

**Job Name: 25-2468 Kerrick Elementary**  
**Job Location: Louisville, KY**  
**Contractor: KY Earthworks**

PC: J. Jarvis  
 TECH: J. Horsley  
 Plant: Beaver Dam



Structure ID: **ST 15-MH**

Spec: Storm  
 Type: STM.MH (mono str)  
 Size: 48"

Rim: 448.7'  
 Invert: 445.1'  
 Rim to Invert: 3.6'

Sump: 1.896"  
 Floor (Top): 444.942'  
 Floor Height: 6"

Floor (Bot): 444.442'  
 Overall Height: 4.25'  
 Slack: 0.096"

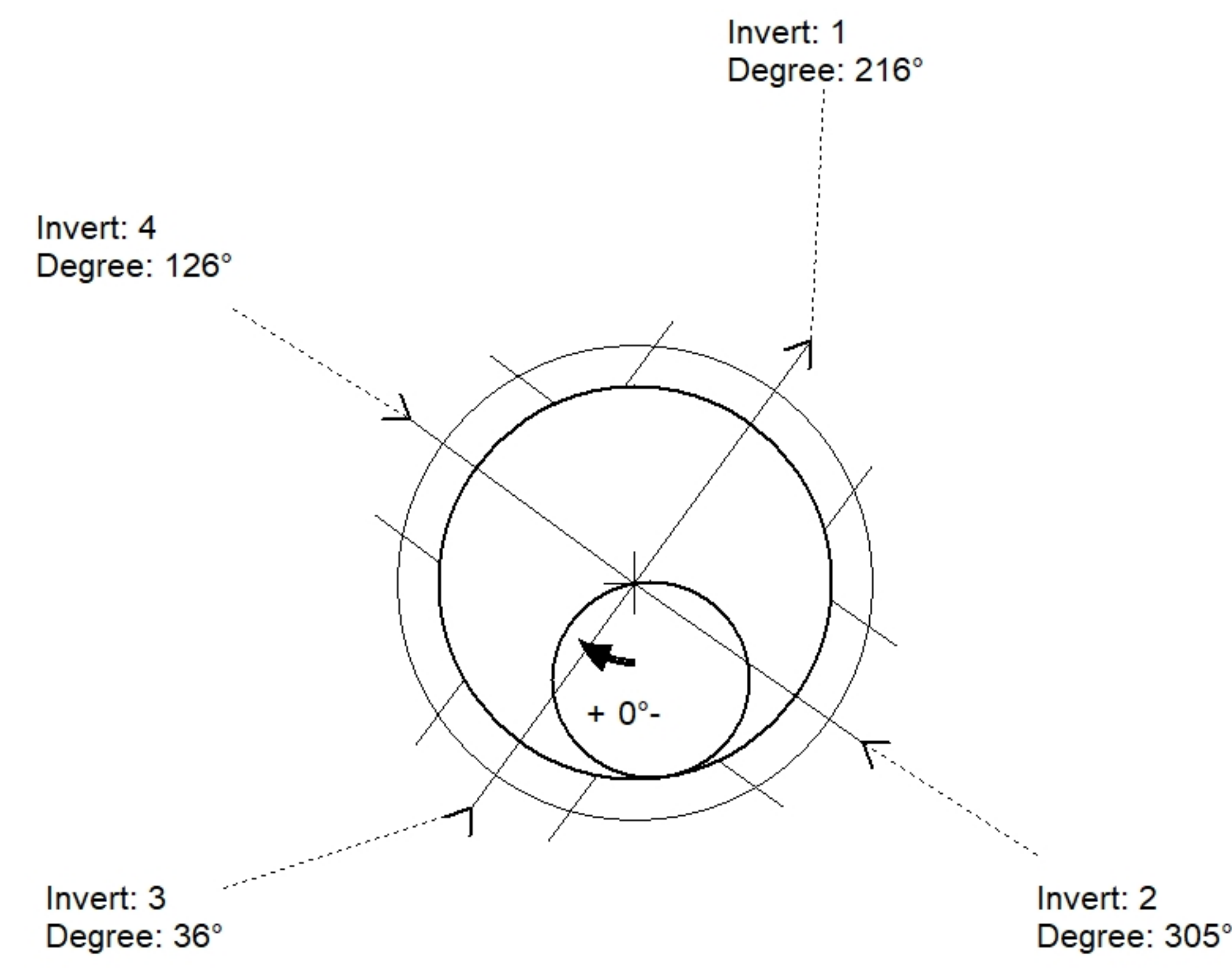
**Structure Notes:**

- PER LOUISVILLE MSD/ ASTM C478 SPECIFICATIONS.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- CASTING BY OTHERS (HOE MC-420 F/C).
- NOTE: DUE TO THE SHALLOW DEPTH, THE TOP SLAB & BASE SECTION WILL BE PROVIDED AS A ONE-PIECE MONOLITHIC SECTION.

REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

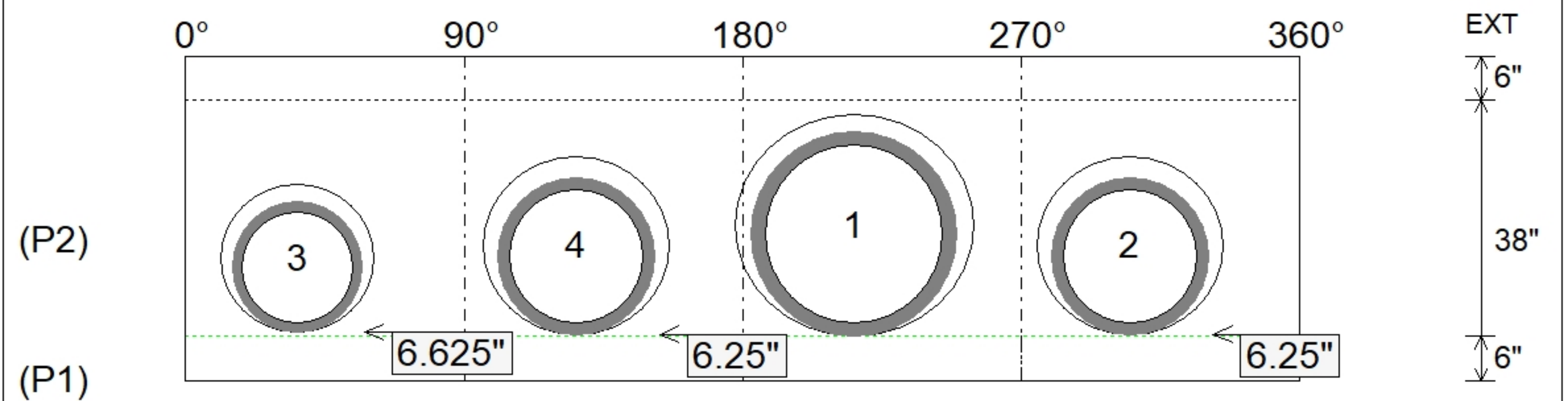
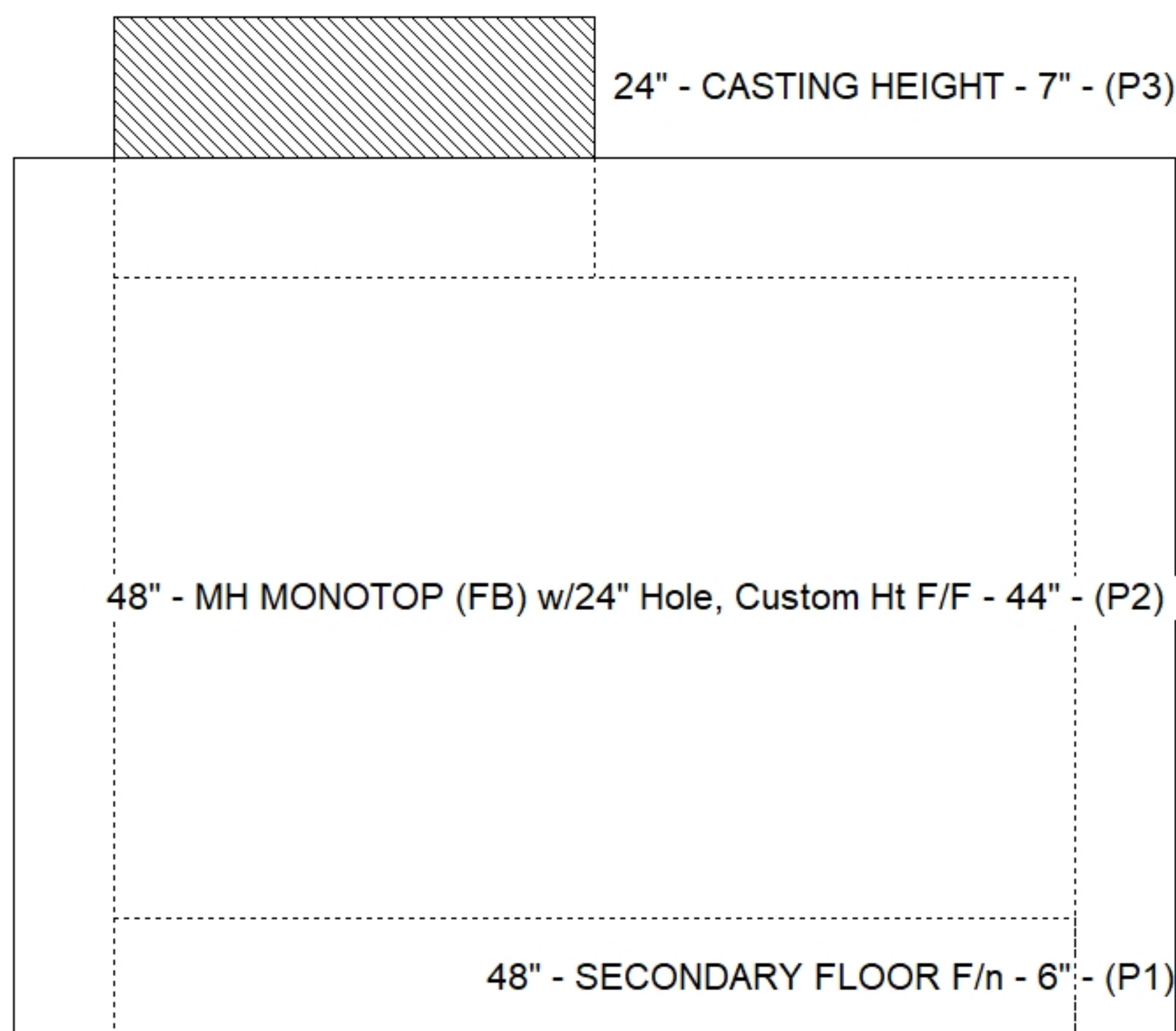
**STRUCTURE SUMMARY:**

P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 48" - MH MONOTOP (FB) w/24" Hole, Custom Ht F/F - 44"	2911 lb
P1) 48" - SECONDARY FLOOR F/n - 6"	911 lb
1) SECONDARY POUR	0 lb
1) 48" - SGL 1"x14.5' Butyl (2x)	0 lb
1) Hole - 30	0 lb
2) Hole - 24	0 lb
1) Hole - 20	0 lb
<b>Structure Total:</b>	<b>3822 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	448.7'							
Reducer								
Invert 1	445.1'	216°	24" HDPE	27.8"	30"	Hole 30	6"	P2
Invert 2	445.1'	305°	18" HDPE	21.2"	24"	Hole 24	6.25"	P2
Invert 3	445.1'	36°	15" HDPE	17.6"	20"	Hole 20	6.625"	P2
Invert 4	445.1'	126°	18" HDPE	21.2"	24"	Hole 24	6.25"	P2
Invert 5								
Invert 6								
Invert 7								
Invert 8								

**Cast (Int. Dim.) - Interior Dimensions**



Submittal Drawing  
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SUBMITTAL  
 APPROVED BY: