

Job Name: 25-1664 Springfield WWTP
Job Location: Springfield, TN
Contractor: Smith Contractors, Inc.

PC: C. Goff
 TECH: J. Coppage
 Plant: Beaver Dam



Structure ID: IN-PLANT PUMP STATION

Spec: Sanitary-Xypex
 Type: Manhole
 Size: 96"

Rim: 522.5'
 Invert: 517.3'
 Rim to Invert: 5.2'

Sump: 84.6"
 Floor (Top): 510.25'
 Floor Height: 12"

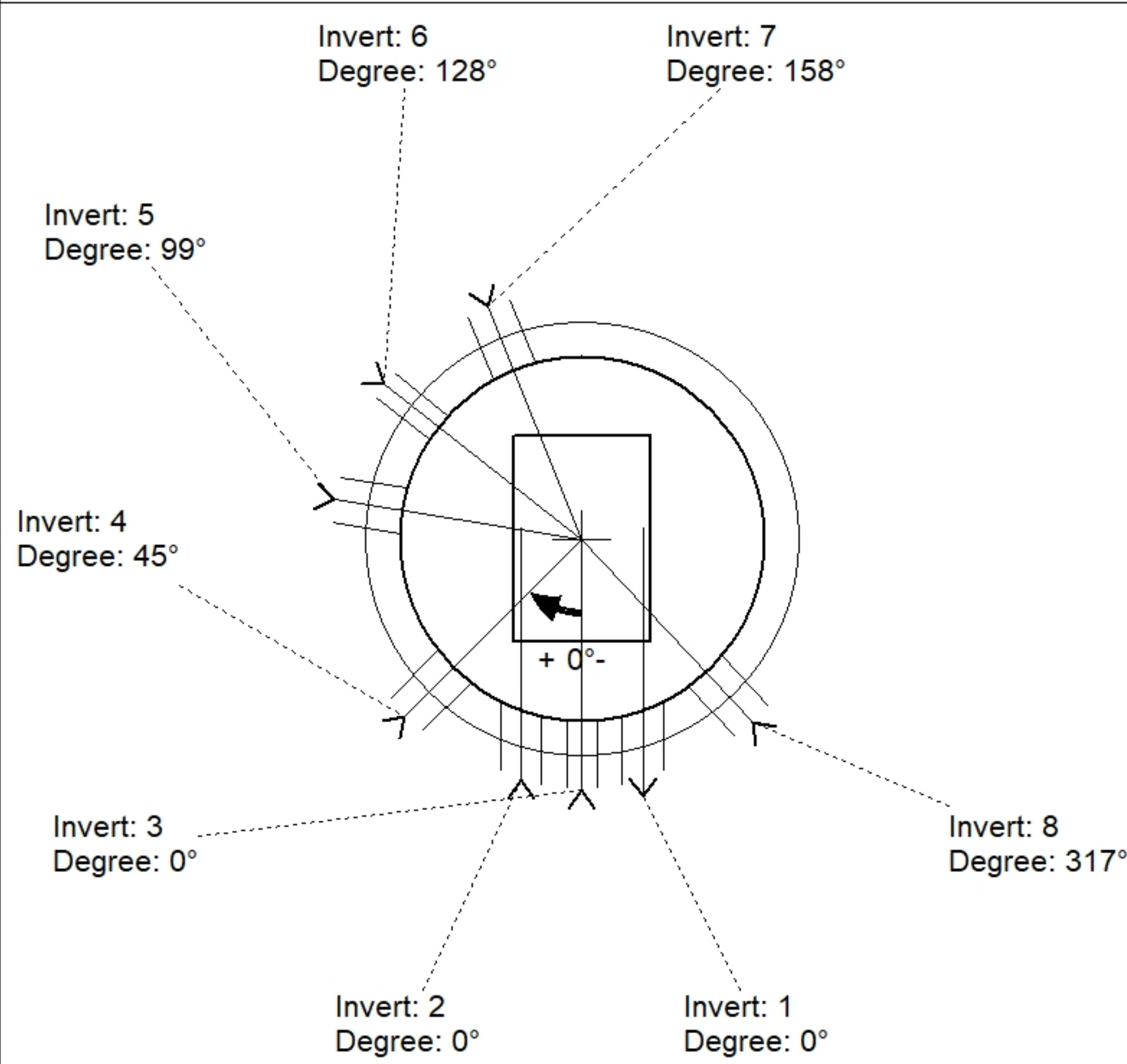
Floor (Bot): 509.25'
 Overall Height: 13.25'
 Slack: 0"

Structure Notes:

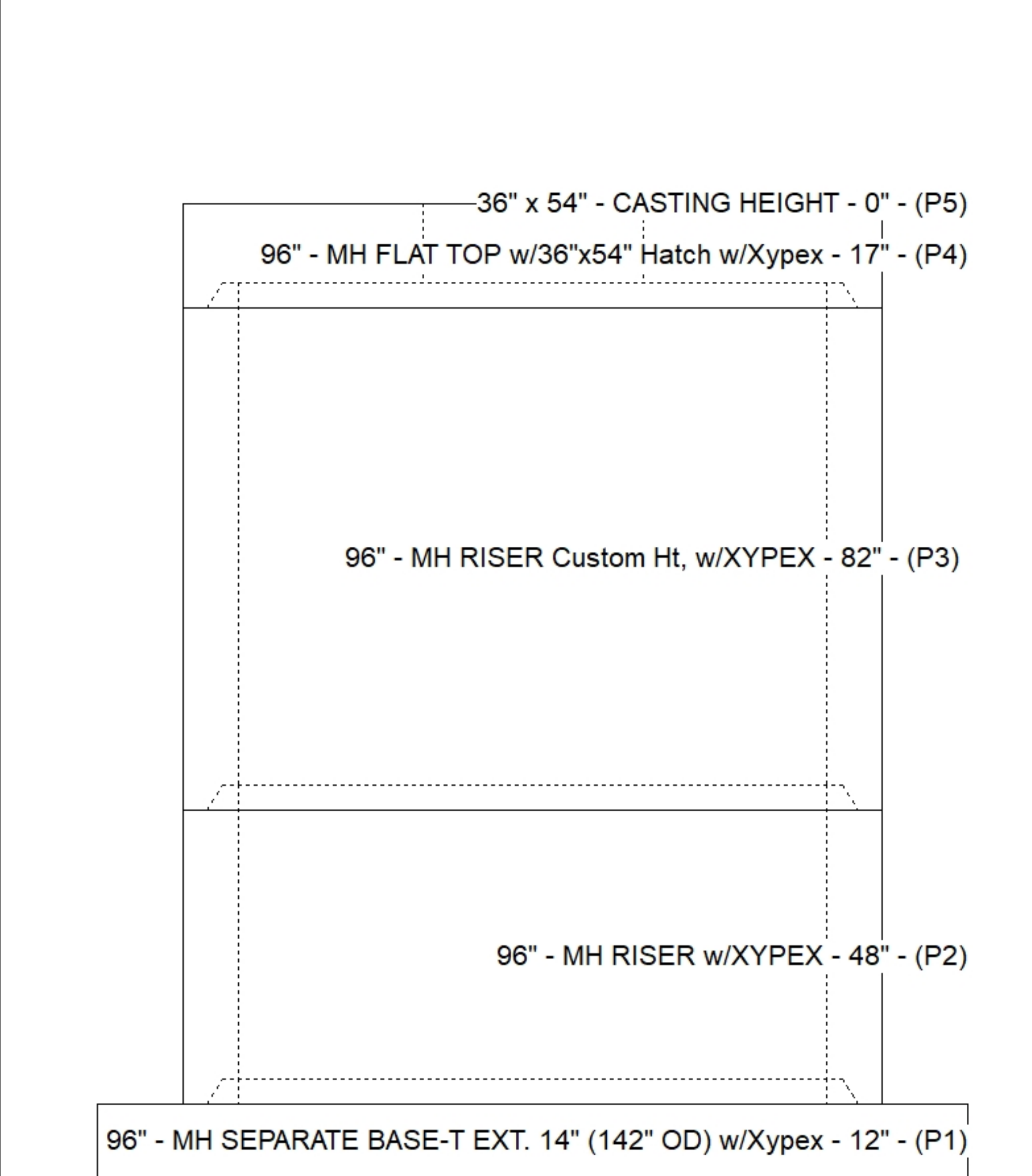
1. PER ASTM C-478 LATEST REVISION
2. CONCRETE = 5,000 PSI AT 28 DAYS
3. XYPEX ADMIXTURE REQUIRED
4. REINFORCEMENT: PER ASTM A615 (GRADE 60)
5. (36" X 54" HATCH PROVIDED BY OTHERS)
6. HATCH TO BE CAST INTO THE TOP SLAB.

STRUCTURE SUMMARY:

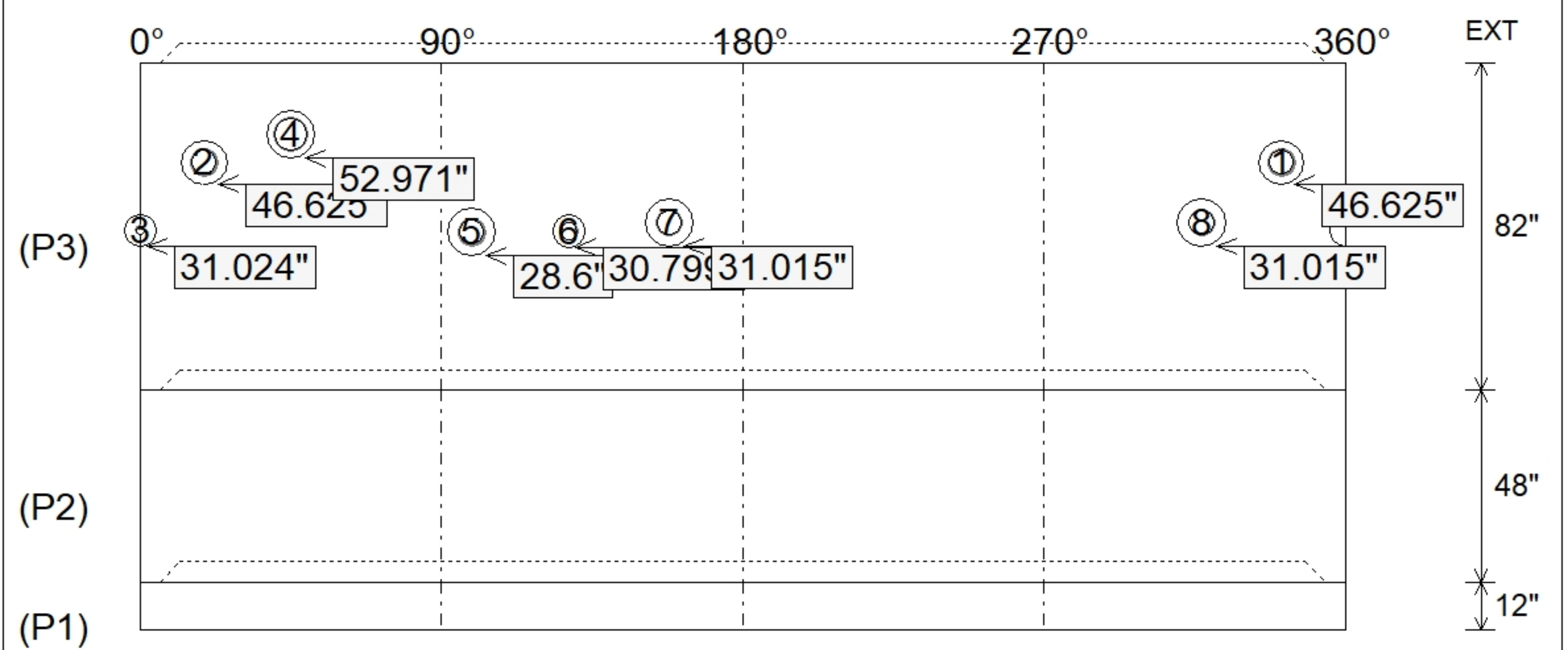
| | |
|---|-----------------|
| P5) 36" x 54" - CASTING HEIGHT - 0" | 0 lb |
| P4) 96" - MH FLAT TOP w/36"x54" Hatch w/Xypex - 17" | 9188 lb |
| P3) 96" - MH RISER Custom Ht, w/XYPEX - 82" | 19865 lb |
| P2) 96" - MH RISER w/XYPEX - 48" | 11958 lb |
| P1) 96" - MH SEPARATE BASE-T EXT. 14" (142" OD) w/Xypex - 12" | 20303 lb |
| 3) 96" - Conseal CS-231 1.00" (Double) | 0 lb |
| 1) 36" x 54" - Conseal CS-231 1.00" (Double) | 0 lb |
| 2) Z-Lok - C107-6 | 2 lb |
| 2) PSX - 8QRS-S NYLO | 13 lb |
| 1) PSX - 12-08 NYLO | 8 lb |
| 3) PSX - 12-06 NYLO | 24 lb |
| Structure Total: | 61361 lb |



| Position | Elev | Angle | Pipe | Pipe OD | Hole | Connector | Up (") | Ref |
|----------|---------|-------|--------------|---------|--------|-----------------|---------|-----|
| Rim | 522.5' | | | | | | | |
| Reducer | | | | | | | | |
| Invert 1 | 518.75' | 0° | 6" DI | 6.875" | 10.75" | Z-Lok C107-6 | 46.625" | P3 |
| Invert 2 | 518.75' | 0° | 6" DI | 6.875" | 10.75" | Z-Lok C107-6 | 46.625" | P3 |
| Invert 3 | 517.5' | 0° | 2" PVC SCH40 | 2.375" | 8" | PSX 8QRS-S NYLO | 31.024" | P3 |
| Invert 4 | 519.25' | 45° | 8" PVC SCH40 | 8.625" | 12" | PSX 12-08 NYLO | 52.971" | P3 |
| Invert 5 | 517.3' | 99° | 6" DI | 6.875" | 12" | PSX 12-06 NYLO | 28.6" | P3 |
| Invert 6 | 517.4' | 128° | 4" PVC SCH40 | 4.5" | 8" | PSX 8QRS-S NYLO | 30.799" | P3 |
| Invert 7 | 517.5' | 158° | 6" PVC SCH40 | 6.625" | 12" | PSX 12-06 NYLO | 31.015" | P3 |
| Invert 8 | 517.5' | 317° | 6" PVC SCH40 | 6.625" | 12" | PSX 12-06 NYLO | 31.015" | P3 |



Default - Interior Dimensions



Submittal Drawing
 3/20/2026 10:27:42 AM

SUBMITTAL
 APPROVED BY: