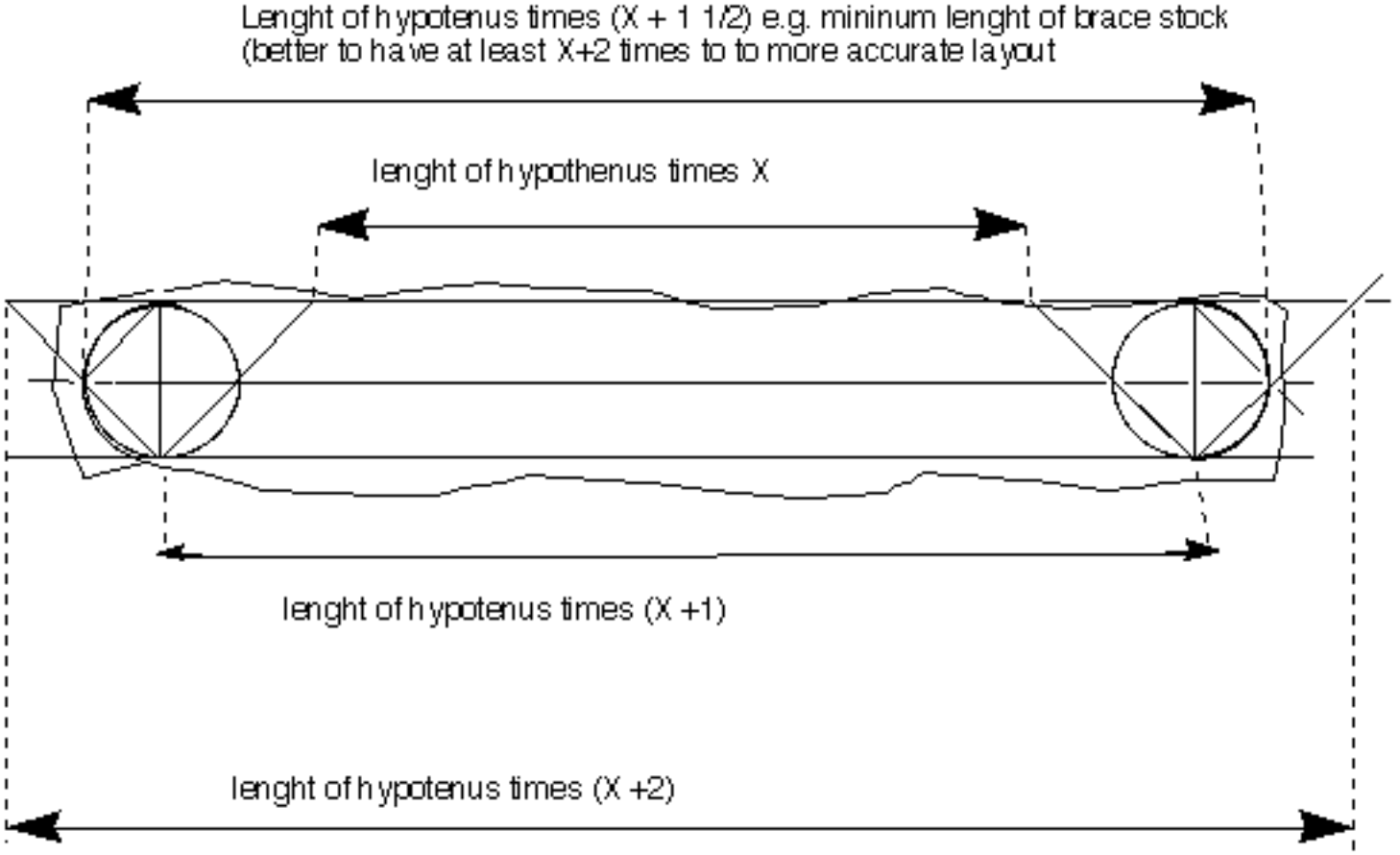

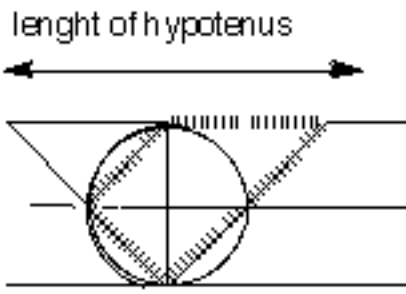

Note the tennon is scribed using the triangle and connecting it's intersections with the scribed circle

The true "depth" of the brace = the dia of the scribed circle from the centerline of the brace.

Locations of mortices will be multiples of the sides of the above triangle from the intersections of the "true beams" being joined. Namely, the side lenght times X is the start of the mortise and the side lenght times (X + 1) the end

Also, the usual geometric "tricks" are used to layout/scribe the 90 degree and 45 degree angles from the original circle/centerlines