

FIND THE RADIUS OF A CURVED RAIL

To find the Radius for a curved rail:

- **Step 1:** Starting at the last post in the straight run (point A), lay cloth tape along the path that the curved guide rail will follow.
- **Step 2:** Mark-off two points along the curved cloth tape: one at 6'-3", (point B) and the second at 12'-6" (point C).
- **Step 3:** Pull string directly from starting point (point A) to the second mark-off point (point C).
- **Step 4:** Measure from the first marked-off point (point B) over to the mid-point of the taut string. this measurement (D) is the rise or "middle ordinate."
- **Step 5:** Check the chart to find the Radius (R), given the Rise (D).

Example: A Rise of 3 7/8" inches would result in a radius of 60 feet.

Radii	Rise
5	3'-5"
10	1'-10 3/4"
15	1'-3 3/8"
20	11 5/8"
25	9 3/8"
30	7 3/4"
35	6 5/8"
40	5 7/8"
45	5 1/4"
50	4 5/8"
55	4 1/4"
60	3 7/8"
70	3 3/8"
80	3"
90	2 5/8"
100	2 3/8"

