

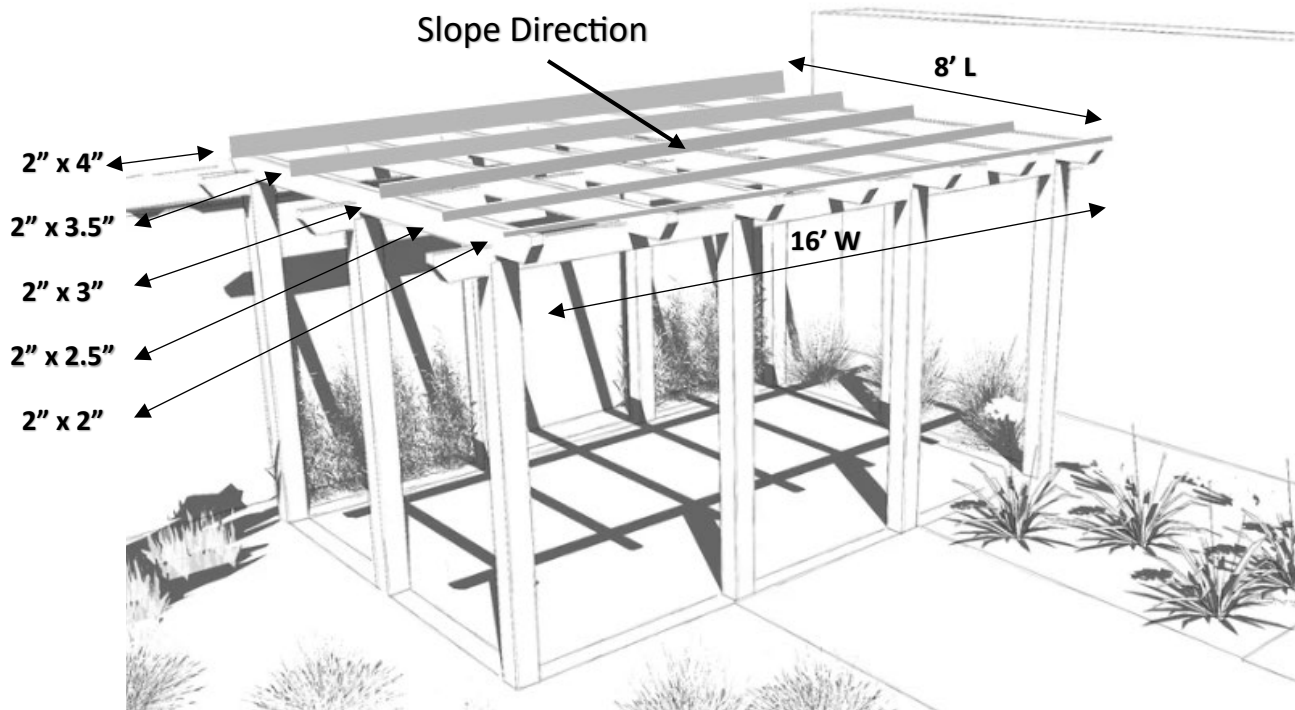
How To Cut Shims: Hercules System



How do lateral shims work? Like shade slats/purlins, lateral shims will run perpendicular to your rafters to add the desired slope required per the system of choosing by decreasing in height.

The lateral shims can go on top of your current shade slats (if in good condition) or can replace your shade slats. Lateral shims are typically spaced every 24"-30" apart.

Below is an example of an 8' L x 16' W pergola with lateral shims every 24" apart.



How to calculate how many lateral shims you'll need?

(LENGTH OF STRUCTURE / DIVIDED BY 2) PLUS 1

For example you would calculate the 8' L x 16' W structure above like:

$$(8 / 2) = 4 \quad 4 + 1 = \underline{5 \text{ lateral shims}}$$

REMEMBER The HERCULES system requires a **minimum slope of .25" per 12"** to be watertight.

REMEMBER The APOLLO system requires a **minimum slope of .5" per 12"** for warranty.