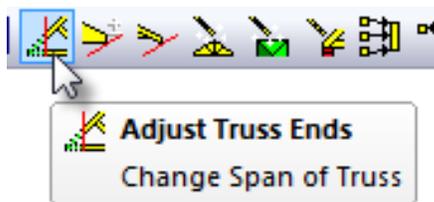## *The Advantages of 'Adjust Truss Ends'*

"Adjust Truss Ends" can be found on the Truss toolbar of iModel. It differs from "Adjust Truss Span" and "Adjust Truss Overhang" in that you are able to choose which chord member is being edited and the bevel cut. The key to using this tool is understanding the popup dialog.

"Adjust Truss Span" is used to extend or trim only the truss span. This tool adjusts both the top and bottom chords at the same time. You have the choice of adjusting one or both ends of the truss by following the prompt located in the lower left-hand corner of your screen.

"Adjust Truss Overhang" is used to modify the length of the truss' overhang. This changes only the top chord at the heel of the truss. Like "Adjust Truss Span," you have the choice of modifying one overhang or both by following the onscreen instructions provided in the prompt area.

"Adjust Truss Ends" can be used to perform these tasks, as well as modify the bevel cut. The key to gaining productivity using this tool is understanding the options available on the popup dialog activated when the right mouse button (RMB) is selected.

The RMB popup contains the usual selection of zoom and redraw options. In addition, there are options to control which chord member is to be edited and what type of bevel cut will be applied.

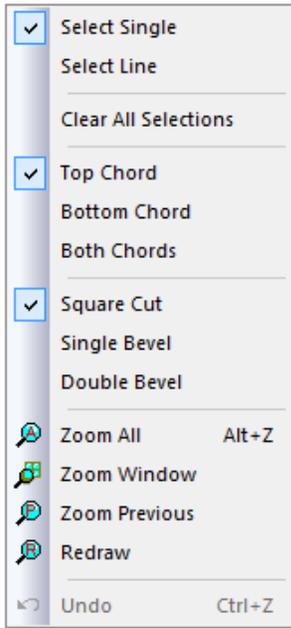**<u>Select the Chord Member to Edit</u>**
Top Chord - Edit top chord members only
Bottom Chord - Edit bottom chord members only
Both Chords - Edit both top and bottom chords at the same time

<u>Select the Bevel Option</u>
Square Cut - No bevel is applied to the truss

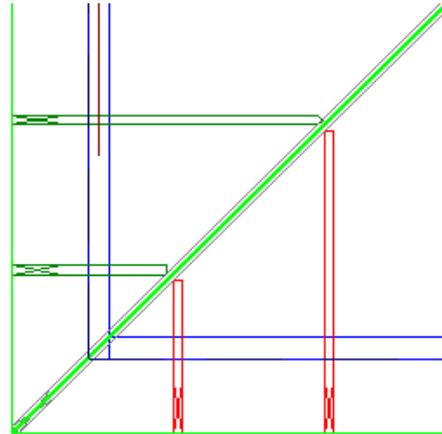|		
✓	Select Single	
	Select Line	
	Clear All Selections	
✓	Top Chord	
	Bottom Chord	
	Both Chords	
✓	Square Cut	
	Single Bevel	
	Double Bevel	
🔍	Zoom All	Alt+Z
🔍	Zoom Window	
🔍	Zoom Previous	
🔍	Redraw	
↶	Undo	Ctrl+Z

Single Bevel - Apply an angle cut to the end of the chord member
Double Bevel - Apply two angle cuts to the chord member end

Changing Bevels

To add or remove bevels from corner jacks:

1. Select "Adjust Truss Ends" from the truss toolbar.

2. Click your right mouse button to open the popup dialog.

3. Select which chord will be adjusted. In this example, both chords were s elected.
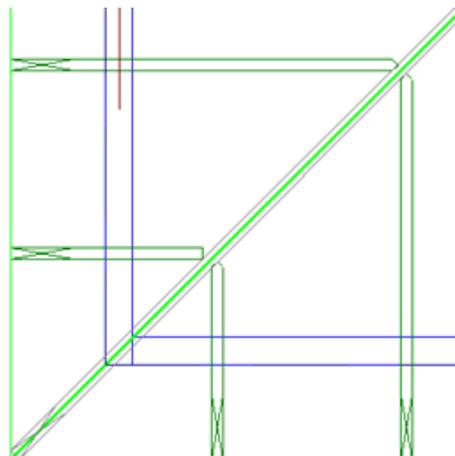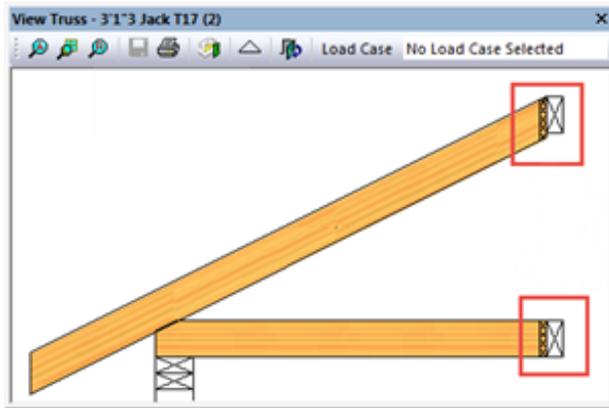
4. Right-click again to reopen the dialog in order to select the desired bevel type. This step is only necessary if you need to change both the chord selection and bevel type. If only one of the options need to be adjusted, then the popup dialog only needs to be opened once.

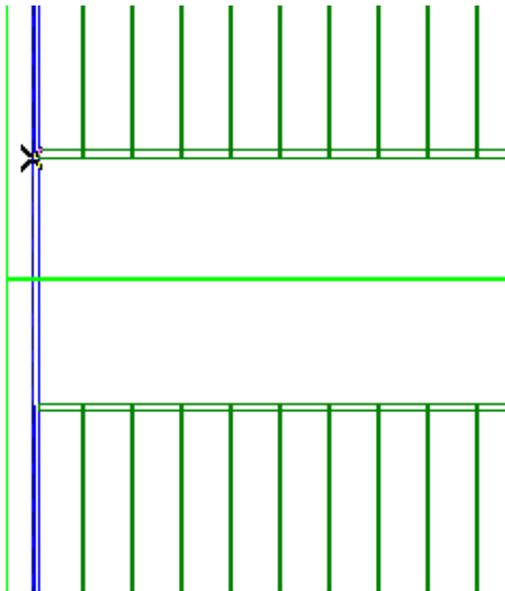5. Select the trusses to be edited and press the Enter key.

6. Select the line to adjust the trusses to. In this example, the edge of the hip jack nearest to the highlighted corner jacks was selected.

7. Press the Enter key to apply the changes to the truss es and complete the command.
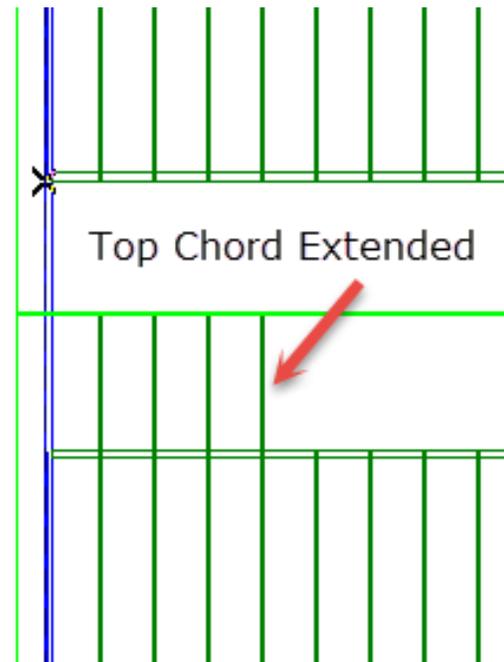
Extending Top Chords to Form a Peak

In our next example, the top chords of the mono trusses need to be extended toward the center of the building to form the peak of the structure. This is a common condition found in townhomes or hotels where the corridor has a raised ceiling.
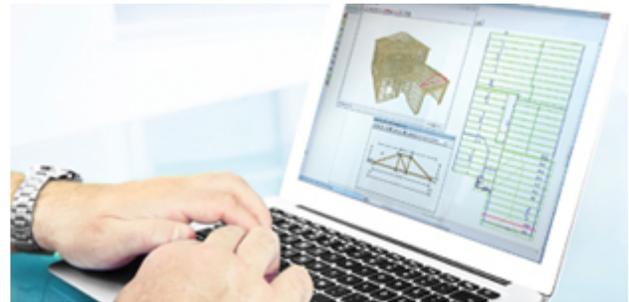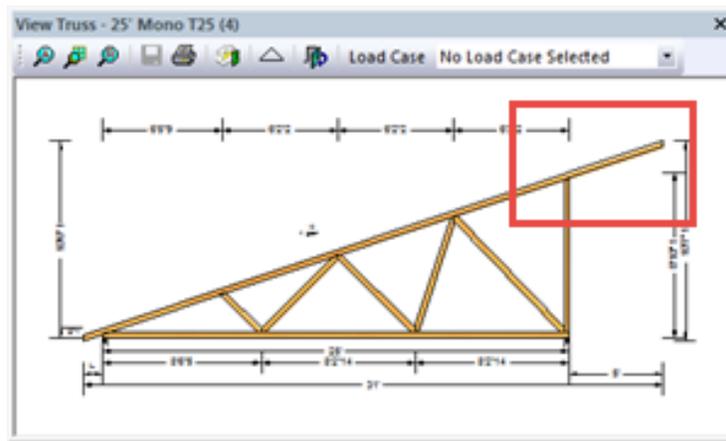
1. Select "Adjust Truss Ends" from the truss toolbar. Click your right mouse button to open the popup dialog.

Top Chord Extended

2. Set the options to Top Chord and Square Cut. Remember that if both options need adjusting, you will need to open the popup dialog twice in order to adjust each option.

3. Using your mouse cursor, select the trusses to be adjusted and press the Enter key.

4. Select the line to extend the top chord and press the Enter key. In this example, the top chord of the mono was extended to the ridge of the building.

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.