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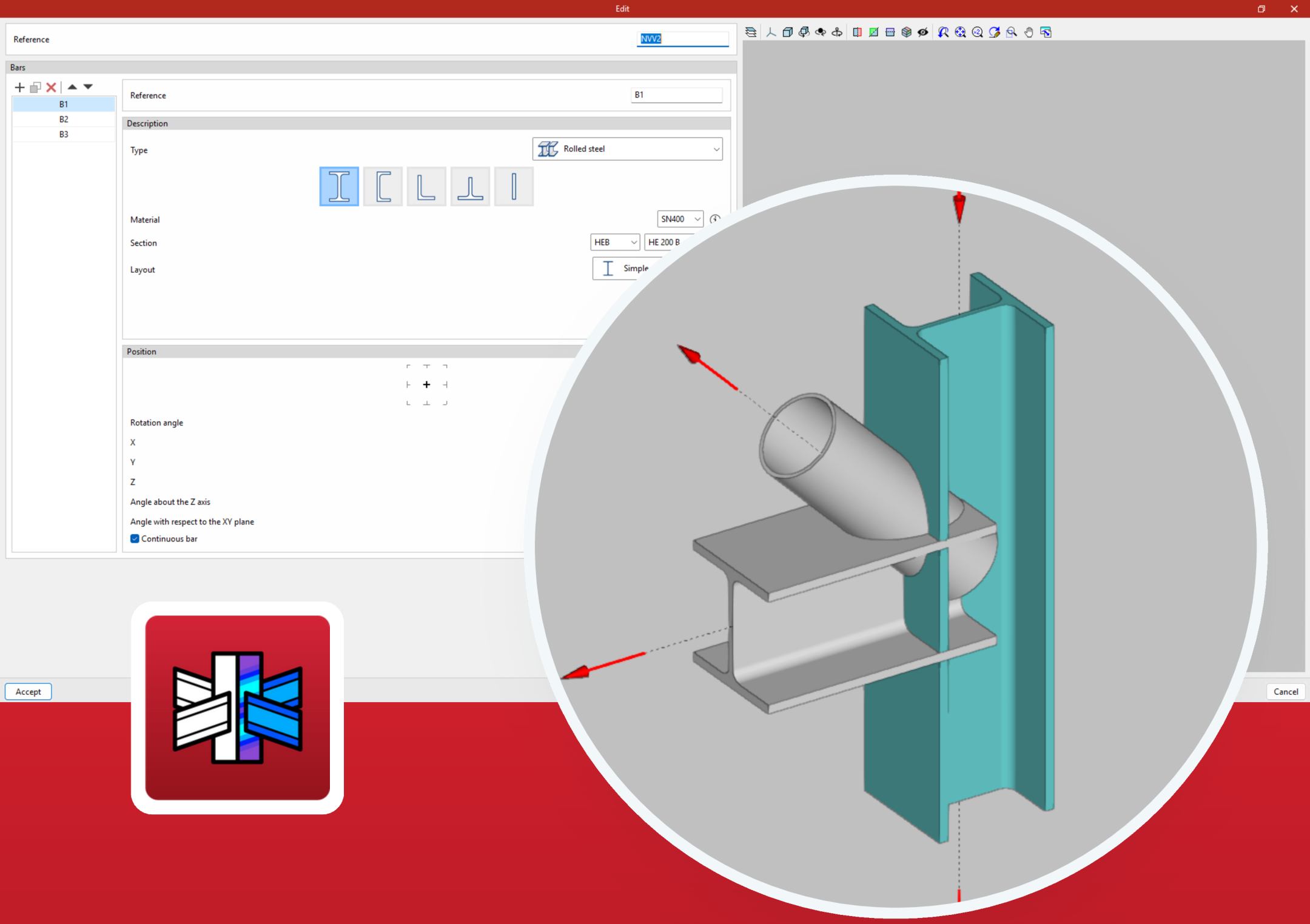
6 steps for designing a **secure connection**



1 | Node

You will need a node, where several bars of a steel or timber structure will be joined together.

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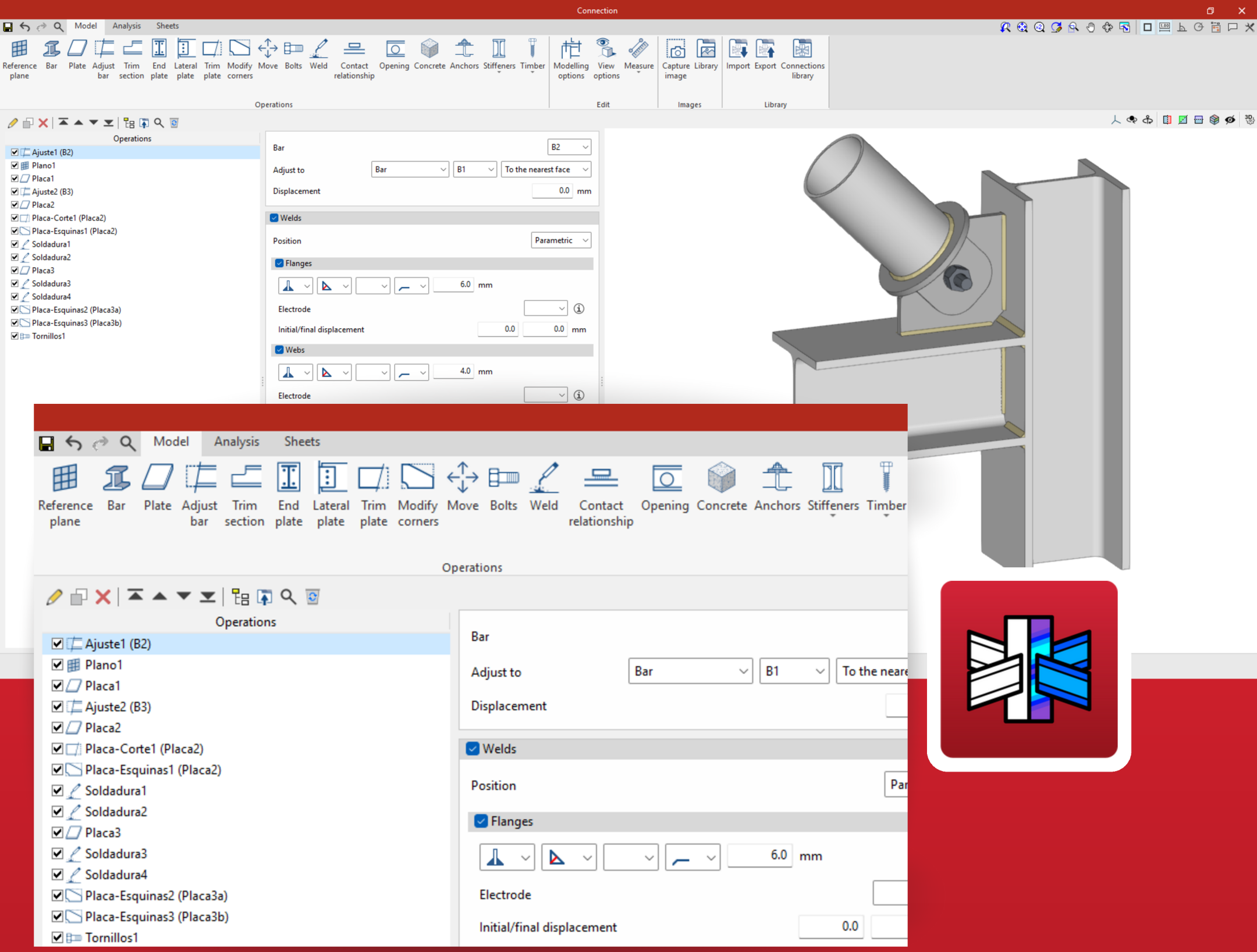

2 | Modelling

You can join the bars of this node with different operations, using plates, welds, cuts, openings, bolts and other elements.

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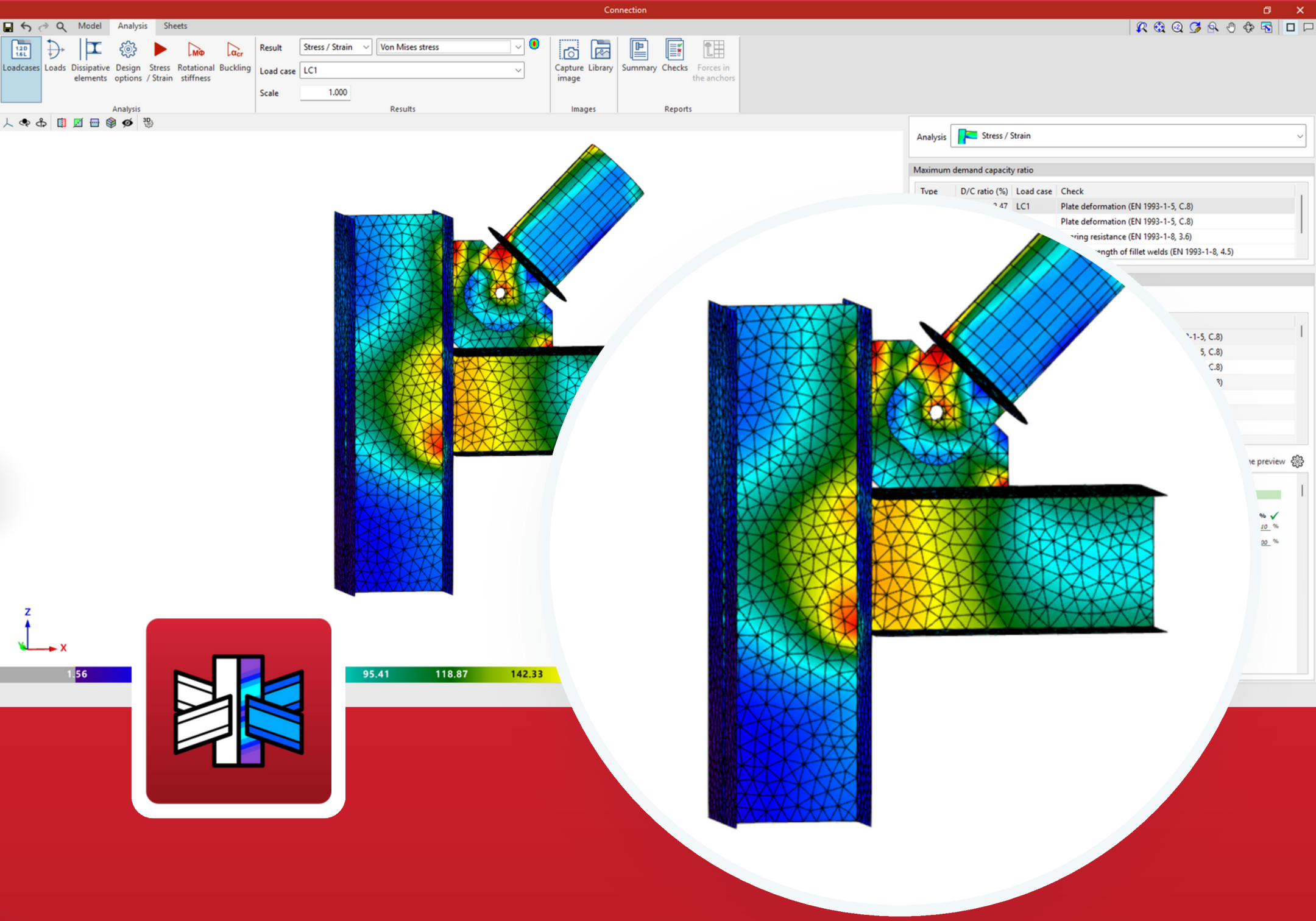

3 | Structural analysis

After applying forces and load cases, you can analyse the connection, obtaining different results such as the stresses and deformations produced in the connection.

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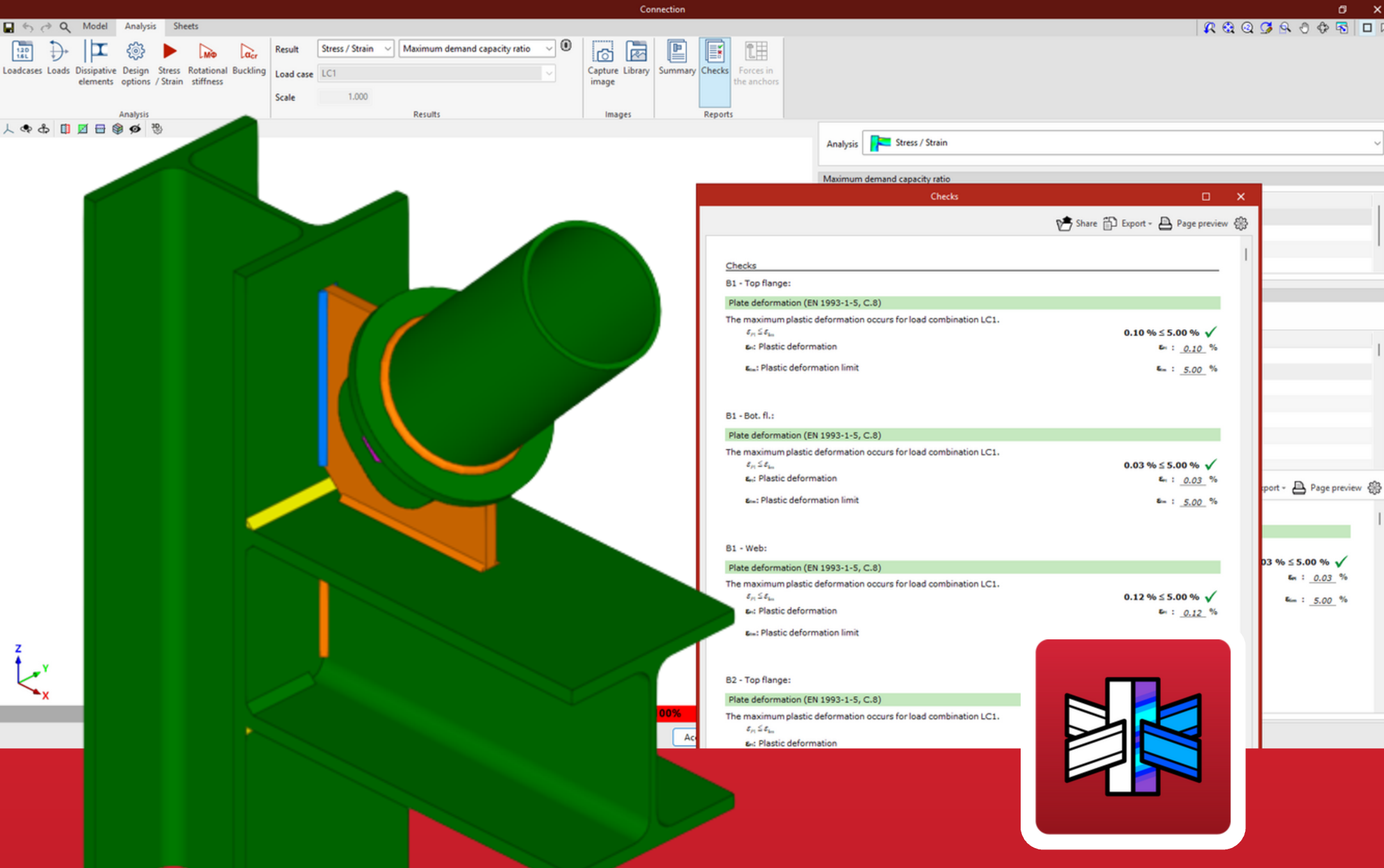

4 | Code checking

You can compare the values obtained in the previous phases with the limits established by the codes. If everything is within the limits, your connection is secure!

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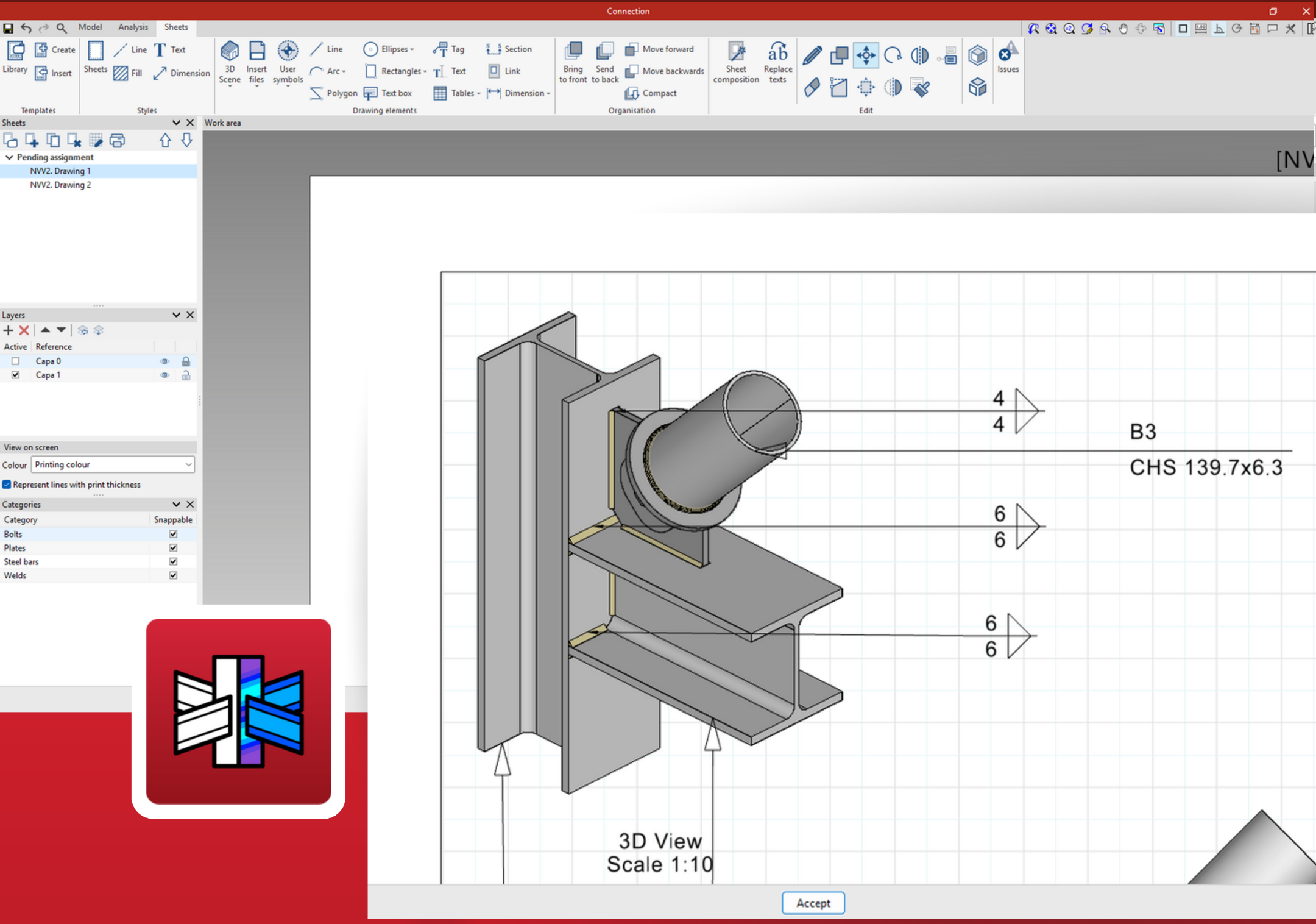

5 | Detailing drawings

Once the connection has been checked, you can prepare the connection's drawings, using both the model itself and the technical information associated with each of its elements.

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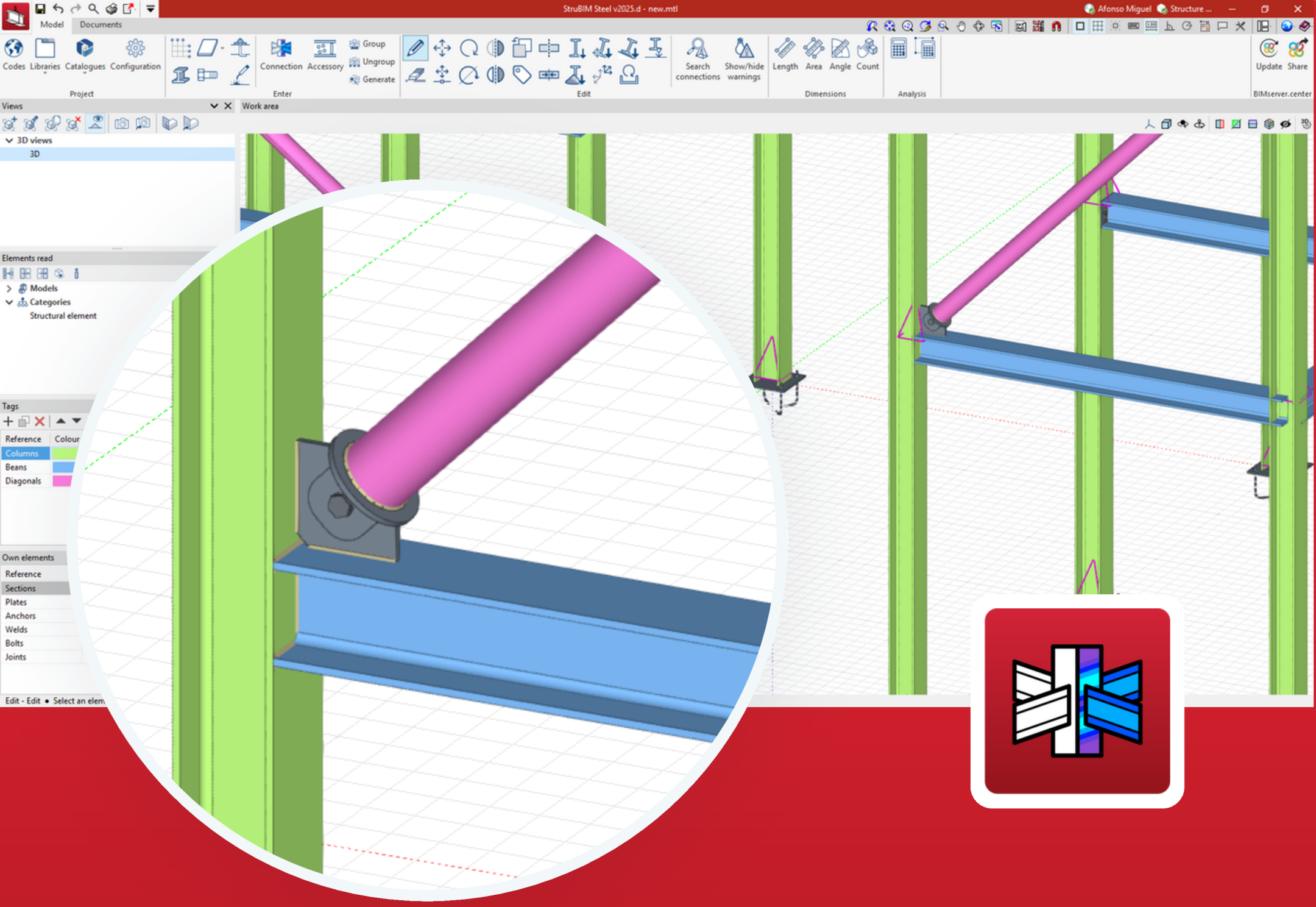

6 | Integrating it into the final model

Incorporate the connection into the final structural model. Repeat this process for all the connections...and your model will be fully detailed and ready to manufacture!

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Find out **more** at

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