DRAWING A 3-CENTERED ARCH
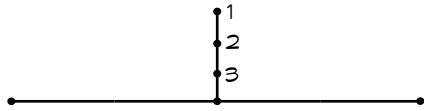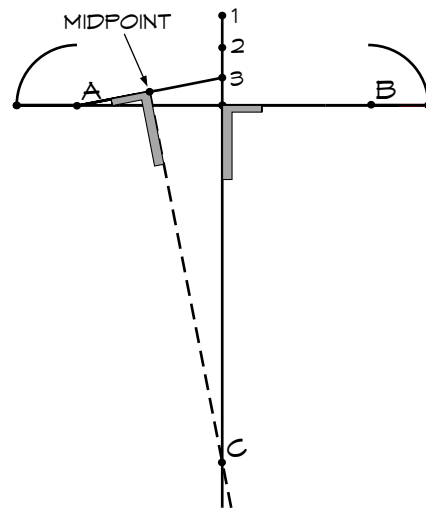# WITH A KNOWN HEIGHT AND WIDTH

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Step 1: Draw out the spring line and a perpendicular height line at the springline's midpoint. Then divide the height line into three equal segments.
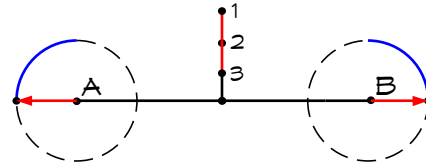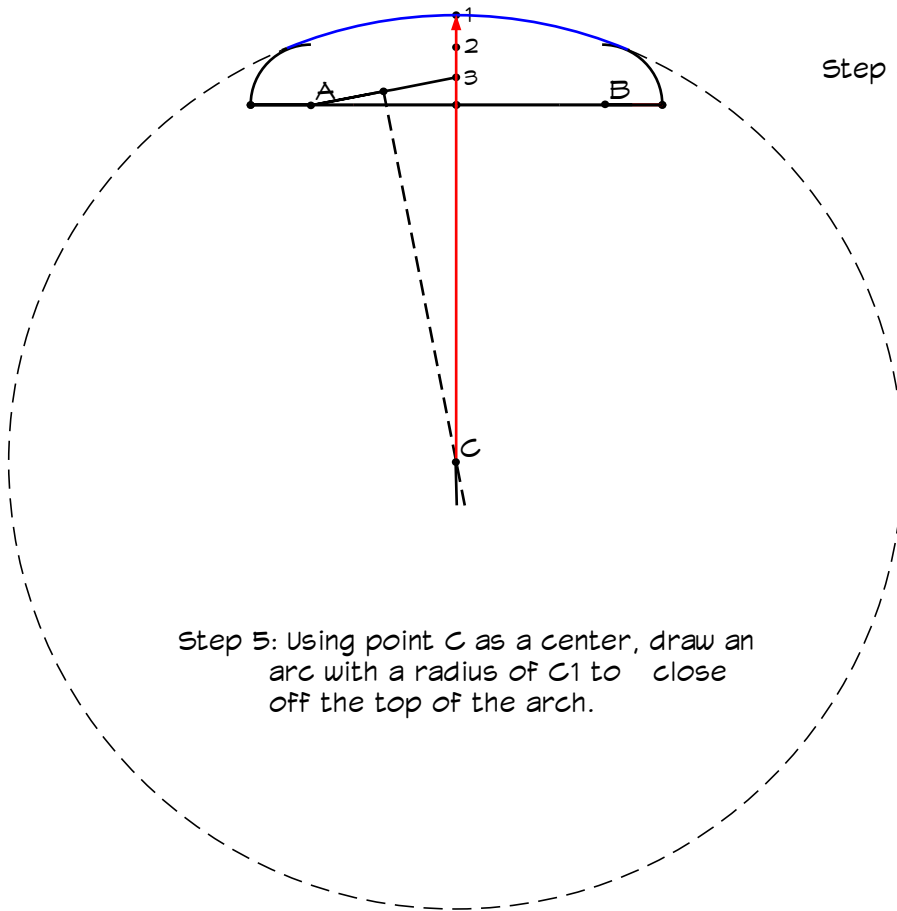
Step 2: Using the distance of 1-3, measure and mark points A and B on the spring line. Then draw quarter arcs using A and B as centers.
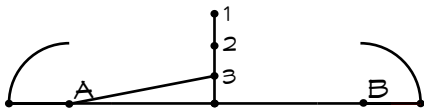
Step 3: Draw a line from point 3 to point A.

Step 4: Find point C by extending the height line below the springline and drawing a perpendicular line from the mid-point of line A3.

Step 5: Using point C as a center, draw an arc with a radius of C1 to close off the top of the arch.