

Contractor: ADS Advanced Drainage Systems, Inc.

PC:	T. Ryan
TECH:	S. Felletter
Plant: Beaver Dam	

Structure ID: **WQU1**

Spec: Storm-Pipe Centered
Type: STM.MH
Size: 60"

Rim: 507.3'	Sump: 81"
Invert: 504.28'	Floor (Top): 497.53'
Rim to Invert: 3.02'	Floor Height: 8"

Floor (Bot): 496.863'
Overall Height: 10.417'
Slack: 0.24"

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (HOE MC-375 F/C "STORM").
4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.
5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED PRIOR TO INTERNAL INSTALLATION/DELIVERY.

REINFORCING PER ASTM A615 (GRADE 60).

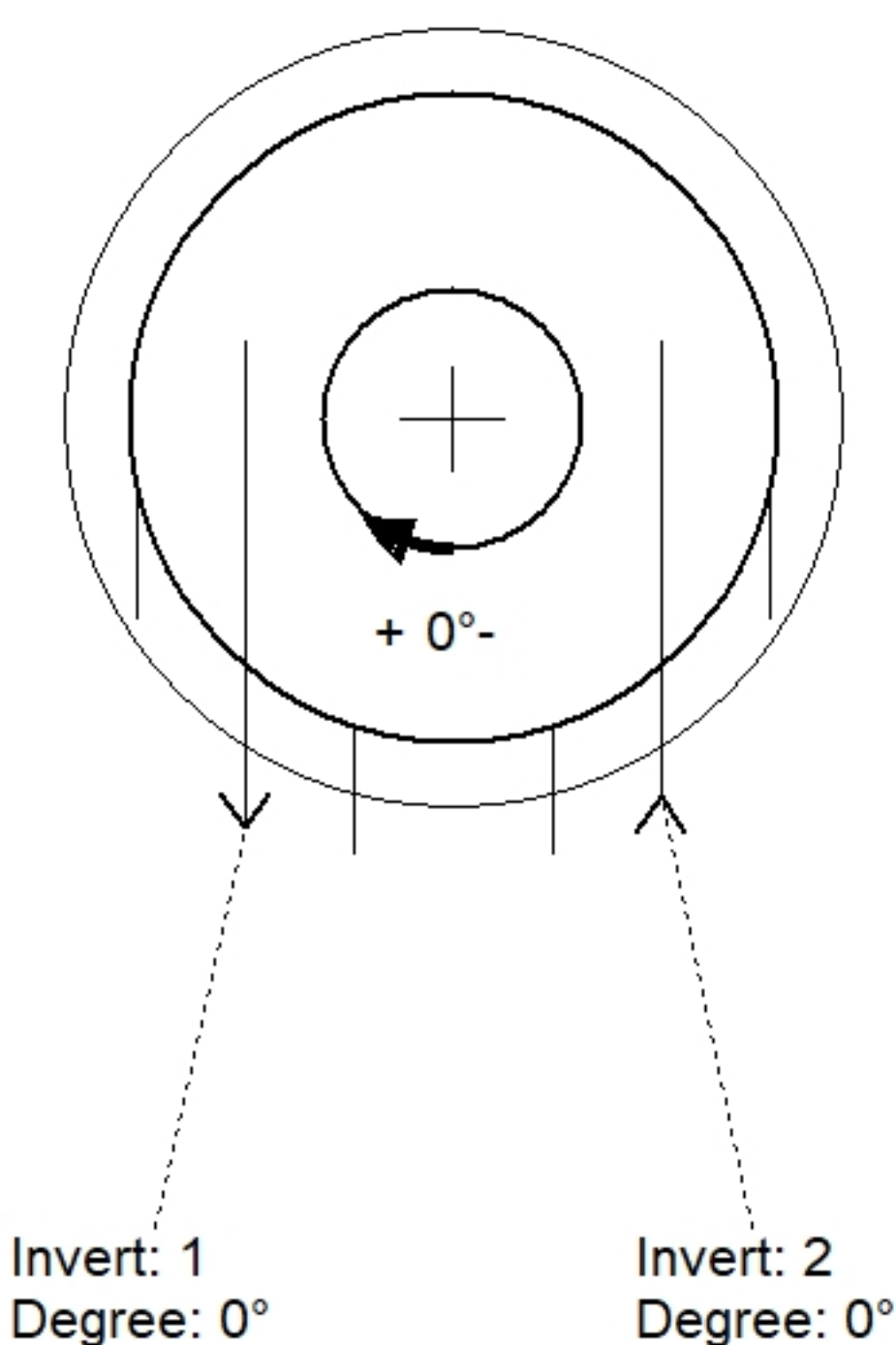
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .18)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

STRUCTURE SUMMARY:

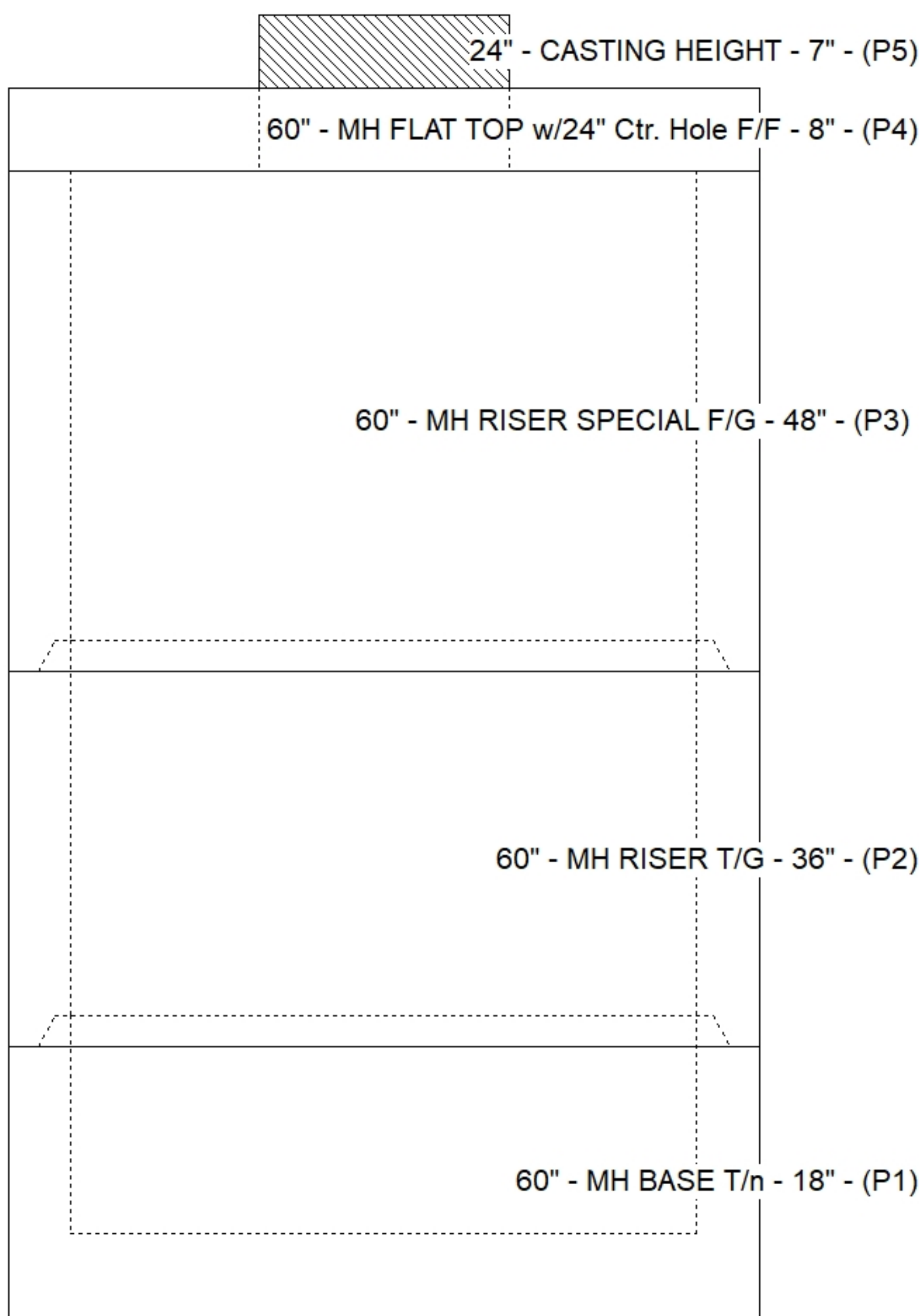
- P5) 24" - CASTING HEIGHT - 7"
- P4) 60" - MH FLAT TOP w/24" Ctr. Hole F/F - 8"
- P3) 60" - MH RISER SPECIAL F/G - 48"
- P2) 60" - MH RISER T/G - 36"
- P1) 60" - MH BASE T/n - 18"
- 1) ASSEMBLY REQUIRED
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 3) 60" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) Hole - 20

0 lb
2429 lb
4570 lb
3758 lb
4612 lb
0 lb
0 lb
0 lb
0 lb
0 lb

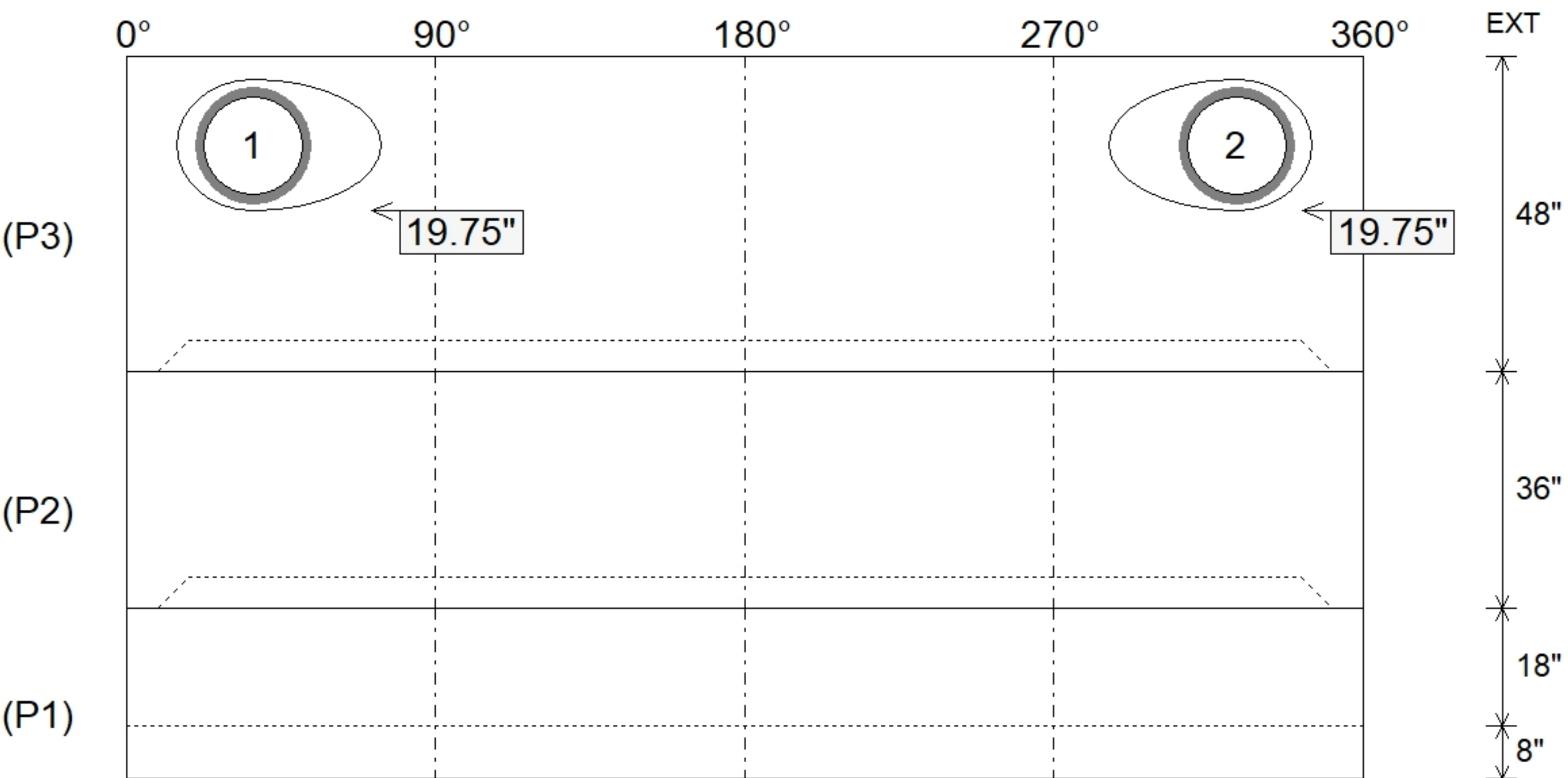
Structure Total: 15370 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (⌵)	Ref
Rim	507.3'							
Reducer								
Invert 1	504.28'	0°	15" HDPE	17.6"	20"	Hole 20	19.75"	P3
Invert 2	504.28'	0°	15" HDPE	17.6"	20"	Hole 20	19.75"	P3
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Default - Interior Dimensions



Submittal Drawing
8/28/2026 8:11:19 AM

SUBMITTAL
APPROVED BY: