

Using the Drop Flat Top Chord Tool in iModel

The Drop Flat Top Chord tool is used to manually drop flat top chords of hip trusses using one of four methods: Standard Drop, Girder Drop, User Drop or No Drop. Users can also choose whether to remove the dog eared portion of the extended sloping top chord by choosing Eliminate Ears. The Drop Flat Top Chord tool is located on the truss toolbar in iModel.



To begin, click the Drop Flat Top Chord tool and click the right mouse button (RMB) to display the popup menu. Users can choose the truss selection method, drop type and whether they wish to eliminate ears -- these choices are indicated by a checkmark.

Standard Drop:

Selecting the Standard Drop option in the RMB menu drops the flat top chord based on the plane slope. All of the selected truss flat top chords will drop the same amount.

Girder Drop:

Selecting the Girder Drop option in the RMB menu drops the flat top chord on a No. 1 hip girder a lesser amount than on a standard truss. All of the selected truss flat top chords are dropped the same amount.

User Drop:

Selecting the User Drop option in the RMB menu permits users to enter any drop amount in the input field at the bottom of the screen. Note: The drop distance can't exceed the plumb cut length of the pitched chord.

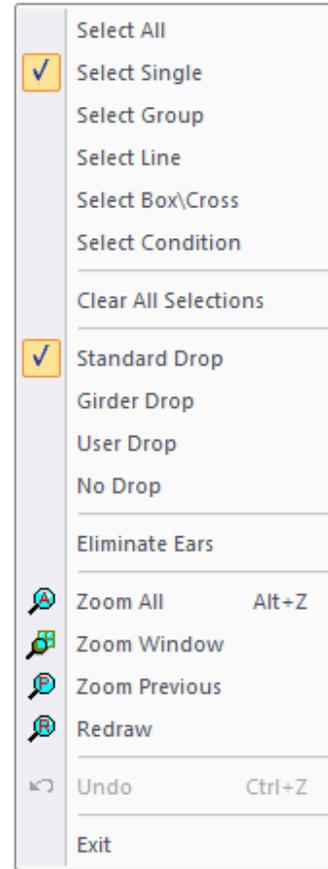
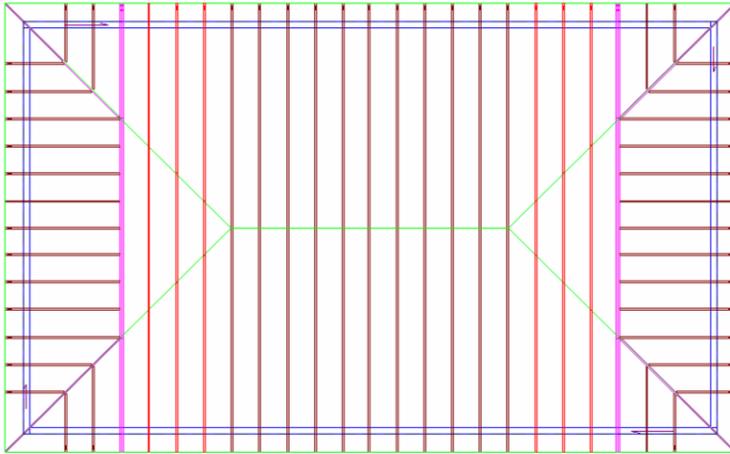
No Drop:

Selecting the No Drop option in the RMB menu returns all of the selected trusses that have been dropped back to the original, no drop profile.

Eliminate Ears:

When selecting the Eliminate Ears option, iModel automatically removes the dog ear sloping top chord extension and adjusts the setback distance based on the flat top chord drop.

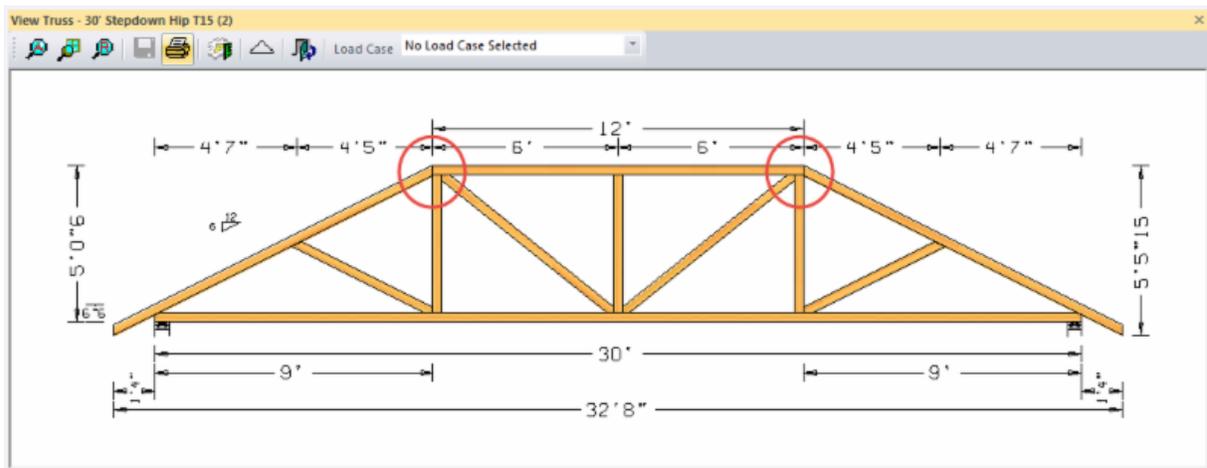
After all of these selections have been made, iModel prompts the user to select the trusses to be dropped. Trusses that are selected to drop are shown in red.



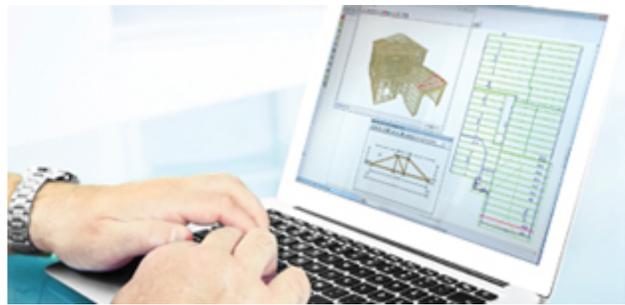
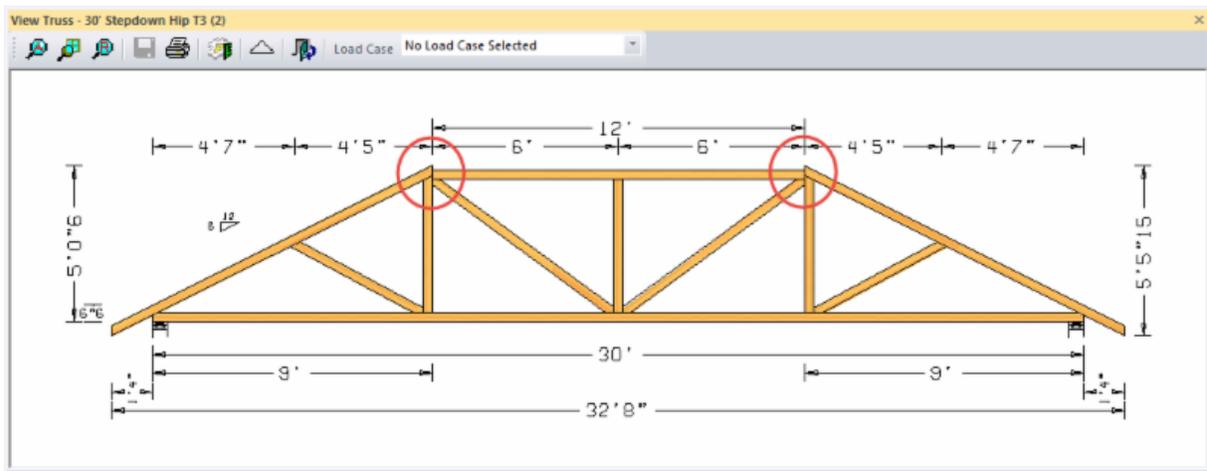
After the trusses have been selected, press the Enter key for these selections to be applied.



The truss prior to dropping the top chord:



The truss after dropping the top chord:



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.

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