

Job Name: 25-1401 Irwin Landing Ph. 1
Job Location: Murfreesboro, TN
Contractor: Bear Construction LLC

PC: Erica Bradley
TECH: S. Felletter
Plant: Beaver Dam



Structure ID: R48
Spec: Storm
Type: Junction Box
Size: 60"

Rim: 571.91'
Invert: 563.98'
Rim to Invert: 7.93'

Sump: 4"
Floor (Top): 563.647'
Floor Height: 8"

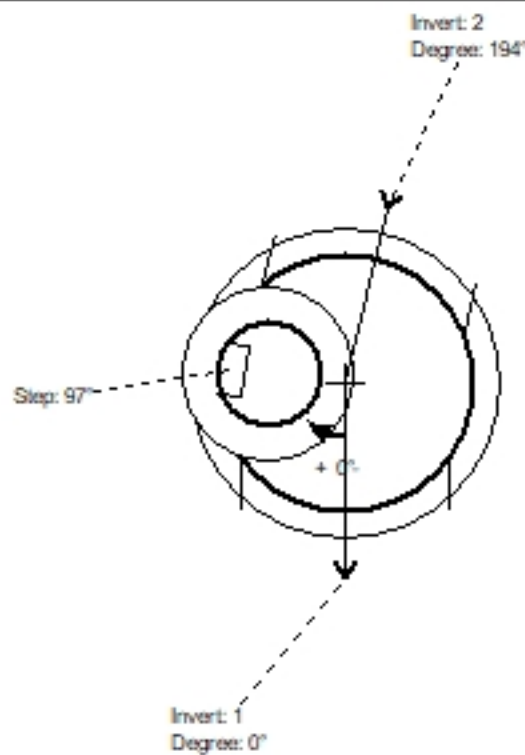
Floor (Bot): 562.98'
Overall Height: 8.833'
Slack: 1.16"

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (JBS 1150 F/C "STORM").
- REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 8" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

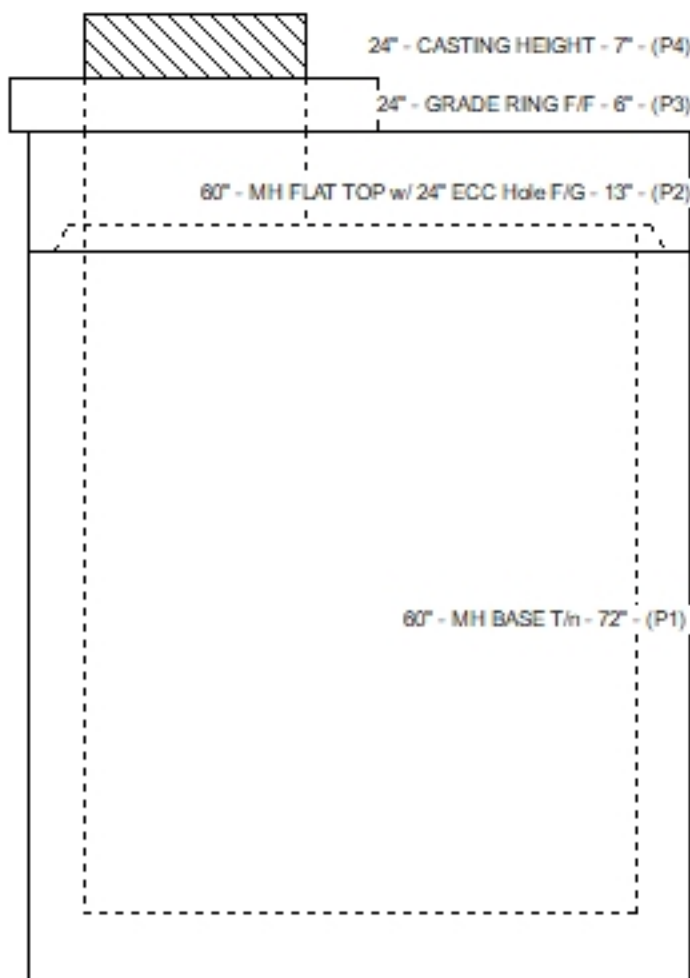
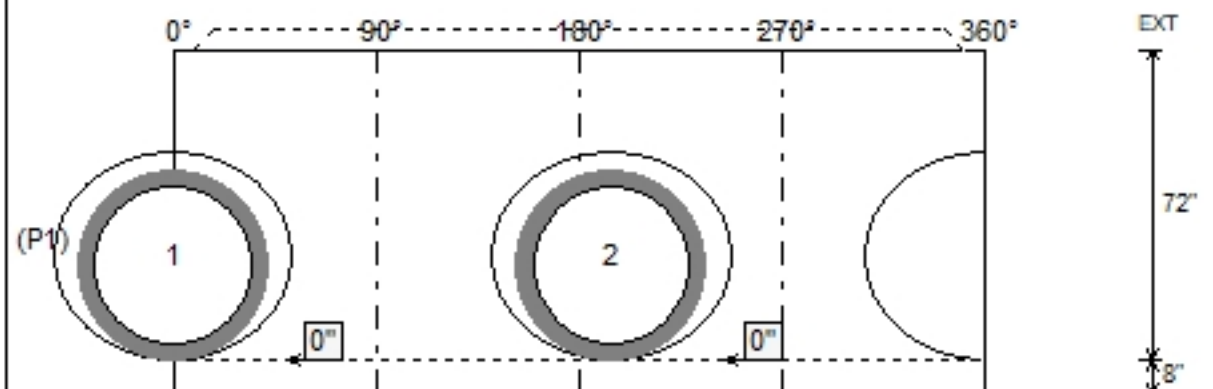
STRUCTURE SUMMARY:

P4) 24" - CASTING HEIGHT - 7"	0 lb
P3) 24" - GRADE RING F/F - 6"	405 lb
P2) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"	2889 lb
P1) 60" - MH BASE T/n - 72"	8198 lb
1) 60" - STORM INVERT CHANNEL - 1/4 HEIGHT	1700 lb
1) CASTING - JBS 1150 F/C STORM	250 lb
1) 60" - Conesal CS-102 1.00"	0 lb
2) Hole - 48	0 lb
6) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	13420 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	571.91'							
Reducer								
Invert 1	563.98'	0°	36" RCP B WALL	44"	48"	Hole 48	0"	P1
Invert 2	563.98'	194°	36" RCP B WALL	44"	48"	Hole 48	0"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

Default - Interior Dimensions



Submittal Drawing
6/10/2026 3:15:37 PM

SUBMITTAL
APPROVED BY: