

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: R12

Spec: Storm

Type: STM.MH

Size: 48"

Rim: 573.42'

Invert: 567.8'

Rim to Invert: 5.62'

Sump: 2.5"

Floor (Top): 567.592'

Floor Height: 6"

Floor (Bot): 567.092'

Overall Height: 6.167'

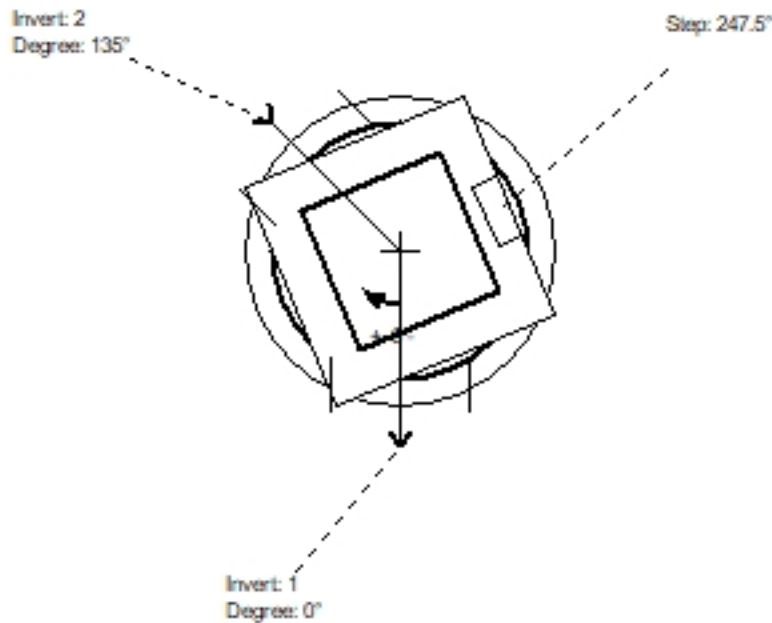
Slack: 1.94"

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.

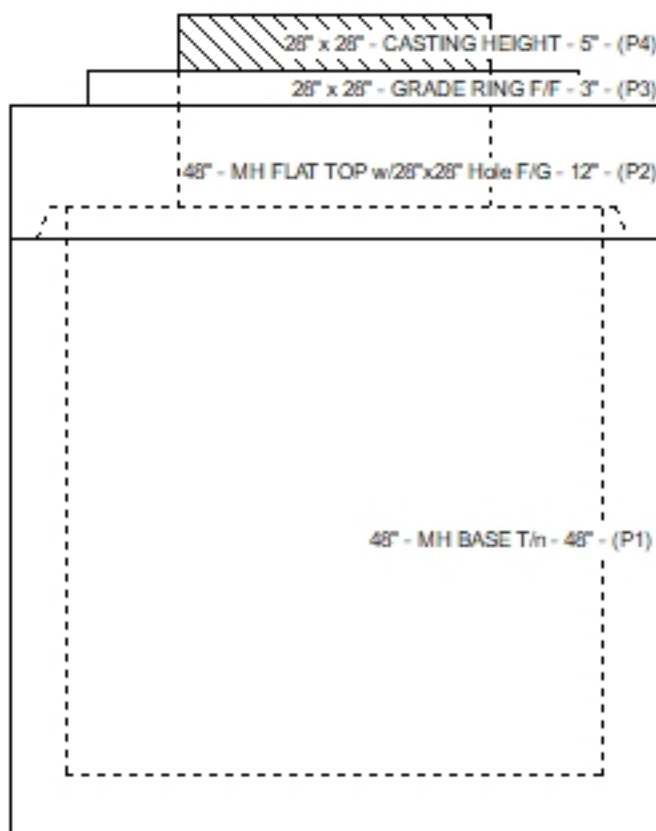
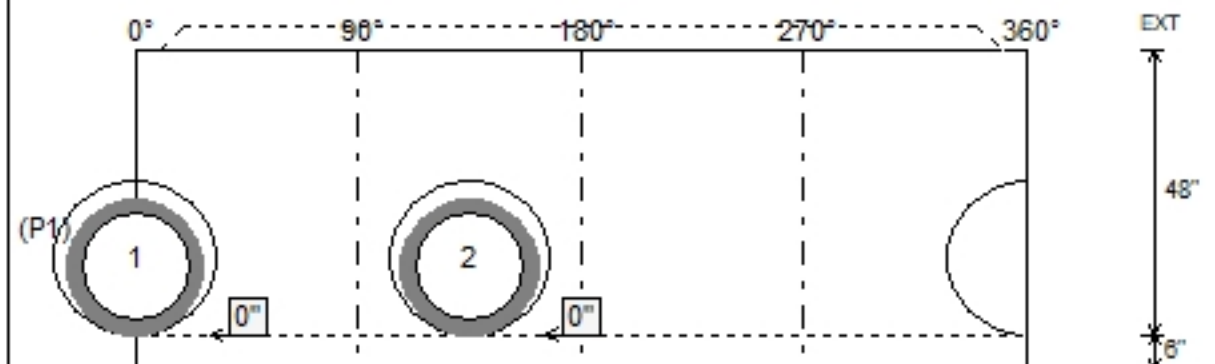
STRUCTURE SUMMARY:

P4) 28" x 28" - CASTING HEIGHT - 5"	0 lb
P3) 28" x 28" - GRADE RING F/F - 3"	290 lb
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"	1368 lb
P1) 48" - MH BASE T/n - 48"	4217 lb
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT	1075 lb
1) CASTING - JBS 3104-V SINGLE SET	250 lb
1) 48" - Conseal CS-102 1.00"	0 lb
2) 28" x 28" - Conseal CS-102 1.00"	0 lb
2) Hole - 28	0 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	7200 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	573.42'							
Reducer								
Invert 1	567.8'	0°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 2	567.8'	135°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

Default - Interior Dimensions



Submittal Drawing
6/10/2026 3:15:28 PM

SUBMITTAL
APPROVED BY: