

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

10/6/2026 9:54:24 AM

PC:



Structure ID: Diversion Structure A1-A2

P2 BX072144-08LD08S

CB FLAT TOP 8"W w/24"Hole F/F

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"

0 lb
7602 lb
24398 lb
816 lb
250 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
Structure Total: 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

REBAR TAKEOFF (TOP LAYER)

BAR	SIZE	LENGTH	QTY	SHAPE
T1	#5	28 in (2'-4")	2 pcs	STR
T2	#5	29 in (2'-5")	4 pcs	STR
T3	#5	35 in (2'-11")	4 pcs	STR
T4	#5	64 in (5'-4")	2 pcs	STR
T5	#5	65 in (5'-5")	4 pcs	STR
T6	#5	71 in (5'-11")	4 pcs	STR
T7	#5	156 in (13'-0")	12 pcs	STR
T8	#5	84 in (7'-0")	24 pcs	STR
T9	#5	24 in (2'-0")	4 pcs	DIAG

Total Pieces: 60 Pcs
Total Footage: 414.09 LF
Total Weight: 431.90 lbs (0.216 Tons)

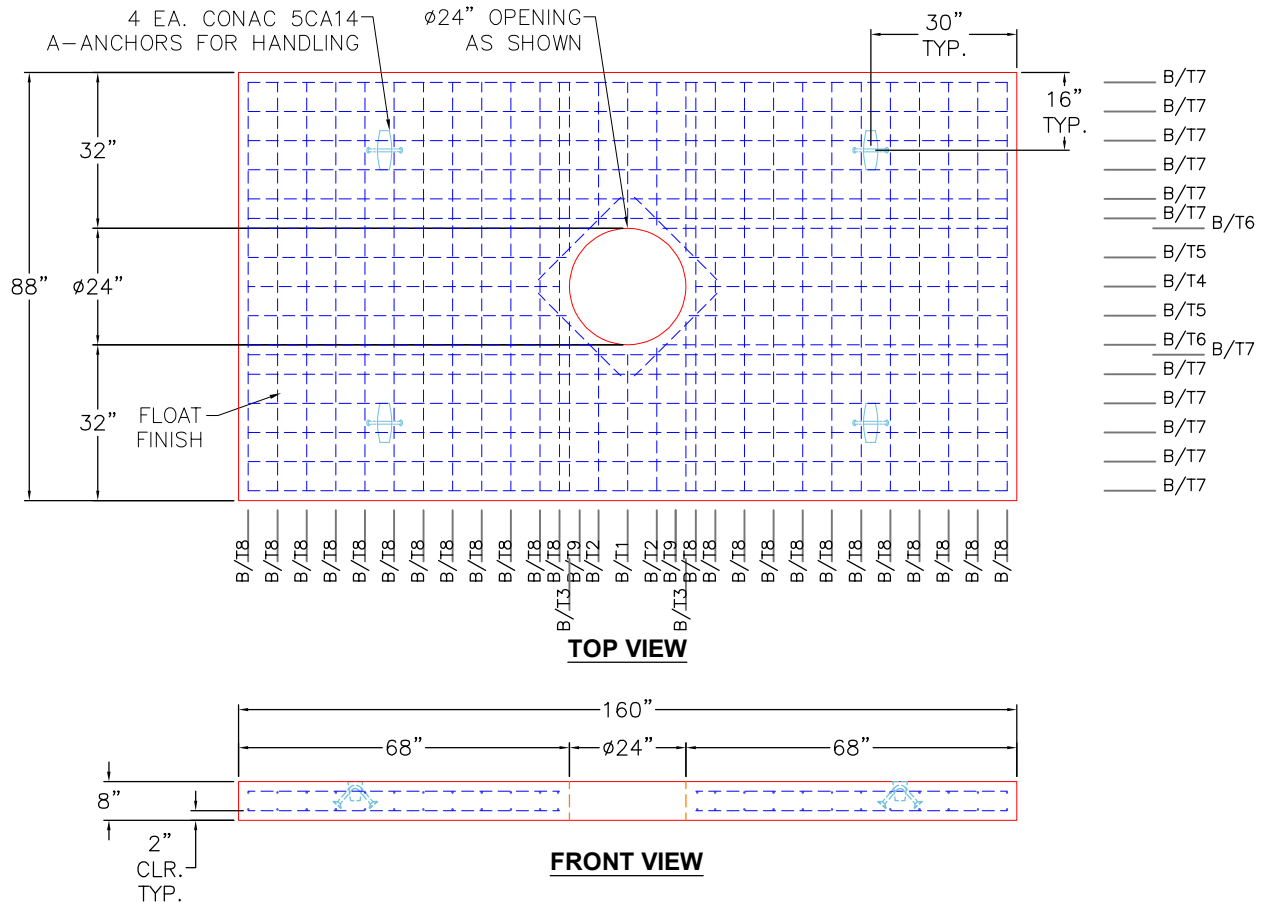
REBAR TAKEOFF (BOTTOM LAYER)

BAR	SIZE	LENGTH	QTY	SHAPE
B1	#5	28 in (2'-4")	2 pcs	STR
B2	#5	29 in (2'-5")	4 pcs	STR
B3	#5	35 in (2'-11")	4 pcs	STR
B4	#5	64 in (5'-4")	2 pcs	STR
B5	#5	65 in (5'-5")	4 pcs	STR
B6	#5	71 in (5'-11")	4 pcs	STR
B7	#5	156 in (13'-0")	12 pcs	STR
B8	#5	84 in (7'-0")	24 pcs	STR
B9	#5	24 in (2'-0")	4 pcs	DIAG

Total Pieces: 60 Pcs
Total Footage: 414.09 LF
Total Weight: 431.90 lbs (0.216 Tons)

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
2. CONCRETE 4,000 PSI AT 28 DAYS.
3. REINFORCING: DBL MAT #5 BAR @ 6" C.C.E.W. (GRADE 60).



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 8"

Weight (Net): 7602 lb
Volume (Net): 1.94cu.yd