

Job Name: 26-2648 Midtown Commons Apartments

Job Location: Madisonville, KY

Contractor: Steve Pleasant Excavating

Plant: Beaver Dam

7/20/2026 10:44:28 AM

Tech: S. Felletter

PC:

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: B1 ST-OCS

P1 BX3648-08BAVF

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

P2) 36" x 48" - CASTING HEIGHT - 0"

P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 42"

1) CASTING - TRASHRACKS LFS-3648 Flush Mount Grate

1) 36" x 48" - Conseal CS-102 1.00"

1) DOGHOUSE INVRTD - 46"x46"

1) Horiz Slot n/n - 24"X12"

1) Orifice - 18"

0 lb

6272 lb

213 lb

0 lb

0 lb

0 lb

0 lb

0 lb

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Structure Total: 6485 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. CASTING BY ICAST (LSF 3648-G GALVANIZED TRASH RACK).

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: 435.4'

Rim to Invert: 3.51'

Slack: 0.12"

Sump: 0"

Step Position:

| Position | Elev    | Angle | Ext. (cw) | Pipe                 | Pipe OD   | Connector               | Hole      | Horz Size | Up ( ) | Offset |
|----------|---------|-------|-----------|----------------------|-----------|-------------------------|-----------|-----------|--------|--------|
| Invert 1 | 431.89' | 90°   | 32"       | 36" ADS N-12         | 42"       | DOGHOUSE INVRTD 46"x46" | 46" x 46" | 46"       | -3"    | 0"     |
| Invert 2 | 431.97' | 270°  | 32"       | 24" x 12" Horiz Slot | 24" x 12" | Horiz Slot 24"X12"      | 24" x 12" | 24"       | 0.96"  | 0"     |
| Invert 3 | 433.22' | 270°  | 32"       | 18" Orifice          | 18"       | Orifice 18"             | 18"       | 18"       | 15.96" | 0"     |
| Invert 4 |         |       |           |                      |           |                         |           |           |        |        |
| Invert 5 |         |       |           |                      |           |                         |           |           |        |        |
| Invert 6 |         |       |           |                      |           |                         |           |           |        |        |
| Invert 7 |         |       |           |                      |           |                         |           |           |        |        |
| Invert 8 |         |       |           |                      |           |                         |           |           |        |        |

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

(P2)

(P1) <<

Invert: 1  
Degree: 90°  
Horz: 24"  
Hole: 46" x 46"  
Up( ): -3"

36"

48"

+ 0°-

Invert: 2  
Degree: 270°  
Horz: 24"  
Hole: 24" x 12"  
Up( ): 0.96"

Invert: 3  
Degree: 270°  
Horz: 24"  
Hole: 18"  
Up( ): 15.96"

Invert: 3  
Degree: 270°  
Horz: 24"  
Hole: 18"  
Up( ): 15.96"

36"

48"

- 0°+

Invert: 2  
Degree: 270°  
Horz: 24"  
Hole: 24" x 12"  
Up( ): 0.96"

Invert: 1  
Degree: 90°  
Horz: 24"  
Hole: 46" x 46"  
Up( ): -3"

INSIDE WALL DIMENSIONS

0.96"

15.96"

2

24"

3

24"

Left

Back (36")

Right (44.0")

Front

3"

1

24"

8"

42"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 42"

Height (Ext): 50"

Weight (Net): 6272 lb

Volume (Net): 1.6cu.yd