SEMA SOFTWARE

Search and Mark

Limited Warranty

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This manual is subject to changes without notice and specification of reasons. As every version of our software is reviewed and updated for your benefit, we would appreciate any ideas and suggestions from users. With constructive criticism you can help us to further improve and develop our programs and documentation.

Published by:

SEMA GmbH
Computer Software und Hardware-Vertrieb
Salzstraße 25
87499 Wildpoldsried at Kempten, Germany

Printed in Germany
Item No. INSTR-SEARCH-MARK-EN 07/2020

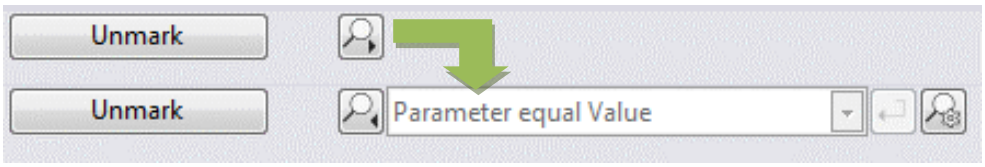
Contents

Instructions for the Search and Mark Function

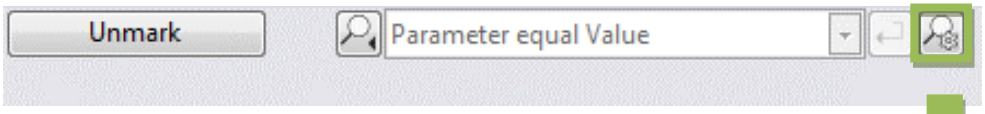
A new function which searches and then marks all components of a building project has been incorporated into Version 18-1. It is, thus, possible to search and mark components with specific cross-sections or components that exceed specific component lengths.

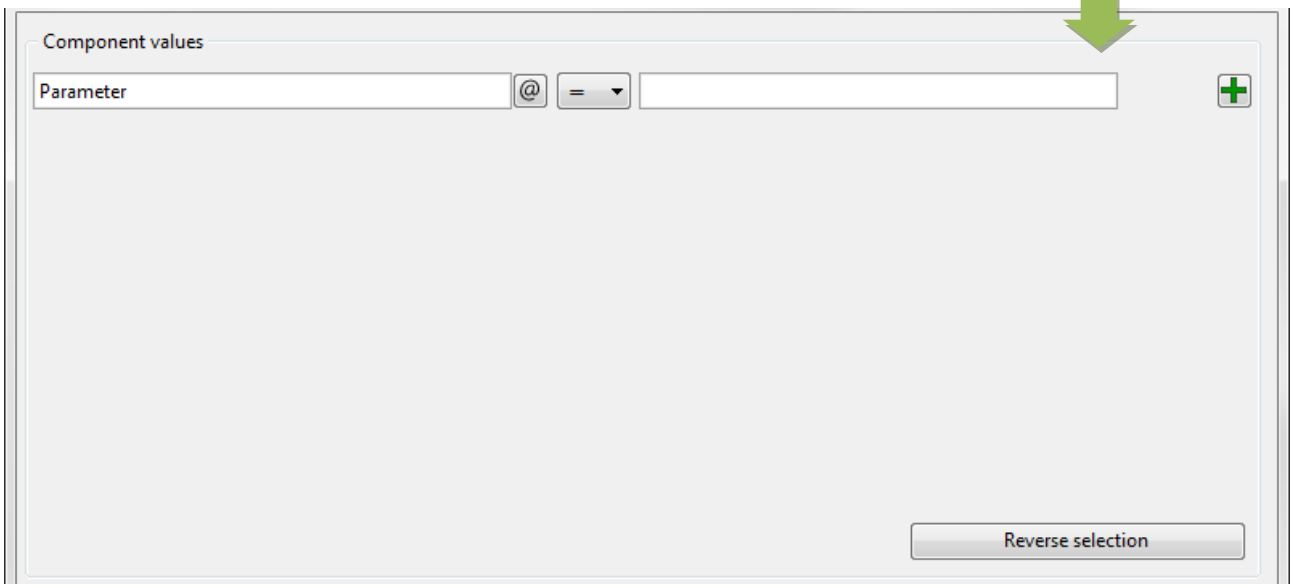
1. Search and Mark

This new function can be found in the bottom entry line of the program, next to the "Unmark" button. The options for selection and entry will open by clicking the new symbol.



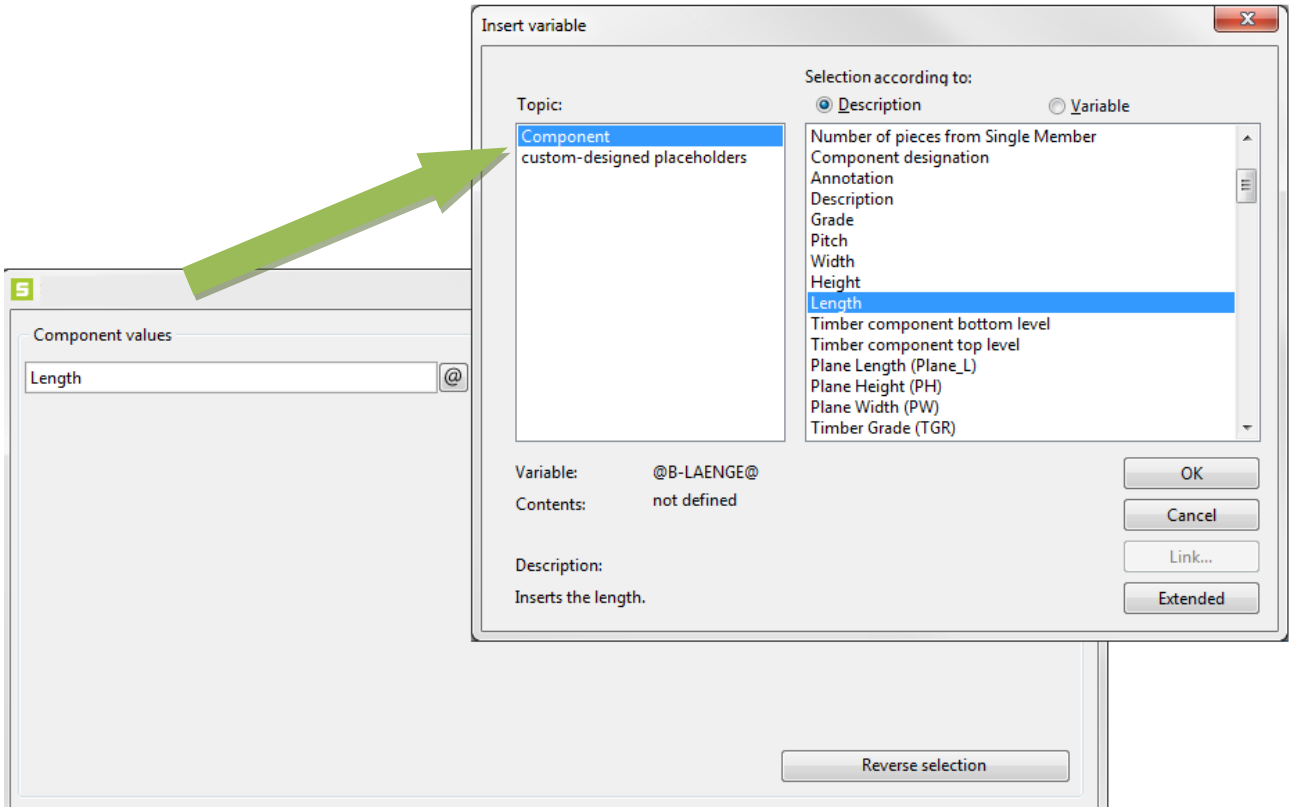
Users can open another window via the last button for the definition of the search settings.



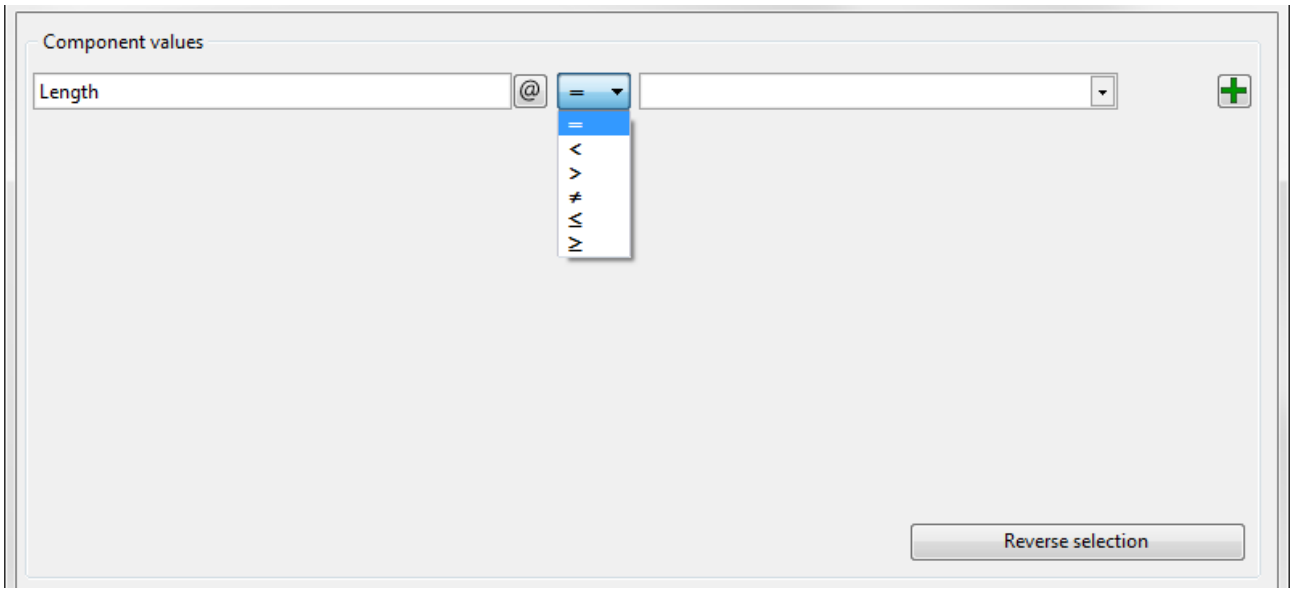


2. How to Define Simple Search Requests

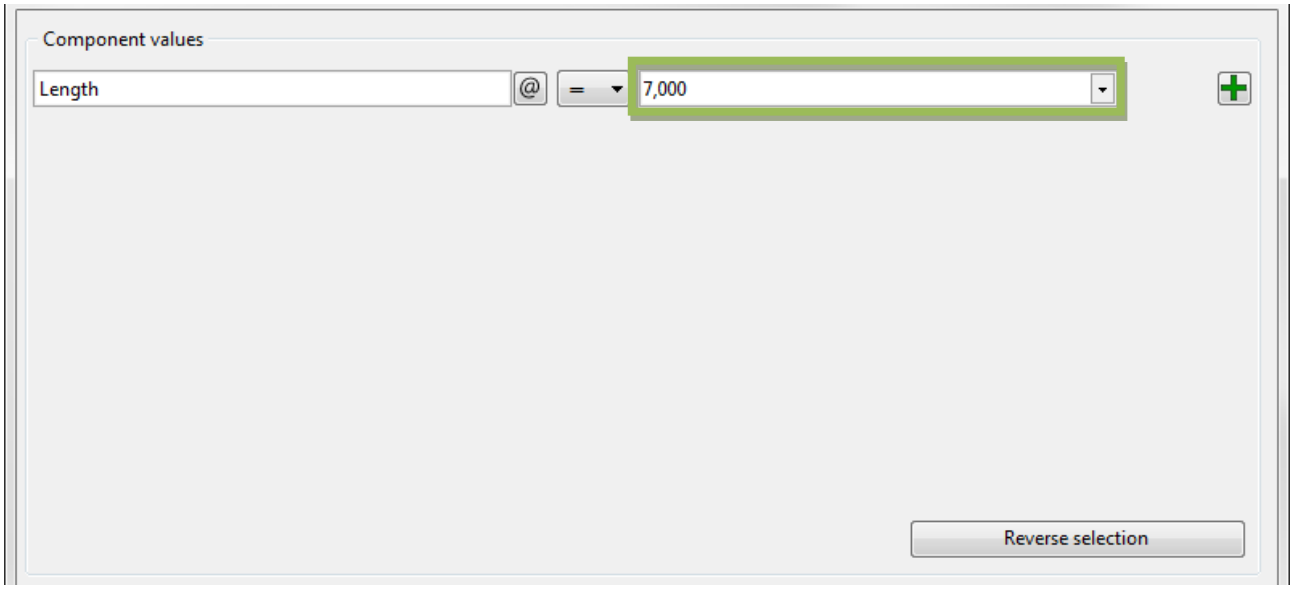
The component value which is to be searched for must be defined in the first entry line. The menu for the selection of placeholders will open after clicking into this line - users can either select placeholders suggested by the program or custom-designed placeholders.



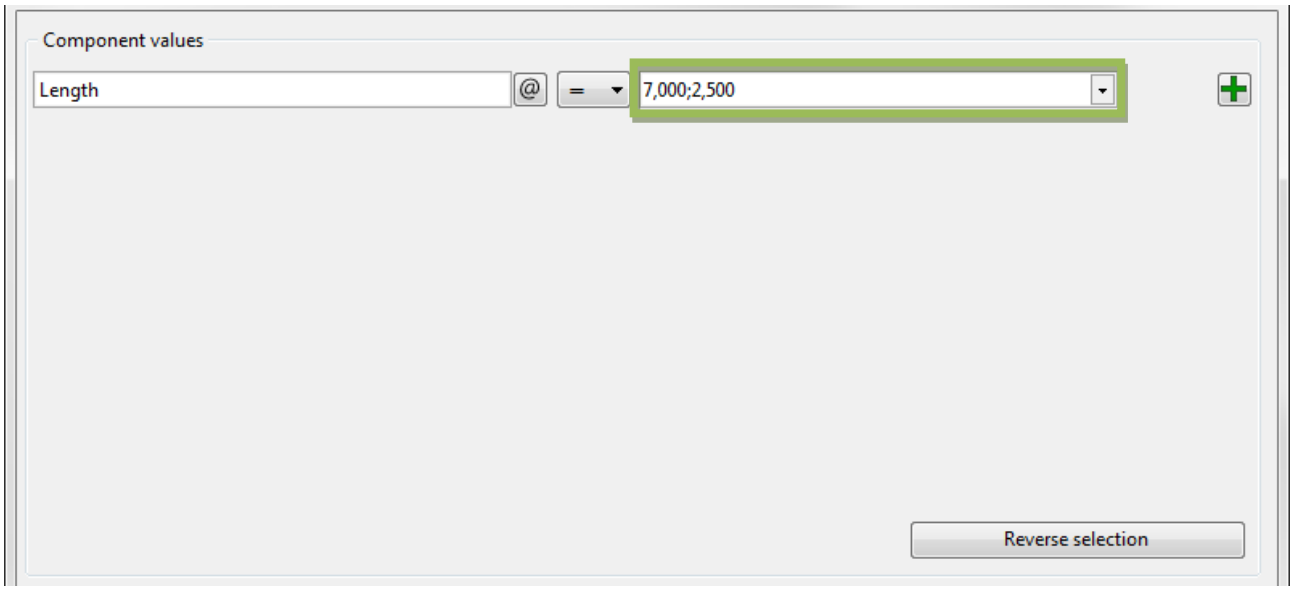
The second field serves to define the search relationship. The following options are available. equal, < less than, > greater than, ≠ unequal, ≤ less than or equal to, and ≥ greater than or equal to.



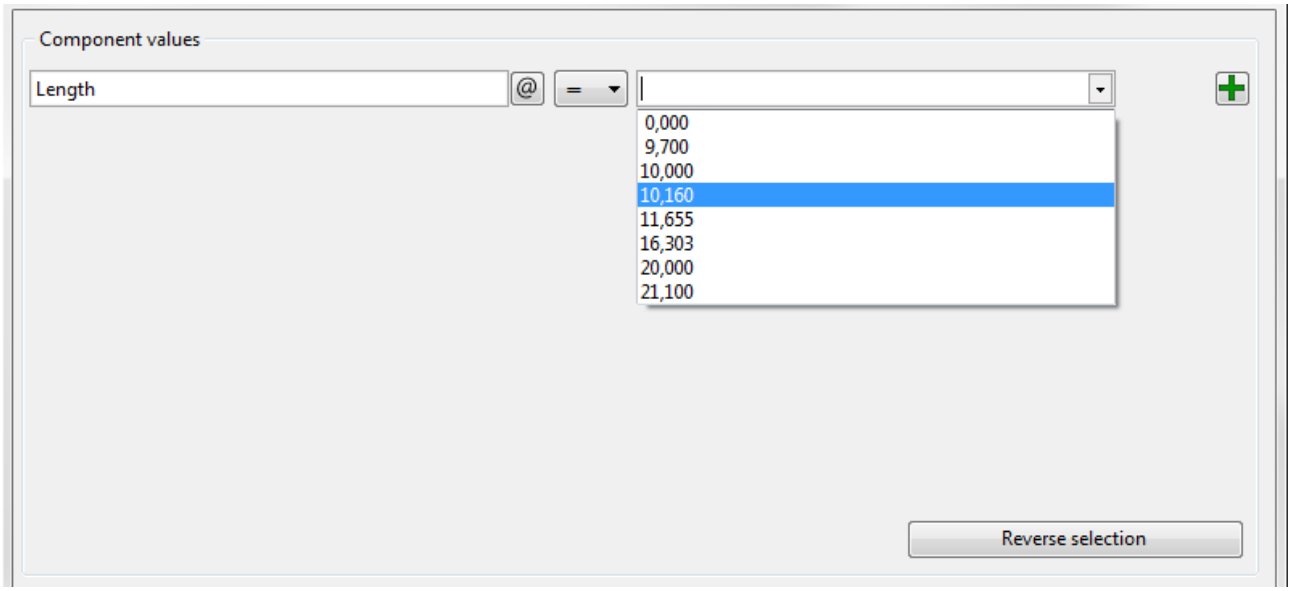
The value which is to be searched for must be entered in the last field.



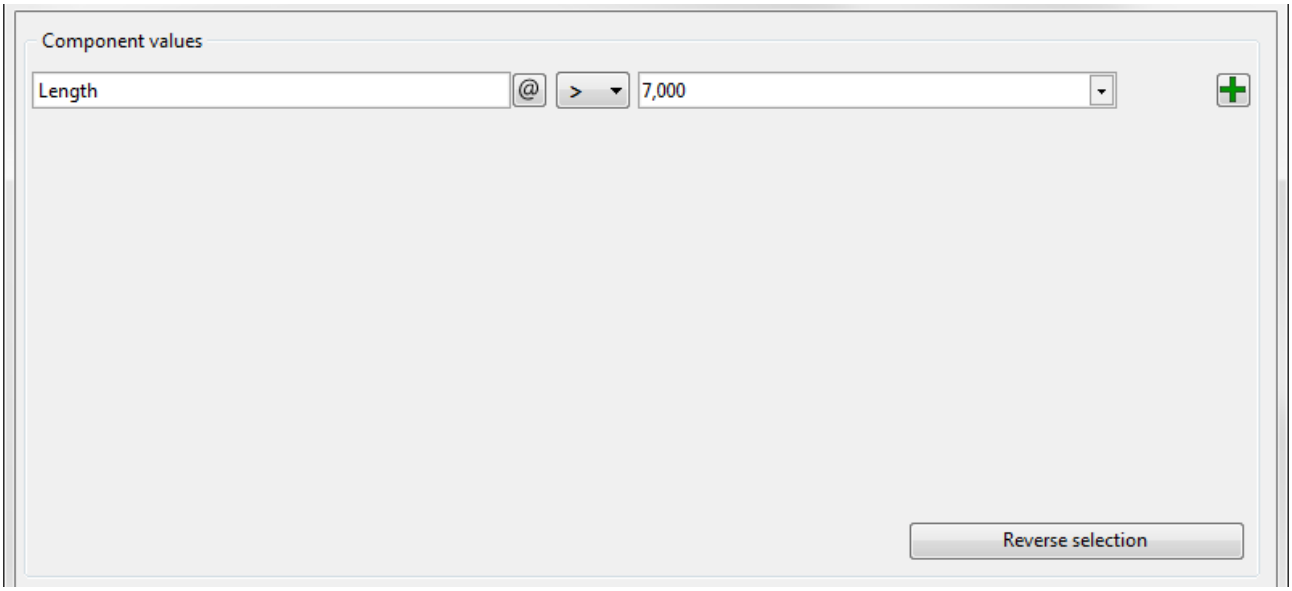
It is possible to search for several values by using a semicolon (;) as a delimiter.



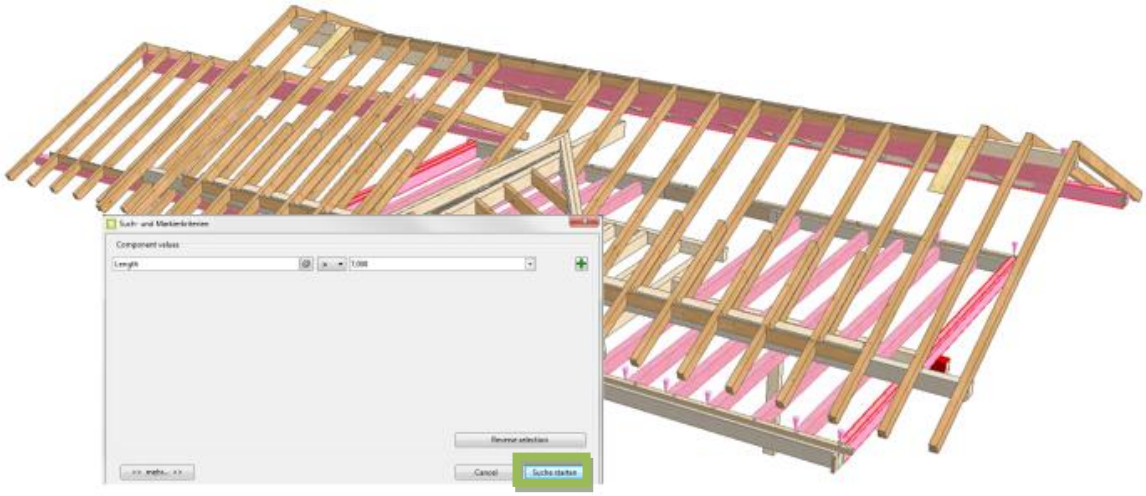
The program automatically searches for and proposes all component values that have been found for the placeholder set. In the case of searching for a length, all lengths of the components currently visible will be listed. Moreover, the values proposed can be updated subsequently via F3. Inactive or non-visible components are not considered.



The following settings are, thus, required when users want to search for components longer than 7.00 metres.

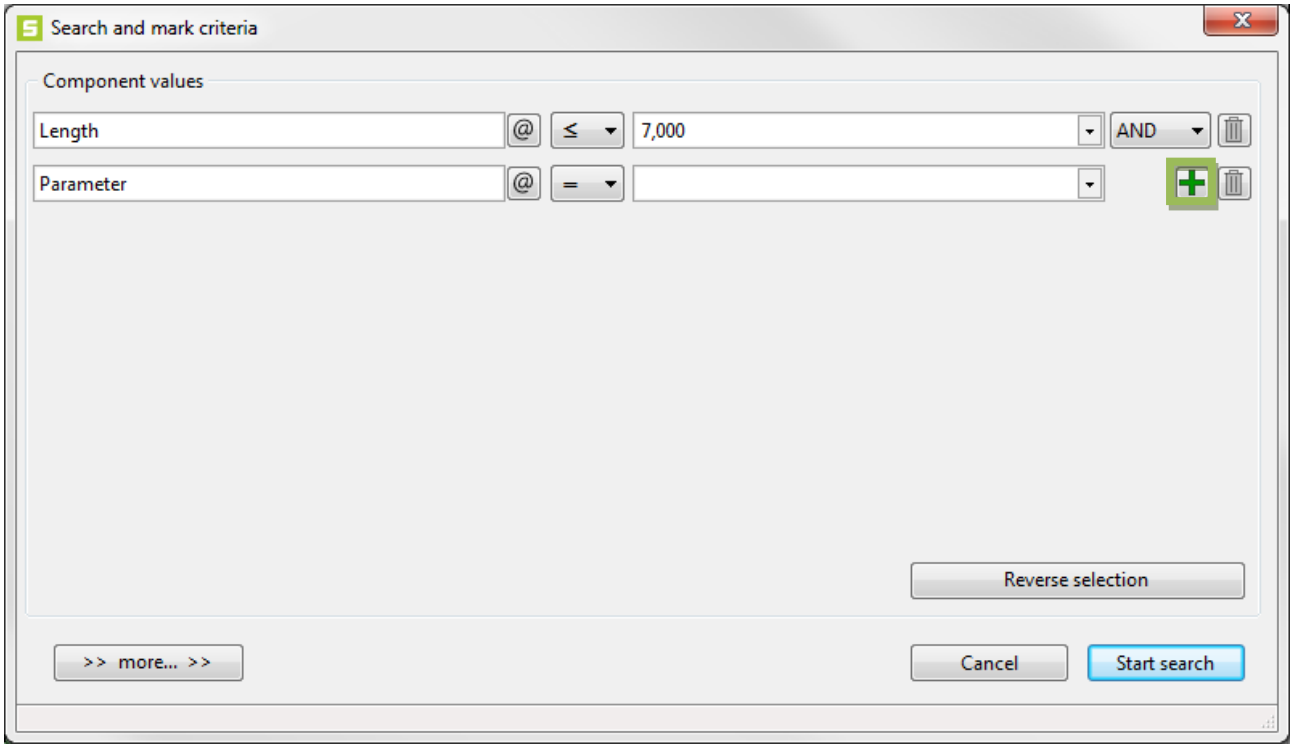


The window closes after clicking "start search" and all components visible with a length greater than 7.00 metres will be marked automatically.

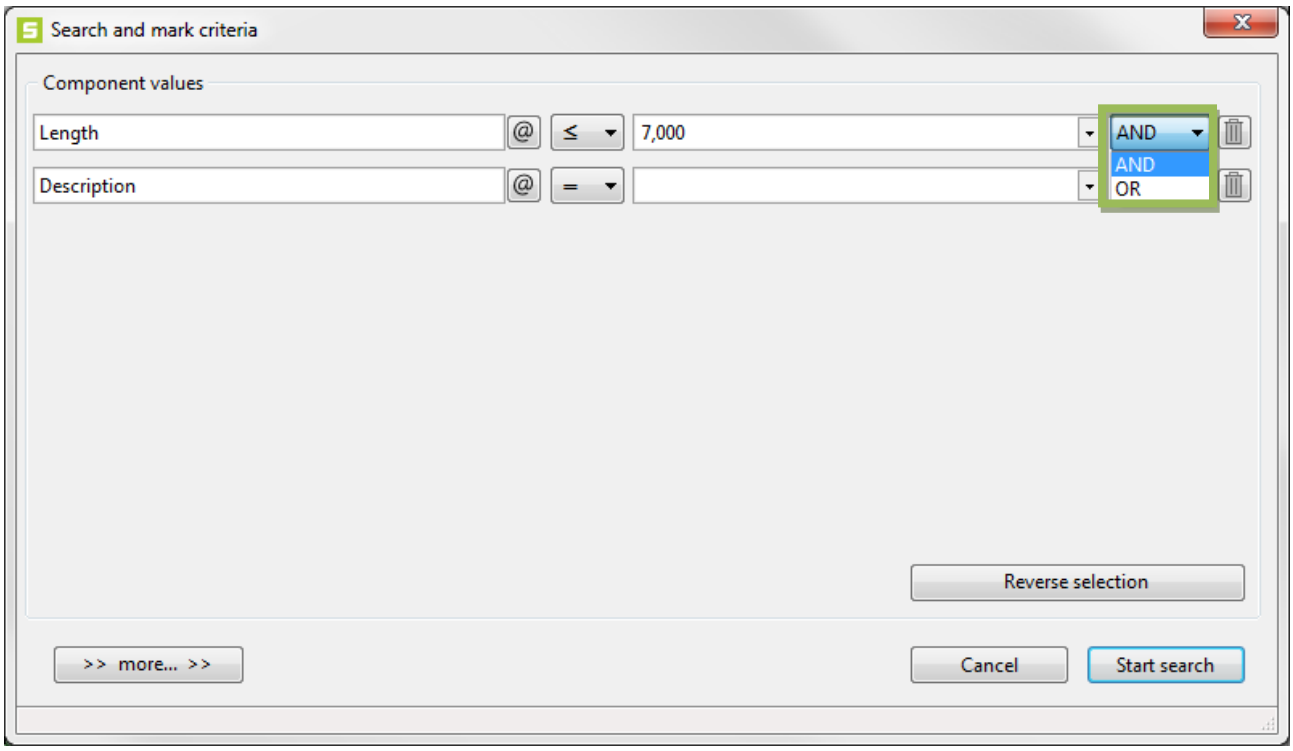


3. How to Define Combined Search Requests

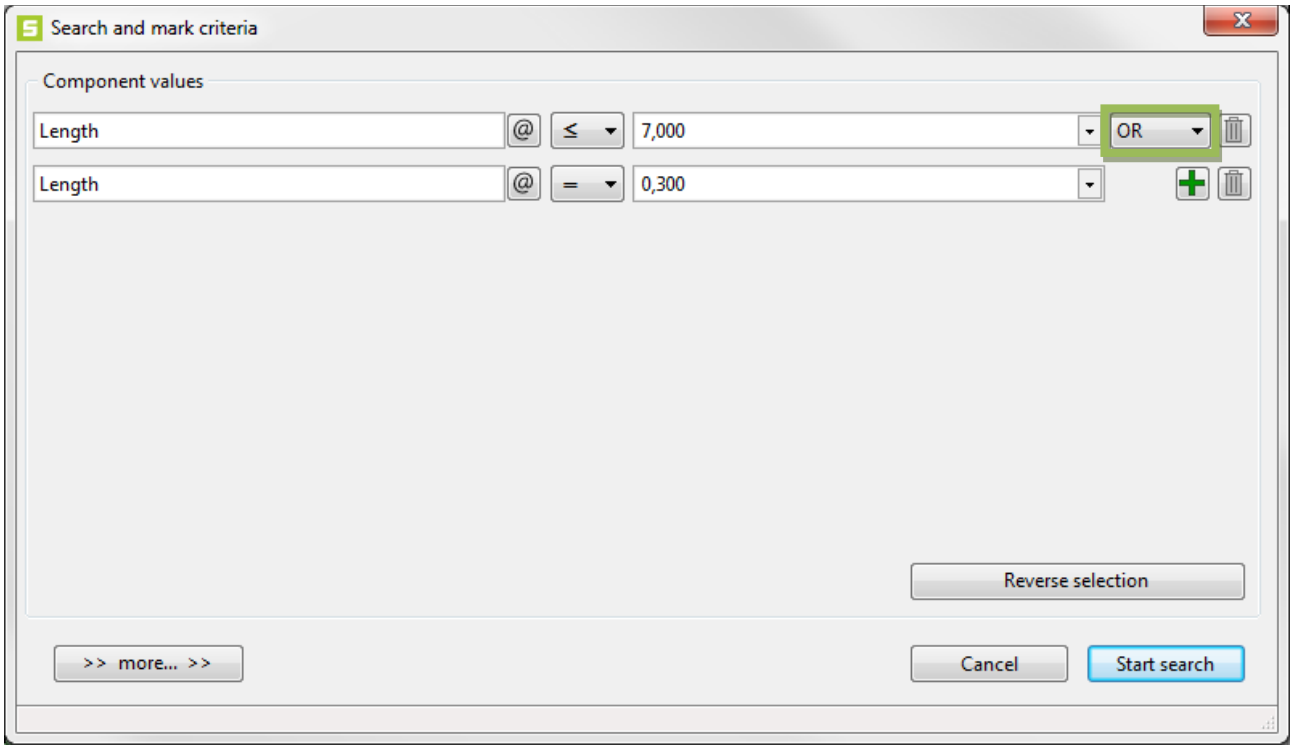
It is possible to combine up to 8 search requests to refine the search. Another line can be added by clicking the green "plus icon"  at the end of the first search.



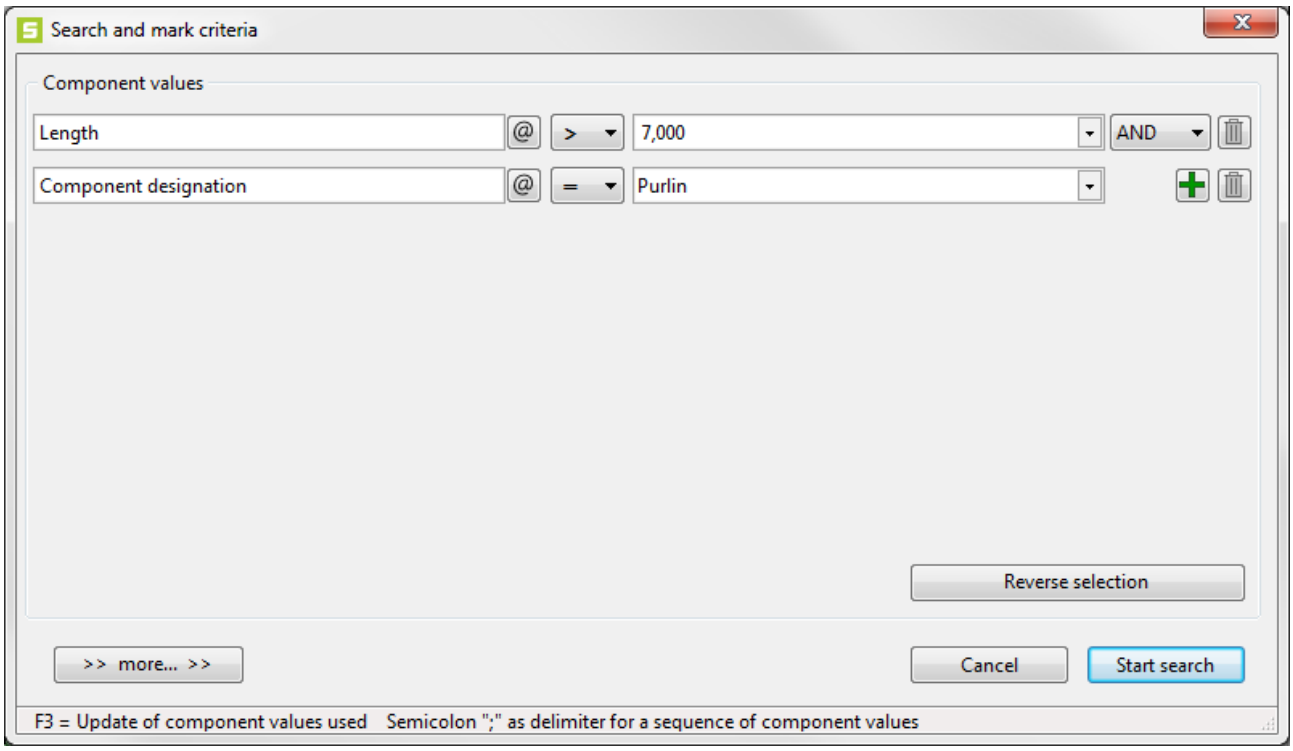
In addition to this, a pull-down menu will open behind the first line; options "AND", "OR" are provided.



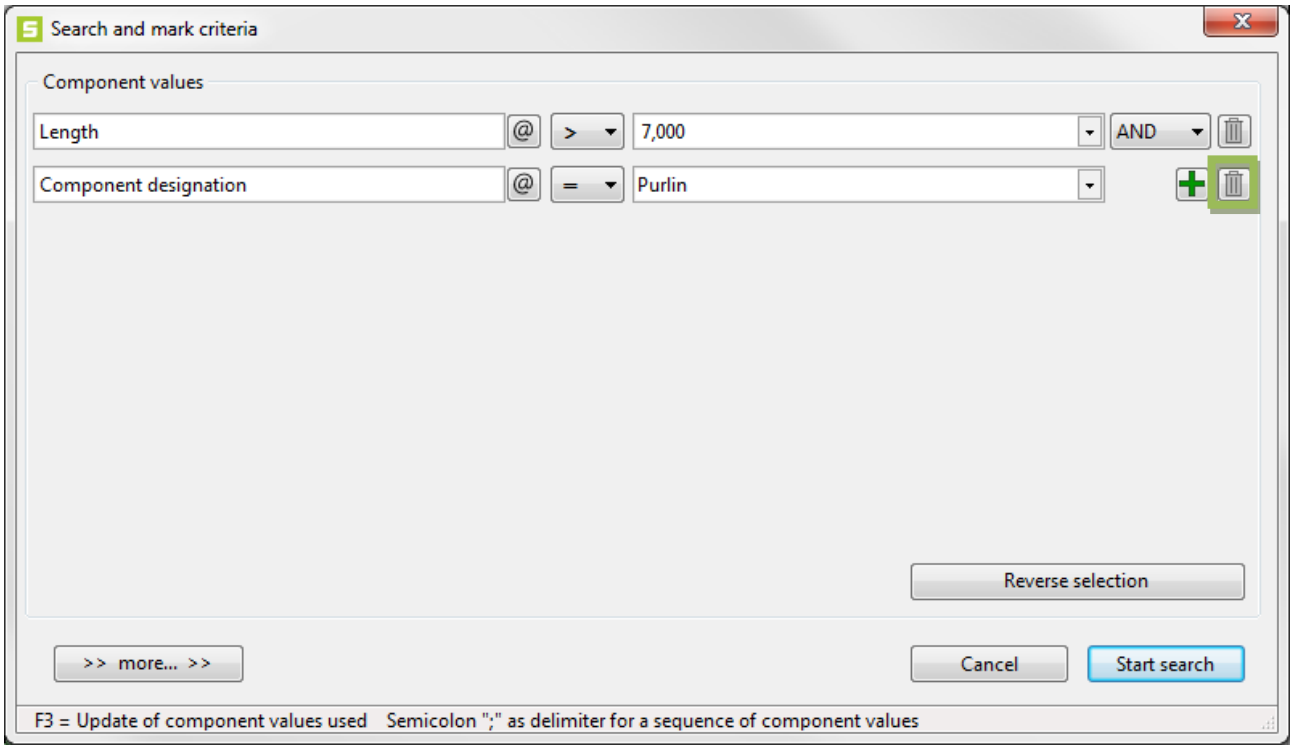
The search settings for components greater than 7.00 metres or less than 30 centimetres might look as follows:



The search settings for purlins greater than 7.00 metres might look as follows:

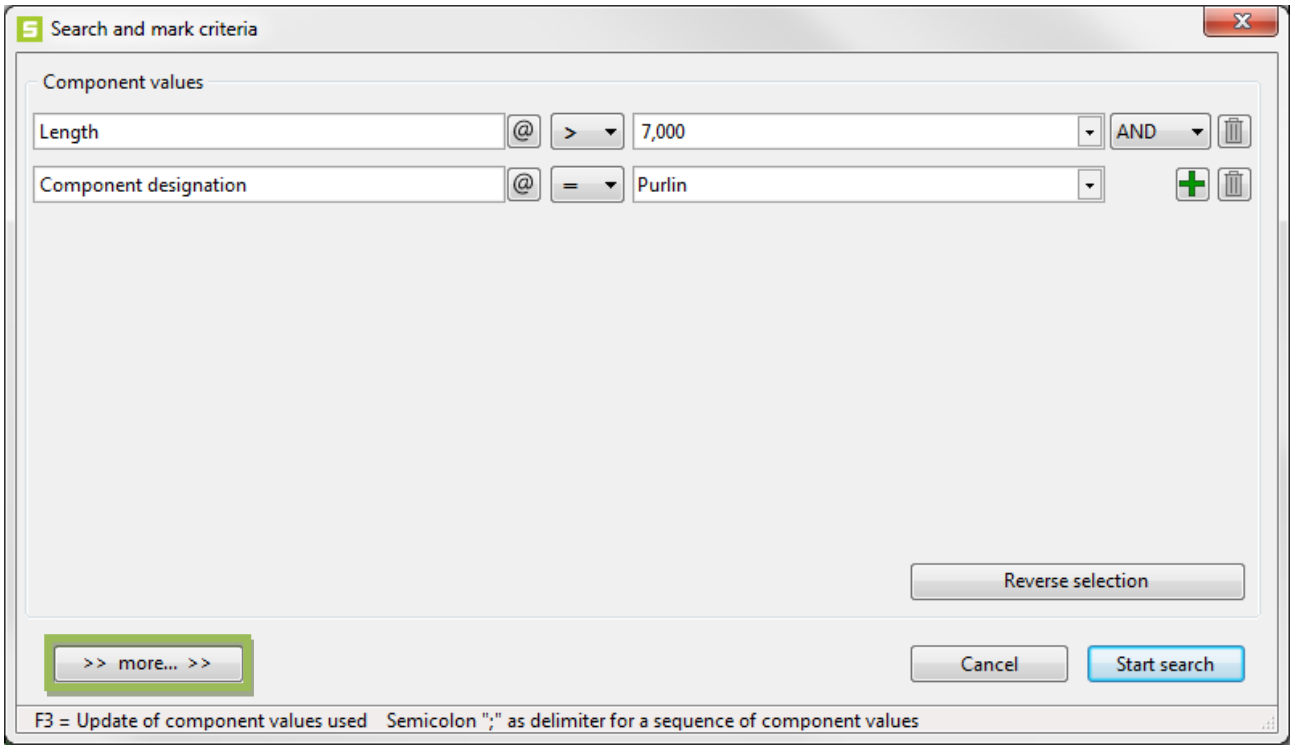


The additional search request can be deleted by clicking the trashcan icon at the end of the respective line.

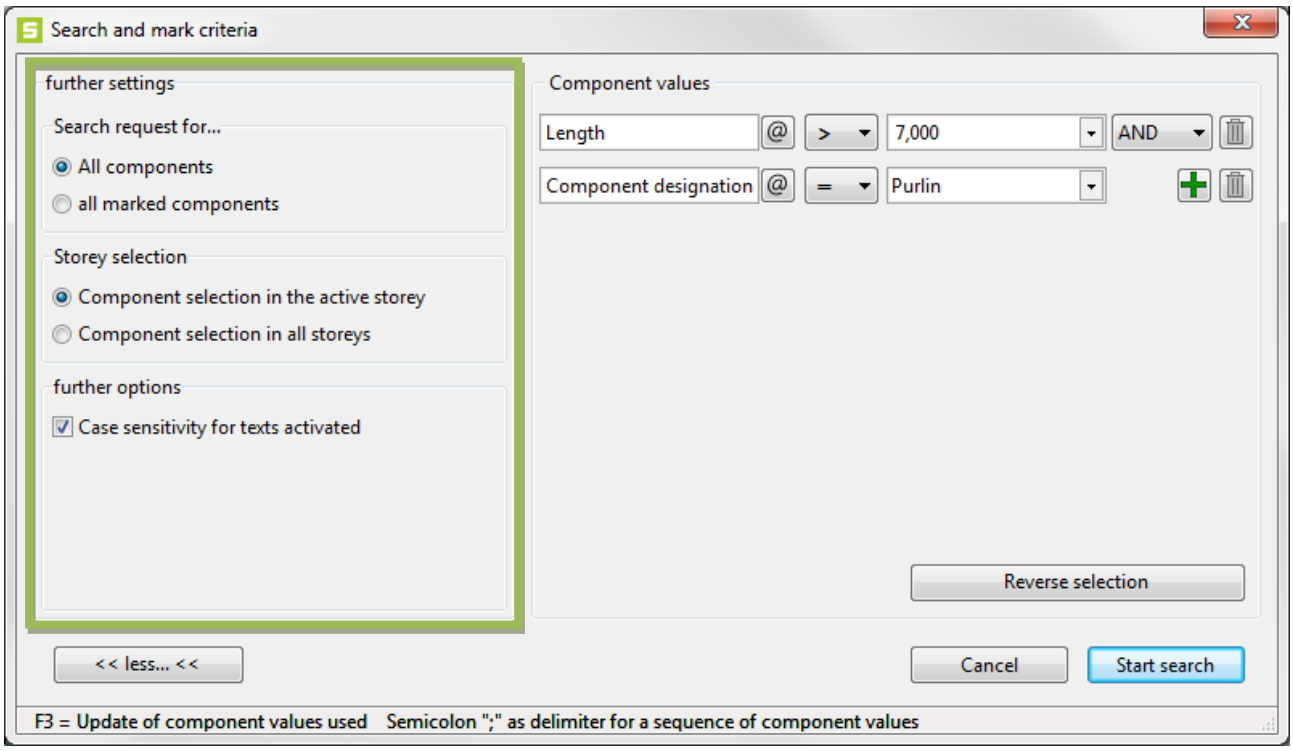


4. How to Further Refine Search Requests

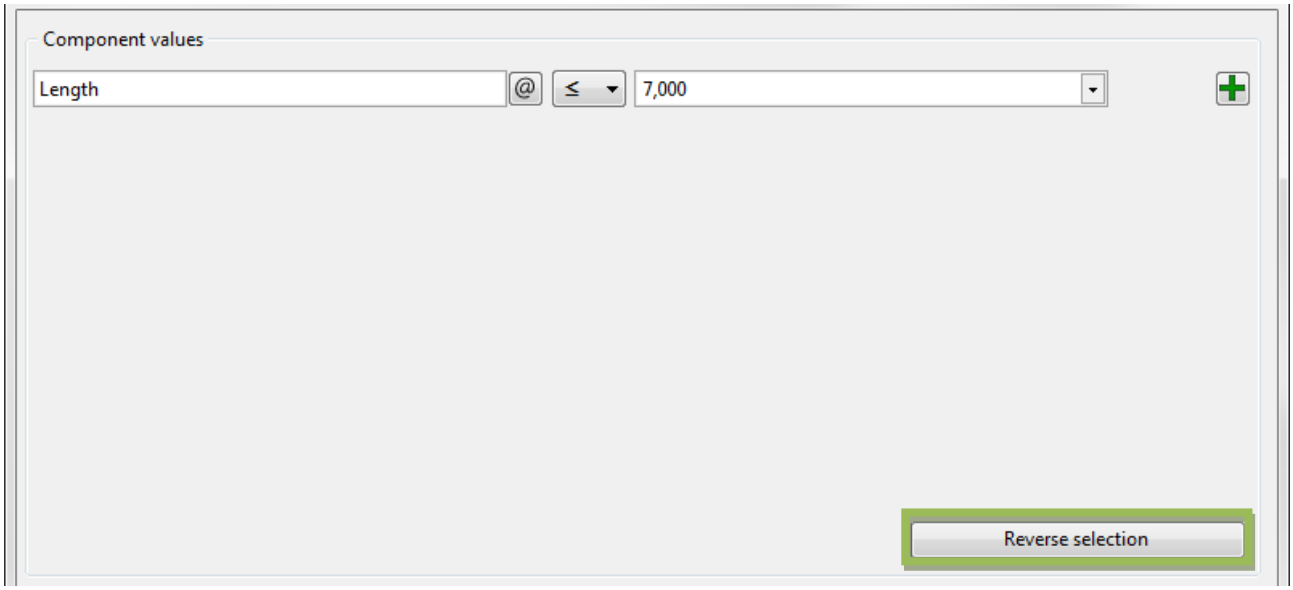
These search requests can be refined by clicking the >> more ... >> button.



There, users can determine if the search request shall be performed for all or only marked components. Moreover, a search can be performed in all storeys or limited to the current storey. Case sensitivity can be (de)activated when searching for texts.

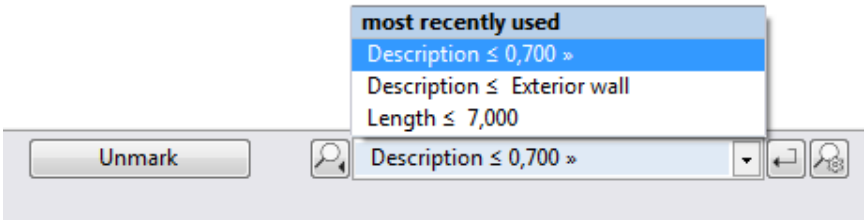


In addition, all search relationships can be reversed quickly via the button "Reverse selection" - ">" (greater than) will, thus, become "≤ " (less than or to).

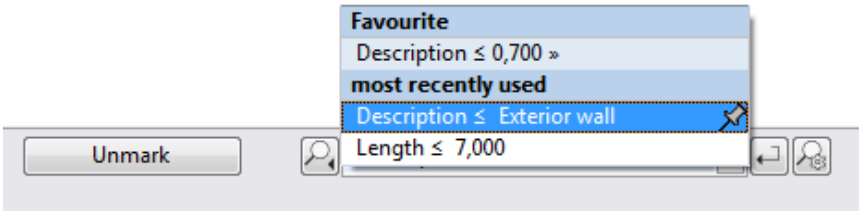


5. How to Manage the Search and Mark Function

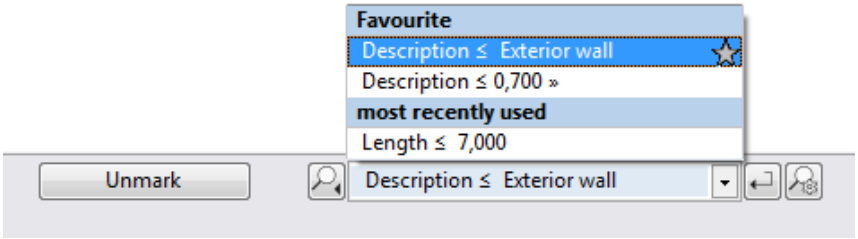
The 6 search requests used last will be listed in the pull-down menu (bottom toolbar). The program will create a name referring to the criteria set automatically. Search requests created previously can be started by clicking "Enter" or the icon next to the pull-down menu.



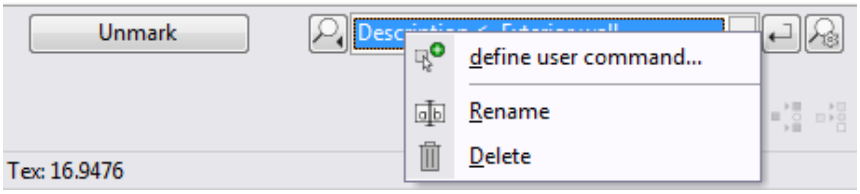
When one opens the pull-down menu, it is possible to generate a favourite by clicking the pin symbol behind the name of one search performed previously. The favourites created will be sorted alphabetically and saved permanently. They can, thus, be selected again for reuse at any time.



Search requests can easily be removed from the list of favourites by clicking the star symbol behind the name.

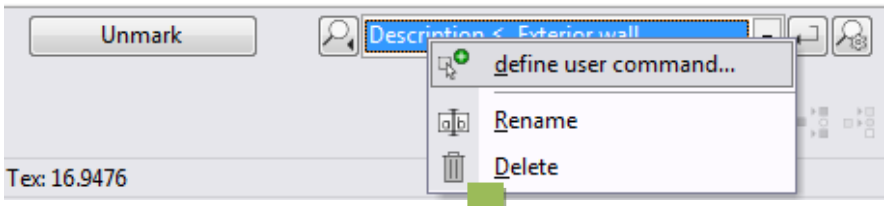


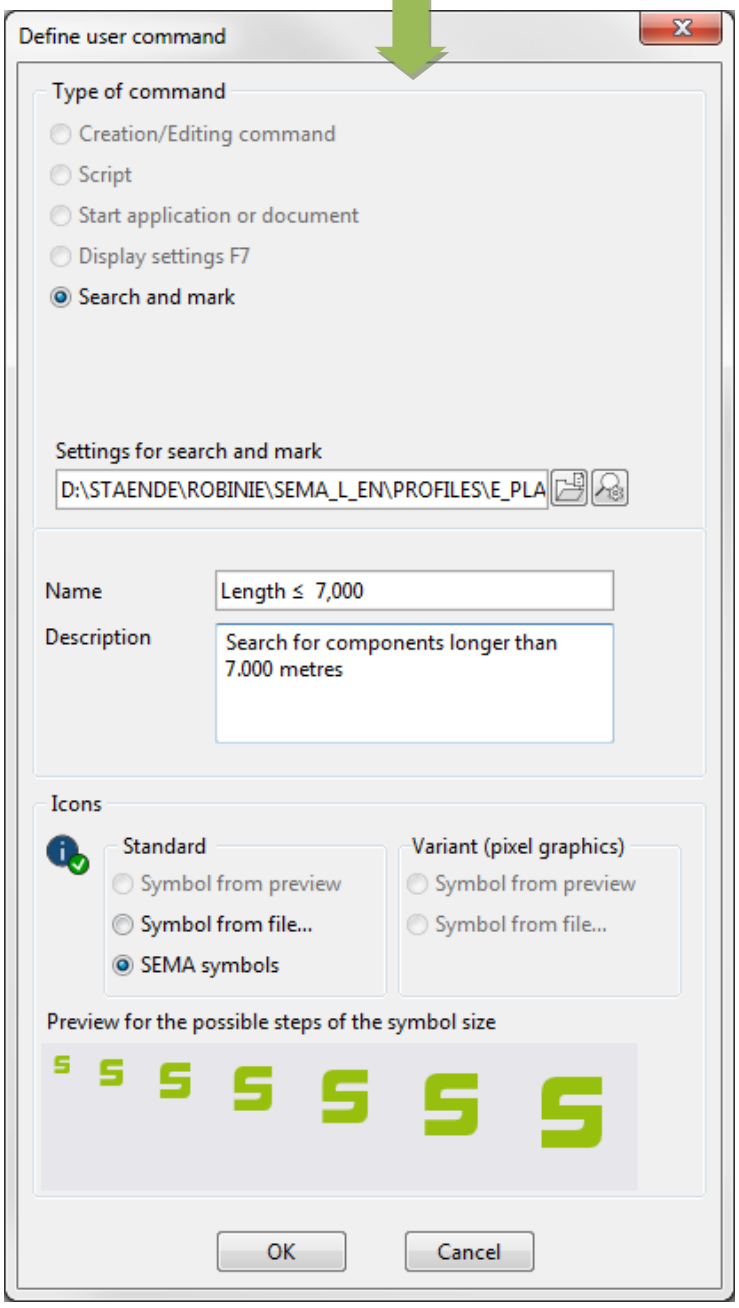
When the pull-down menu is closed, users can delete search requests via a right-click, rename the search requests or define user commands.



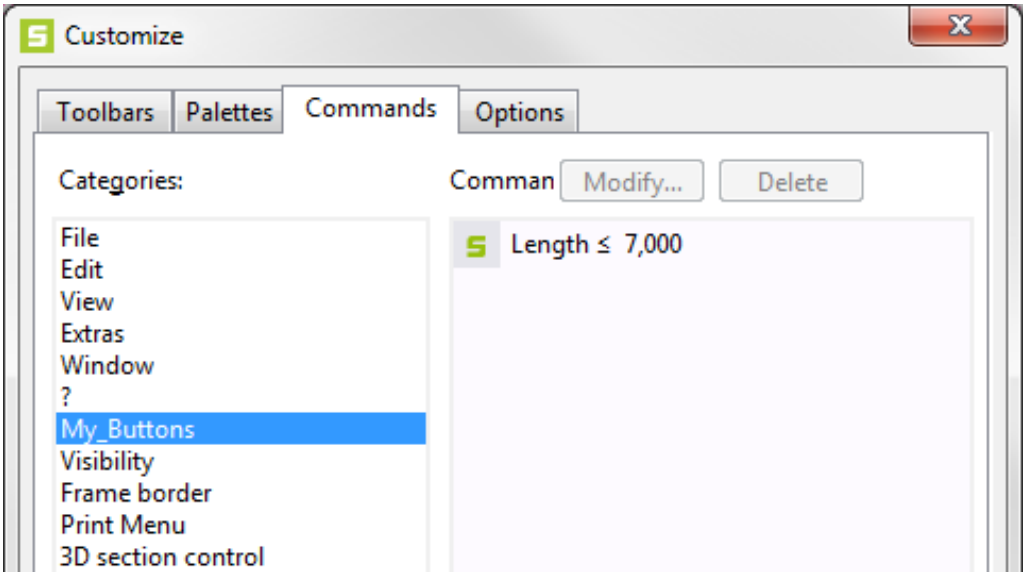
6. Search and Mark as a User Command

The usual window for the definition of user commands will open after selecting the user command. It is possible to determine a name, a description and a symbol.

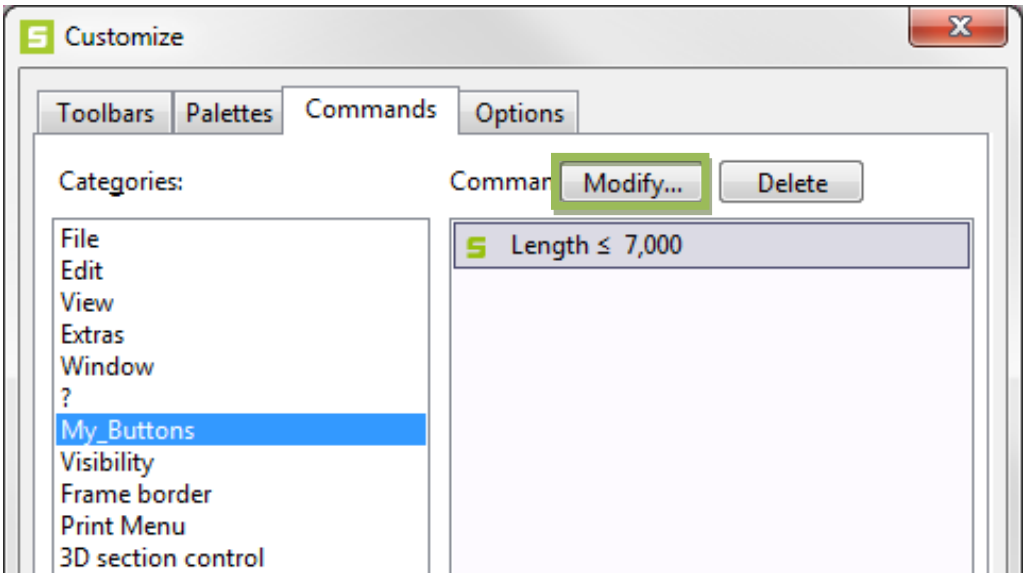




After the command has been defined correctly, it will be integrated into the "Customize menu" under the category "My_Buttons". The command can then be placed in a toolbar anywhere in the program.

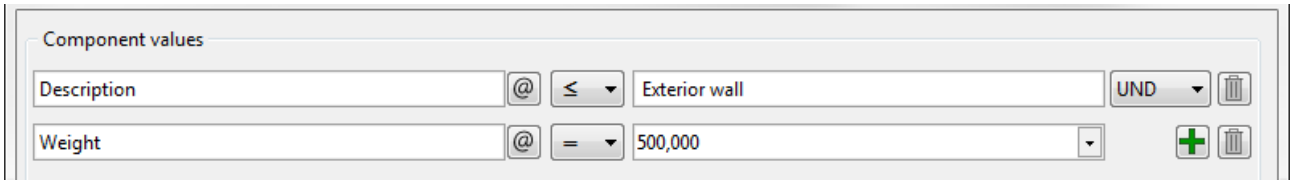


Naturally, search request commands created previously can be modified in the "Customize menu" at any time via the "Modify..." button.

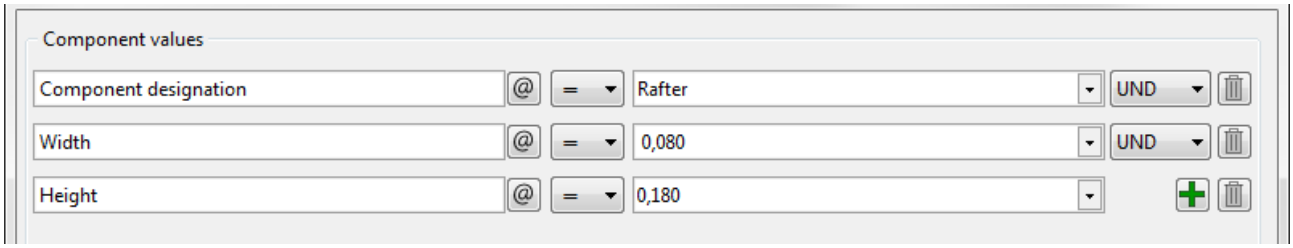


7. Other Examples

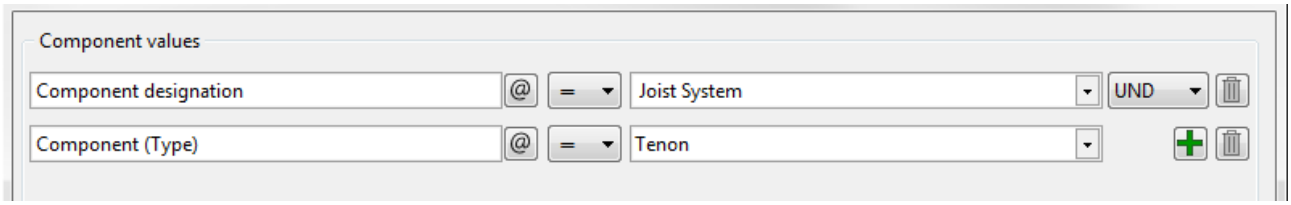
Searching for and marking of exterior walls exceeding 500kg.



Searching for and marking of rafters with a width of 8cm and a height of 18cm.



Searching for and marking of all floor beams with end type "dovetail tenon". The dovetail has been stored as a self-defined placeholder (@B-WERT41500@) here.



Self-defined placeholders can be right-clicked in every master data and then be used for the search request.