

**Job Name: 25-0226 MS 161kv SWITCHING STATION**

**Job Location: Columbus, MS**

**Contractor: TVA**

PC: A. Chambers

TECH: J. Horsley - F

Plant: 100

Structure ID: **CB 2**

Spec: Storm

Type: STM.MH

Size: 48"

Rim: 351.15'

Invert: 345.57'

Rim to Invert: 5.58'

Sump: 2.55"

Floor (Top): 345.358'

Floor Height: 6"

Floor (Bot): 344.858'

Overall Height: 6.25'

Slack: 0.51"

**Structure Notes:**

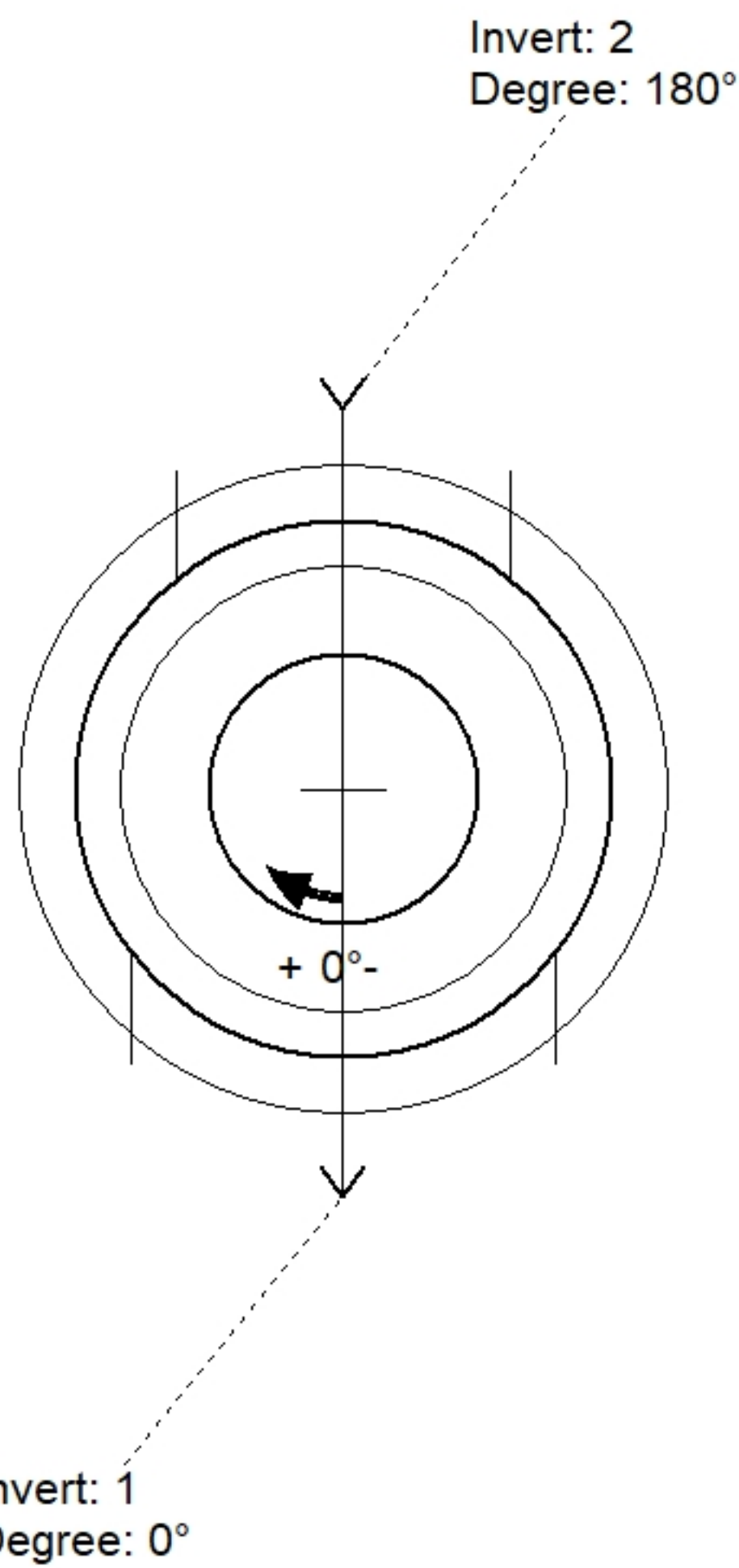
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY I-CAST (EJ 6488 BEEHIVE GRATE)

REINFORCING PER ASTM A615 (GRADE 60).

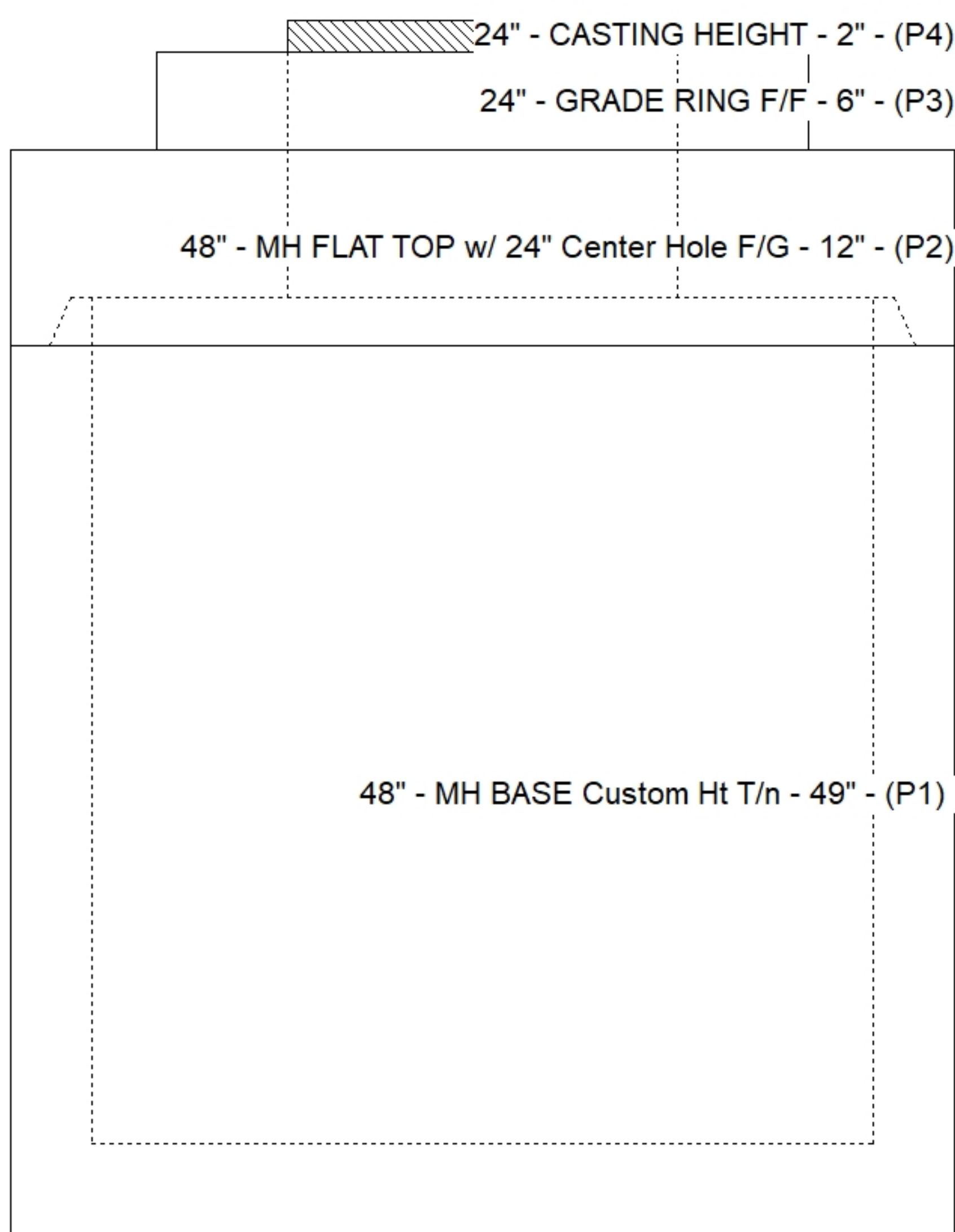
- TOP SLAB H20 LOADING.
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

**STRUCTURE SUMMARY:**

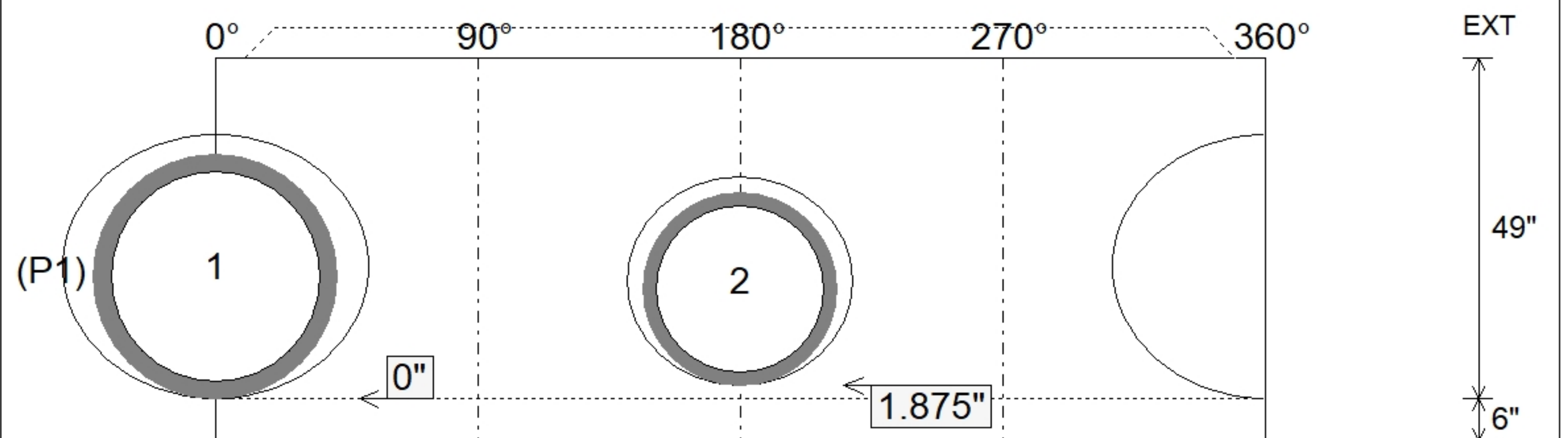
P4) 24" - CASTING HEIGHT - 2"	0 lb
P3) 24" - GRADE RING F/F - 6"	405 lb
P2) 48" - MH FLAT TOP w/ 24" Center Hole F/G - 12"	1700 lb
P1) 48" - MH BASE Custom Ht T/n - 49"	3903 lb
1) CASTING - EJ 6488 Beehive Grate	250 lb
1) 48" - Conseal CS-102 1.00"	0 lb
1) Hole - 38	0 lb
1) Hole - 30	0 lb
<b>Structure Total:</b>	<b>6258 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (L)	Ref
Rim	351.15'							
Reducer								
Invert 1	345.57'	0°	30" HDPE	35.1"	38"	Hole 38	0"	P1
Invert 2	345.67'	180°	24" HDPE	27.8"	30"	Hole 30	1.875"	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: