

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: R18

Spec: Storm

Type: STM.MH

Size: 48"

Rim: 578.27'

Invert: 571.81'

Rim to Invert: 6.46'

Sump: 2.5"

Floor (Top): 571.602'

Floor Height: 6"

Floor (Bot): 571.102'

Overall Height: 7.167'

Slack: 0.02"

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).

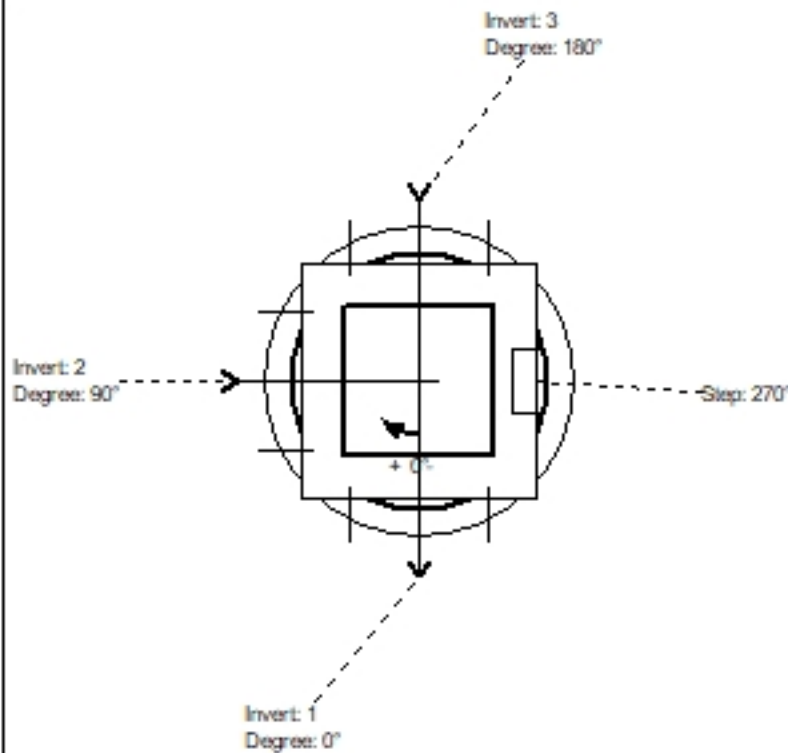
- TOP SLAB (As .62) #5 BARS AT 8" C.C.E.W..
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

- P4) 28" x 28" - CASTING HEIGHT - 5"
P3) 28" x 28" - GRADE RING F/F - 3"
P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"
P1) 48" - MH BASE T/n - 60"
1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT
1) CASTING - JBS 3104-V SINGLE SET
1) 48" - Conseal CS-102 1.00"
2) 28" x 28" - Conseal CS-102 1.00"
3) Hole - 28"
5) MH Step ML-10-TDS-NCR - 10"

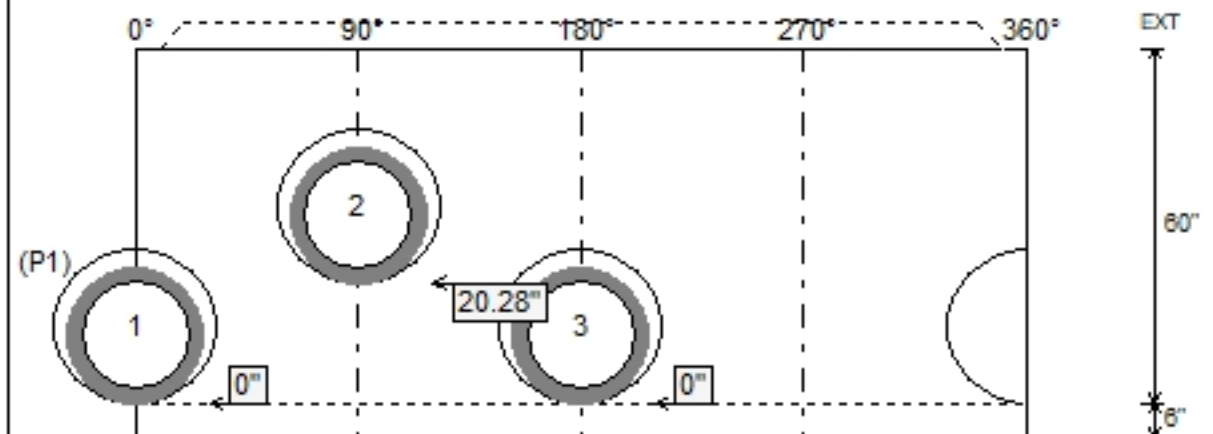
0 lb
290 lb
1368 lb
4822 lb
1075 lb
250 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 7805 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	578.27'							
Reducer								
Invert 1	571.81'	0°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 2	573.5'	90°	18" RCP B WALL	23"	28"	Hole 28	20.28"	P1
Invert 3	571.81'	180°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

Default - Interior Dimensions



Submittal Drawing
6/10/2026 3:15:30 PM

SUBMITTAL
APPROVED BY: