

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100

Tech: J. Horsley - F

11/6/2025 4:41:51 PM

PC: C. Goff

Structure ID: B-1

P1 MH048BAVF

MH BASE Custom Ht T/n

- P3) 24" x 36" - CASTING HEIGHT - 12"
- P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
- P1) 48" - MH BASE Custom Ht T/n - 39"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 22
- 3) MH Step ML-10-TDS-NCR - 10"

0 lb
 1300 lb
 3725 lb
 1440 lb
 442 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 6907 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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.

**SECONDARY POUR
 REQUIRED
 SEE SHEET P1A**

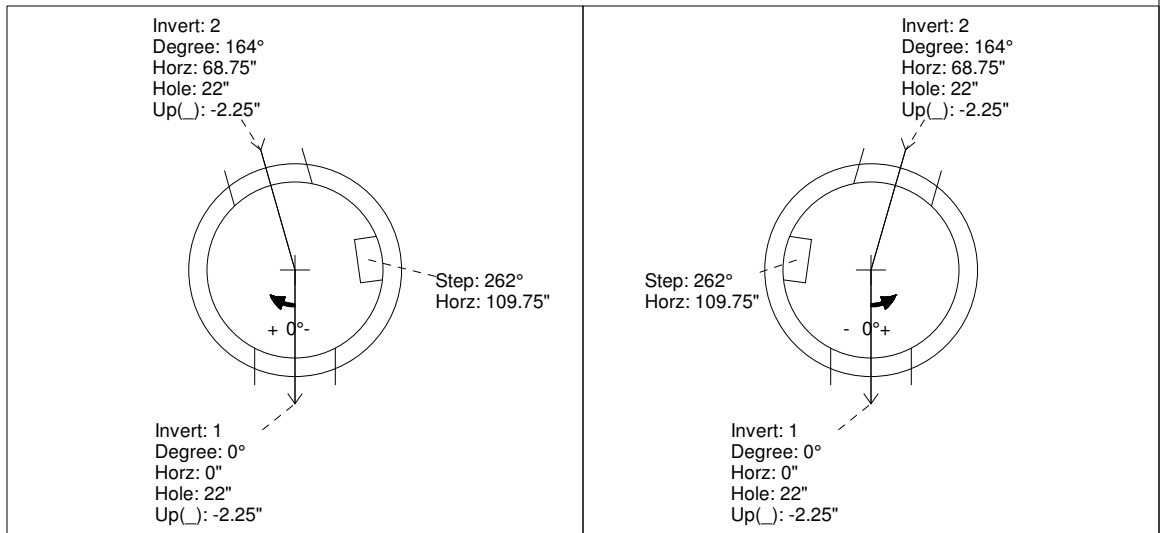
Structure Total: 6907 lb

Rim: 974.18' Rim to Invert: 5.31' Slack: 0.72" Sump: 0" Step Position: 262°

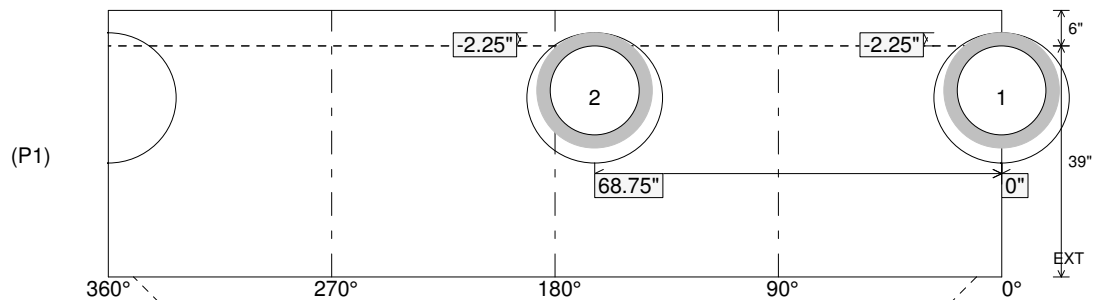
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	968.87'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2	968.87'	164°	83"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

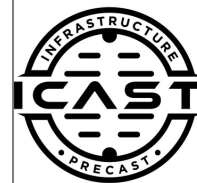
Height (Int): 39"
 Height (Ext): 45"

Weight (Net): 3725 lb
 Volume (Net): 0.95cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:37:33 PM

Tech: J. Horsley - F
 PC: C. Goff



Structure ID: B-1

P1A STORMINVERT12

STORM INVERT CHANNEL 1/2 HEIGHT

- P3) 24" x 36" - CASTING HEIGHT - 12"
- P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
- P1) 48" - MH BASE Custom Ht T/n - 39"

1) STORM INVERT CHANNEL - 1/2 HEIGHT

- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 22
- 3) MH Step ML-10-TDS-NCR - 10"

0 lb
 1300 lb
 3725 lb
 1440 lb
 442 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 6907 lb

Structure Notes:

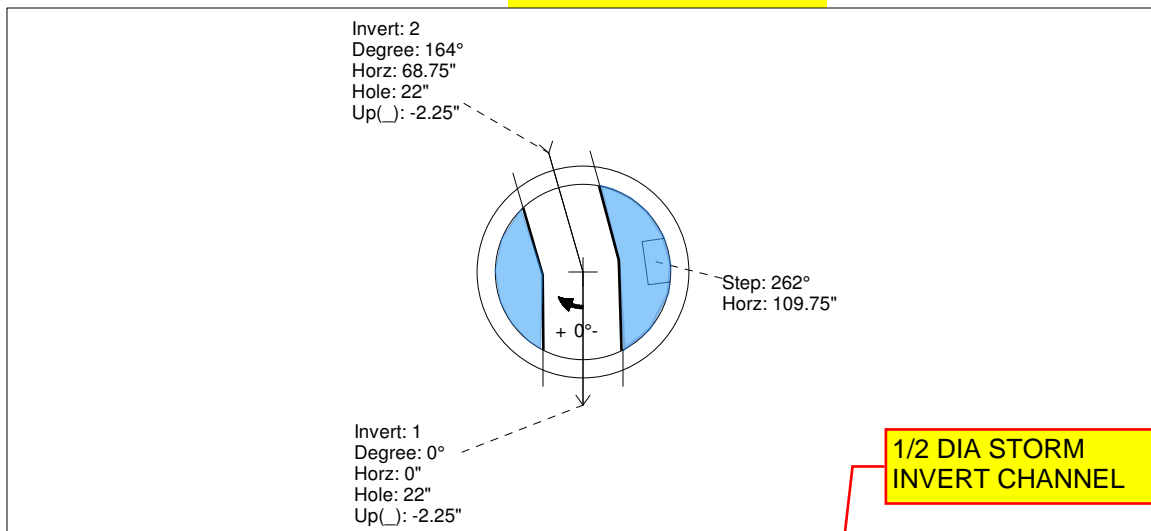
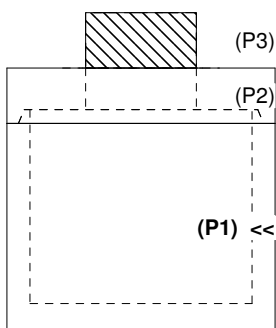
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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.

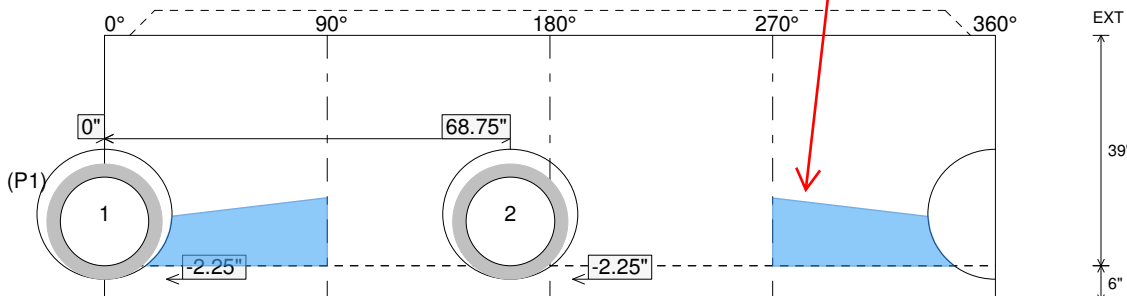
Rim: 974.18' Rim to Invert: 5.31' Slack: 0.72" Sump: 0" Step Position: 262°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	968.87'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2	968.87'	164°	83"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions) - - SECONDARY POUR



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 39"
 Height (Ext): 45"

Weight (Net): 3725 lb
 Volume (Net): 0.95cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100

Tech: J. Horsley - F

11/6/2025 5:42:18 PM

PC: C. Goff

Structure ID: B-1

P2 MH048LD12-24X36RECT

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

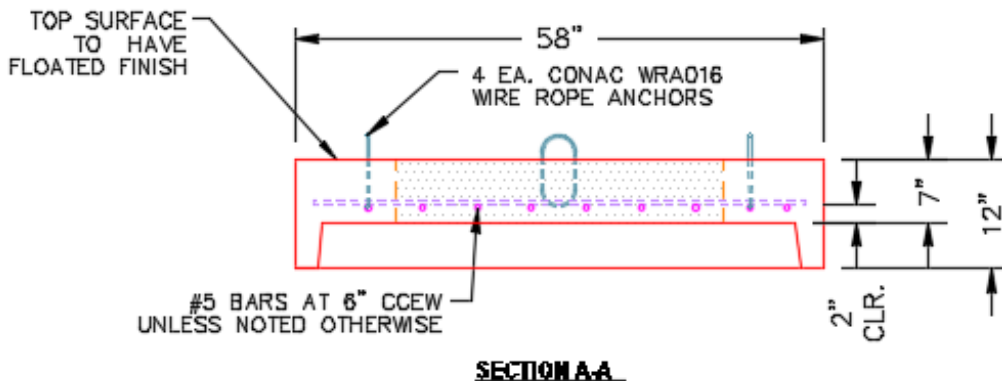
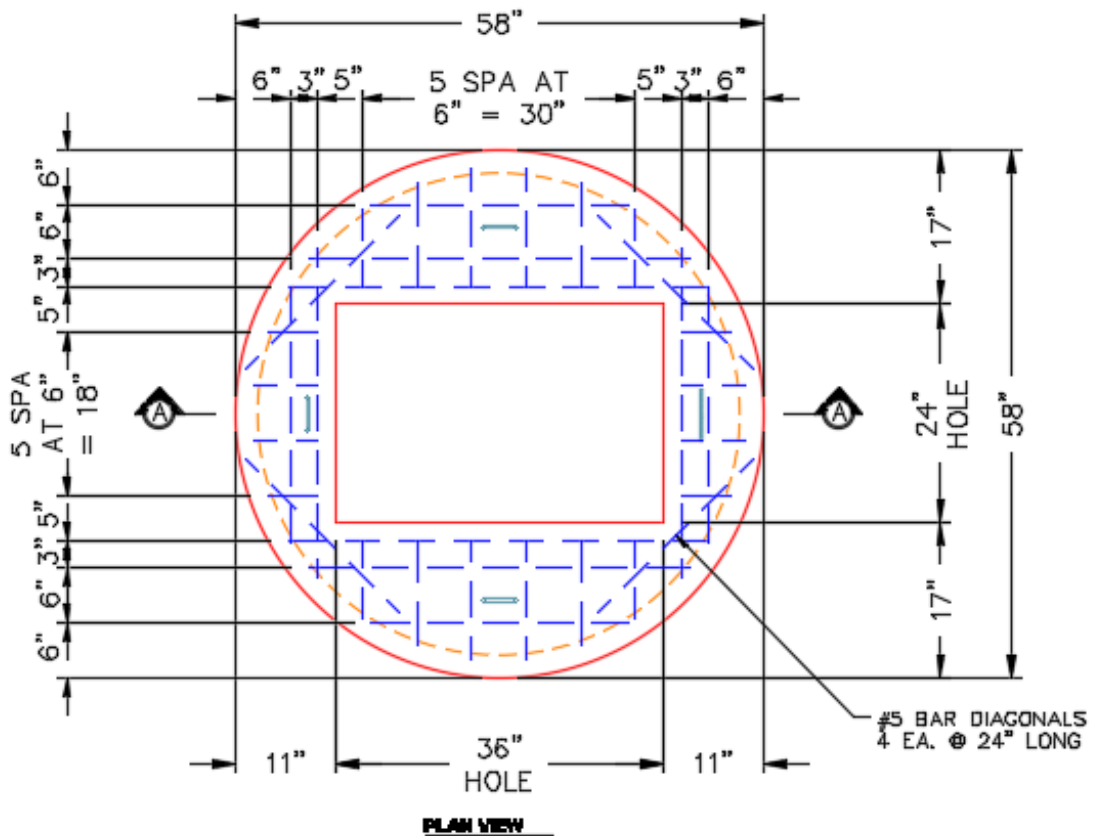
- P3) 24" x 36" - CASTING HEIGHT - 12"
- P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
- P1) 48" - MH BASE Custom Ht T/n - 39"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 22
- 3) MH Step ML-10-TDS-NCR - 10"

0 lb
 1300 lb
 3725 lb
 1440 lb
 442 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 6907 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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.



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1300 lb
 Volume (Net): 0.46cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:42:11 PM

Tech: J. Horsley - F
 PC: C. Goff

Structure ID: B-2

P1 BX2436-08BVF

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

- P2) 24" x 36" - CASTING HEIGHT - 12"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 51"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22"

0 lb
 6345 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 8227 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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

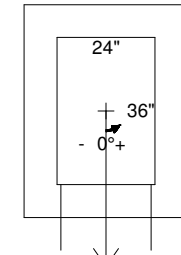
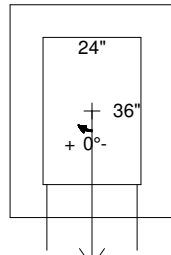
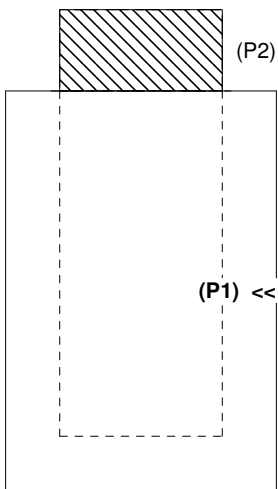
**SECONDARY POUR
 REQUIRED
 SEE SHEET P1A**

Rim: 975.12' Rim to Invert: 5.25' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	969.87'	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										

RIGHT-SIDE UP VIEW (int. dimensions)

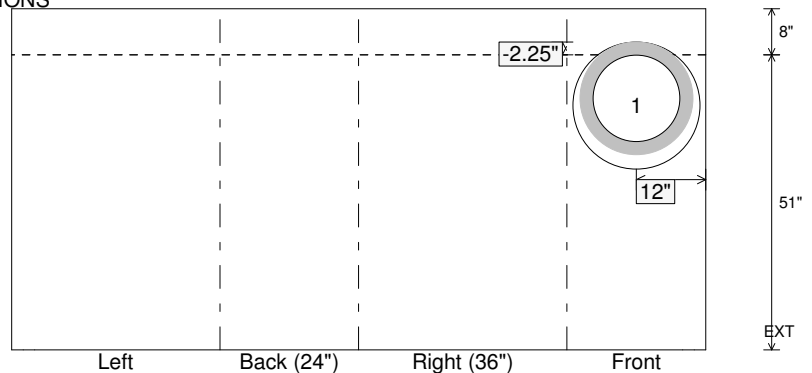
UPSIDE-DOWN VIEW (int. dimensions)



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

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

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 51"
 Height (Ext): 59"

Weight (Net): 6345 lb
 Volume (Net): 1.62cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:37:34 PM

Tech: J. Horsley - F
 PC: C. Goff



Structure ID: B-2

P1A STORMINVERT12

STORM INVERT CHANNEL 1/2 HEIGHT

- P2) 24" x 36" - CASTING HEIGHT - 12"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 51"
- 1) **STORM INVERT CHANNEL - 1/2 HEIGHT**
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22"

0 lb
 6345 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 8227 lb

Structure Total: 8227 lb

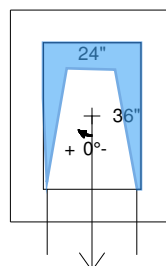
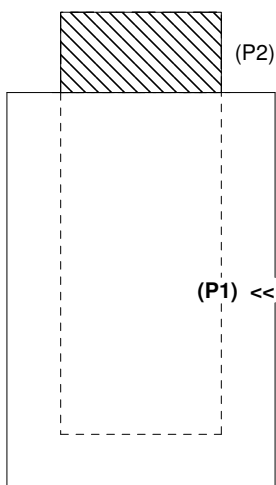
- Structure Notes:**
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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

Rim: 975.12' Rim to Invert: 5.25' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	969.87'	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										

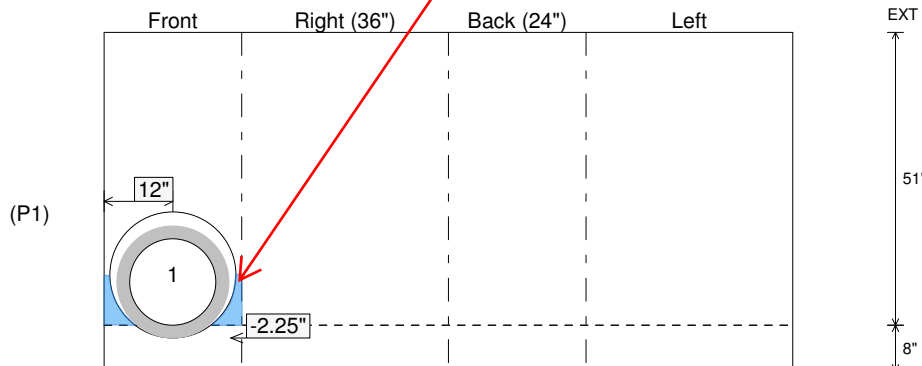
RIGHT-SIDE UP VIEW (int. dimensions) - - SECONDARY POUR



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

**1/2 DIA STORM
 INVERT CHANNEL**

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 51"
 Height (Ext): 59"

Weight (Net): 6345 lb
 Volume (Net): 1.62cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100

Tech: J. Horsley - F

11/6/2025 4:42:30 PM

PC: C. Goff

Structure ID: C-2

P1 BX2436-08BVF

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

P2) 24" x 36" - CASTING HEIGHT - 12"

P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 30"

1) STORM INVERT CHANNEL - 1/2 HEIGHT

1) CASTING - HOE 525 LV SET (F/G/H)

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

2) Hole - 22"

0 lb

3947 lb

1440 lb

442 lb

0 lb

0 lb

Structure Total: 5829 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).

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

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

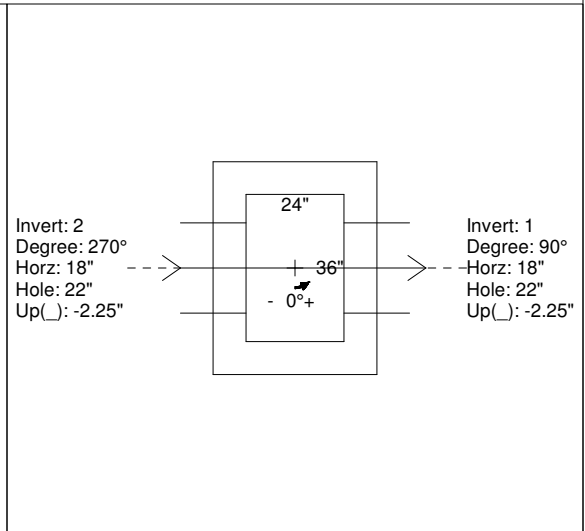
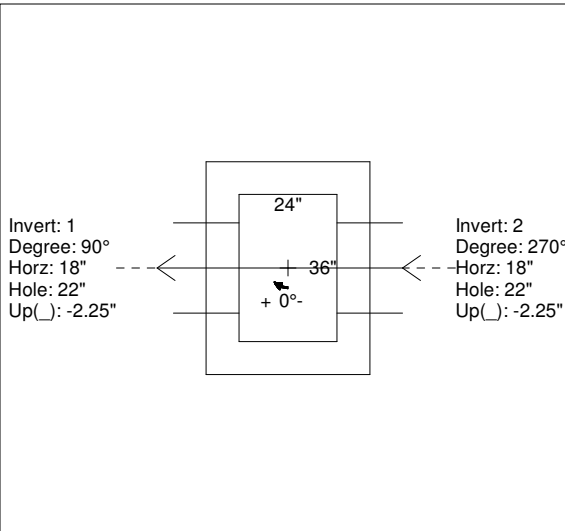
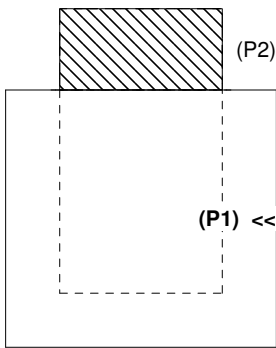
**SECONDARY POUR
 REQUIRED
 SEE SHEET P1A**

Rim: 968.61' Rim to Invert: 3.53' Slack: 0.36" Sump: 0" Step Position:

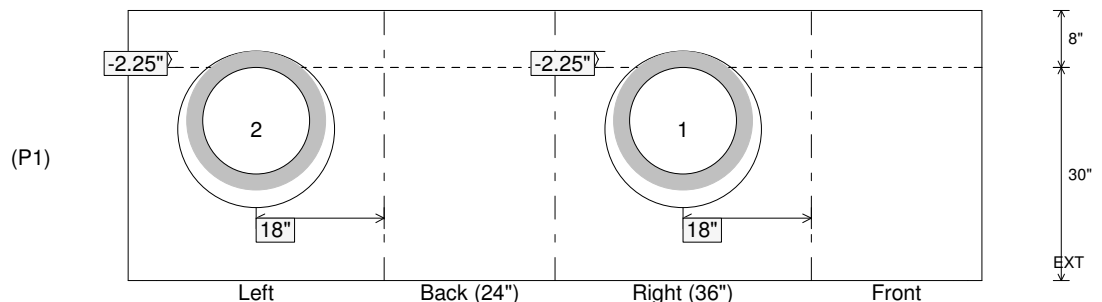
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	965.08'	90°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2	965.08'	270°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 30"
 Height (Ext): 38"

Weight (Net): 3947 lb
 Volume (Net): 1.01cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:37:34 PM

Tech: J. Horsley - F
 PC: C. Goff



Structure ID: C-2

P1A STORMINVERT12

STORM INVERT CHANNEL 1/2 HEIGHT

- P2) 24" x 36" - CASTING HEIGHT - 12"
 P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 30"
1) STORM INVERT CHANNEL - 1/2 HEIGHT
 1) CASTING - HOE 525 LV SET (F/G/H)
 1) 24" x 36" - Conseal CS-102 1.00"
 2) Hole - 22"

0 lb
 3947 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 0 lb
 Structure Total: 5829 lb

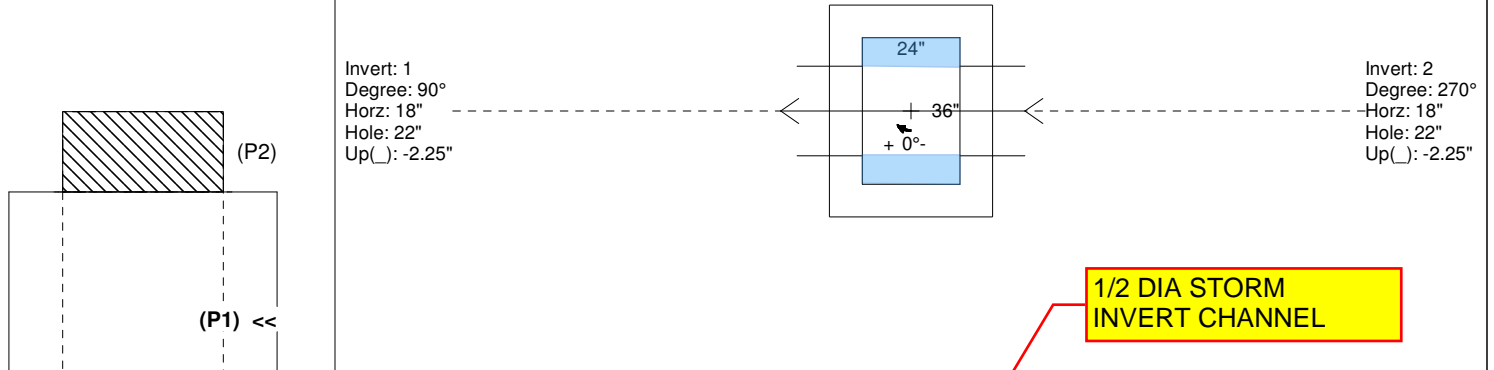
Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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

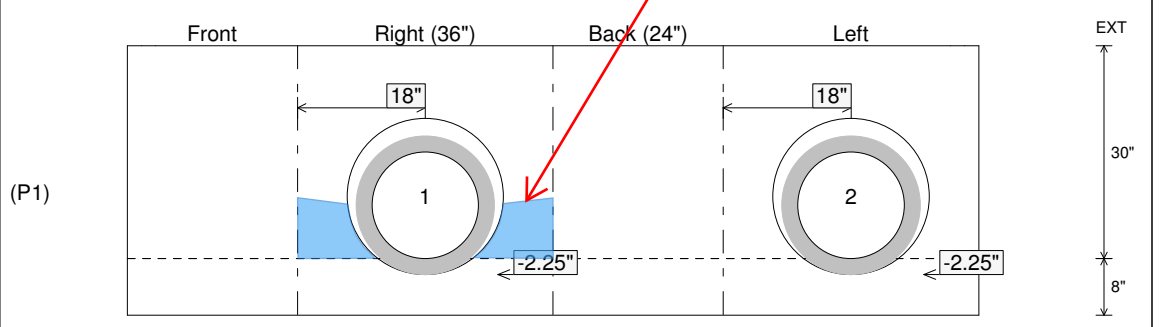
Rim: 968.61' Rim to Invert: 3.53' Slack: 0.36" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	965.08'	90°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2	965.08'	270°	26"	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) - - SECONDARY POUR



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 30" Height (Ext): 38"	Weight (Net): 3947 lb Volume (Net): 1.01cu.yd
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Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:42:50 PM

Tech: J. Horsley - F
 PC: C. Goff

Structure ID: C-3

P1 BX2436-08BVF

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

- P2) 24" x 36" - CASTING HEIGHT - 12"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22"

0 lb
 3666 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 5548 lb

- Structure Notes:**
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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

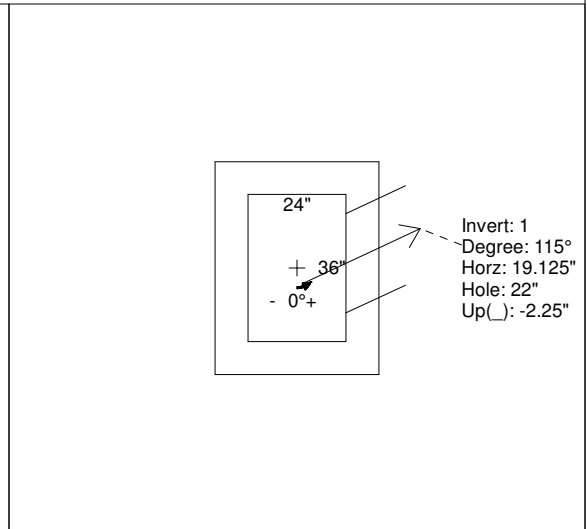
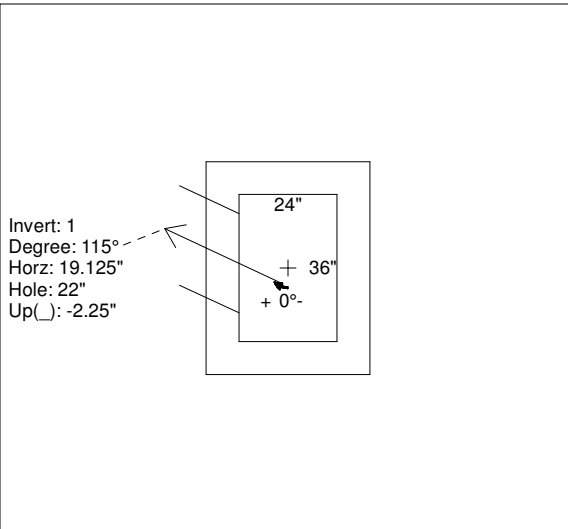
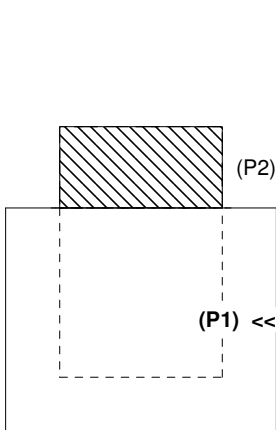
**SECONDARY POUR
 REQUIRED
 SEE SHEET P1A**

Rim: 968.4' Rim to Invert: 3.16' Slack: 0.92' Sump: 0' Step Position:

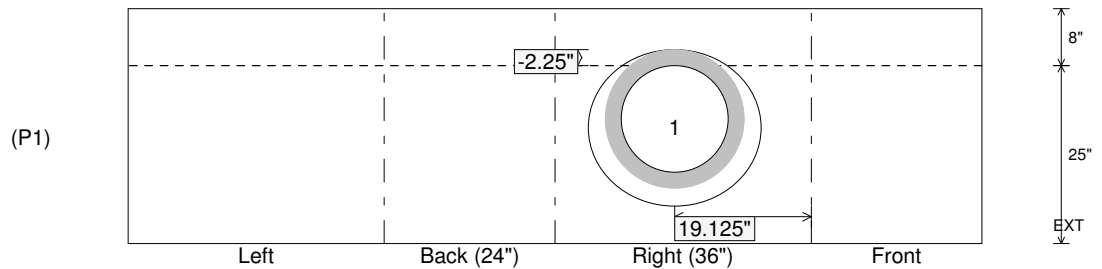
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	965.24'	115°	30.875"	15" RCP B WALL	19.5"	Hole 22	22"	24.274"	-2.25"	-4"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 25"
 Height (Ext): 33"

Weight (Net): 3666 lb
 Volume (Net): 0.94cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:37:35 PM

Tech: J. Horsley - F
 PC: C. Goff



Structure ID: C-3

P1A STORMINVERT12

STORM INVERT CHANNEL 1/2 HEIGHT

- P2) 24" x 36" - CASTING HEIGHT - 12"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 25"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT**
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22"

0 lb
 3666 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 5548 lb

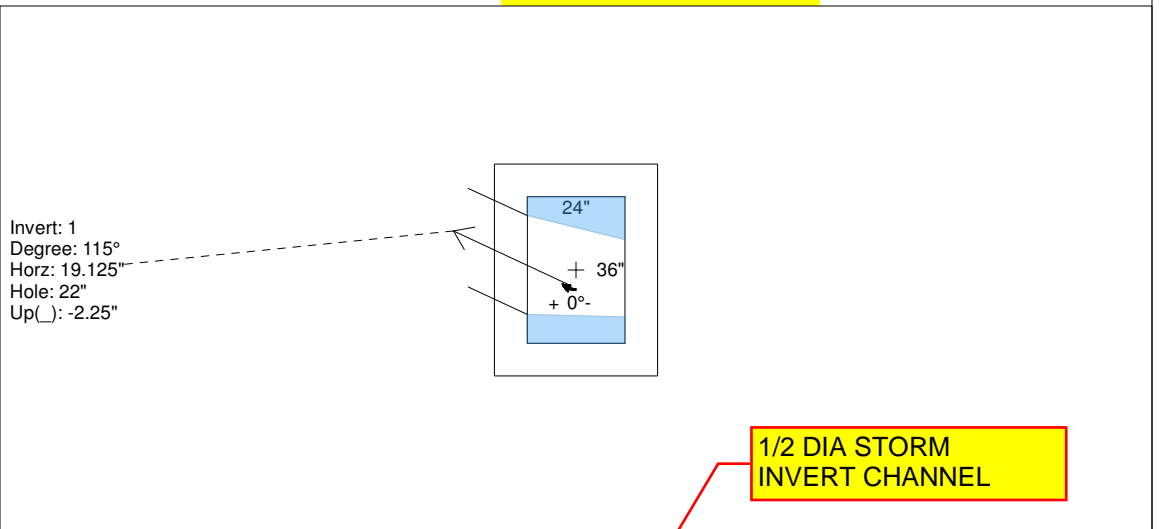
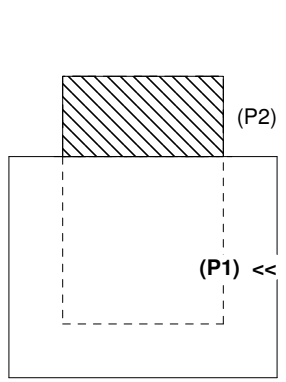
Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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

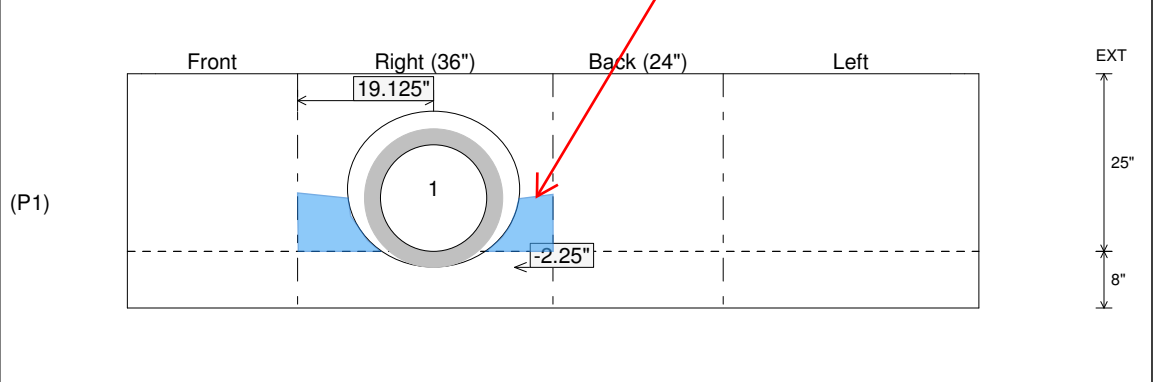
Rim: 968.4' Rim to Invert: 3.16' Slack: 0.92" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	965.24'	115°	30.875"	15" RCP B WALL	19.5"	Hole 22	22"	24.274"	-2.25"	-4"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions) - - SECONDARY POUR



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 25" Height (Ext): 33"	Weight (Net): 3666 lb Volume (Net): 0.94cu.yd
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Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:43:09 PM

Tech: J. Horsley - F
 PC: C. Goff

Structure ID: F-1

P1 MH048BA54

MH BASE T/n

- P3) 24" x 36" - CASTING HEIGHT - 12"
- P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
- P1) 48" - MH BASE T/n - 54"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 3) Hole - 22
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb
 1300 lb
 4609 lb
 1440 lb
 442 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 7791 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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.

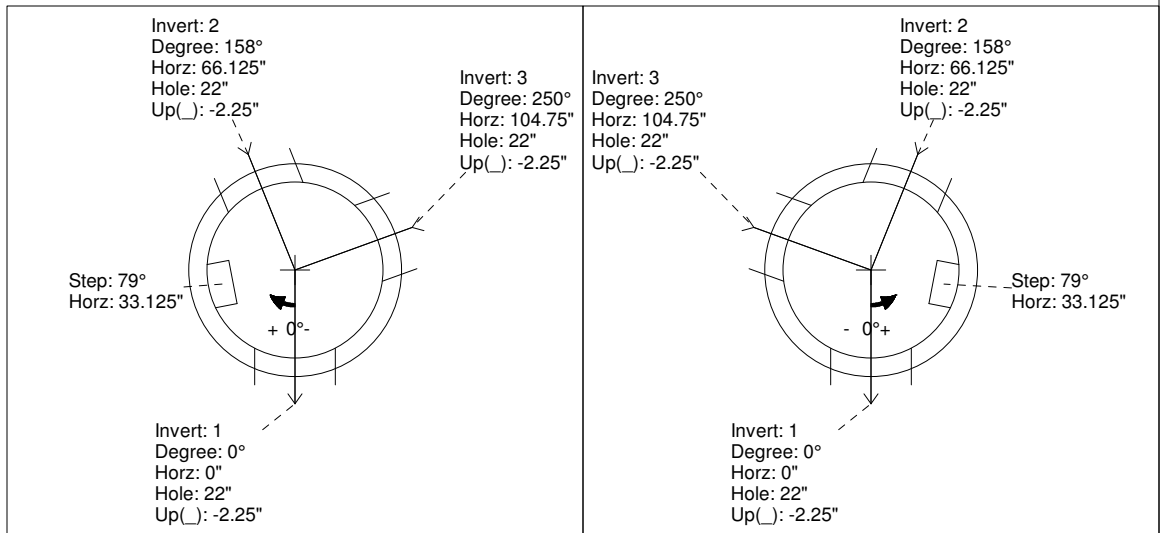
**SECONDARY POUR
 REQUIRED
 SEE SHEET P1A**

Rim: 961.31' Rim to Invert: 6.53' Slack: 0.36" Sump: 0" Step Position: 79°

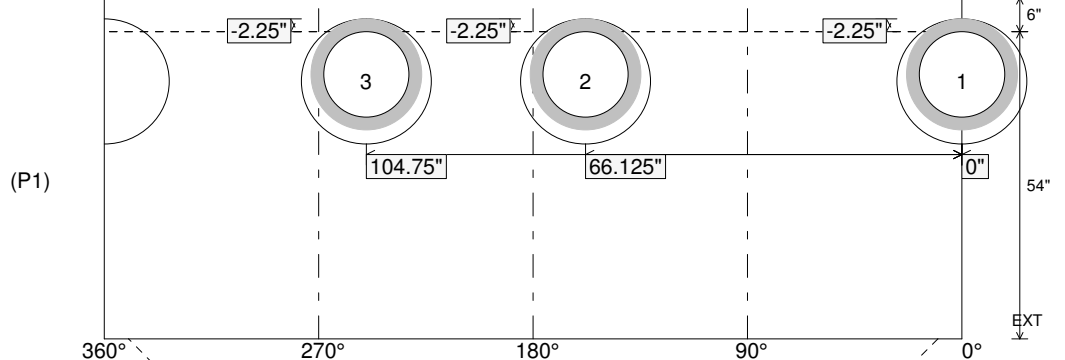
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	954.78'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2	954.78'	158°	80"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 3	954.78'	250°	126.5"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

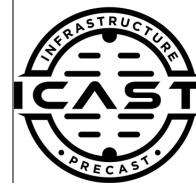
Height (Int): 54"
 Height (Ext): 60"

Weight (Net): 4609 lb
 Volume (Net): 1.18cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:37:35 PM

Tech: J. Horsley - F
 PC: C. Goff



Structure ID: F-1

P1A STORMINVERT12

STORM INVERT CHANNEL 1/2 HEIGHT

- P3) 24" x 36" - CASTING HEIGHT - 12"
- P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
- P1) 48" - MH BASE T/n - 54"

1) STORM INVERT CHANNEL - 1/2 HEIGHT

- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 3) Hole - 22
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb
 1300 lb
 4609 lb
 1440 lb
 442 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 7791 lb

Structure Notes:

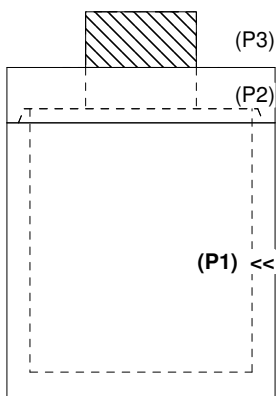
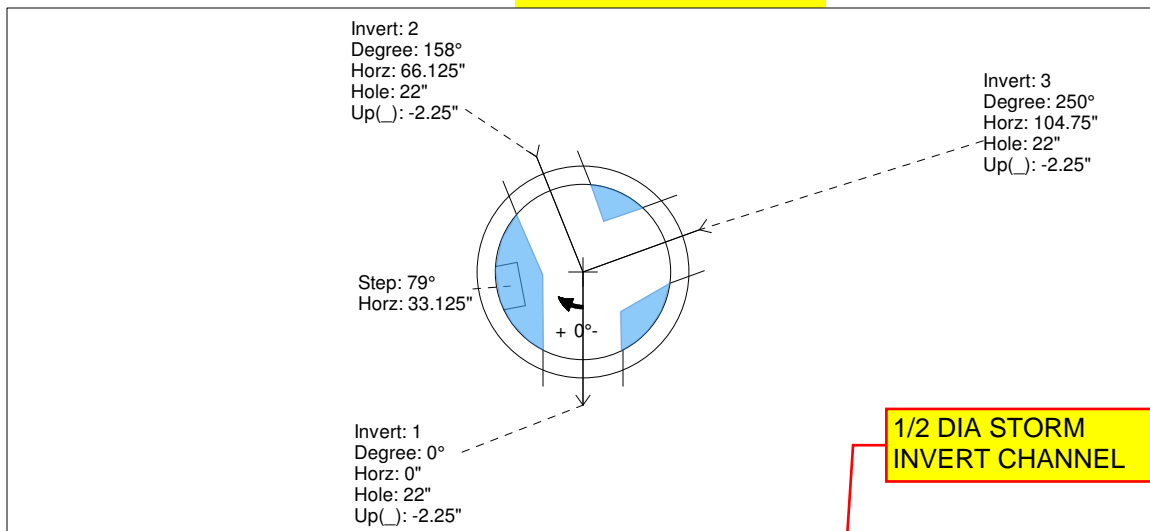
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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.

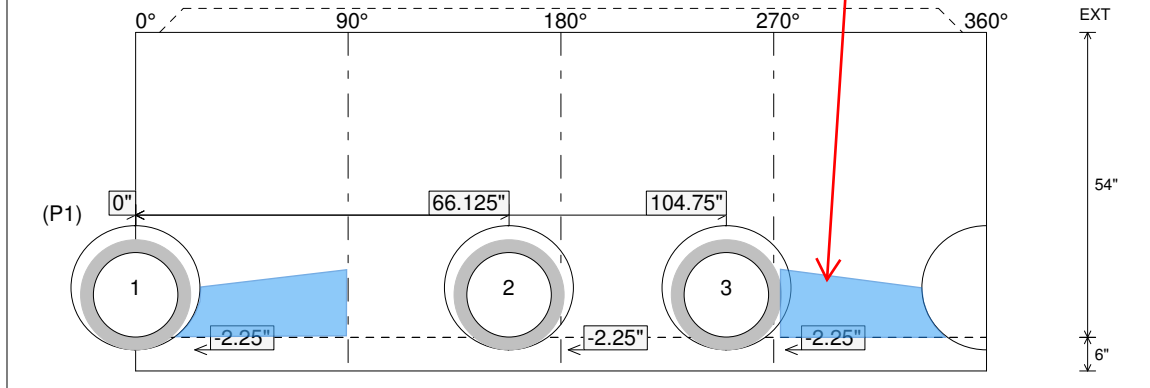
Rim: 961.31' Rim to Invert: 6.53' Slack: 0.36" Sump: 0" Step Position: 79°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	954.78'	0°	0"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 2	954.78'	158°	80"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 3	954.78'	250°	126.5"	15" RCP B WALL	19.5"	Hole 22	22"	22.854"	-2.25"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions) - - SECONDARY POUR



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 54" Height (Ext): 60"	Weight (Net): 4609 lb Volume (Net): 1.18cu.yd
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Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100

Tech: J. Horsley - F

11/6/2025 5:43:17 PM

PC: C. Goff

Structure ID: F-1

P2 MH048LD12-24X36RECT

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

- P3) 24" x 36" - CASTING HEIGHT - 12"
- P2) 48" - MH FLAT TOP w/24"x36" Hole F/G - 12"
- P1) 48" - MH BASE T/n - 54"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 48" - Conseal CS-102 1.00"
- 1) 24" x 36" - Conseal CS-102 1.00"
- 3) Hole - 22
- 5) MH Step ML-10-TDS-NCR - 10"

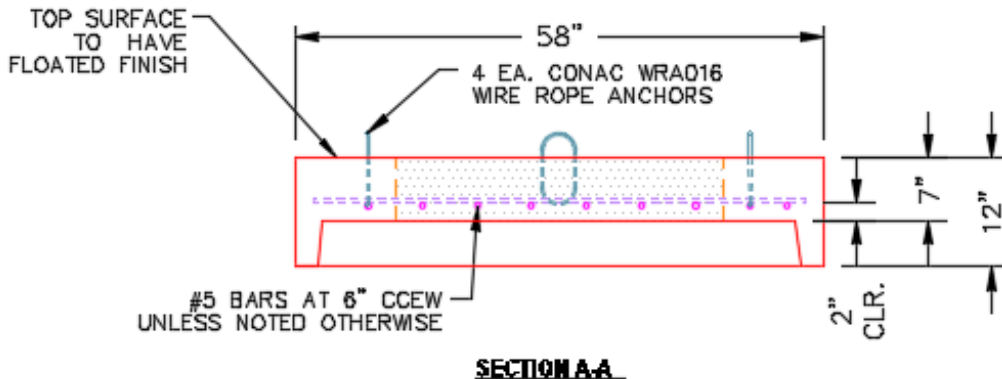
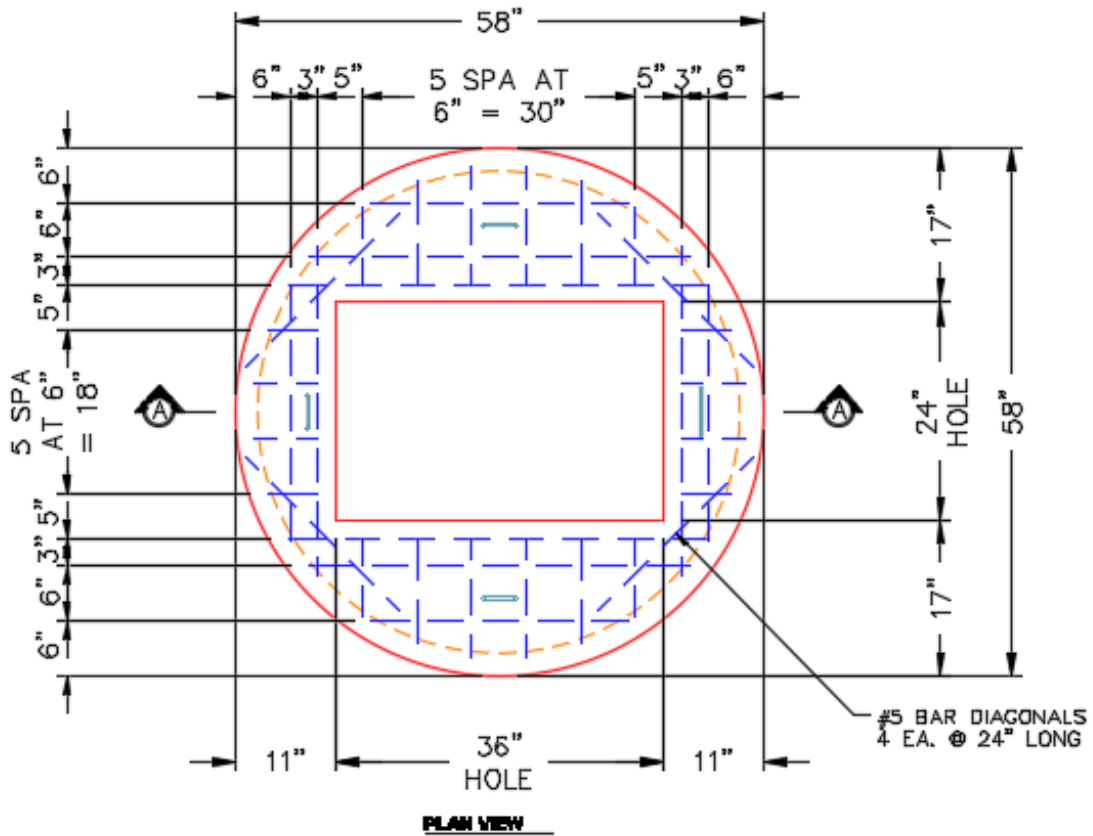
0 lb
 1300 lb
 4609 lb
 1440 lb
 442 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 7791 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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.



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1300 lb
 Volume (Net): 0.46cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100

Tech: J. Horsley - F

11/6/2025 4:43:30 PM

PC: C. Goff

Structure ID: F-2

P1 BX2436-08BVF

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

- P2) 24" x 36" - CASTING HEIGHT - 12"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 31"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 22"

0 lb
 4049 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 5931 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

REINFORCING PER ASTM A615 (GRADE 60).

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

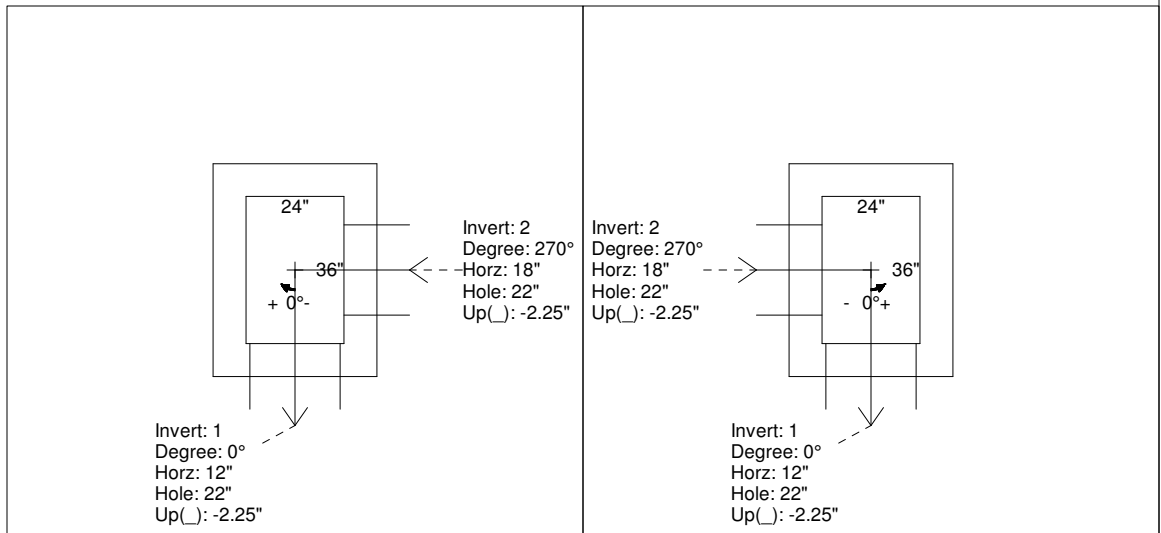
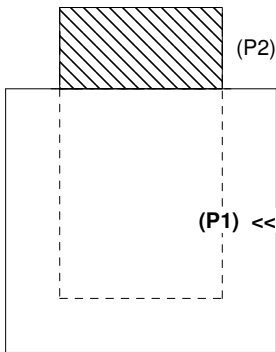
**SECONDARY POUR
 REQUIRED
 SEE SHEET P1A**

Rim: 960.34' Rim to Invert: 3.59' Slack: 0.08" Sump: 0" Step Position:

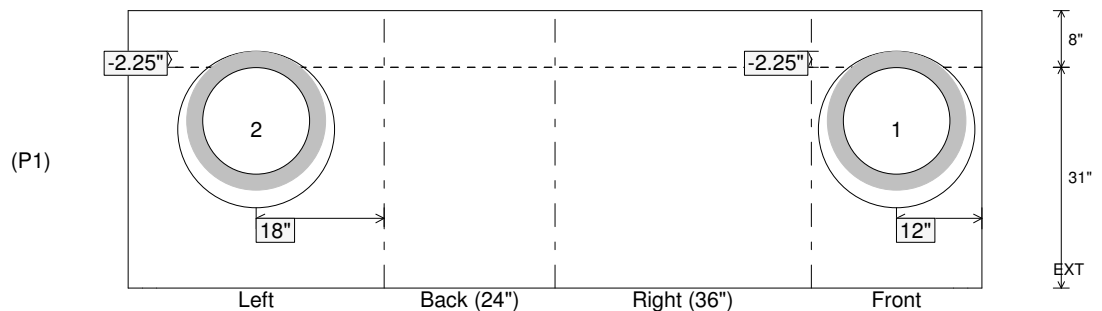
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	956.75'	0°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2	956.75'	270°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 31"
 Height (Ext): 39"

Weight (Net): 4049 lb
 Volume (Net): 1.03cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:37:36 PM

Tech: J. Horsley - F
 PC: C. Goff



Structure ID: F-2

P1A STORMINVERT12

STORM INVERT CHANNEL 1/2 HEIGHT

- P2) 24" x 36" - CASTING HEIGHT - 12"
 P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 31"
1) STORM INVERT CHANNEL - 1/2 HEIGHT
 1) CASTING - HOE 525 LV SET (F/G/H)
 1) 24" x 36" - Conseal CS-102 1.00"
 2) Hole - 22"

0 lb
 4049 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 5931 lb

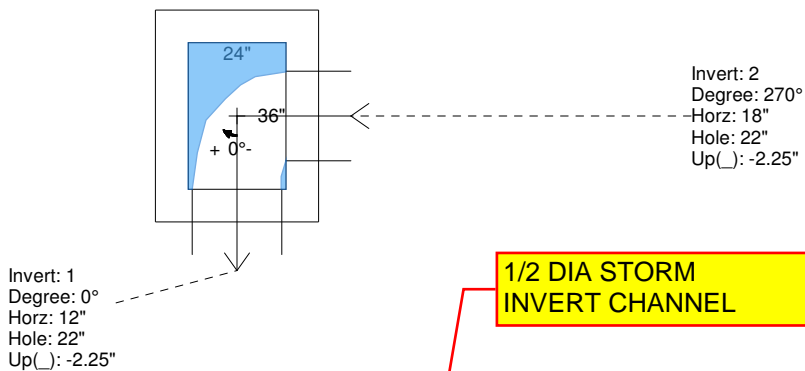
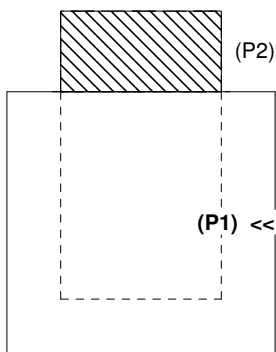
- Structure Notes:**
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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

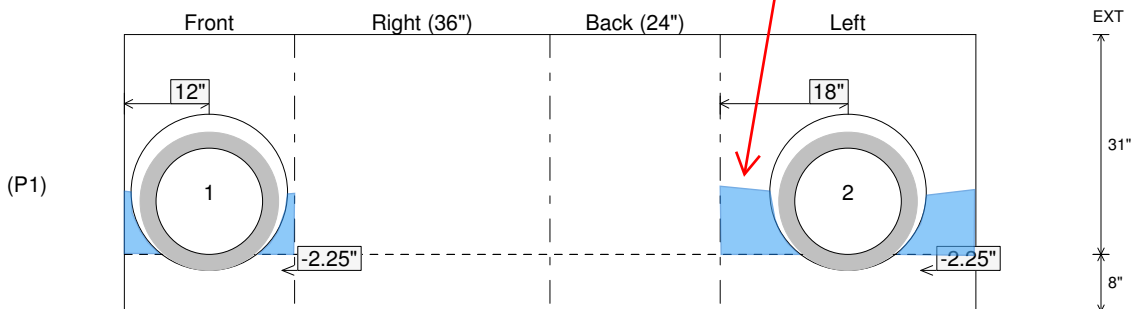
Rim: 960.34' Rim to Invert: 3.59' Slack: 0.08" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	956.75'	0°	20"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2	956.75'	270°	26"	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) - - SECONDARY POUR



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 31"
 Height (Ext): 39"

Weight (Net): 4049 lb
 Volume (Net): 1.03cu.yd

Job Name: 25-3438 - John H. Stigall Drive Job Location: Danville, KY Contractor: Todd Johnson Contracting, Inc.	Plant: 100 11/6/2025 4:43:50 PM	Tech: J. Horsley - F PC: C. Goff
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Structure ID: F-3

P1 BX2436-08BVF

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

- P2) 24" x 36" - CASTING HEIGHT - 12"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 27"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22"

0 lb
3896 lb
1440 lb
442 lb
0 lb
0 lb

Structure Total: 5778 lb

- Structure Notes:**
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).
- REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

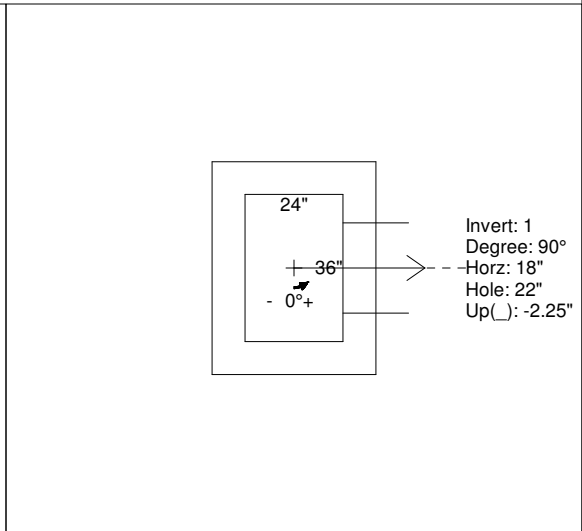
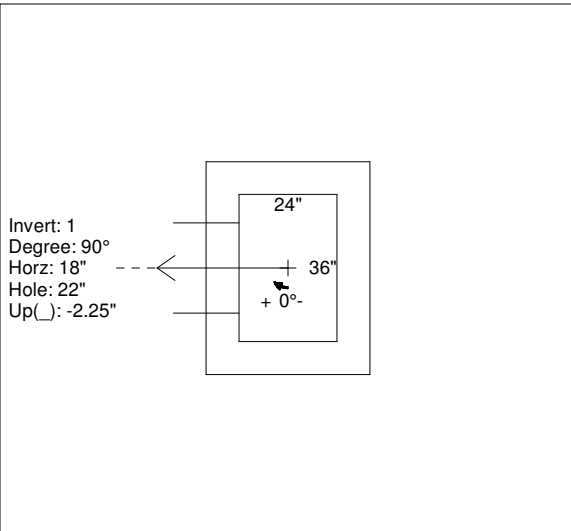
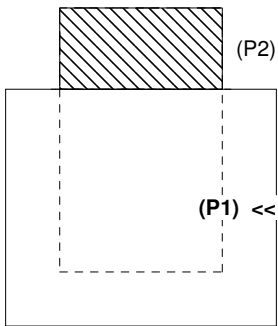
**SECONDARY POUR
REQUIRED
SEE SHEET P1A**

Rim: 960.34' Rim to Invert: 3.25' Slack: 0" Sump: 0" Step Position:

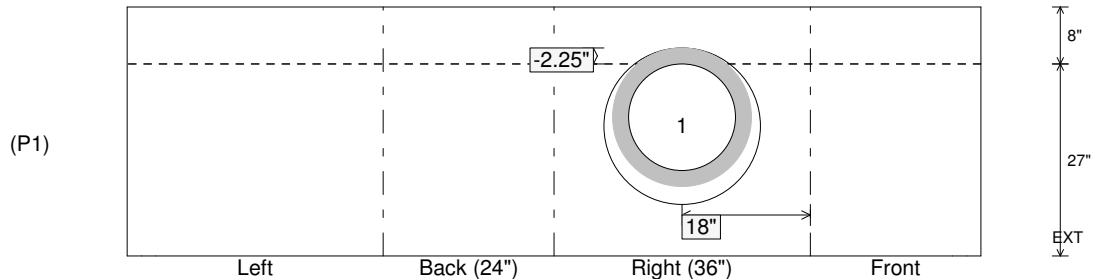
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	957.09'	90°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

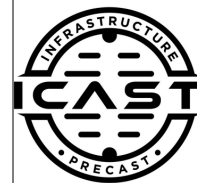


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 27" Height (Ext): 35"	Weight (Net): 3896 lb Volume (Net): 1cu.yd
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Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:37:36 PM

Tech: J. Horsley - F
 PC: C. Goff



Structure ID: F-3

P1A STORMINVERT12

STORM INVERT CHANNEL 1/2 HEIGHT

- P2) 24" x 36" - CASTING HEIGHT - 12"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 27"
- 1) **STORM INVERT CHANNEL - 1/2 HEIGHT**
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22"

0 lb
 3896 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 5778 lb

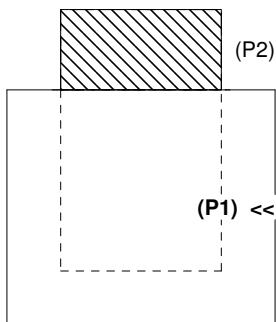
- Structure Notes:**
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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

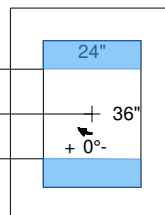
Rim: 960.34' Rim to Invert: 3.25' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	957.09'	90°	26"	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										

RIGHT-SIDE UP VIEW (int. dimensions) - - SECONDARY POUR

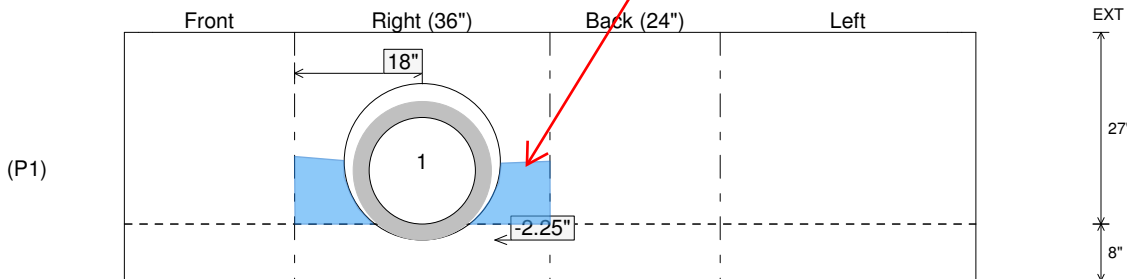


Invert: 1
 Degree: 90°
 Horz: 18"
 Hole: 22"
 Up(↓): -2.25"



1/2 DIA STORM INVERT CHANNEL

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 27"
 Height (Ext): 35"

Weight (Net): 3896 lb
 Volume (Net): 1cu.yd

Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:44:12 PM

Tech: J. Horsley - F
 PC: C. Goff

Structure ID: G-1

P1 BX2436-08BVF

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

- P2) 24" x 36" - CASTING HEIGHT - 12"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 45"
- 1) STORM INVERT CHANNEL - 1/2 HEIGHT
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22"

0 lb
 5733 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 7615 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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

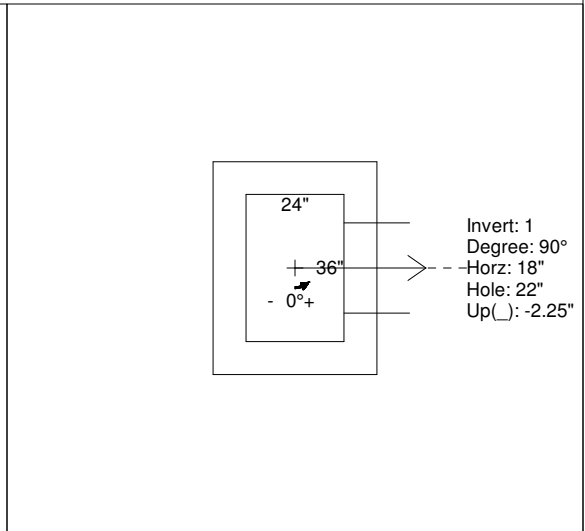
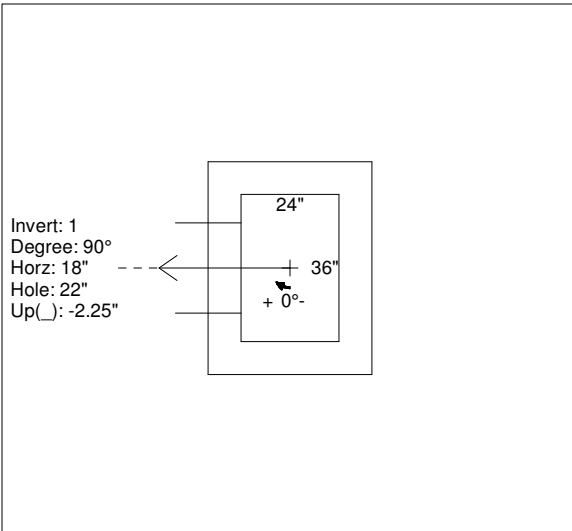
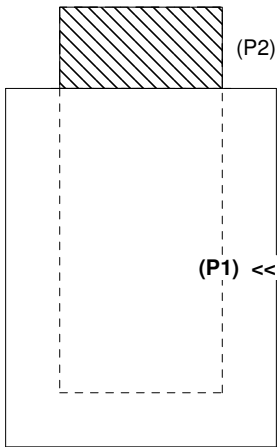
**SECONDARY POUR
 REQUIRED
 SEE SHEET P1A**

Rim: 961.31' Rim to Invert: 4.81' Slack: 0.72" Sump: 0" Step Position:

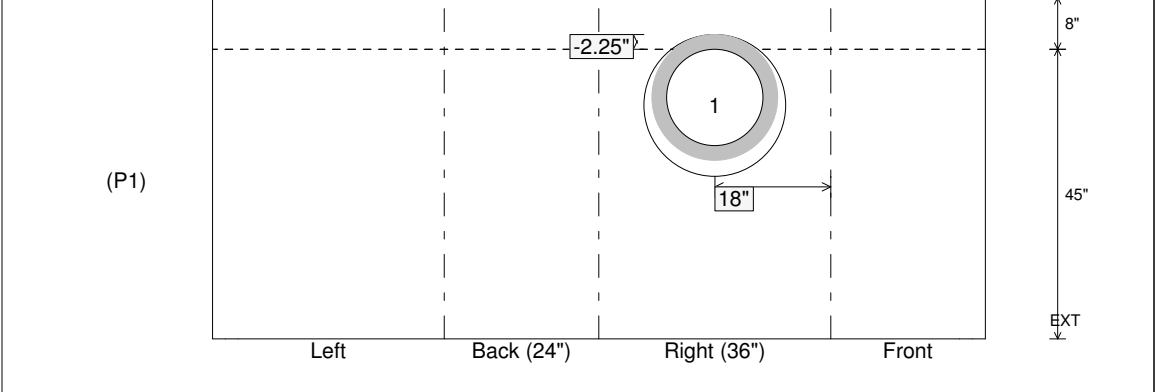
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	956.5'	90°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS

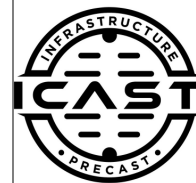


Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 45" Height (Ext): 53"	Weight (Net): 5733 lb Volume (Net): 1.46cu.yd
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Job Name: 25-3438 - John H. Stigall Drive
 Job Location: Danville, KY
 Contractor: Todd Johnson Contracting, Inc.

Plant: 100
 11/6/2025 4:37:37 PM

Tech: J. Horsley - F
 PC: C. Goff



Structure ID: G-1

P1A STORMINVERT12

STORM INVERT CHANNEL 1/2 HEIGHT

- P2) 24" x 36" - CASTING HEIGHT - 12"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 45"
- 1) **STORM INVERT CHANNEL - 1/2 HEIGHT**
- 1) CASTING - HOE 525 LV SET (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 22"

0 lb
 5733 lb
 1440 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 7615 lb

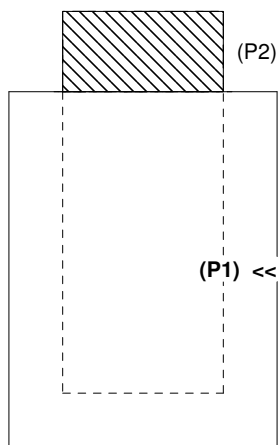
- Structure Notes:**
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 LV SET (F/G/H)).

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

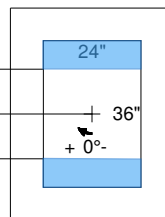
Rim: 961.31' Rim to Invert: 4.81' Slack: 0.72" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	956.5'	90°	26"	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										

RIGHT-SIDE UP VIEW (int. dimensions) - - SECONDARY POUR

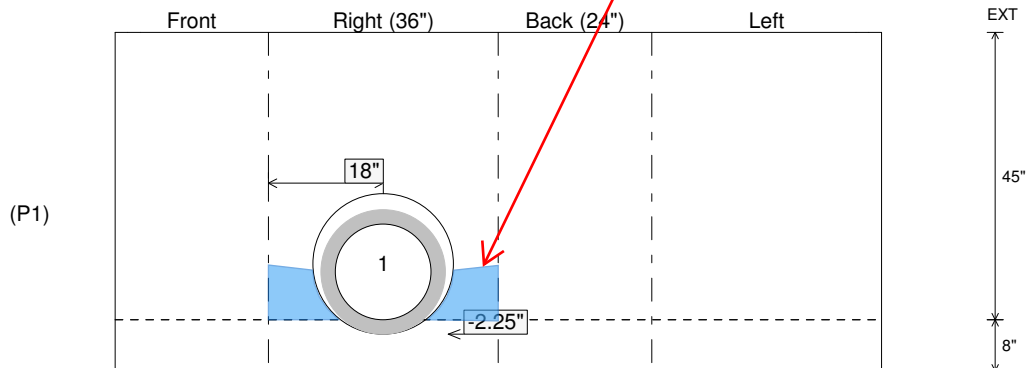


Invert: 1
 Degree: 90°
 Horz: 18"
 Hole: 22"
 Up(): -2.25"



1/2 DIA STORM INVERT CHANNEL

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 45"
 Height (Ext): 53"

Weight (Net): 5733 lb
 Volume (Net): 1.46cu.yd

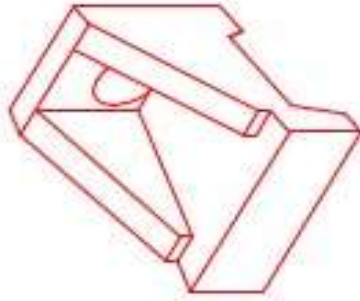


Structure ID: HW C-1

P1 HWSF15

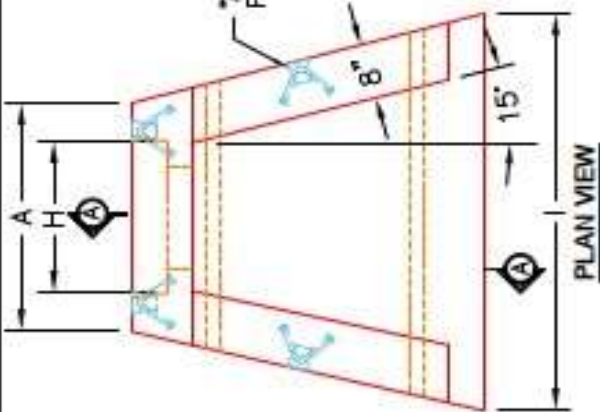
15" - SLOPED & FLARED HEADWALL F/F

DIMENSIONS										
PIPE Ø	A	B	C	D	E	F	G	H	I	WEIGHT
15"	2'-8"	3'-6"	2'-0"	1'-8"	4'-0"	3"	2"	2'-0"	4'-0"	3,181 LBS.

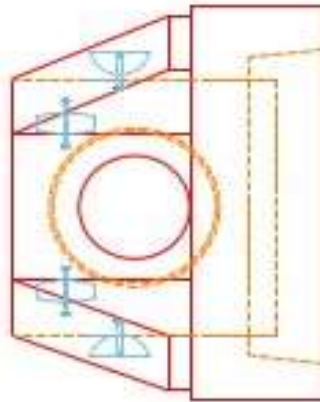


ISOMETRIC VIEW
15" HEADWALL

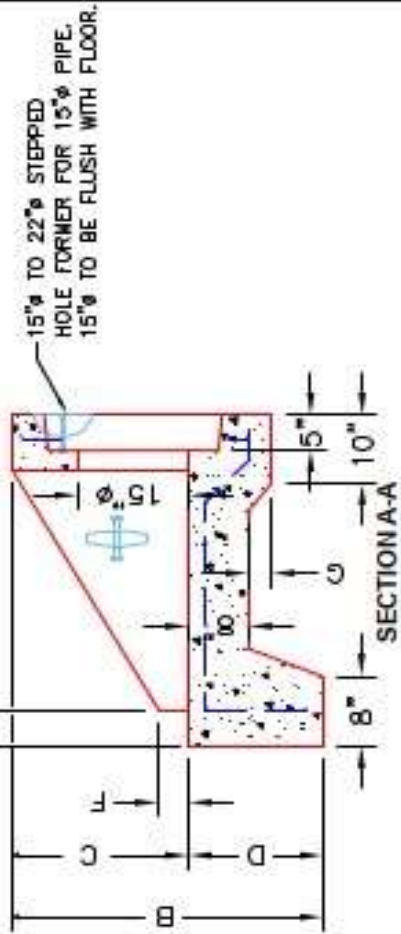
"A"-ANCHOR LIFTING SYSTEM FOR PLANT & FIELD HANDLING.



PLAN VIEW



FRONT ELEVATION



SECTION A-A

15"Ø TO 22"Ø STEPPED HOLE FORMER FOR 15"Ø PIPE. 15"Ø TO BE FLUSH WITH FLOOR.

- NOTES:**
1. CONCRETE: 4500 PSI @ 28 DAYS.
 2. REINFORCING: #4 BAR @ 12" C/C E-W-GRADE ØØ, (WITH 2" CONCRETE COVER MINIMUM)
 3. REINFORCING BARS TO BE TACK WELDED OR TIED.
 4. DRAWING TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWING PDH-020-03 AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 5. CHAMFER ON ALL EXPOSED EDGES.

PRODUCTION WORK ORDER		PRODUCT I.D.: HWSF15		DESCRIPTION: KYTC 15" SLOPED & FLARED HEADWALL	
QUALITY CONTROL CHECKLIST		PRODUCT VIEW: RIGHT SIDE UP		CUSTOMER: STOCK	
<input type="checkbox"/>	ALL DIMENSIONS CORRECT.	PLANT: BEAVER DAM, KY.		PROJECT: STOCK INVENTORY	
<input type="checkbox"/>	LIFTERS INSTALLED.	WEIGHT: 3,181 LBS.		STRUCTURE D.: N/A	
<input type="checkbox"/>	STEPS HF CORRECT SIZE.	TOP SECTION JOINT: N/A		QUOTE/SALES ORDER NO: N/A	
<input type="checkbox"/>	REINFORCING CORRECT.	BASE SECTION JOINT: N/A		CHECK: J.H. ROSS, PE	
<input type="checkbox"/>	DISPATCHER BLOCK INSTALLED.	QC CHECK INITIALS:		DRAWING: N. RICHARDS	
<input type="checkbox"/>	EDGES CHAMFERED.			DATE: 09/15/22	
<input type="checkbox"/>	ALL PATCHWORK ACCEPTABLE.			SCALE: NTS	
				PG. 1 of 1	



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