

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: R8A

Spec: Storm

Type: STM.MH

Size: 48"

Rim: 574.13'

Invert: 567.93'

Rim to Invert: 6.2'

Sump: 2.5"

Floor (Top): 567.722'

Floor Height: 6"

Floor (Bot): 567.222'

Overall Height: 6.833'

Slack: 0.9"

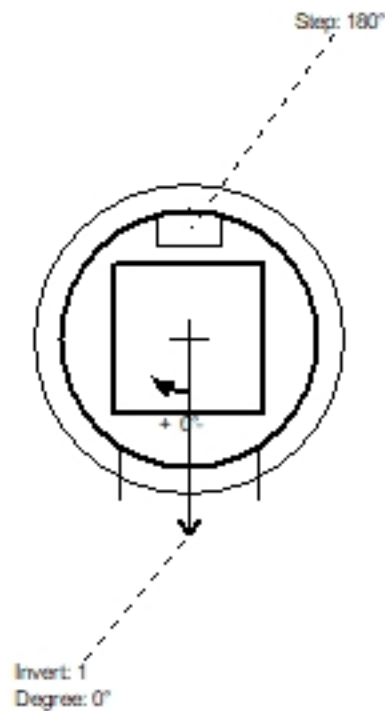
Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 8" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

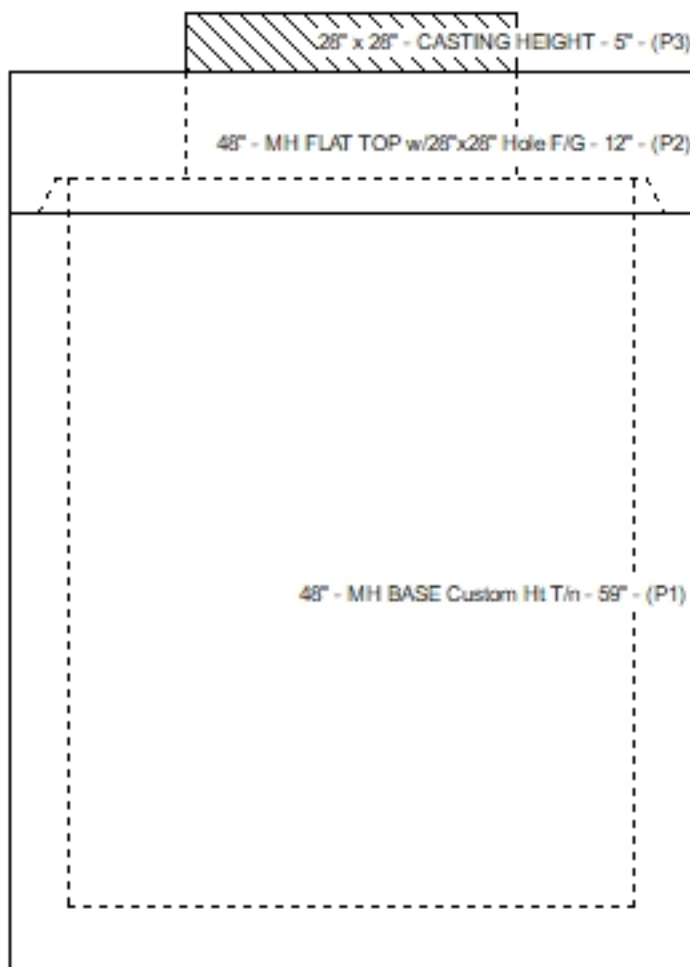
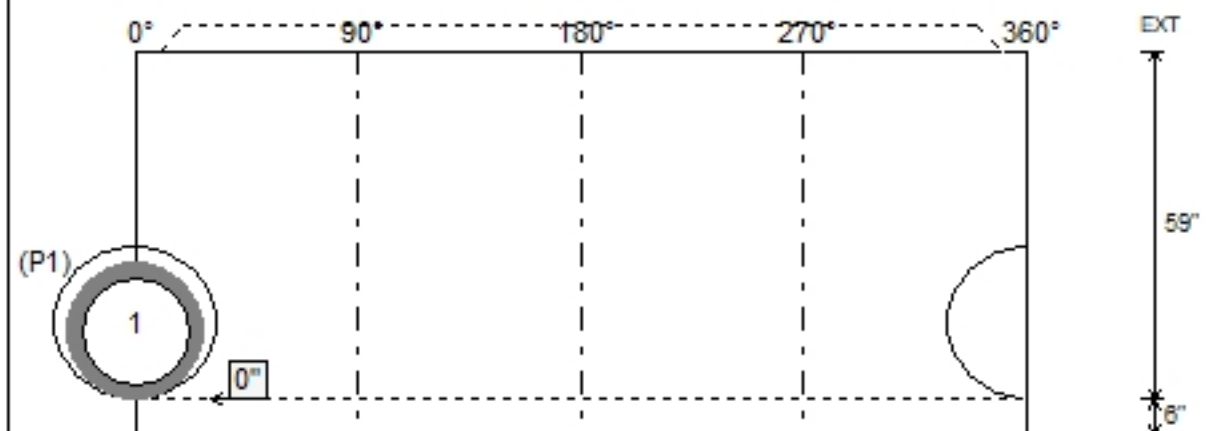
STRUCTURE SUMMARY:

P3) 28" x 28" - CASTING HEIGHT - 5"	0 lb
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"	1368 lb
P1) 48" - MH BASE Custom Ht T/n - 59"	5219 lb
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT	1075 lb
1) CASTING - JBS 3104-V SINGLE SET	250 lb
1) 48" - Con Seal CS-102 1.00"	0 lb
1) 28" x 28" - Con Seal CS-102 1.00"	0 lb
1) Hole - 28	0 lb
5) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	7912 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	574.13'							
Reducer								
Invert 1	567.93'	0°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 2								
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

Default - Interior Dimensions



Submittal Drawing
6/10/2026 3:15:27 PM

SUBMITTAL
APPROVED BY: