RADIUS RAIL INFORMATION

Rail sections specified to be installed on curves having a radius of 3 feet (1.5 m) to 150 feet (45.7 m) can be curved in our fabrication facilities prior to delivery.

Rail can be curved either convex or concave as required. Terms convex or concave refer to the direction curved, outward or inward, relative to the traffic face of the rail.

The diagrams & chart provide data for locating posts and curves. For assistance, please contact our Sales Office.

STEP 1: Starting at the last point in the straight run (point A), lay cloth tape along the path that the curved quadrant will follow.

STEP 2: Mark off two points along the curved cloth tape: one at a 90° or 180° or point B and the second at 12° or 24° or 36° or 48° or 60° or 72° or 84° or 96° or 108° or 120° or 132° or 144° or 156°.

STEP 3: Pull string directly from starting point (point A) to the second mark-off point (point B).

STEP 4: Measure from the first mark-off point (point B) over to the mid-point of the last string. This measurement C is the rail.

STEP 5: Check the chart to find the Radius (B) given the Rail C.

Example: a rail of 4 inches (102 mm) would result in a radius of 93 feet (28.3 m).

Note: Follow the steps for each piece of rail section in the curved run. The rail may not be continuous and each consecutive piece of rail may differ in radius from the previous one. Please consult with your individual agency by the governmental authority specifying and supervising the installation of the guardrail.

www.trinityhighway.com
1.888.356.2363

Guardrail

W-Beam & Thrie-Beam Systems

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