

**Job Name: 25-4245 - KYTC Marion Co Call 104 (251015)**  
**Job Location: Lebanon, KY**  
**Contractor: Rame Contracting LLC**

PC: Celina Goff  
 TECH: J. Horsley - A  
 Plant: 100



Structure ID: 15  
 Spec: KYTC  
 Type: DBI TYPE 13S  
 Size: 48" x 60"

Rim: 836.75'  
 Invert: 831.75'  
 Rim to Invert: 5'

Sump: 0"  
 Floor (Top): 831.75'  
 Floor Height: 8"

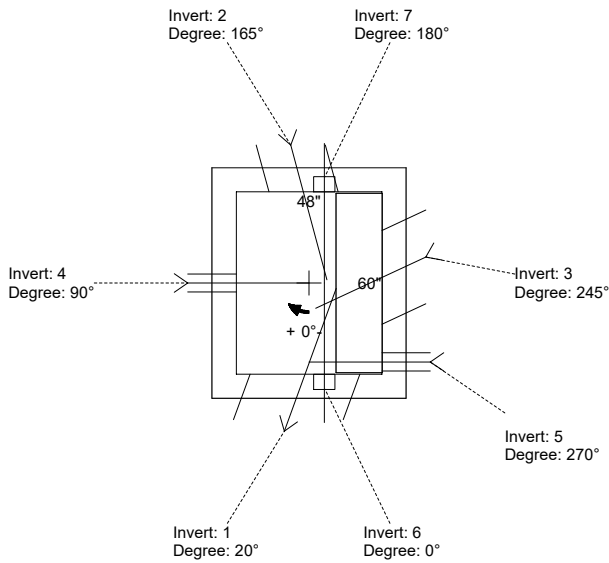
Floor (Bot): 831.083'  
 Overall Height: 5.667'  
 Slack: 0"

**Structure Notes:**

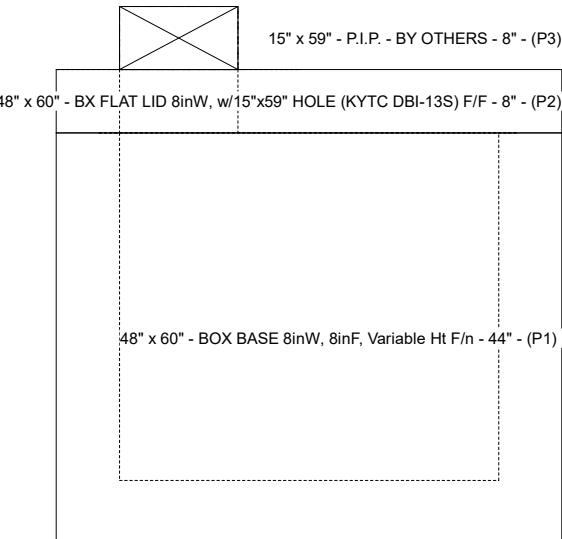
- \*\* KYTC STATE PROJECT \*\***
- HOE KY-230-S FRAME & GRATE (SAG) PROVIDED BY ICAST
  - KYTC DBI TYPE 13S / ASTM C-913 SPECS
  - CONCRETE: 4,000 PSI AT 28 DAYS
  - REINFORCEMENT:
    - FLAT LID: DBL MAT #5 BAR @ 6" C.C. E.W. (GRADE 60)
    - PIPE CHAMBER: #5 BAR @ 12" C.C. E.W. (GRADE 60)
  - NO INVERT CHANNEL
  - STUB #5 BARS SPACED @ 12" C.C. 6" OUT TOP OF FLAT LID AROUND 15" X 59" OPENING
  - 7" WIDE X 9" LONG X 5" DEEP SLOTS REQUIRED IN 0-DEGREE & 180-DEGREE WALLS FOR W6X9.0 GALVANIZED I-BEAM

**STRUCTURE SUMMARY:**

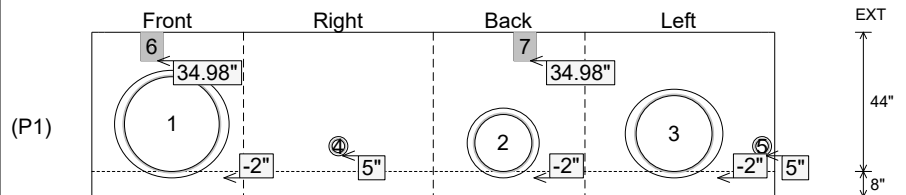
|  |                 |
|--|-----------------|
| P3) 15" x 59" - P.I.P. - BY OTHERS - 8"                                  | 0 lb            |
| P2) 48" x 60" - BX FLAT LID 8inW, w/15"x59" HOLE (KYTC DBI-13S) F/F - 8" | 2784 lb         |
| P1) 48" x 60" - BOX BASE 8inW, 8inF, Variable Ht F/n - 44"               | 9099 lb         |
| 1) CASTING - HOE KY-230-S F/G (SAG)                                      | 474 lb          |
| 1) SECONDARY POUR  | 0 lb            |
| 1) 48" x 60" - Conseal CS-102 1.00"                                      | 0 lb            |
| 1) Hole - 34   | 0 lb            |
| 1) Hole - 22   | 0 lb            |
| 1) Hole - 28   | 0 lb            |
| 2) Hole - 6  | 0 lb            |
| 2) I-Beam Notch n/n - 7"x9"x5"   | 0 lb            |
| <b>Structure Total:</b>  | <b>12357 lb</b> |



| Position | Elev    | Angle | Pipe                 | Pipe OD | Hole    | Connector             | Up (") | Ref |
|----------|---------|-------|----------------------|---------|---------|-----------------------|--------|-----|
| Rim      | 836.75' |       |                      |         |         |                       |        |     |
| Reducer  |         |       |                      |         |         |                       |        |     |
| Invert 1 | 831.75' | 20°   | 30" CMP              | 31"     | 34"     | Hole 34               | -2"    | P1  |
| Invert 2 | 831.75' | 165°  | 18" CMP              | 19"     | 22"     | Hole 22               | -2"    | P1  |
| Invert 3 | 831.75' | 245°  | 24" CMP              | 25"     | 28"     | Hole 28               | -2"    | P1  |
| Invert 4 | 832.25' | 90°   | 4" HDPE (perf pipe)  | 4.8"    | 6"      | Hole 6                | 5"     | P1  |
| Invert 5 | 832.25' | 270°  | 4" HDPE (perf pipe)  | 4.8"    | 6"      | Hole 6                | 5"     | P1  |
| Invert 6 | 835.04' | 0°    | 7" x 9" I-Beam Notch | 7" x 9" | 7" x 9" | I-Beam Notch 7"x9"x5" | 34.98" | P1  |
| Invert 7 | 835.04' | 180°  | 7" x 9" I-Beam Notch | 7" x 9" | 7" x 9" | I-Beam Notch 7"x9"x5" | 34.98" | P1  |
| Invert 8 |         |       |                      |         |         |                       |        |     |



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



Submittal Drawing  
 12/29/2025 11:42:53 AM

SUBMITTAL  
 APPROVED BY: