

Contractor: The Allen Company, Inc.

Plant: Beaver Dam



Type: SAN.MH w/Ext. Drop/ConBlock-CDA Red
Size: 48"

Rim: 951.95'
Invert: 939.56'
Rim to Invert: 12.39'

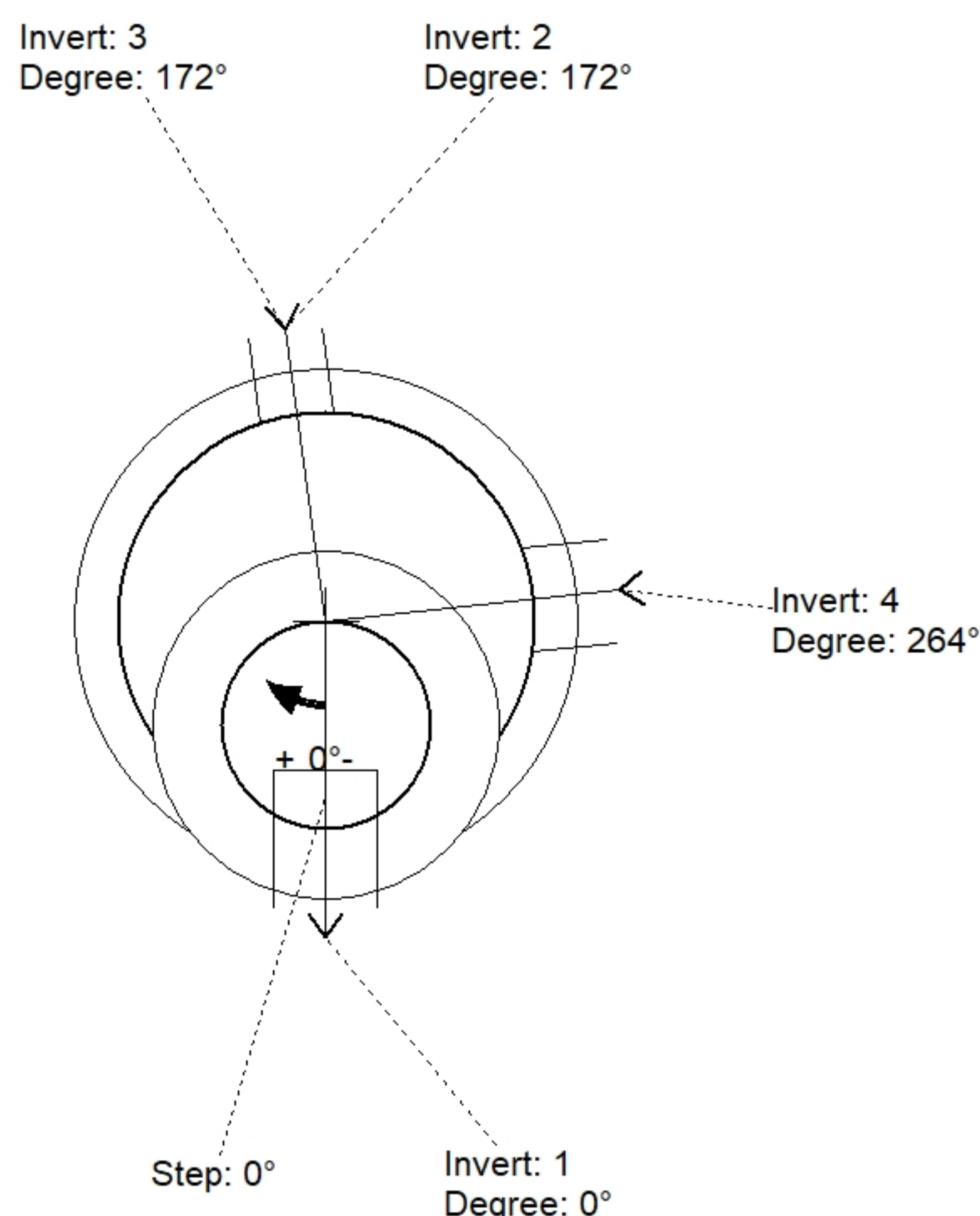
Sump: 2"
Floor (Top): 939.393'
Floor Height: 6"

Floor (Bot): 938.893'
Overall Height: 12.917'
Slack: 1.68"

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
4. CASTING BY OTHERS
5. ADMIXTURE = CONBLOCK-CDA RED

P5) 24" - CASTING HEIGHT - 7"	0 lb
P4) 24" - GRADE RING w/ConBlock-CDA Red - 4"	270 lb
P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red - 30"	1961 lb
P2) 48" - MH RISER w/DROP/ConBlock-CDA Red - 72"	5006 lb
P1) 48" - MH BASE w/DROP/ConBlock-CDA Red - 36"	3725 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) CASTING - HOE MC-315 F/C Sanitary	258 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
1) Drop Tee - 8" PVC	0 lb
1) Drop Elbow - 8" PVC	0 lb
12) MH Step ML-10-TDS-NCR - 10"	0 lb

Structure Total:	12677 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (')	Ref
Rim	951.95'							
Reducer								
Invert 1	939.56'	0°	8" PVC SDR35	8.5"	12"	PSX 12-08 NYLO	0"	P1
Invert 2	946.95'	172°	8" PVC SDR35	8.5"	8.5"	Drop Tee 8" PVC	50.18"	P2
Invert 3	939.66'	172°	8" PVC SDR35	8.5"	8.5"	Drop Elbow 8" PVC	2.95"	P1
Invert 4	939.66'	264°	8" PVC SDR35	8.5"	12"	PSX 12-08 NYLO	1.2"	P1
Invert 5								
Invert 6								
Invert 7								
Invert 8								

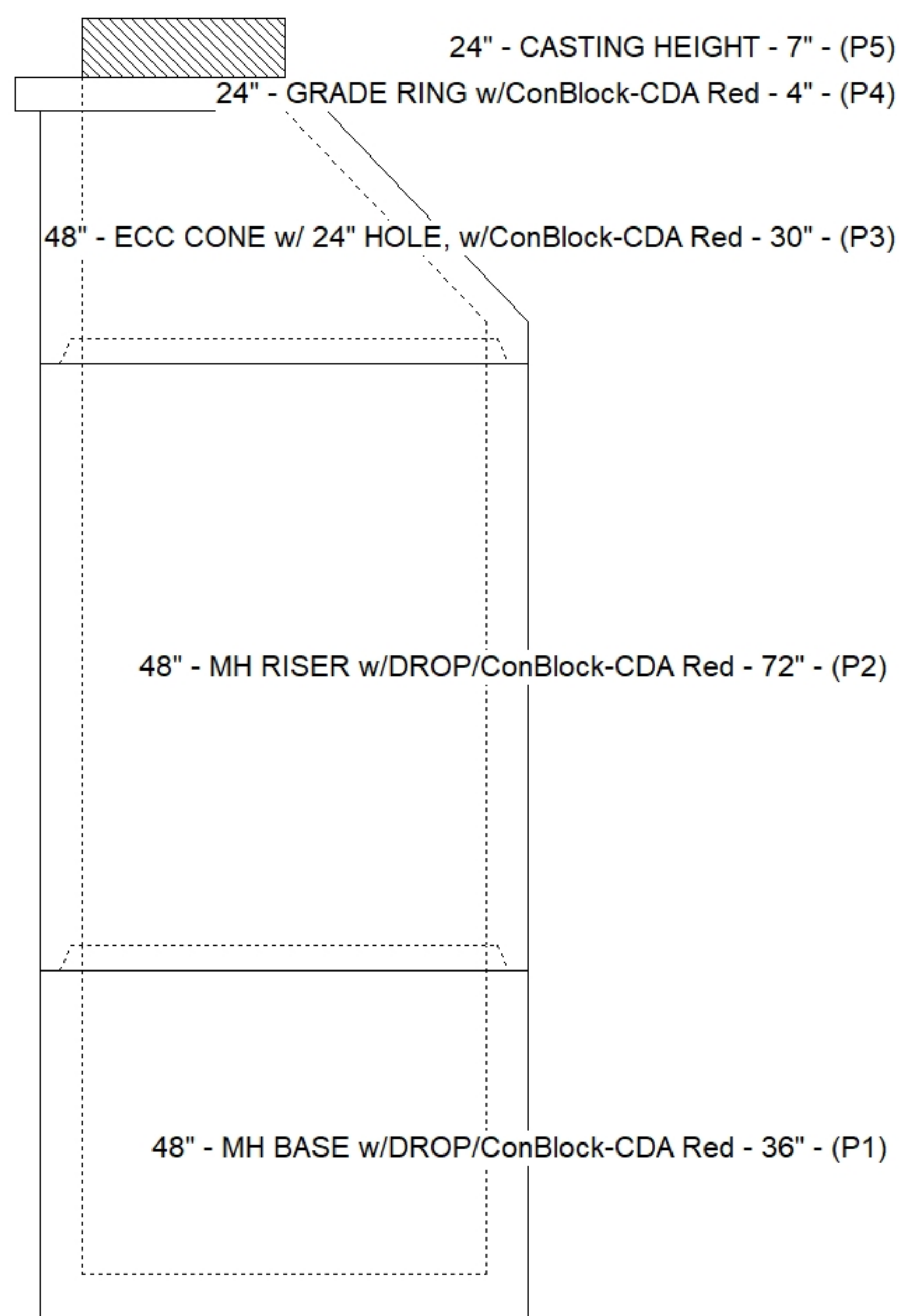


Figure 1: Schematic diagram of the experimental setup. The diagram shows a rectangular area divided into two horizontal sections. The top section is labeled (P2) and the bottom section is labeled (P1). The top section has a height of 72 inches and the bottom section has a height of 36 inches. The total height is 108 inches. The width is 36 inches. The diagram shows four numbered points (1, 2, 3, 4) and their distances from the walls. Point 1 is at the bottom left corner, 0 inches from the left wall. Point 2 is at the top center, 50.18 inches from the right wall. Point 3 is at the bottom center, 2.95 inches from the right wall. Point 4 is at the bottom right corner, 1.2 inches from the right wall. The diagram also shows a 0-degree angle at the top left corner and a 360-degree angle at the top right corner. The diagram is labeled 'EXT' at the top right corner.

Submittal Drawing
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SUBMITTAL
APPROVED BY: