

**Job Name: 24-3406D Southeast Municipal Complex**  
**Job Location: Franklin, TN**  
**Contractor: Hayes Pipe Supply**

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



Structure ID: **CB-054A (SGL AD) D-CB-42RB**

Spec: TDOT  
 Type: CB TYPE 42RB  
 Size: 60"

Rim: 641.5'  
 Invert: 633.86'  
 Rim to Invert: 7.64'

Sump: 4"  
 Floor (Top): 633.527'  
 Floor Height: 8"

Floor (Bot): 632.86'  
 Overall Height: 8.333'  
 Slack: 3.68"

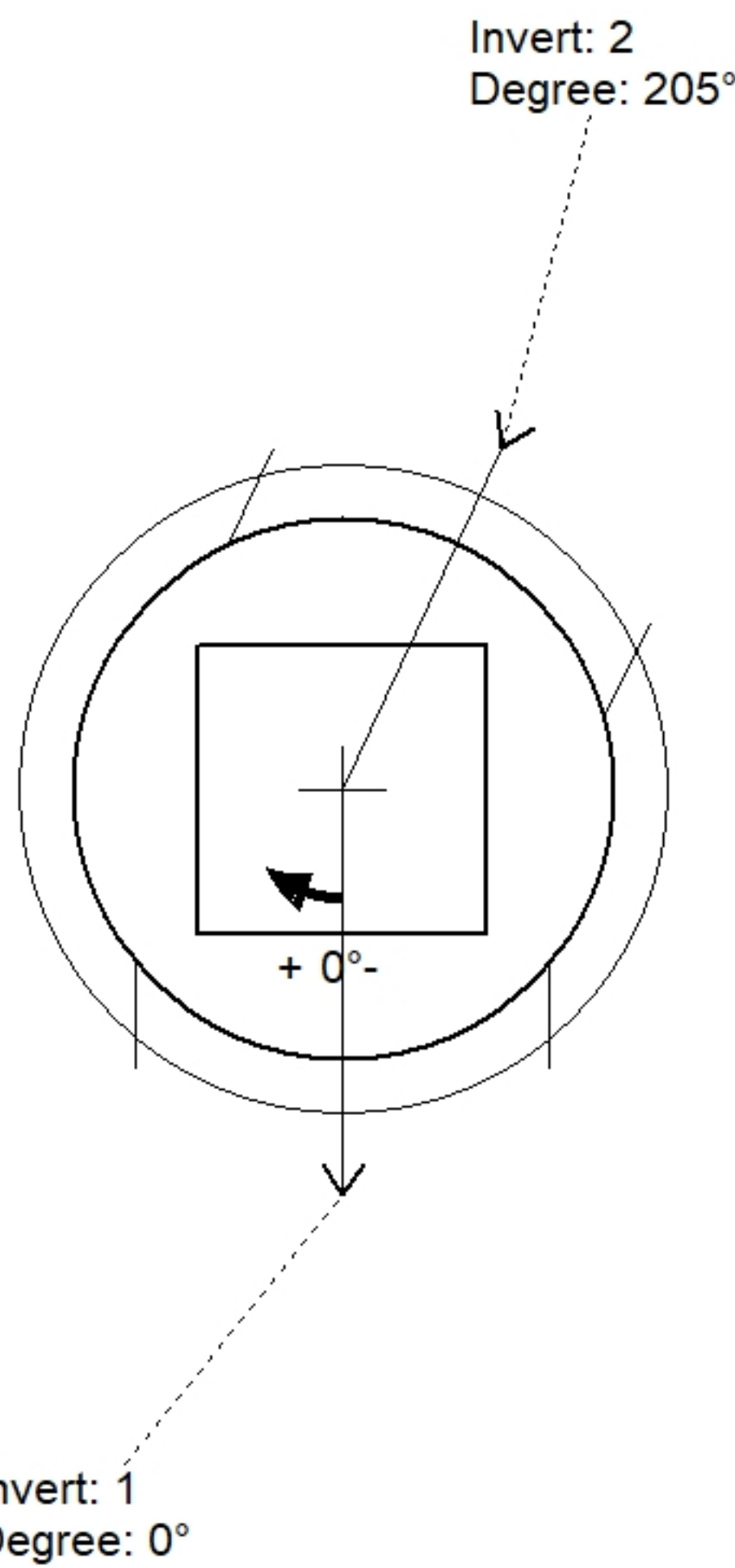
**Structure Notes:**

- PER TDOT D-CB-42RB / ASTM C478 SPEC'S.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- NO INVERT CHANNEL.
- CASTING BY OTHERS (TNDOT TYPE 42RB - JBS 4200 GRATE).
- 2" WD x 2" DEEP GRATE SEAT/RECESS IN STEPPED TOP SLAB.

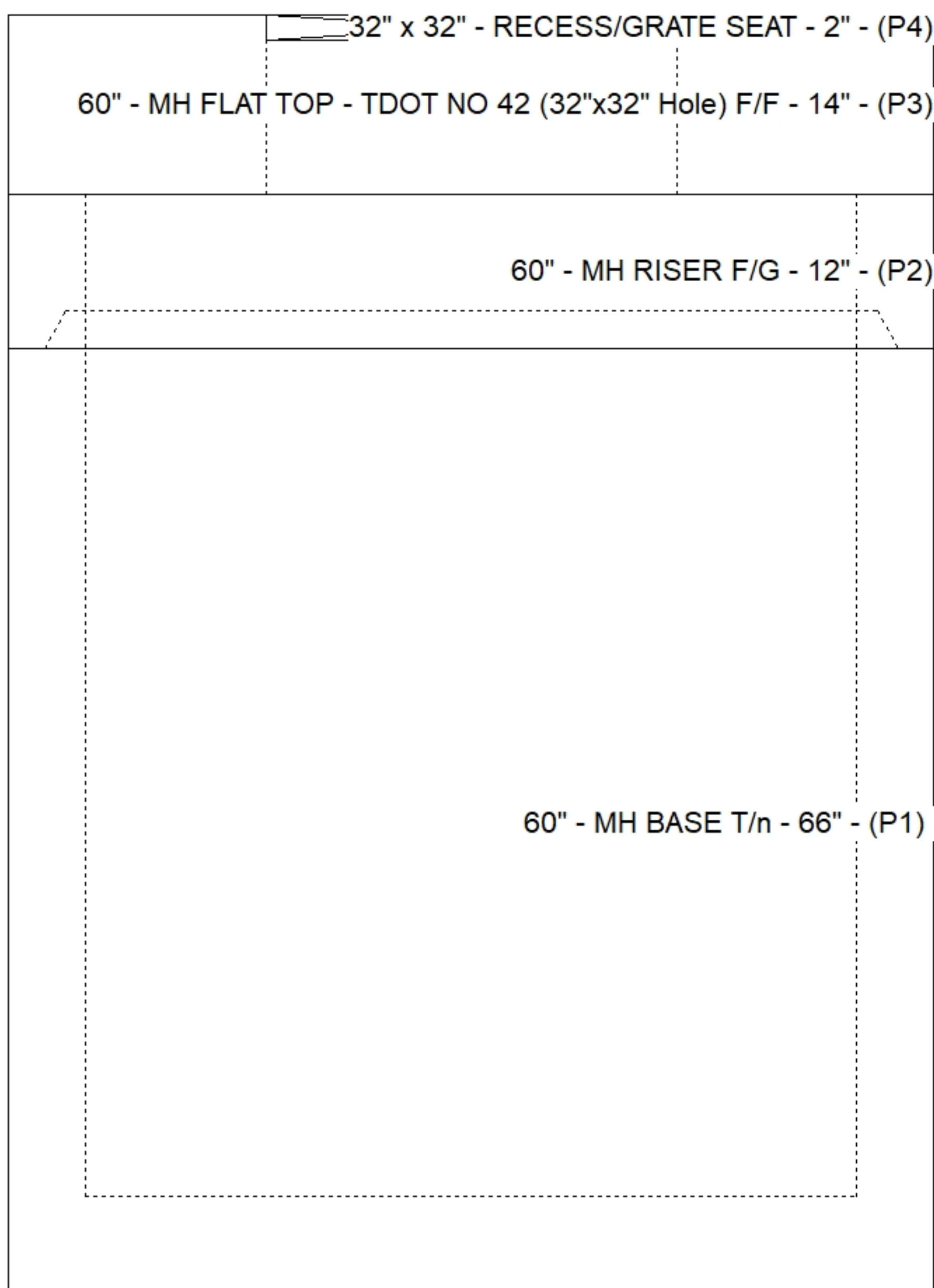
REINFORCING PER ASTM A615 (GRADE 60).  
 \*\* PER TDOT STD DRAWING D-CB-42RB \*\*  
 - TOP SLAB - DBL MAT #5 BARS.  
 - RISER (As .18)  
 - FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

**STRUCTURE SUMMARY:**

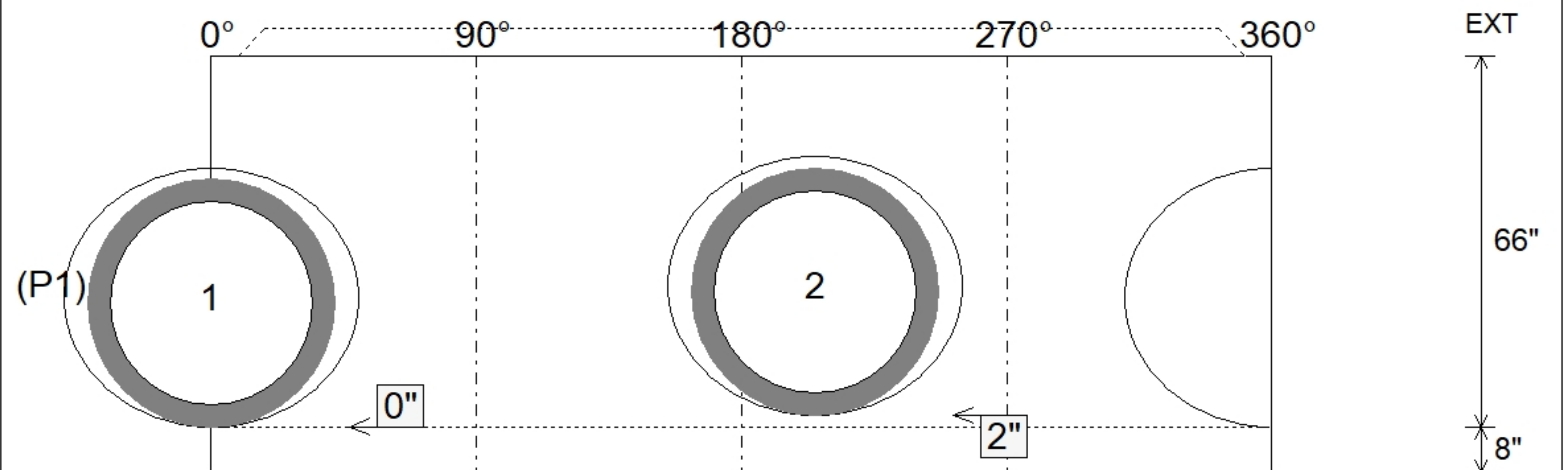
P4) 32" x 32" - RECESS/GRATE SEAT - 2"	0 lb
P3) 60" - MH FLAT TOP - TDOT NO 42 (32"x32" Hole) F/F - 14"	3629 lb
P2) 60" - MH RISER F/G - 12"	1253 lb
P1) 60" - MH BASE T/n - 66"	7762 lb
2) 60" - SGL 1"x14.5' Butyl (2x)	0 lb
2) Hole - 46	0 lb
<b>Structure Total:</b>	<b>12644 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ( )	Ref
Rim	641.5'							
Reducer								
Invert 1	633.86'	0°	36" RCP B WALL	44"	46"	Hole 46	0"	P1
Invert 2	634.03'	205°	36" RCP B WALL	44"	46"	Hole 46	2"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



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



Submittal Drawing  
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SUBMITTAL  
 APPROVED BY: