

**Job Name: 25-2331B Dawson Springs Industrial Park**  
**Job Location: Dawson Springs, KY**  
**Contractor: J & J Excavating**

PC: E. Bradley  
 TECH: J. Horsley  
 Plant: 100



Structure ID: **405.40 (2)**  
 Spec: Storm  
 Type: Outlet Control Structure  
 Size: 48" x 48"

Rim: 408.4'  
 Invert: 405.4'  
 Rim to Invert: 3'

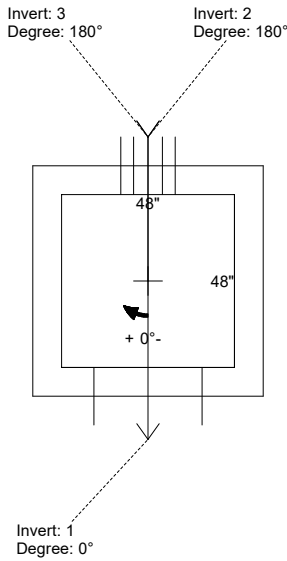
Sump: 0"  
 Floor (Top): 405.4'  
 Floor Height: 8"

Floor (Bot): 404.733'  
 Overall Height: 3.667'  
 Slack: 0"

- Structure Notes:**
- PER ASTM C-913 SPECIFICATIONS
  - CONCRETE: 4,500 PSI AT 28 DAYS
  - REINFORCEMENT:
    - WALLS: #5 BAR @ 8" C.C. E.W. (GRADE 60)
    - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60)
  - NO STORM INVERT
  - NO STEPS
  - CASTING BY ICAST (TRASHRACKS LFS-4848-P SQUARE FLUSH MOUNT GRATE)

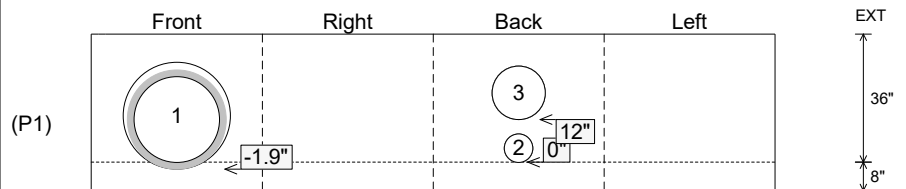
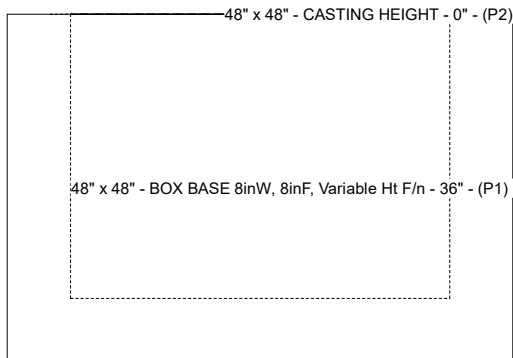
**STRUCTURE SUMMARY:**

- P2) 48" x 48" - CASTING HEIGHT - 0"  
 P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 36"
- |  |                |
|--|----------------|
| 1) CASTING - TRASHRACKS LFS-4848-P SQ. Flush Mount Grate | 0 lb           |
| 1) 48" x 48" - Conseal CS-102 1.00"                      | 7536 lb        |
| 1) Hole - 30   | 289 lb         |
| 1) Hole - 8  | 0 lb           |
| 1) Orifice - 15"   | 0 lb           |
|  | 0 lb           |
|  | 0 lb           |
| <b>Structure Total:</b>                                  | <b>7825 lb</b> |



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (L)	Ref
Rim	408.4'							
Reducer								
Invert 1	405.4'	0°	24" HDPE	27.8"	30"	Hole 30	-1.9"	P1
Invert 2	405.4'	180°	8" Orifice	8"	8"	Hole 8	0"	P1
Invert 3	406.4'	180°	15" Orifice	15"	15"	Orifice 15"	12"	P1
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

**Cast (Int. Dim.) - Interior Dimensions**



Submittal Drawing  
 1/20/2026 6:10:59 AM

SUBMITTAL  
 APPROVED BY: