total:	5906 lb	

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.





Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 24"	Weight (Net): 1297 lb Volume (Net): 0.33cu.yd

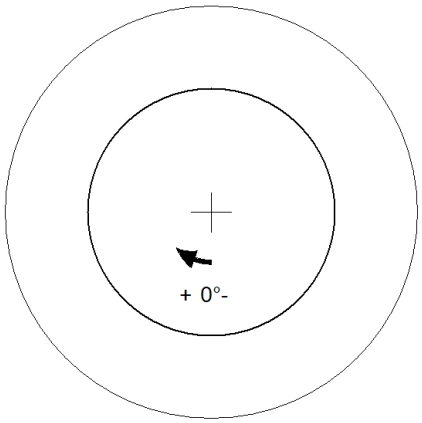
Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:10:09 AM	Tech: J. Horsley PC: E. Bradley	

Structure ID: SS5 (13)

P3 GR3CDARED — GRADE RING w/ConBlock-CDA Red F/F

P4) 24" - CASTING HEIGHT - 7"		0 lb
P3) 24" - GRADE RING w/ConBlock-CDA Red F/F - 3"		202 lb
P2) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red F/G - 24"		1297 lb
P1) 48" - MH BASE w/ConBlock-CDA Red T/n - 24"		2959 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT		1440 lb
1) 48" - Conseal CS-102 1.00" (Double)		0 lb
1) 24" - Conseal CS-102 1.00" (Double)		0 lb
1) PSX - 12-08 NYLO		8 lb
4) MH Step ML-10-TDS-NCR - 10"		0 lb
	Structure Total:	5906 lb

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. ADMIXTURE = CONBLOCK CDA RED.
4. CASTING (JBS-1150 F/C) SUPPLIED BY CONTRACTOR).
.
REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



24" - GRADE RING w/ConBlock-CDA Red F/F - 3" - (P3)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 8"	Height (Ext): 3"	Weight (Net): 202 lb Volume (Net): 0.05cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:10:59 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: ST0 (2)

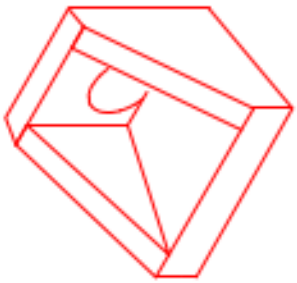
P1 HWAW12F 12" - HW AW w/FLAT BOTTOM F/F

DIMENSIONS & QUANTITIES

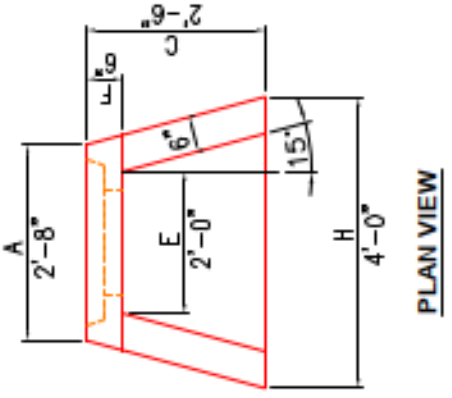
TYPE	PIPE Ø	A	B	C	D	E	F	G	H	WEIGHT W/TOE	WEIGHT
AW	12"	2'-8"	4'-0"	2'-6"	2'-2"	2'-0"	6"	0"	4'-0"	1,630 LBS.	1,380 LBS.

NOTES:

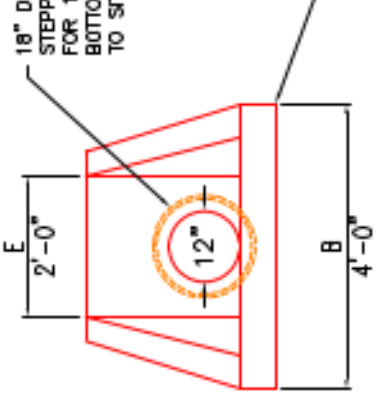
1. CONCRETE: 4500 PSI AT 28 DAYS MINIMUM COMPRESSIVE STRENGTH.
2. REINFORCING: #4 BAR @ 12" C/C E.W.-GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH NON-SHRINK GROUT AFTER SETTING.
5. PREFORMED STEPPED HOLE SIZED AS PER O.D. OF PIPE + 3"-4", OPTIONAL FOOTING (TOE) AVAILABLE FOR ALL SIZES.



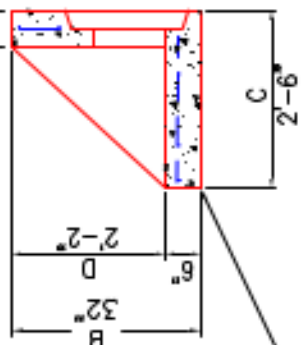
ISOMETRIC VIEW



PLAN VIEW



FRONT ELEVATION



SECTION A-A

PRODUCTION WORK ORDER

PRODUCT I.D.: HWAW12F
PRODUCT VIEW: RIGHT SIDE UP
PLANT: BEAVER DAM, KY.
WEIGHT: 1,380 LBS.
TOP SECTION JOINT: N/A
BASE SECTION JOINT: N/A
QC CHECK INITIALS:

DESCRIPTION: 12In AW HEADWALL FLAT BOTTOM
CUSTOMER: STOCK
PROJECT: STOCK
STRUCTURE ID.: T.B.D.
SALES ORDER NO: T.B.D.
CHECK: B. SMITH
DRAWING: J. HORSLEY
DATE: 06/17/26
SCALE: NTS
PG. 1 of 1

QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ STEPPED HF CORRECT SIZE.
- ☐ REINFORCING CORRECT.
- ☐ CLEARANCE ON REINFORCING CORRECT.
- ☐ EDGES CHAMFERED.
- ☐ ALL PATCHWORK ACCEPTABLE.

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Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:08:36 AM	Tech: J. Horsley PC: E. Bradley	

Structure ID: ST1 (3)

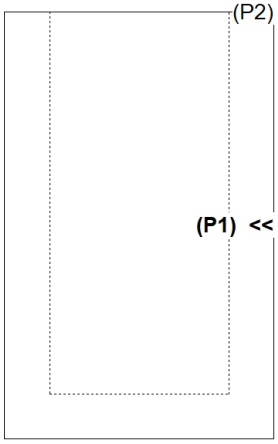
P1 BX24240606VF — **BOX BASE 6inW, 6inF, Variable Ht F/n**

P2) 24" x 24" - CASTING HEIGHT - 0"	0 lb
P1) 24" x 24" - BOX BASE 6inW, 6inF, Variable Ht F/n - 51"	3550 lb
1) 24" x 24" - Conseal CS-102 1.00"	0 lb
1) Hole - 18	0 lb
1) Hole - 10	0 lb
Structure Total:	3550 lb

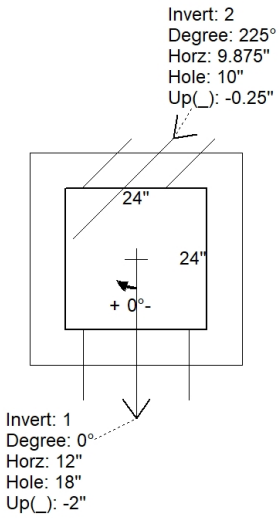
Structure Notes: .
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. TRASHRACK SUPPLIED BY CONTRACTOR.
..
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 567.75' Rim to Invert: 4.25' Slack: 0" Sump: 0" Step Position:

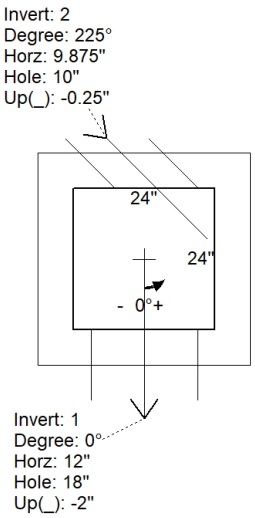
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	563.5'	0°	18"	12" RCP B WALL	16"	Hole 18	18"	18"	-2"	0"
Invert 2	563.5'	225°	21.875"	6" PVC SCH40	6.625"	Hole 10	10"	14.142"	-0.25"	-10"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



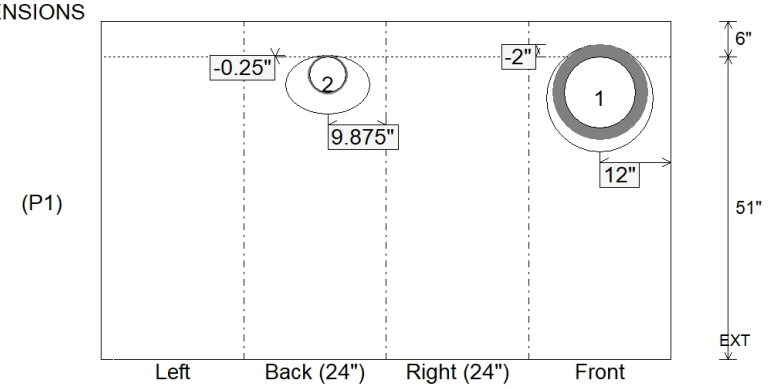
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 51" Height (Ext): 57"	Weight (Net): 3550 lb Volume (Net): 0.91cu.yd

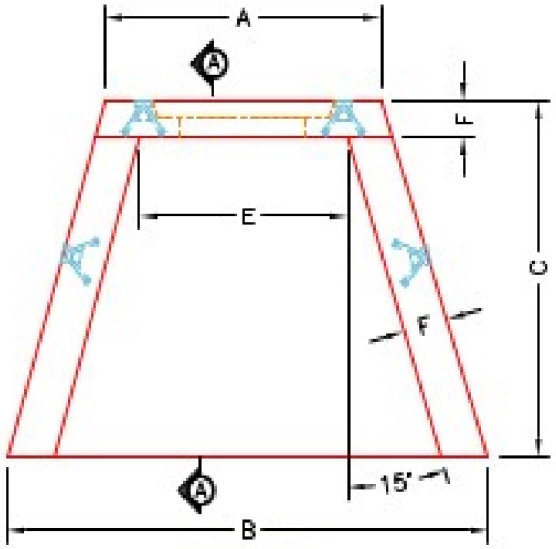
Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Structure ID: ST2 (4)

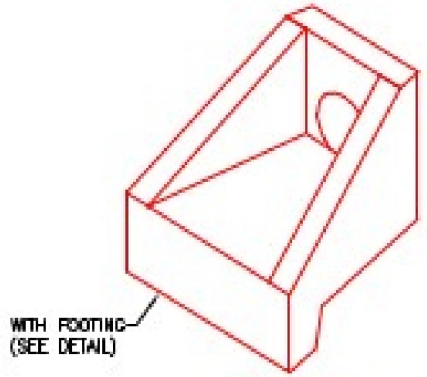
P1 HWAW15F 15" - HW AW w/FLAT BOTTOM F/F

Plant: 100
9/8/2026 9:10:59 AM
Tech: J. Horsley
PC: E. Bradley

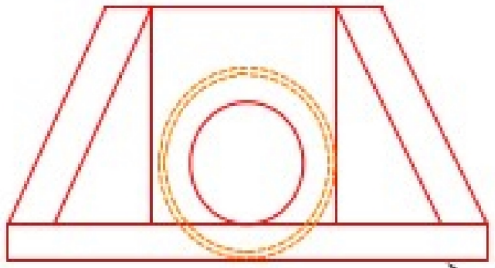
DIMENSIONS & QUANTITIES									
TYPE	PIPE ø	A	B	C	D	E	F	G	WEIGHT
AW	15"	2'-8"	4'-0"	2'-6"	2'-2"	2'-0"	6"	0"	1,380 LBS.



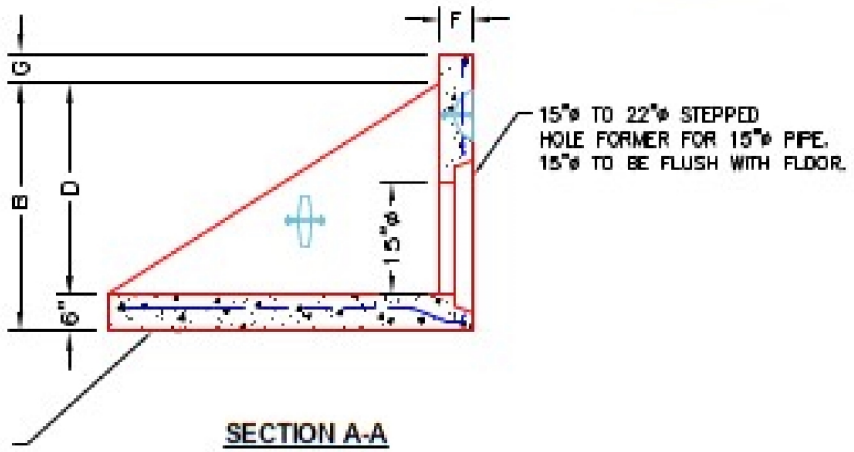
PLAN VIEW



ISOMETRIC VIEW



FRONT ELEVATION



SECTION A-A

~NOTES:

1. CONCRETE: 4500 PSI AT 28 DAYS MIN. STRENGTH.
2. REINFORCING: #4 BAR @ 12" C/C E.W.–GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.

PRODUCTION WORK ORDER					
QUALITY CONTROL CHECKLIST	PRODUCT I.D.: HWAW15F	DESCRIPTION: AW WINGED HEADWALL FOR 15"ø PIPE			
☐ ALL DIMENSIONS CORRECT.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: STOCK			
☐ LIFTERS INSTALLED.	PLANT: BEAVER DAM, KY.	PROJECT: STOCK			
☐ STEPPED HF CORRECT SIZE.	WEIGHT: 1,630 LBS.	STRUCTURE ID.: STOCK			
☐ REINFORCING CORRECT.	TOP SECTION JOINT: N/A	SALES ORDER NO: T.B.D.			
☐ CLEARANCE ON REINFORCING CORRECT.	BASE SECTION JOINT: N/A	CHECK: A. WELLS	DRAWING: J. HORSLEY		
☐ EDGES CHAMFERED.	QC CHECK INITIALS:	DATE: 09/25/24	SCALE: NTS	PG. 1 of 1	
☐ ALL PATCHWORK ACCEPTABLE.					

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Job Name: 26-1057 - The Courtside Enclave Final SP
Job Location: Antioch, TN
Contractor: Hayes Pipe Supply

Plant: 100
9/8/2026 9:08:37 AM

Tech: J. Horsley
PC: E. Bradley

Structure ID: ST3 (5)

P1 MH048BAVF **MH BASE Custom Ht F/n**

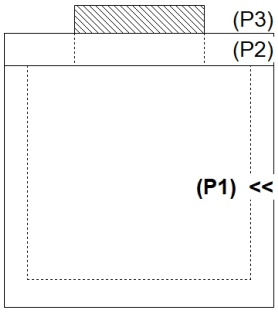
P3) 28" x 28" - CASTING HEIGHT - 6"	0 lb
P2) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7"	1091 lb
P1) 48" - MH BASE Custom Ht F/n - 46"	4214 lb
1) 48" - Conseal CS-102 1.00"	0 lb
2) Hole - 22	0 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	5306 lb

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,00 PSI AT 28 DAYS.
3. CASTING (JBS 4310 F/G) SUPPLIED BY CONTRACTOR.

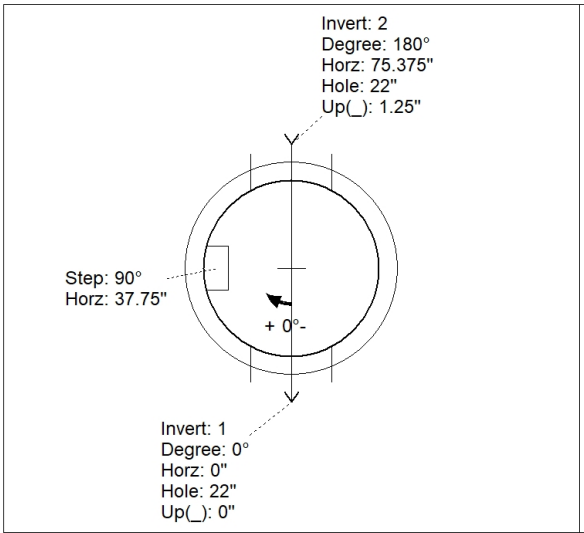
.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB = H20 LOADING.
- WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 572.99' Rim to Invert: 4.79' Slack: 0.73" Sump: 2.25" Step Position: 90°

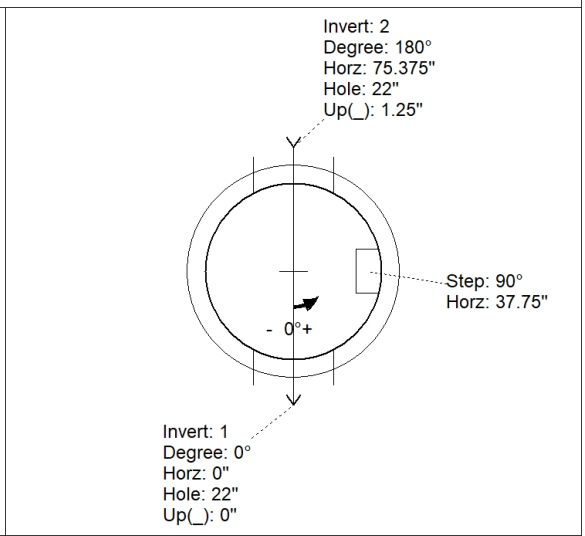
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	568.2'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	0"	0"
Invert 2	568.3'	180°	91.125"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



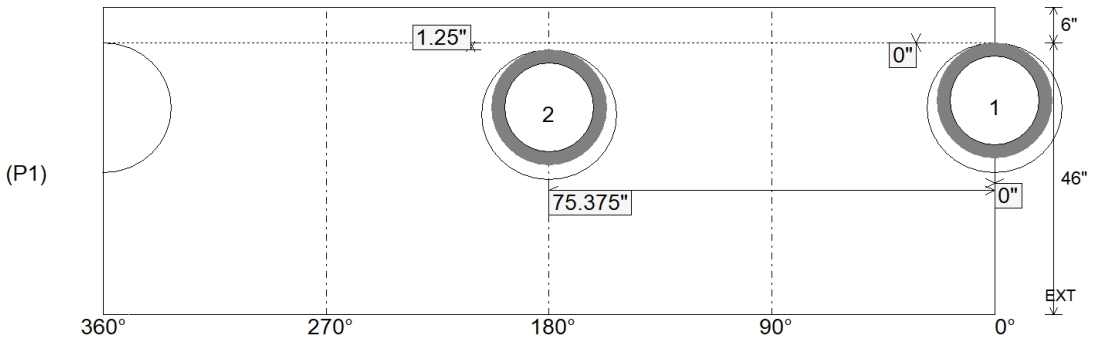
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 5"	Height (Int): 46"	Weight (Net): 4214 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 52"	Volume (Net): 1.08cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:10:07 AM	Tech: J. Horsley PC: E. Bradley	

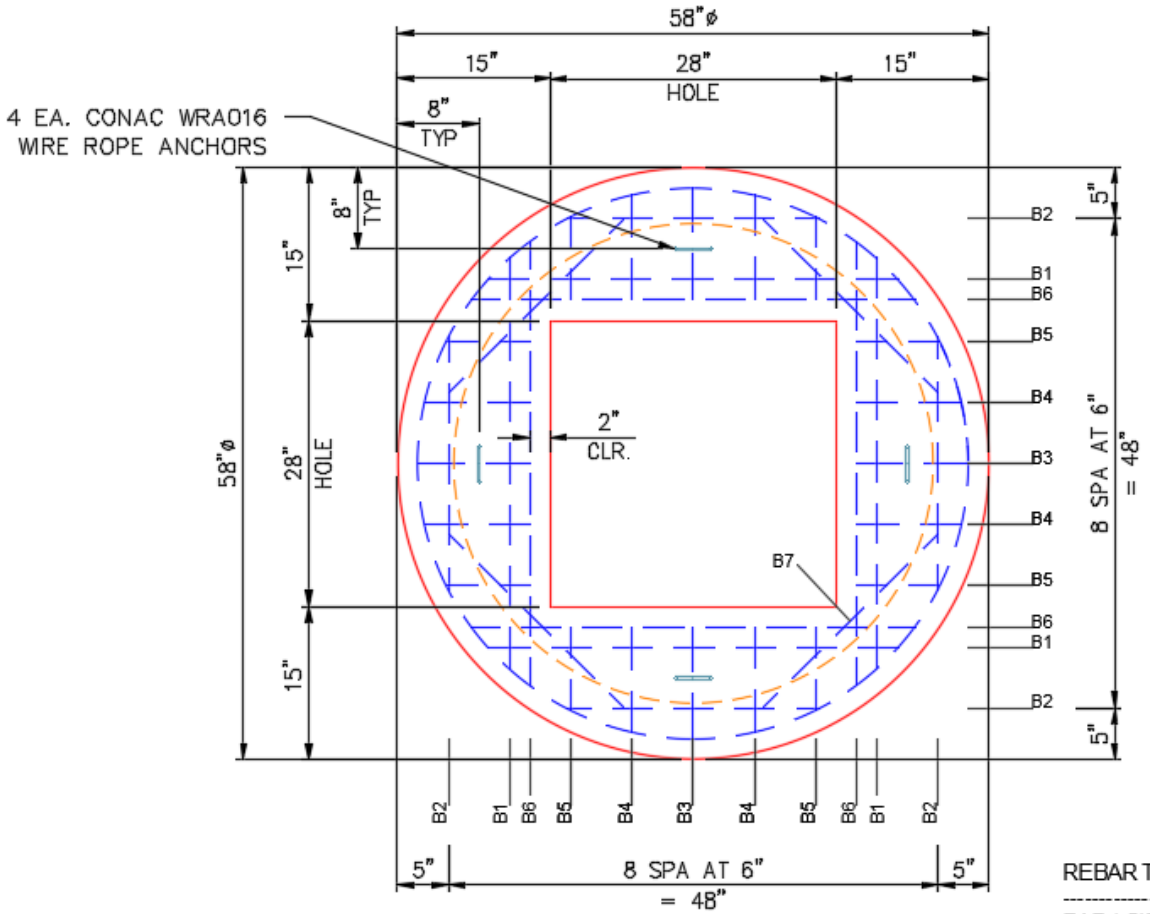
Structure ID: ST3 (5)

P2 MH048LD07-28SQ — **MH FLAT TOP w/28"x28" Hole F/F**

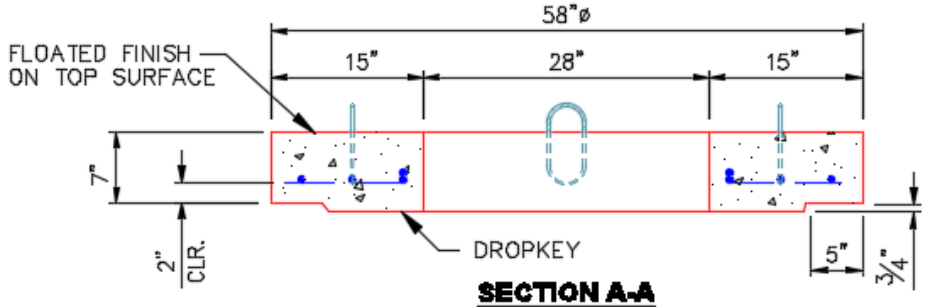
P3) 28" x 28" - CASTING HEIGHT - 6"	0 lb
P2) 48" - MH FLAT TOP w/28"x28" Hole F/F - 7"	1091 lb
P1) 48" - MH BASE Custom Ht F/n - 46"	4214 lb
1) 48" - Conseal CS-102 1.00"	0 lb
2) Hole - 22	0 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	5306 lb

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,00 PSI AT 28 DAYS.
3. CASTING (JBS 4310 F/G) SUPPLIED BY CONTRACTOR.

.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB = H20 LOADING.
- WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



SECTION A-A

REBAR TAKEOFF

BAR	SIZE	LENGTH	QTY	SHAPE
B1	#5	40 in (3'-4")	4 pcs	STR
B2	#5	25 in (2'-1")	4 pcs	STR
B3	#5	11 in (0'-11")	4 pcs	STR
B4	#5	10 in (0'-10")	8 pcs	STR
B5	#5	8 in (0'-8")	8 pcs	STR
B6	#5	43 in (3'-7")	4 pcs	STR
B7	#5	24 in (2'-0")	4 pcs	DIAG

Total Pieces: 36 Pcs
Total Footage: 60.17 LF
Total Weight: 62.76 lbs (0.031 Tons)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Flat	Wall Thickness: 5"	Height (Ext): 7"	Weight (Net): 1091 lb Volume (Net): 0.28cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:08:37 AM	Tech: J. Horsley PC: E. Bradley	

Structure ID: ST4 (6)

P1 MH048BA42 MH BASE T/n

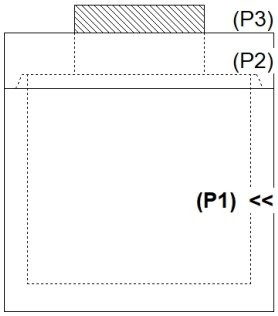
P3) 28" x 28" - CASTING HEIGHT - 6"	0 lb
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"	1368 lb
P1) 48" - MH BASE T/n - 42"	3935 lb
1) 48" - Conseal CS-102 1.00"	0 lb
2) Hole - 22	0 lb
3) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	5303 lb

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,00 PSI AT 28 DAYS.
3. CASTING (JBS 4310 F/G) SUPPLIED BY CONTRACTOR.

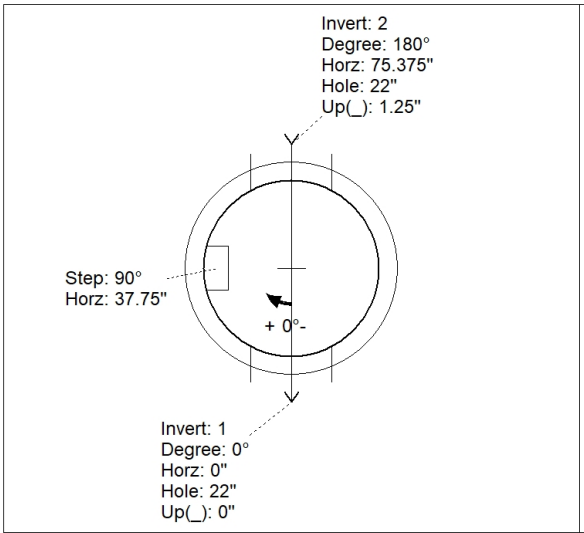
.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB = H20 LOADING.
- WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 579.52' Rim to Invert: 4.82' Slack: 0.09" Sump: 2.25" Step Position: 90°

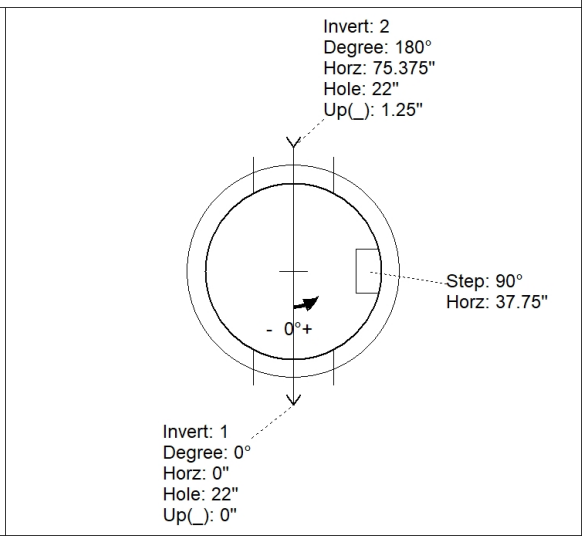
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	574.7'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	0"	0"
Invert 2	574.8'	180°	91.125"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



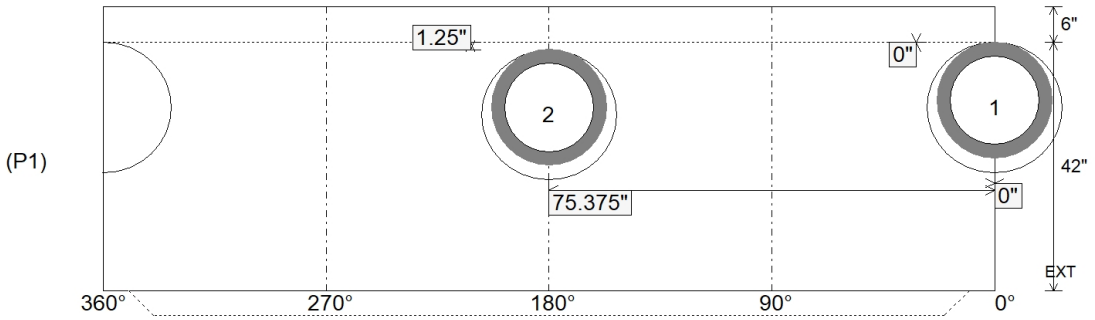
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 42" Height (Ext): 48"	Weight (Net): 3935 lb Volume (Net): 1cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:10:07 AM	Tech: J. Horsley PC: E. Bradley	

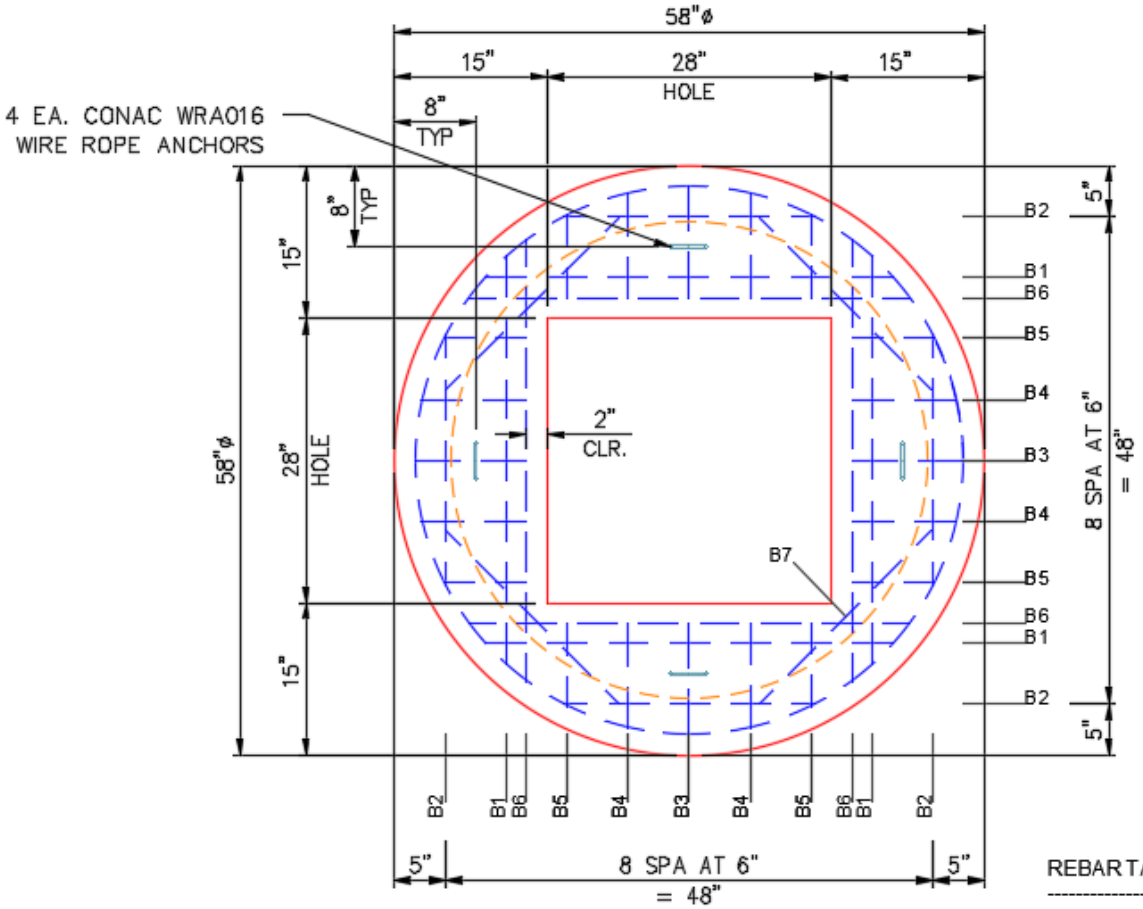
Structure ID: ST4 (6)

P2 MH048LD12-28SQ **MH FLAT TOP w/28"x28" Hole F/G**

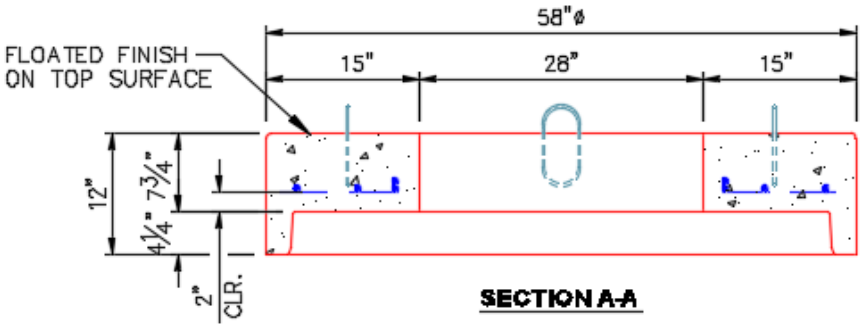
P3) 28" x 28" - CASTING HEIGHT - 6"	0 lb
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"	1368 lb
P1) 48" - MH BASE T/n - 42"	3935 lb
1) 48" - Conseal CS-102 1.00"	0 lb
2) Hole - 22	0 lb
3) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	5303 lb

Structure Notes: .
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,00 PSI AT 28 DAYS.
3. CASTING (JBS 4310 F/G) SUPPLIED BY CONTRACTOR.

.
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB = H20 LOADING.
- WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



SECTION A-A

REBAR TAKEOFF

BAR	SIZE	LENGTH	QTY	SHAPE
B1	#5	40 in (3'-4")	4 pcs	STR
B2	#5	25 in (2'-1")	4 pcs	STR
B3	#5	11 in (0'-11")	4 pcs	STR
B4	#5	10 in (0'-10")	8 pcs	STR
B5	#5	8 in (0'-8")	8 pcs	STR
B6	#5	43 in (3'-7")	4 pcs	STR
B7	#5	24 in (2'-0")	4 pcs	DIAG

Total Pieces: 36 Pcs
Total Footage: 60.17 LF
Total Weight: 62.76 lbs (0.031 Tons)

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 12"	Weight (Net): 1368 lb Volume (Net): 0.35cu.yd

Job Name: 26-1057 - The Courtside Enclave Final SP Job Location: Antioch, TN Contractor: Hayes Pipe Supply	Plant: 100 9/8/2026 9:08:37 AM	Tech: J. Horsley PC: E. Bradley	

Structure ID: ST5 (7)

P1 BX2828-06BA48 BOX BASE 6inW, 6inF F/n

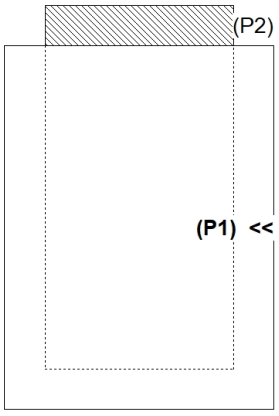
P2) 28" x 28" - CASTING HEIGHT - 6"	0 lb
P1) 28" x 28" - BOX BASE 6inW, 6inF F/n - 48"	3901 lb
1) 28" x 28" - Conseal CS-102 1.00"	0 lb
1) Hole - 22	0 lb
Structure Total:	3901 lb

Structure Notes: .
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,00 PSI AT 28 DAYS.
3. CASTING (JBS 4310 F/G) SUPPLIED BY CONTRACTOR.

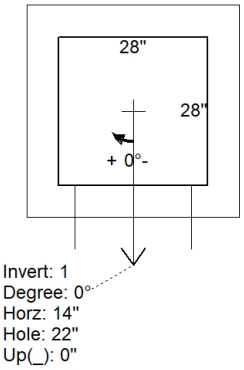
.
REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 583.97' Rim to Invert: 4.45' Slack: 1.656" Sump: 2.256" Step Position:

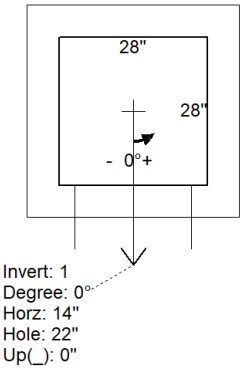
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	579.52'	0°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



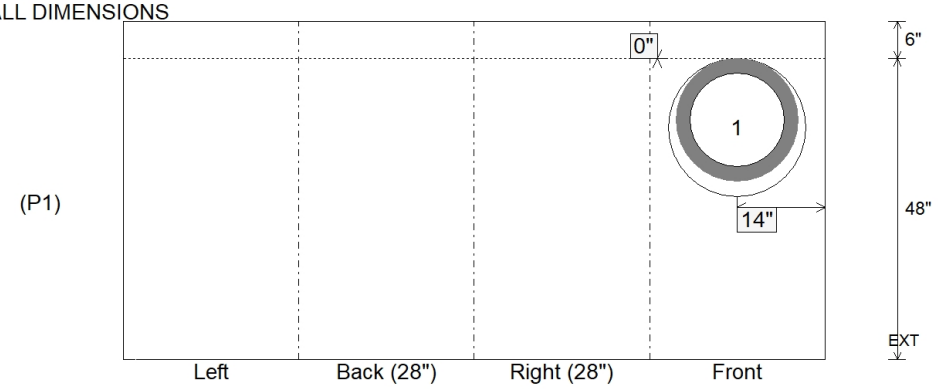
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 48" Height (Ext): 54"	Weight (Net): 3901 lb Volume (Net): 1cu.yd