

Job Name: 24-3511 Coles Ferry Section 18 & 19
Job Location: Lebanon, TN
Contractor: Covenant Constructors, LLC

PC: A. Chambers
TECH: J. Horsley
Plant: Beaver Dam, KY



Structure ID: CB12 - add 48in HT Riser

Spec: Storm

Type: STM.MH

Size: 60"

Rim: 570.34'

Invert: 559.64'

Rim to Invert: 10.7'

Sump: 3.504"

Floor (Top): 559.348'

Floor Height: 8"

Floor (Bot): 558.681'

Overall Height: 11.583'

Slack: 0.904"

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (2ea JBS-3101 F/G/H)

REINFORCING PER ASTM A615 (GRADE 60).

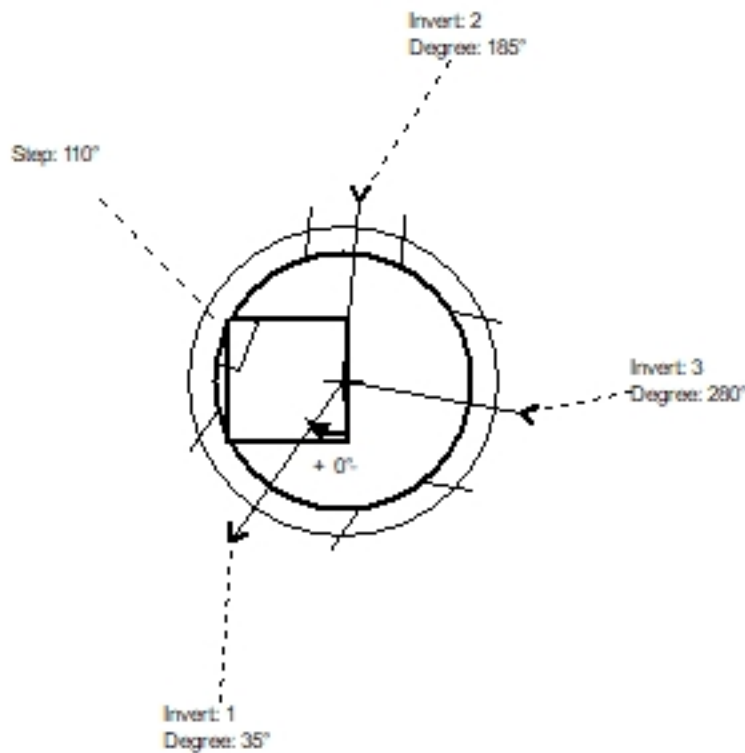
- TOP SLAB (As .62) #5 BARS AT 8" C.C.E.W.
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

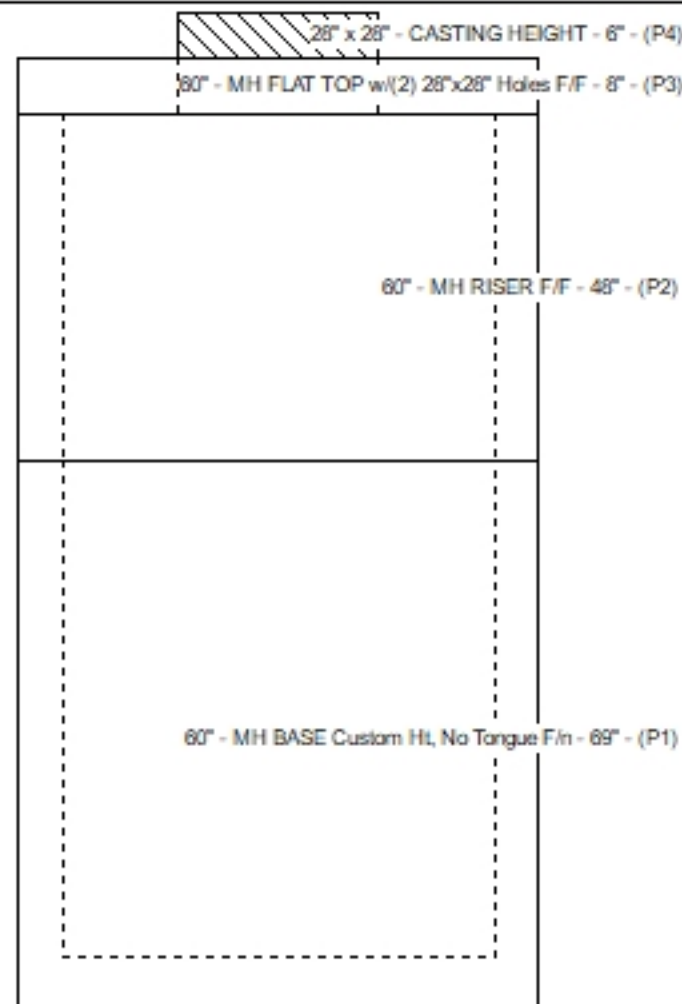
- P4) 28" x 28" - CASTING HEIGHT - 6"
P3) 60" - MH FLAT TOP w/(2) 28"x28" Holes F/F - 8"
P2) 60" - MH RISER F/F - 48"
P1) 60" - MH BASE Custom Ht, No Tongue F/n - 69"
1) CASTING - JBS 3101 Double Set (F/G/H)
2) 60" - SGL 1"x14.5" Butyl (2x)
2) Hole - 40
1) Hole - 22
9) MH Step ML-10-TDS-NCR - 10"

0 lb
1680 lb
4992 lb
8396 lb
1238 lb
0 lb
0 lb
0 lb
0 lb

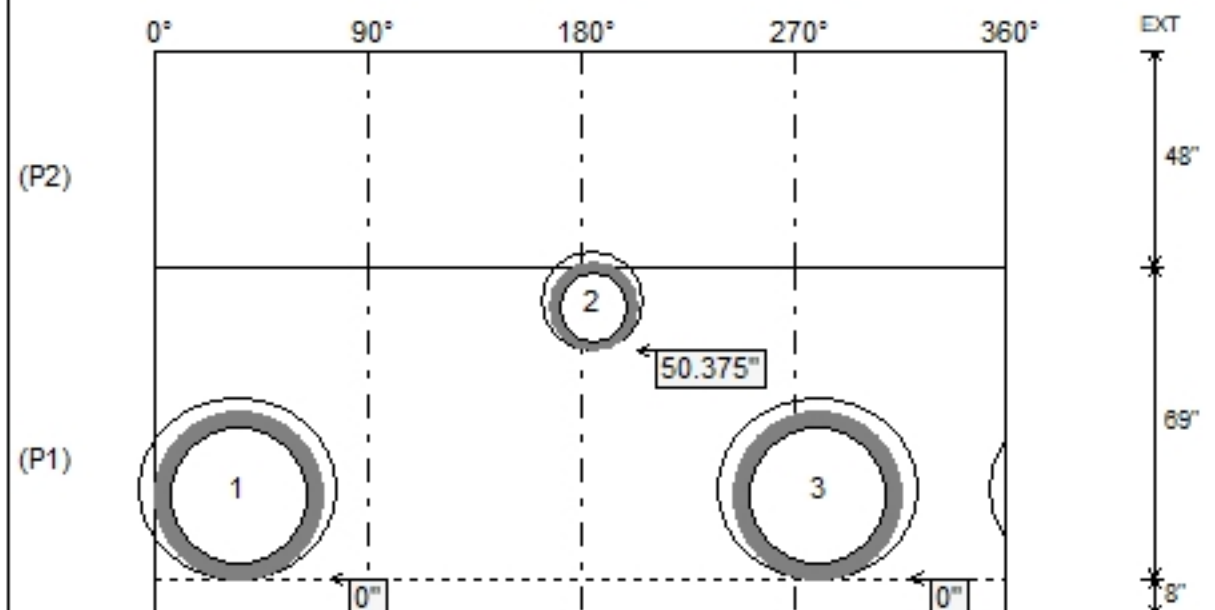
Structure Total: 16306 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	570.34'							
Reducer								
Invert 1	559.64'	35°	30" RCP B WALL	37"	40"	Hole 40	0"	P1
Invert 2	563.73'	185°	15" RCP B WALL	19.5"	22"	Hole 22	50.375"	P1
Invert 3	559.64'	280°	30" RCP B WALL	37"	40"	Hole 40	0"	P1
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Cast (Int. Dim.) - Interior Dimensions



Submittal Drawing
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SUBMITTAL
APPROVED BY: