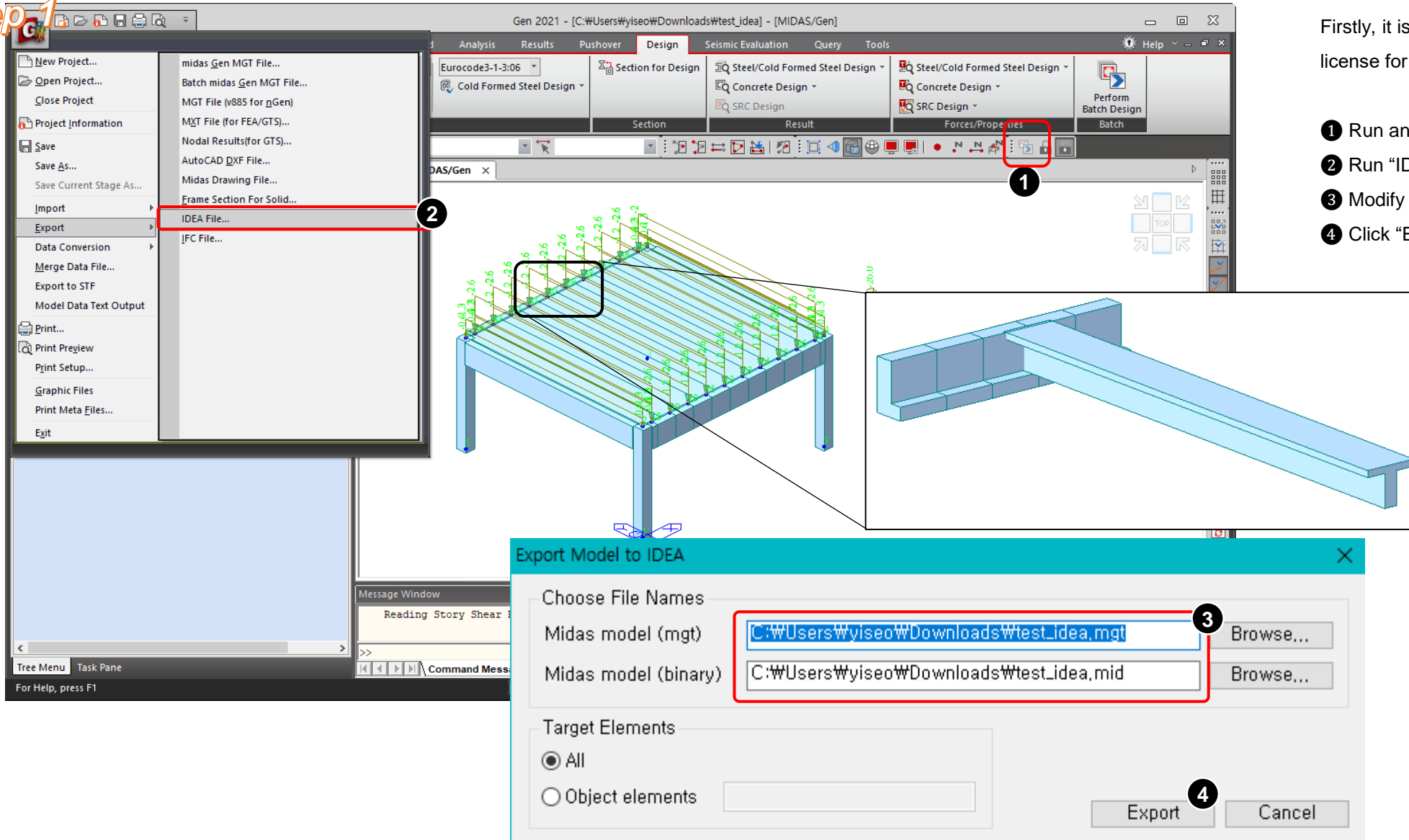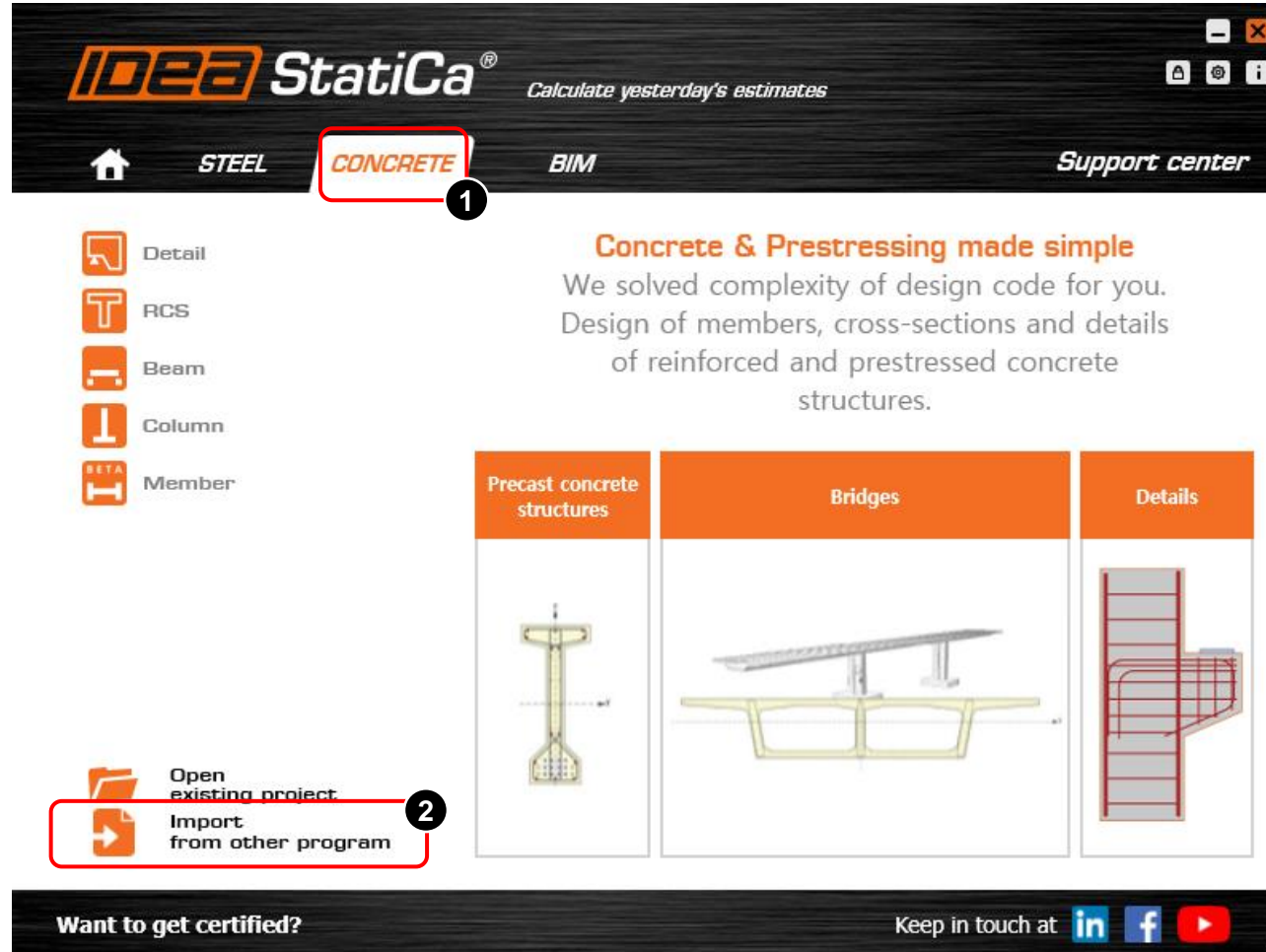# Irregular RC Design

Irregular RC Design

Firstly, it is necessary to check whether the license for "Export IDEA" is supported.

❶ Run an analysis.

❷ Run "IDA file...." in File > Export.
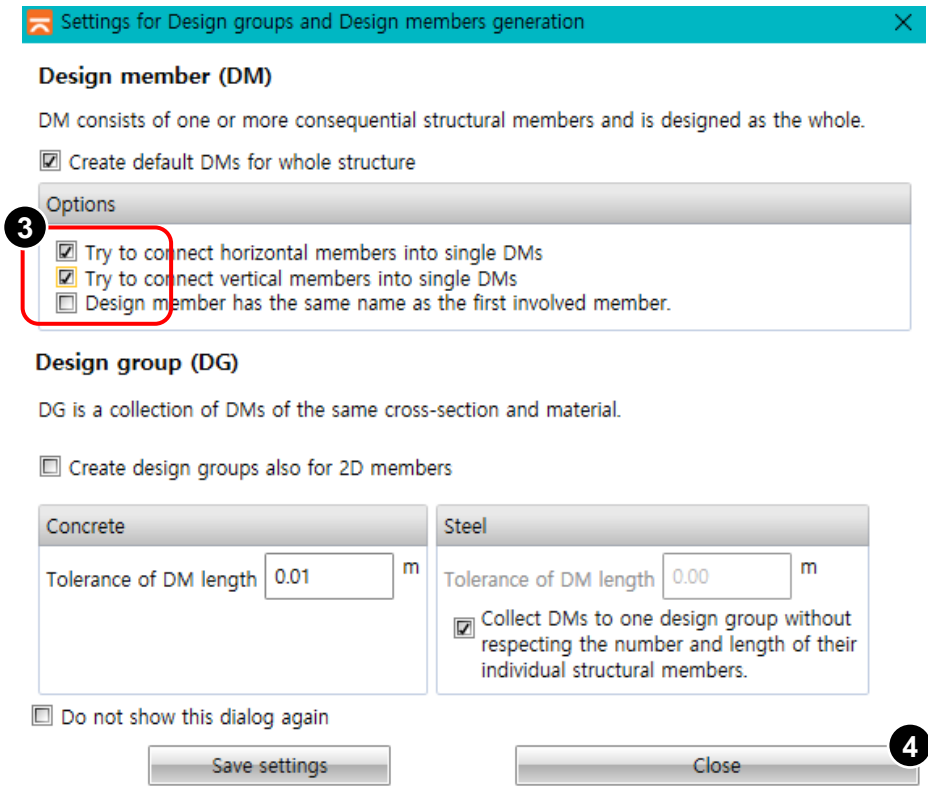
❸ Modify the model names in dialog box.

❹ Click "Export".

Step 2.
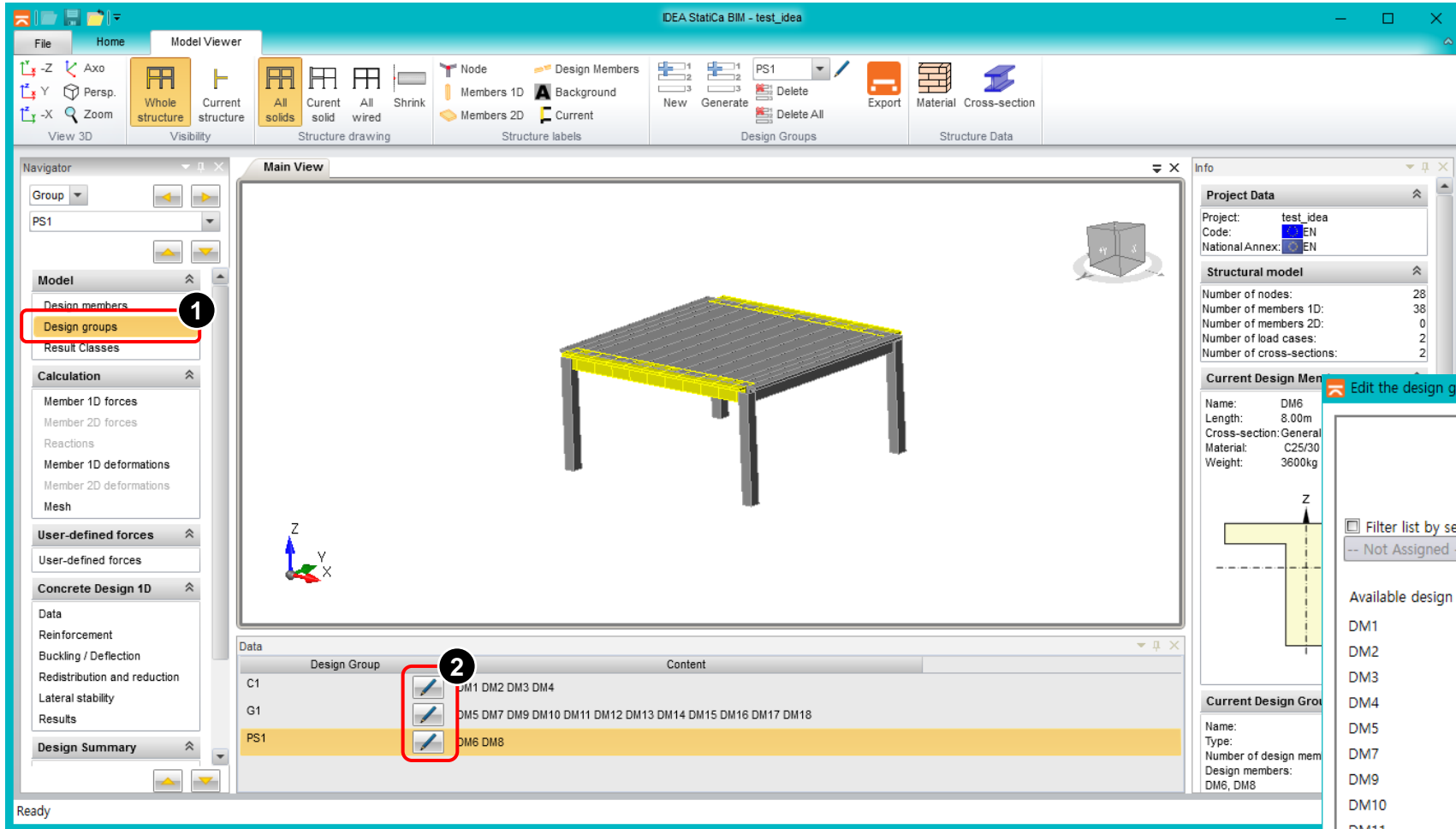

Run IDEA Statica

❶ Click "Steel" tap.

❷ Click "Import from other program".

❸ Check on the options.

❹ Click "Close".

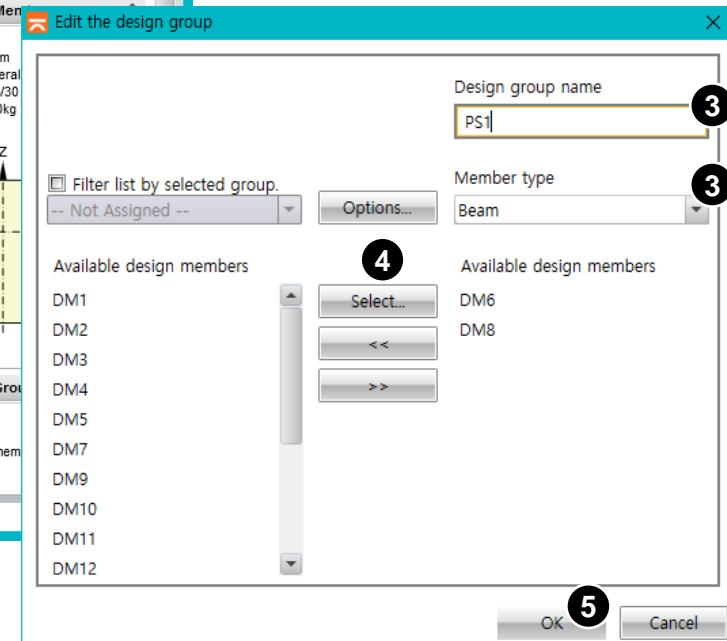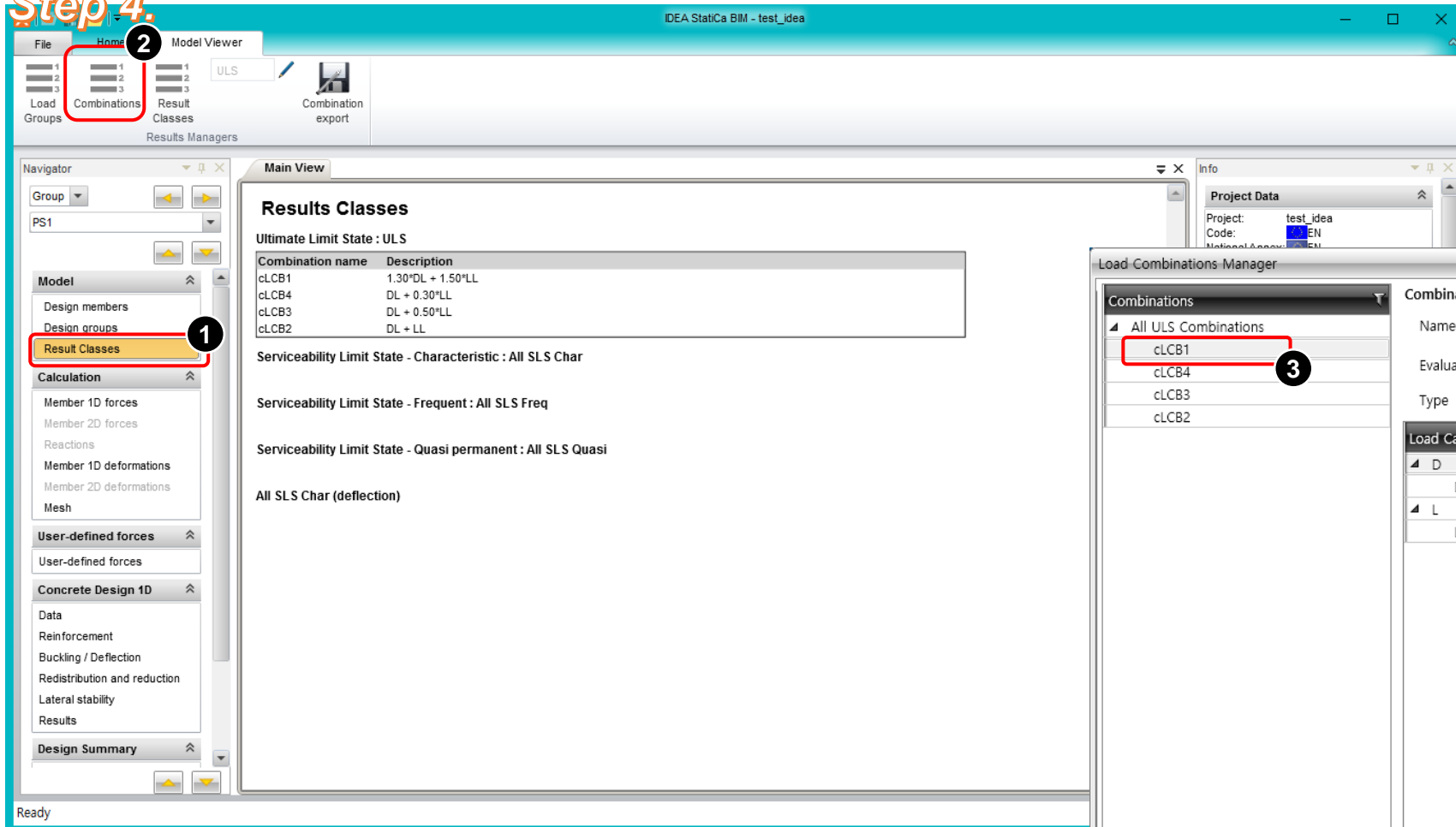# Irregular RC Design

Step 3.

❶ Click "Design Group".

❷ Click ✎ .

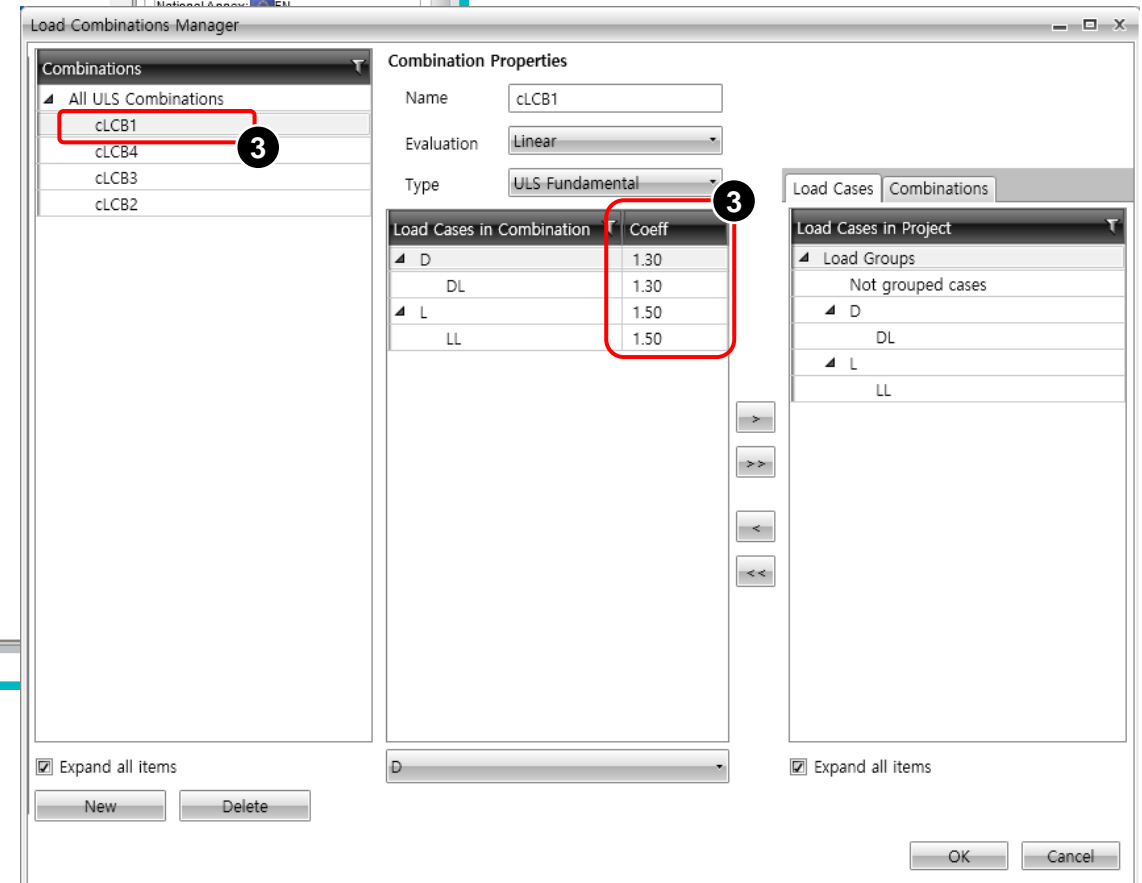❸ Modify the group name and member type.

❹ Modify the design members.

❺ Click "✎.

Irregular RC Design

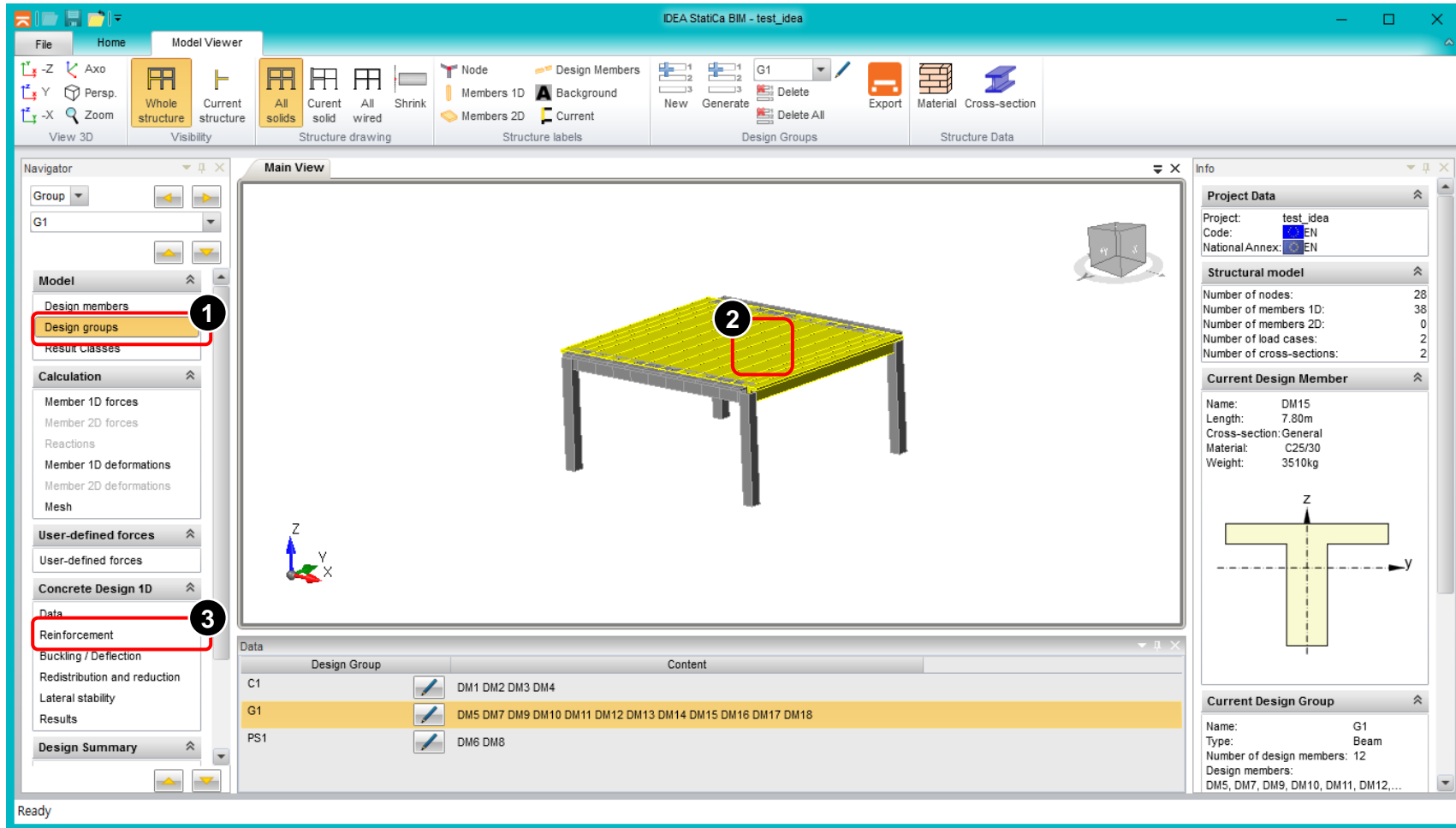If there are the load combinations generated in Gen, these combinations are automatically applied.

❶ Click "Result Classes".

❷ Click "Combinations".
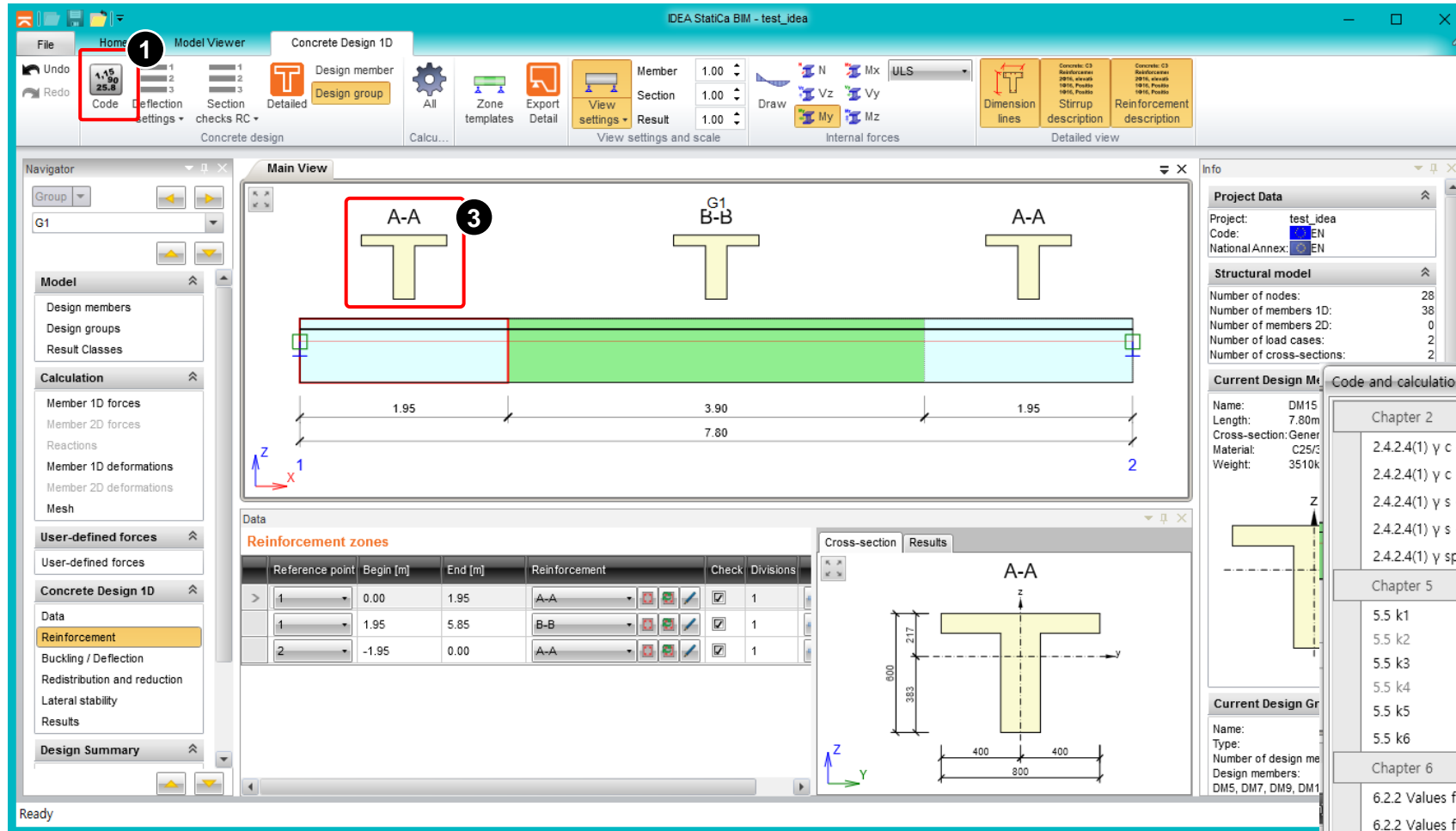
❸ Add or Modify the combinations.

Step 5.

[RC Member Design]

❶ Click "Design Group".

❷ Select the target member.

❸ Click "Reinforcement".
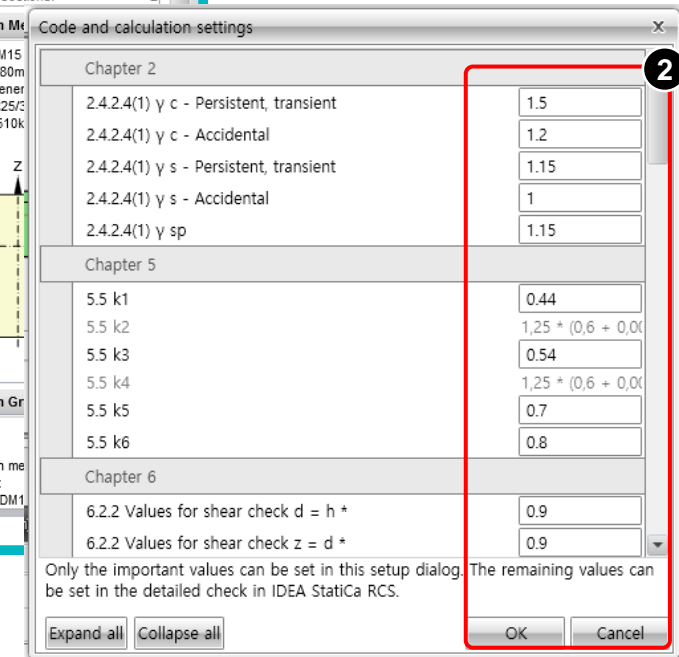
Irregular RC Design

Step 6.
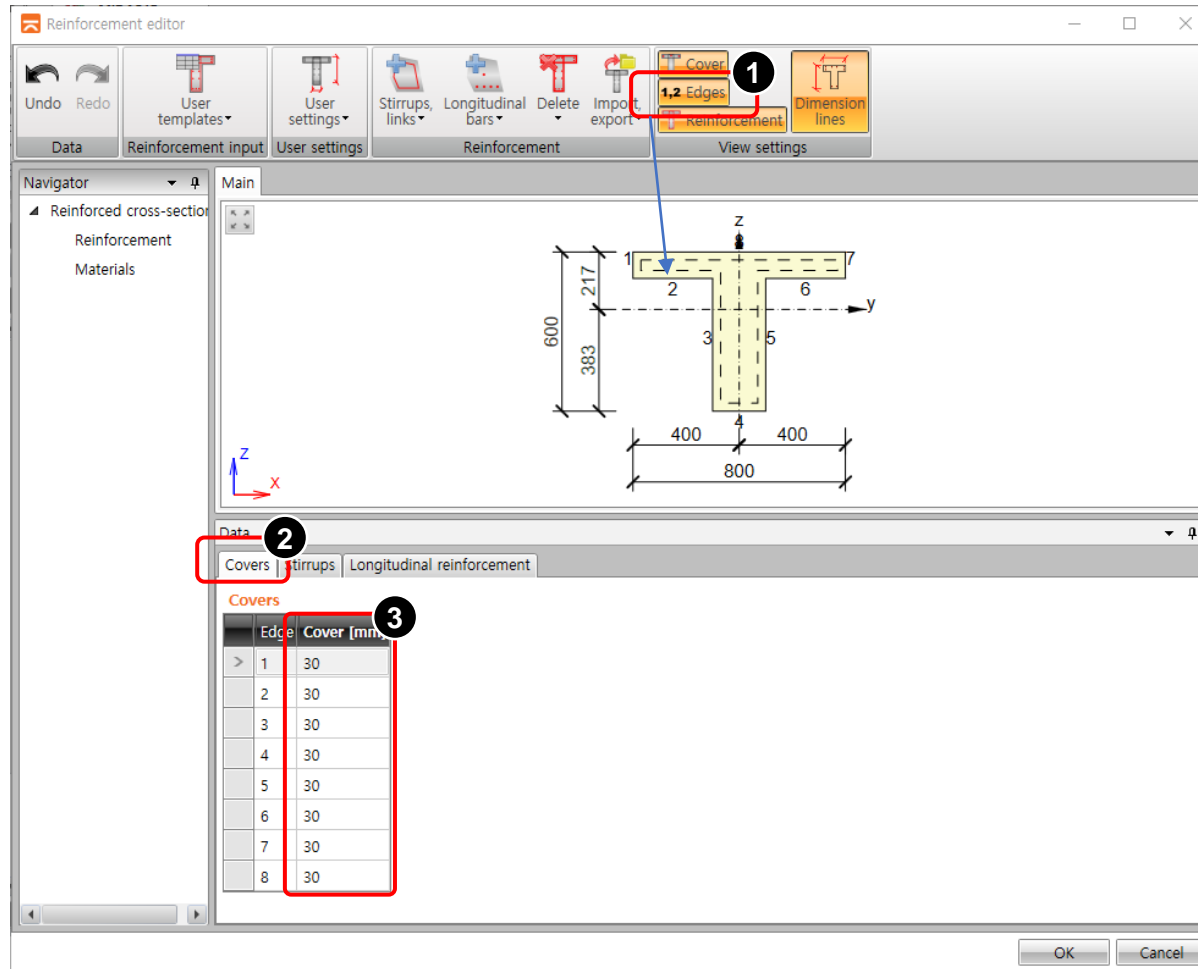

[RC Member Design]

❶ Click the target section.

❷ Modify the design factors and click "OK".

❸ Click the target section.

  * Repeat Step7~9 for the rest of the section to enter reinforcement information. .
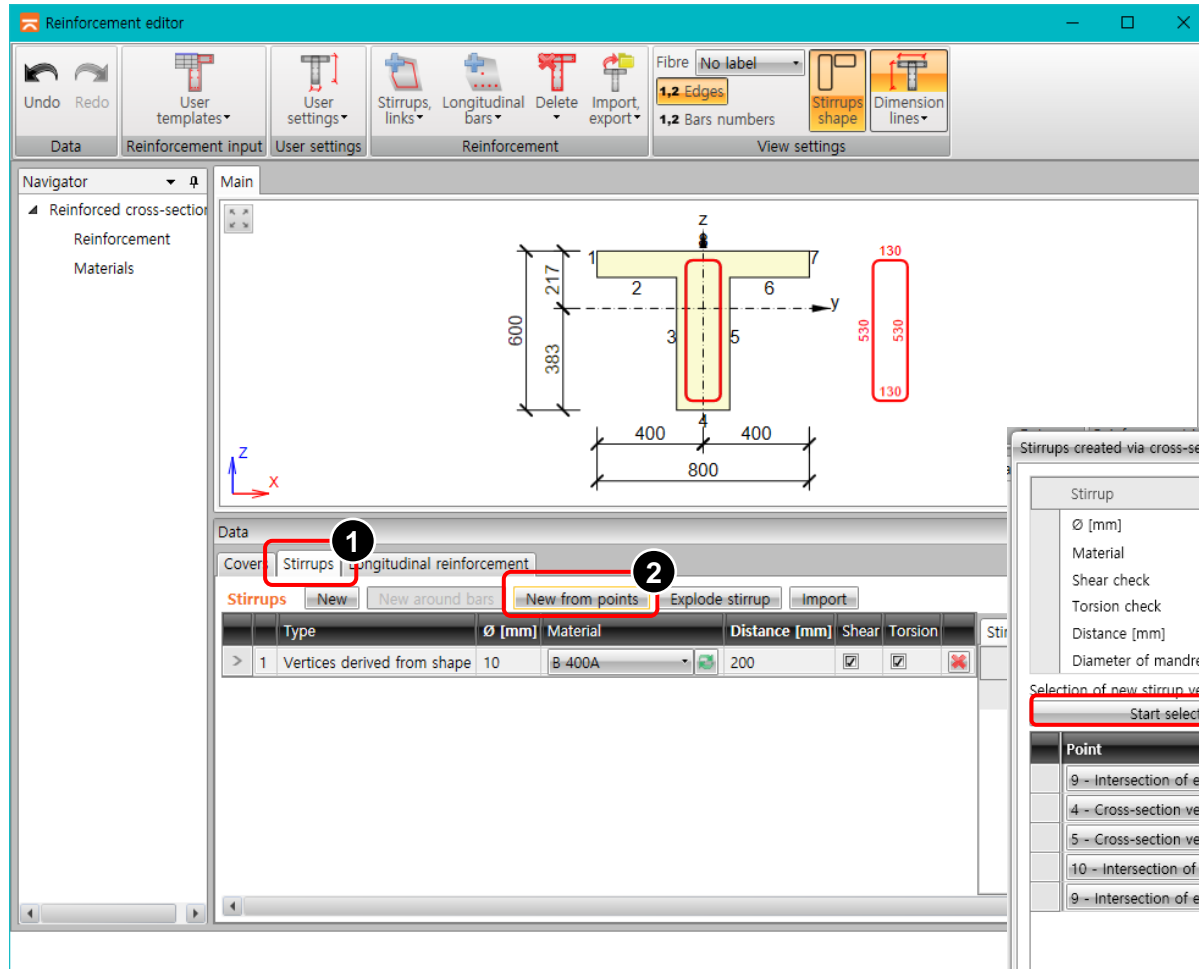
Irregular RC Design

Step 7.

[RC Member Design]

❶ Click "1.2 Edges" in View Settings.
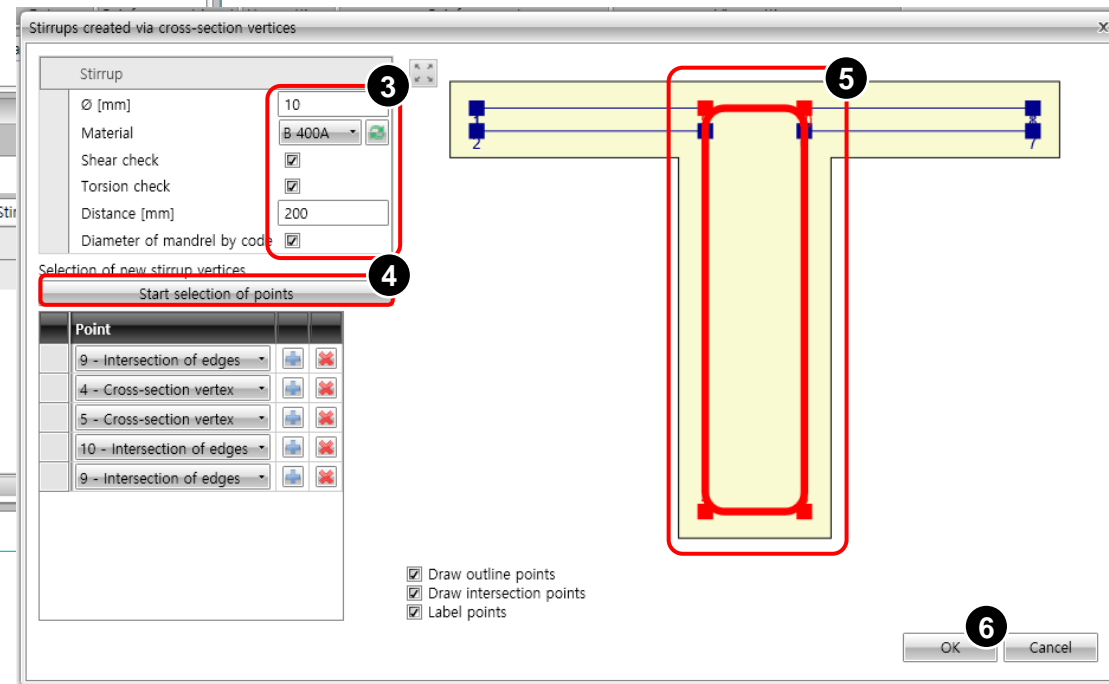
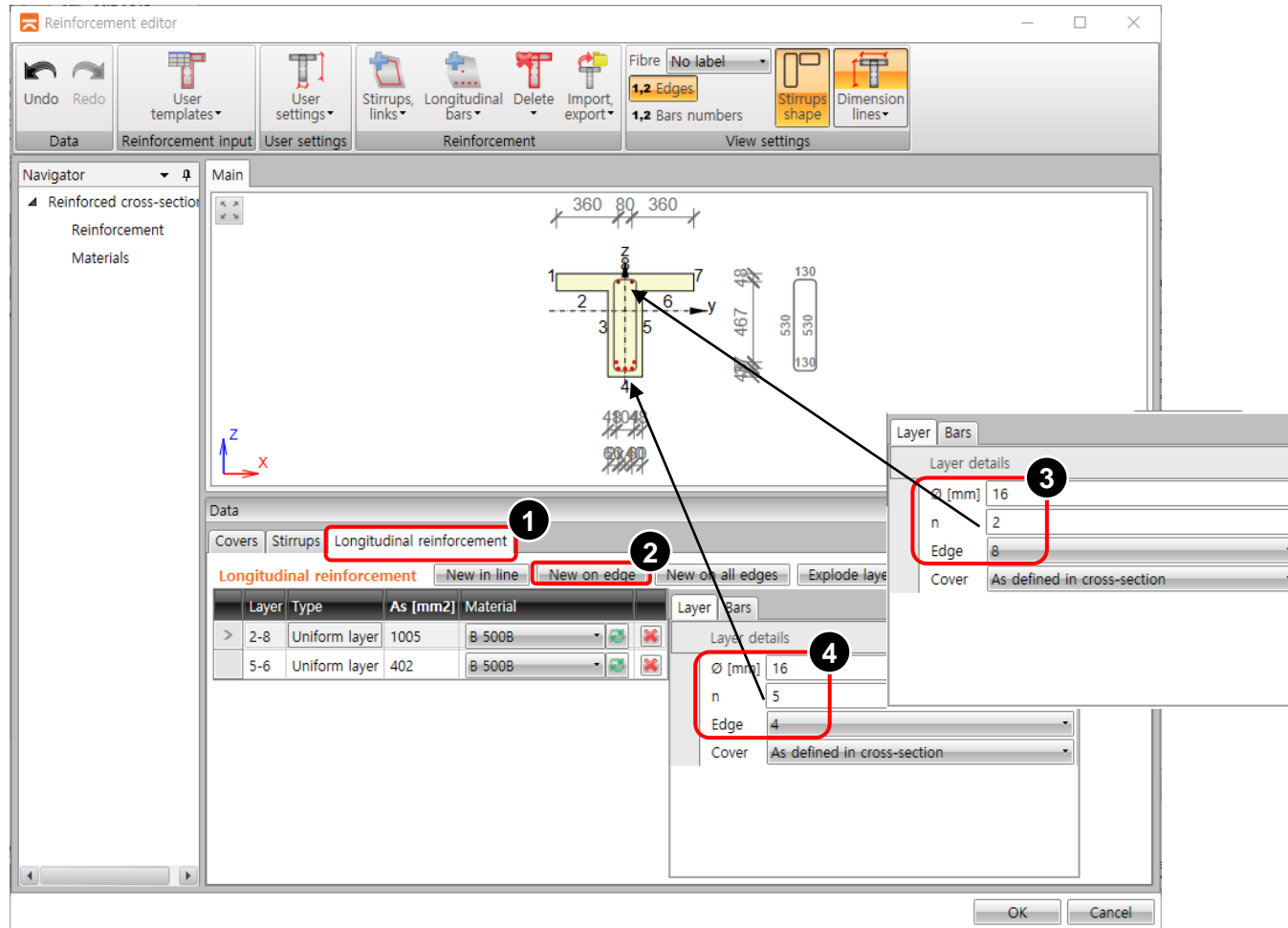❷ Click "Cover" tap.

❸ Modify the cover values in table.

Step 8.

[RC Member Design]

❶ Click "Stirrups" tap.

❷ Click "New from points" button.

❸ Modify the stirrup information.

❹ Click Modify the design members.

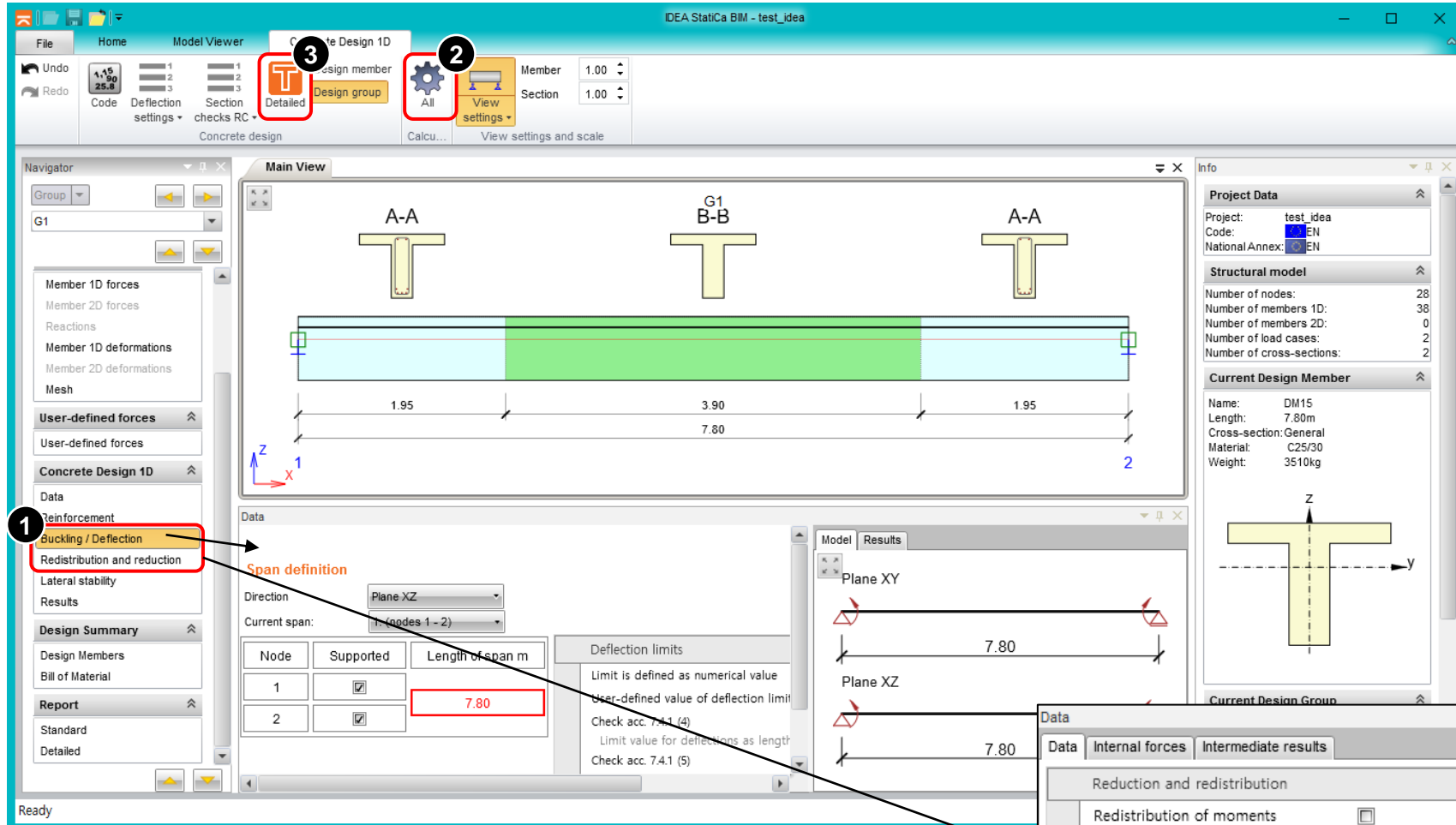❺ Click the target points in the section window.

❻ Click "OK".

Step 9.

[RC Member Design]

❶ Click "Longitudinal reinforcement" tap.

❷ Click "New on edge" button.

❸ Modify the size and number of rebar and edge number for the top position.

❹ Click "New on edge" button..

❺ Modify the size and number of rebar and edge number for the bottom position.

❻ Click "OK".

Irregular RC Design

Step 10.

[RC Member Design]

❶ Define the condition of "Buckling/Defection" and "Redistribution and reduction".

❷ Click "All" in Calculations.

❸ Click "Detailed".

[RC Member Design]

❶ Click "Result".

❷ Select the result tap for each items.

❸ Check the design result.

Irregular RC Design

[RC Member Design]

❶ Click "Design Members".

❷ Select the reporting type.

❸ Select the design content.

❹ Check the design result in the report.

❺ Export the report to the document of other formats.

Thank you.