

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 4**
 Spec: Storm
 Type: STM.MH
 Size: 48"

Rim: 351'
 Invert: 345.35'
 Rim to Invert: 5.65'

Sump: 2.55"
 Floor (Top): 345.138'
 Floor Height: 6"

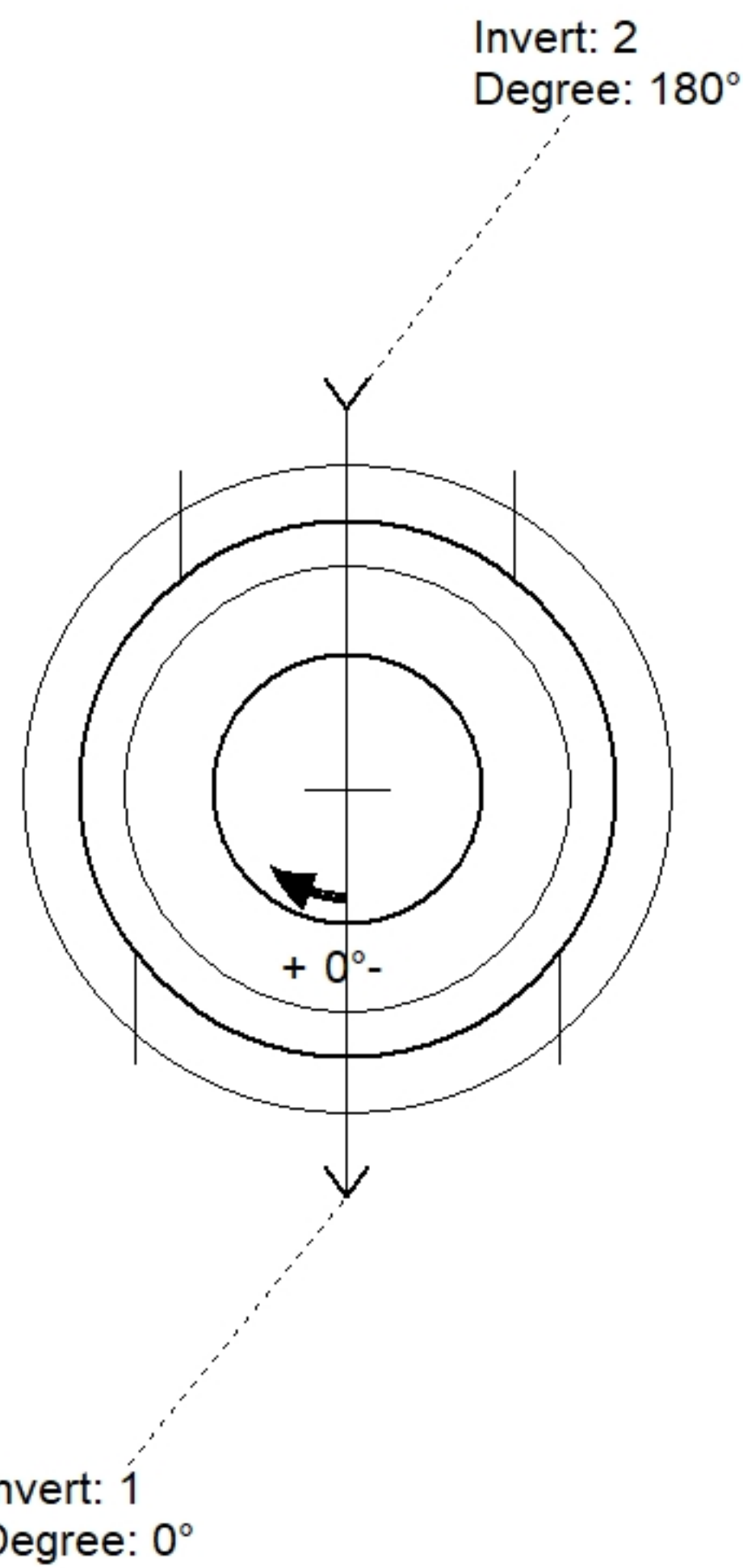
Floor (Bot): 344.638'
 Overall Height: 6.333'
 Slack: 0.35"

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)

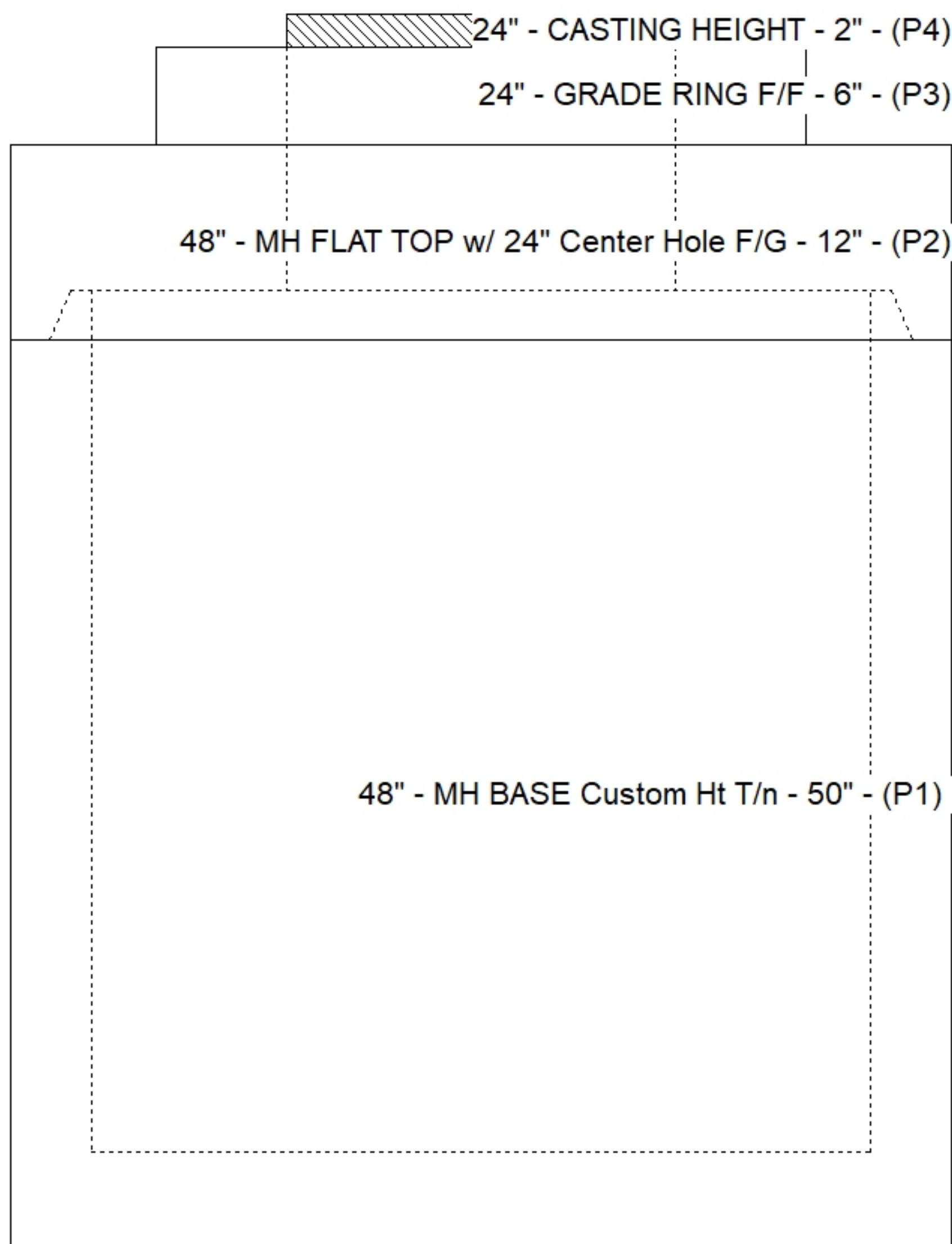
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB H20 LOADING.
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

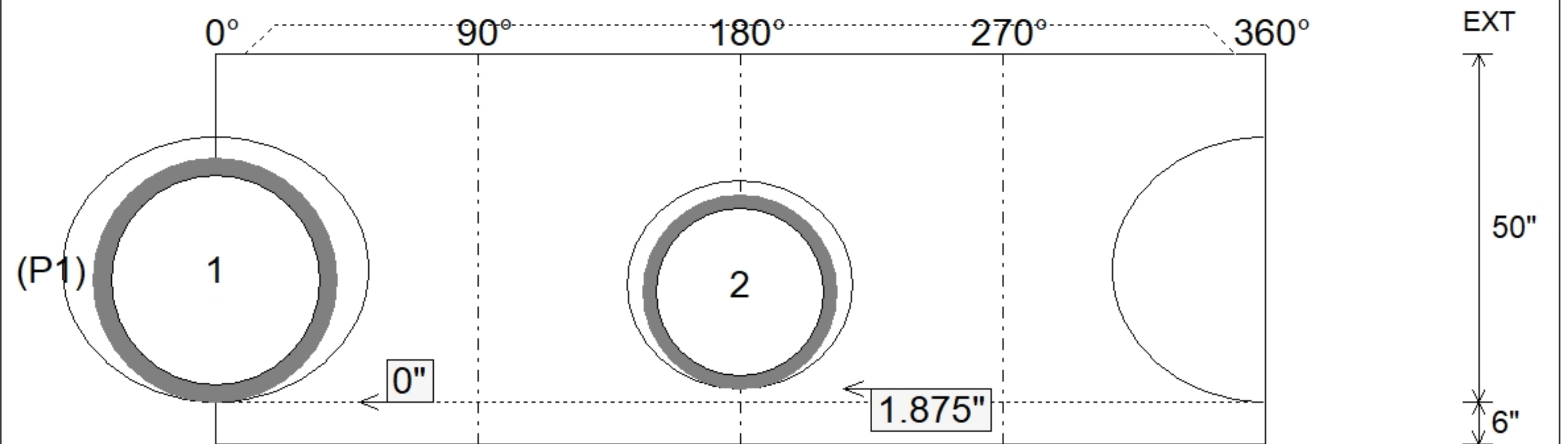
P4) 24" - CASTING HEIGHT - 2"	0 lb
P3) 24" - GRADE RING F/F - 6"	405 lb
P2) 48" - MH FLAT TOP w/ 24" Center Hole F/G - 12"	1700 lb
P1) 48" - MH BASE Custom Ht T/n - 50"	3973 lb
1) CASTING - EJ 6488 Beehive Grate	250 lb
1) 48" - Conseal CS-102 1.00"	0 lb
1) Hole - 38	0 lb
1) Hole - 30	0 lb
Structure Total:	6328 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	351'							
Reducer								
Invert 1	345.35'	0°	30" HDPE	35.1"	38"	Hole 38	0"	P1
Invert 2	345.45'	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
 11/3/2025 5:02:13 PM

SUBMITTAL
 APPROVED BY: