Truss+ 2010
Insert Truss by Selected Model Line

Scissors Truss

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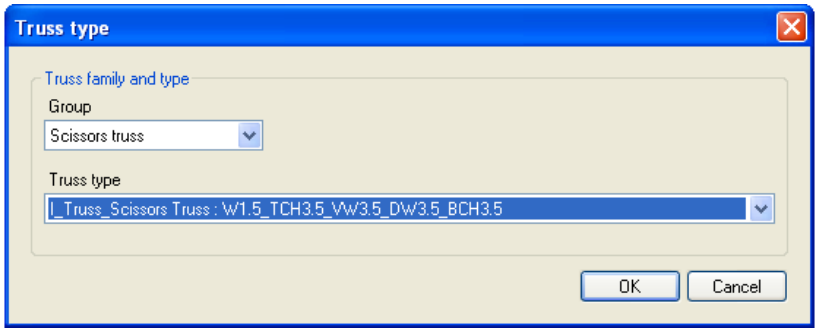
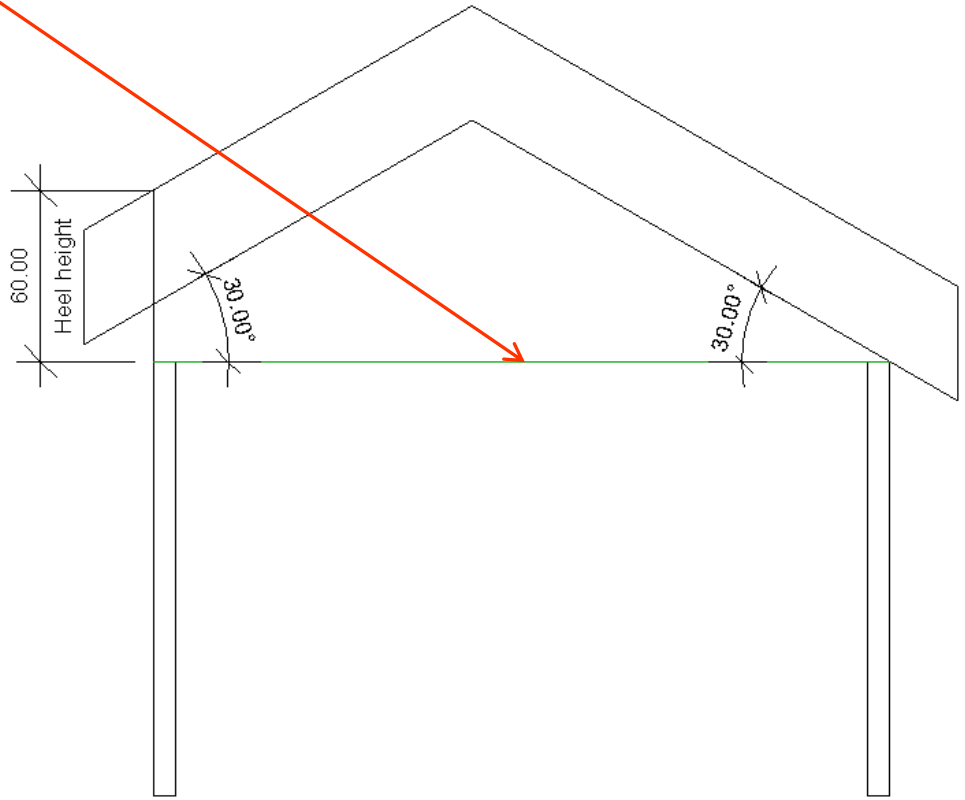
Insert Truss by Selected Model Line

- Select Model Line
- Choose the *Insert Truss by Selected Model line* function from “Truss+” menu.
- Pick *Scissors truss* in the “Group” dialog and select Truss type you want.





NOTE: Start point of Model line will be the start point of Truss and End point of Model line - the end point of Truss.

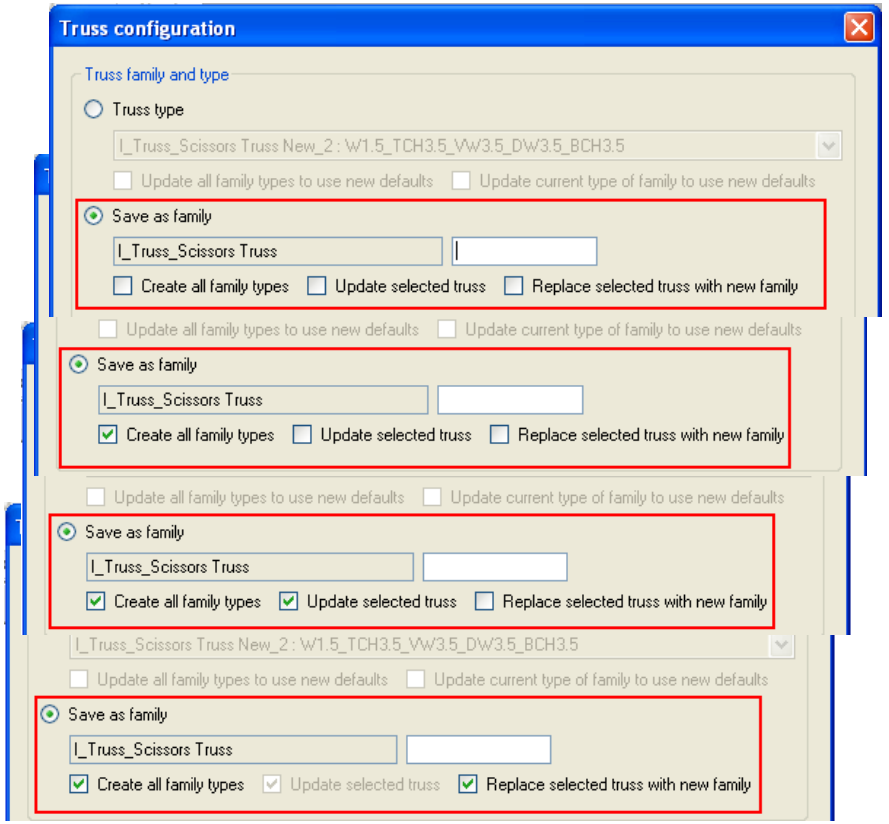
Insert Truss by Selected Model Line

- Create a new family additionally (one type, as selected one) without updating selected one.

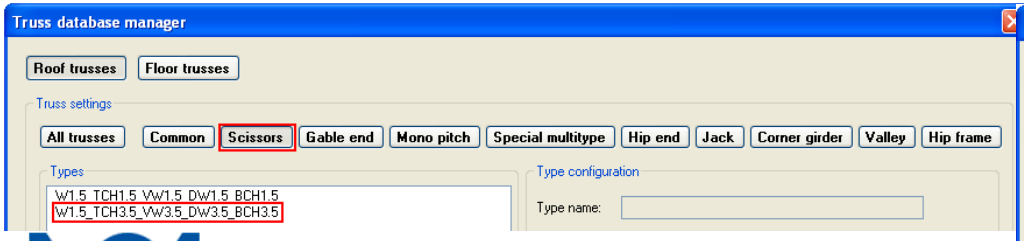
- Create **all Scissors truss new family types** (all Truss types created by Database manager) without updating selected one.

- Create new **Scissors truss family types** and update instance parameters of **selected truss**.

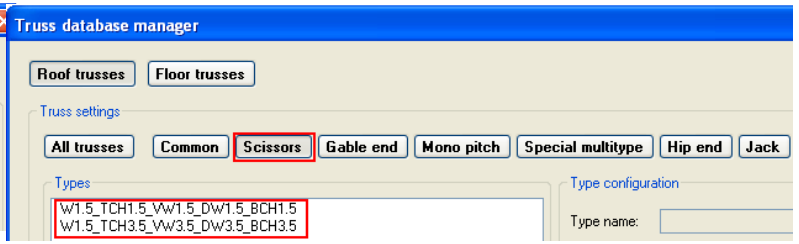
- Create new **Scissors truss family types** and replace **selected truss** with a new family.



Current type of family

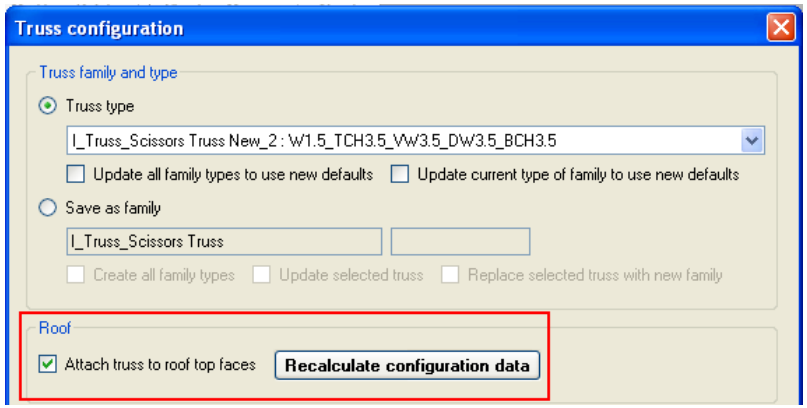


All family types

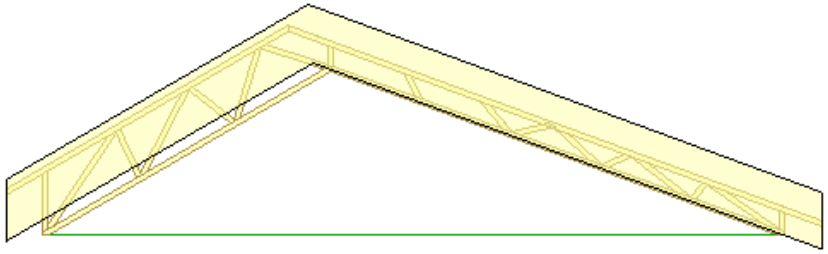


Insert Truss by Selected Model Line

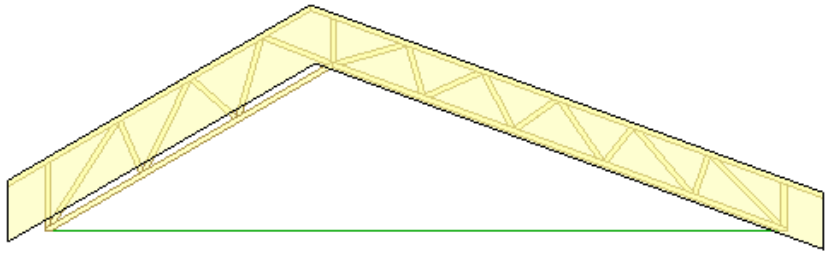
• *Recalculate configuration data* function enables you to recalculate truss configuration relative to the roof geometry. Truss can be attached to the roof top faces or not.



Before



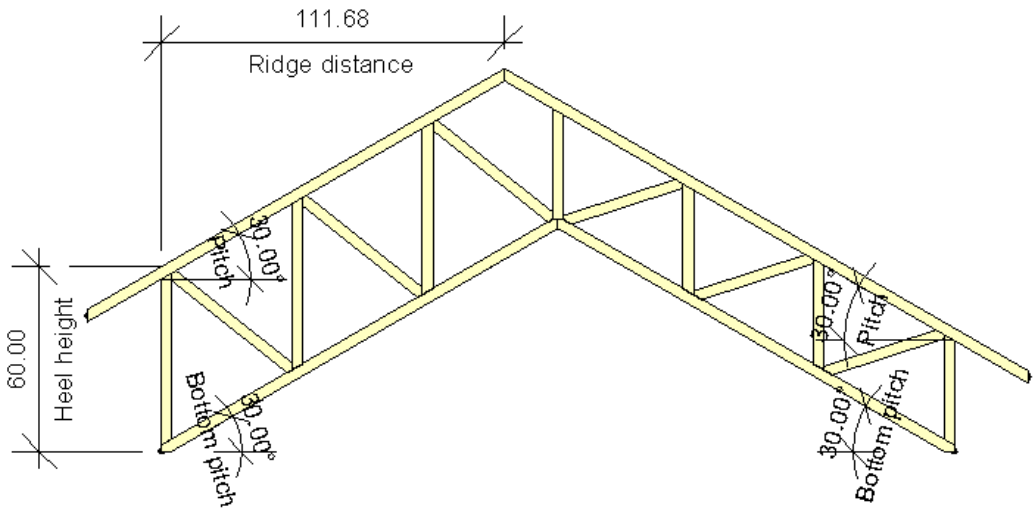
After

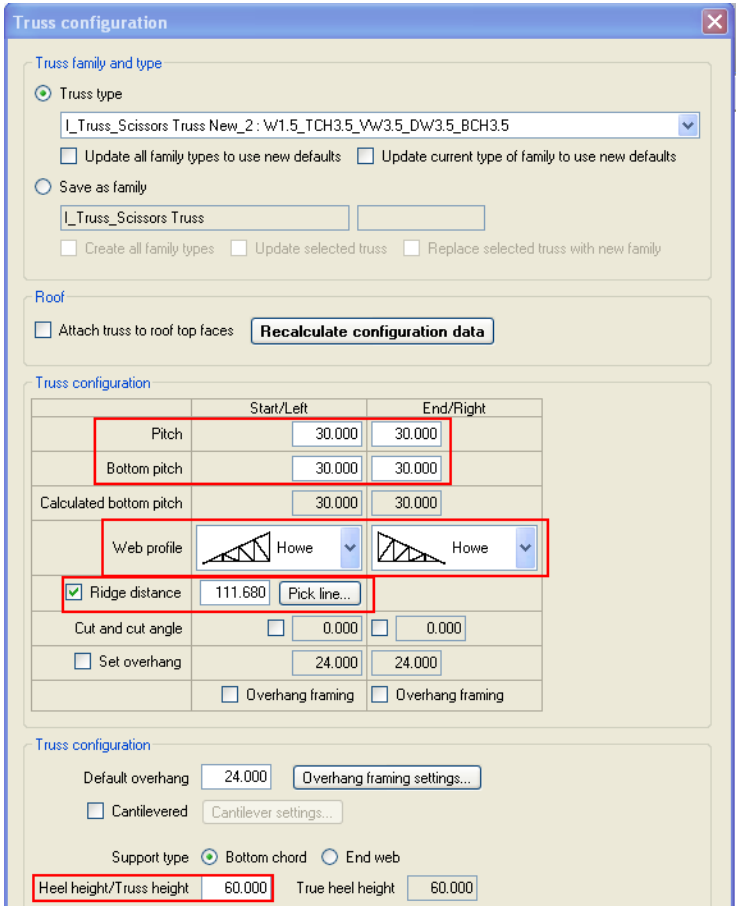


Insert Truss by Selected Model Line

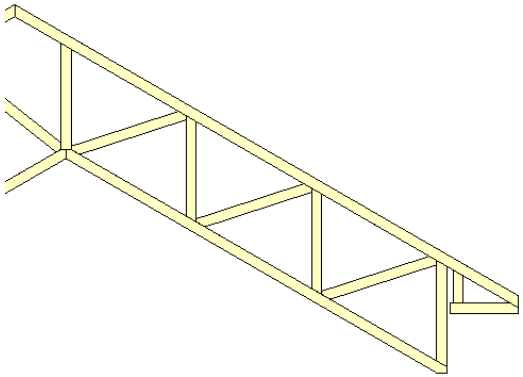
In Truss configuration dialog the user should define:

- *Pitch*
- *Bottom pitch*
- *Web profile*
- *Ridge distance.* User can *Pick line* (Model line), showing the distance or switch On the *Ridge distance* check box and add this value manually. In case Ridge distance is not defined, the ridge will be at the center of the span.
- *Heel height*





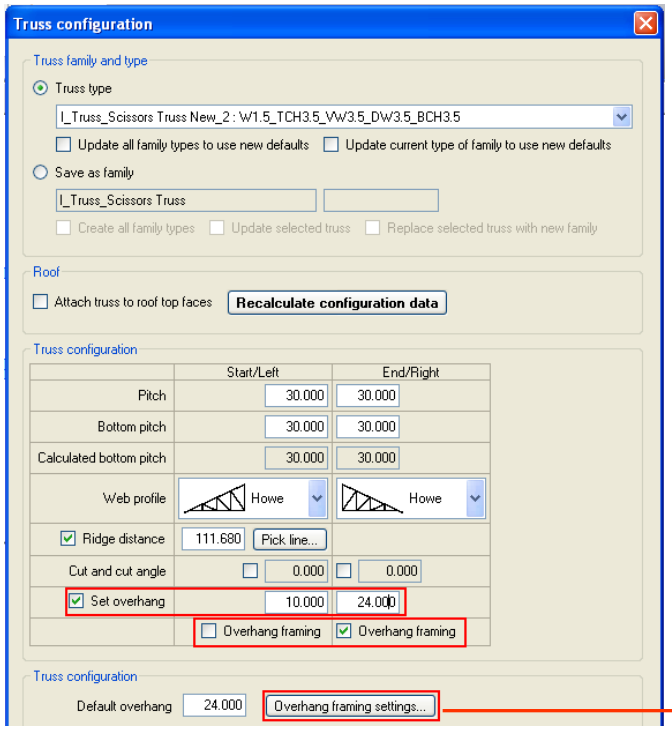
Insert Truss by Selected Model Line

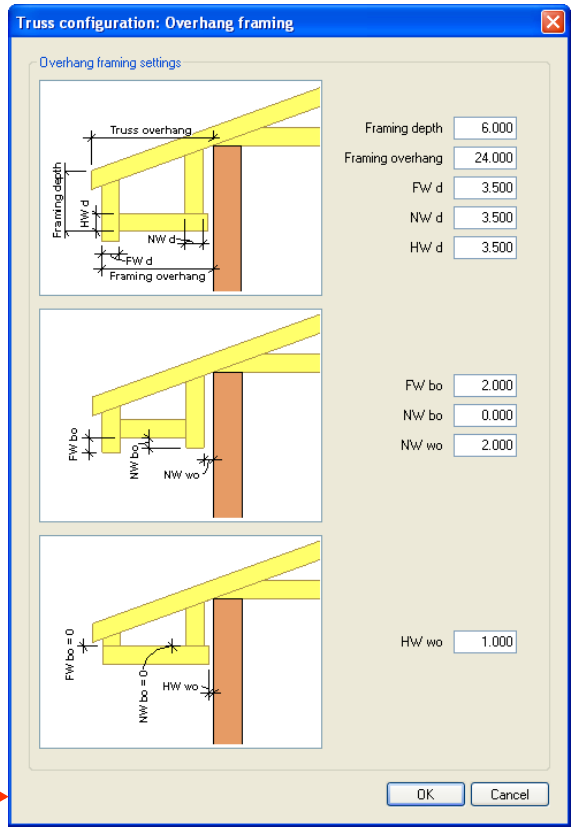


- Switch On the option *Overhang framing* if it's needed.

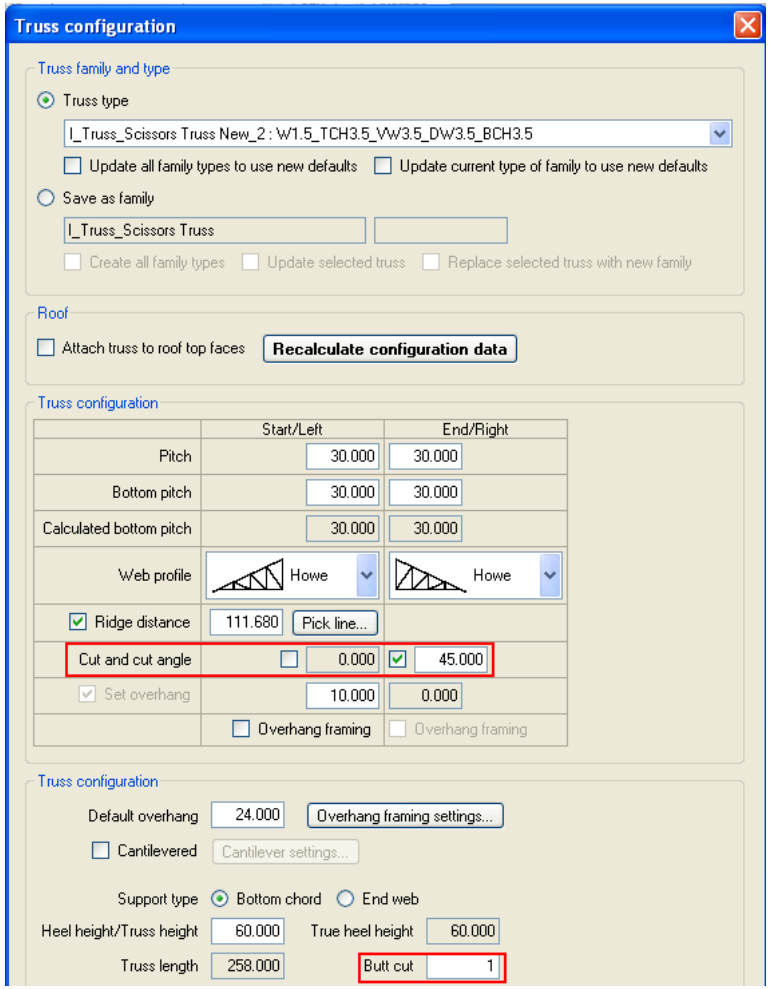
- Define *Overhang framing settings.*

User can define different values of overhang on Start and End points of the truss.



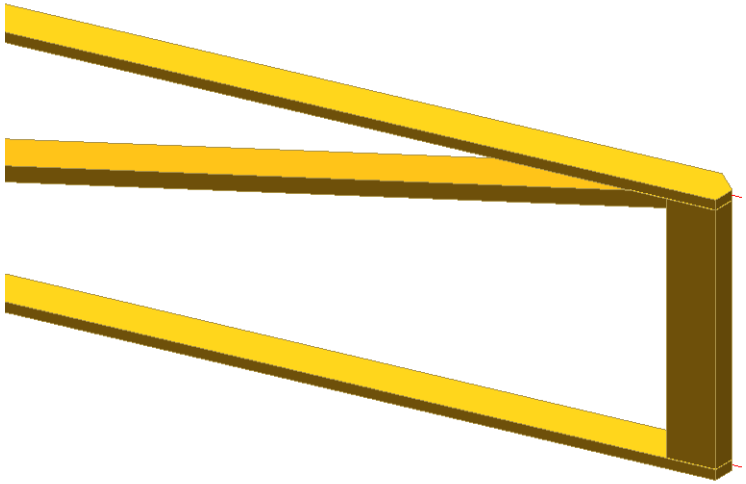


Insert Truss by Selected Model Line

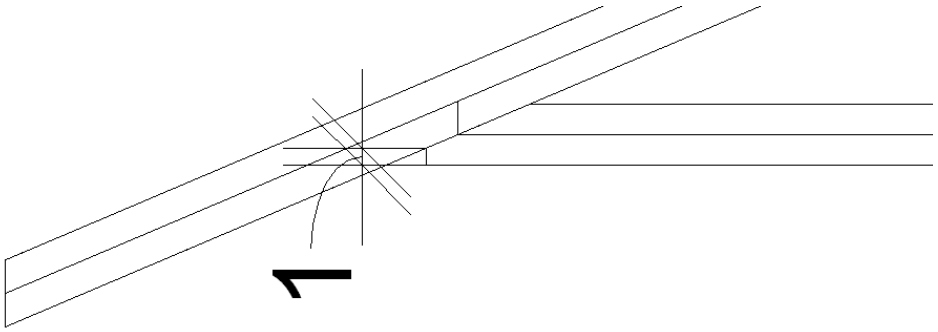


If it's needed:

- Define *Cut and cut angle*

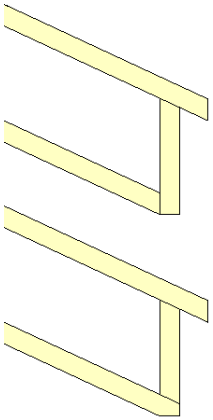


- Define the *But cut* value



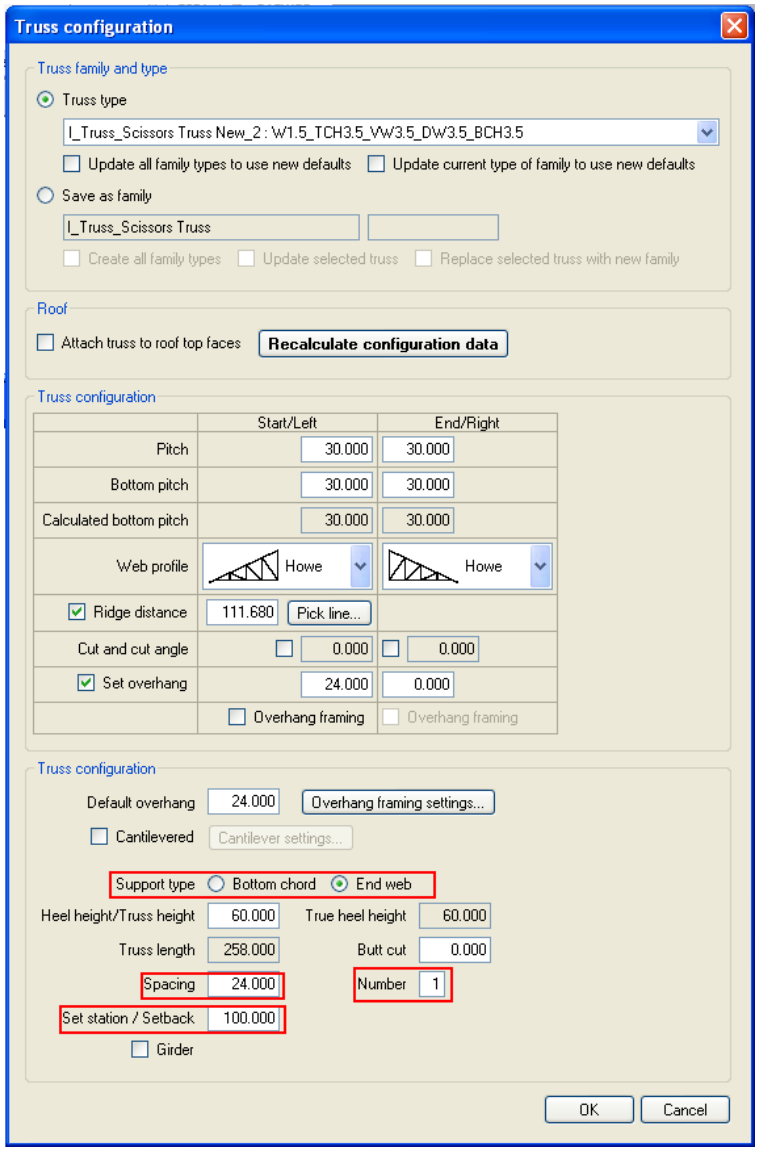
Insert Truss by Selected Model Line

- Define *Support type.* It can be *End web or Bottom chord.*
- *Spacing*, *Set station/Setback* and *Number* options are described in the other chapters (“Insert Truss by Selected Model Line/ Hip end truss”).



Suport type – End web

Suport type – Bottom chord



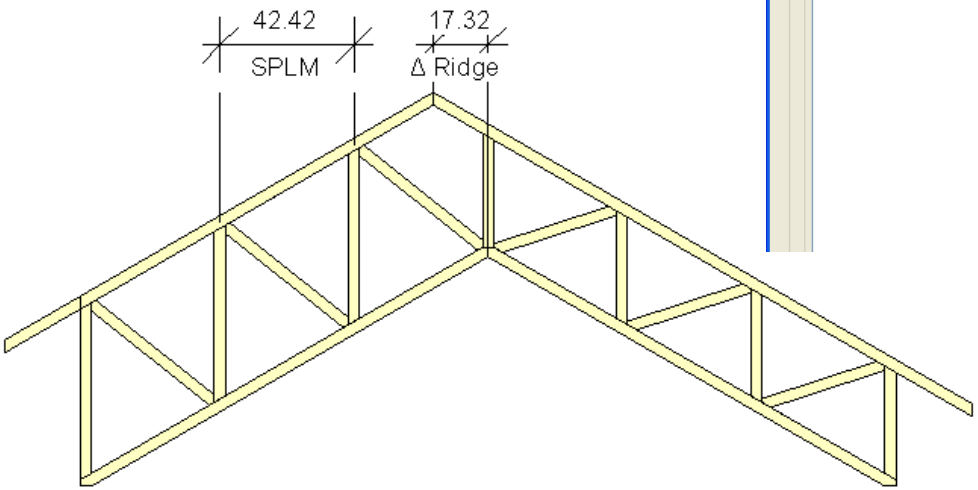
NOTE: All described options are the same for Scissors Mono trusses. The only difference is that all parameters should be defined only for one side of the truss.

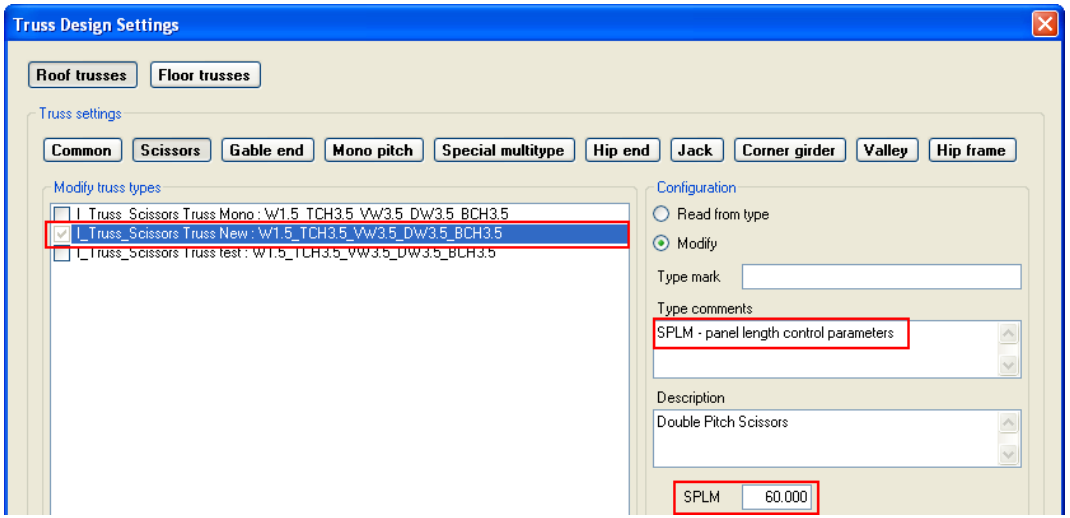
Insert Truss by Selected Model Line

There are two things you have to know when you are inserting Scissor trusses:

1. Difference between *Start/Left Pitch* and *Start/Left Bottom Pitch* should be equal to the difference between *End/Right Pitch* and *End/Right Bottom Pitch*.

2. A distance between Top and Bottom Ridges (Δ Ridge) should be not bigger then panel length control parameter SPLM. If this condition is not satisfied, both ridges will be at the center of the span.





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