

Job Name: 26-3263 ADS Hickory Commerce Center
Job Location: Whites Creek, TN 37189
Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

Tech: J. Coppage

10/5/2026 12:06:11 PM

PC:



Structure ID: Diversion Structure A1-A2

P1 BX72144-08BAVF

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

- P3) 24" - CASTING HEIGHT - 4"
P2) 72" x 144" - CB FLAT TOP 8"W w/24"Hole F/F - 8"
P1) 72" x 144" - BOX BASE 8inW, 8inF, Variable Ht F/n - 68"
1) SECONDARY POUR - BAFFLE WALL - *
1) CASTING - JBS 1072 F/C STORM
1) 72" x 144" - Conseal CS-102 1.00"
1) 24" - Conseal CS-102 1.00"
1) Hole - 60
4) Hole - 32
1) DOGHOUSE INVRTD - 62"x59"

Structure Total:

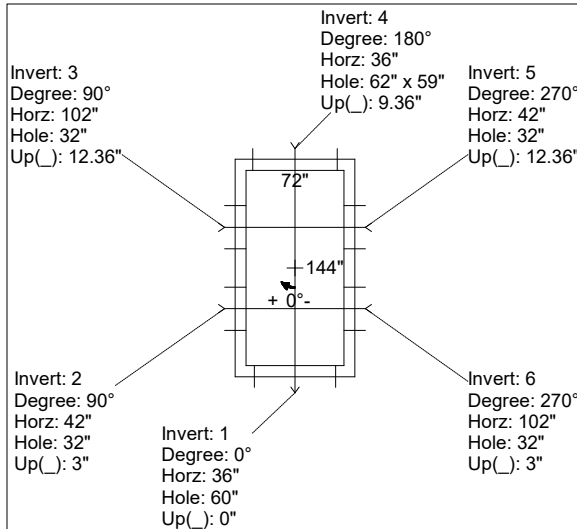
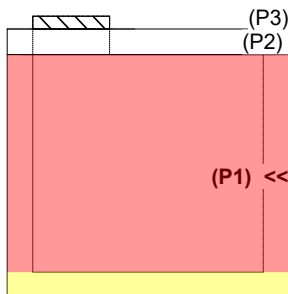
- 0 lb
7602 lb
24398 lb
816 lb
250 lb
0 lb
0 lb
0 lb
0 lb
0 lb
33066 lb
- Structure Notes:**
1. JBS-1072 STORM PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) DBL MAT #5 BARS AT 6" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.
5. SUMP = 5" DUE TO THE 48" RCP PIPE HAVING A 5" WALL THICKNESS. ONCE THE BASE IS SET & PIPES ARE INSTALLED, A FALSE FLOOR WILL HAVE TO BE POURED IN THE FIELD BY OTHERS TO OBTAIN THE DESIGNED UPPER & LOWER FLOOR ELEVATIONS

Rim: 531.2' Rim to Invert: 6.29' Slack: 0.48" Sump: 5" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	524.91'	0°	44"	48" RCP B WALL	58"	Hole 60	60"	60"	0"	0"
Invert 2	524.91'	90°	50"	24" ADS N-12	28"	Hole 32	32"	32"	3"	-30"
Invert 3	525.69'	90°	110"	24" ADS N-12	28"	Hole 32	32"	32"	12.36"	30"
Invert 4	525.69'	180°	44"	48" RCP B WALL	58"	DOGHOUSE INVRTD 62"x59"	62" x 59"	62"	9.36"	0"
Invert 5	525.69'	270°	50"	24" ADS N-12	28"	Hole 32	32"	32"	12.36"	-30"
Invert 6	524.91'	270°	110"	24" ADS N-12	28"	Hole 32	32"	32"	3"	30"
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

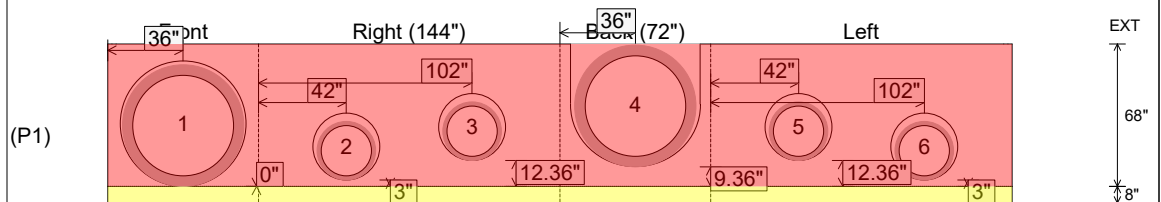
UPSIDE-DOWN VIEW (int. dimensions)



2-Stage Pour Required

First pour drawing
First pour weight = 9,452 LBS
Second pour weight = 14,946 LBS

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 68"
Height (Ext): 76"

Weight (Net): 24398 lb
Volume (Net): 6.23cu.yd

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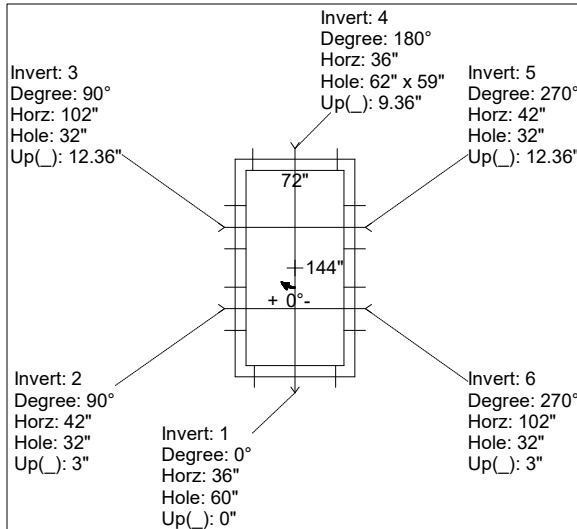
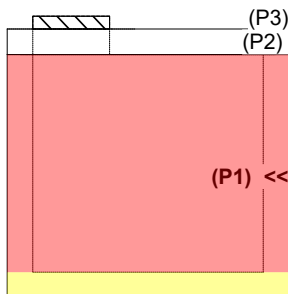
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RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



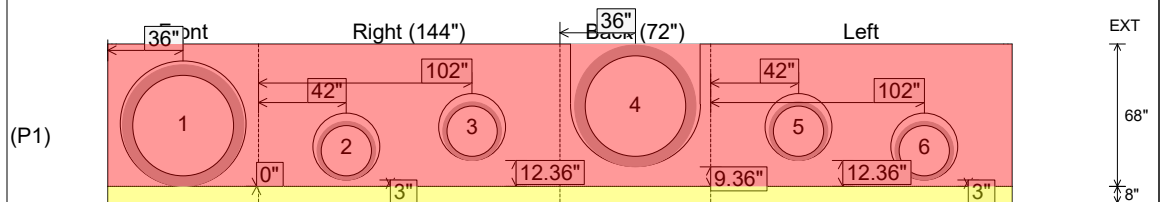
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Second pour drawing

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INSIDE WALL DIMENSIONS



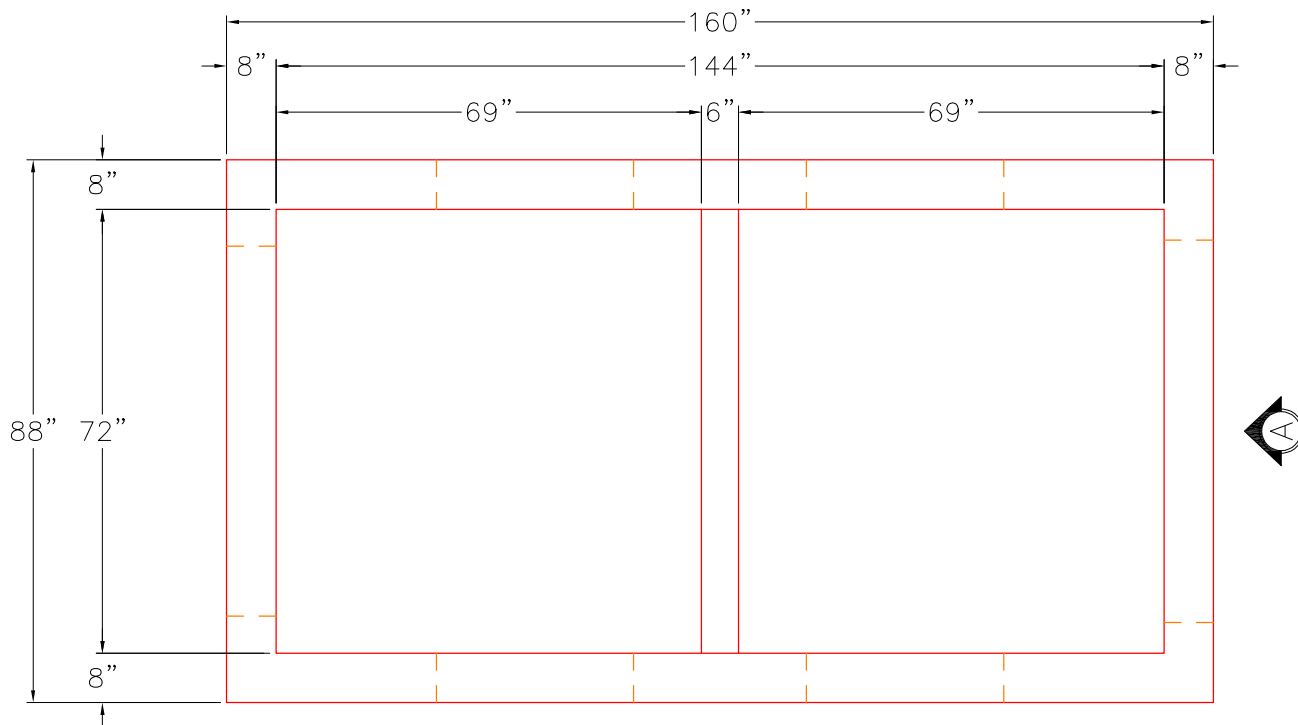
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Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

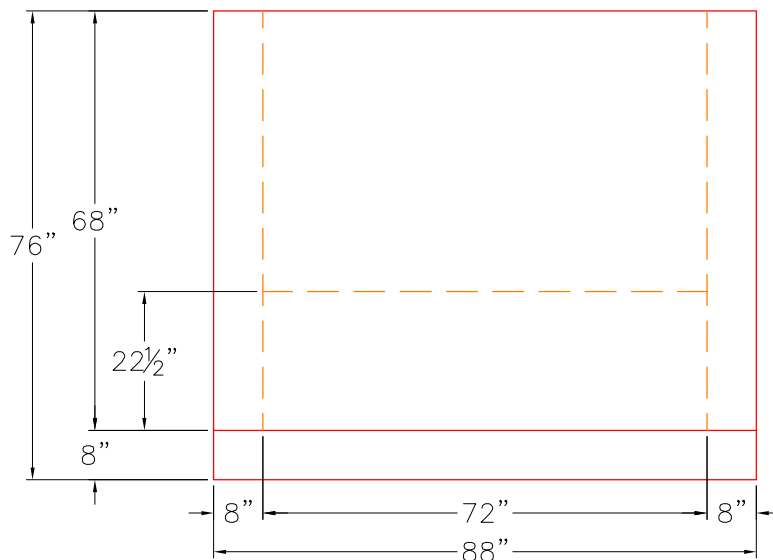
Height (Int): 68"
Height (Ext): 76"

Weight (Net): 24398 lb
Volume (Net): 6.23cu.yd



PLAN VIEW

SOME DETAILS OMITTED FOR CLARITY



VIEW A

SOME DETAILS OMITTED FOR CLARITY

NOTES:

1. BAFFLE TO BE DOWELED IN AND REINFORCED WITH #5 BAR @ 8" C.C.E.W.

PRODUCTION WORK ORDER		PRODUCT I.D.: SECONDARY POUR	DESCRIPTION: 72" X 6" X 22½" TALL BAFFLE WALL	
	QUALITY CONTROL CHECKLIST ☐ ALL DIMENSIONS CORRECT. ☐ LIFTERS INSTALLED. ☐ HOLE LOCATION CORRECT. ☐ REINFORCING CORRECT. ☐ FINISH ON SLAB SURFACE UNIFORM. ☐ OUTSIDE TOP EDGE TROWELLED. ☐ FLAT BOTTOM.	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: ADVANCED DRAINAGE SYSTEMS	
		PLANT: BEAVER DAM, KY.	PROJECT: ADS HICKORY COMMERCE CENTER	
		WEIGHT: 816 LBS.	STRUCTURE: DIVERSION STRUCTURE A1-A2	
		TOP SECTION JOINT: N/A	QUOTE/SALES ORDER NO: 26-3263	
		BASE SECTION JOINT: N/A	PC: M. SULLIVAN	DRAWING: S. FELLETTTER
		QC CHECK INITIALS:	DATE: 10/06/26	SCALE: NTS PG. 1 of 1