

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: **CB10**
 Spec: Storm
 Type: STM.MH
 Size: 60"

Rim: 571.83'
 Invert: 567.14'
 Rim to Invert: 4.69'

Sump: 3.504"
 Floor (Top): 566.848'
 Floor Height: 8"

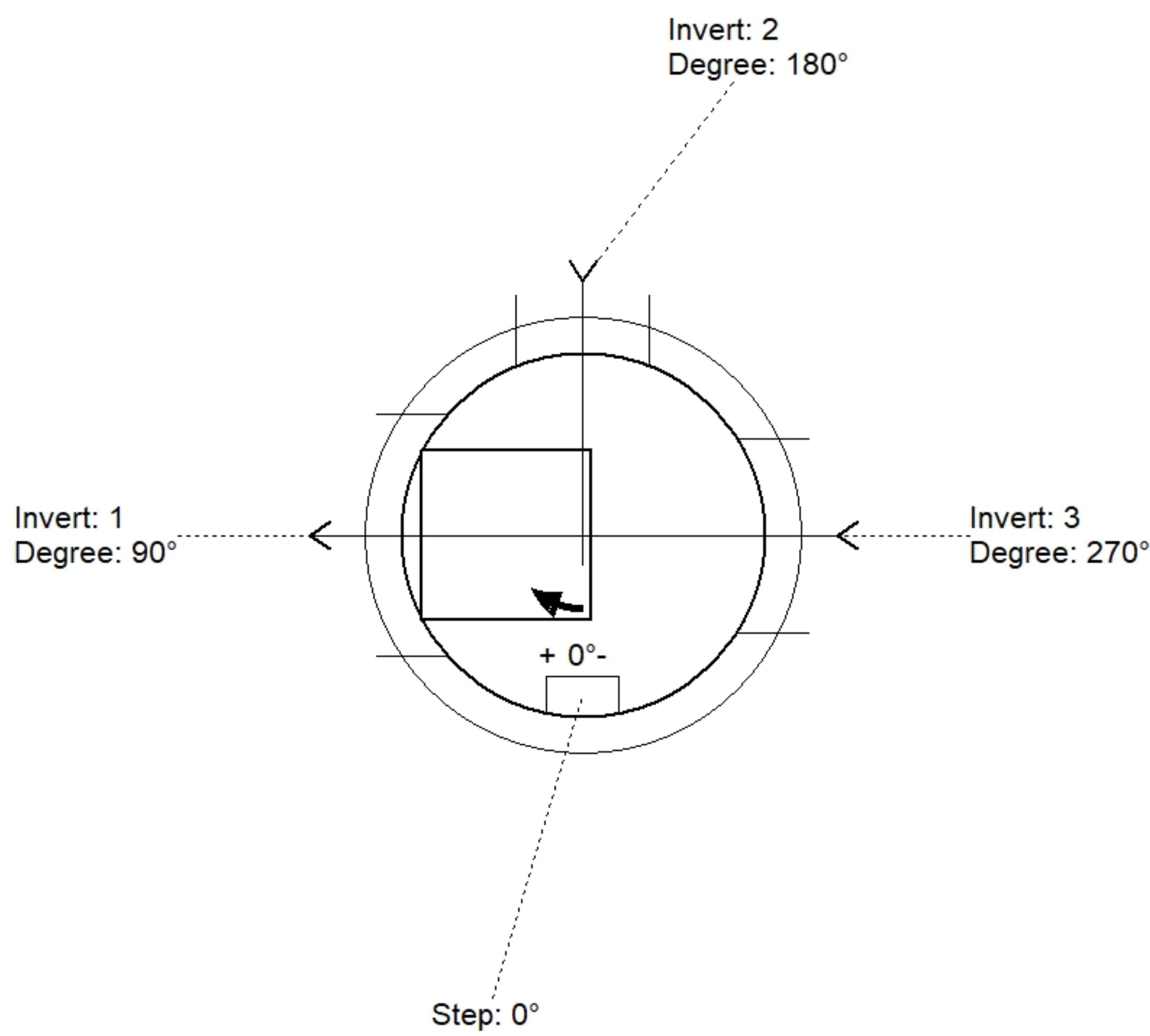
Floor (Bot): 566.181'
 Overall Height: 5.583'
 Slack: 0.784"

Structure Notes:

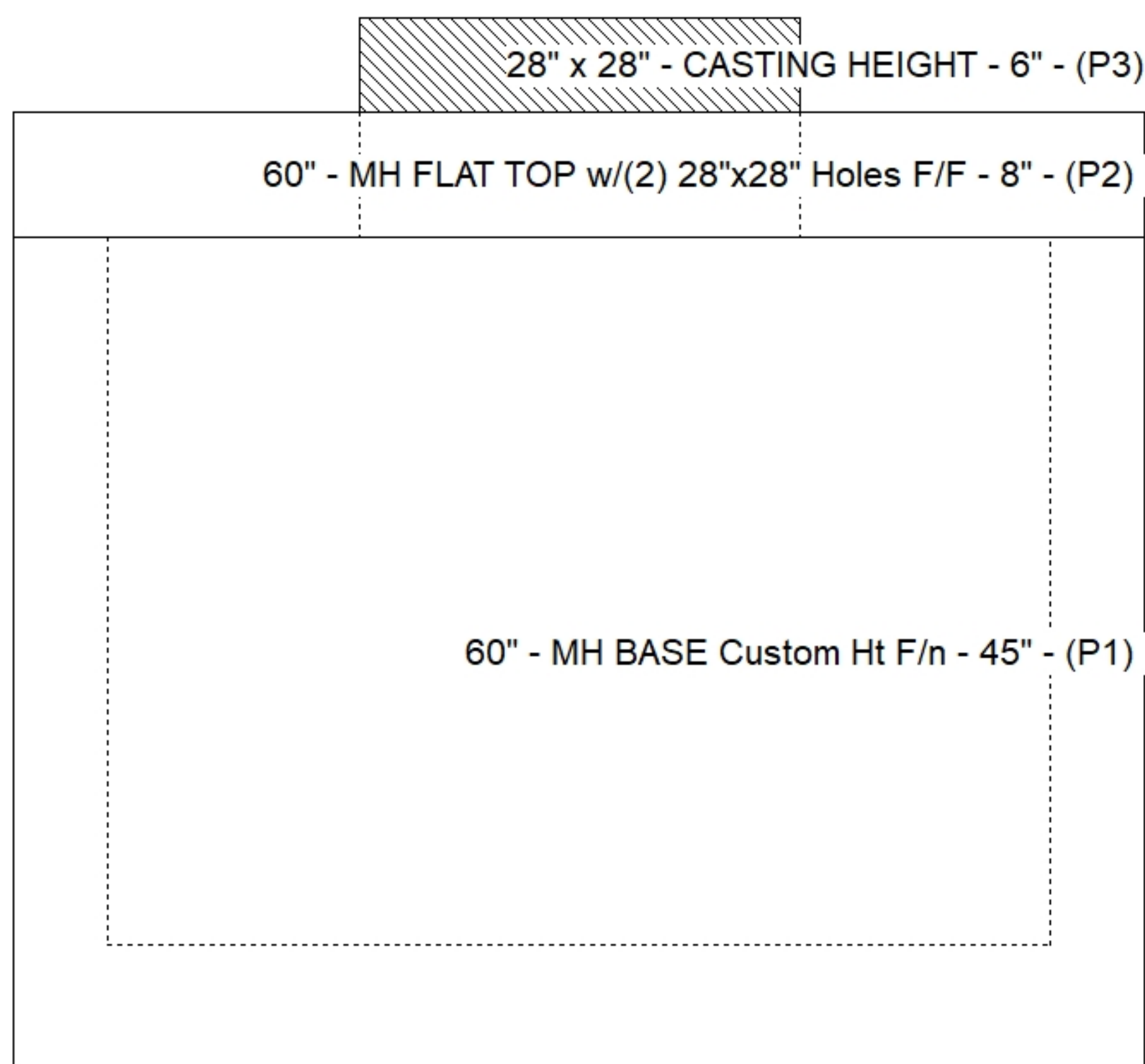
- PER ASTM C913 SPECIFICATIONS.
 - CONCRETE = 4,000 PSI AT 28 DAYS.
 - NO INVERT CHANNEL.
 - CASTING BY ICAST (2ea. JBS 3101 F/G/H).
- REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .18)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

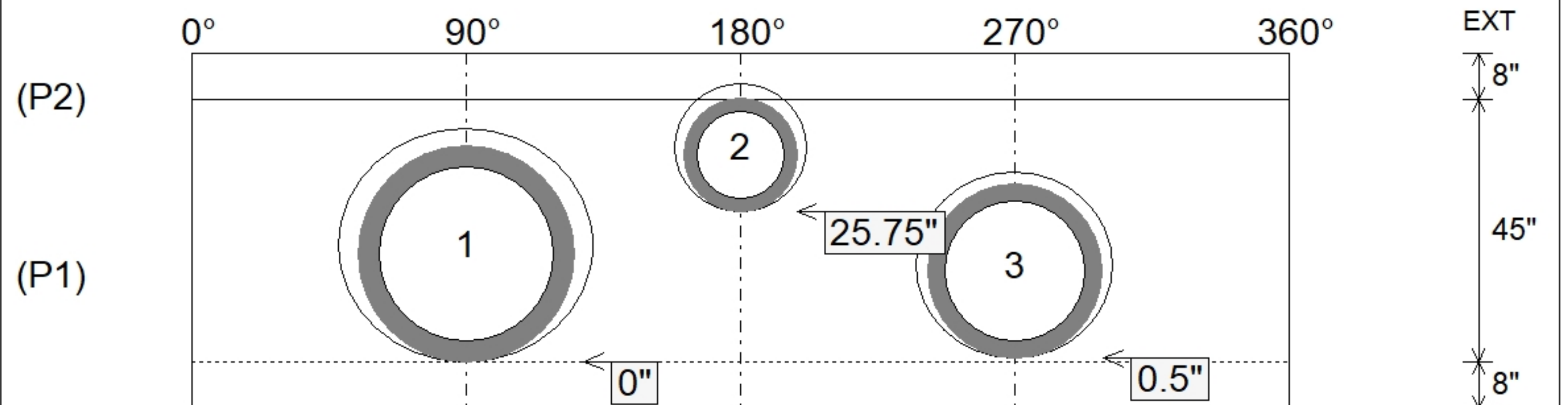
P3) 28" x 28" - CASTING HEIGHT - 6"	0 lb
P2) 60" - MH FLAT TOP w/(2) 28"x28" Holes F/F - 8"	1822 lb
P1) 60" - MH BASE Custom Ht F/n - 45"	6502 lb
1) CASTING - JBS 3101 Double Set (F/G/H)	1238 lb
1) 60" - SGL 1"x14.5' Butyl (2x)	0 lb
1) Hole - 40	0 lb
1) Hole - 22	0 lb
1) Hole - 32	0 lb
3) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	9562 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	571.83'							
Reducer								
Invert 1	567.14'	90°	30" RCP B WALL	37"	40"	Hole 40	0"	P1
Invert 2	569.18'	180°	15" RCP B WALL	19.5"	22"	Hole 22	25.75"	P1
Invert 3	567.14'	270°	24" RCP B WALL	30"	32"	Hole 32	0.5"	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: