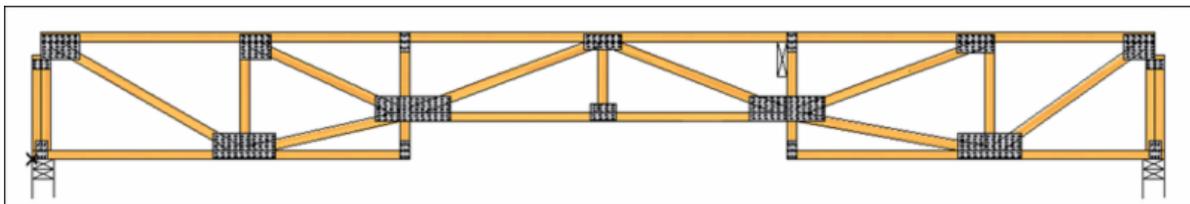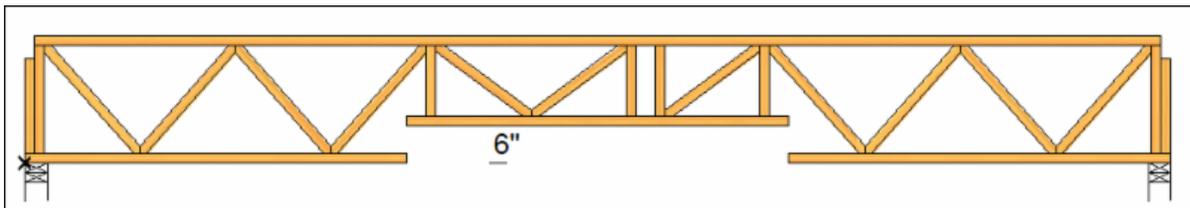# Floor Truss Webbing - K-Webs

The need to create special profiles in floor trusses is increasing among truss designers. This type of condition was traditionally accomplished by stacking a chord member. While affective, stacking members limits the finished step to be in 1 - ½" increments. iDesign has recently added additional tools to provide a better solution.
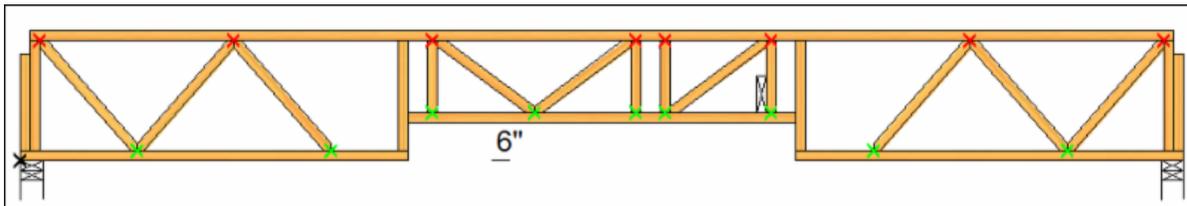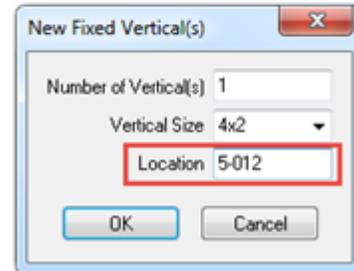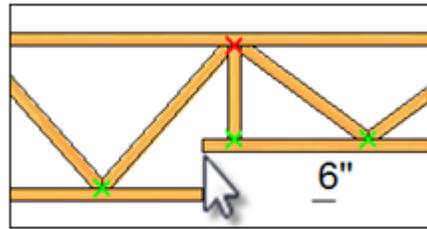

T o begin, the chord member needs to be moved into the correct position. This can be accomplished either with the Move Piece tool in iDesign or Recalc Truss in iModel.

Next, we add vertical webs to both ends of the raised chord section. This should be done using the Add Condition tool from the webbing toolbar of iDesign. Adding a web condition enables you to edit each area of the truss as an independent web zone.

1. Select Add Condition from the webbing toolbar.

2. Select the end of the raised chord member as the vertical location.

3. Set the number of desired verticals and adjust the location ¾" to correctly locate the center of the vertical web condition.
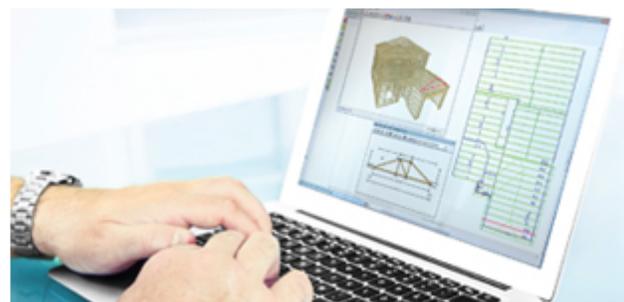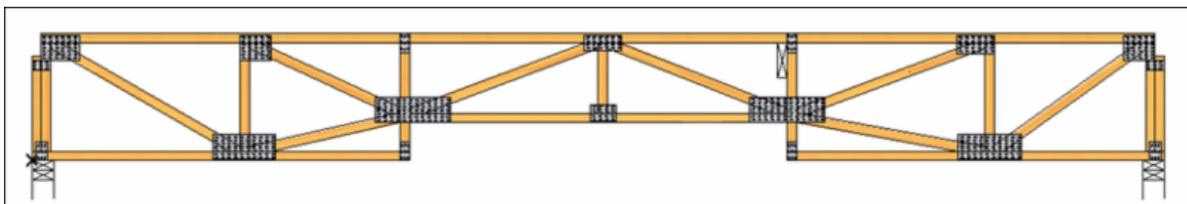
Tip: Enter "-" or "+" preceding 012 after the dimension displayed in the Location to quickly modify dimension.

After adding the verticals, the webbing can easily be configured using the Edit Web Zone or other webbing tools. These webbing tools will help you to apply the k-webs to the truss. When adding the k-webs to this example, the lower diagonal web should be aligned with the bottom edge of the raised chord.

If the step is being created in the top chord, the upper diagonal web should be aligned with the top edge of the dropped chord member.

Aligning webs to the chord member enables the software to easily plate the joint. Depending on the member forces and angles, the default plating may be optimized using the Plate Monitor or one of the other plating tools.

Do you know a handy shortcut or have a useful tip or trick to share?
Please email us at training@alpineitw.com.

For technical assistance, please call the Alpine Help Desk at (866) 237-2878.