

Job Name: 26-3054 ADS Couchville Online

Job Location: Nashville, TN

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

7/23/2026 12:30:36 PM

Tech: S. Felletter

PC: T. Ryan



Structure ID: WQU1

P4MH120RS24MH RISER T/G

P6) 24" - CASTING HEIGHT - 7"

P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18"

P4) 120" - MH RISER T/G - 24"

P3) 120" - MH RISER T/G - 96"

P2) 120" - MH RISER T/G - 84"

P1) 120" - MH BASE T/n - 24"

1) ASSEMBLY REQUIRED - BRACKETS ONLY

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

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

1) CASTING - HOE MC-375 F/C Storm

4) 120" - Conseal CS-102 1.00" (Double)

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

2) Hole - 34

0 lb

16678 lb

9117 lb

34772 lb

31909 lb

25064 lb

0 lb

0 lb

0 lb

271 lb

0 lb

0 lb

0 lb

117811 lb

Structure Total:

117811 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MC-375 F/C "STORM").

4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.

5. ASSEMBLY REQUIRED - BRACKETS ONLY.

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .36)

- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Rim: 545.95'

Rim to Invert: 7.64'

Slack: 0.68"

Sump: 162"

Step Position: 0°

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

RIGHT-SIDE UP VIEW (int. dimensions)

(P6)

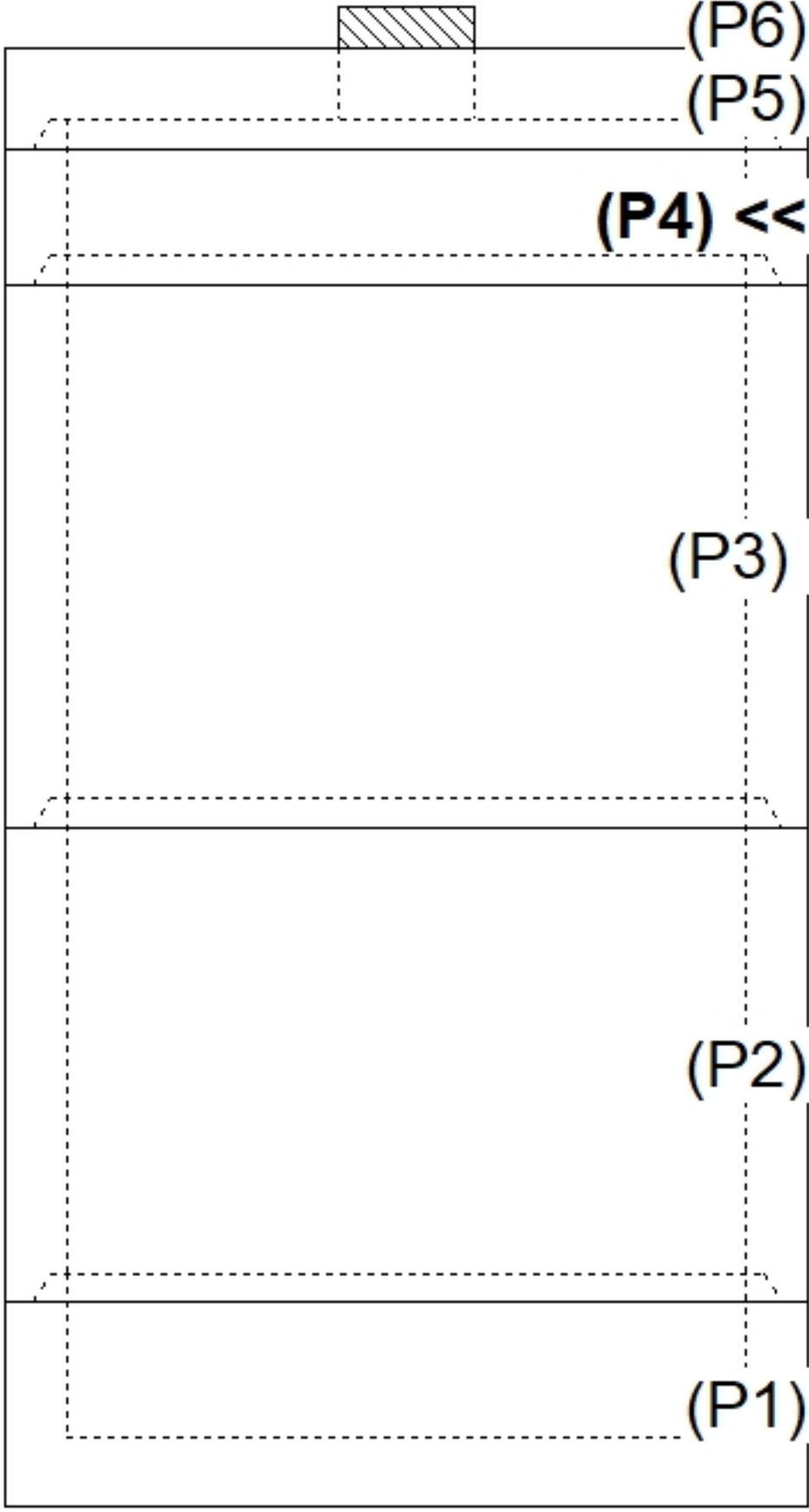
(P5)

(P4) <<

(P3)

(P2)

(P1)



INSIDE WALL DIMENSIONS

0°

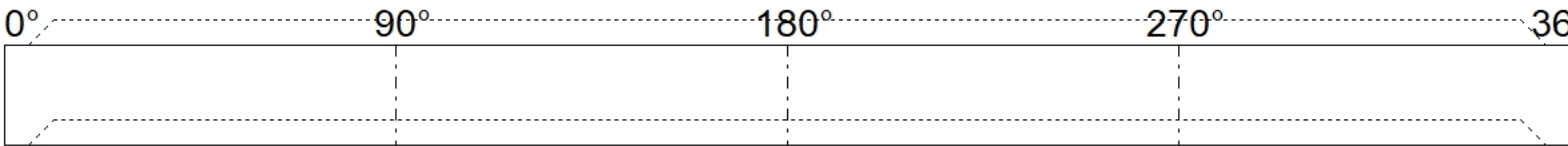
90°

180°

270°

360°

(P4)



EXT 24"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 11"

Floor Height: 0"

Height (Int): 24"

Height (Ext): 24"

Weight (Net): 9117 lb

Volume (Net): 2.33cu.yd