

Contractor: The Allen Company, Inc.

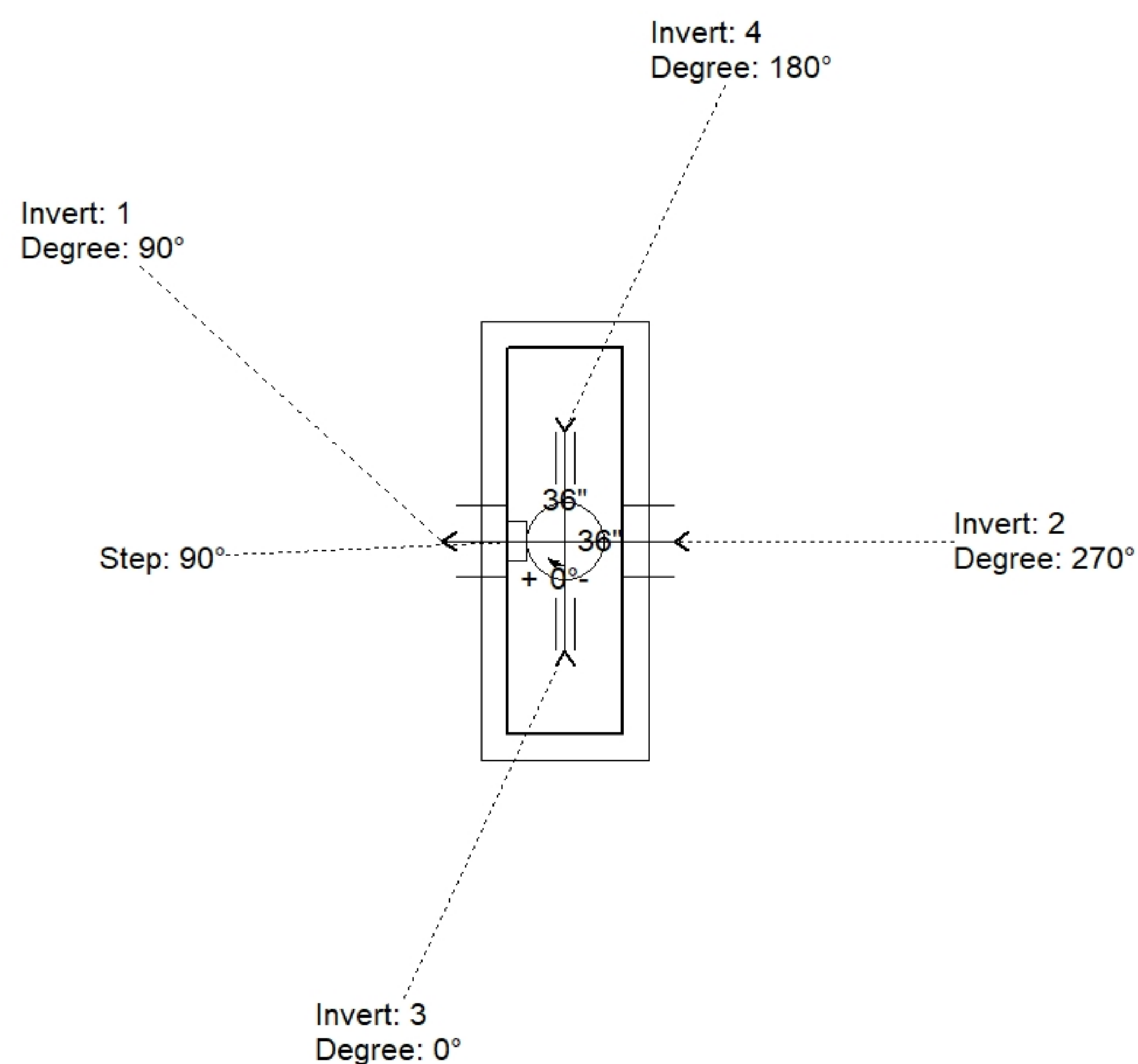
Plant: Beaver Dam



Slack: 5.88"

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP PHASE TOP - #5 BARS AT 6" C.C.E.W.
 - TOP PHASE BTM - #5 BARS AT 12" C.C.E.W.
 - TOP SLAB - #5 BARS AT 12" C.C.E.W..
 - RISER/WALLS - #5 BARS AT 12" C.C.E.W.
 - FLOOR - #5 BARS AT 12" C.C.E.W.
4. HOE KY-206 F/C CASTING PROVIDED BY ICAST

Structure Total: 17747 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (')	Ref
Rim	955.36'							
Reducer								
Invert 1	945.37'	90°	15" RCP B WALL	19.5"	22"	Hole 22	-3.5"	P1
Invert 2	950.25'	270°	15" RCP B WALL	19.5"	22"	Hole 22	11.06"	P2
Invert 3	951.65'	0°	4" HDPE	4.8"	6"	Hole 6	30.36"	P2
Invert 4	951.65'	180°	4" HDPE	4.8"	6"	Hole 6	30.36"	P2
Invert 5								
Invert 6								
Invert 7								
Invert 8								

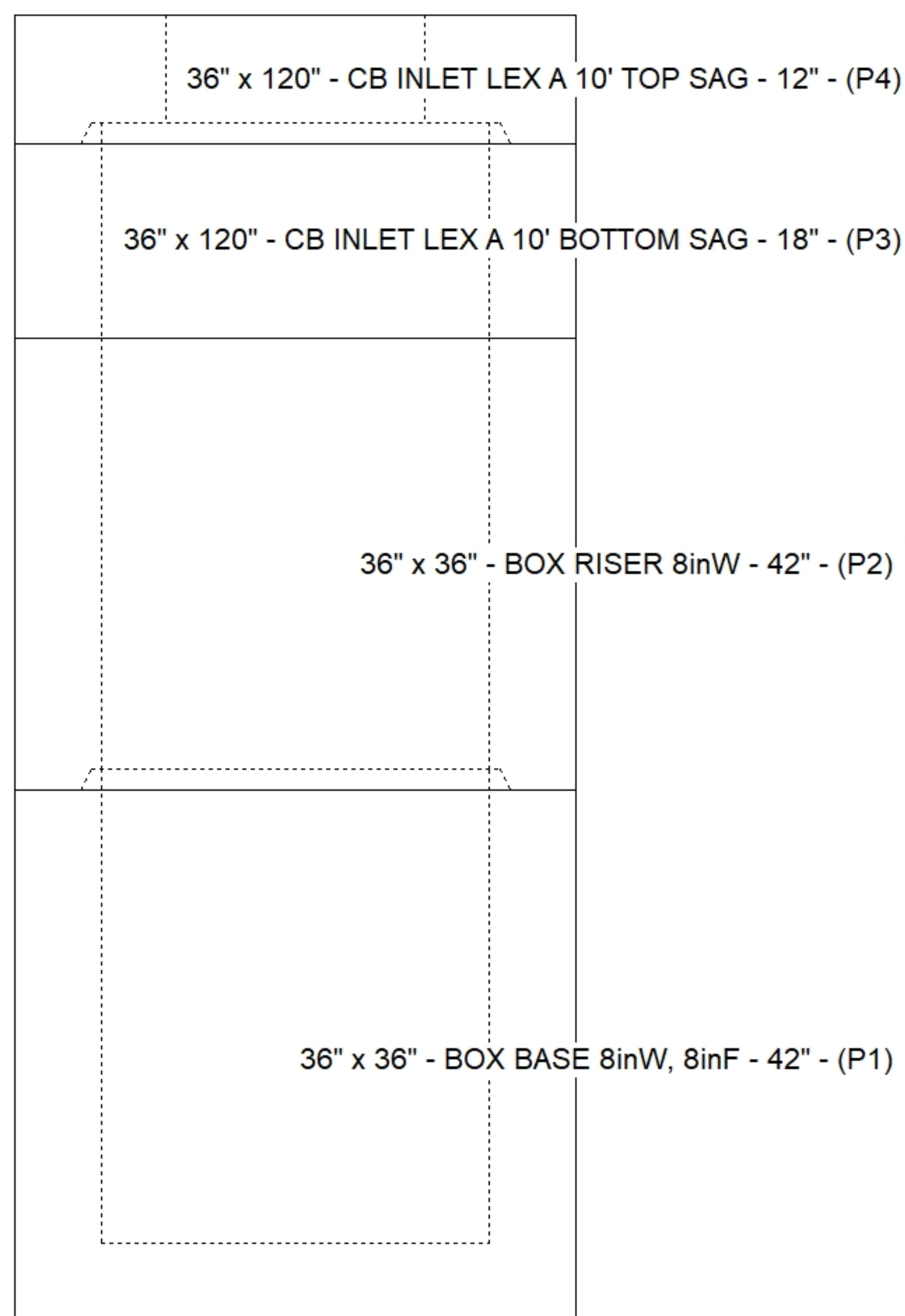


Figure 1: Schematic diagram of the experimental setup. The diagram shows a top-down view of a rectangular arena divided into four quadrants: Front, Right, Back, and Left. The arena is further divided into three horizontal sections: (P2) at the top, (P1) in the middle, and an 8-inch section at the bottom. The (P2) section is 42 inches high, and the (P1) section is 42 inches high. The 8-inch section is at the bottom. The (P2) section contains four circular targets labeled 1, 2, 3, and 4. Target 1 is in the Front quadrant, Target 2 is in the Back quadrant, Target 3 is in the Left quadrant, and Target 4 is in the Right quadrant. The distance from the center of the arena to each target is 30.36 inches. The distance between the center of the arena and the targets in the (P1) section is 11.06 inches. The distance between the center of the arena and the targets in the 8-inch section is 3.5 inches.

SUBMITTAL
APPROVED BY: