

Job Name: 26-1109 - Channel Flow & Discharge Project

Job Location: Noblesville, IN

Contractor: Sterling Industrial LLC

Plant: 100

5/26/2026 6:08:23 PM

Tech: Jared - A

PC: E. Bradley



Structure ID: Flow Meter Vault (2)

P2 BX3648-08R-VH

BOX RISER 8inW, Variable Ht F/G

P4) 32" x 32" - CASTING (cast in) - 4"

P3) 36" x 48" - BX FLAT LID 8inW SPEC. (EJ-5830) F/F - 8"

P2) 36" x 48" - BOX RISER 8inW, Variable Ht F/G - 44"

P1) 36" x 48" - BOX BASE 8inW, 8inF T/n - 60"

1) This Structure Includes a Cast-in Item - EJ V-5830 Frame Flange Side Up (Supplied by iCast)

1) CASTING - EJ V-5830 Cast-In Frame

1) CASTING - EJ V-6630 Solid Cover

2) 36" x 48" - Conseal CS-102 1.00" (Double)

2) Hole - 12

0 lb

1890 lb

5907 lb

10138 lb

0 lb

150 lb

150 lb

0 lb

0 lb

Structure Total: 18235 lb

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS

2. CONCRETE: 4,000 PSI AT 28 DAYS

3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)

4. NO STEPS

5. EJ V-5830 CAST-IN FRAME & EJ V-6630 SOLID COVER SUPPLIED BY ICAST - FRAME TO BE CAST INTO FLAT LID FLANGE SIDE UP

Rim: 9.33'

Rim to Invert: 8.33'

Slack: -0.04"

Sump: 12"

Step Position:

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)

(P4)

(P3)

(P2) <<

(P1)

36"

48"

+ 0°-

INSIDE WALL DIMENSIONS

Front

Right (48")

Back (36")

Left

(P2)

EXT

44"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 8"

Floor Height: 0"

Height (Int): 44"

Height (Ext): 44"

Weight (Net): 5907 lb

Volume (Net): 1.51cu.yd